

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113351.D
 Acq On : 28 Mar 2019 2:05
 Operator : JU/SJ
 Sample : K2086-08MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

Quant Time: Mar 28 04:32:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	173911	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	644968	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	299143	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	523501	20.00	ng	0.00
76) Chrysene-d12	13.84	240	392792	20.00	ng	0.00
87) Perylene-d12	15.24	264	351157	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1148414	107.97	ng	0.02
7) Phenol-d6	6.36	99	1349683	100.31	ng	0.00
23) Nitrobenzene-d5	7.27	82	1036144	95.35	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	421551	114.08	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1735262	92.47	ng	0.00
79) Terphenyl-d14	12.79	244	1635041	91.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	171931	31.860	ng	# 84
3) Pyridine	3.20	79	325275	24.451	ng	95
4) n-Nitrosodimethylamine	3.10	42	194904	32.956	ng	84
6) Aniline	6.37	93	191455	11.685	ng	# 3
8) 2-Chlorophenol	6.50	128	463051	37.491	ng	96
9) Benzaldehyde	6.25	77	94589	10.476	ng	98
10) Phenol	6.37	94	455433	29.649	ng	81
11) bis(2-Chloroethyl)ether	6.45	93	461338	39.181	ng	100
12) 1,3-Dichlorobenzene	6.65	146	508282	38.178	ng	99
13) 1,4-Dichlorobenzene	6.72	146	515823	40.127	ng	99
14) 1,2-Dichlorobenzene	6.87	146	472111	37.331	ng	98
15) Benzyl Alcohol	6.86	79	364349	41.046	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.99	45	697801	39.449	ng	88
17) 2-Methylphenol	6.97	107	370527	38.280	ng	98
18) Hexachloroethane	7.22	117	169939	36.806	ng	97
19) n-Nitroso-di-n-propylamine	7.13	70	324381	38.381	ng	96
20) 3+4-Methylphenols	7.13	107	462097	40.877	ng	91
22) Acetophenone	7.12	105	662481	45.040	ng	97
24) Nitrobenzene	7.29	77	498648	43.975	ng	96
25) Isophorone	7.53	82	895991	42.547	ng	98
26) 2-Nitrophenol	7.60	139	229928	38.362	ng	95
27) 2,4-Dimethylphenol	7.65	122	428703	49.723	ng	99
28) bis(2-Chloroethoxy)methane	7.74	93	582493	43.924	ng	99
29) 2,4-Dichlorophenol	7.86	162	409878	43.869	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	440790	43.727	ng	99
31) Naphthalene	8.01	128	1372003	43.531	ng	100
32) Benzoic acid	7.77	122	81163	11.695	ng	99
33) 4-Chloroaniline	8.06	127	116828	9.506	ng	97
34) Hexachlorobutadiene	8.13	225	251127	41.915	ng	98
35) Caprolactam	8.43	113	77315	25.783	ng	99
36) 4-Chloro-3-methylphenol	8.56	107	393732	41.897	ng	100
37) 2-Methylnaphthalene	8.70	142	916327	46.594	ng	100
38) 1-Methylnaphthalene	8.80	142	856771	45.293	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.87	216	425695	44.332	ng	99

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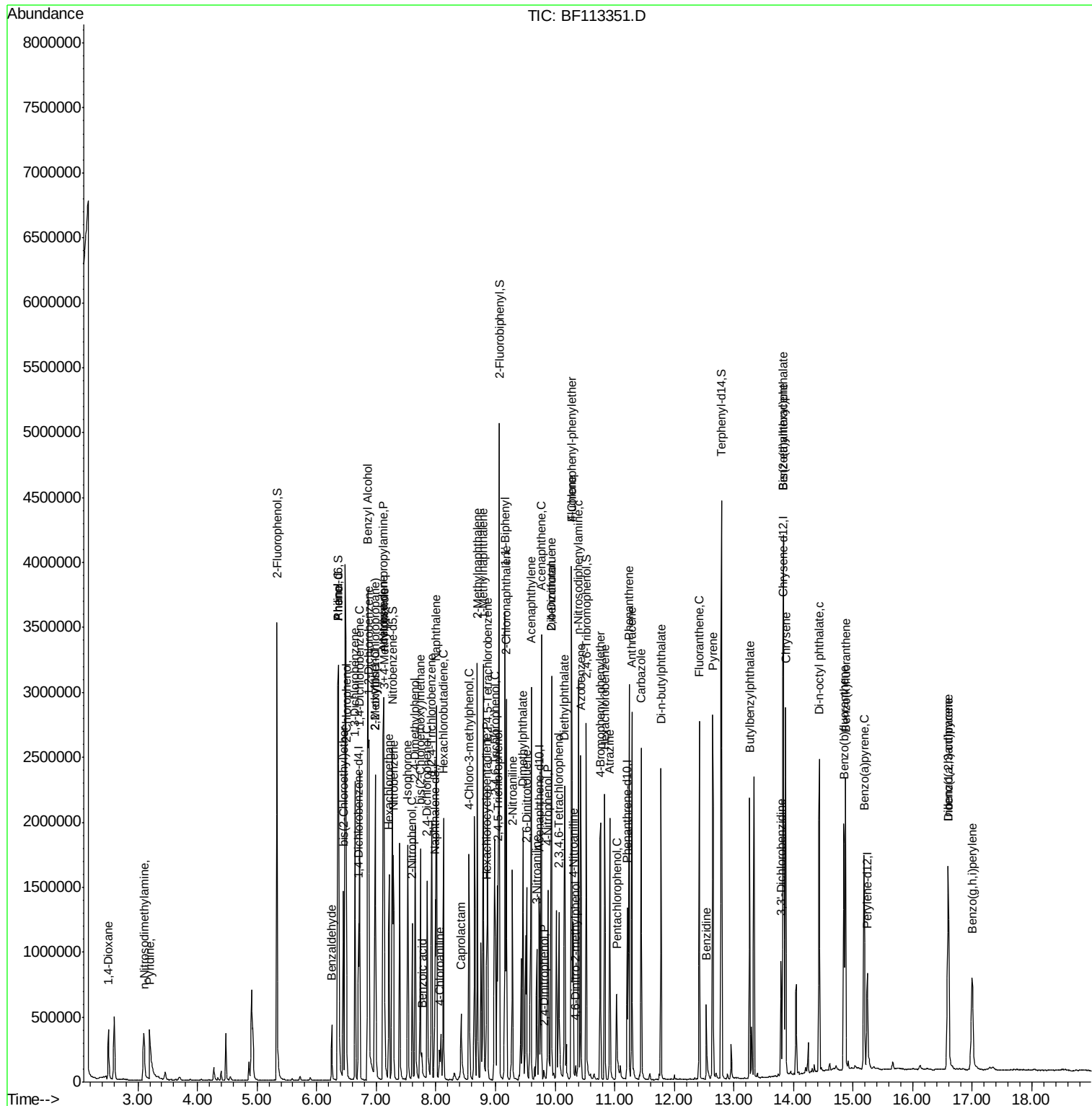
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	111797	27.506	ng	100
43) 2,4,6-Trichlorophenol	8.99	196	267903	42.844	ng	99
44) 2,4,5-Trichlorophenol	9.03	196	278093	40.186	ng	95
46) 1,1'-Biphenyl	9.16	154	1092707	43.736	ng	99
47) 2-Chloronaphthalene	9.19	162	834663	43.389	ng	99
48) 2-Nitroaniline	9.29	65	279073	46.229	ng	96
49) Acenaphthylene	9.60	152	1315641	42.298	ng	99
50) Dimethylphthalate	9.46	163	974938	43.978	ng	100
51) 2,6-Dinitrotoluene	9.53	165	203408	40.672	ng	89
52) Acenaphthene	9.77	154	759340	43.351	ng	99
53) 3-Nitroaniline	9.69	138	156553	27.758	ng	97
54) 2,4-Dinitrophenol	9.82	184	14641	5.886	ng	93
55) Dibenzofuran	9.94	168	1135778	43.132	ng	99
56) 4-Nitrophenol	9.87	139	172633	42.933	ng	92
57) 2,4-Dinitrotoluene	9.93	165	245765	38.642	ng	97
58) Fluorene	10.28	166	834926	40.815	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.07	232	208578	35.642	ng	98
60) Diethylphthalate	10.16	149	932118	42.861	ng	99
61) 4-Chlorophenyl-phenylether	10.27	204	423776	42.505	ng	96
62) 4-Nitroaniline	10.30	138	215650	37.137	ng	98
63) Azobenzene	10.43	77	865912	42.298	ng	98
65) 4,6-Dinitro-2-methylphenol	10.35	198	17864	6.238	ng	97
66) n-Nitrosodiphenylamine	10.39	169	787944	49.051	ng	100
67) 4-Bromophenyl-phenylether	10.76	248	277361	48.611	ng	95
68) Hexachlorobenzene	10.83	284	307672	46.456	ng	96
69) Atrazine	10.92	200	238263	46.992	ng	97
70) Pentachlorophenol	11.03	266	141896	41.123	ng	97
71) Phenanthrene	11.24	178	1152777	44.342	ng	99
72) Anthracene	11.29	178	1204201	45.603	ng	100
73) Carbazole	11.45	167	1090721	43.287	ng	99
74) Di-n-butylphthalate	11.78	149	1351727	46.261	ng	99
75) Fluoranthene	12.42	202	1167041	39.710	ng	100
77) Benzidine	12.54	184	253036	16.822	ng	96
78) Pyrene	12.64	202	1183802	43.491	ng	100
80) Butylbenzylphthalate	13.26	149	510650	42.569	ng	99
81) Benzo(a)anthracene	13.83	228	986379	43.870	ng	99
82) 3,3'-Dichlorobenzidine	13.79	252	199923	22.165	ng	100
83) Chrysene	13.87	228	983664	43.072	ng	100
84) Bis(2-ethylhexyl)phthalate	13.83	149	622303	42.317	ng	# 97
85) Di-n-octyl phthalate	14.43	149	1153930	46.228	ng	100
86) Indeno(1,2,3-cd)pyrene	16.60	276	813509	41.506	ng	97
88) Benzo(b)fluoranthene	14.84	252	1019749	46.748	ng	99
89) Benzo(k)fluoranthene	14.87	252	836928	43.689	ng	98
90) Benzo(a)pyrene	15.19	252	866381	44.800	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	697183	41.694	ng	100
92) Benzo(g,h,i)perylene	17.00	276	679965	40.330	ng	98

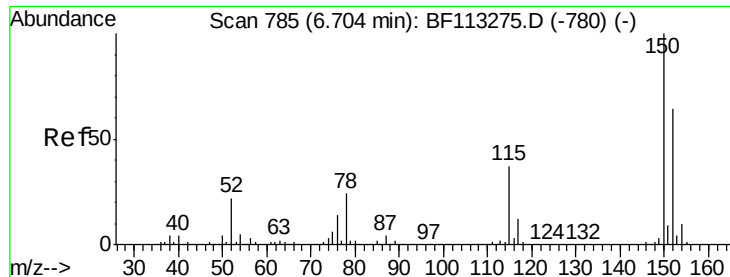
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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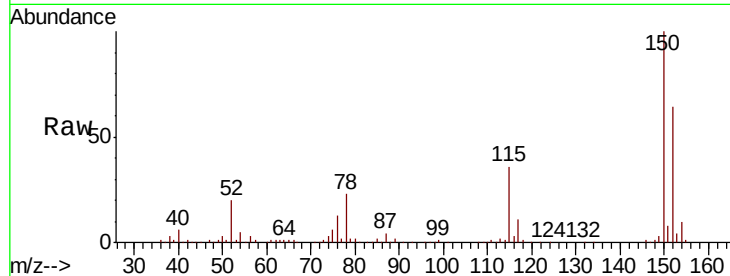


#1

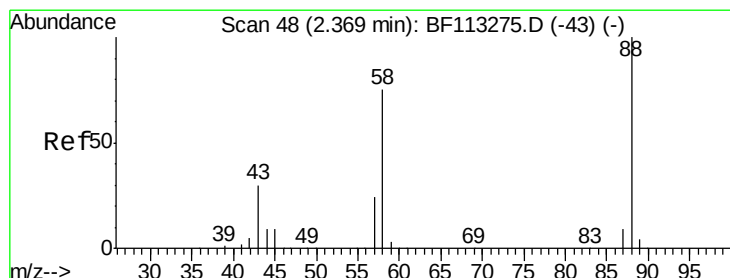
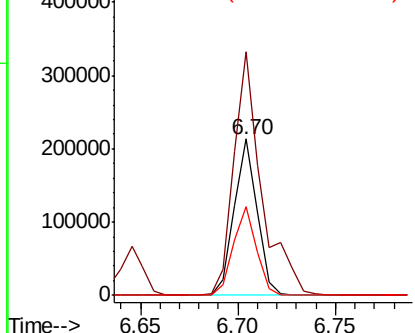
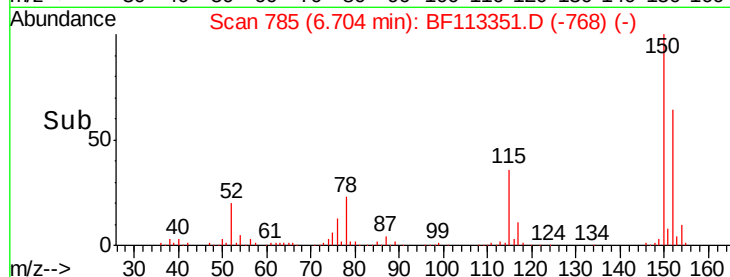
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:152 Resp: 173911
Ion Ratio Lower Upper
152 100
150 155.8 124.7 187.1
115 56.5 46.0 69.0



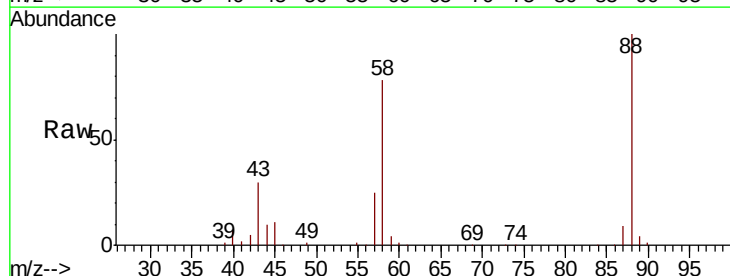
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



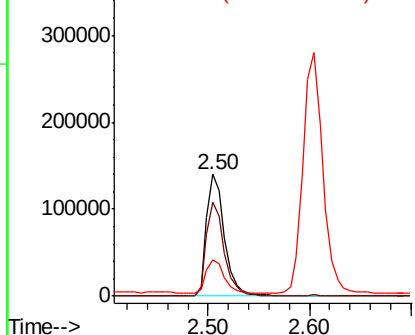
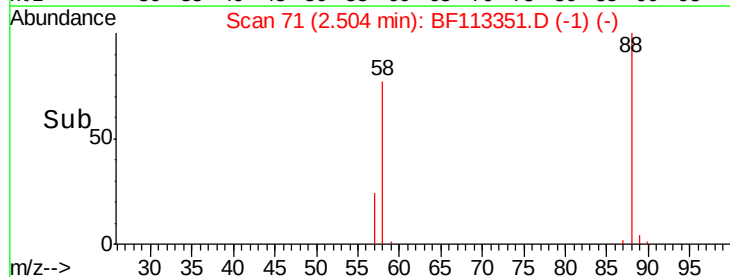
#2

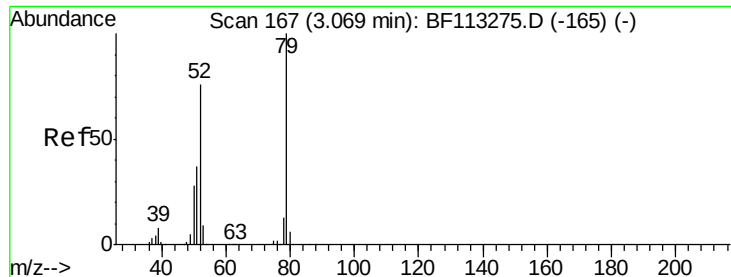
1,4-Dioxane
Concen: 31.860 ng
RT: 2.50 min Scan# 71
Delta R.T. 0.14 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion: 88 Resp: 171931
Ion Ratio Lower Upper
88 100
58 76.6 61.9 92.9
43 0.0 24.2 36.4



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: 24.451 ng

RT: 3.20 min Scan# 189

Delta R.T. 0.13 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

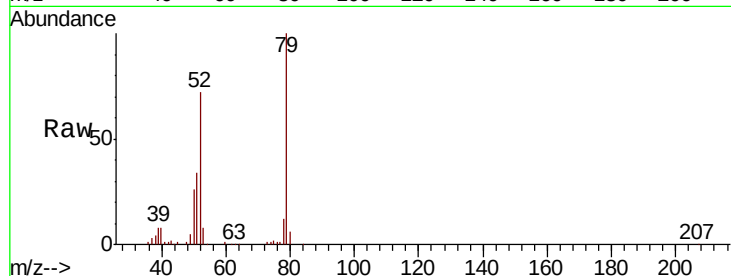
Tot Ion: 79 Resp: 325275

Ion Ratio Lower Upper

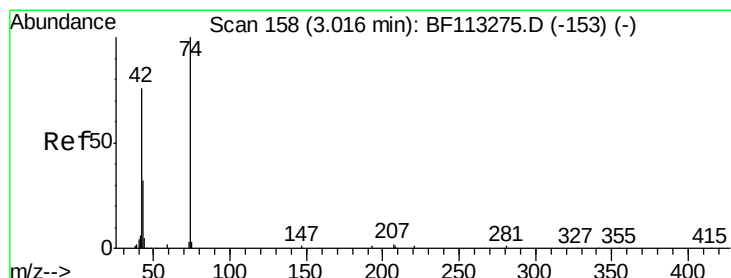
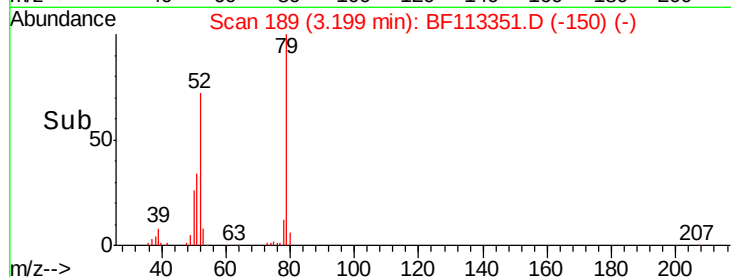
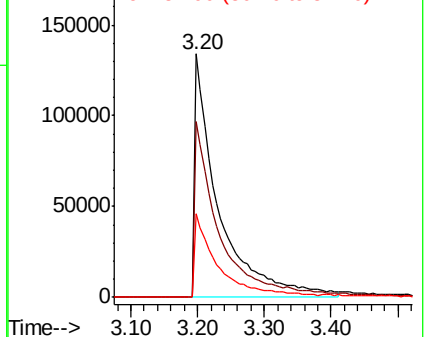
79 100

