

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
 Data File : BF112295.D
 Acq On : 29 Jan 2019 15:16
 Operator : JU/SJ
 Sample : K1008-03MSD 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Quant Time: Jan 30 00:39:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	178637	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	671515	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	309415	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	516116	20.00	ng	0.00
76) Chrysene-d12	14.00	240	390654	20.00	ng	0.00
87) Perylene-d12	15.47	264	414625	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	740492	88.05	ng	0.00
7) Phenol-d6	6.49	99	907132	77.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	561865	48.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	233528	64.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1085218	49.61	ng	-0.01
79) Terphenyl-d14	12.94	244	878626	42.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	85810	25.613	ng	96
3) Pyridine	3.38	79	234834	27.555	ng	99
4) n-Nitrosodimethylamine	3.31	42	111520	31.147	ng	98
6) Aniline	6.50	93	189751	13.649	ng	# 53
8) 2-Chlorophenol	6.63	128	282490	24.969	ng	98
9) Benzaldehyde	6.39	77	197185	32.282	ng	99
10) Phenol	6.50	94	327799	25.567	ng	92
11) bis(2-Chloroethyl)ether	6.57	93	242241	23.999	ng	98
12) 1,3-Dichlorobenzene	6.78	146	309534	23.492	ng	98
13) 1,4-Dichlorobenzene	6.86	146	310379	22.889	ng	99
14) 1,2-Dichlorobenzene	7.01	146	298322	23.497	ng	97
15) Benzyl Alcohol	6.98	79	232504	23.601	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	310740	23.976	ng	58
17) 2-Methylphenol	7.10	107	212756	23.722	ng	93
18) Hexachloroethane	7.35	117	111039	23.319	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	185310	22.996	ng	99
20) 3+4-Methylphenols	7.26	107	283620	24.730	ng	# 65
22) Acetophenone	7.25	105	384454	23.512	ng	# 93
24) Nitrobenzene	7.42	77	270126	23.208	ng	99
25) Isophorone	7.66	82	484110	26.479	ng	98
26) 2-Nitrophenol	7.74	139	147382	23.694	ng	97
27) 2,4-Dimethylphenol	7.78	122	232000	27.071	ng	96
28) bis(2-Chloroethoxy)methane	7.86	93	310533	24.944	ng	98
29) 2,4-Dichlorophenol	7.99	162	229251	23.904	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	258074	23.411	ng	99
31) Naphthalene	8.15	128	813541	25.906	ng	98
33) 4-Chloroaniline	8.19	127	147816	10.810	ng	98
34) Hexachlorobutadiene	8.26	225	140972	21.792	ng	98
35) Caprolactam	8.55	113	72877	21.541	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	225579	22.219	ng	99
37) 2-Methylnaphthalene	8.83	142	565012	26.282	ng	98
38) 1-Methylnaphthalene	8.93	142	525045	25.481	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	244978	24.114	ng	99
41) Hexachlorocyclopentadiene	8.99	237	41116	18.914	ng	96

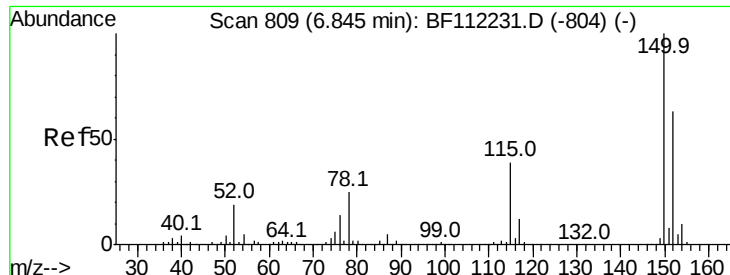
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.12	196	155642	24.854	nq	98
44) 2,4,5-Trichlorophenol	9.17	196	158069	24.152	nq	94
46) 1,1'-Biphenyl	9.30	154	661751	24.464	nq	98
47) 2-Chloronaphthalene	9.32	162	491597	23.436	nq	97
48) 2-Nitroaniline	9.42	65	132829	23.233	nq	99
49) Acenaphthylene	9.74	152	790024	25.696	nq	98
50) Dimethylphthalate	9.59	163	637101	26.502	nq	99
51) 2,6-Dinitrotoluene	9.66	165	124811	23.182	nq #	84
52) Acenaphthene	9.91	154	446014	24.284	nq	100
53) 3-Nitroaniline	9.83	138	94490	16.199	nq	96
54) 2,4-Dinitrophenol	9.95	184	24191	14.000	nq	91
55) Dibenzofuran	10.08	168	672215	23.950	nq	96
56) 4-Nitrophenol	10.01	139	125284	40.626	nq	91
57) 2,4-Dinitrotoluene	10.07	165	158960	23.191	nq	96
58) Fluorene	10.42	166	551941	26.279	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	115250	23.302	nq #	96
60) Diethylphthalate	10.29	149	565891	23.720	nq	100
61) 4-Chlorophenyl-phenylether	10.41	204	254295	22.258	nq	92
62) 4-Nitroaniline	10.44	138	113003	19.751	nq	98
63) Azobenzene	10.57	77	464980	22.161	nq	94
65) 4,6-Dinitro-2-methylphenol	10.48	198	35712	12.341	nq	84
66) n-Nitrosodiphenylamine	10.53	169	464791	26.720	nq	99
67) 4-Bromophenyl-phenylether	10.90	248	147826	24.352	nq	94
68) Hexachlorobenzene	10.98	284	151996	23.339	nq	97
69) Atrazine	11.06	200	144005	25.657	nq	97
70) Pentachlorophenol	11.18	266	96270	37.990	nq	98
71) Phenanthrene	11.39	178	913256	34.036	nq	98
72) Anthracene	11.44	178	763625	28.570	nq	98
73) Carbazole	11.59	167	603506	22.890	nq	98
74) Di-n-butylphthalate	11.92	149	793165	24.237	nq	97
75) Fluoranthene	12.58	202	907031	31.517	nq	98
77) Benzidine	12.70	184	319916	29.754	nq	97
78) Pyrene	12.81	202	941611	34.814	nq	98
80) Butylbenzylphthalate	13.42	149	288573	22.053	nq	99
81) Benzo(a)anthracene	13.99	228	707095	30.791	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	98351	11.444	nq	94
83) Chrysene	14.03	228	675940	30.835	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	399971	21.533	nq #	97
85) Di-n-octyl phthalate	14.58	149	676467	23.671	nq	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	610254	35.133	nq	97
88) Benzo(b)fluoranthene	15.04	252	713513	28.775	nq	99
89) Benzo(k)fluoranthene	15.07	252	657922	27.700	nq	99
90) Benzo(a)pyrene	15.41	252	703494	31.530	nq	98
91) Dibenzo(a,h)anthracene	16.96	278	473074	26.308	nq	99
92) Benzo(g,h,i)perylene	17.40	276	481450	28.379	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

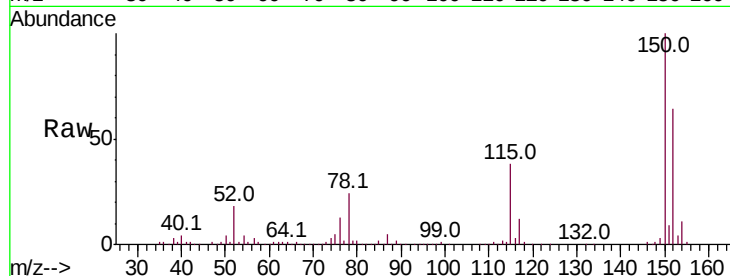


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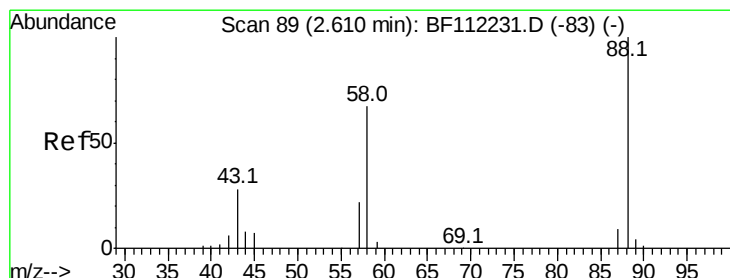
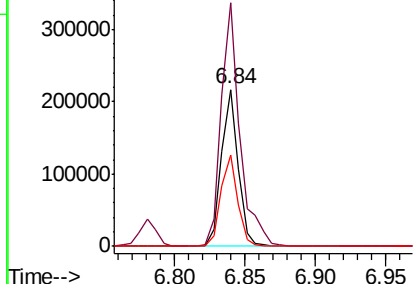
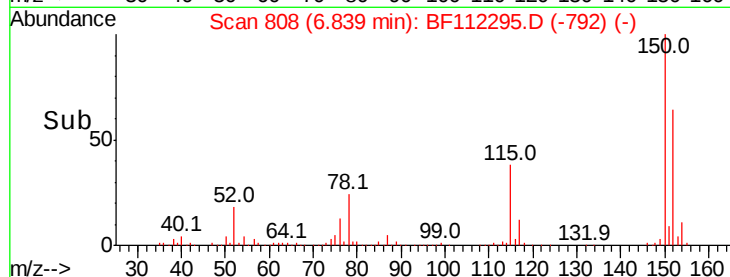
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:152 Resp: 178637
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 58.4 45.5 68.3



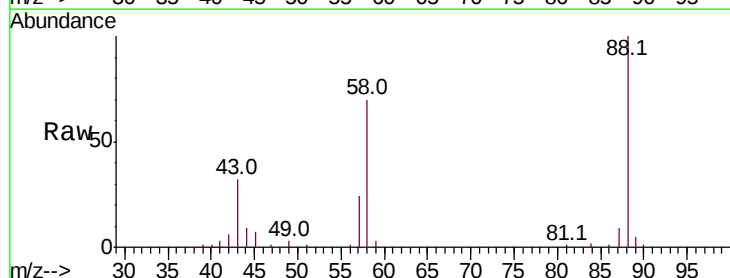
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



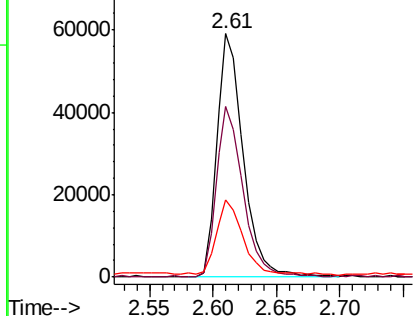
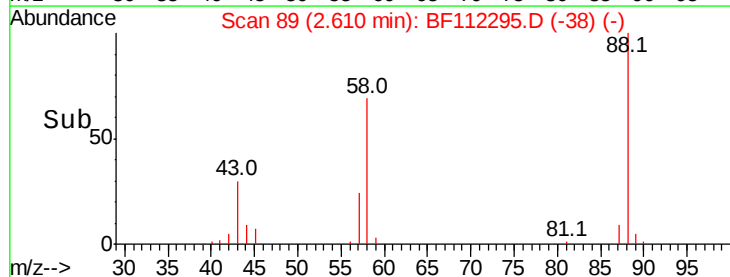
#2

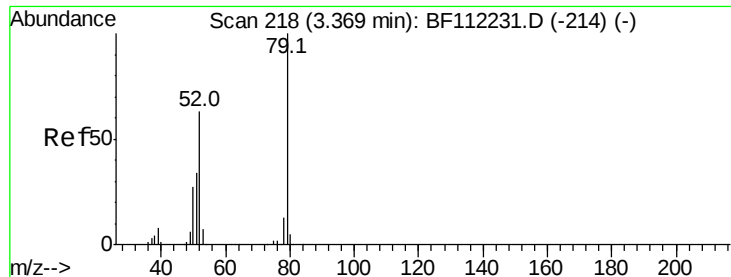
1,4-Dioxane
Concen: 25.613 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.00 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 88 Resp: 85810
Ion Ratio Lower Upper
88 100
58 70.5 57.4 86.2
43 32.3 22.2 33.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 27.555 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

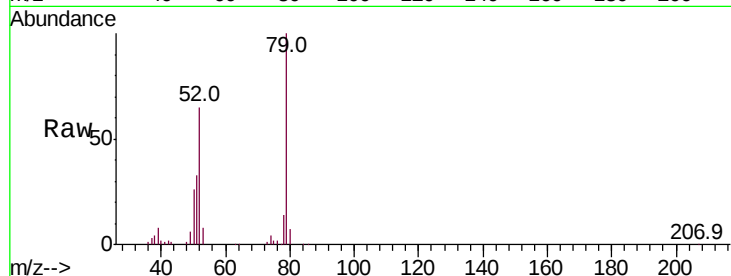
Tot Ion: 79 Resp: 234834

Ion Ratio Lower Upper

79 100

52 65.0 52.4 78.6

51 32.8 26.1 39.1

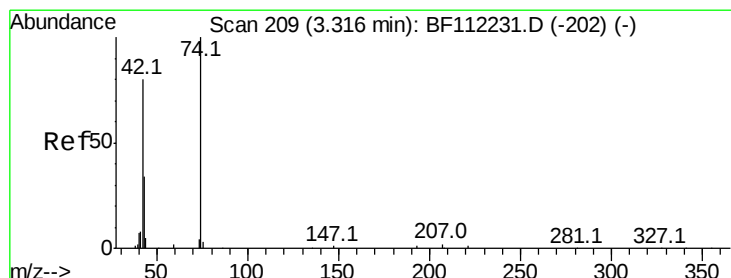
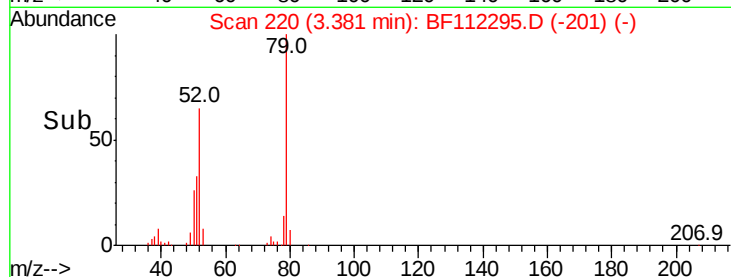
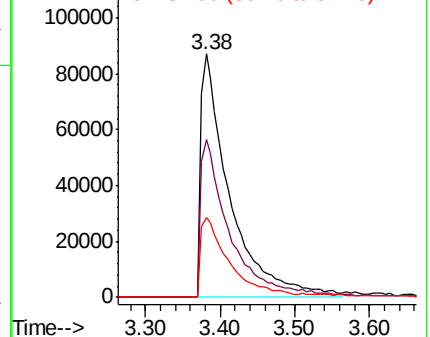


Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 31.147 ng

RT: 3.31 min Scan# 208

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

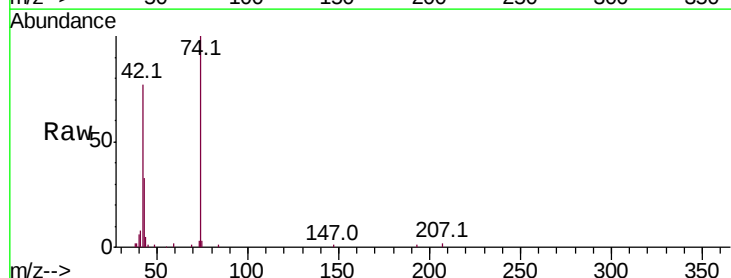
Tgt Ion: 42 Resp: 111520

Ion Ratio Lower Upper

42 100

74 129.2 105.6 158.4

44 6.3 5.4 8.2

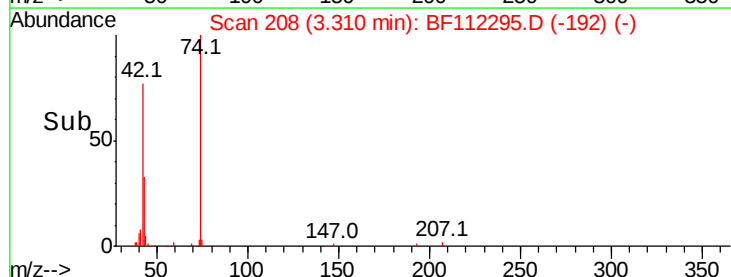
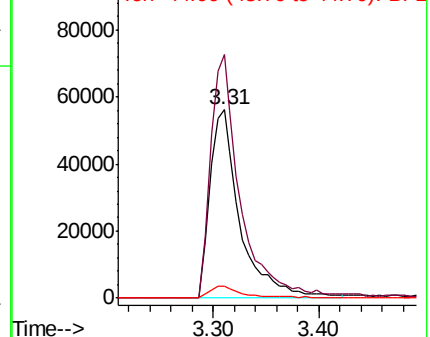


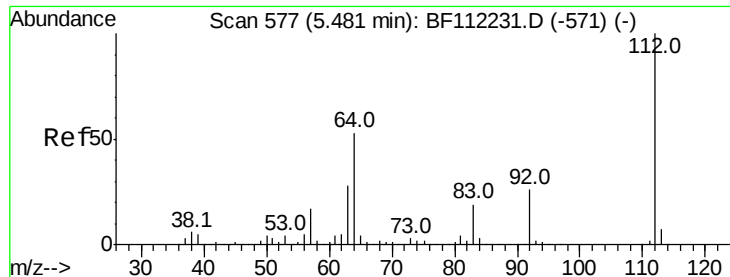
Abundance

Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 88.047 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

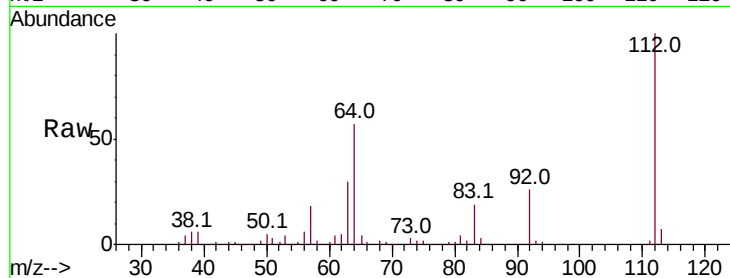
Tot Ion:112 Resp: 740492

Ion Ratio Lower Upper

112 100

64 56.7 45.7 68.5

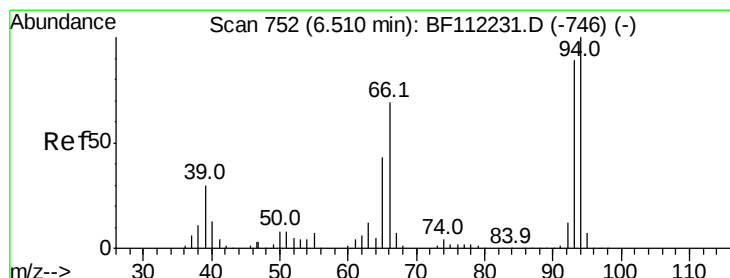
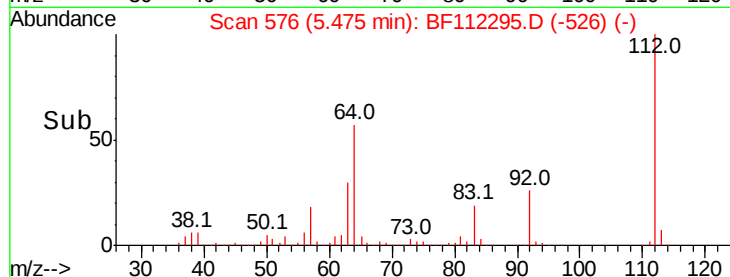
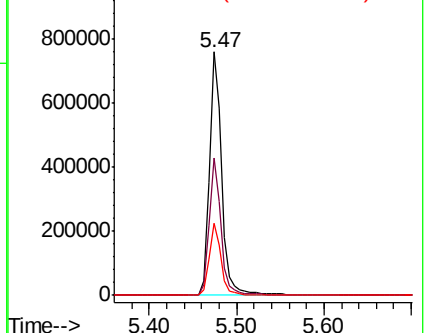
63 29.5 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 13.649 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

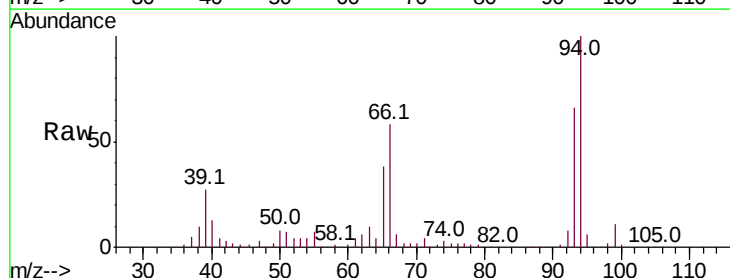
Tgt Ion: 93 Resp: 189751

Ion Ratio Lower Upper

93 100

66 88.1 43.4 65.2#

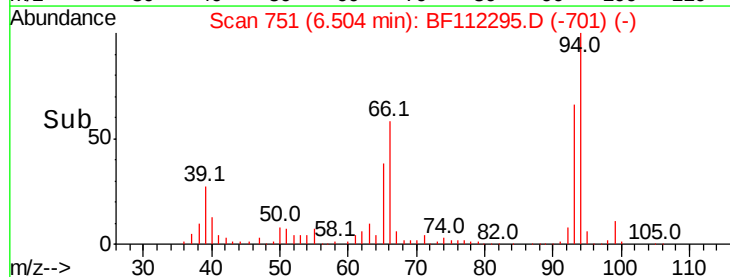
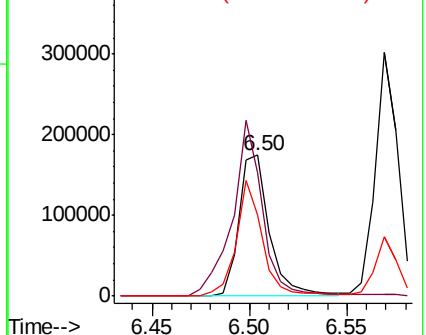
65 57.9 25.3 37.9#

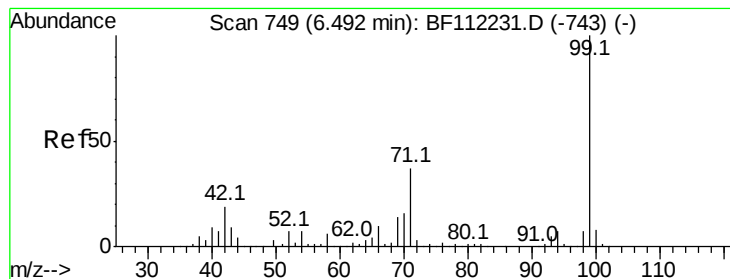


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.623 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

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ClientSampleId :

HD-01-012819MSD

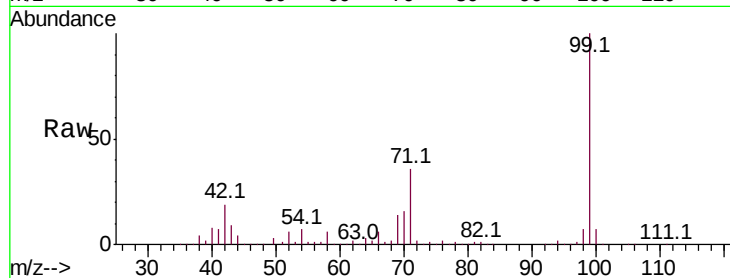
Tot Ion: 99 Resp: 907132

Ion Ratio Lower Upper

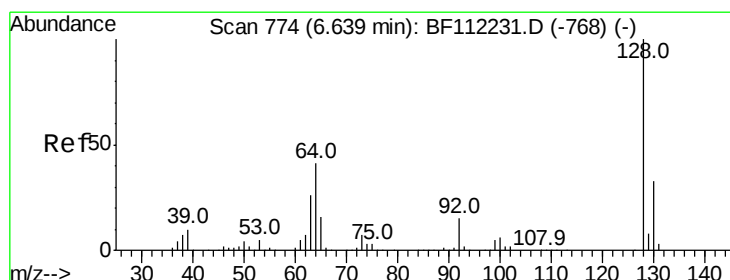
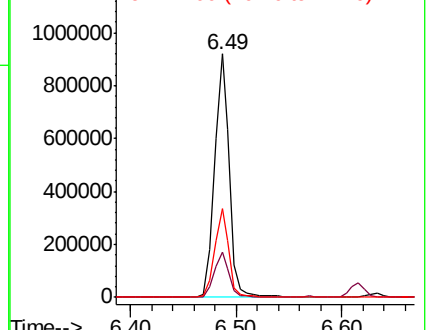
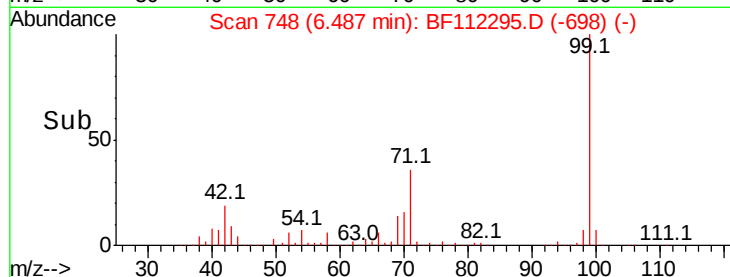
99 100

42 18.5 15.1 22.7

71 36.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 24.969 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

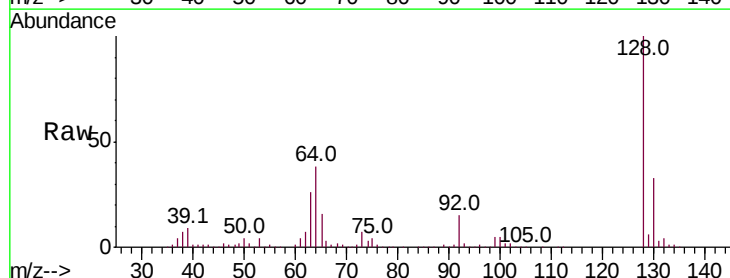
Tgt Ion: 128 Resp: 282490

Ion Ratio Lower Upper

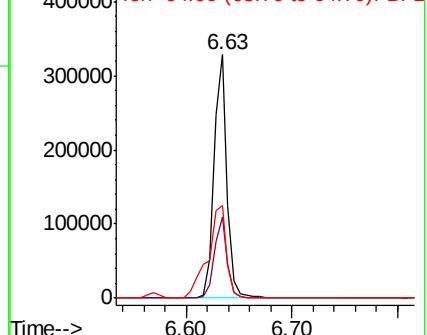
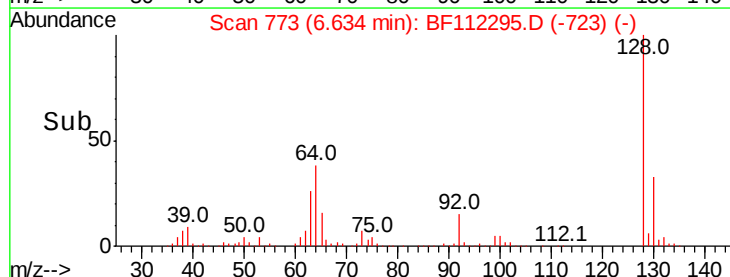
128 100

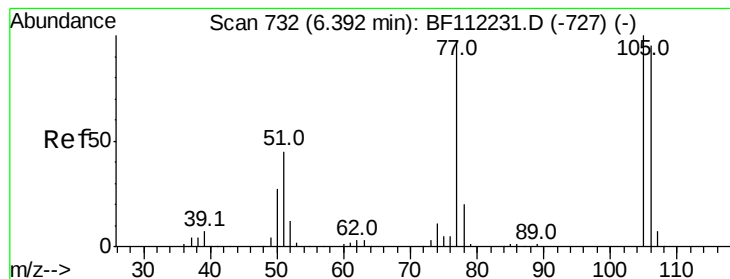
130 33.2 13.4 53.4

64 38.3 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 32.282 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

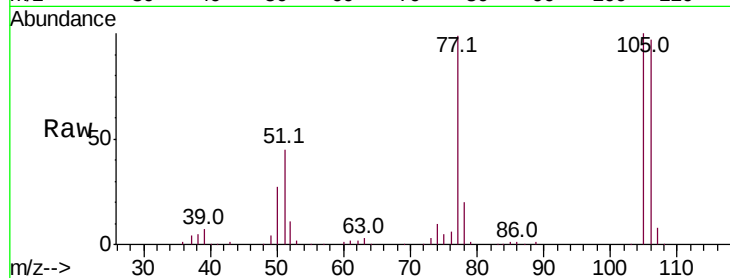
Tot Ion: 77 Resp: 197185

Ion Ratio Lower Upper

77 100

105 101.1 80.8 120.8

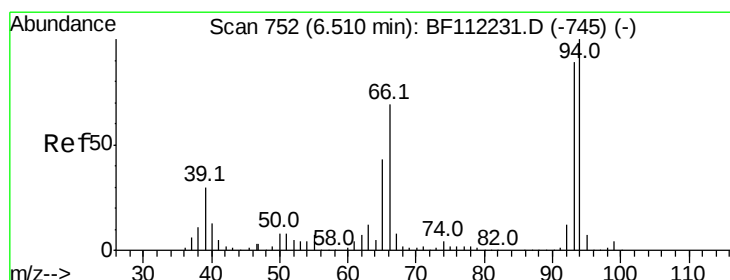
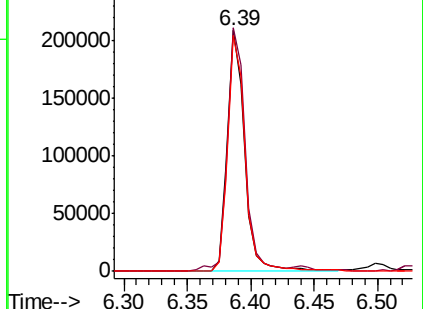
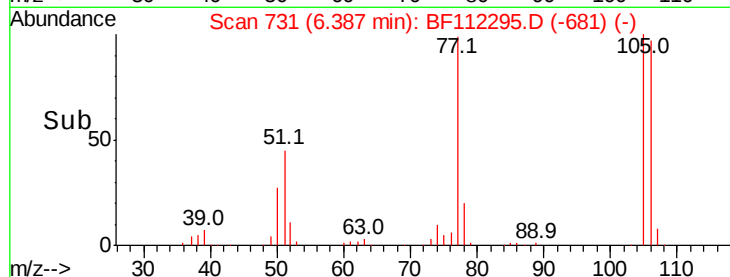
106 97.8 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 25.567 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