52 72.1 61.0 91.4

51 34.3 30.6 45.8



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: 32.956 ng

RT: 3.10 min Scan# 173

Delta R.T. 0.09 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

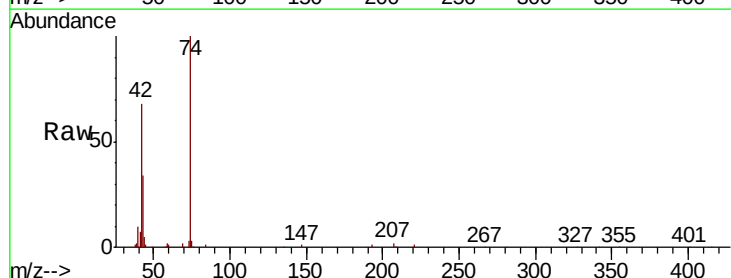
Tgt Ion: 42 Resp: 194904

Ion Ratio Lower Upper

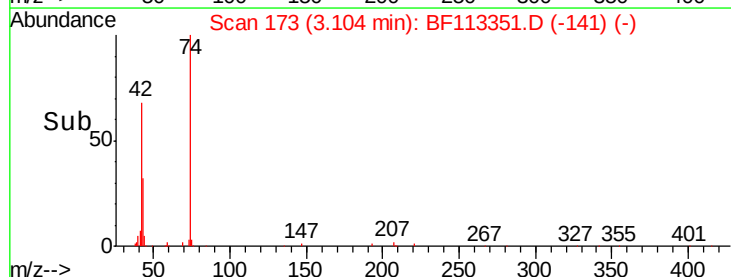
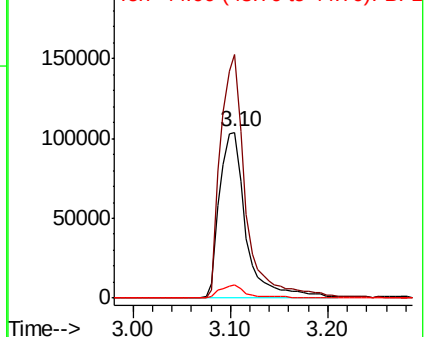
42 100

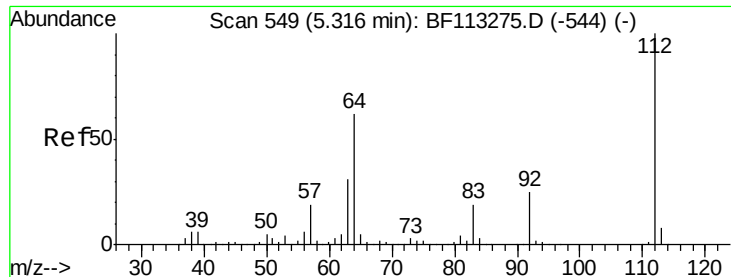
74 147.0 102.4 153.6

44 7.8 5.5 8.3



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: 107.974 ng

RT: 5.33 min Scan# 552

Delta R.T. 0.02 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

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ClientSampleId :

CS-11MSD

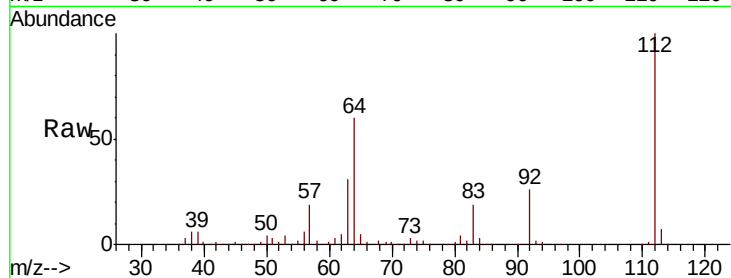
Tot Ion:112 Resp: 1148414

Ion Ratio Lower Upper

112 100

64 60.5 49.2 73.8

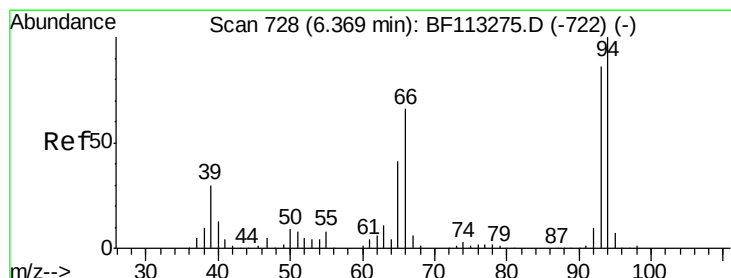
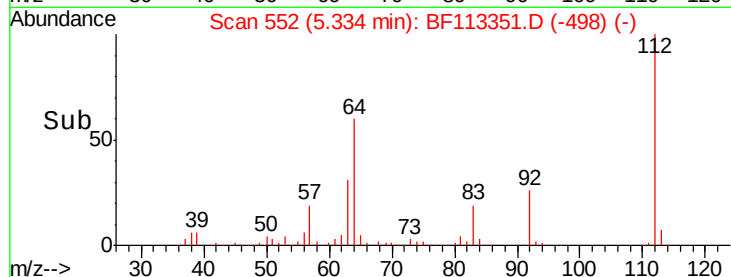
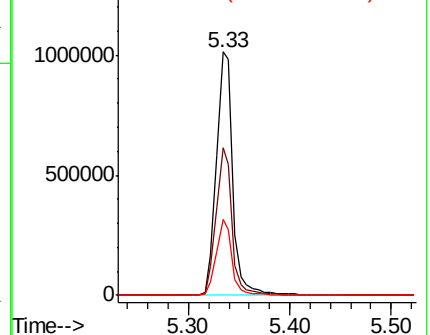
63 31.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 11.685 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

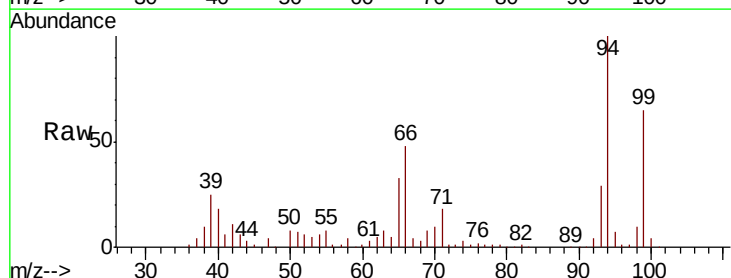
Tgt Ion: 93 Resp: 191455

Ion Ratio Lower Upper

93 100

66 164.3 62.1 93.1#

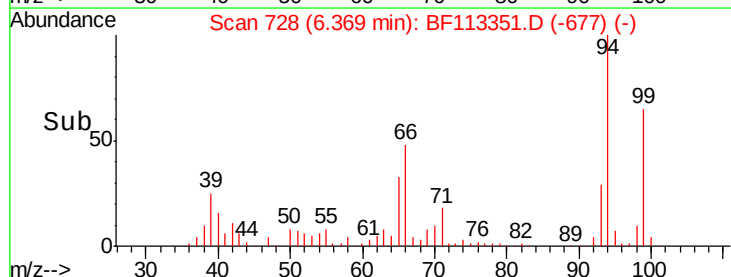
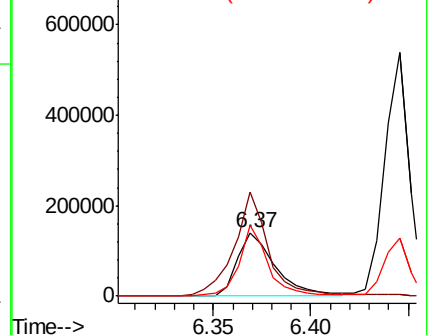
65 110.6 38.7 58.1#

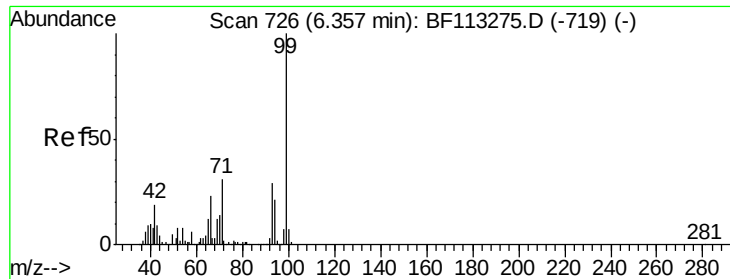


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 100.310 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

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CS-11MSD

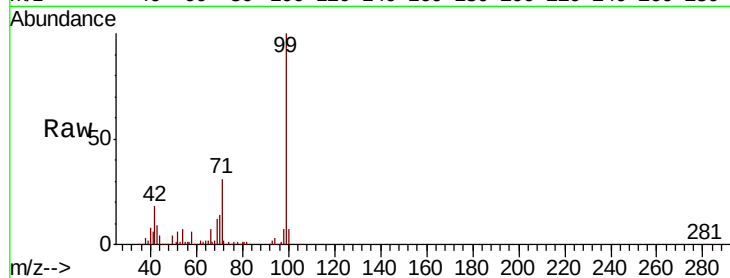
Tot Ion: 99 Resp: 1349683

Ion Ratio Lower Upper

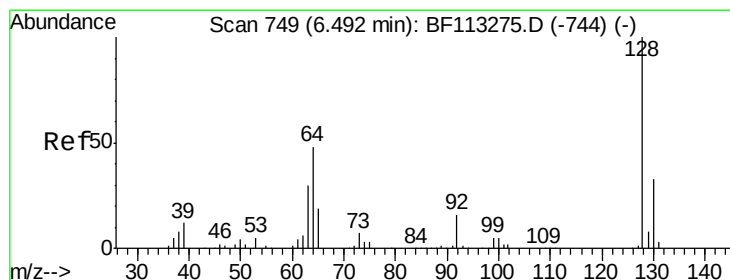
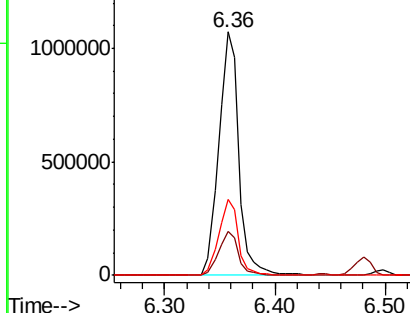
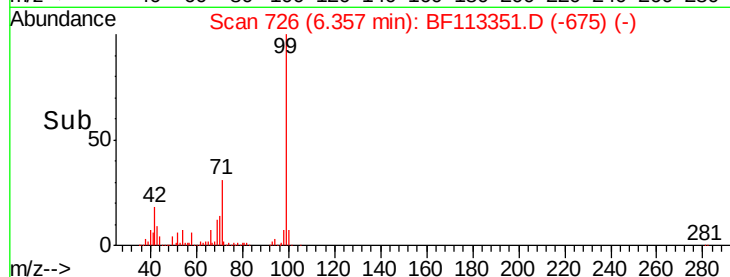
99 100

42 17.8 14.8 22.2

71 31.4 24.9 37.3



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: 37.491 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

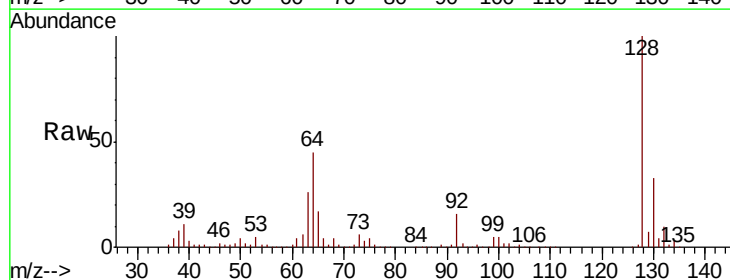
Tgt Ion: 128 Resp: 463051

Ion Ratio Lower Upper

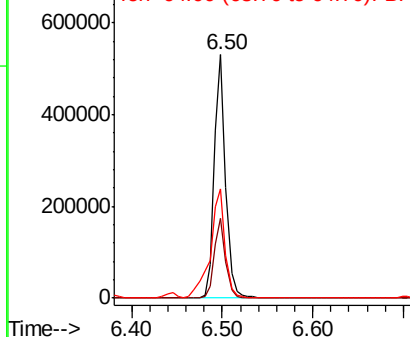
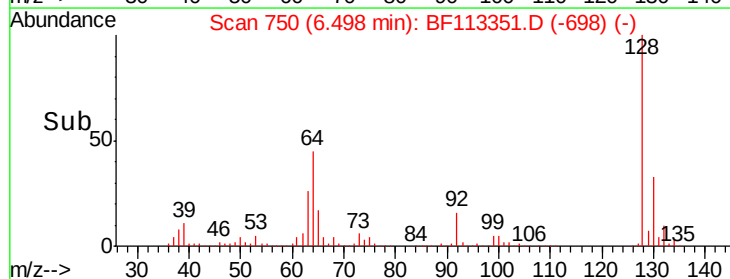
128 100

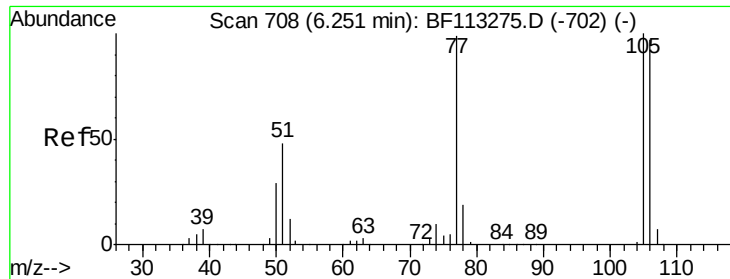
130 32.6 12.6 52.6

64 44.7 29.4 69.4



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

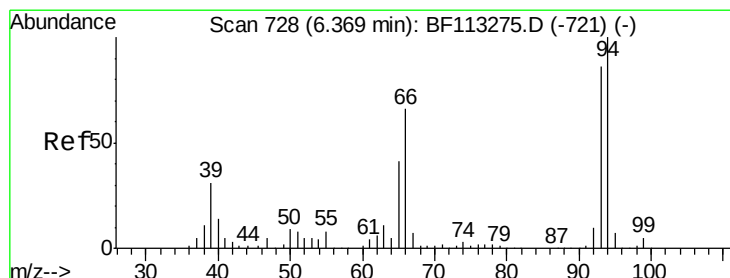
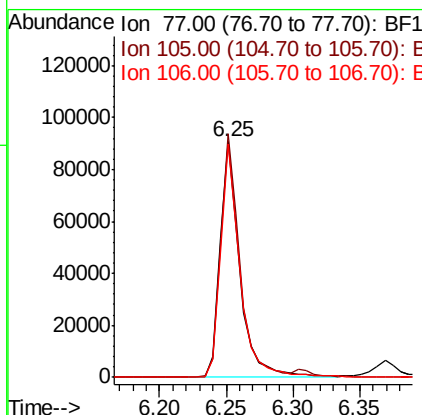
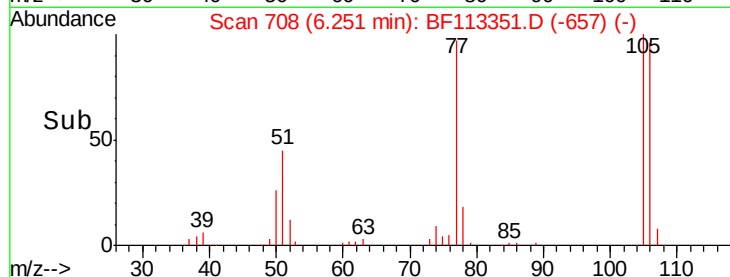
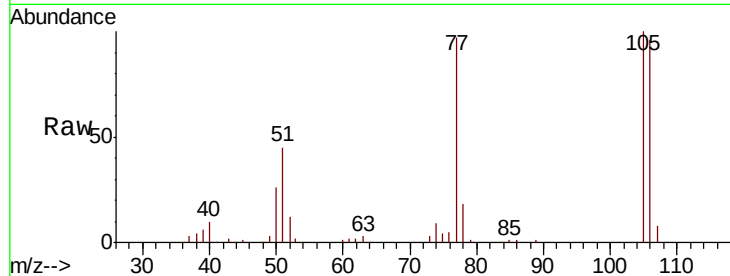




#9
Benzaldehyde
Concen: 10.476 ng
RT: 6.25 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

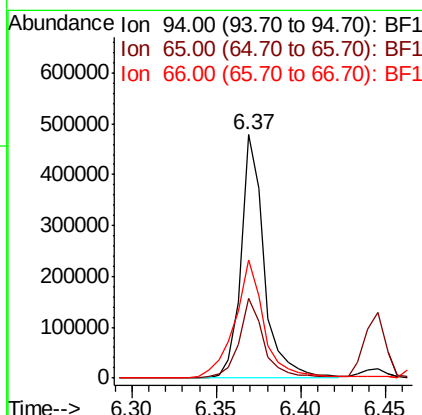
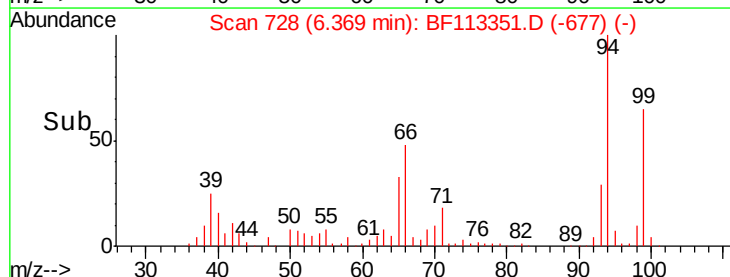
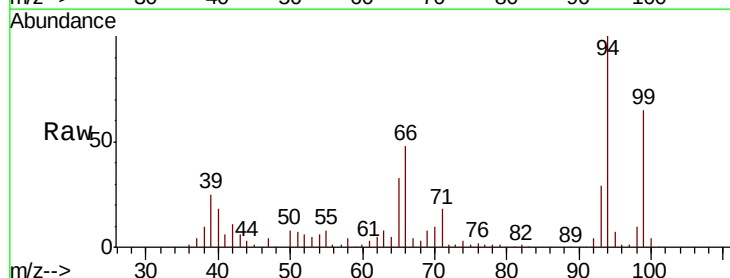
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

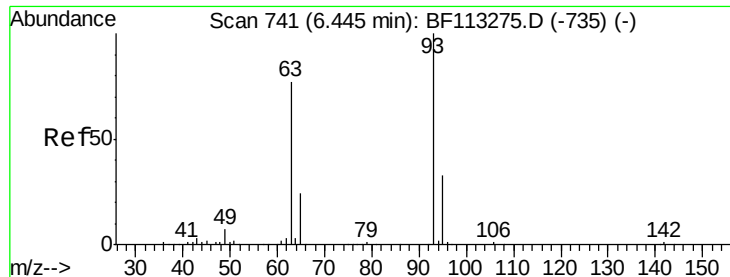
Tot Ion: 77 Resp: 94589
Ion Ratio Lower Upper
77 100
105 103.3 80.9 120.9
106 99.0 77.8 117.8



#10
Phenol
Concen: 29.649 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion: 94 Resp: 455433
Ion Ratio Lower Upper
94 100
65 32.5 21.4 61.4
66 48.3 46.4 86.4





#11

bis(2-Chloroethyl)ether

Concen: 39.181 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

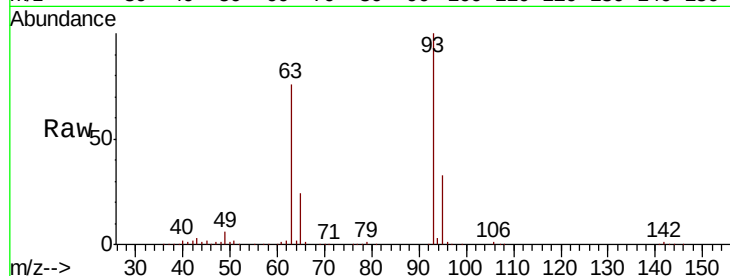
Tot Ion: 93 Resp: 461338

Ion Ratio Lower Upper

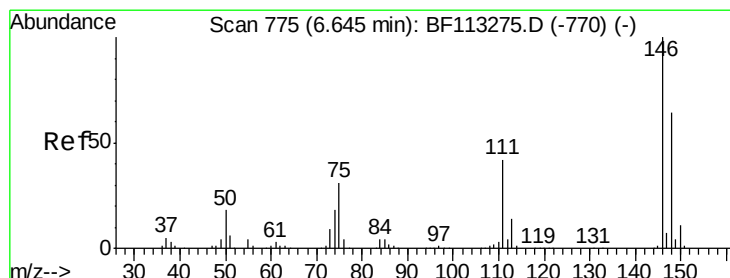
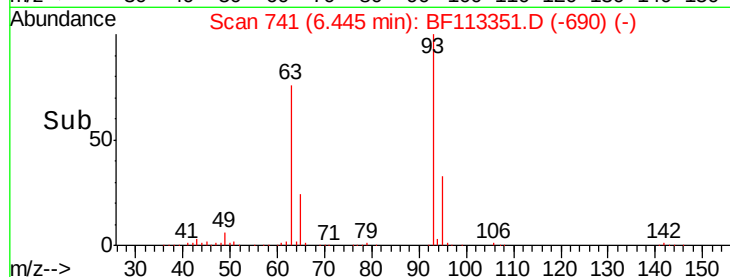
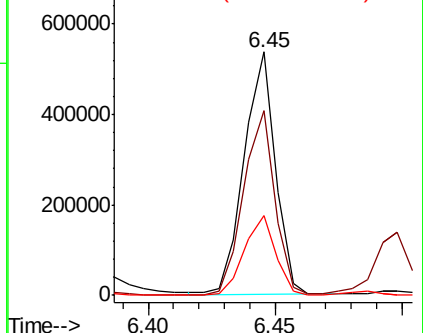
93 100

63 75.7 56.1 96.1

95 32.6 12.8 52.8



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: 38.178 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

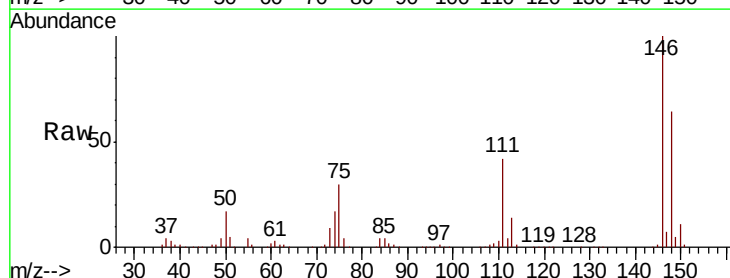
Tgt Ion: 146 Resp: 508282

Ion Ratio Lower Upper

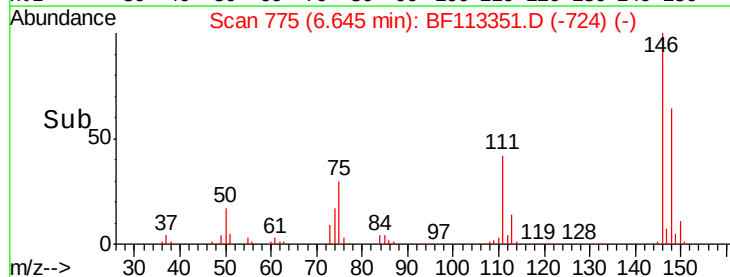
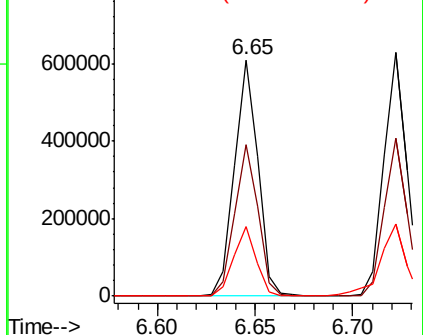
146 100

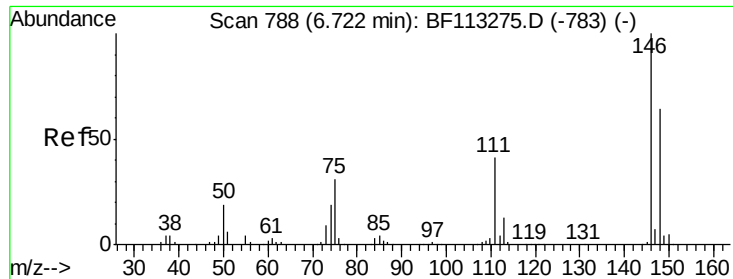
148 64.4 51.4 77.0

75 29.5 24.8 37.2



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

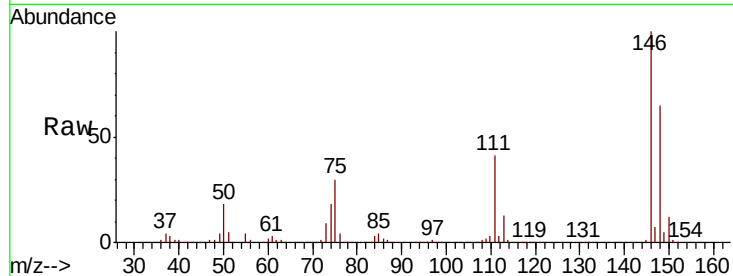




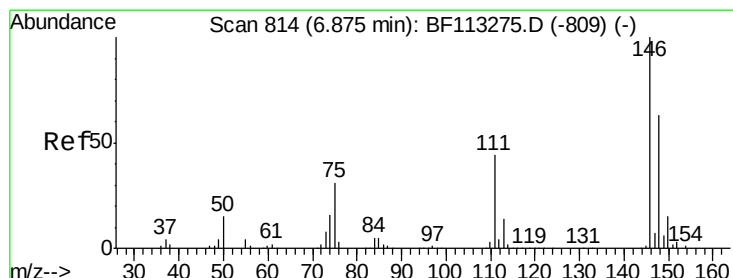
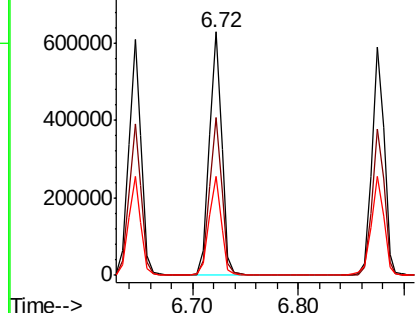
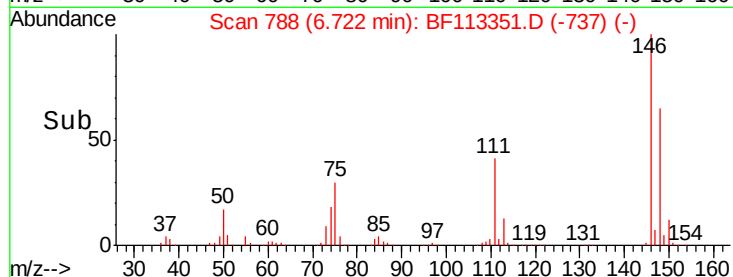
#13
 1,4-Dichlorobenzene
 Concen: 40.127 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

Tot Ion:146 Resp: 515823
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.1 76.7
 111 40.6 32.8 49.2

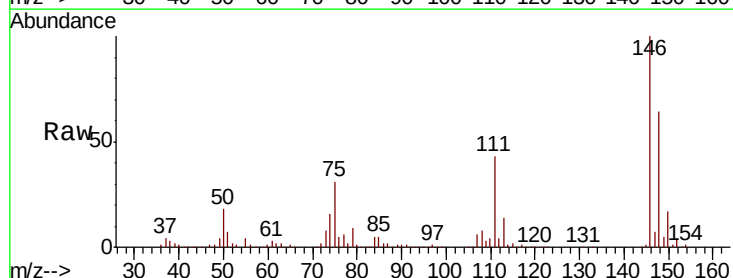


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

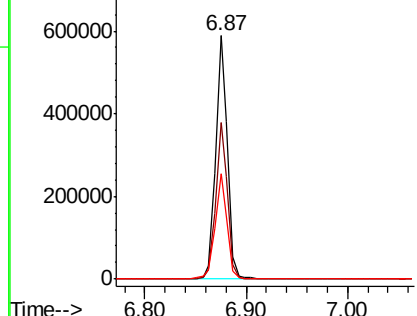
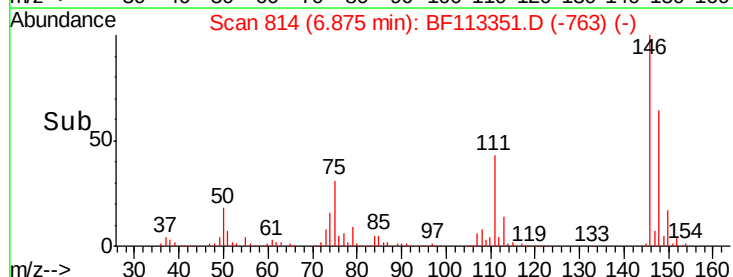


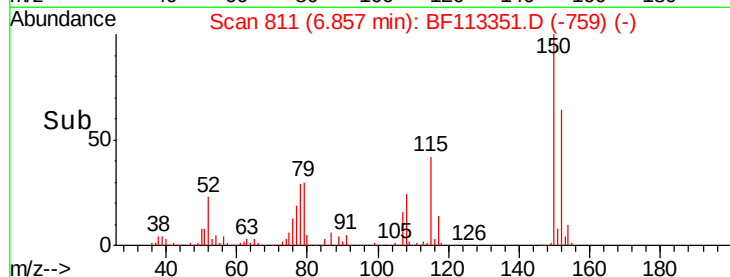
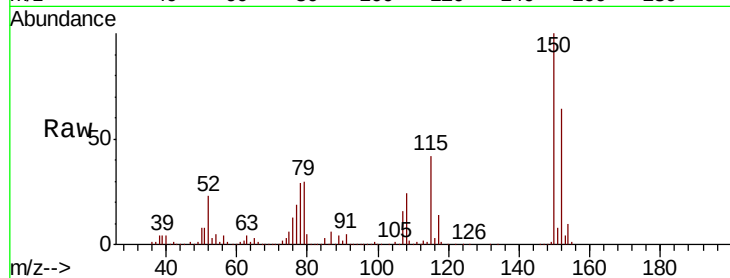
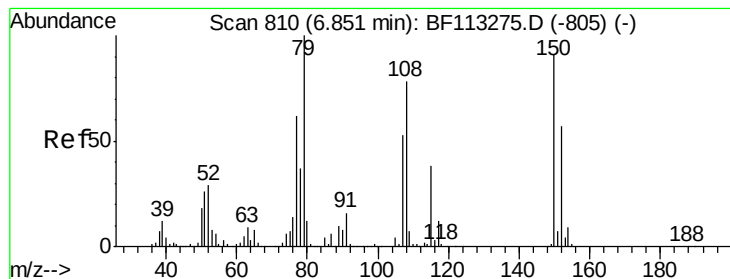
#14
 1,2-Dichlorobenzene
 Concen: 37.331 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion:146 Resp: 472111
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.2 75.4
 111 43.3 35.4 53.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.046 ng

RT: 6.86 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

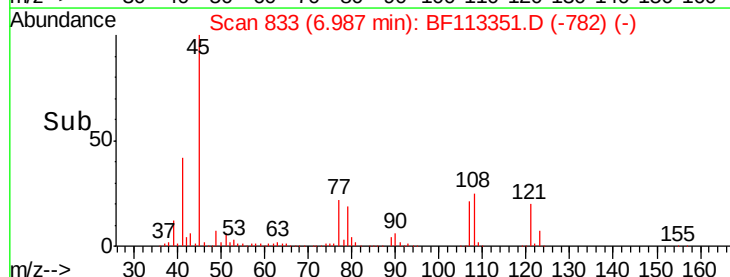
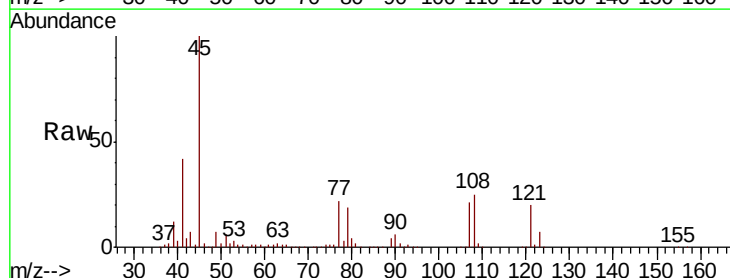
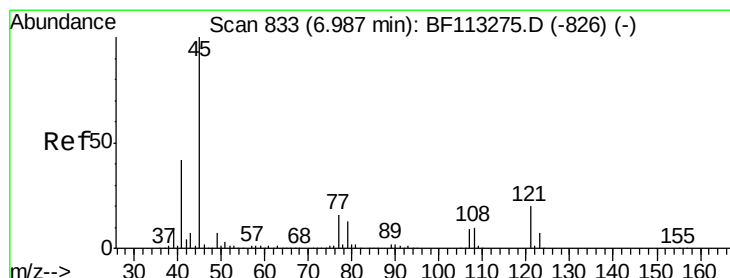
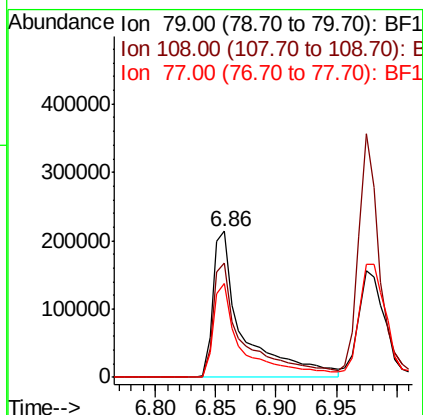
Tot Ion: 79 Resp: 364349

Ion Ratio Lower Upper

79 100

108 78.0 62.0 93.0

77 63.9 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.449 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

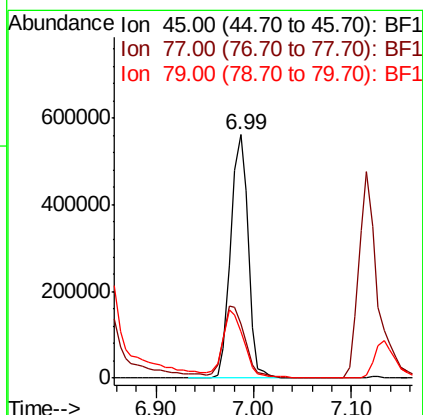
Tgt Ion: 45 Resp: 697801

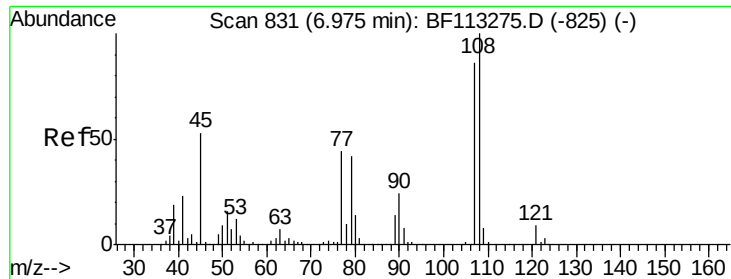
Ion Ratio Lower Upper

45 100

77 22.0 0.0 36.6

79 18.9 0.0 34.0

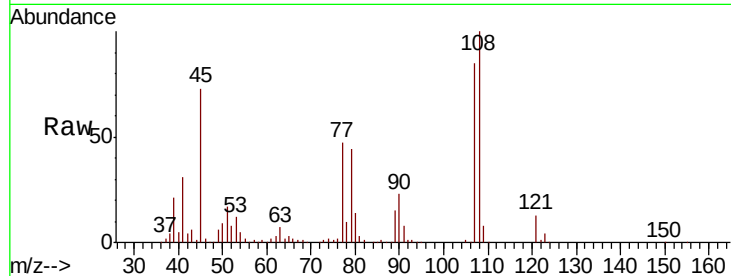




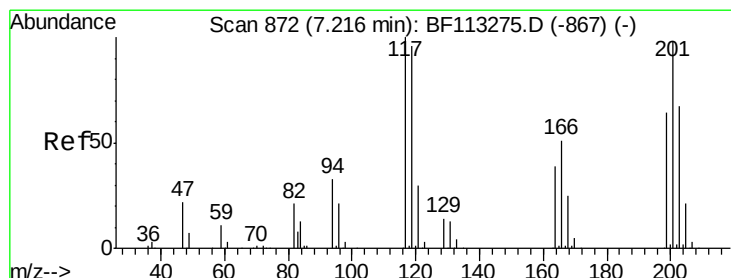
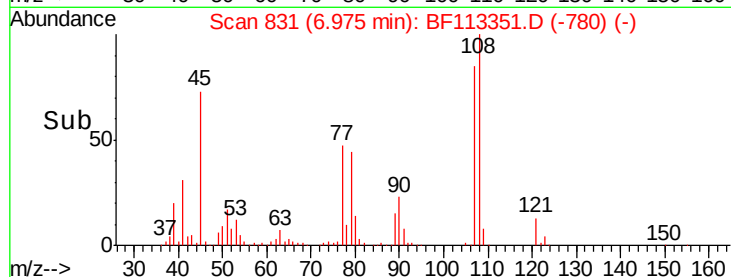
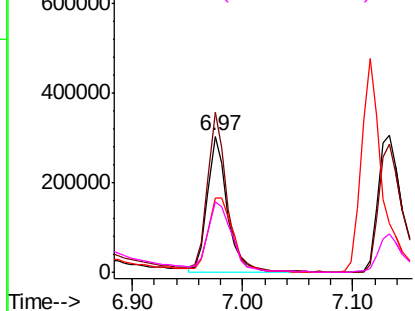
#17
2-Methylphenol
Concen: 38.280 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:107 Resp: 370527
Ion Ratio Lower Upper
107 100
108 117.2 93.4 140.0
77 54.6 41.2 61.8
79 51.6 40.1 60.1