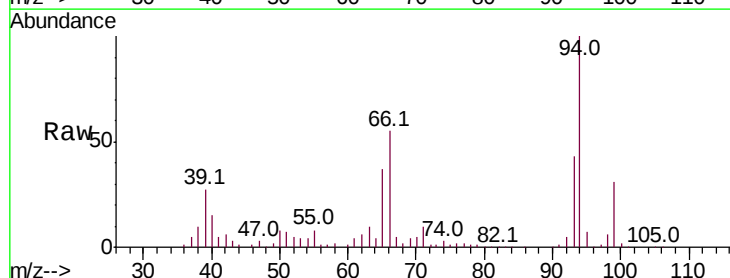
Tgt Ion: 94 Resp: 327799

Ion Ratio Lower Upper

94 100

65 36.7 20.3 60.3

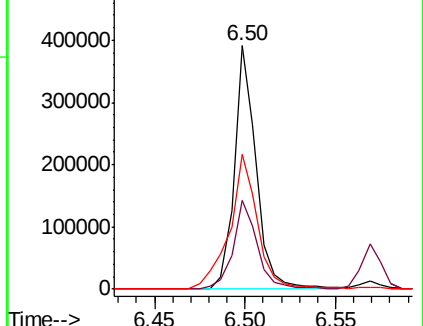
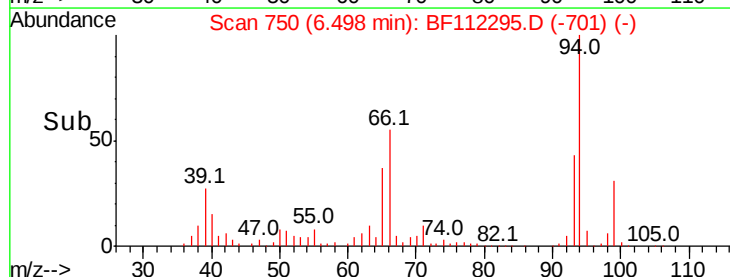
66 55.5 42.4 82.4

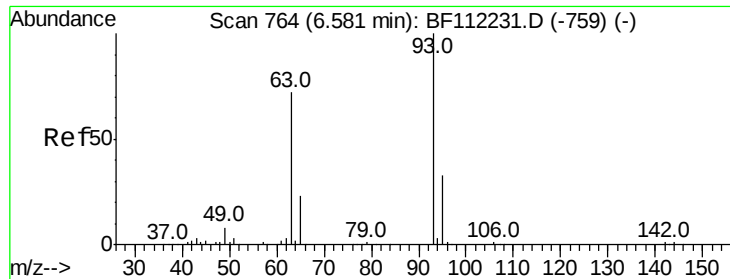


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

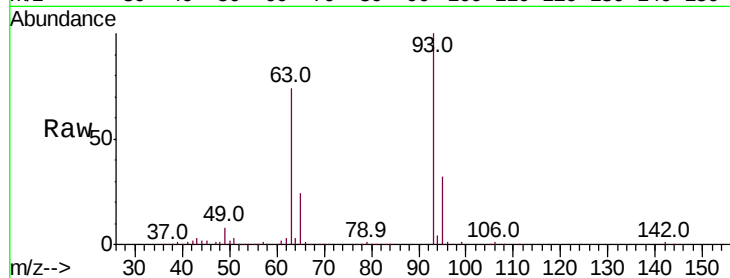




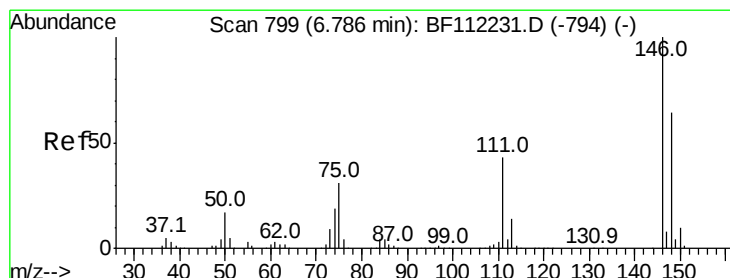
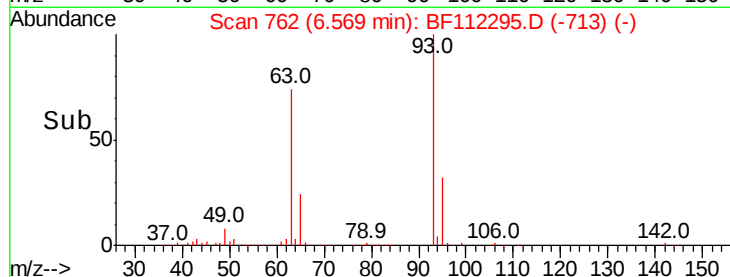
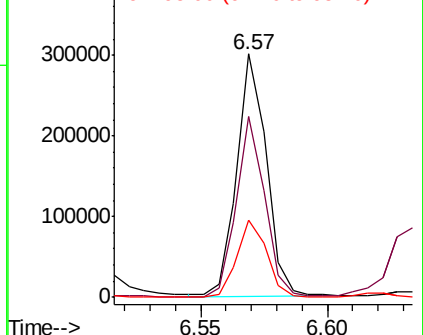
#11
bis(2-Chloroethyl)ether
Concen: 23.999 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion: 93 Resp: 242241
Ion Ratio Lower Upper
93 100
63 74.4 53.3 93.3
95 31.9 13.4 53.4

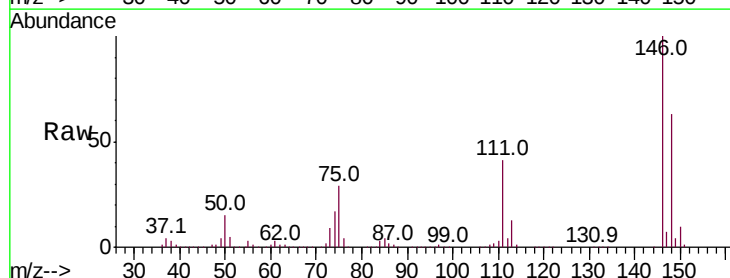


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

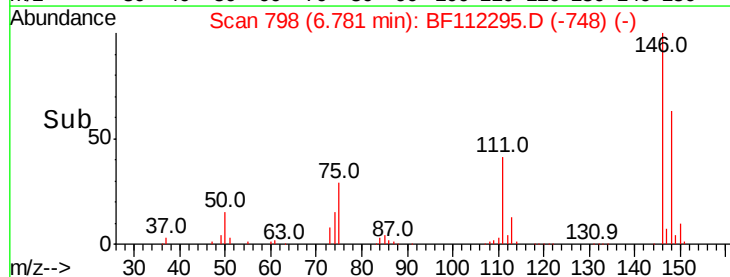
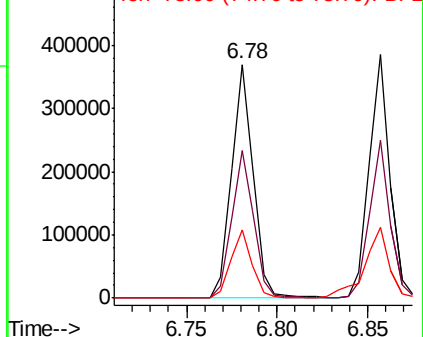


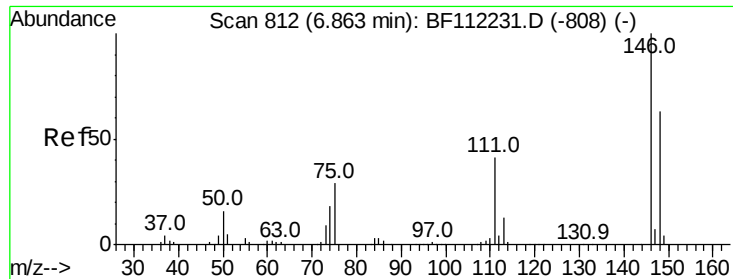
#12
1,3-Dichlorobenzene
Concen: 23.492 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 146 Resp: 309534
Ion Ratio Lower Upper
146 100
148 63.2 51.8 77.8
75 29.1 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

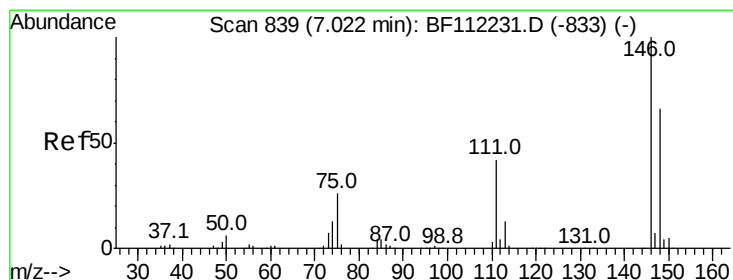
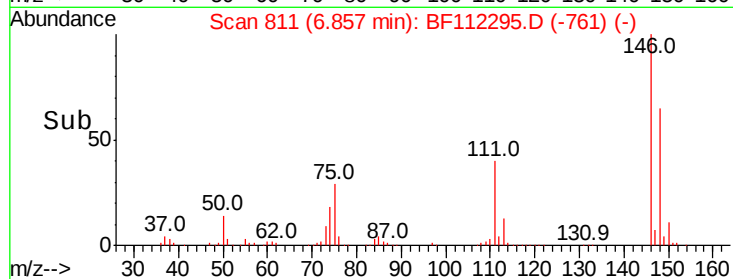
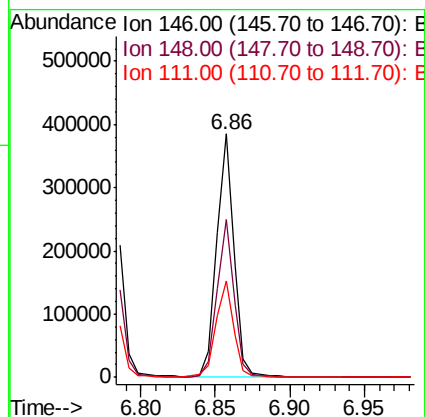
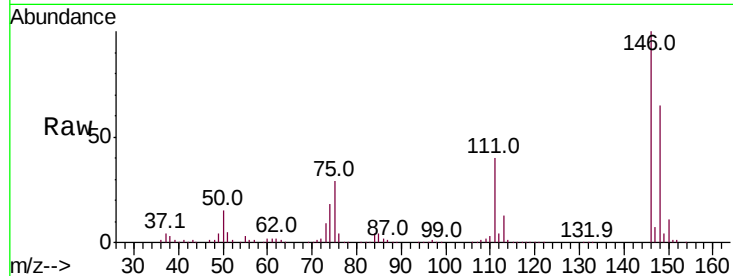




#13
 1,4-Dichlorobenzene
 Concen: 22.889 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

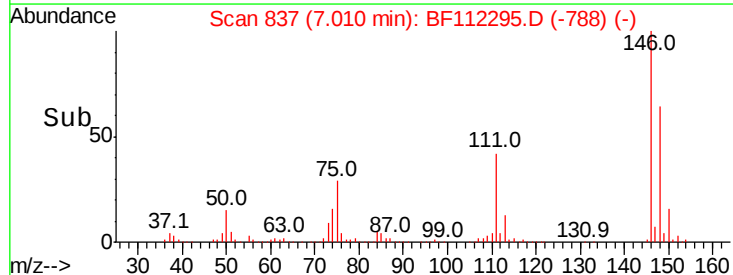
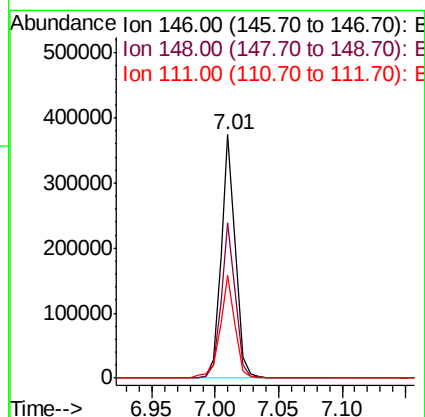
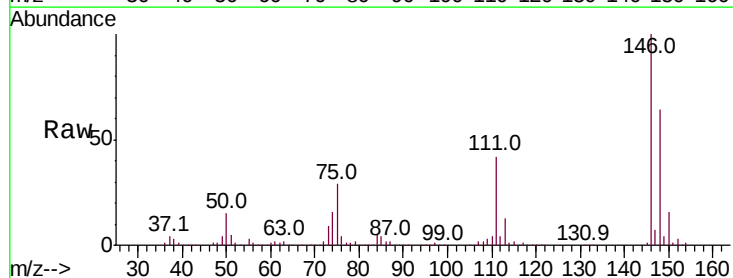
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

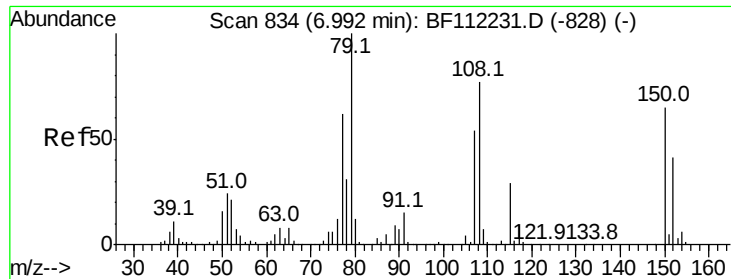
Tot Ion:146 Resp: 310379
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.0 78.0
 111 39.6 31.2 46.8



#14
 1,2-Dichlorobenzene
 Concen: 23.497 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:146 Resp: 298322
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.2 78.4
 111 42.0 31.2 46.8

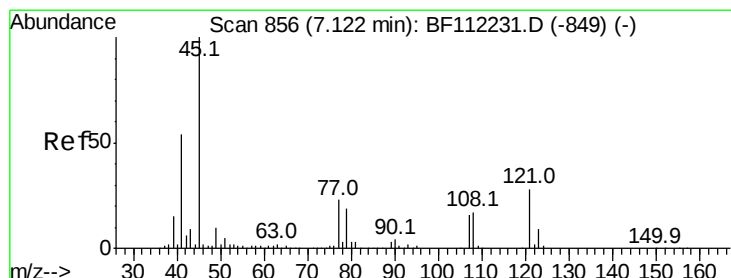
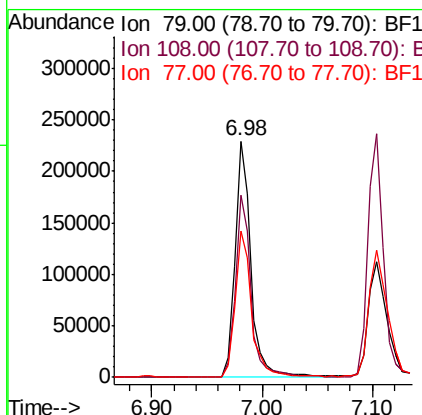
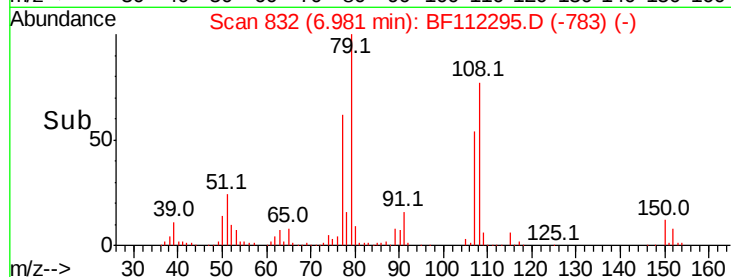
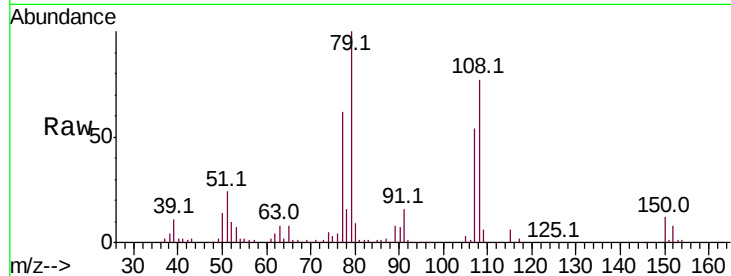




#15
Benzyl Alcohol
Concen: 23.601 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

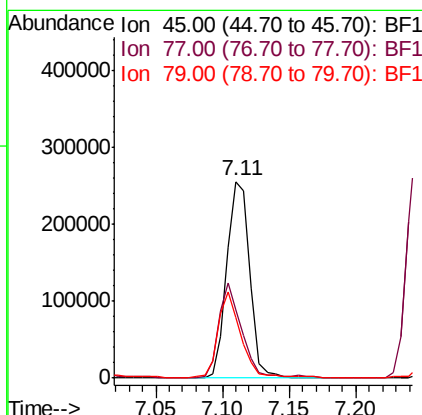
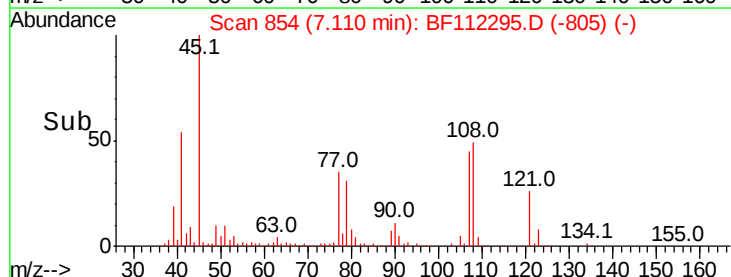
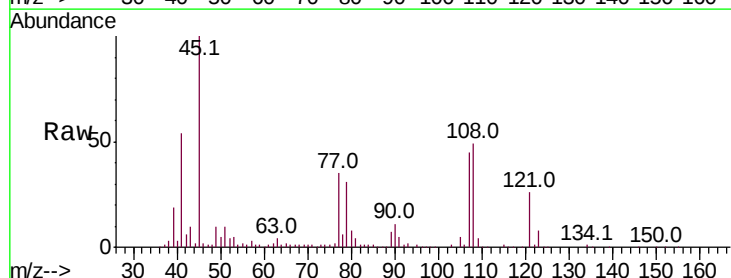
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

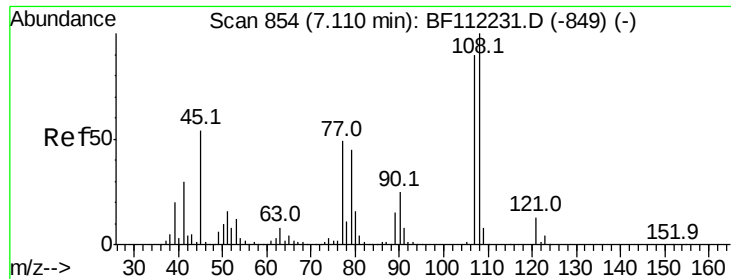
Tot Ion: 79 Resp: 232504
Ion Ratio Lower Upper
79 100
108 76.9 64.2 96.2
77 61.8 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.976 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 45 Resp: 310740
Ion Ratio Lower Upper
45 100
77 35.0 0.0 36.9
79 30.7 0.0 34.0

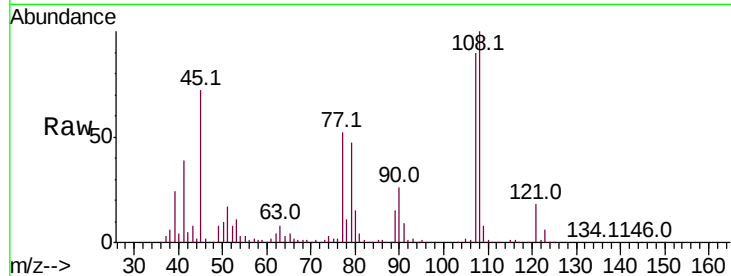




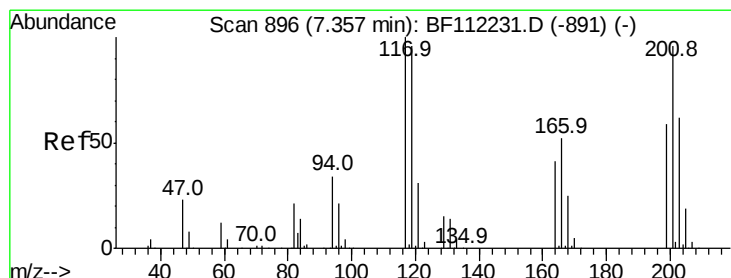
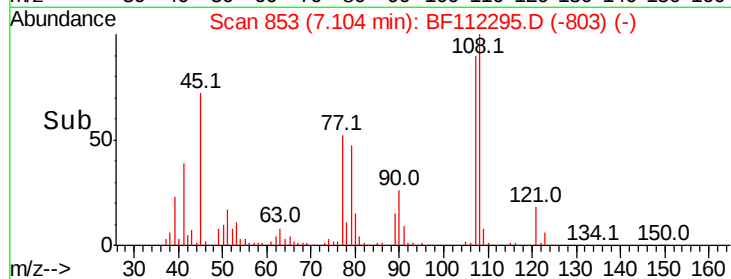
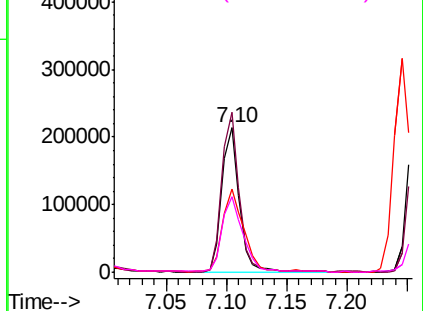
#17
2-Methylphenol
Concen: 23.722 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:	107	Resp:	212756
Ion	Ratio	Lower	Upper
107	100		
108	110.6	91.3	136.9
77	57.8	39.0	58.6
79	52.5	37.0	55.4

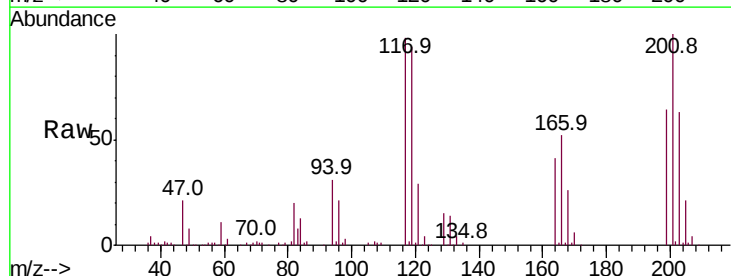


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

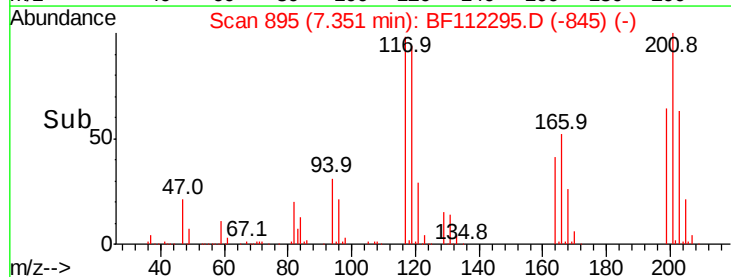
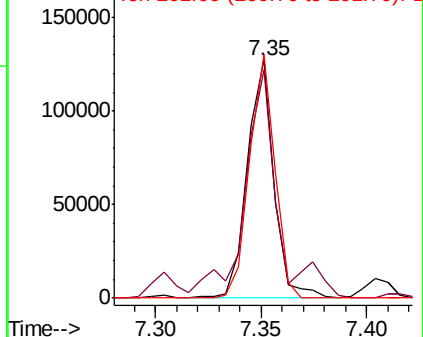


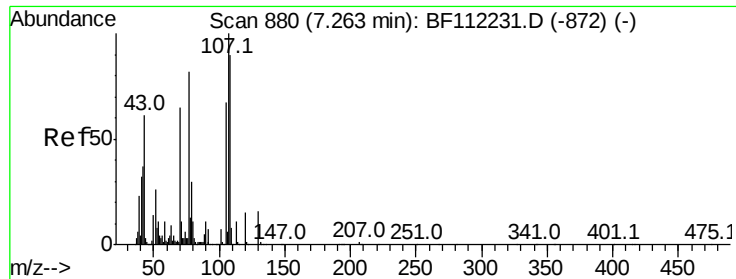
#18
Hexachloroethane
Concen: 23.319 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:	117	Resp:	111039
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	102.1	74.1	111.1



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

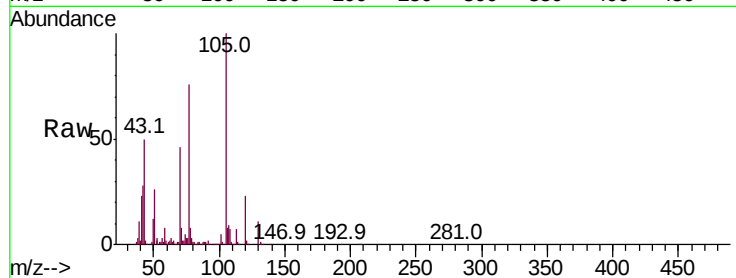




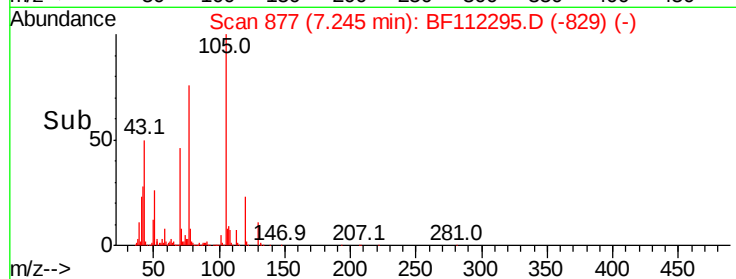
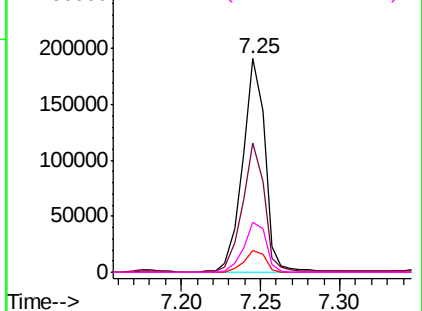
#19
n-Nitroso-di-n-propylamine
Concen: 22.996 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion: 70 Resp: 185310
Ion Ratio Lower Upper
70 100
42 60.6 47.6 71.4
101 10.3 7.9 11.9
130 23.1 18.4 27.6

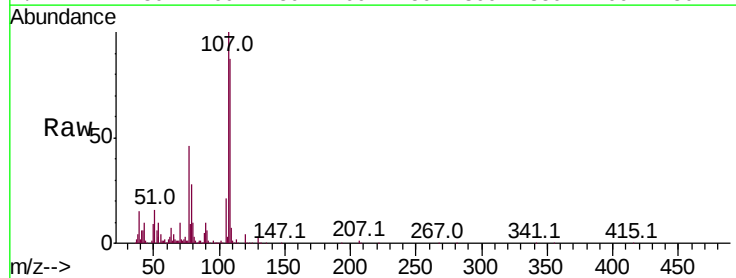
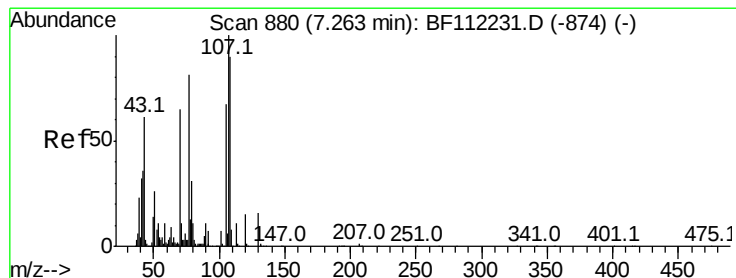


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

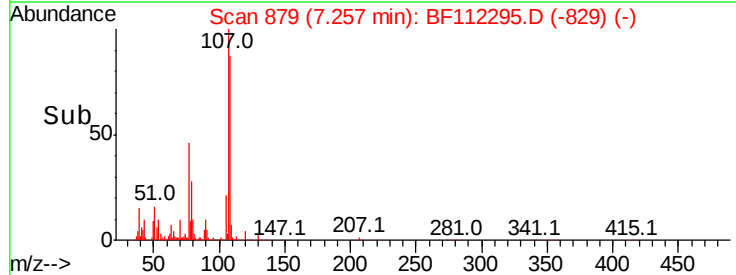
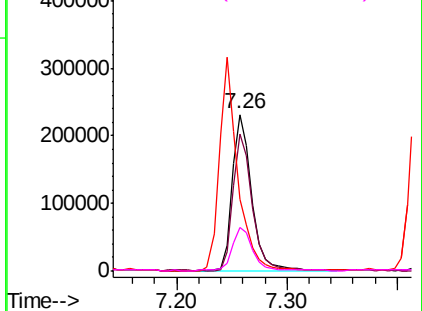


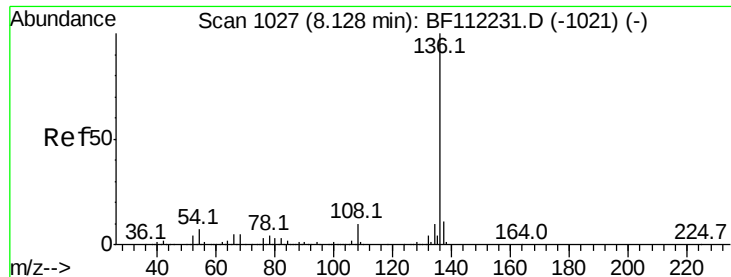
#20
3+4-Methylphenols
Concen: 24.730 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:107 Resp: 283620
Ion Ratio Lower Upper
107 100
108 87.4 68.2 108.2
77 46.3 100.7 140.7#
79 28.2 7.3 47.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