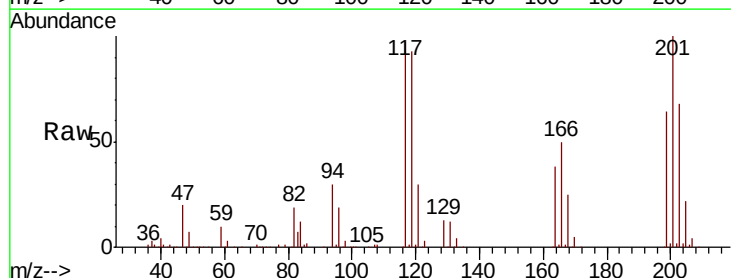


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

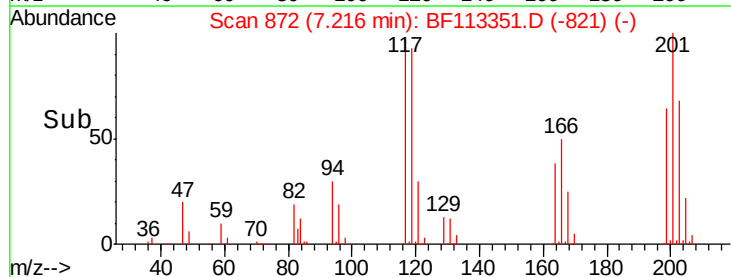
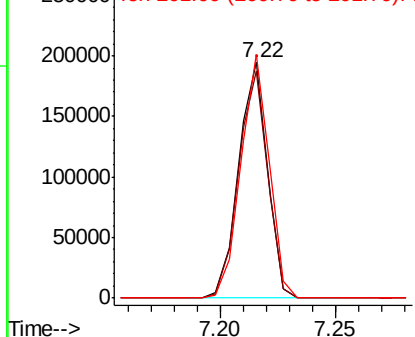


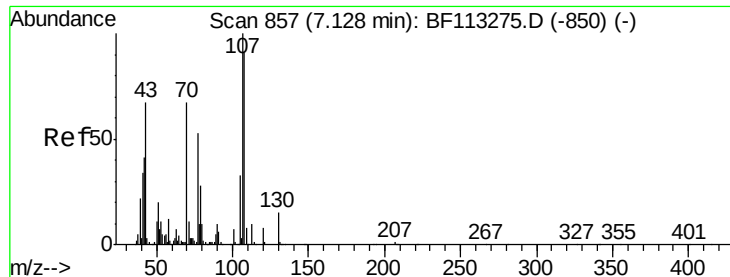
#18
Hexachloroethane
Concen: 36.806 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:117 Resp: 169939
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3
201 103.4 78.7 118.1



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

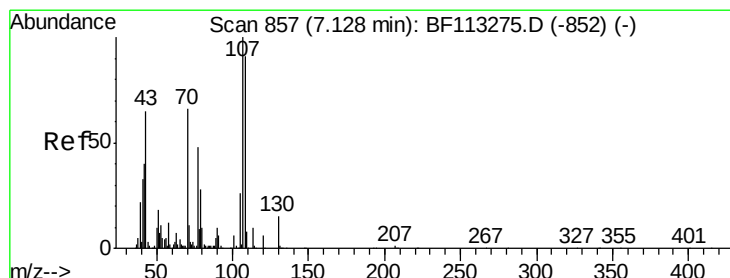
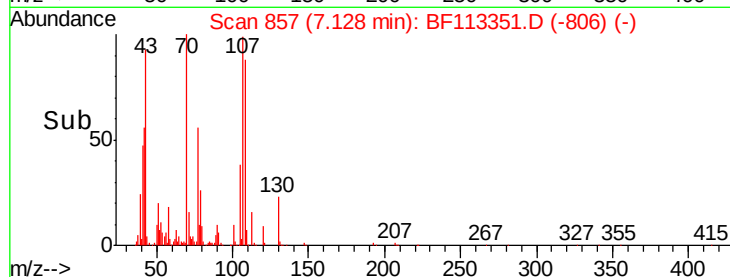
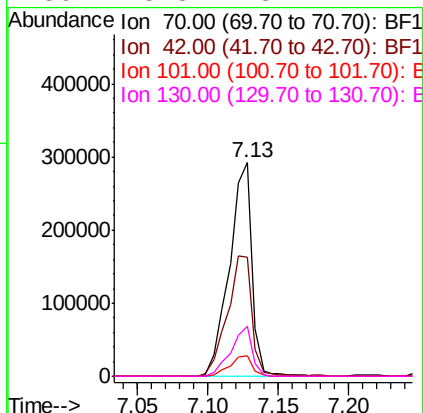
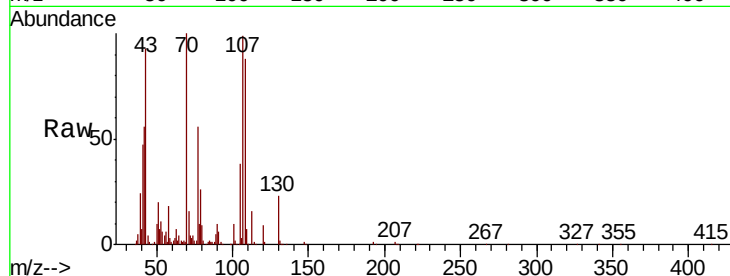




#19
n-Nitroso-di-n-propylamine
Concen: 38.381 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

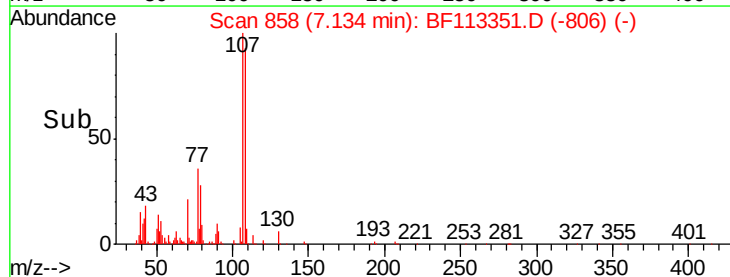
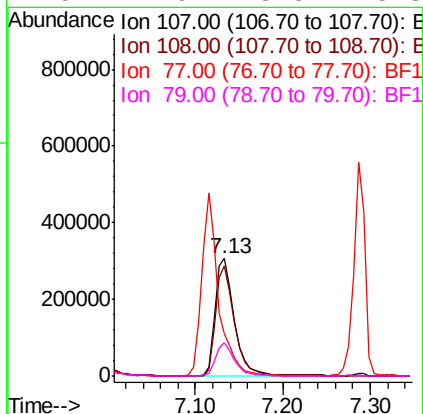
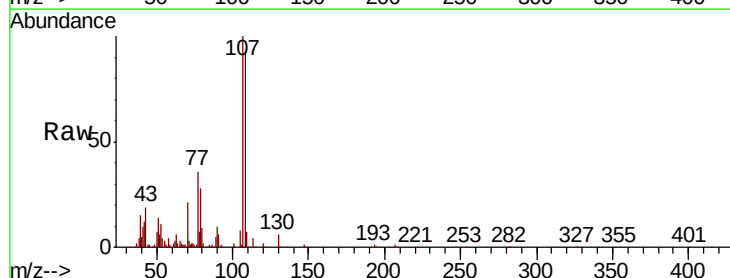
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

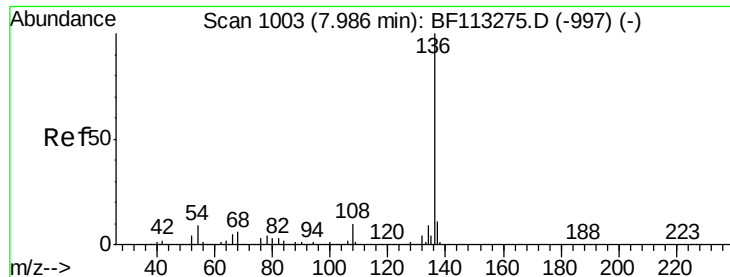
Tot Ion:	70	Resp:	324381
Ion	Ratio	Lower	Upper
70	100		
42	56.0	48.4	72.6
101	9.8	7.8	11.8
130	23.3	18.2	27.4



#20
3+4-Methylphenols
Concen: 40.877 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:	107	Resp:	462097
Ion	Ratio	Lower	Upper
107	100		
108	93.4	71.4	111.4
77	35.8	33.5	73.5
79	27.9	8.3	48.3

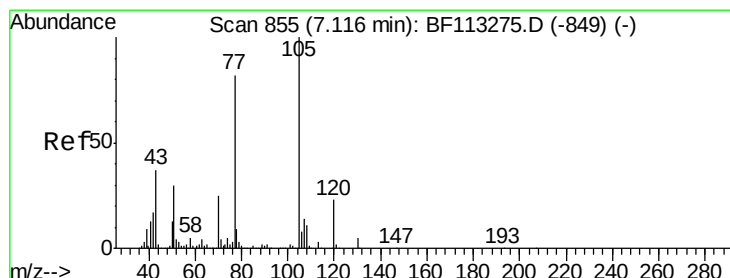
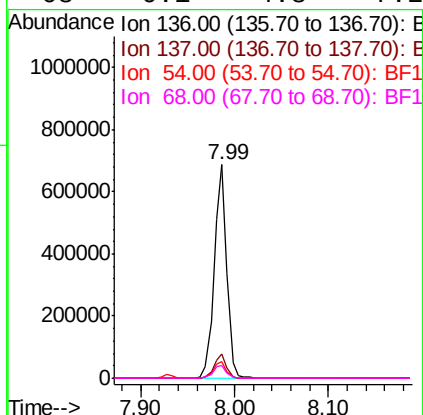
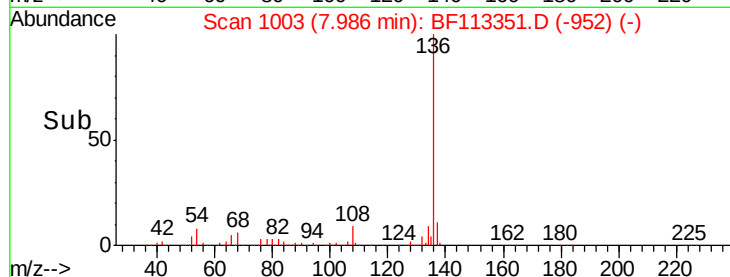
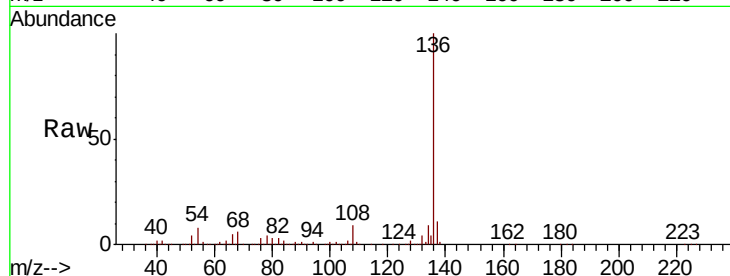




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

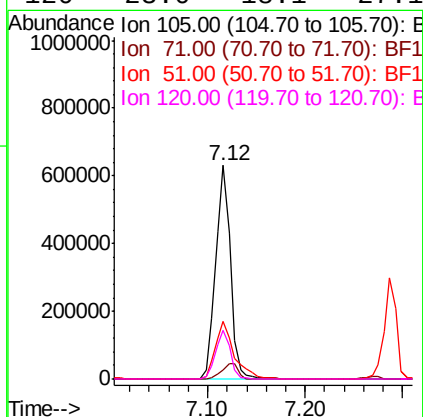
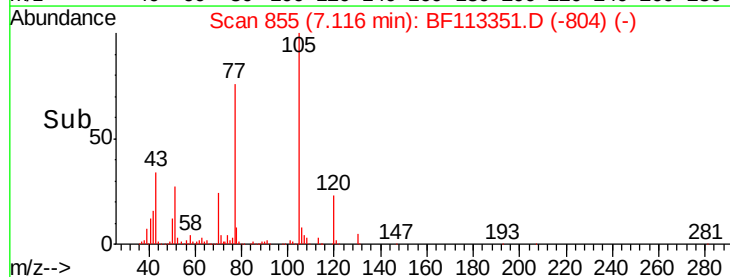
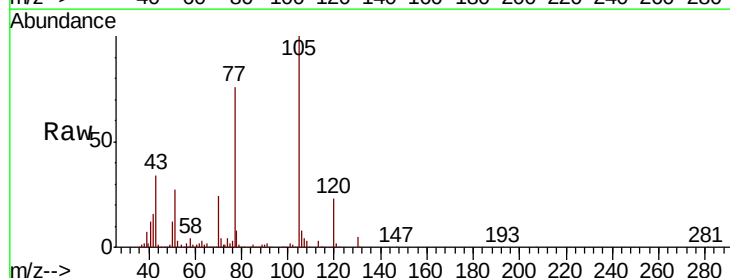
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

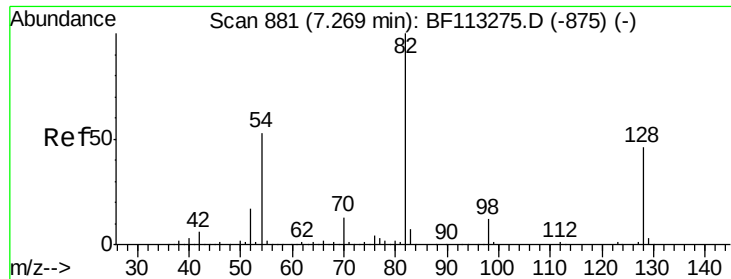
Tot Ion:136	Resp:	644968
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.7	7.0 10.6
68	6.1	4.8 7.2



#22
Acetophenone
Concen: 45.040 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:105	Resp:	662481
Ion Ratio	Lower	Upper
105	100	
71	4.0	3.3 4.9
51	27.1	24.2 36.2
120	23.0	18.1 27.1

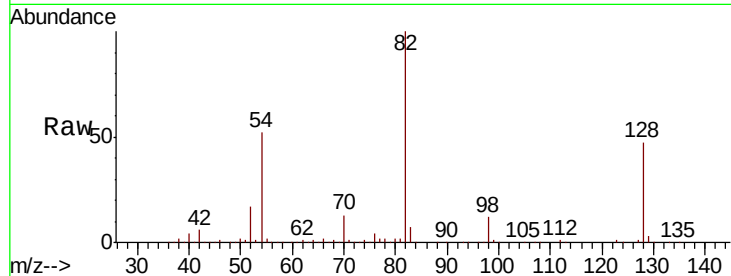




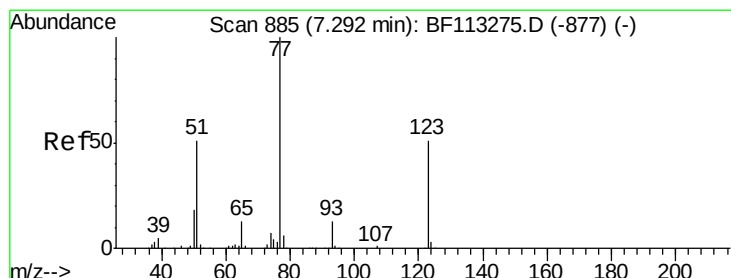
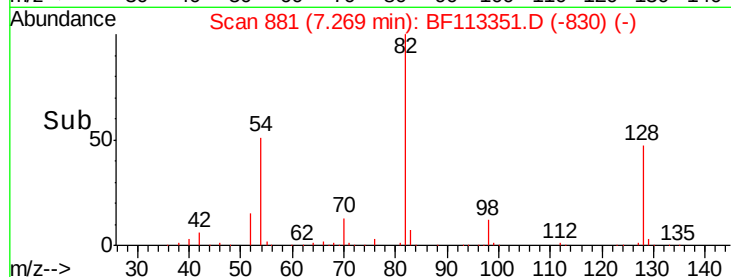
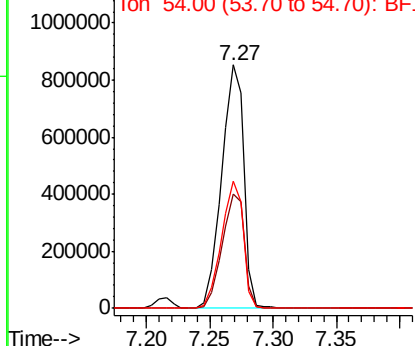
#23
Nitrobenzene-d5
Concen: 95.353 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion: 82 Resp: 1036144
Ion Ratio Lower Upper
82 100
128 46.8 36.5 54.7
54 52.1 42.2 63.2

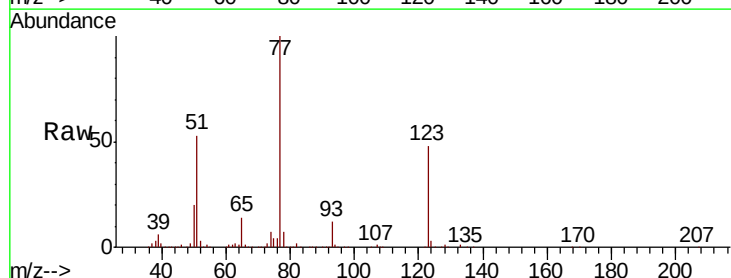


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

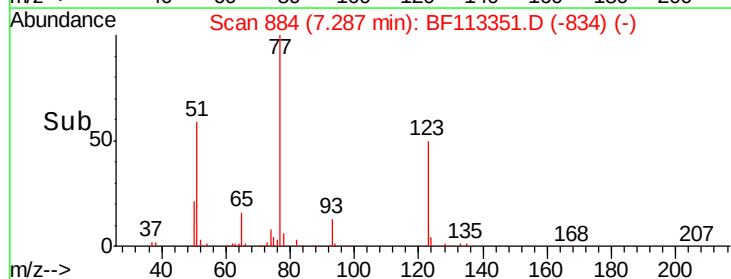
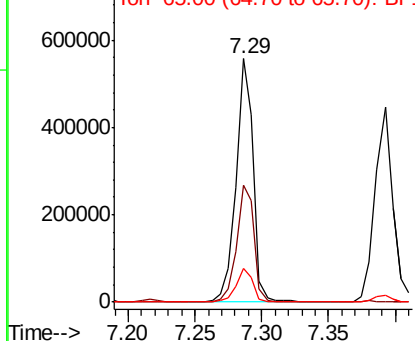