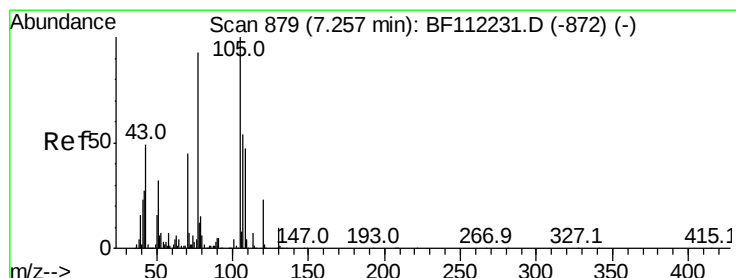
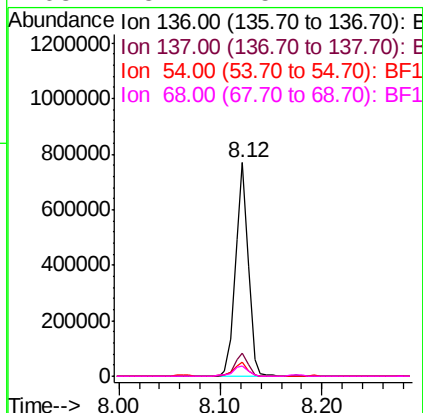
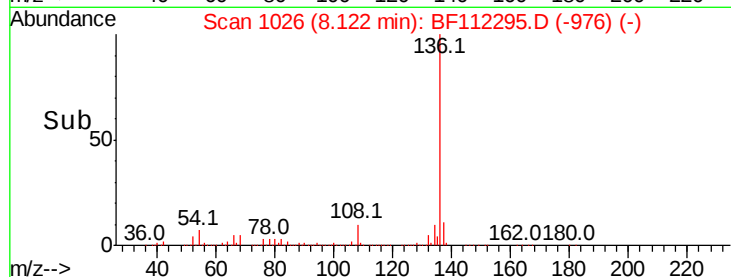
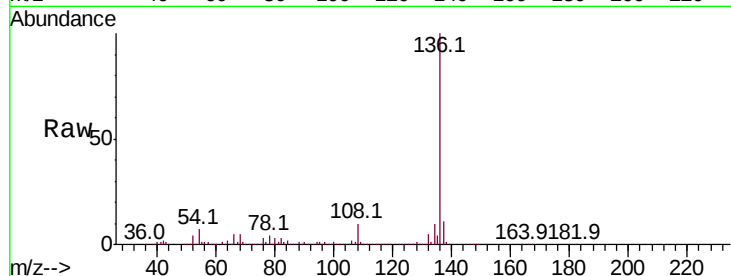




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

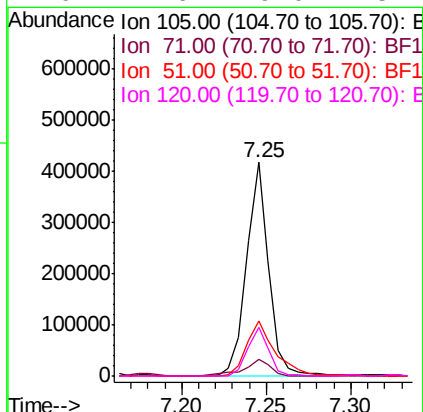
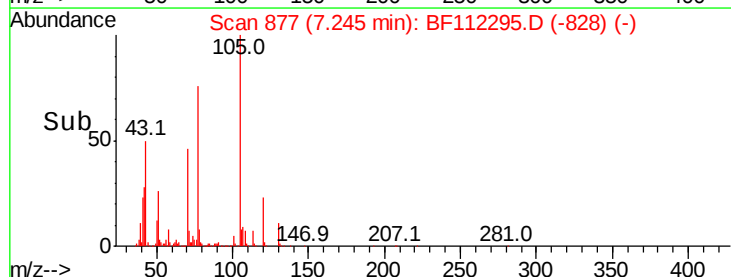
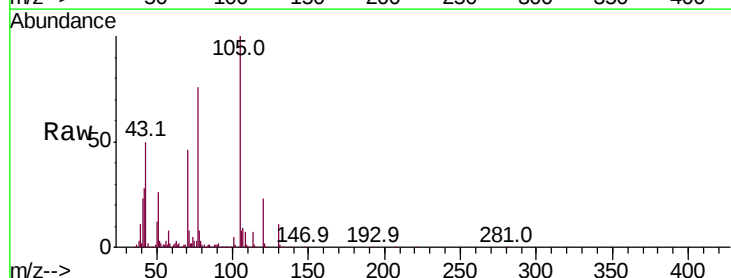
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

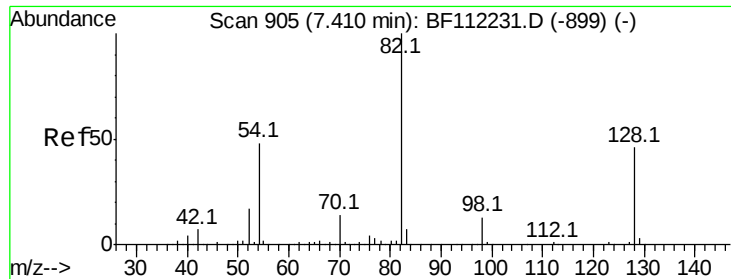
Tot Ion:136	Resp:	671515
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	6.6	5.9 8.9
68	5.1	5.1 7.7#



#22
Acetophenone
Concen: 23.512 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:105	Resp:	384454
Ion Ratio	Lower	Upper
105	100	
71	7.8	4.6 6.8#
51	25.8	25.0 37.6
120	22.6	19.0 28.4

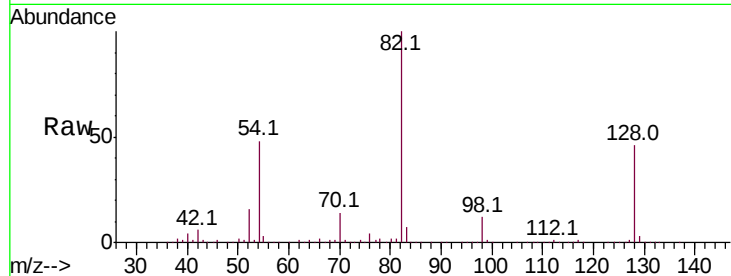




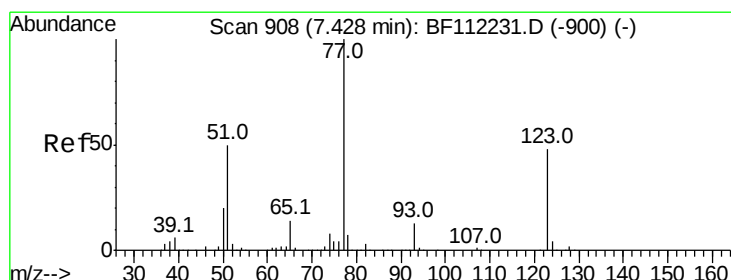
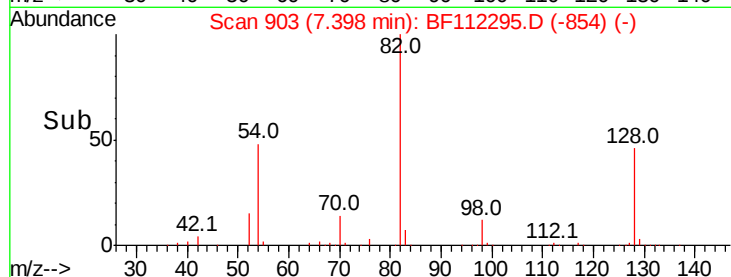
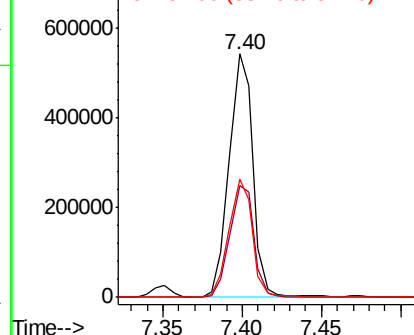
#23
Nitrobenzene-d5
Concen: 48.211 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion	82	Resp	561865
Ion Ratio	100	Lower	Upper
128	46.0	37.8	56.8
54	48.4	39.7	59.5

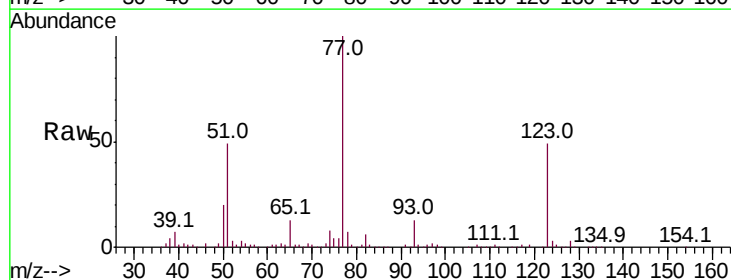


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

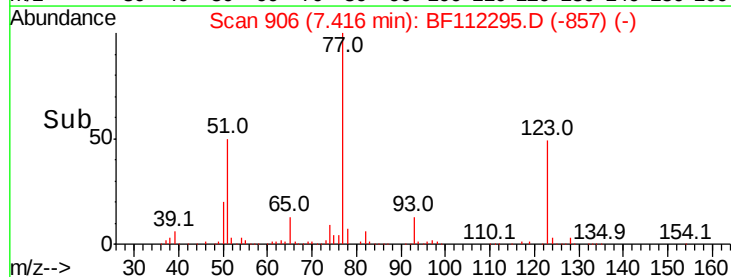
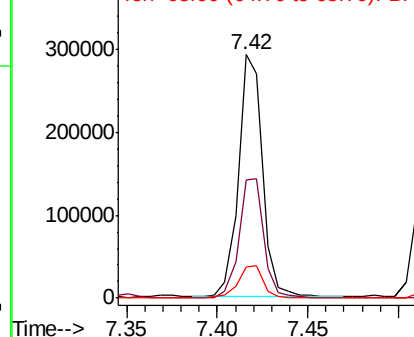


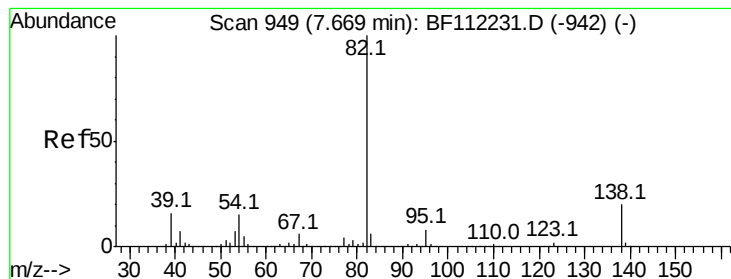
#24
Nitrobenzene
Concen: 23.208 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion	77	Resp	270126
Ion Ratio	100	Lower	Upper
123	48.7	38.4	57.6
65	13.0	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 26.479 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

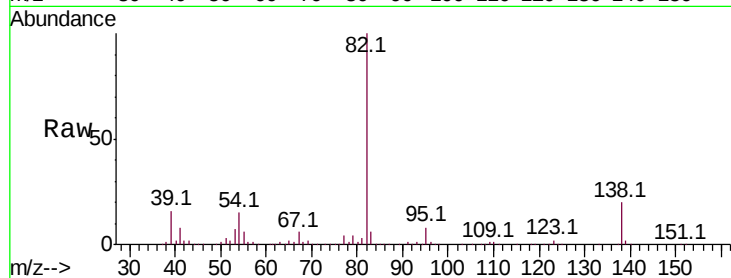
Tot Ion: 82 Resp: 484110

Ion Ratio Lower Upper

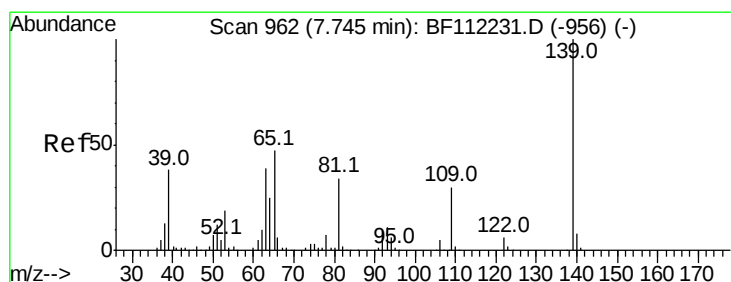
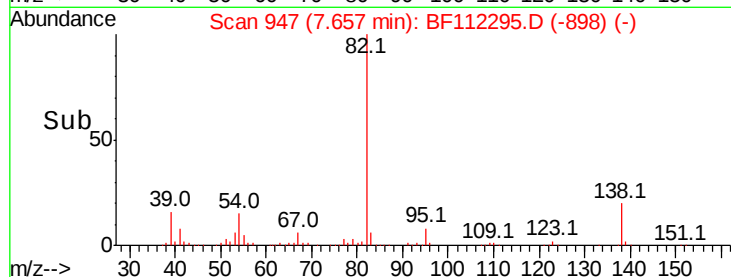
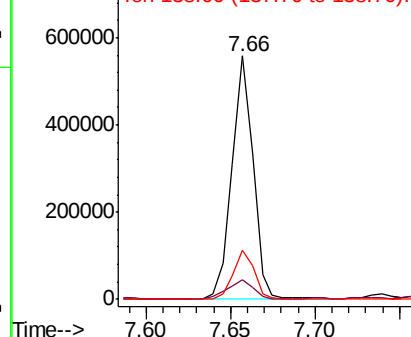
82 100

95 8.0 5.7 8.5

138 20.3 15.4 23.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 23.694 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

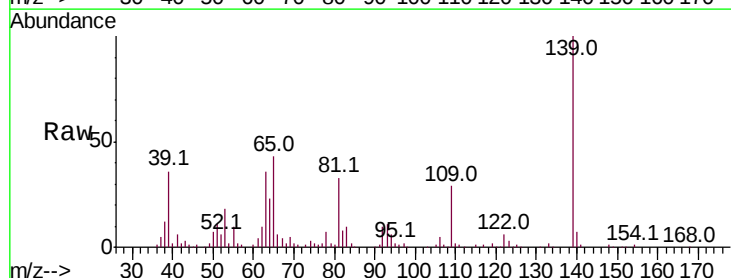
Tgt Ion: 139 Resp: 147382

Ion Ratio Lower Upper

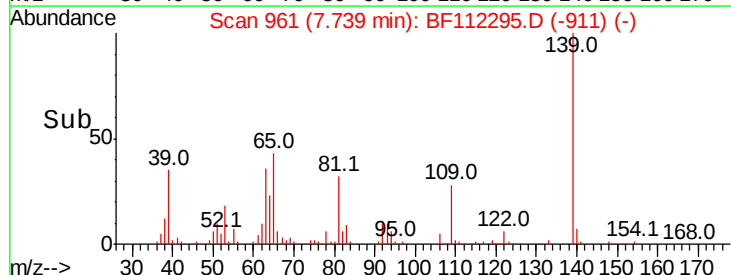
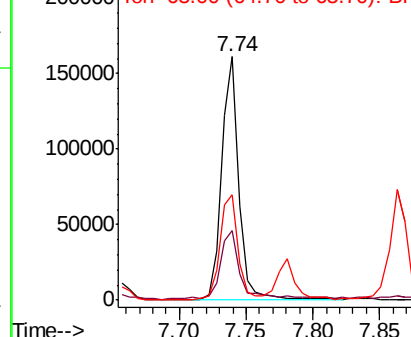
139 100

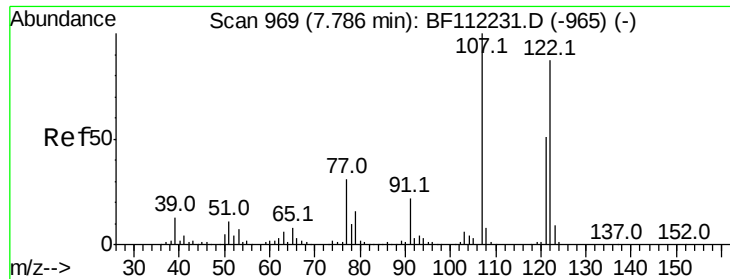
109 28.7 20.8 31.2

65 43.5 34.4 51.6



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

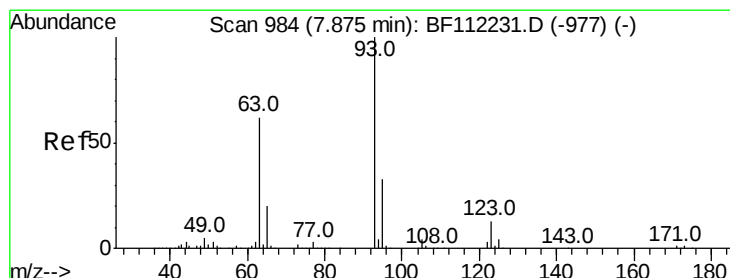
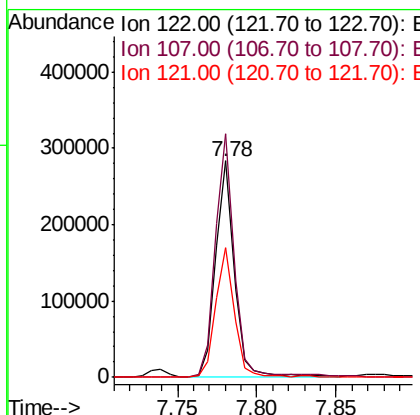
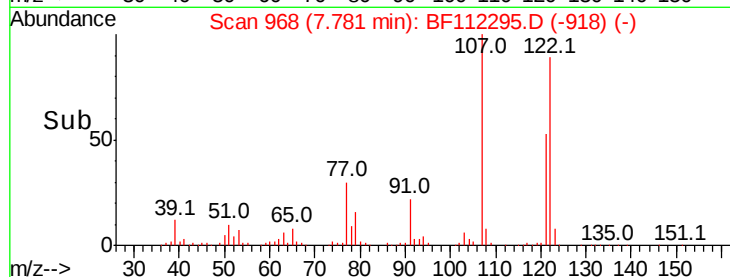
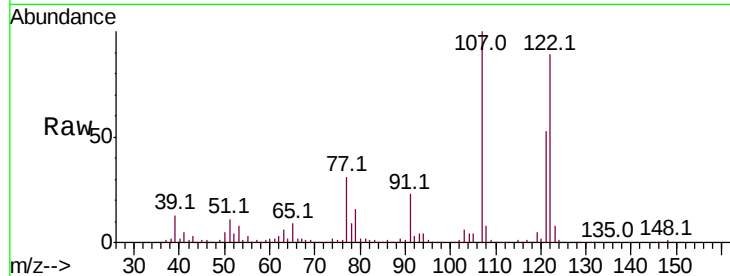




#27
 2,4-Dimethylphenol
 Concen: 27.071 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

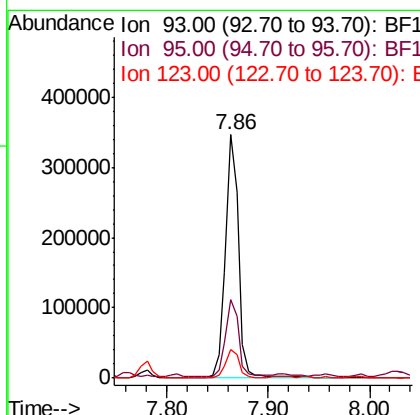
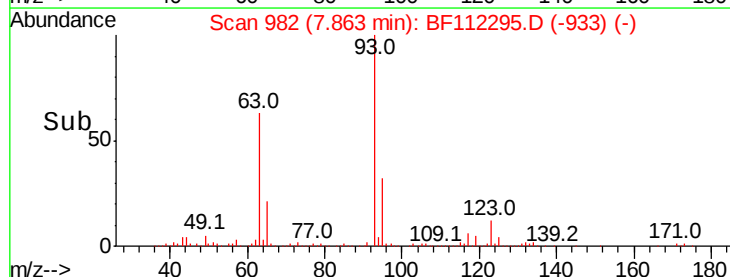
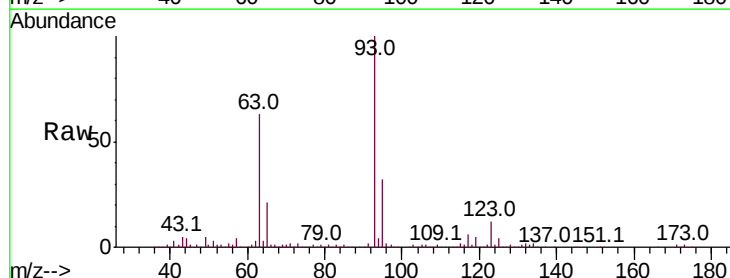
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

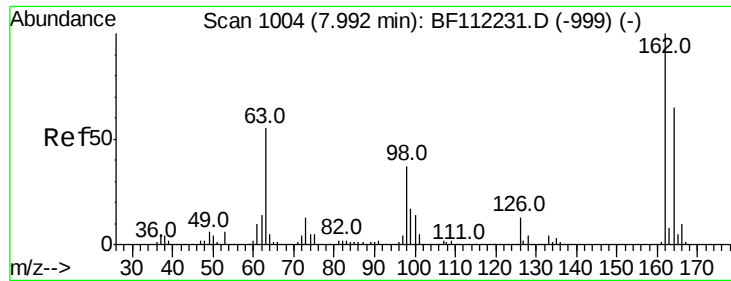
Tot Ion:122 Resp: 232000
 Ion Ratio Lower Upper
 122 100
 107 112.6 85.4 128.0
 121 59.9 47.0 70.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 24.944 ng
 RT: 7.86 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion: 93 Resp: 310533
 Ion Ratio Lower Upper
 93 100
 95 32.2 26.8 40.2
 123 11.7 10.2 15.2

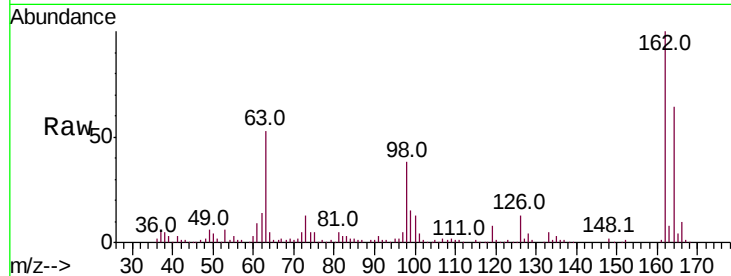




#29
 2,4-Dichlorophenol
 Concen: 23.904 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.6	84.6
98	37.7	14.6	54.6

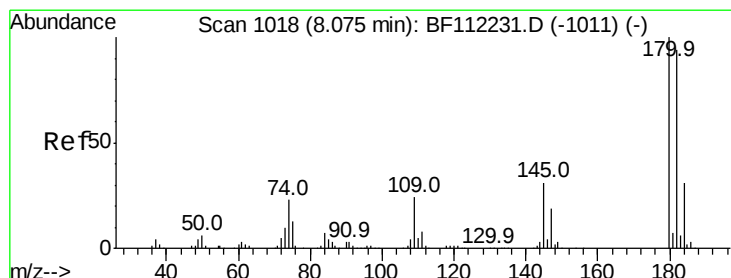
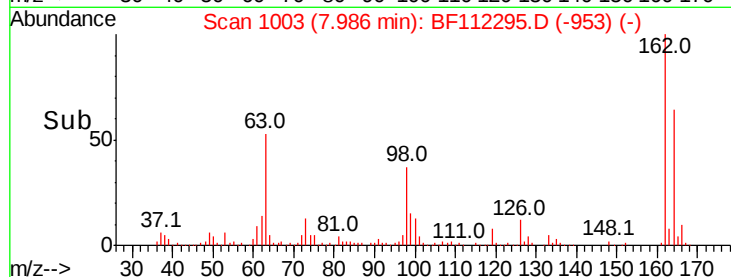
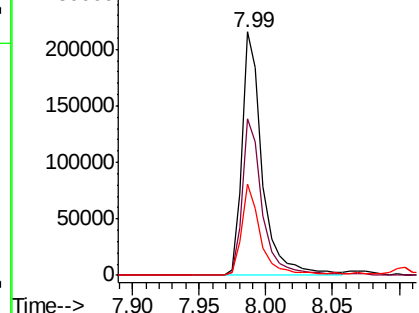


Abundance

Ion 162.00 (161.70 to 162.70): E

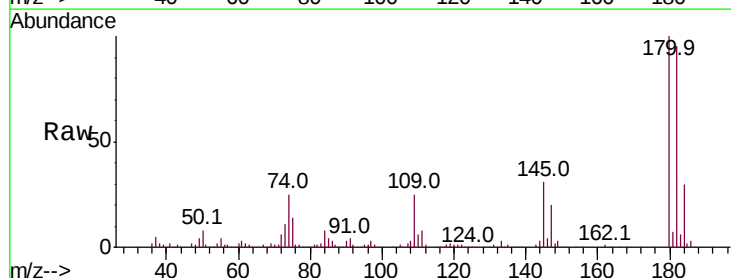
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 23.411 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	31.0	25.0	37.4

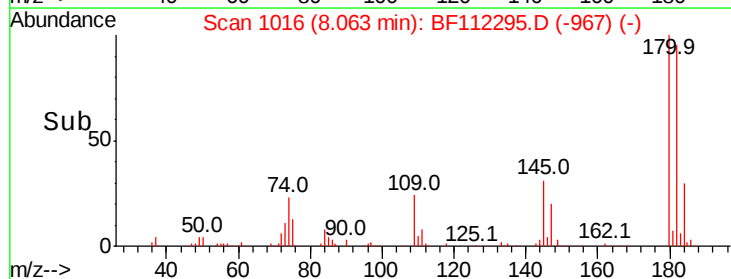
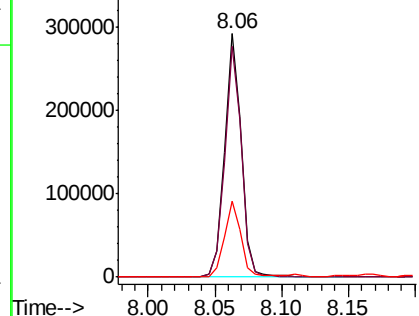


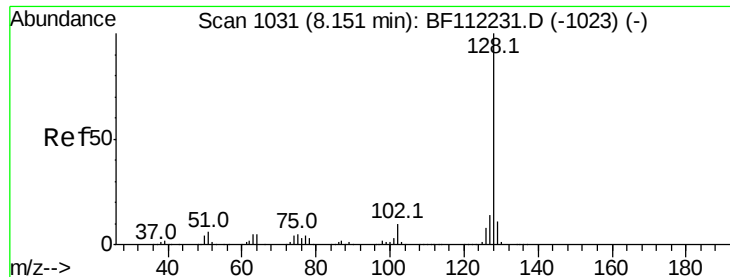
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

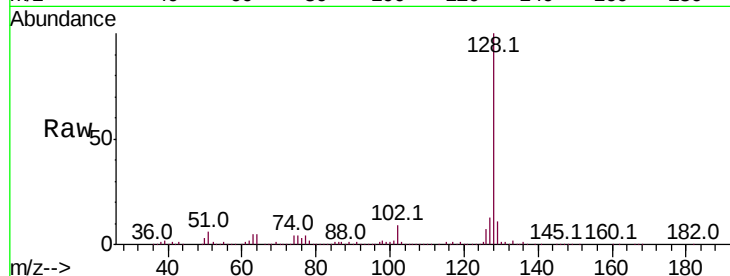




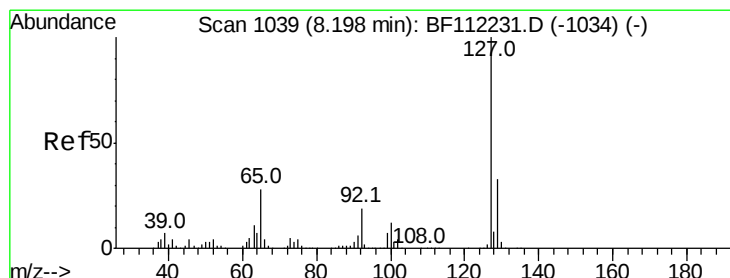
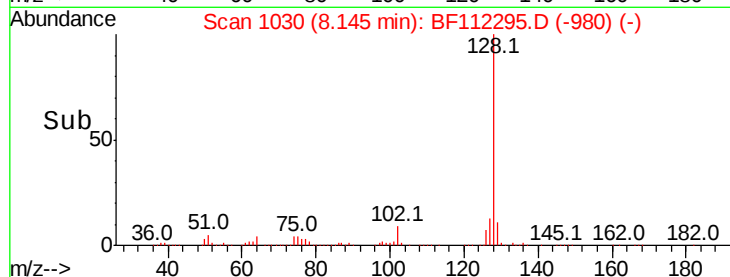
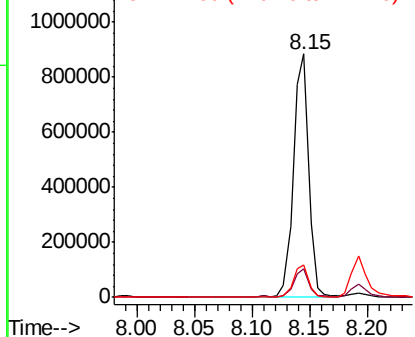
#31
Naphthalene
Concen: 25.906 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:128 Resp: 813541
Ion Ratio Lower Upper
128 100
129 11.5 9.6 14.4
127 13.2 11.1 16.7



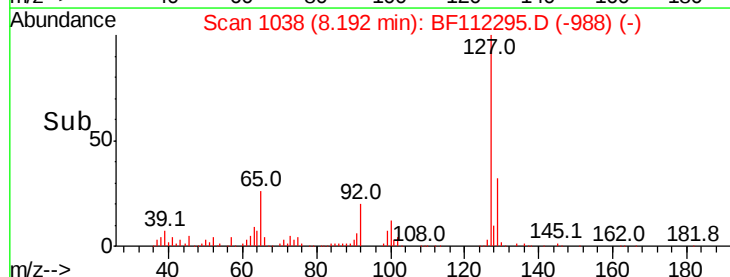
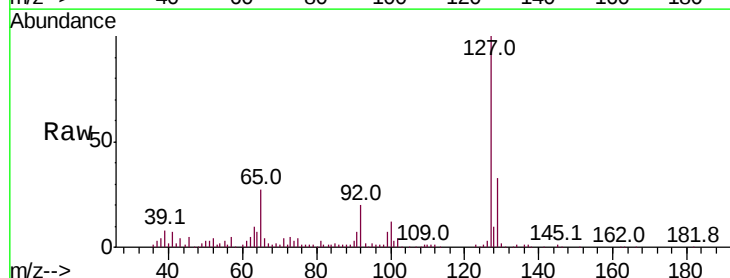
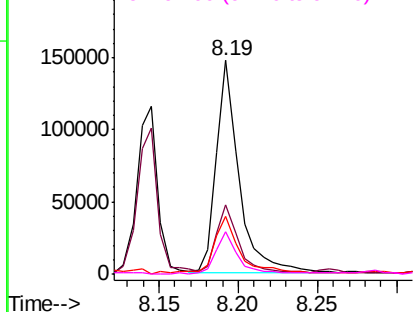
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

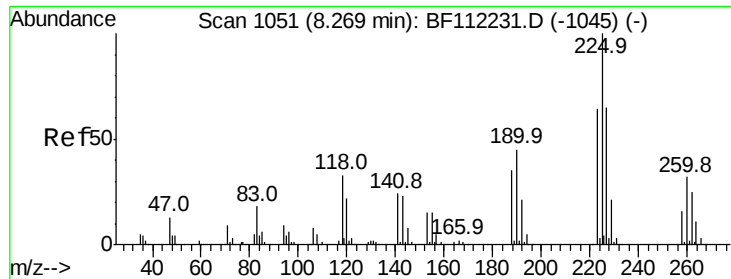


#33
4-Chloroaniline
Concen: 10.810 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:127 Resp: 147816
Ion Ratio Lower Upper
127 100
129 32.6 26.6 39.8
65 26.9 21.4 32.2
92 20.0 14.2 21.2

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

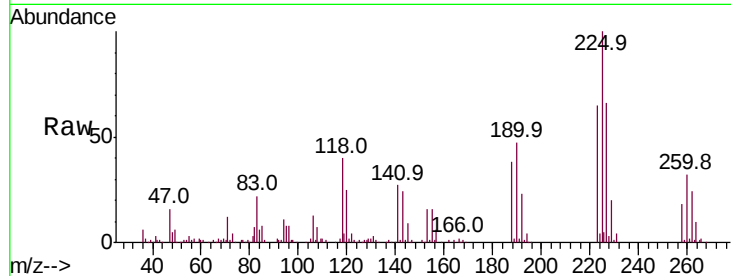




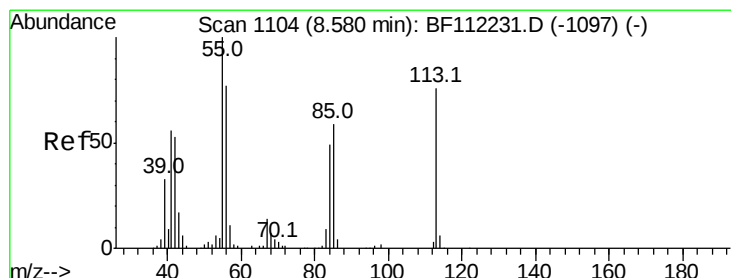
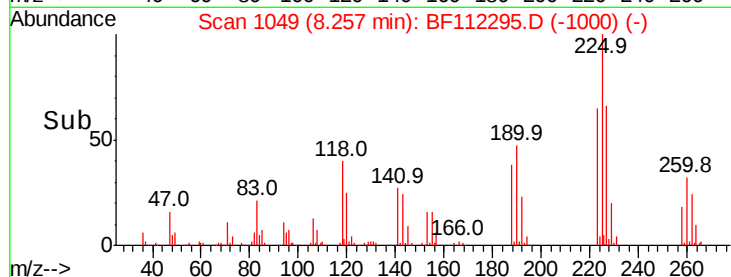
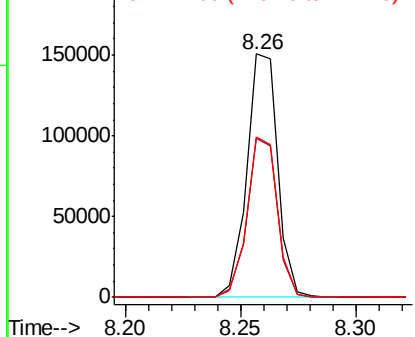
#34
Hexachlorobutadiene
Concen: 21.792 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:225 Resp: 140972
Ion Ratio Lower Upper
225 100
223 65.1 50.3 75.5
227 65.9 51.8 77.8

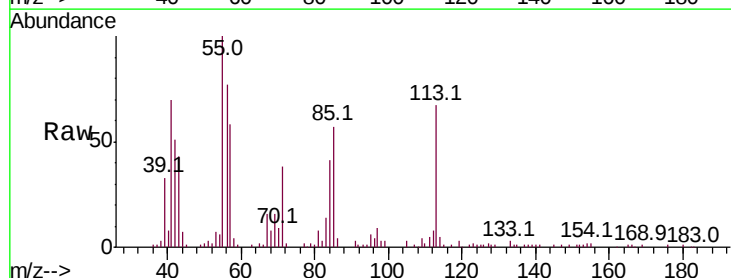


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

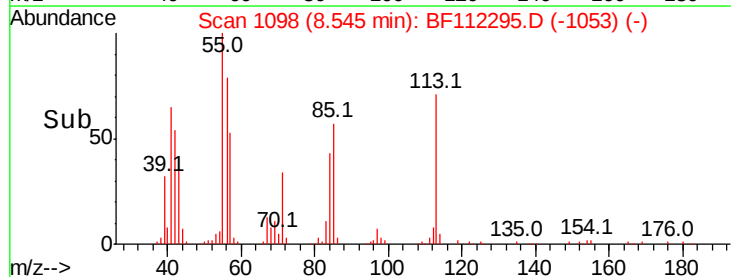
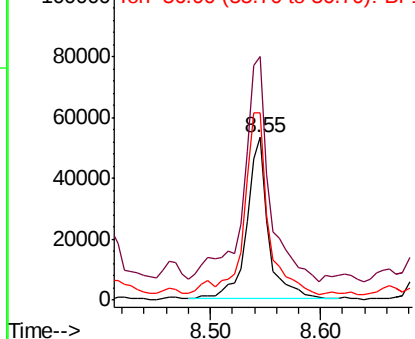


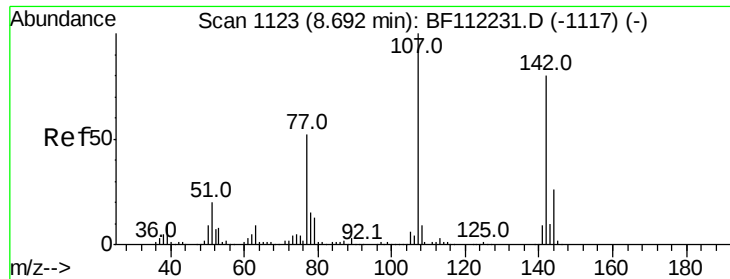
#35
Caprolactam
Concen: 21.541 ng
RT: 8.55 min Scan# 1098
Delta R.T. -0.04 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:113 Resp: 72877
Ion Ratio Lower Upper
113 100
55 149.6 121.6 161.6
56 115.3 86.7 126.7



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

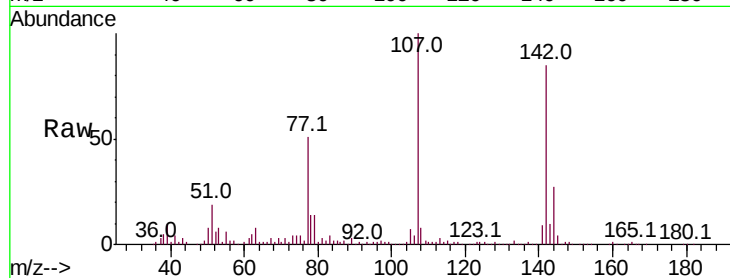




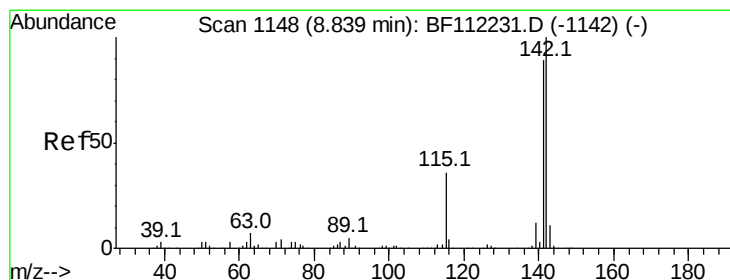
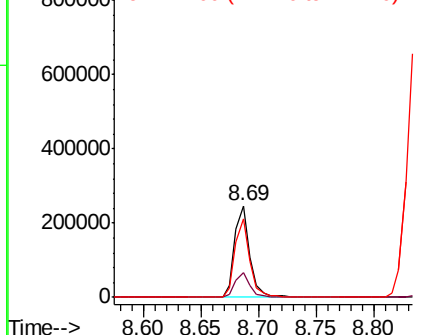
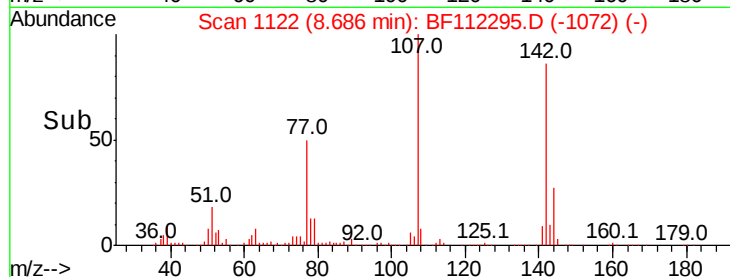
#36
4-Chloro-3-methylphenol
Concen: 22.219 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:107 Resp: 225579
Ion Ratio Lower Upper
107 100
144 27.2 22.2 33.2
142 85.5 67.7 101.5

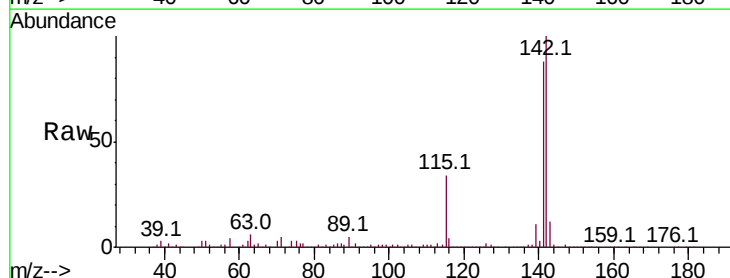


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

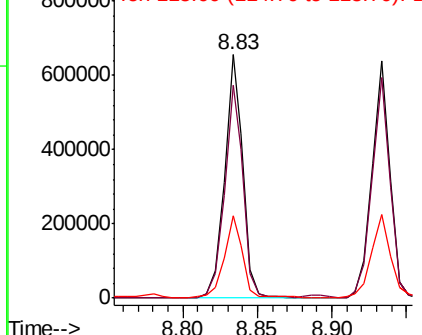
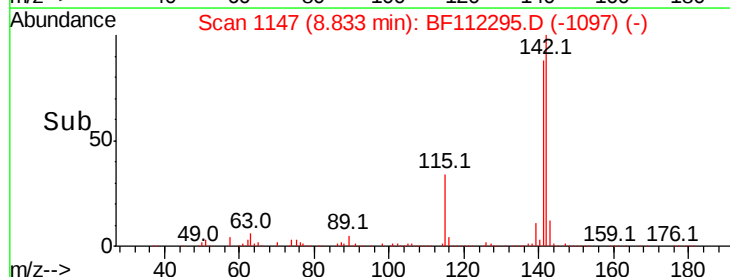


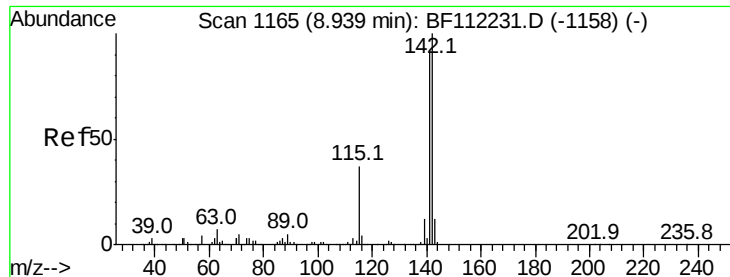
#37
2-Methylnaphthalene
Concen: 26.282 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:142 Resp: 565012
Ion Ratio Lower Upper
142 100
141 87.5 70.9 106.3
115 33.8 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

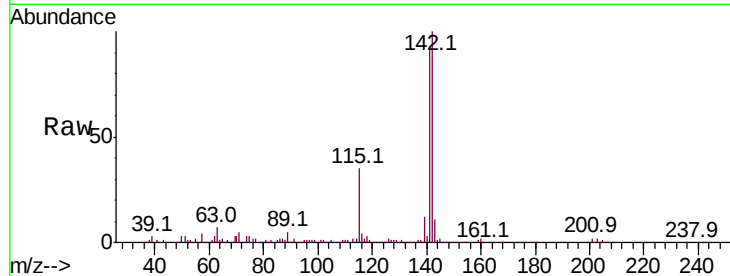




#38
1-Methylnaphthalene
Concen: 25.481 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.6	108.8
116	3.6	2.8	4.2

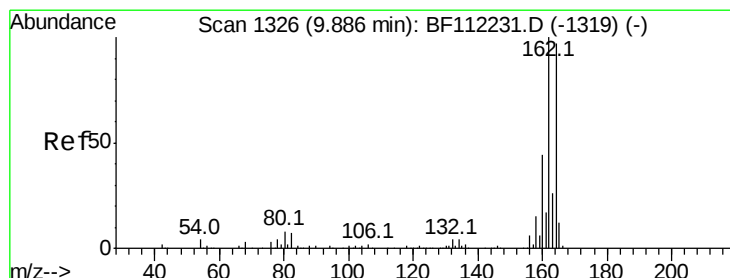
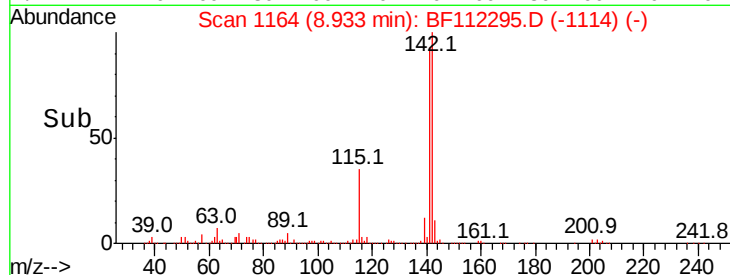
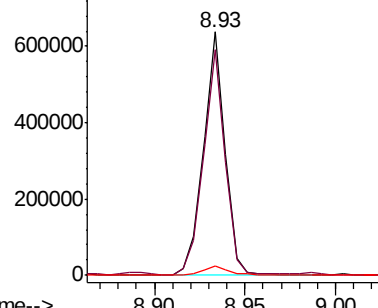


Abundance

Ion 142.00 (141.70 to 142.70): E

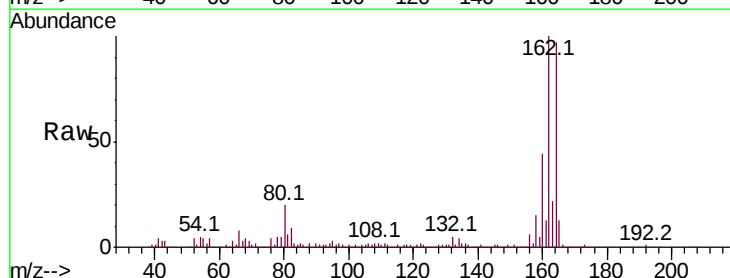
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.4
160	45.4	36.2	54.4

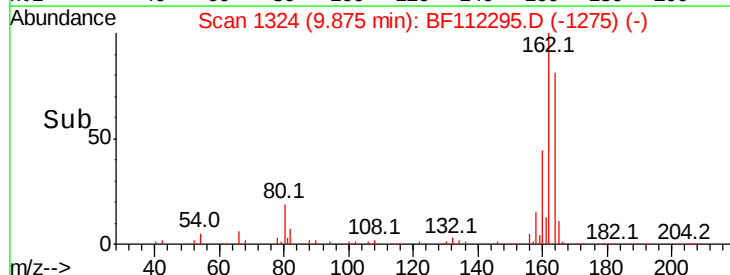
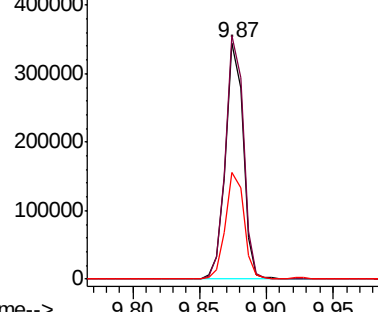


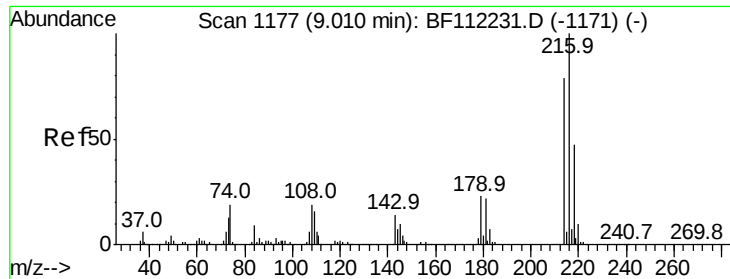
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

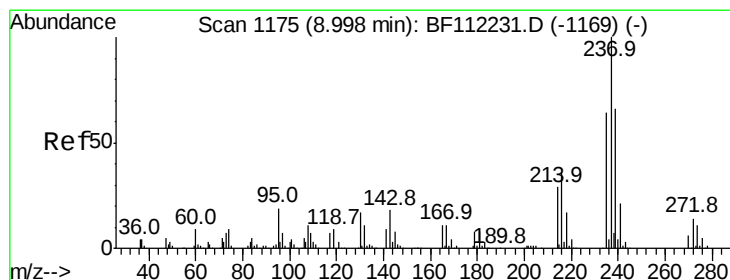
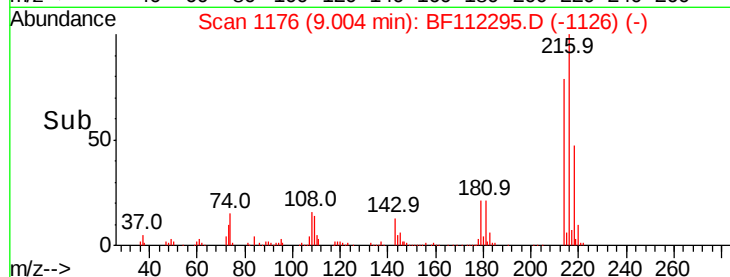
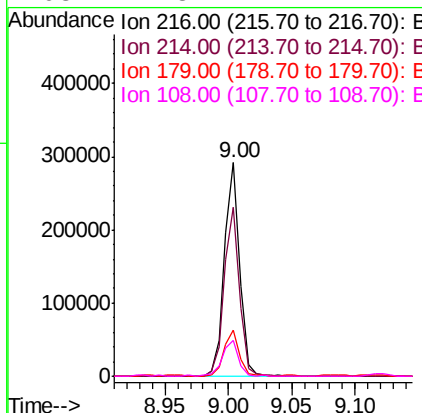
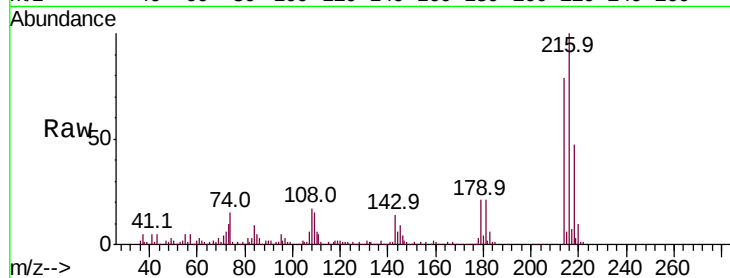




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 24.114 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

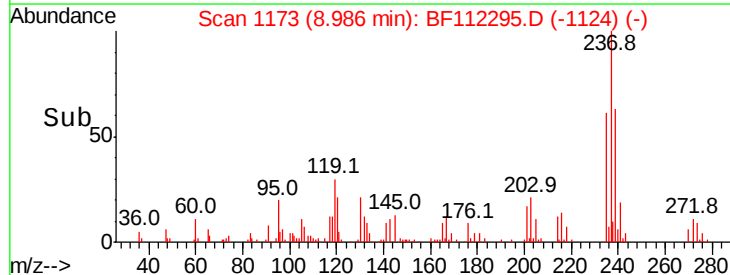
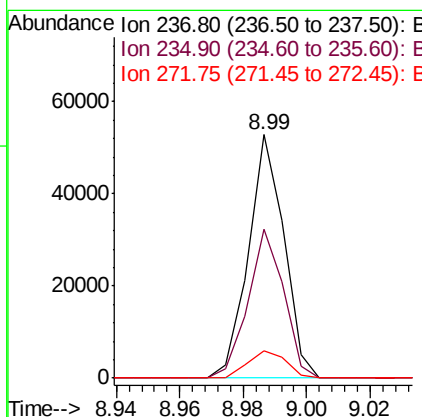
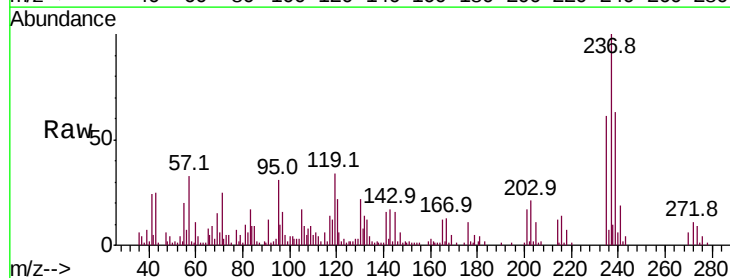
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

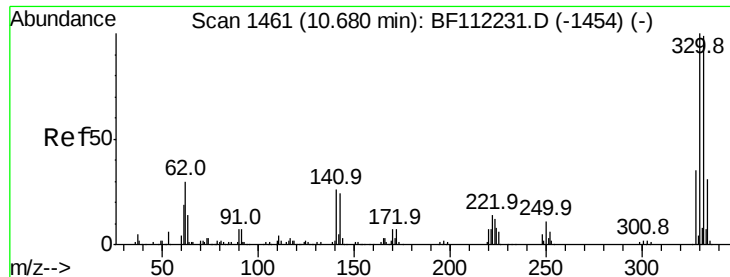
Tot Ion:	216	Resp:	244978
Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	21.1	16.9	25.3
108	17.8	14.2	21.4



#41
 Hexachlorocyclopentadiene
 Concen: 18.914 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:	237	Resp:	41116
Ion	Ratio	Lower	Upper
237	100		
235	61.3	44.0	84.0
272	11.2	0.0	33.3

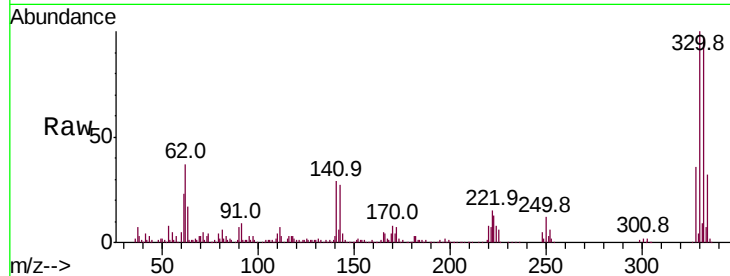




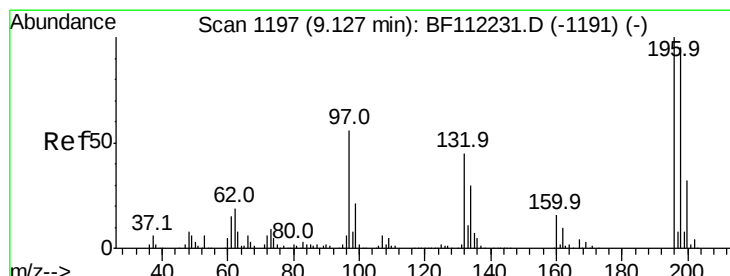
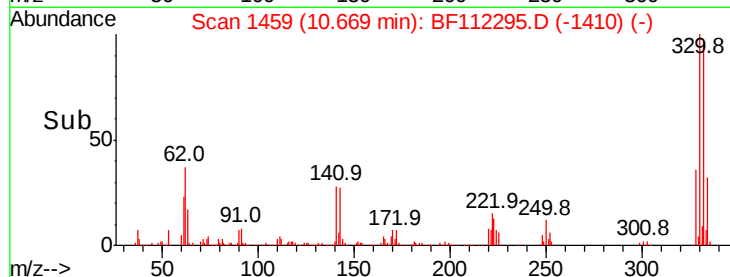
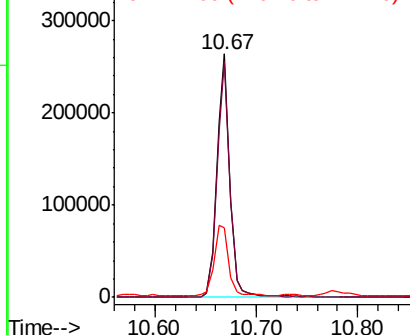
#42
 2,4,6-Tribromophenol
 Concen: 64.842 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	32.7	24.3	36.5

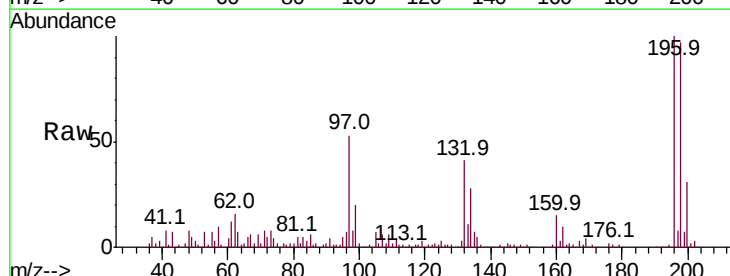


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

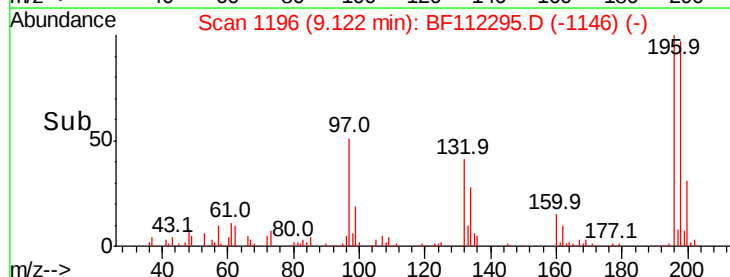
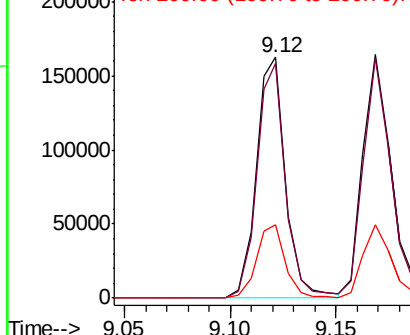


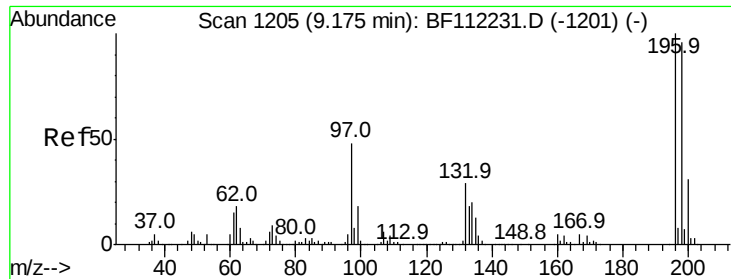
#43
 2,4,6-Trichlorophenol
 Concen: 24.854 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.2	114.4
200	30.6	24.3	36.5



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

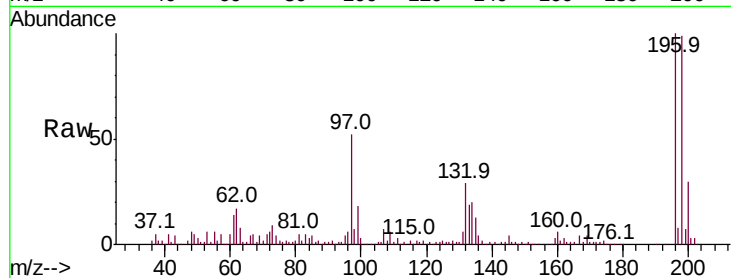




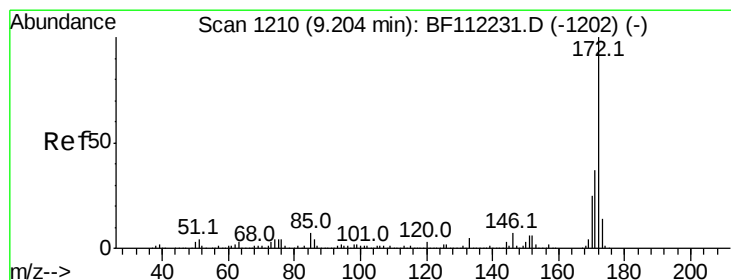
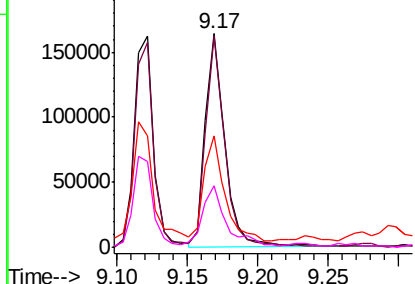
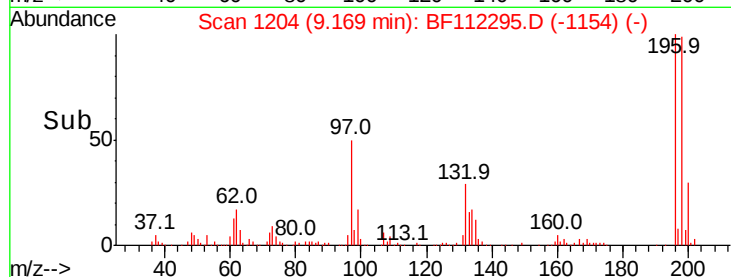
#44
 2,4,5-Trichlorophenol
 Concen: 24.152 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion:196 Resp: 158069
 Ion Ratio Lower Upper
 196 100
 198 98.7 76.0 114.0
 97 52.3 36.4 54.6
 132 28.9 21.5 32.3

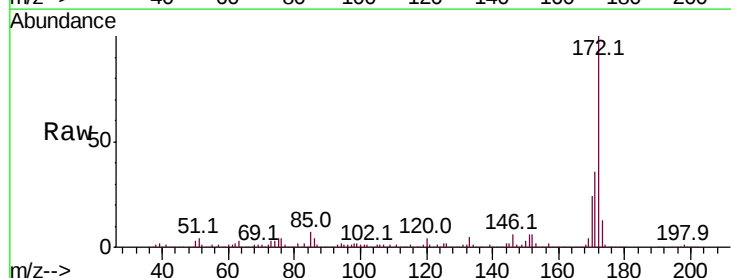


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

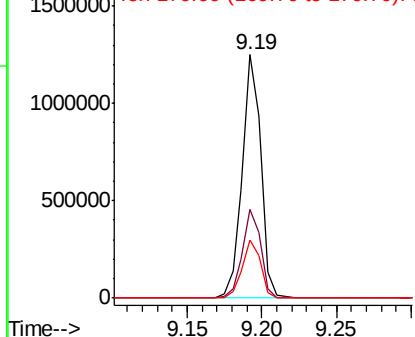
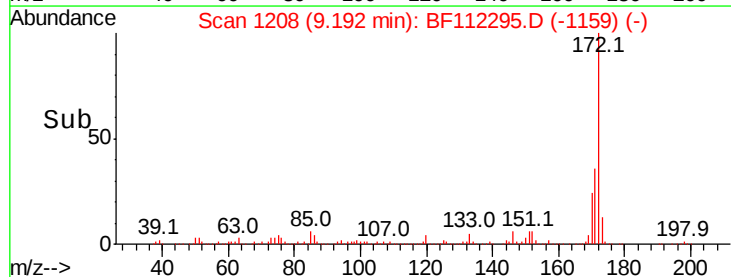