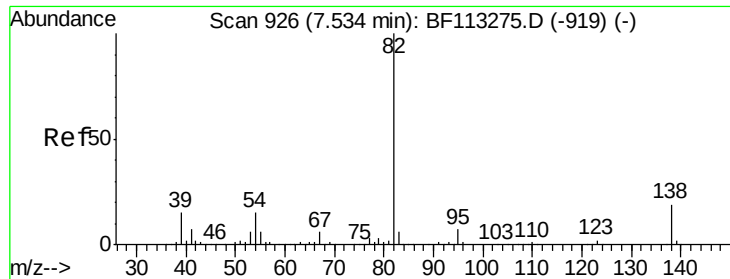
#24
Nitrobenzene
Concen: 43.975 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion: 77 Resp: 498648
Ion Ratio Lower Upper
77 100
123 47.9 40.8 61.2
65 13.7 10.6 16.0



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

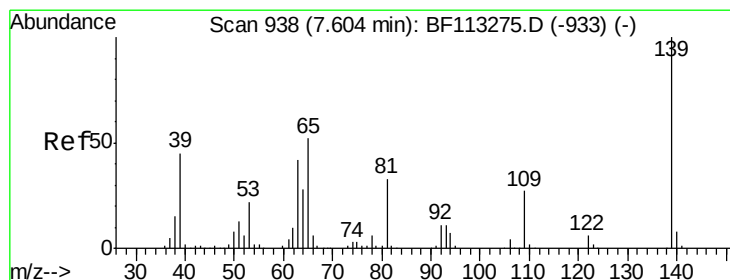
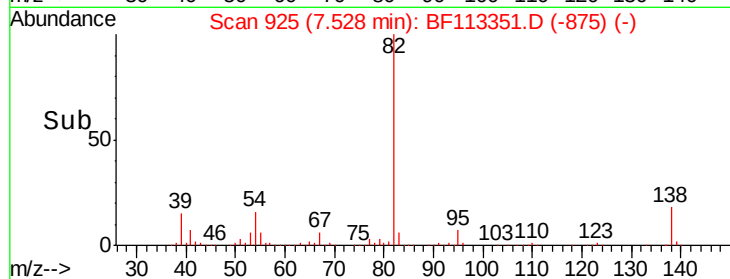
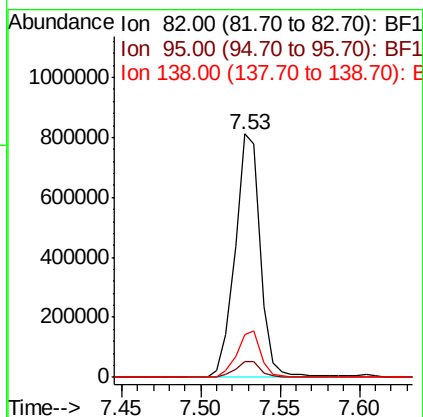
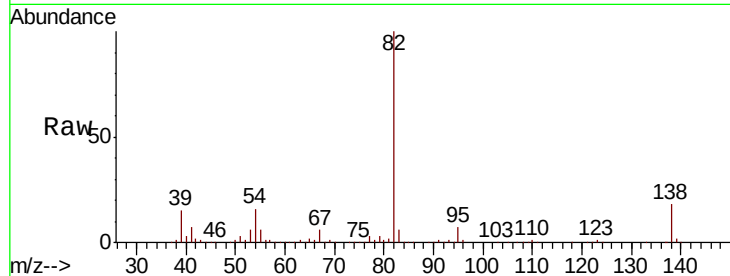




#25
Isophorone
Concen: 42.547 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

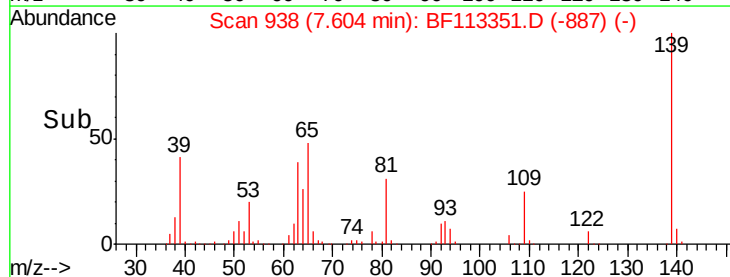
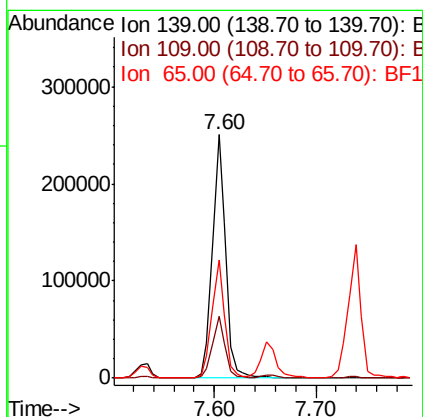
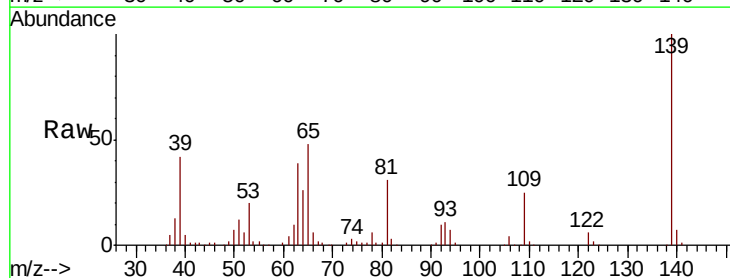
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

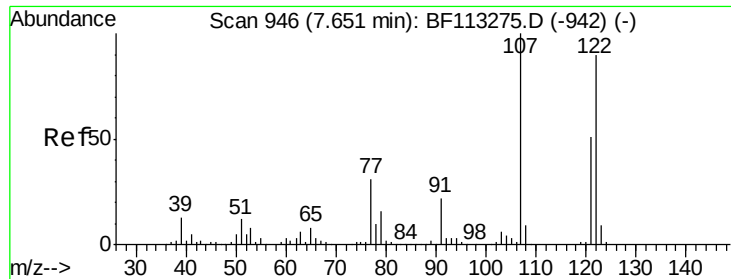
Tot Ion: 82 Resp: 895991
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 17.6 15.2 22.8



#26
2-Nitrophenol
Concen: 38.362 ng
RT: 7.60 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion: 139 Resp: 229928
Ion Ratio Lower Upper
139 100
109 25.2 21.7 32.5
65 48.3 41.6 62.4

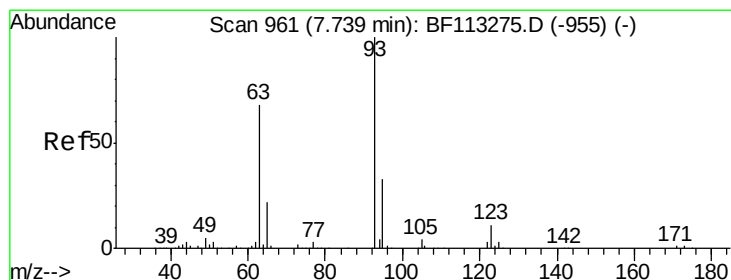
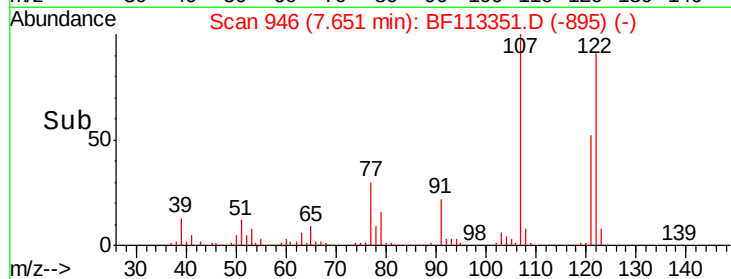
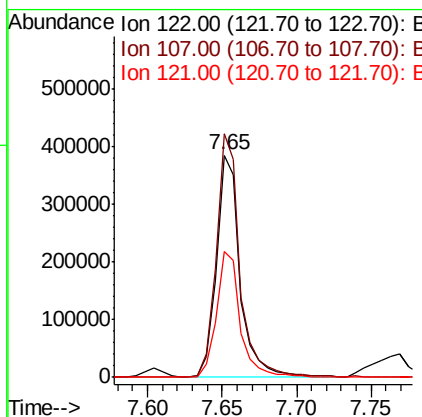
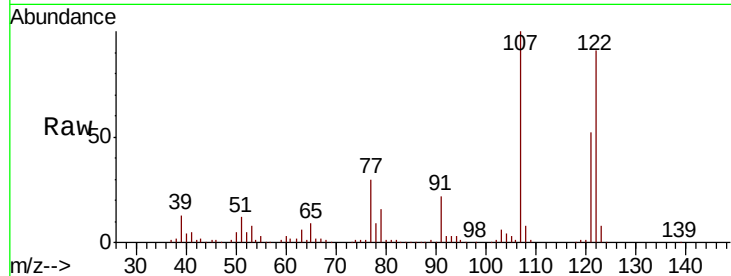




#27
 2,4-Dimethylphenol
 Concen: 49.723 ng
 RT: 7.65 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

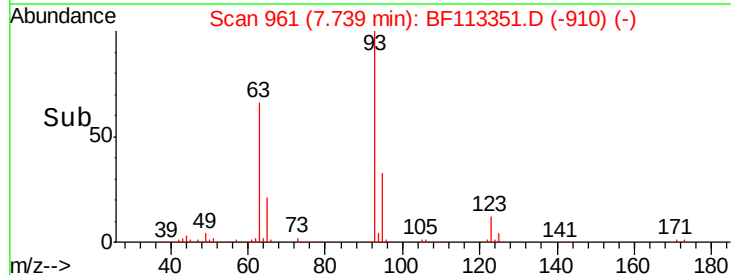
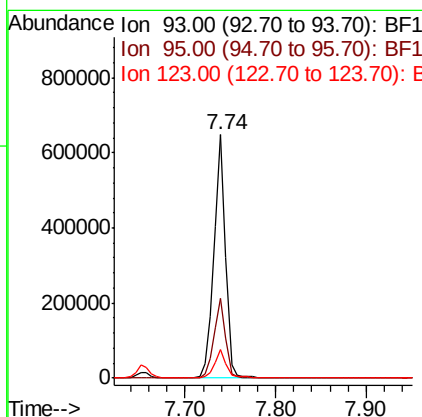
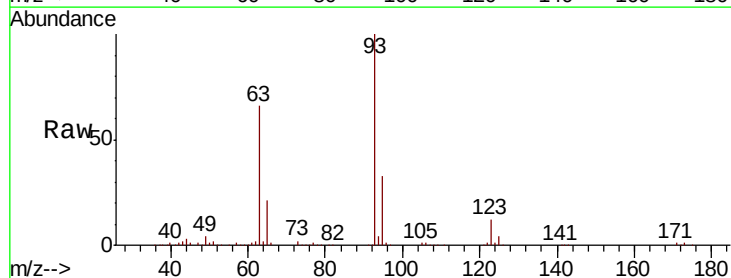
Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

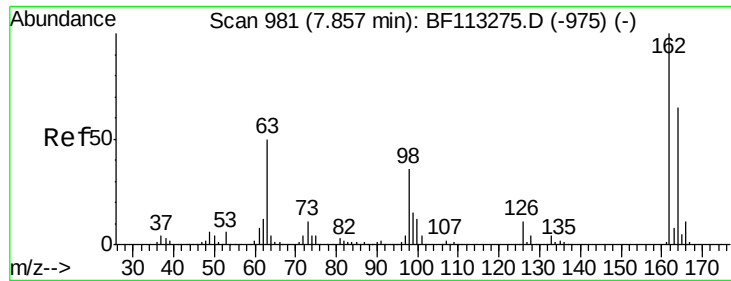
Tot Ion:122 Resp: 428703
 Ion Ratio Lower Upper
 122 100
 107 109.7 88.8 133.2
 121 56.8 45.5 68.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.924 ng
 RT: 7.74 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion: 93 Resp: 582493
 Ion Ratio Lower Upper
 93 100
 95 33.0 26.0 39.0
 123 11.7 9.1 13.7

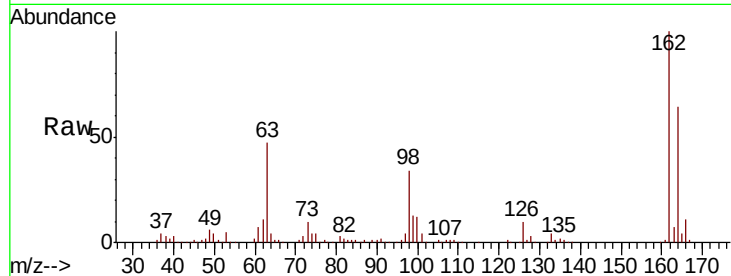




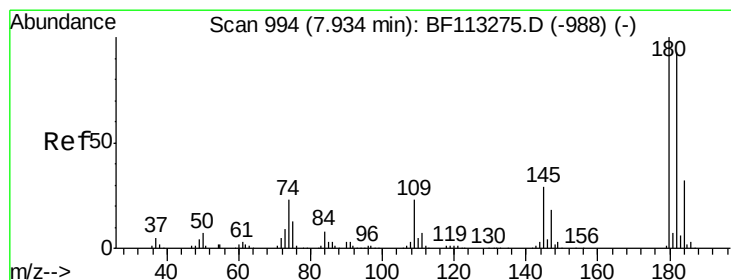
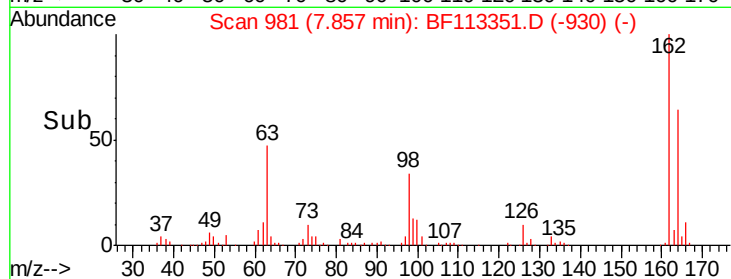
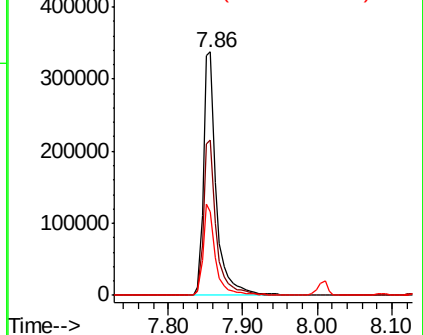
#29
 2,4-Dichlorophenol
 Concen: 43.869 ng
 RT: 7.86 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.6	84.6
98	34.3	15.6	55.6

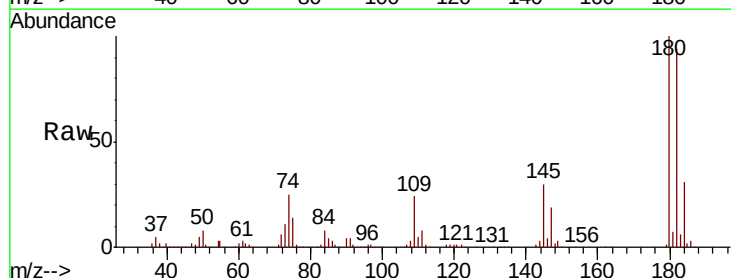


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

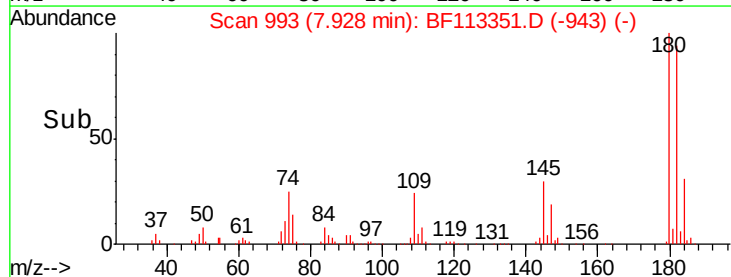
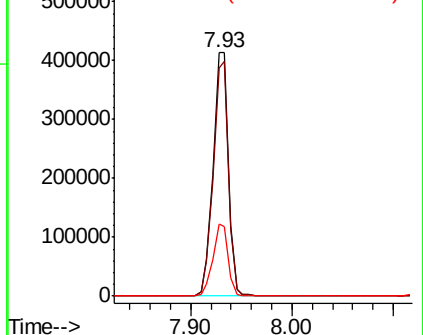


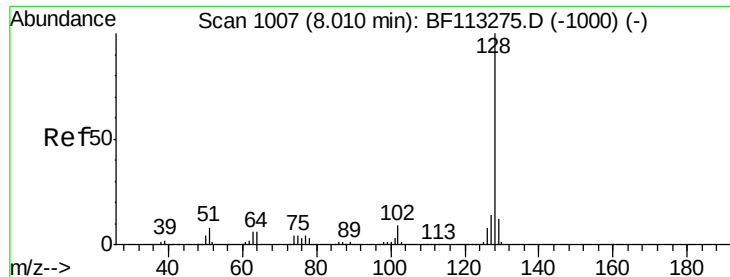
#30
 1,2,4-Trichlorobenzene
 Concen: 43.727 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.6	111.8
145	29.8	23.4	35.0



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

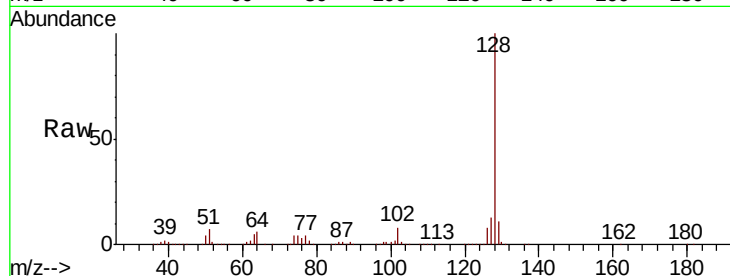




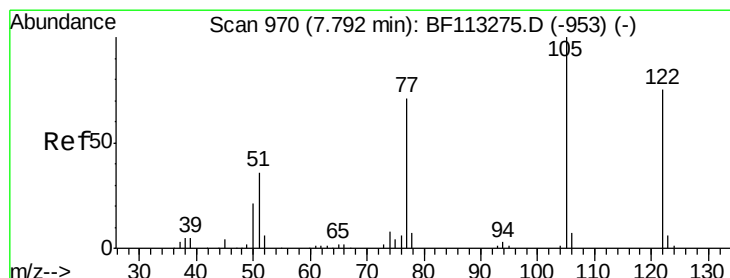
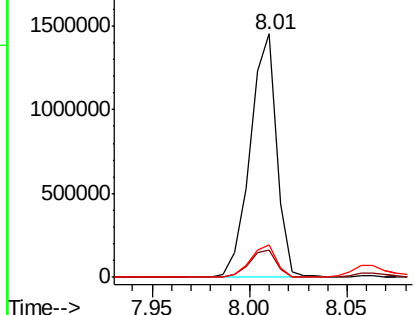
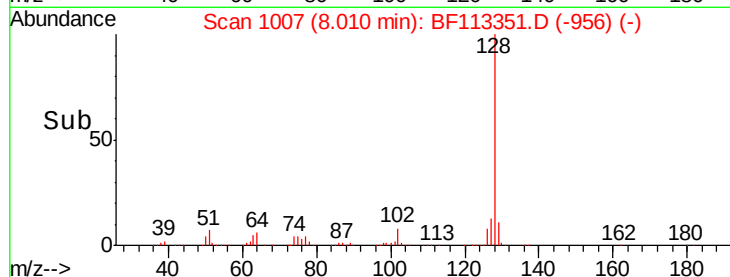
#31
Naphthalene
Concen: 43.531 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:128 Resp: 1372003
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 13.4 10.9 16.3

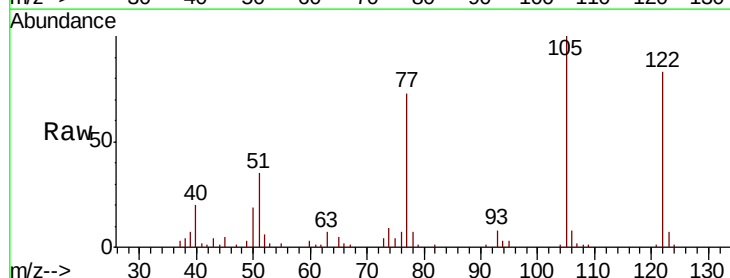


Abundance Ion 128.00 (127.70 to 128.70): E
2000000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

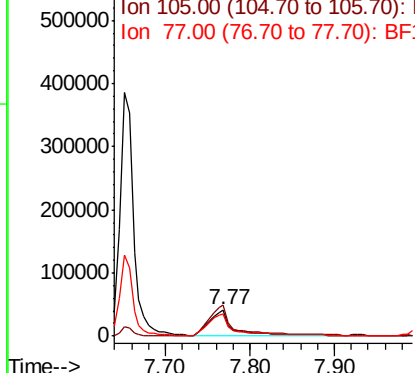
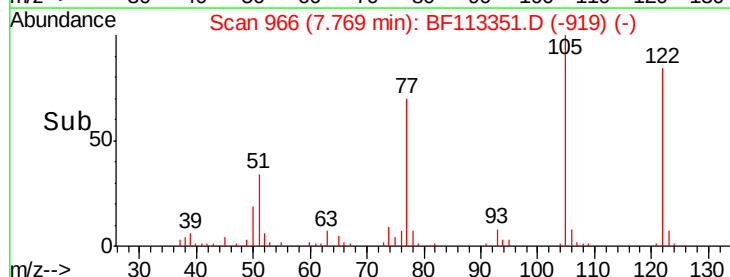


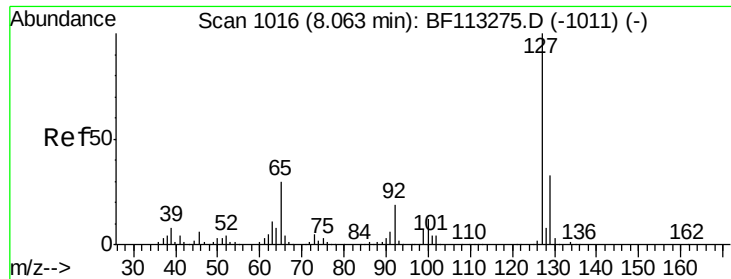
#32
Benzoic acid
Concen: 11.695 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.02 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:122 Resp: 81163
Ion Ratio Lower Upper
122 100
105 120.1 100.4 140.4
77 87.1 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E
500000 Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

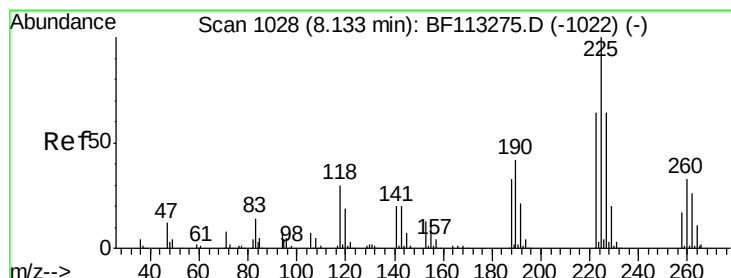
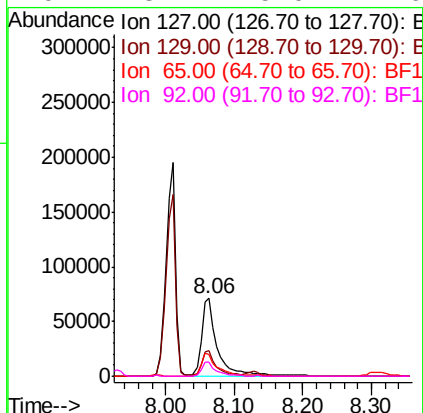
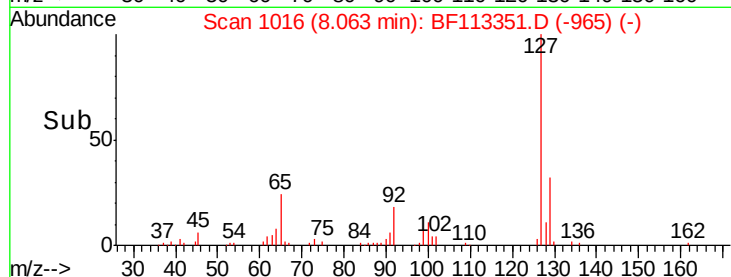
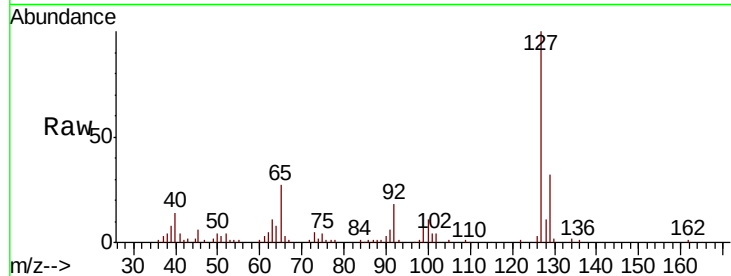




#33
4-Chloroaniline
Concen: 9.506 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

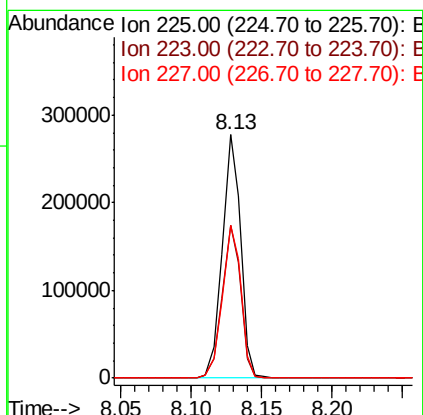
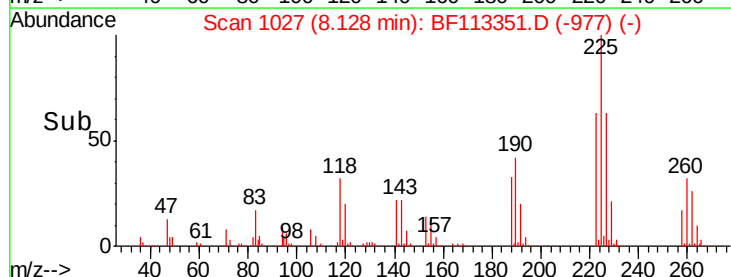
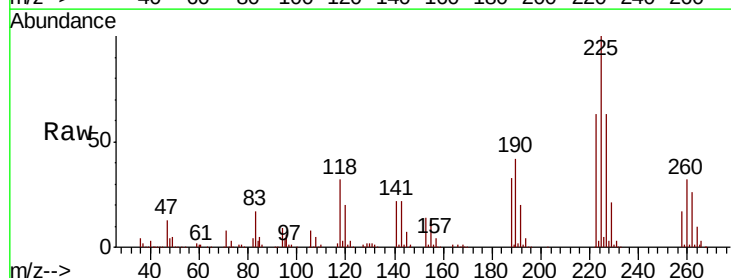
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

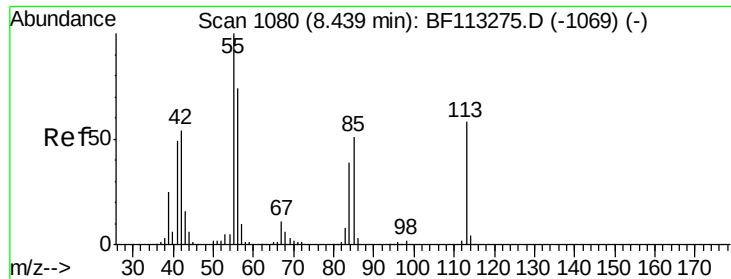
Tot Ion:	127	Resp:	116828
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.3	39.5
65	27.3	24.2	36.4
92	18.1	15.0	22.6



#34
Hexachlorobutadiene
Concen: 41.915 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:	225	Resp:	251127
Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.4	77.2
227	62.9	51.1	76.7

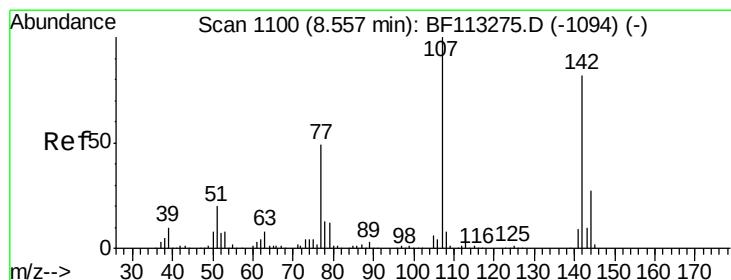
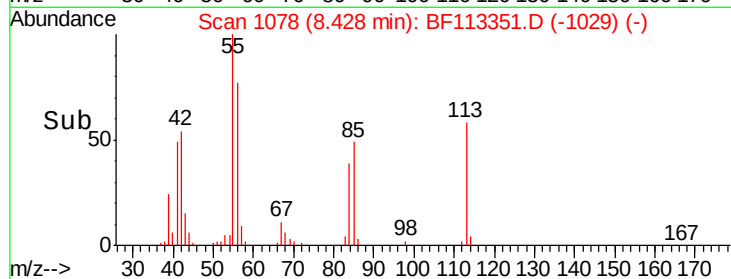
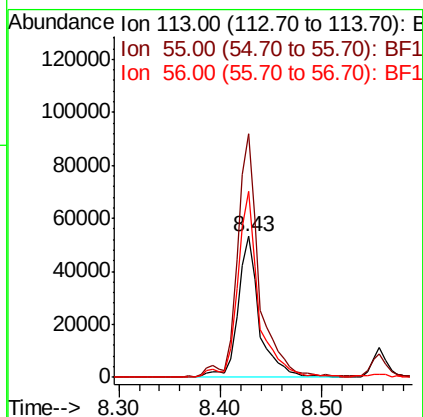
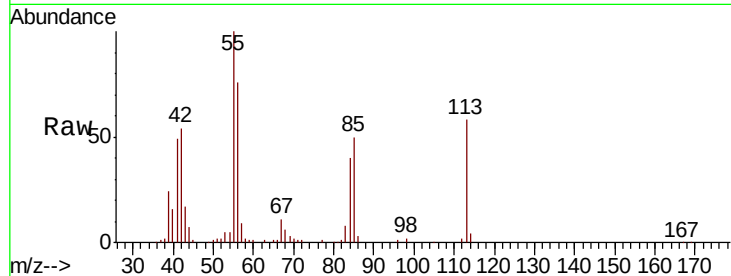




#35
 Caprolactam
 Concen: 25.783 ng
 RT: 8.43 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

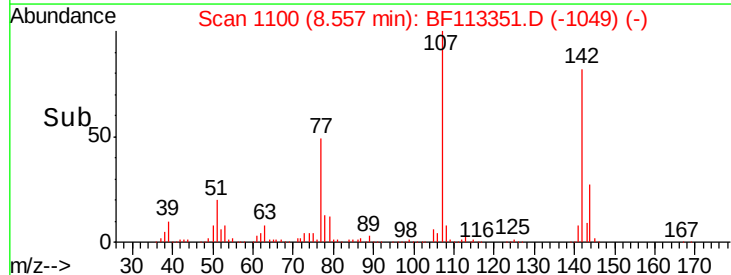
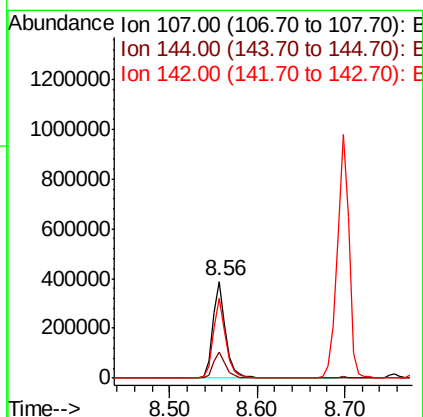
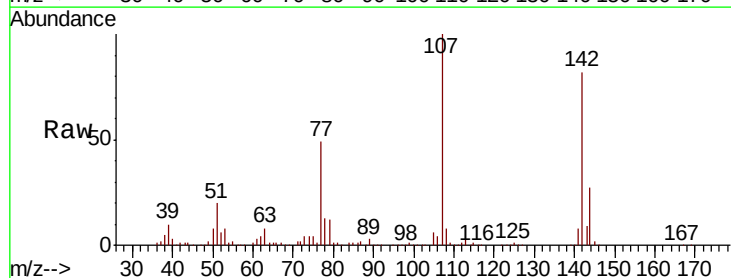
Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

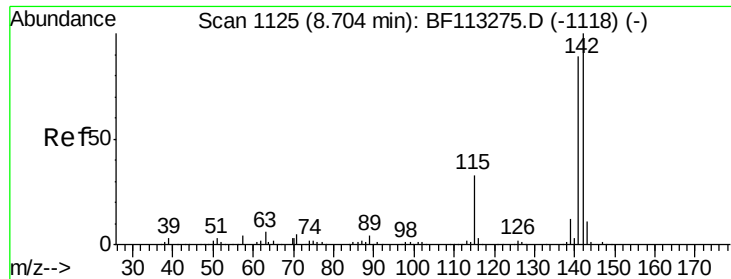
Tot Ion:113 Resp: 77315
 Ion Ratio Lower Upper
 113 100
 55 172.8 152.7 192.7
 56 131.9 108.3 148.3



#36
 4-Chloro-3-methylphenol
 Concen: 41.897 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion:107 Resp: 393732
 Ion Ratio Lower Upper
 107 100
 144 26.6 21.4 32.0
 142 82.1 65.6 98.4

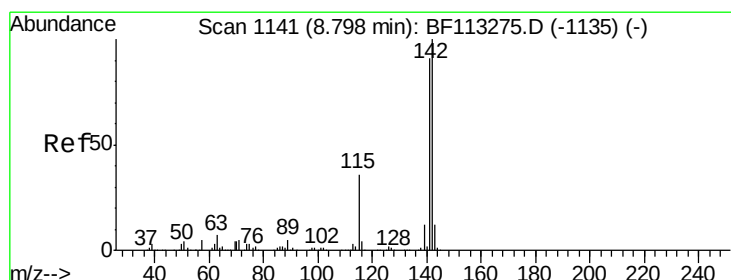
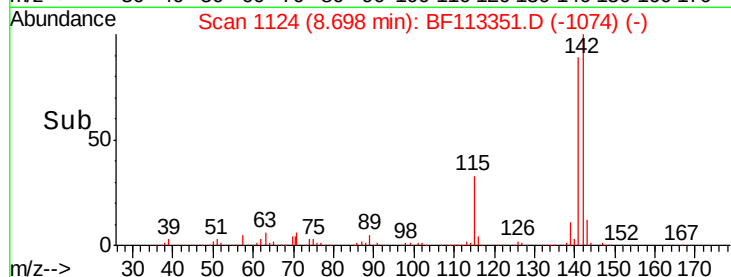
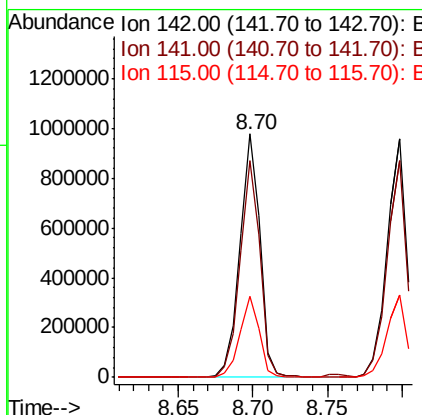
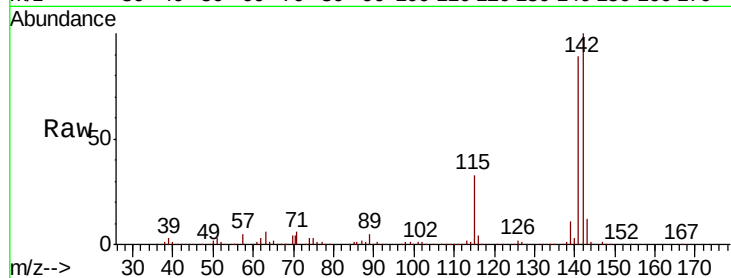




#37
2-Methylnaphthalene
Concen: 46.594 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