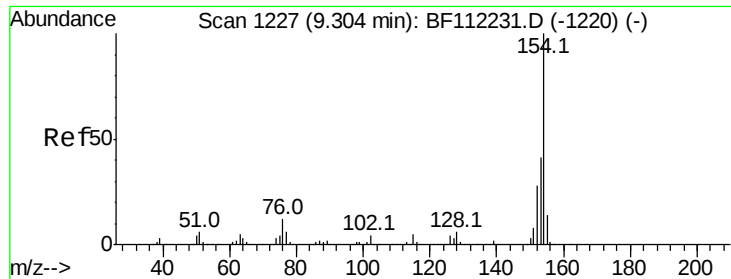
#45
 2-Fluorobiphenyl
 Concen: 49.605 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:172 Resp: 1085218
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.5 45.7
 170 23.6 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

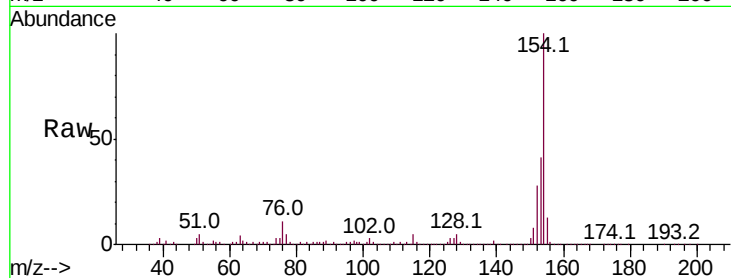




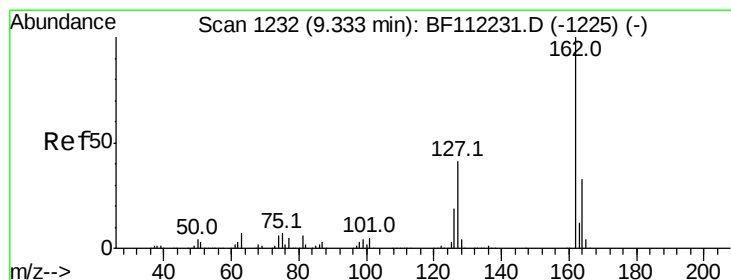
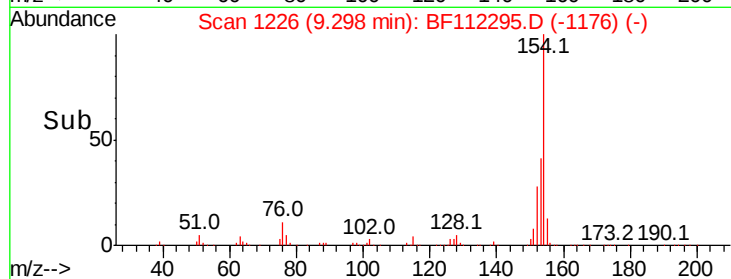
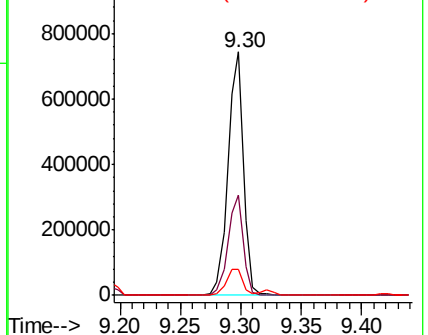
#46
 1,1'-Biphenyl
 Concen: 24.464 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion:154 Resp: 661751
 Ion Ratio Lower Upper
 154 100
 153 41.2 21.5 61.5
 76 10.6 0.0 33.1

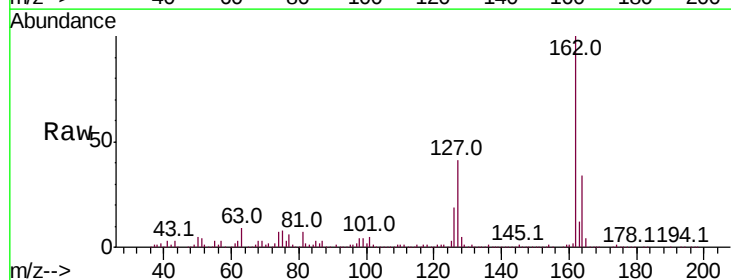


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

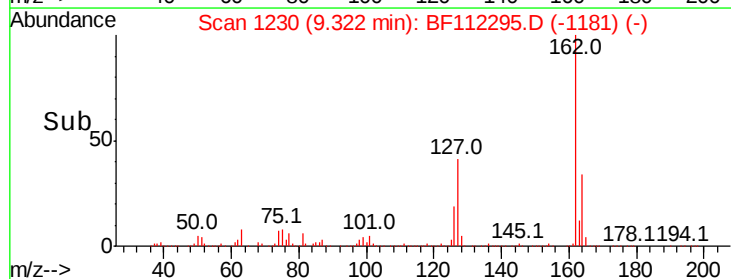
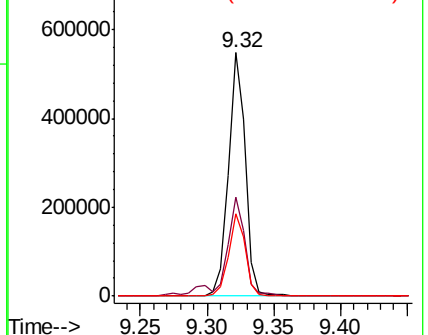


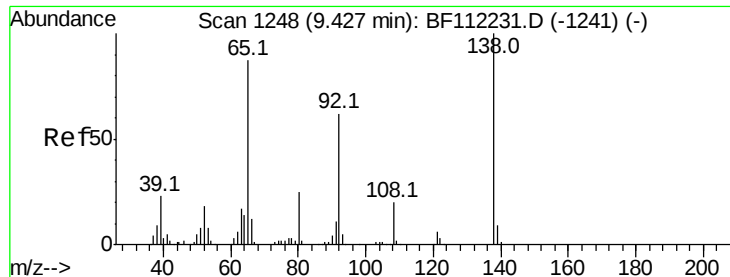
#47
 2-Chloronaphthalene
 Concen: 23.436 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:162 Resp: 491597
 Ion Ratio Lower Upper
 162 100
 127 40.9 30.4 45.6
 164 33.7 27.4 41.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

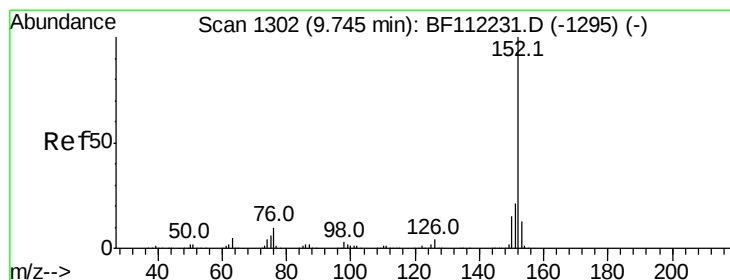
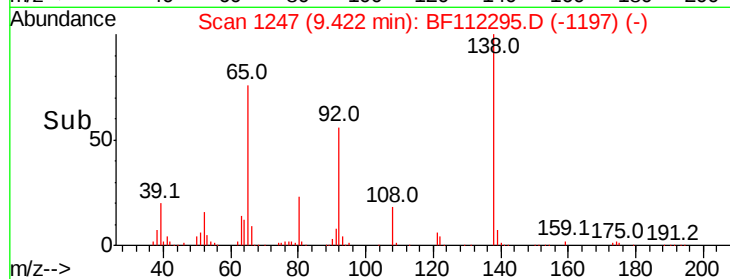
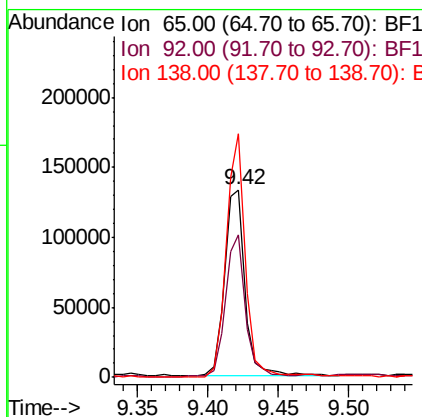
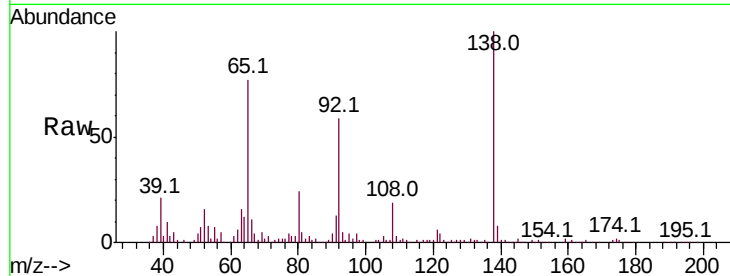




#48
2-Nitroaniline
Concen: 23.233 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

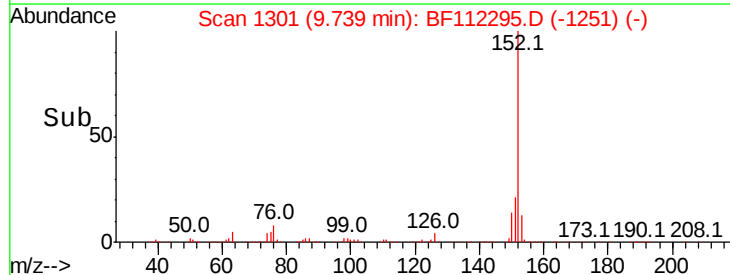
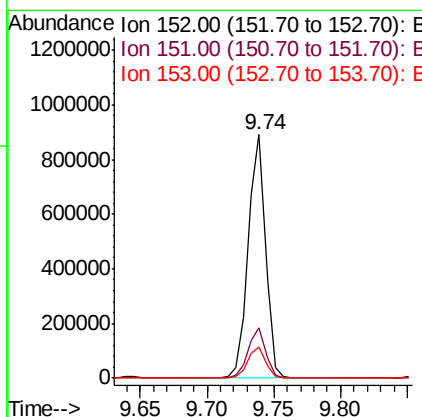
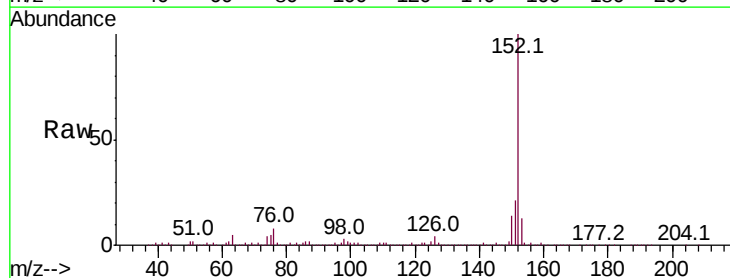
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

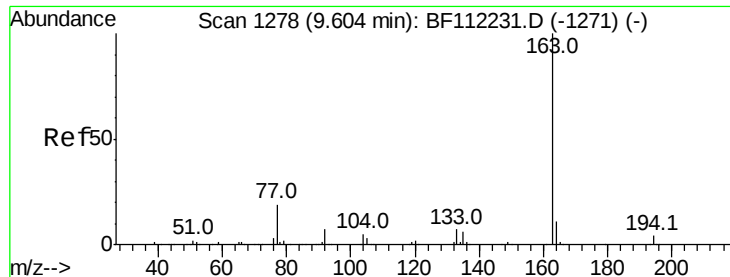
Tot Ion: 65 Resp: 132829
Ion Ratio Lower Upper
65 100
92 76.0 60.4 90.6
138 129.6 104.4 156.6



#49
Acenaphthylene
Concen: 25.696 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 152 Resp: 790024
Ion Ratio Lower Upper
152 100
151 20.7 17.0 25.6
153 13.0 11.2 16.8

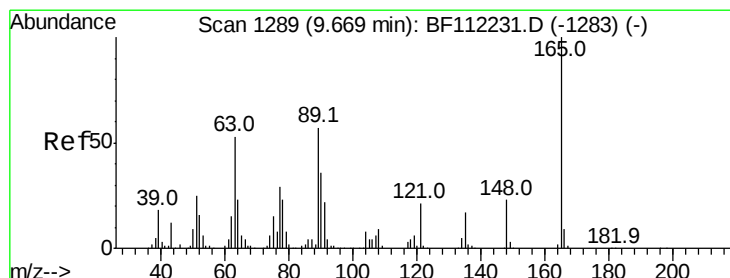
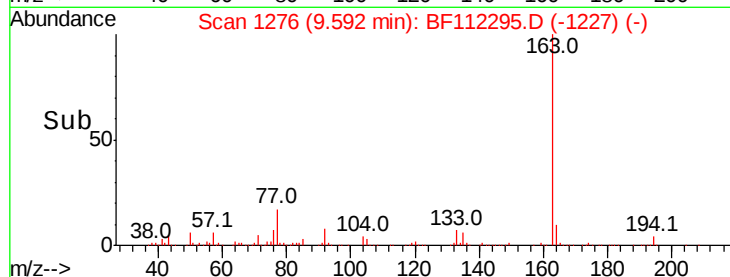
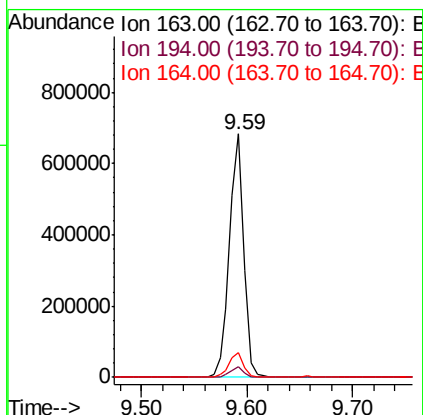
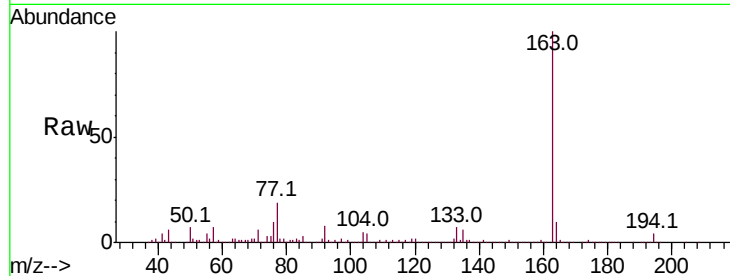




#50
Dimethylphthalate
Concen: 26.502 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

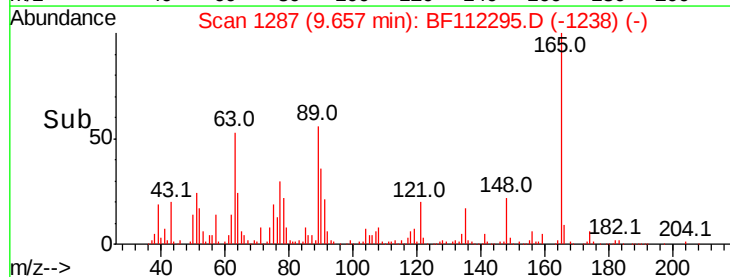
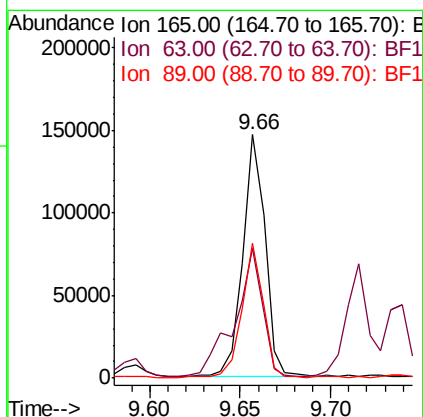
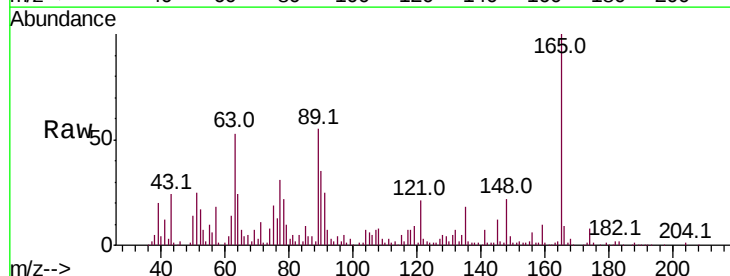
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

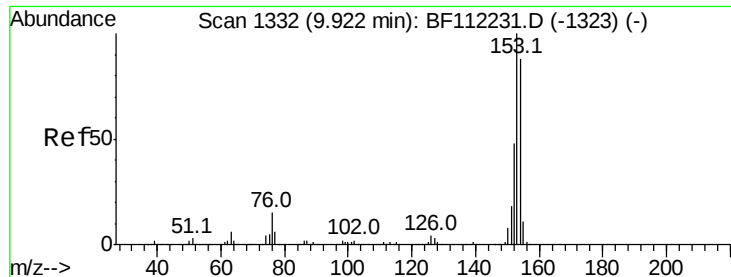
Tot Ion:163 Resp: 637101
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 23.182 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:165 Resp: 124811
Ion Ratio Lower Upper
165 100
63 53.4 33.8 50.8#
89 55.3 36.9 55.3





#52

Acenaphthene

Concen: 24.284 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

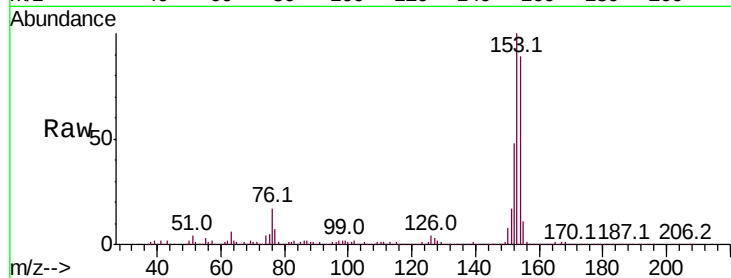
Tot Ion:154 Resp: 446014

Ion Ratio Lower Upper

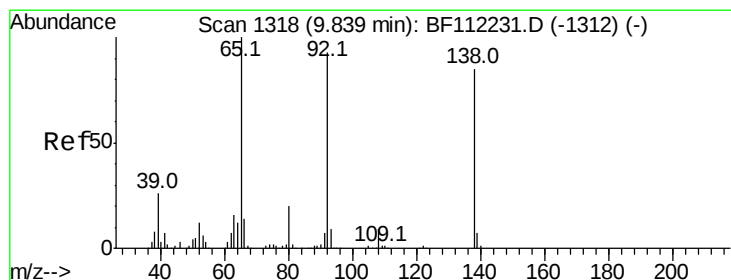
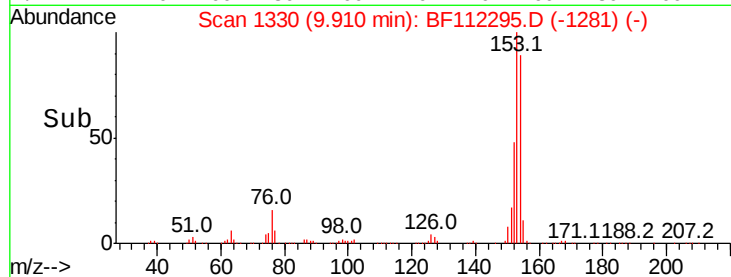
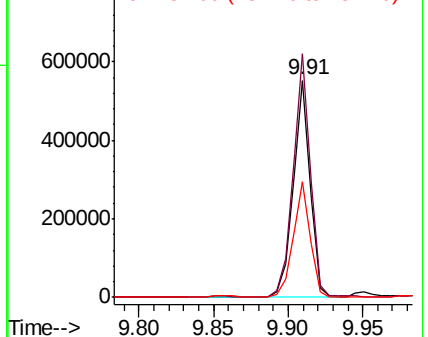
154 100

153 112.2 89.8 134.6

152 53.4 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 16.199 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

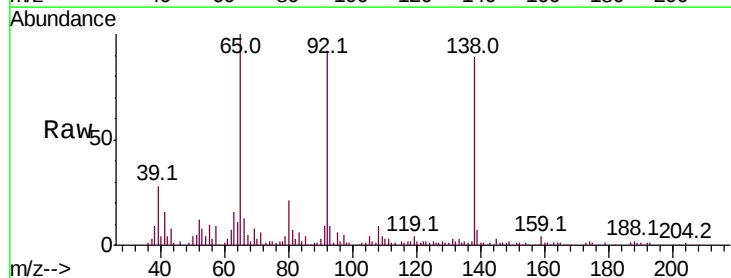
Tgt Ion:138 Resp: 94490

Ion Ratio Lower Upper

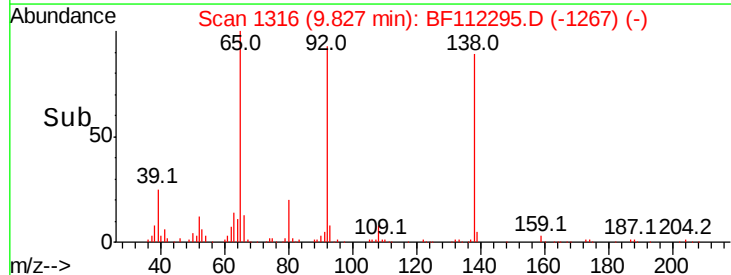
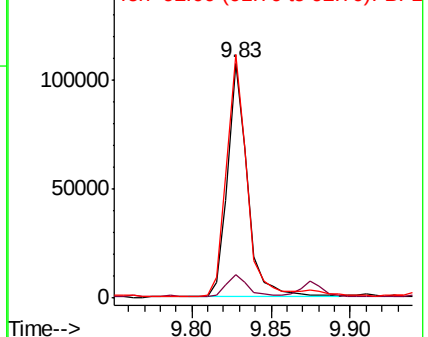
138 100

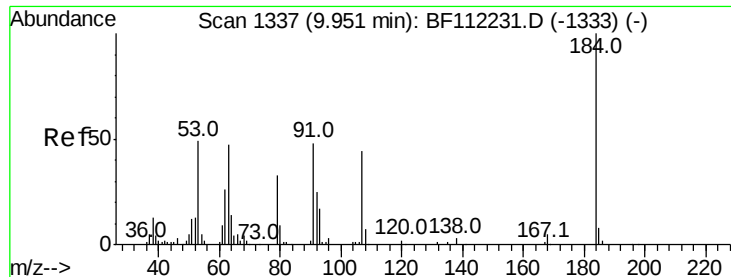
108 10.1 9.8 14.6

92 103.6 79.4 119.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

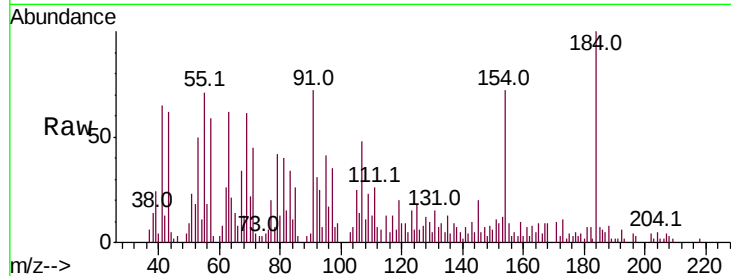




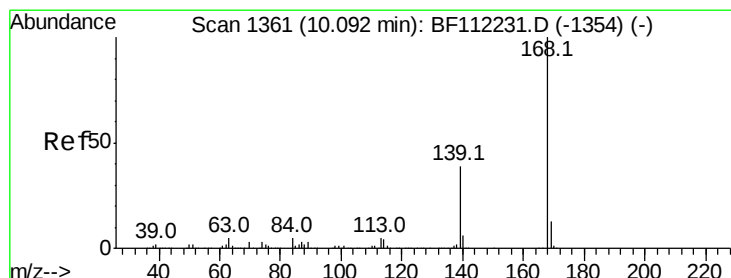
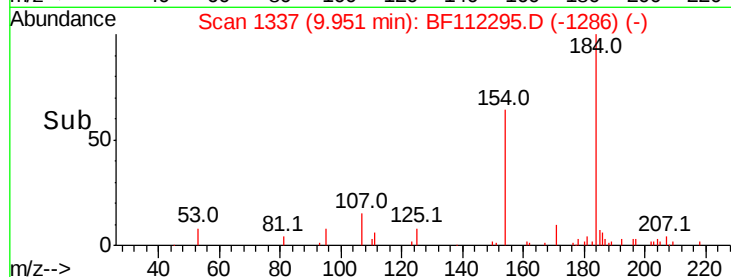
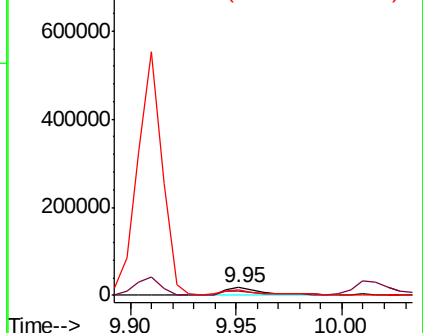
#54
2,4-Dinitrophenol
Concen: 14.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:184 Resp: 24191
Ion Ratio Lower Upper
184 100
63 61.5 47.1 70.7
154 71.6 48.9 73.3

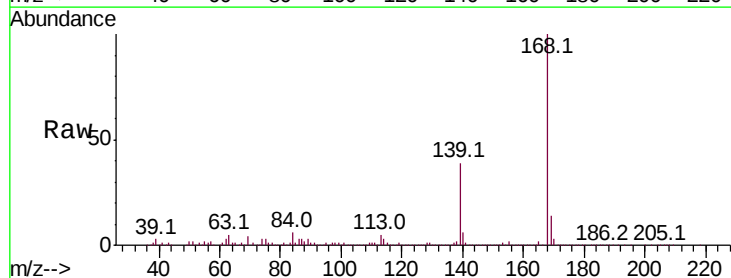


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

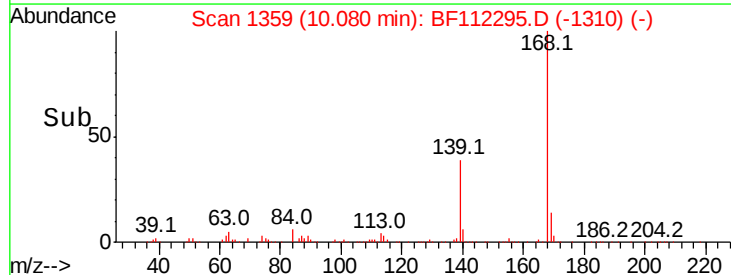
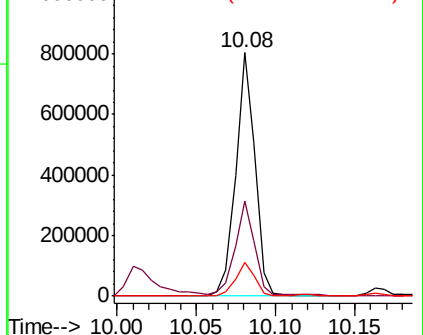


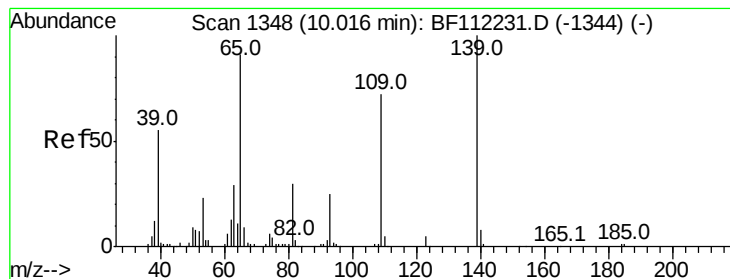
#55
Dibenzofuran
Concen: 23.950 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:168 Resp: 672215
Ion Ratio Lower Upper
168 100
139 39.2 29.2 43.8
169 13.9 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 40.626 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

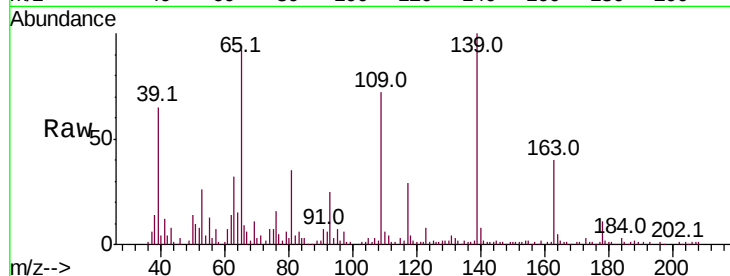
Tot Ion:139 Resp: 125284

Ion Ratio Lower Upper

139 100

109 71.7 42.8 82.8

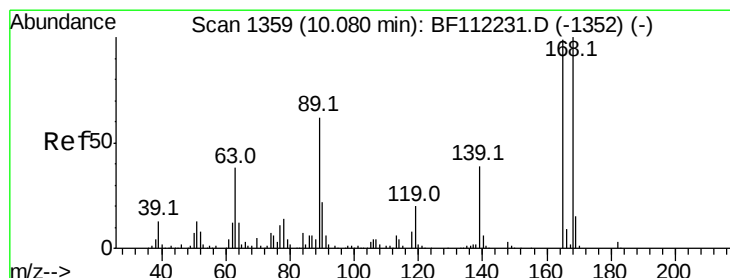
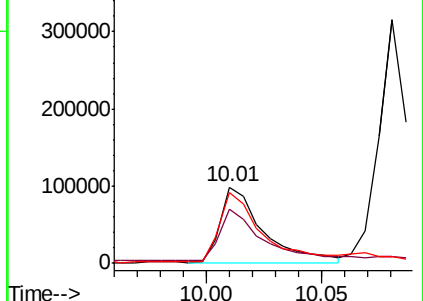
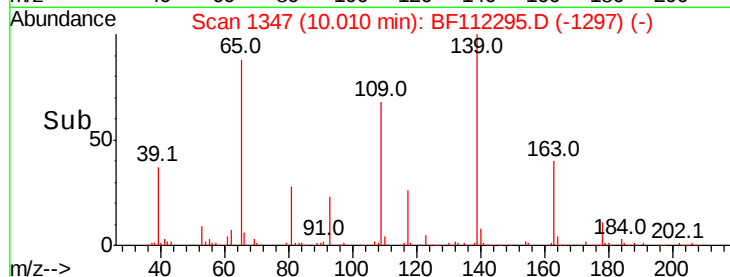
65 92.3 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 23.191 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:165 Resp: 158960