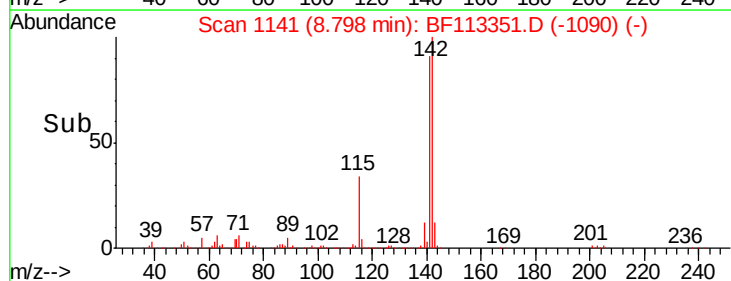
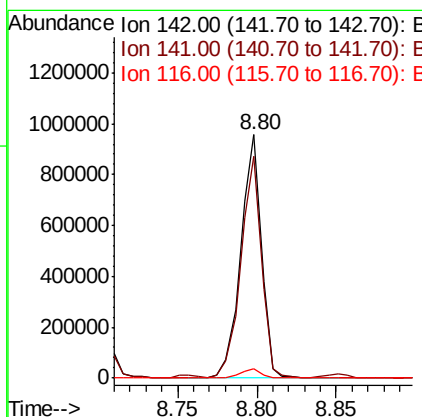
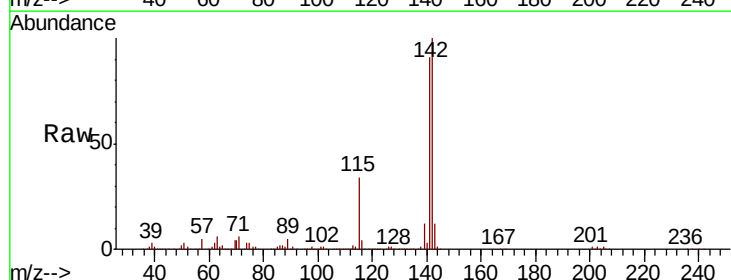
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

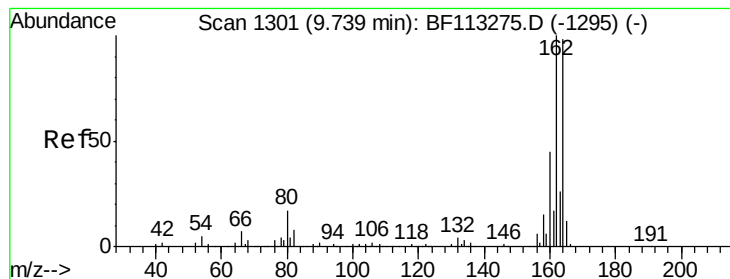
Tot Ion:142 Resp: 916327
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.6
115 33.2 26.6 39.8



#38
1-Methylnaphthalene
Concen: 45.293 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:142 Resp: 856771
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8
116 3.6 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

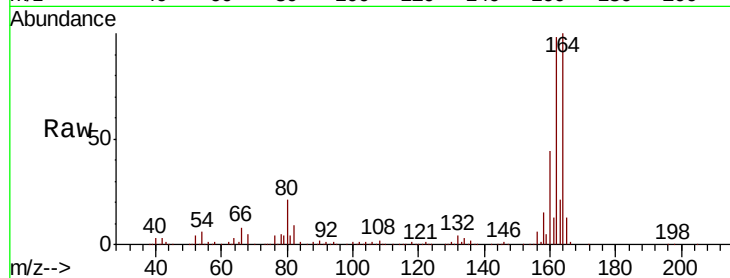
Tot Ion:164 Resp: 299143

Ion Ratio Lower Upper

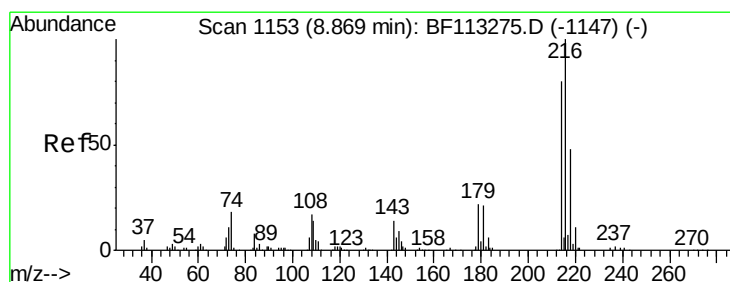
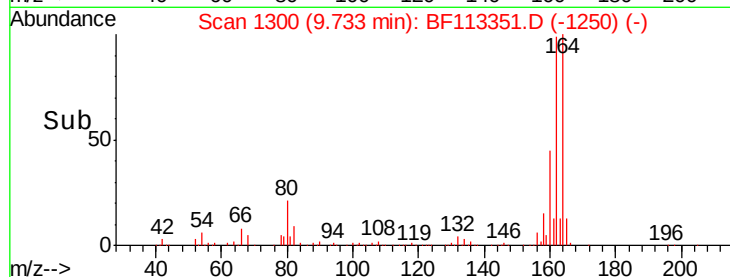
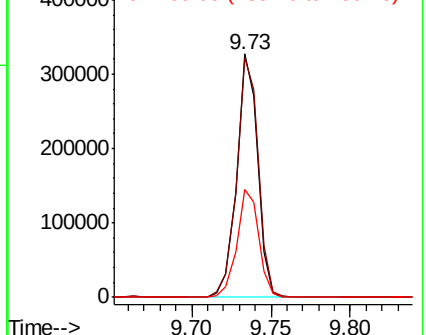
164 100

162 98.5 81.8 122.6

160 44.3 36.4 54.6



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: 44.332 ng

RT: 8.87 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Tgt Ion:216 Resp: 425695

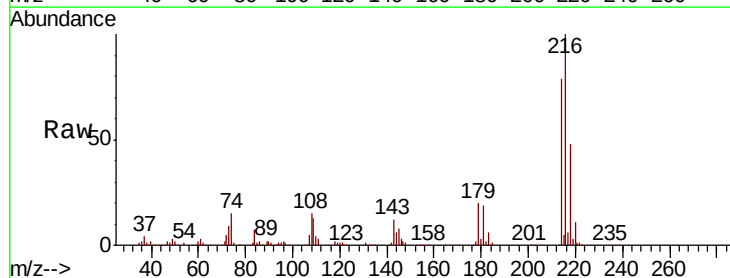
Ion Ratio Lower Upper

216 100

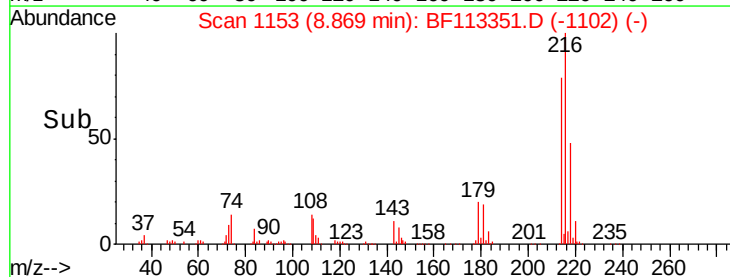
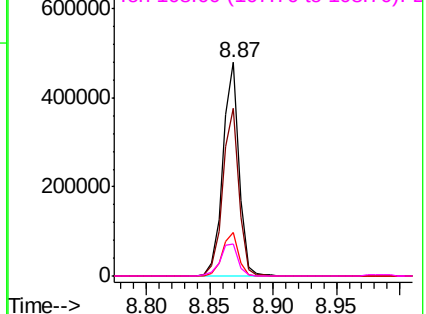
214 79.3 63.0 94.6

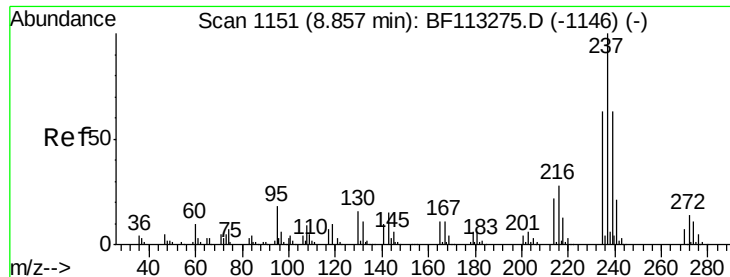
179 20.2 16.8 25.2

108 16.9 13.8 20.6



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 27.506 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

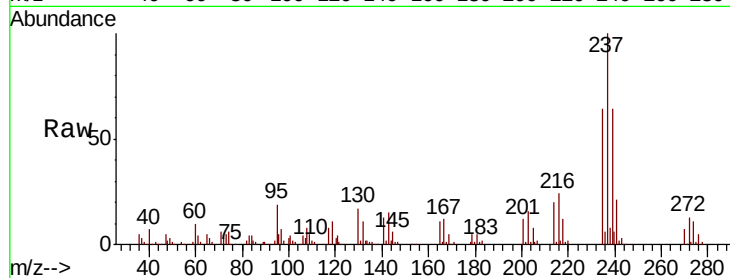
Tot Ion:237 Resp: 111797

Ion Ratio Lower Upper

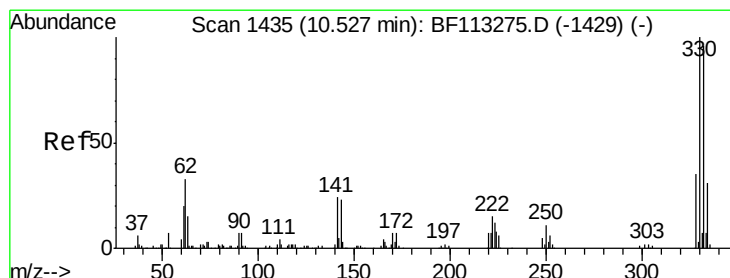
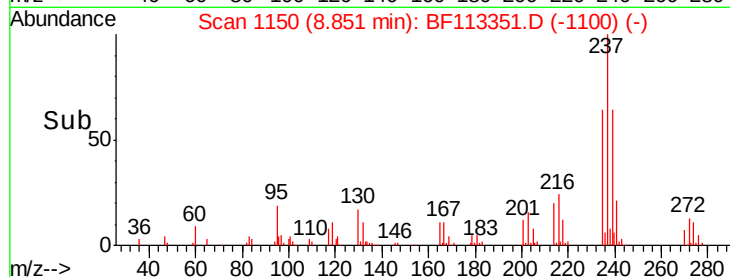
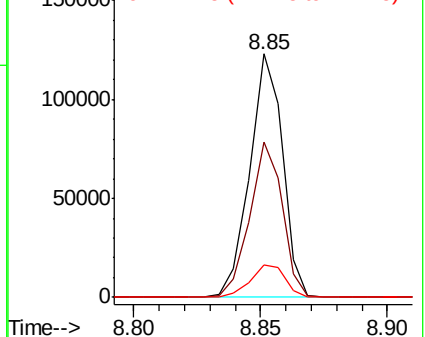
237 100

235 63.6 43.4 83.4

272 13.2 0.0 33.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 114.084 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

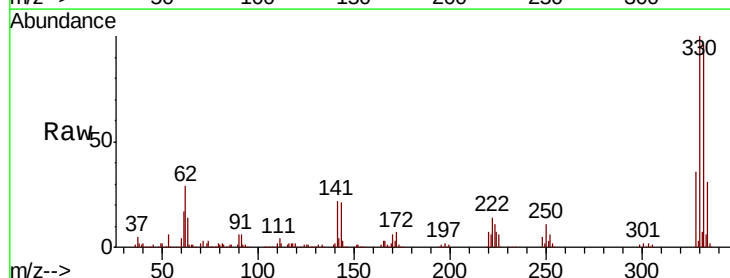
Tgt Ion:330 Resp: 421551

Ion Ratio Lower Upper

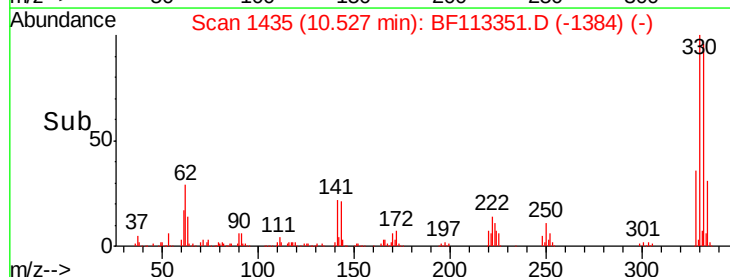
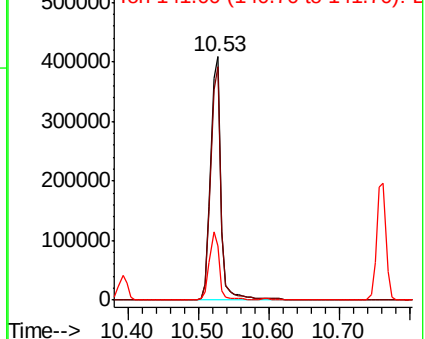
330 100

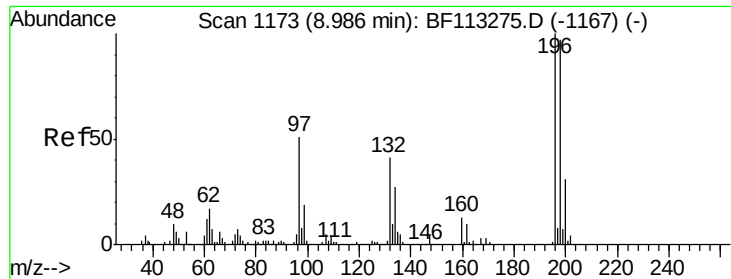
332 96.1 77.8 116.6

141 26.7 22.7 34.1



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

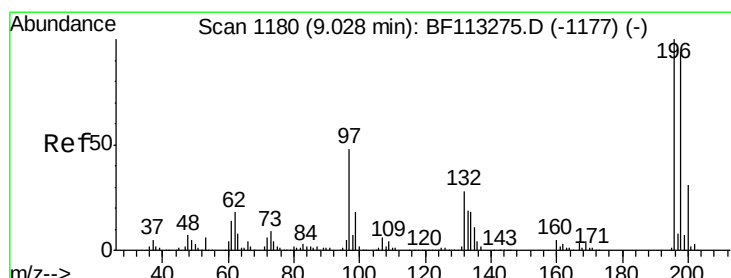
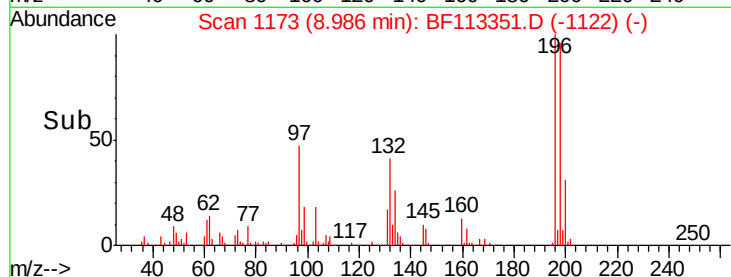
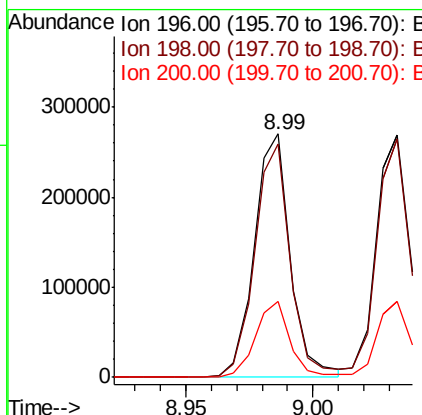
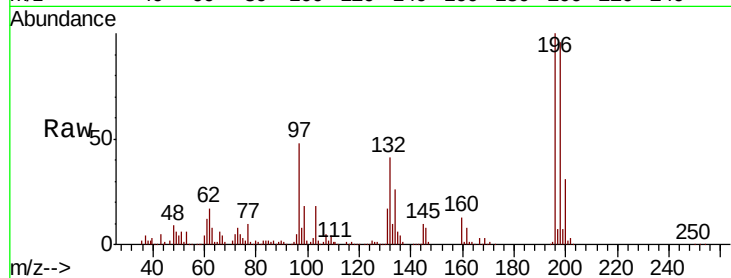




#43
 2,4,6-Trichlorophenol
 Concen: 42.844 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

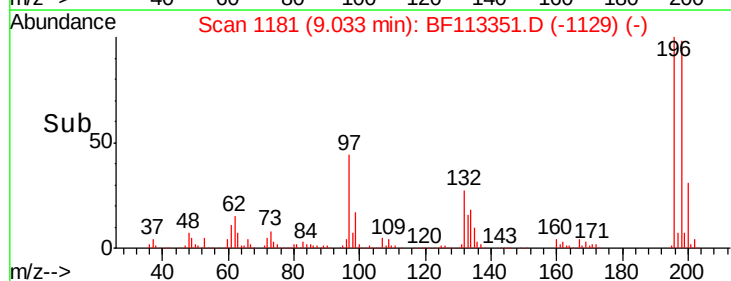
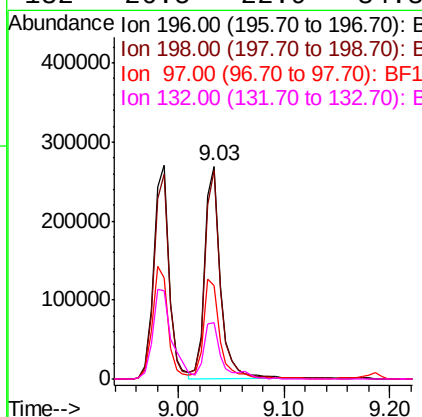
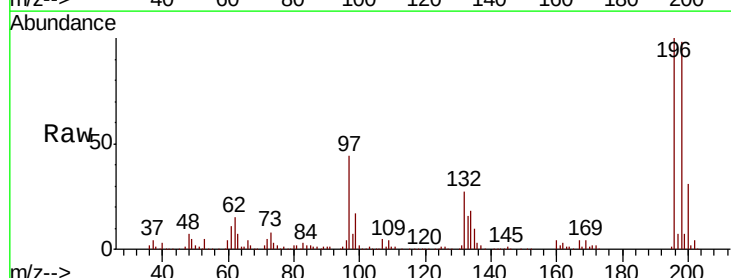
Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

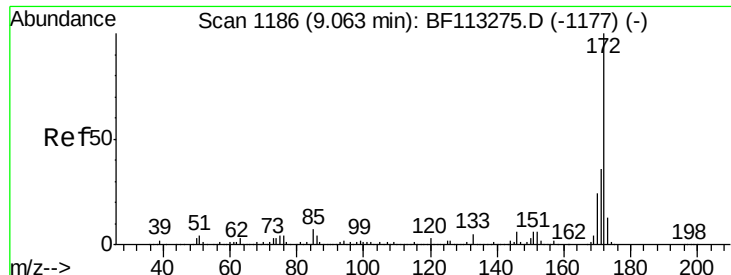
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.7	116.5
200	31.0	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 40.186 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.3	75.4	113.2
97	43.9	38.6	58.0
132	26.5	22.9	34.3