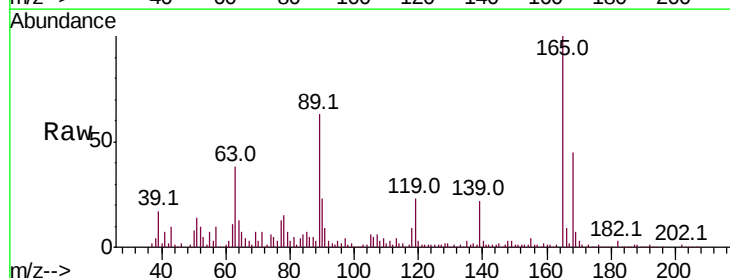
Ion Ratio Lower Upper

165 100

63 38.3 27.9 41.9

89 62.5 47.9 71.9

182 3.0 2.2 3.4

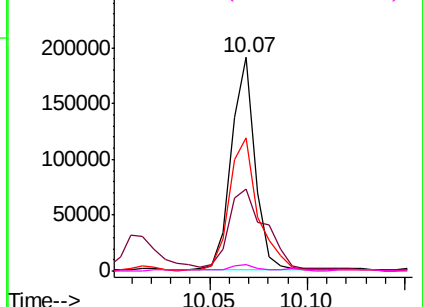
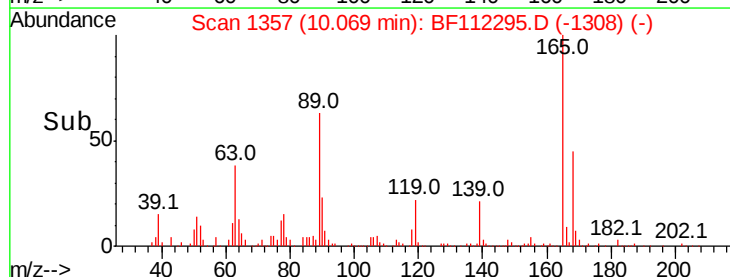


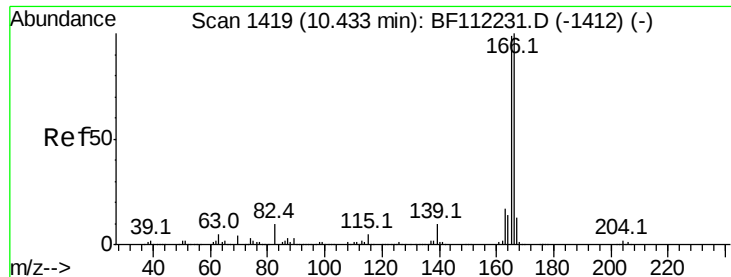
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 26.279 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

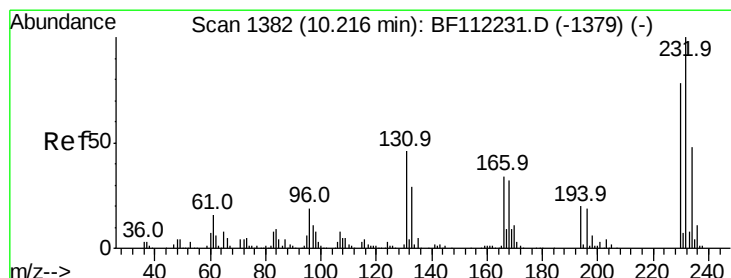
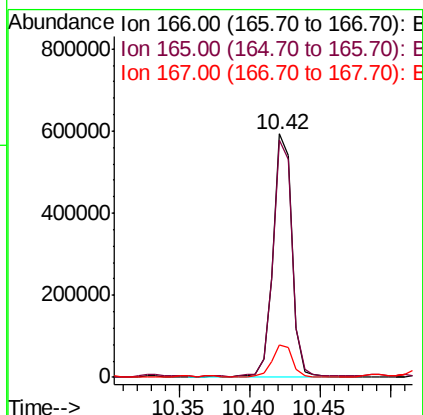
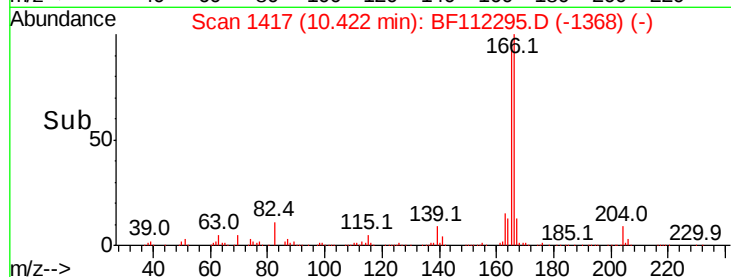
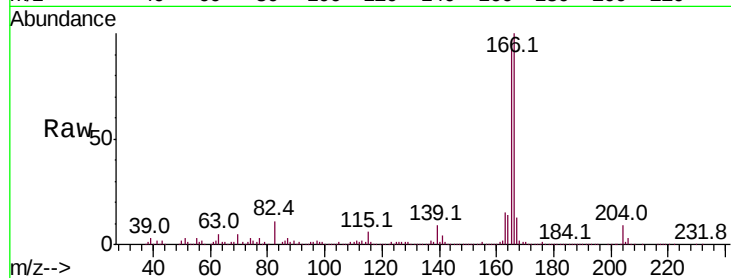
Tot Ion:166 Resp: 551941

Ion Ratio Lower Upper

166 100

165 97.5 77.1 115.7

167 13.3 11.3 16.9



#59

2,3,4,6-Tetrachlorophenol

Concen: 23.302 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:232 Resp: 115250

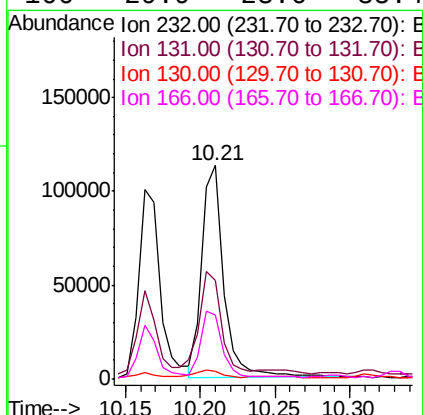
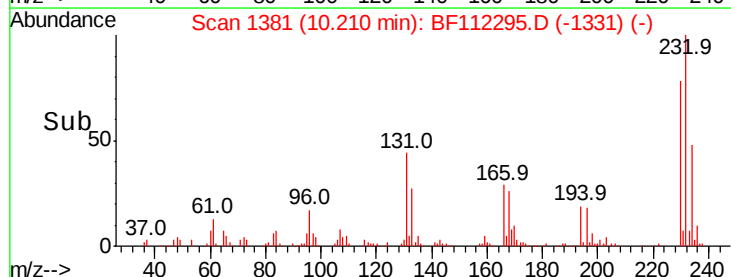
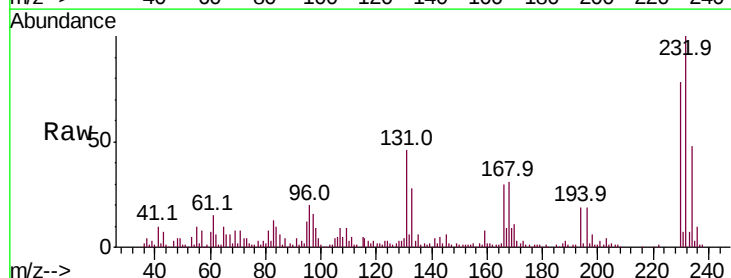
Ion Ratio Lower Upper

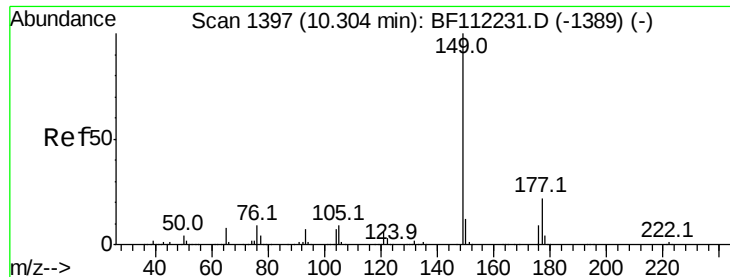
232 100

131 46.4 33.9 50.9

130 3.8 1.8 2.6#

166 29.9 23.6 35.4





#60

Diethylphthalate

Concen: 23.720 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

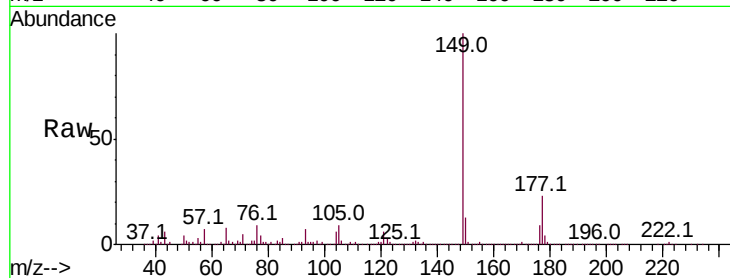
BNA_F

ClientSampleId :

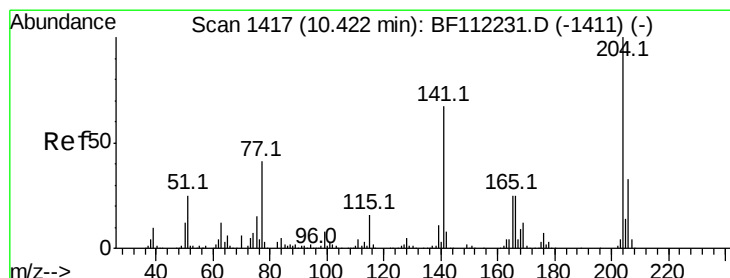
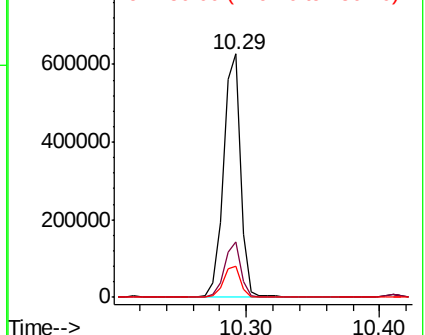
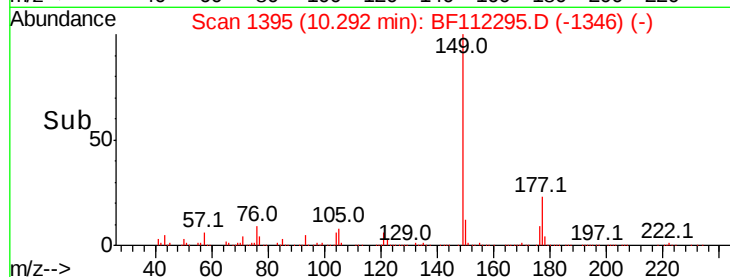
HD-01-012819MSD

Tot Ion:149 Resp: 565891

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.5	10.4	15.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#61

4-Chlorophenyl-phenylether

Concen: 22.258 ng

RT: 10.41 min Scan# 1415

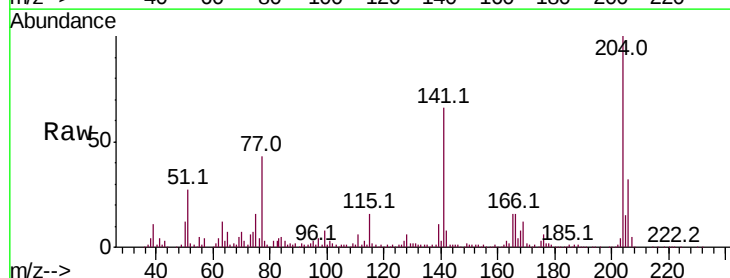
Delta R.T. -0.01 min

Lab File: BF112295.D

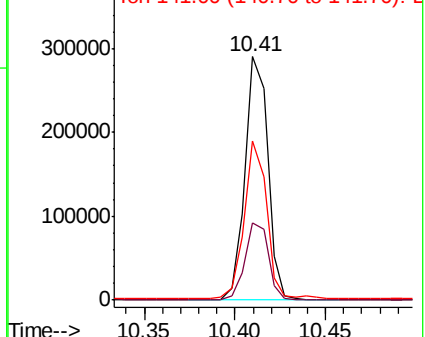
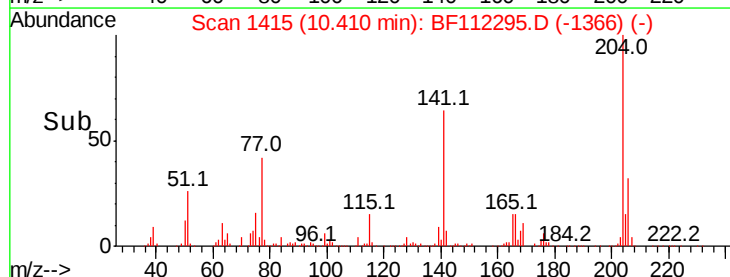
Acq: 29 Jan 2019 15:16

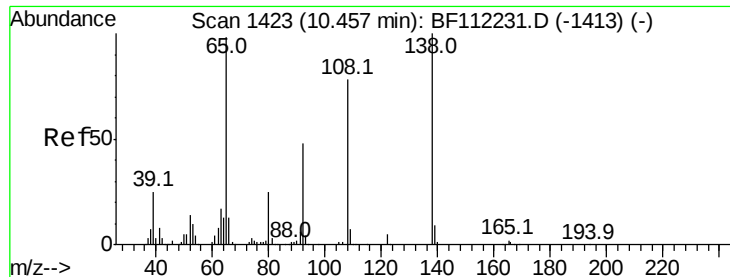
Tgt Ion:204 Resp: 254295

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.5	39.7
141	65.5	45.9	68.9



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 19.751 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.02 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

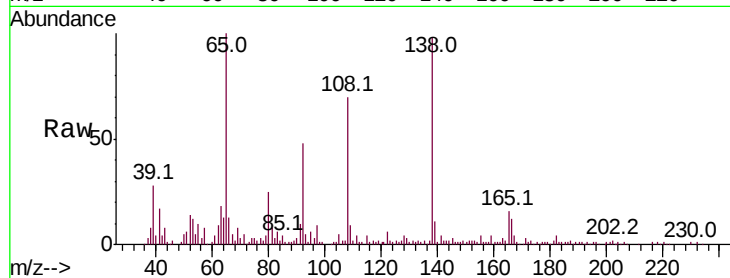
Tot Ion:138 Resp: 113003

Ion Ratio Lower Upper

138 100

92 49.0 30.6 70.6

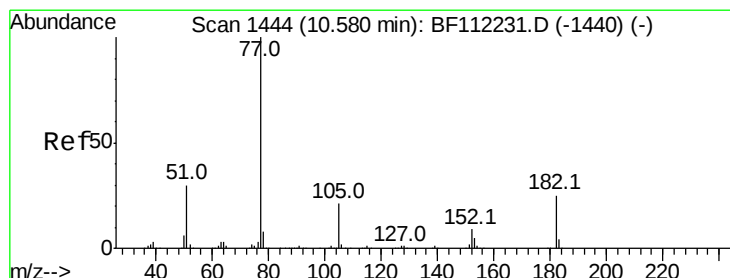
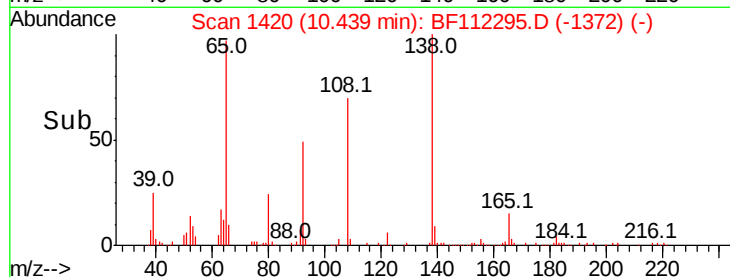
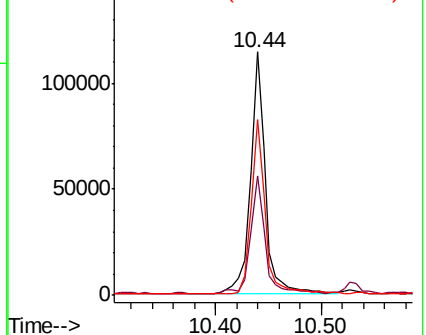
108 72.1 50.0 90.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 22.161 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion: 77 Resp: 464980

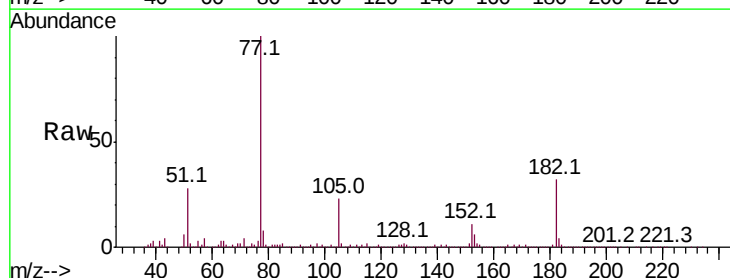
Ion Ratio Lower Upper

77 100

182 32.5 5.7 45.7

105 23.1 1.4 41.4

51 28.2 9.5 49.5

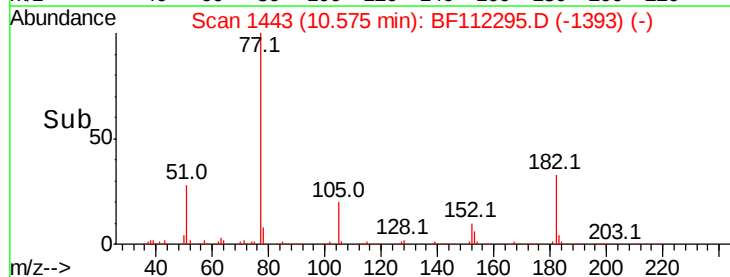
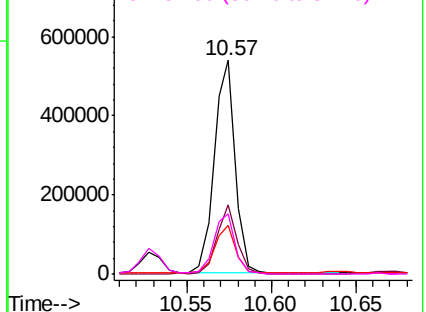


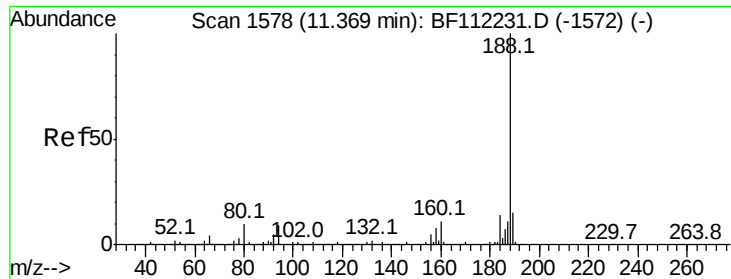
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

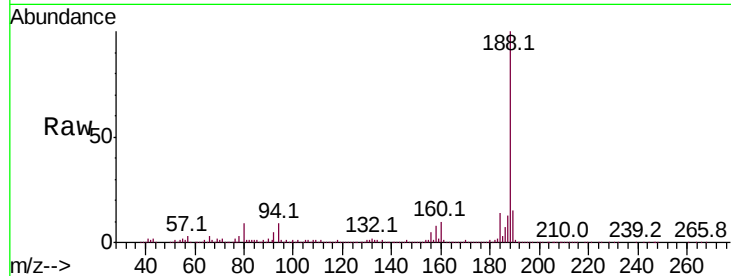




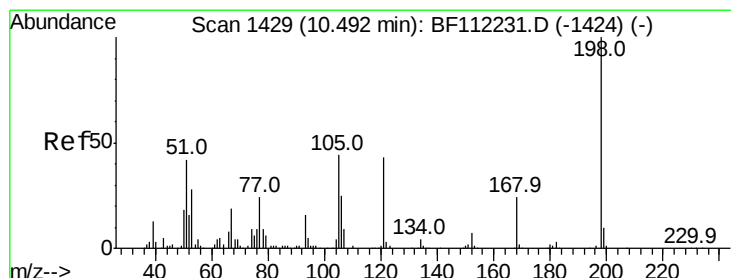
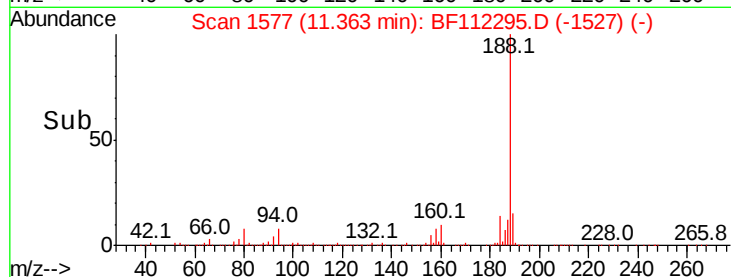
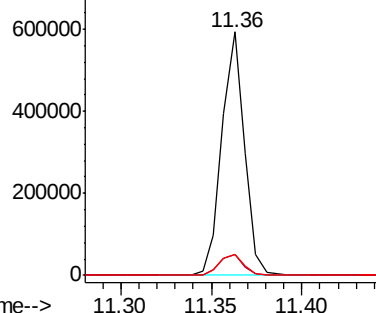
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tot Ion:188 Resp: 516116
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 8.7 8.9 13.3#

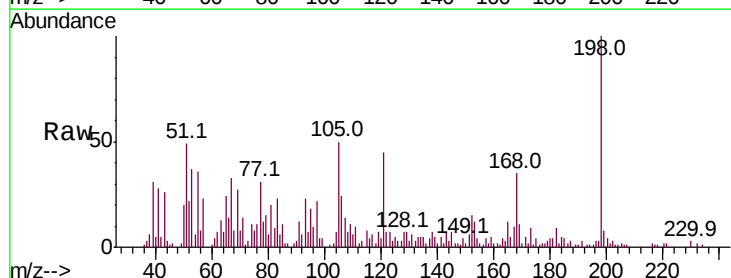


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

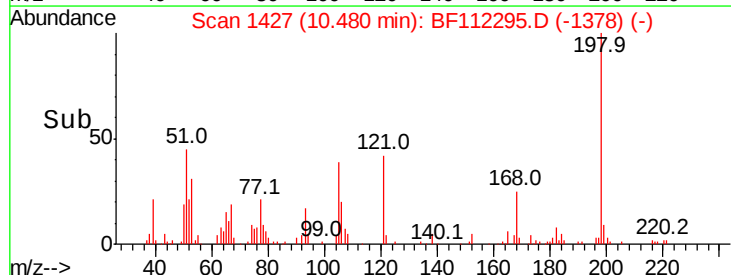
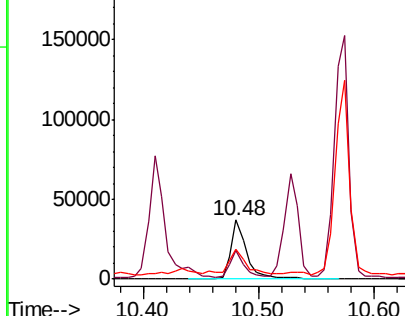


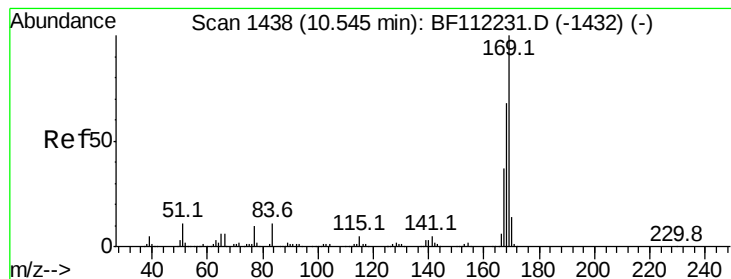
#65
4,6-Dinitro-2-methylphenol
Concen: 12.341 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:198 Resp: 35712
Ion Ratio Lower Upper
198 100
51 48.9 17.2 57.2
105 50.1 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 26.720 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

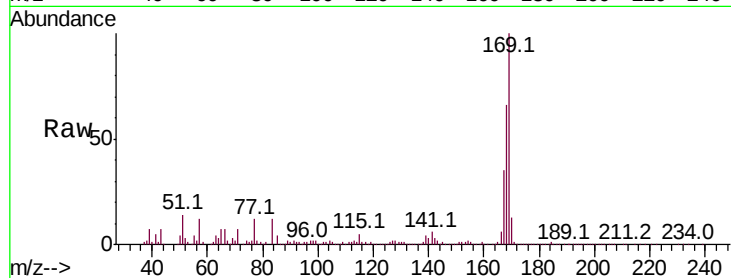
Tot Ion:169 Resp: 464791

Ion Ratio Lower Upper

169 100

168 66.4 53.9 80.9

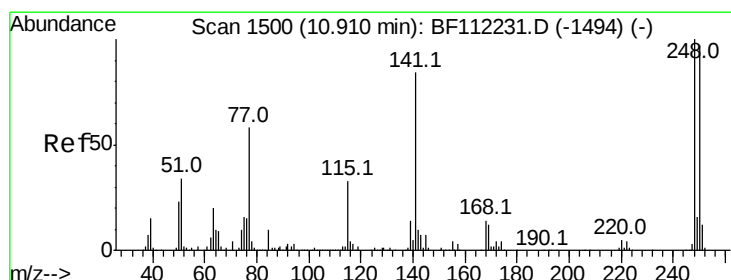
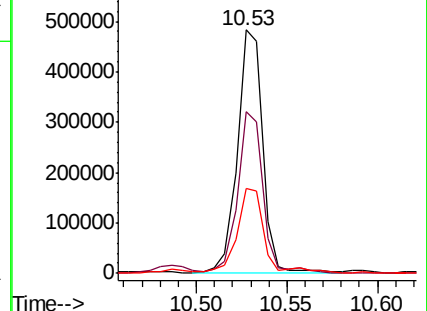
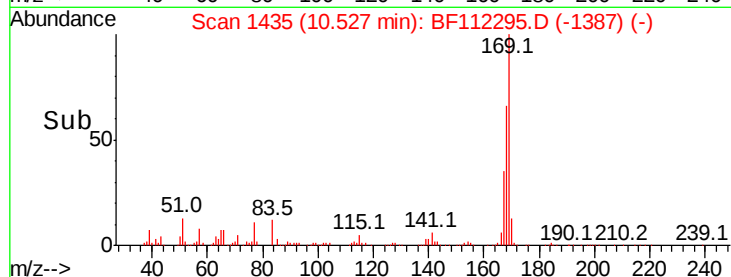
167 35.1 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 24.352 ng

RT: 10.90 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

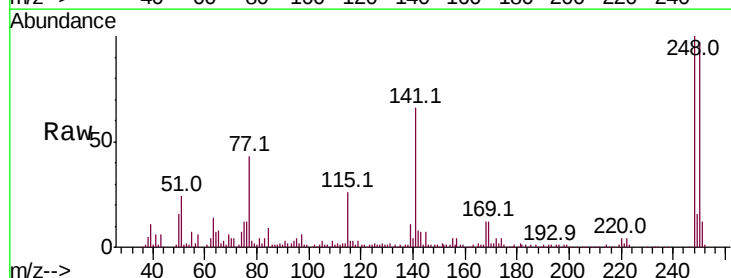
Tgt Ion:248 Resp: 147826

Ion Ratio Lower Upper

248 100

250 96.7 79.7 119.5

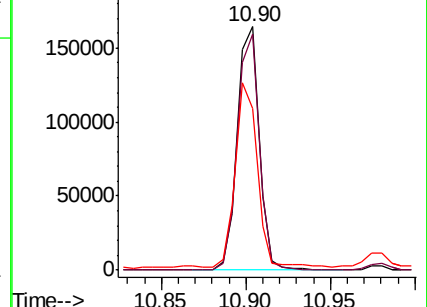
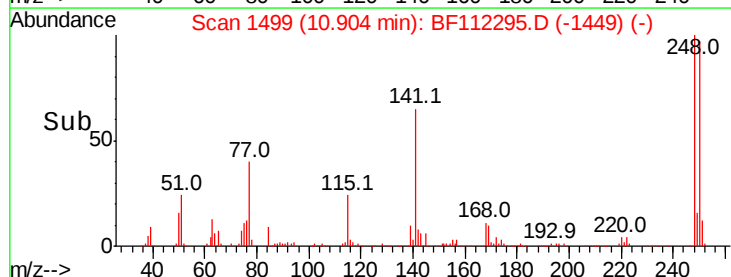
141 66.3 60.3 90.5

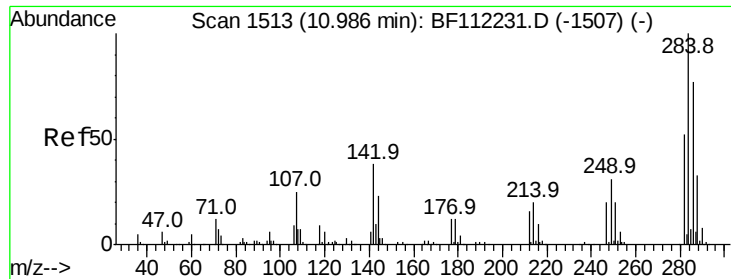


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 23.339 ng

RT: 10.98 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

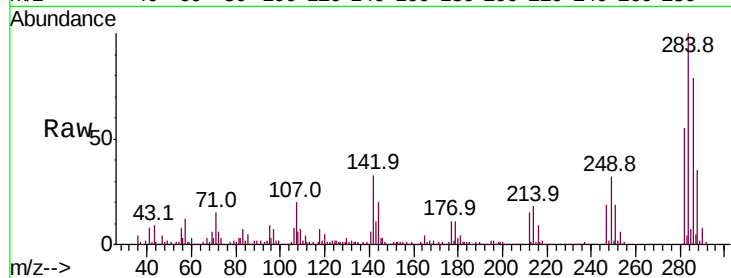
Tot Ion:284 Resp: 151996

Ion Ratio Lower Upper

284 100

142 33.1 27.6 41.4

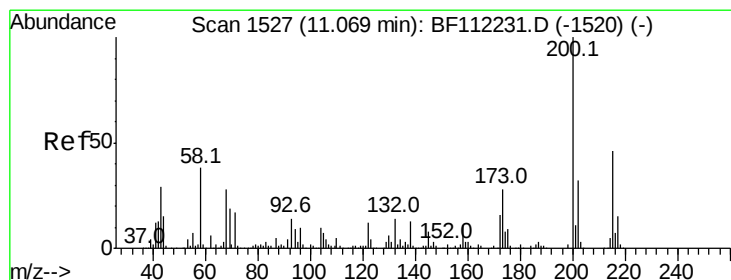
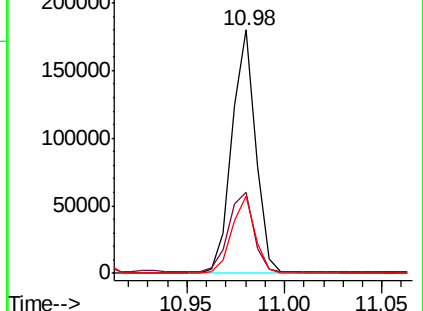
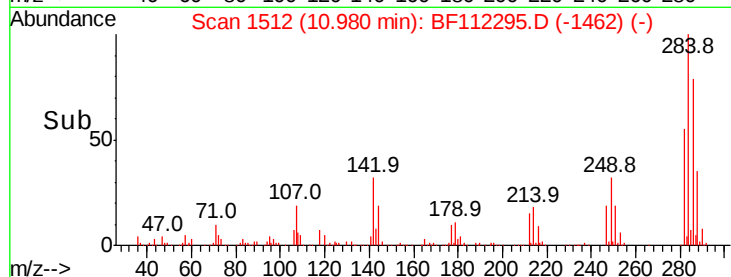
249 31.6 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 25.657 ng

RT: 11.06 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

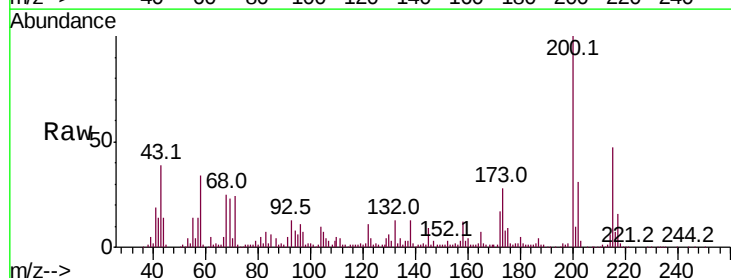
Tgt Ion:200 Resp: 144005

Ion Ratio Lower Upper

200 100

173 27.7 7.1 47.1

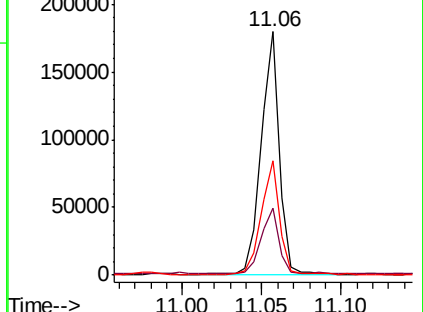
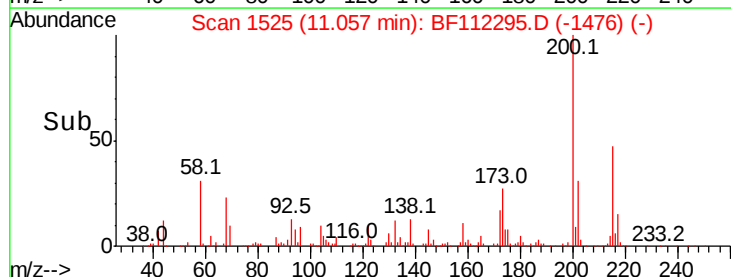
215 47.2 30.4 70.4

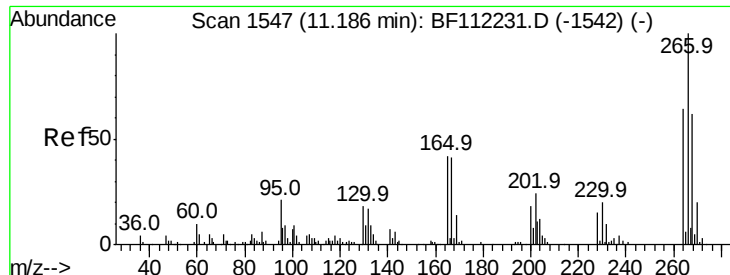


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

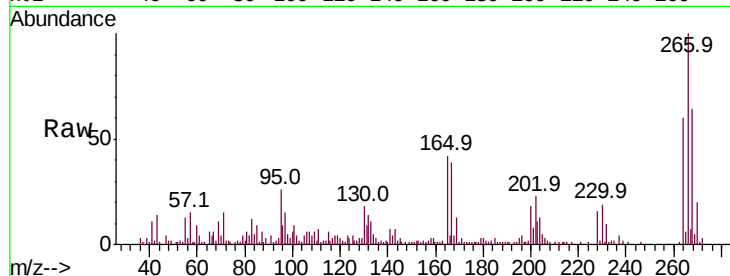




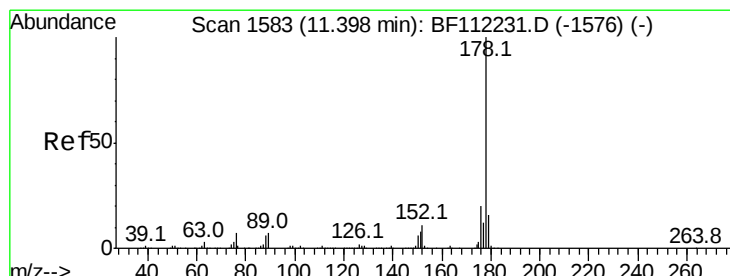
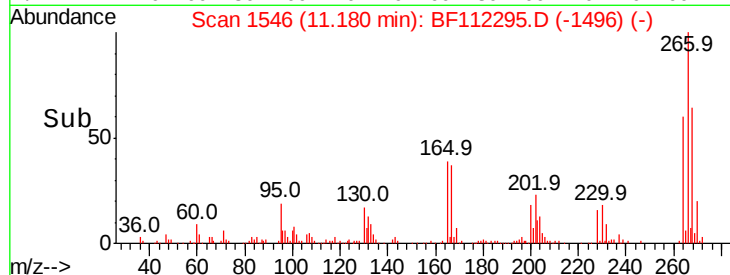
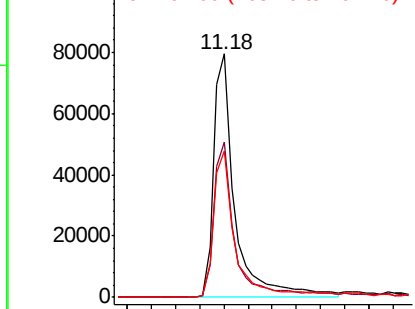
#70
 Pentachlorophenol
 Concen: 37.990 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.2	76.8
264	60.3	50.9	76.3

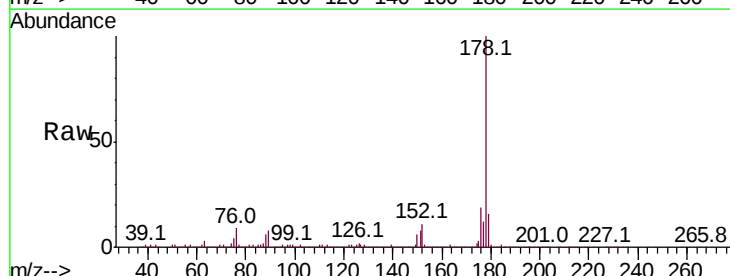


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

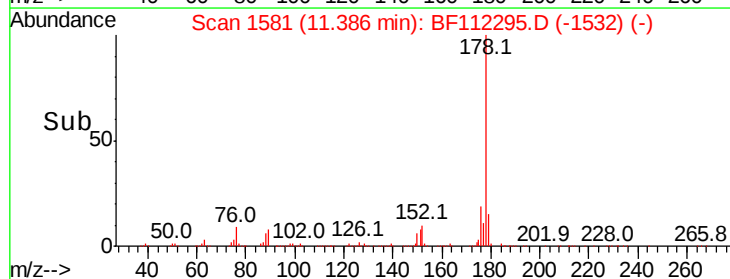
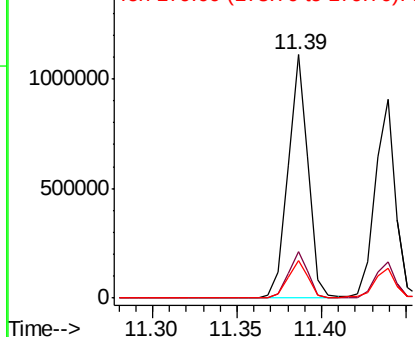


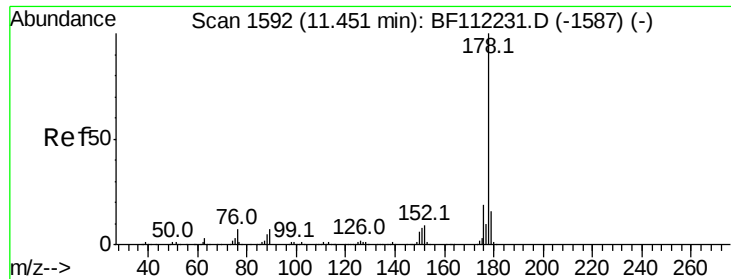
#71
 Phenanthrene
 Concen: 34.036 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.7	13.0	19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 28.570 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

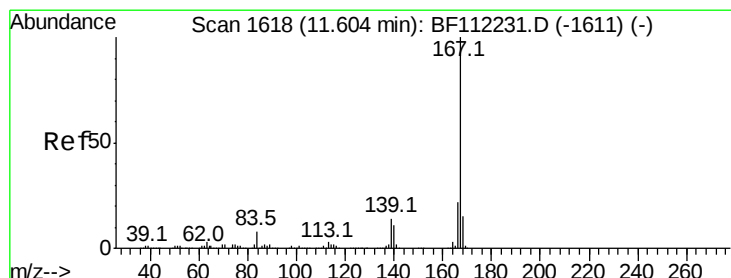
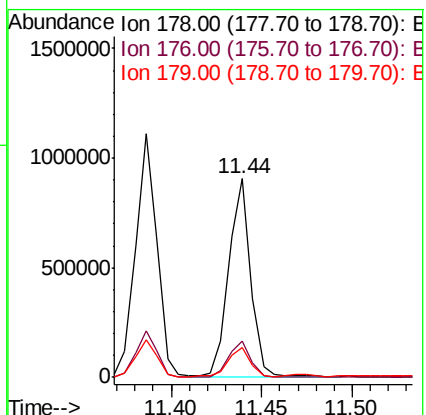
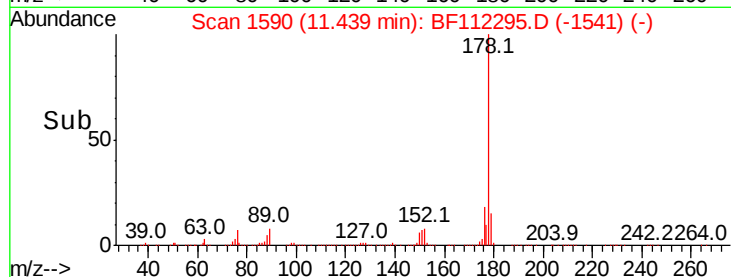
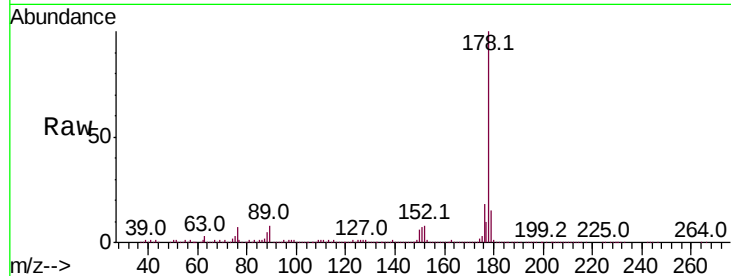
BNA_F

ClientSampleId :

HD-01-012819MSD

Tot Ion:178 Resp: 763625

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.2	12.8	19.2



#73

Carbazole

Concen: 22.890 ng

RT: 11.59 min Scan# 1616

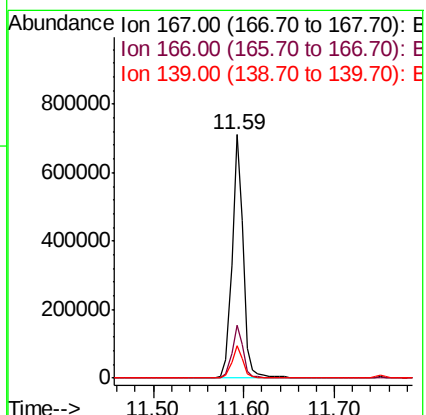
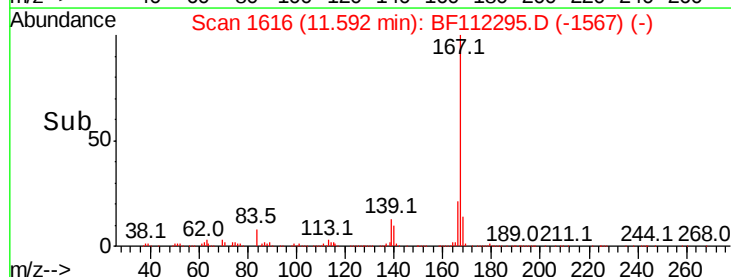
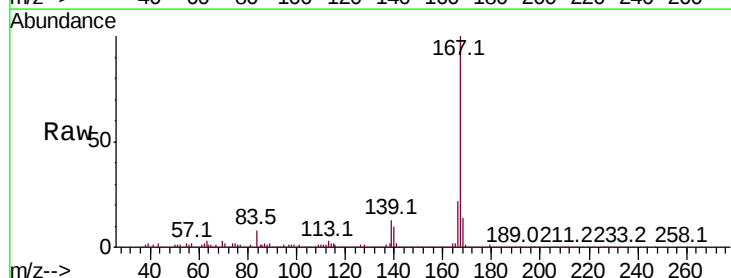
Delta R.T. -0.01 min

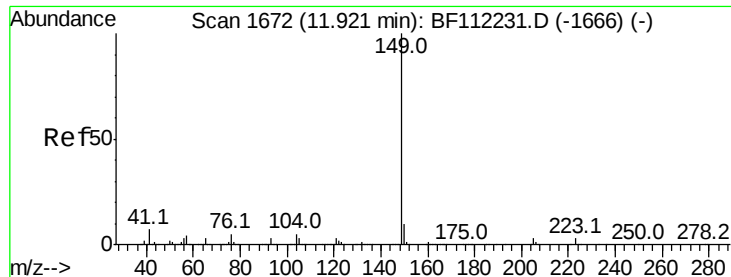
Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:167 Resp: 603506

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	13.2	10.2	15.2





#74

Di-n-butylphthalate

Concen: 24.237 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

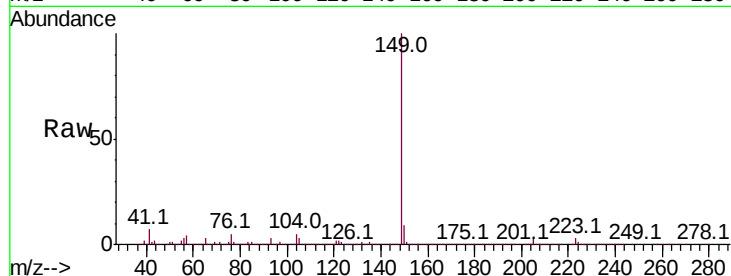
Tot Ion:149 Resp: 793165

Ion Ratio Lower Upper

149 100

150 8.8 8.1 12.1

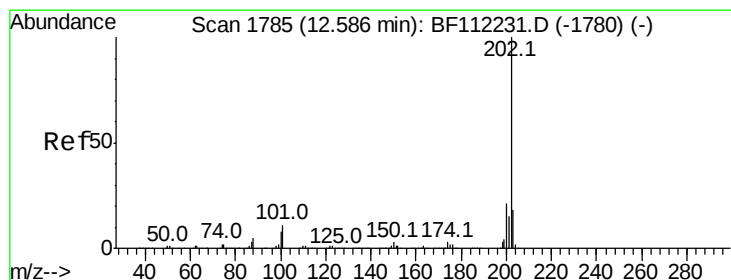
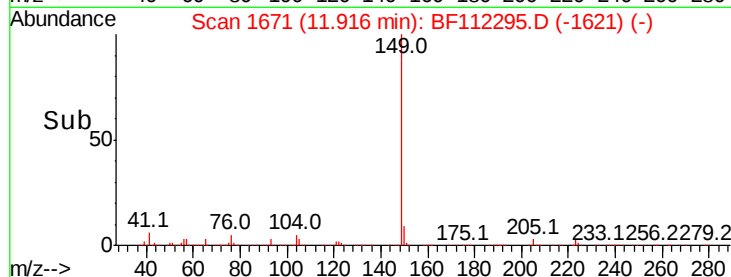
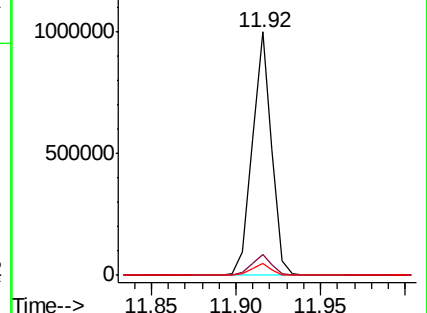
104 4.7 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 31.517 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

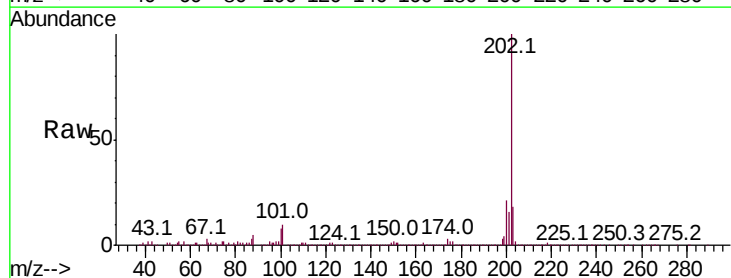
Tgt Ion:202 Resp: 907031

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.8

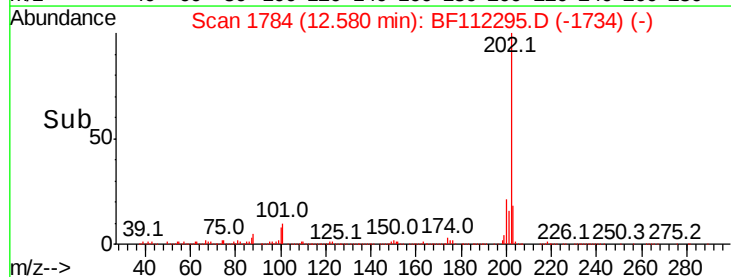
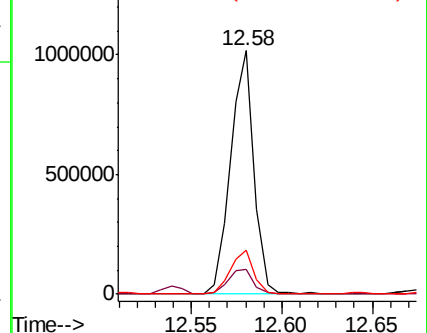
203 17.9 0.0 38.4

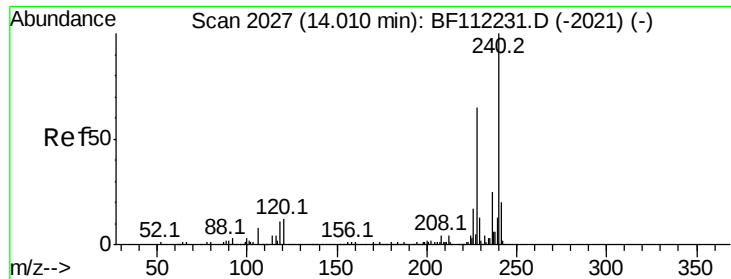


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

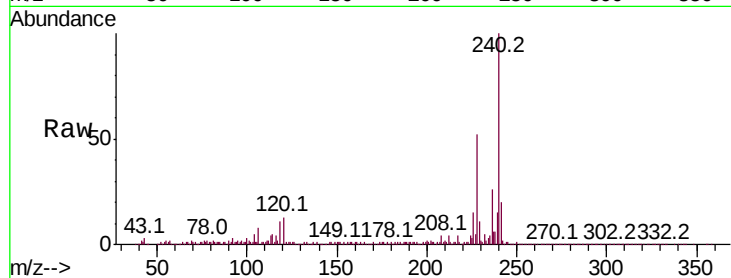
Tot Ion:240 Resp: 390654

Ion Ratio Lower Upper

240 100

120 12.7 9.0 13.6

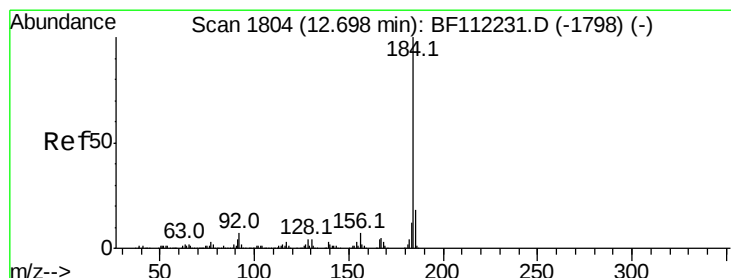
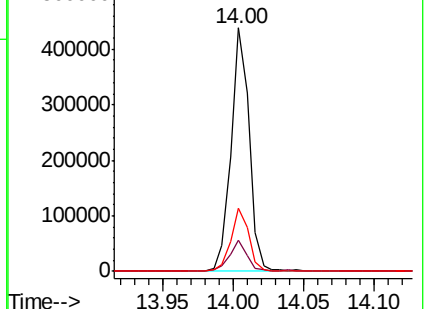
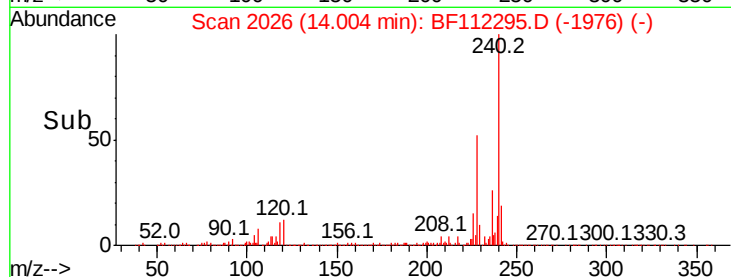
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 29.754 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

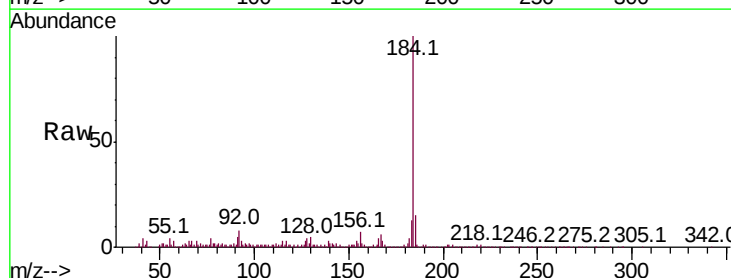
Tgt Ion:184 Resp: 319916

Ion Ratio Lower Upper

184 100

185 15.2 13.9 20.9

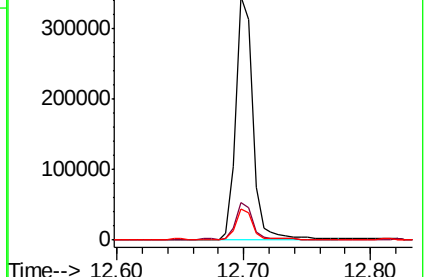
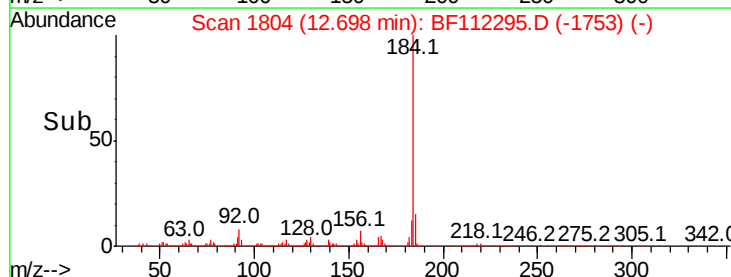
183 12.6 10.0 15.0

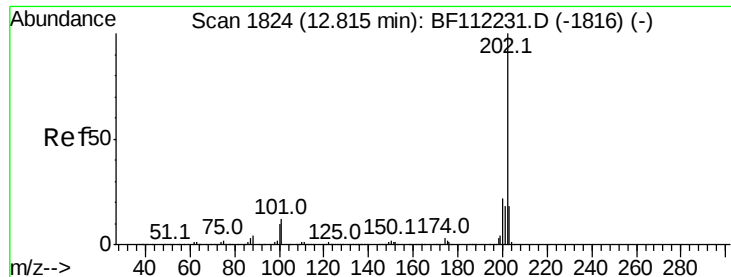


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 34.814 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

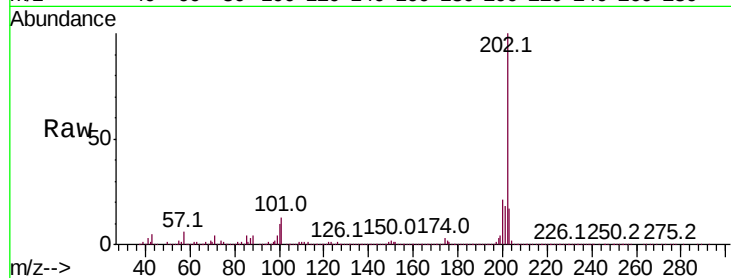
Tot Ion:202 Resp: 941611

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

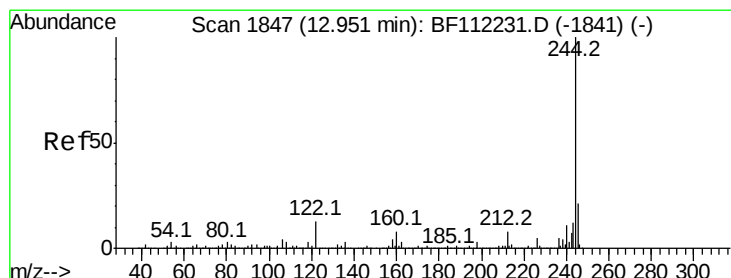
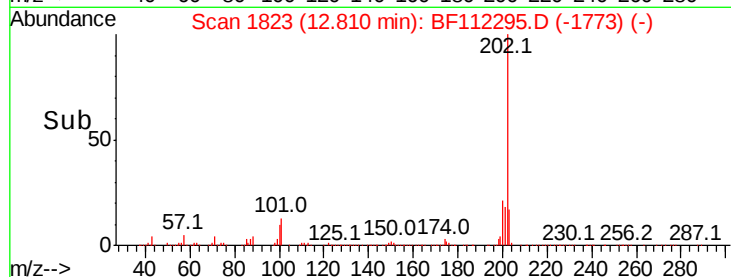
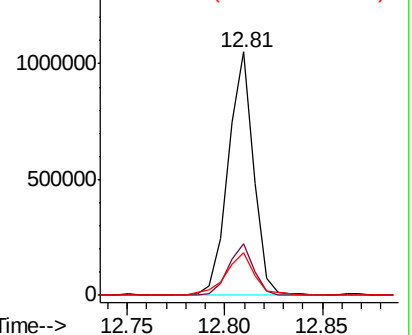
203 17.4 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 42.361 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

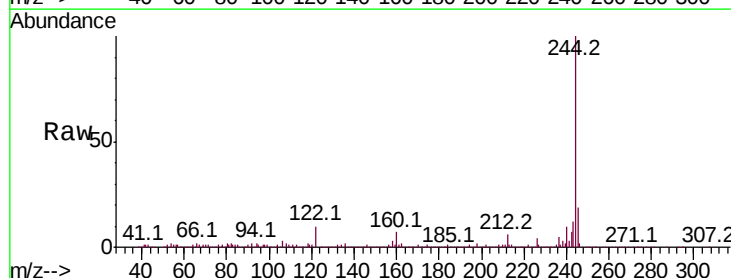
Tgt Ion:244 Resp: 878626

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

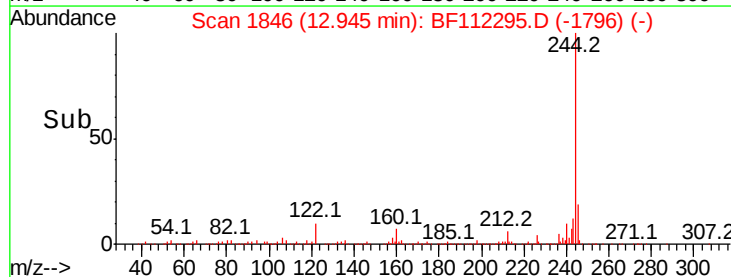
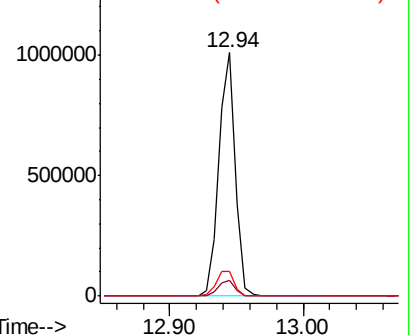
122 10.3 9.8 14.6

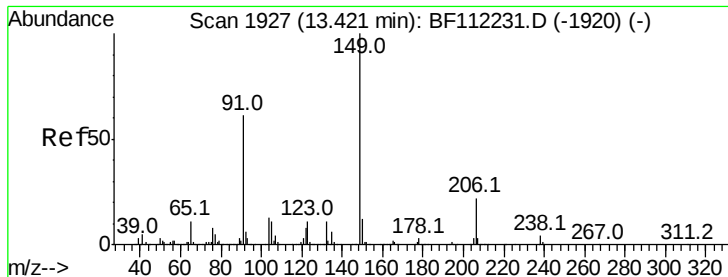


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

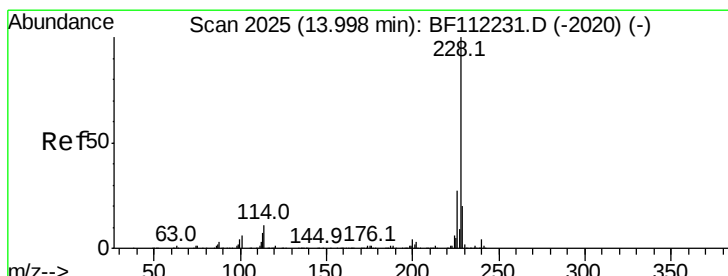
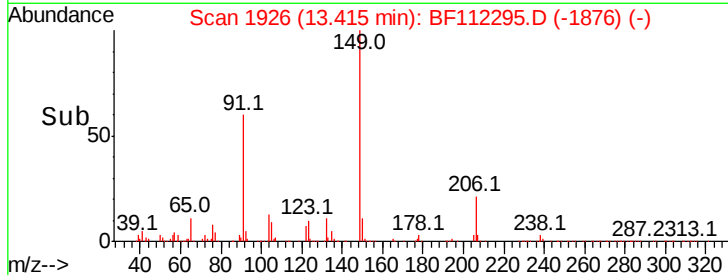
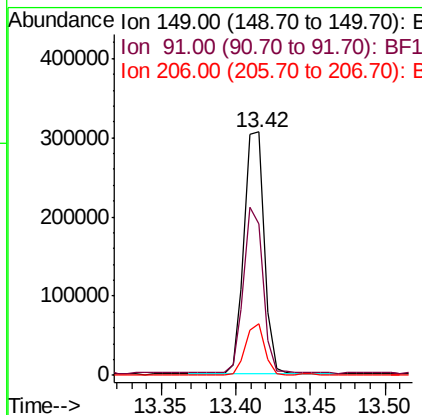
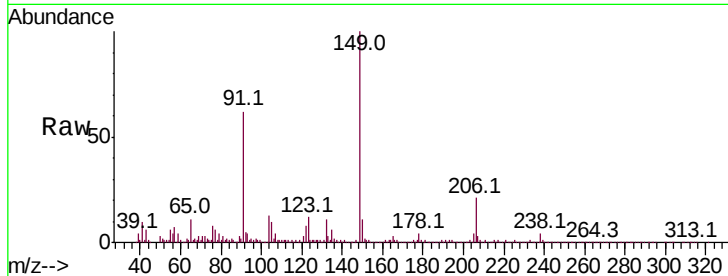




#80
 Butylbenzylphthalate
 Concen: 22.053 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

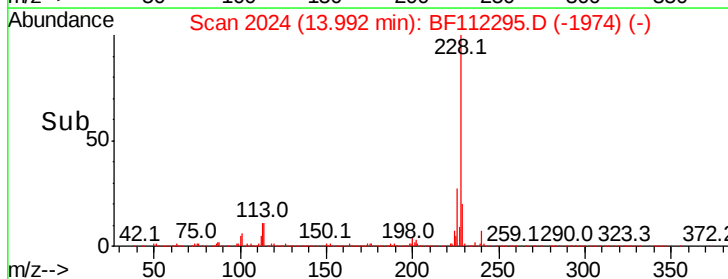
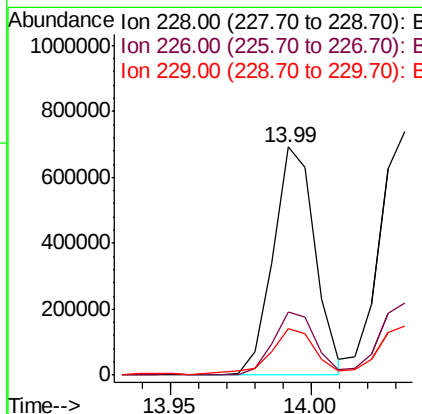
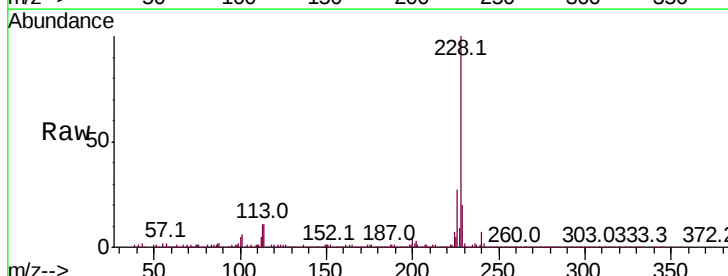
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

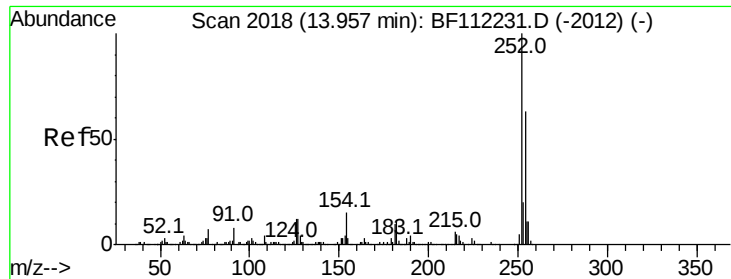
Tot Ion:	149	Resp:	288573
Ion	Ratio	Lower	Upper
149	100		
91	62.5	50.3	75.5
206	21.2	18.2	27.4



#81
 Benzo(a)anthracene
 Concen: 30.791 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:	228	Resp:	707095
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	34.0
229	20.4	16.5	24.7





#82

3,3'-Dichlorobenzidine

Concen: 11.444 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

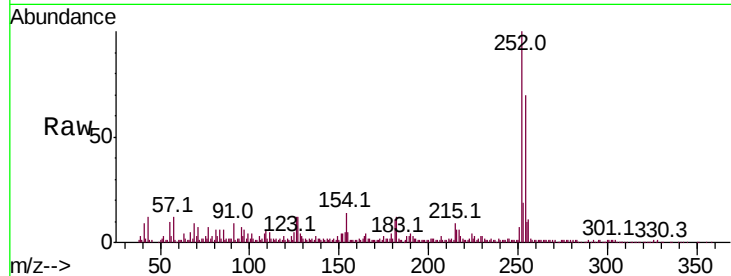
Tot Ion:252 Resp: 98351

Ion Ratio Lower Upper

252 100

254 69.7 51.6 77.4

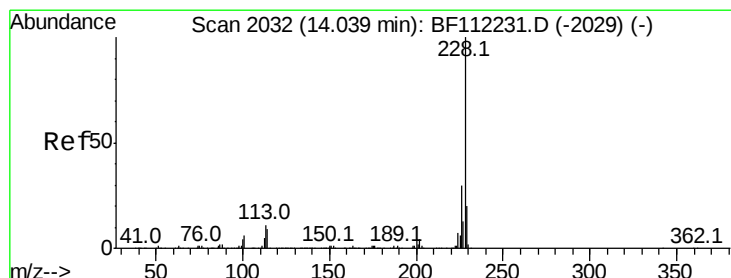
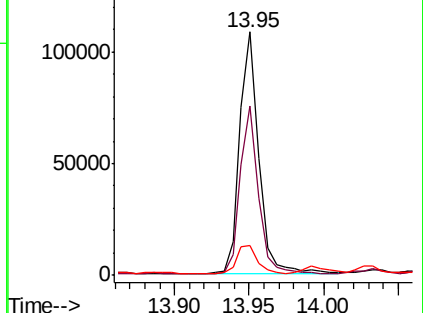
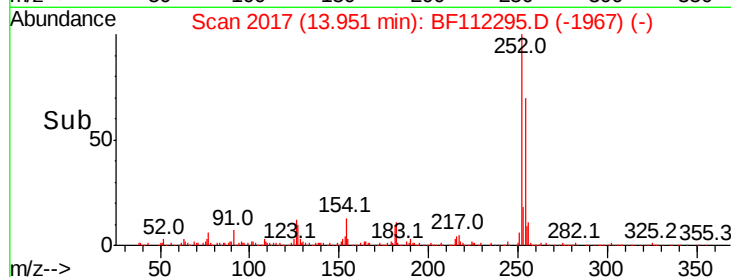
126 12.5 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 30.835 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

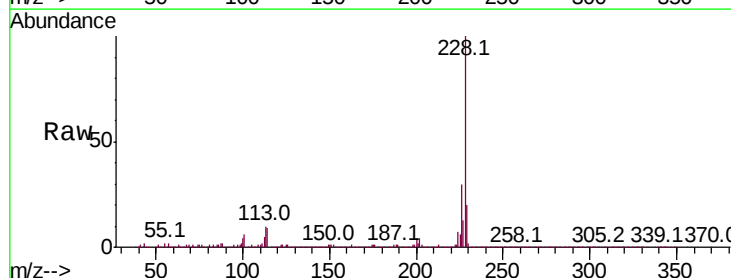
Tgt Ion:228 Resp: 675940

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

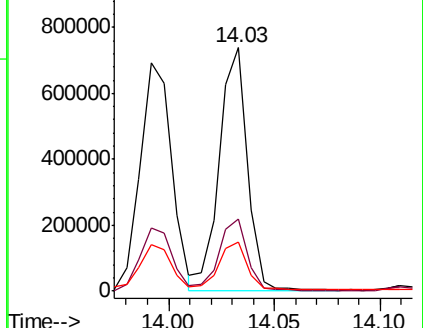
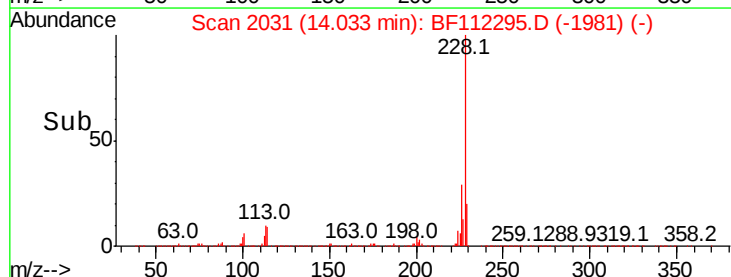
229 20.2 16.6 24.8

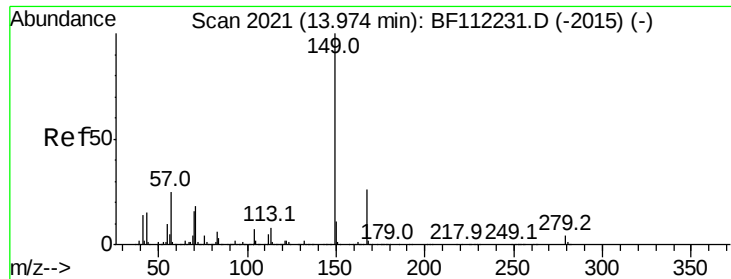


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.533 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

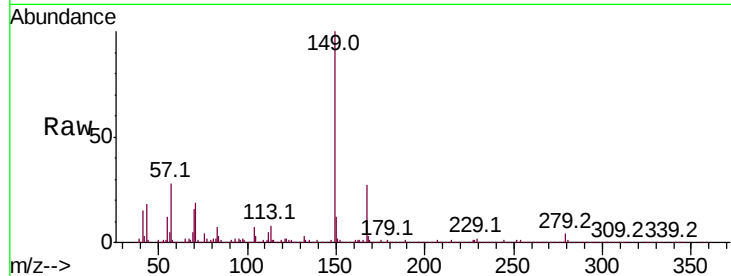
Tot Ion:149 Resp: 399971

Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

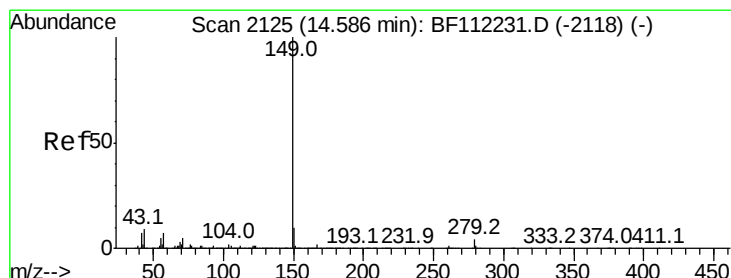
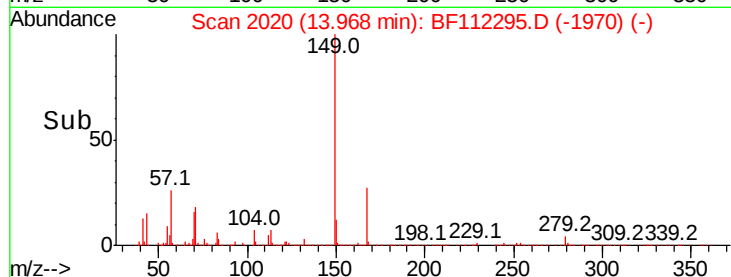
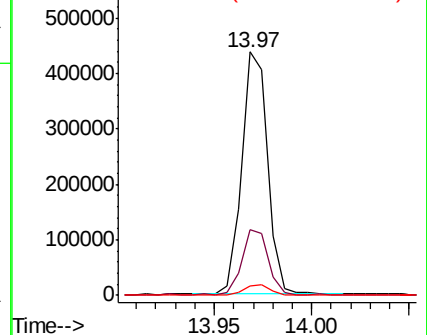
279 3.6 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 23.671 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

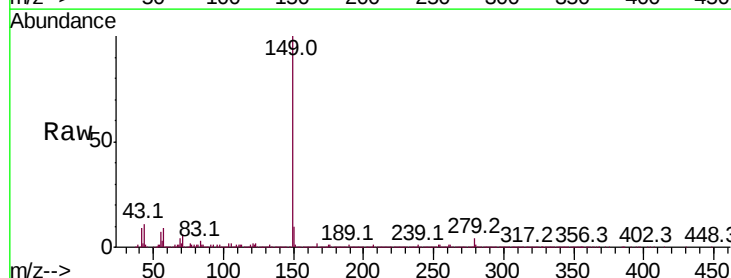
Tgt Ion:149 Resp: 676467

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

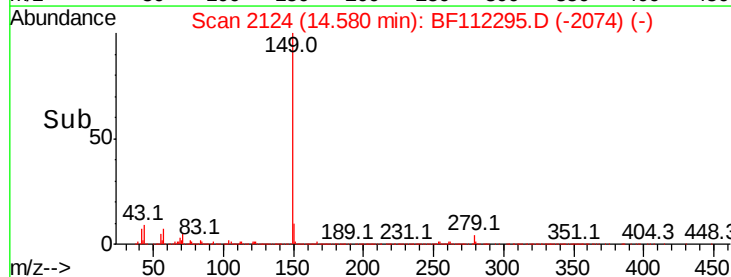
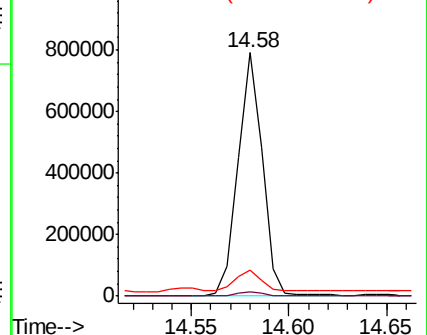
43 9.0 7.8 11.6

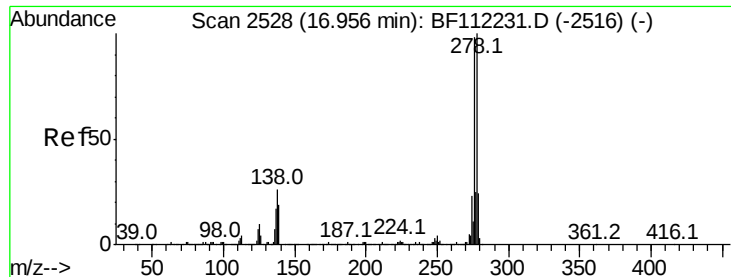


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

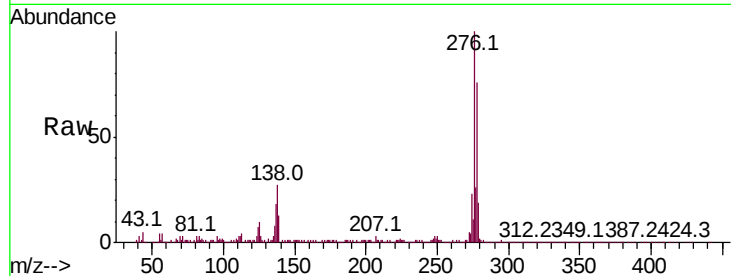




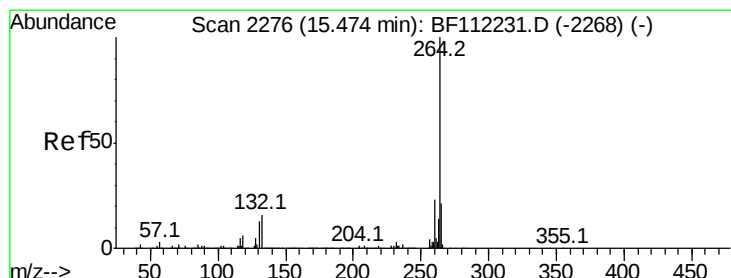
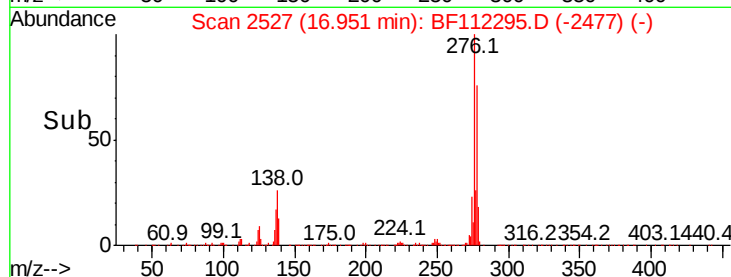
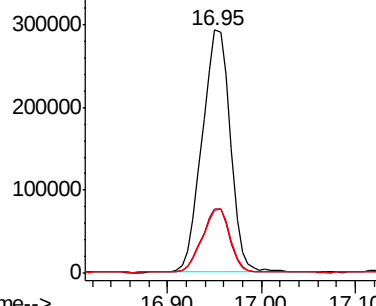
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 35.133 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.6	34.0
277	26.0	20.3	30.5

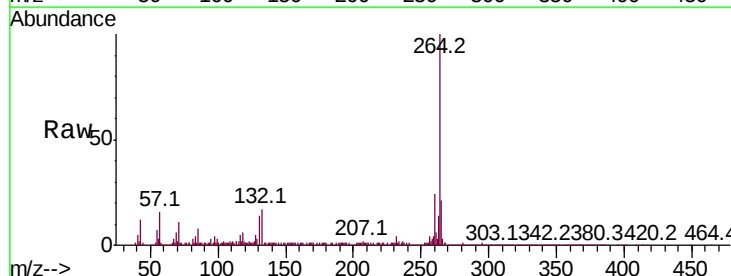


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

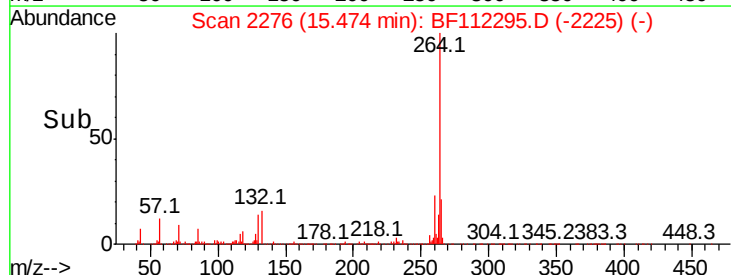
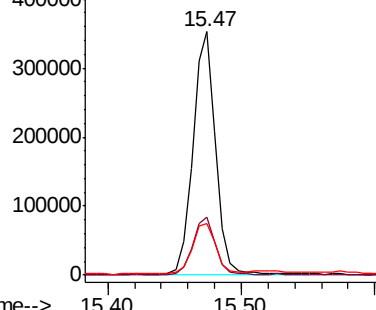


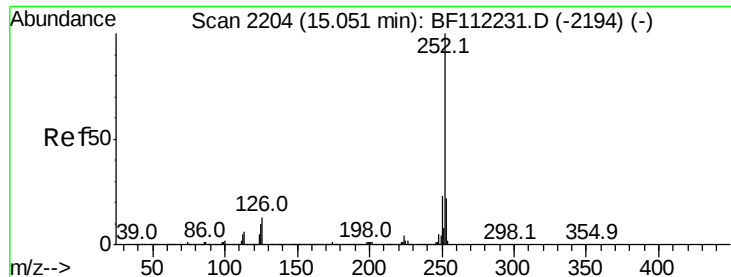
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.4	17.0	25.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

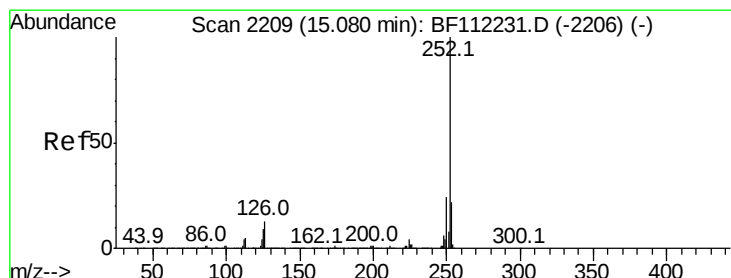
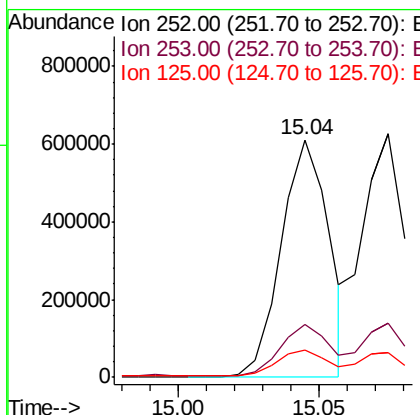
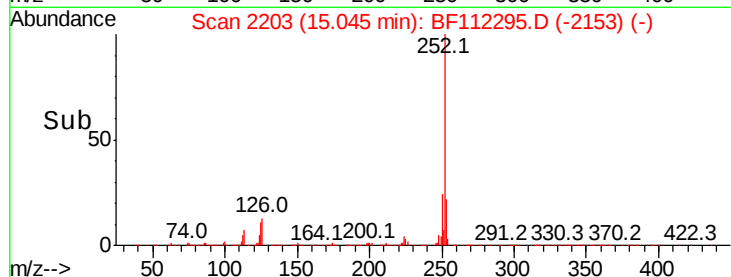
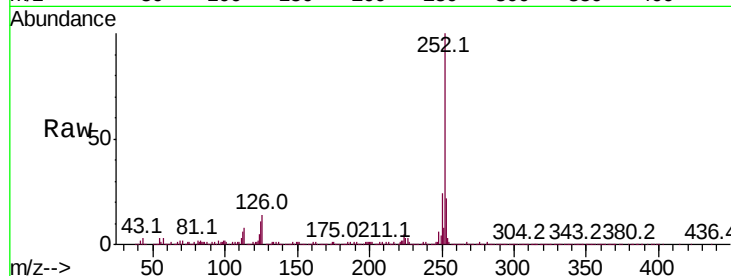




#88
Benzo(b)fluoranthene
Concen: 28.775 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

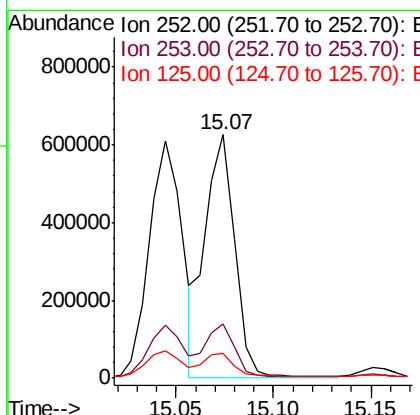
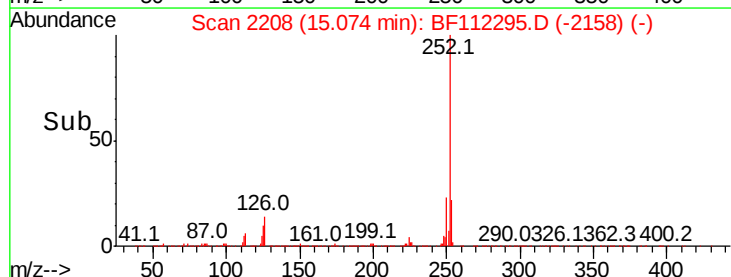
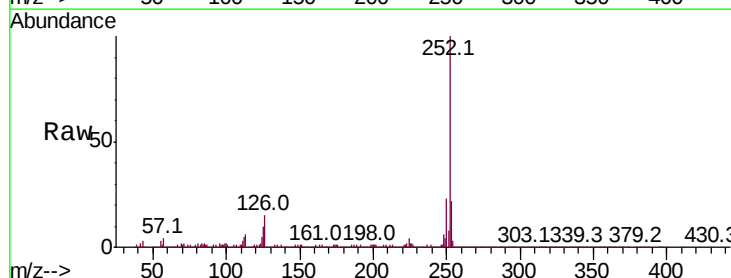
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

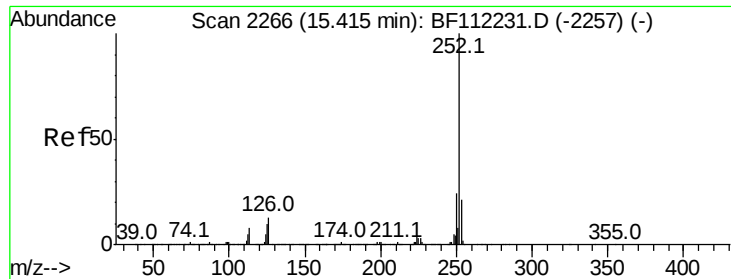
Tot Ion:252 Resp: 713513
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 11.4 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 27.700 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:252 Resp: 657922
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.4 9.1 13.7





#90

Benzo(a)pyrene

Concen: 31.530 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

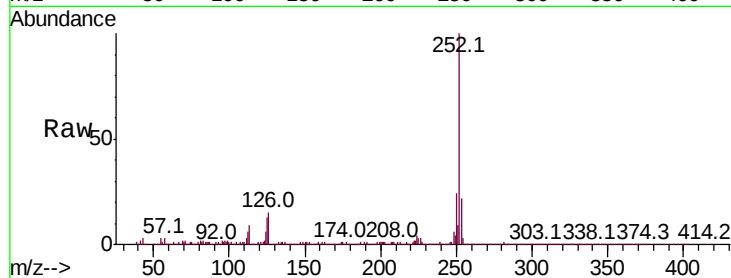
Tot Ion:252 Resp: 703494

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

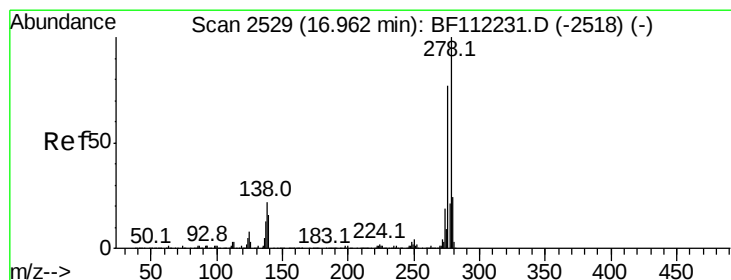
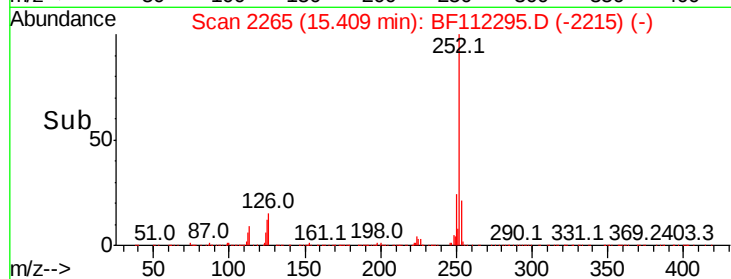
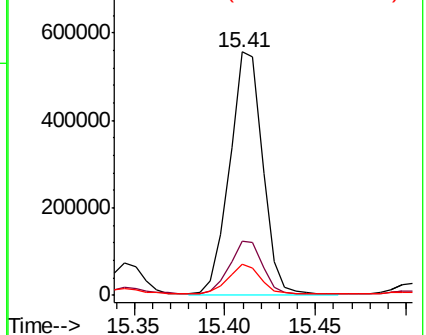
125 12.8 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 26.308 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

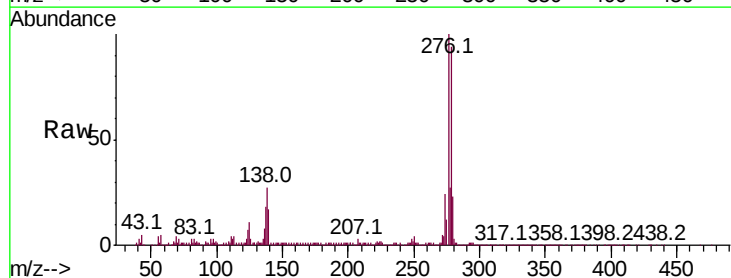
Tgt Ion:278 Resp: 473074

Ion Ratio Lower Upper

278 100

139 17.6 13.7 20.5

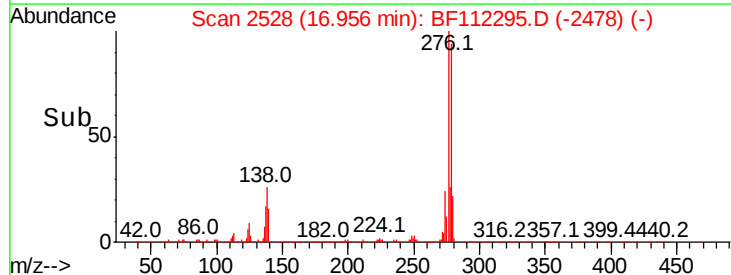
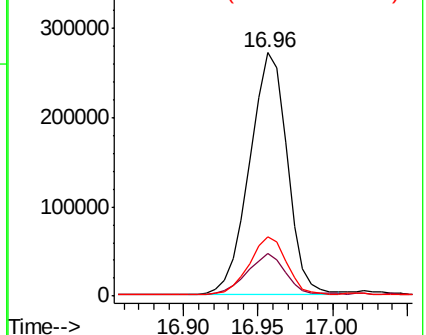
279 24.1 19.0 28.6

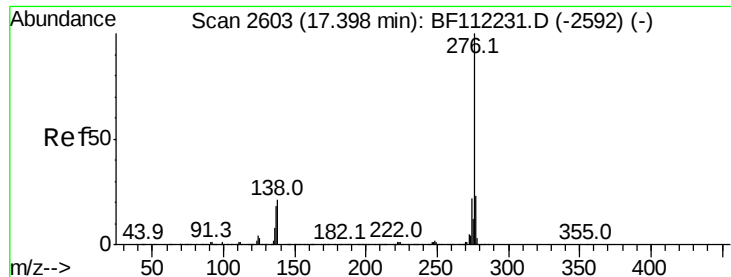


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 28.379 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	22.1	19.1	28.7