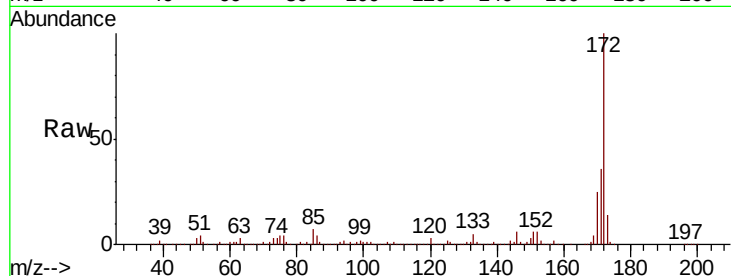




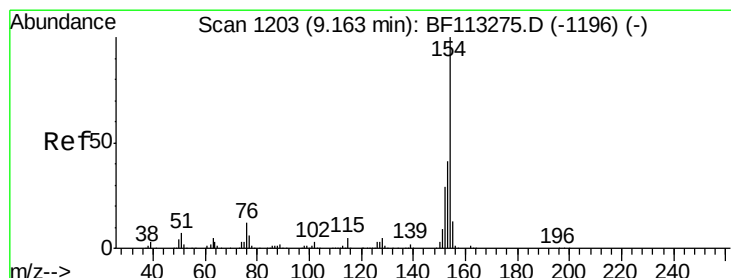
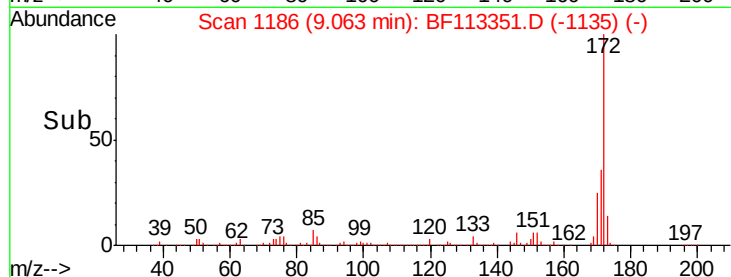
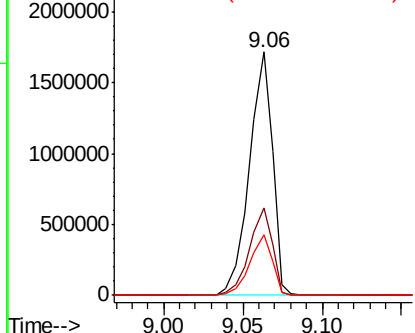
#45
2-Fluorobiphenyl
Concen: 92.469 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:172 Resp: 1735262
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.6
170 24.9 19.5 29.3

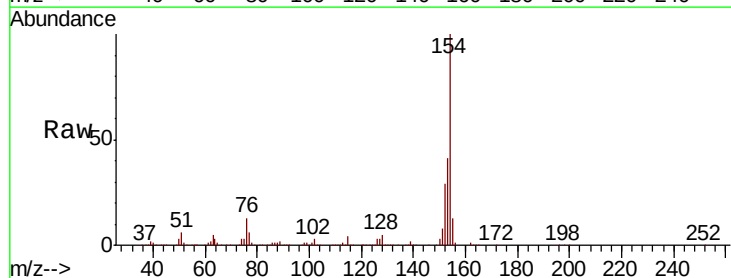


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

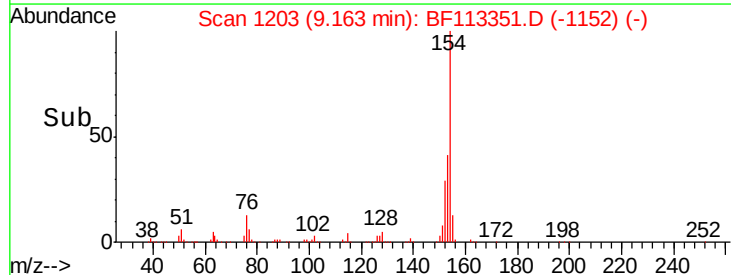
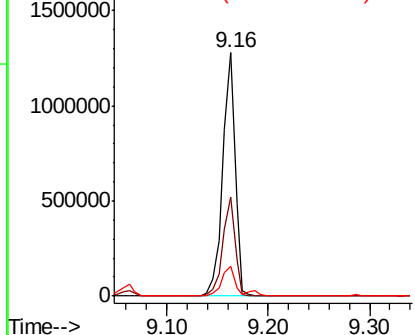


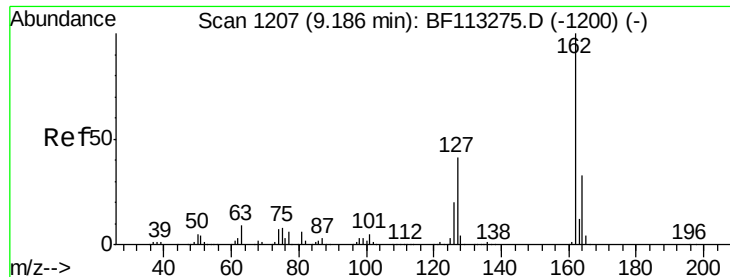
#46
1,1'-Biphenyl
Concen: 43.736 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:154 Resp: 1092707
Ion Ratio Lower Upper
154 100
153 40.6 20.8 60.8
76 12.5 0.0 31.9



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

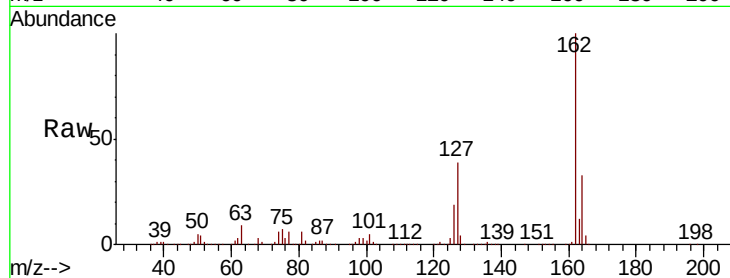




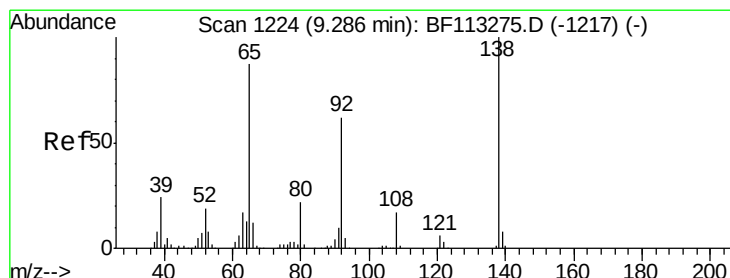
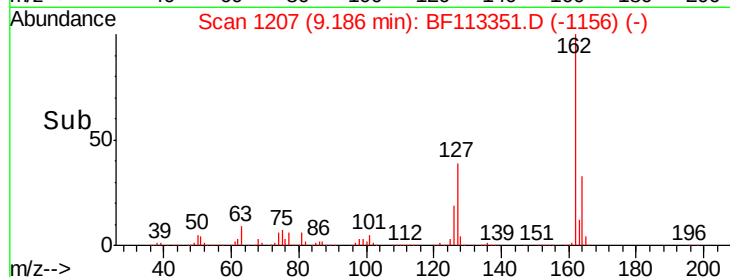
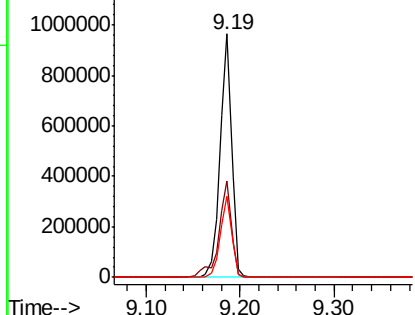
#47
2-Chloronaphthalene
Concen: 43.389 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.4	32.6	49.0
164	33.2	26.6	39.8

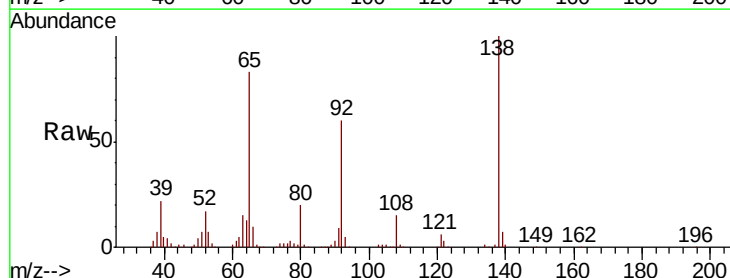


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

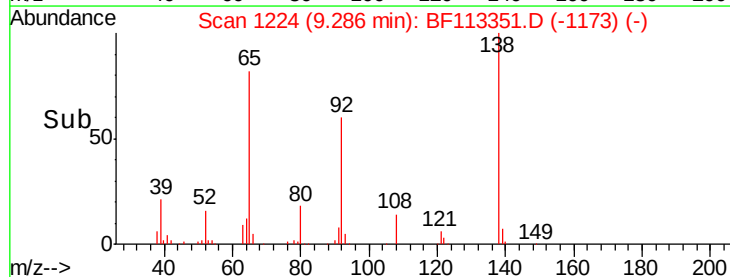
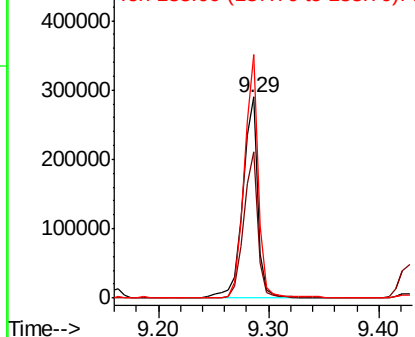


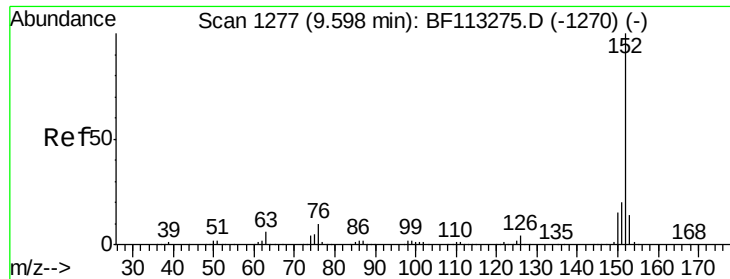
#48
2-Nitroaniline
Concen: 46.229 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.7	56.8	85.2
138	121.2	92.3	138.5



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.298 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

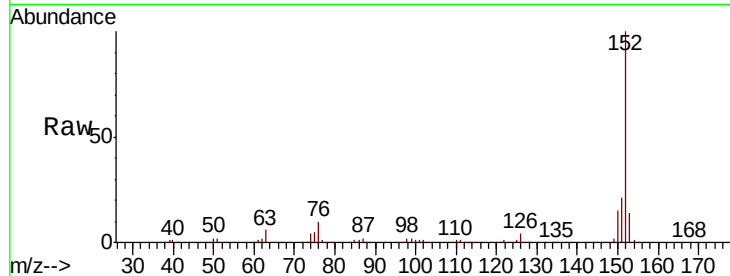
Tot Ion:152 Resp: 1315641

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4

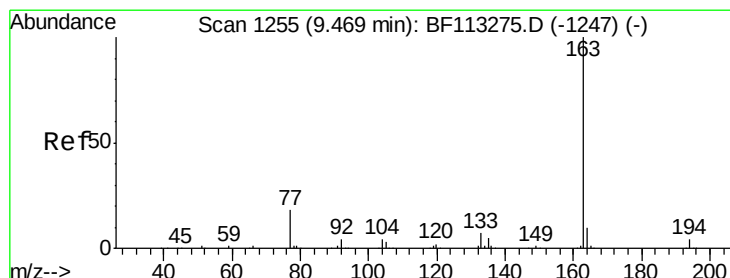
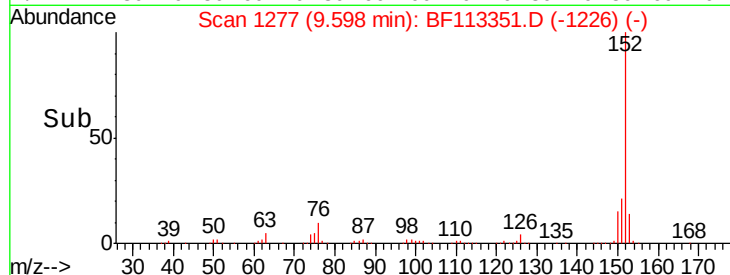
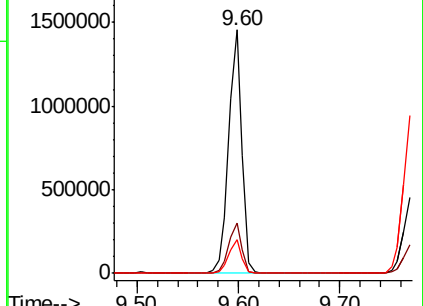
153 13.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.978 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

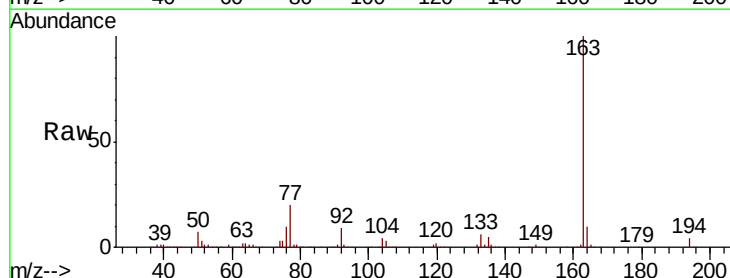
Tgt Ion:163 Resp: 974938

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

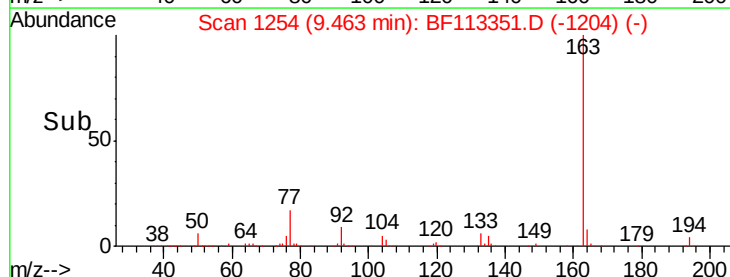
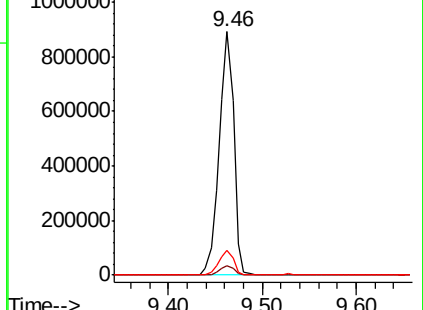
164 10.3 8.1 12.1

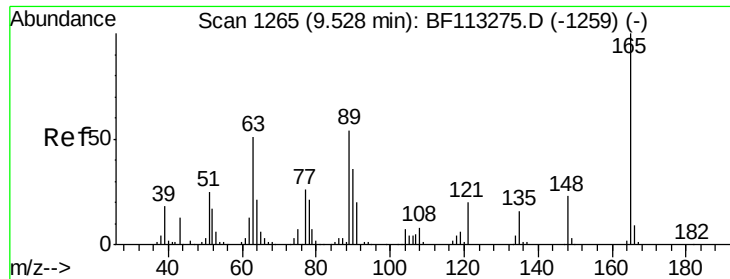


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

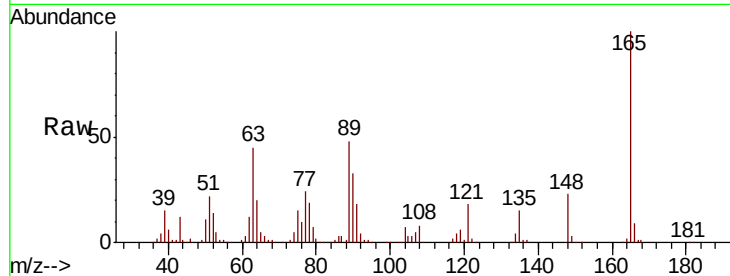




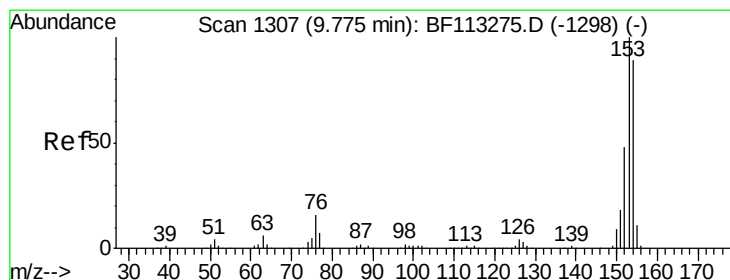
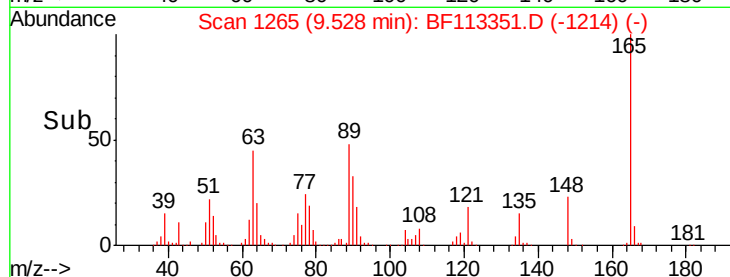
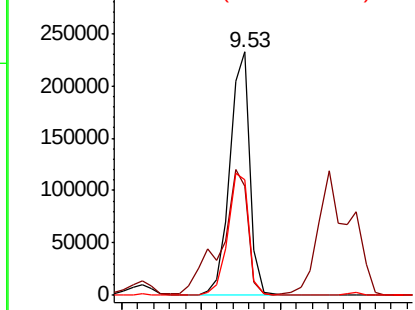
#51
 2,6-Dinitrotoluene
 Concen: 40.672 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.7	43.4	65.0
89	47.6	43.1	64.7

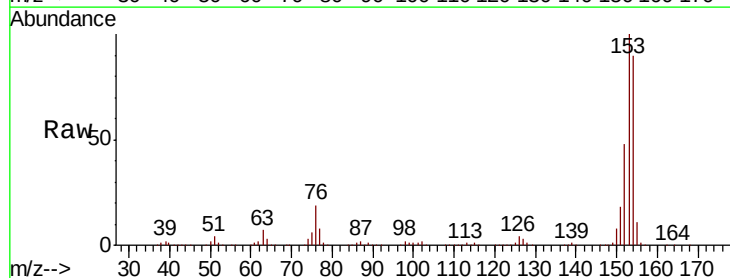


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

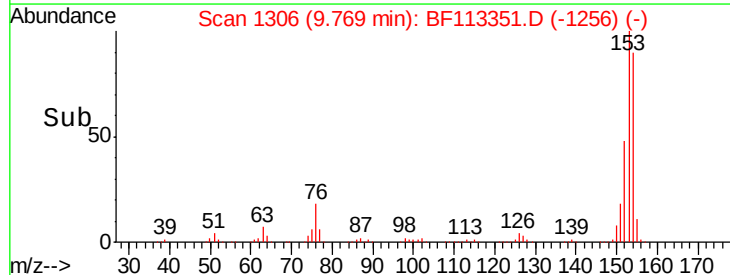
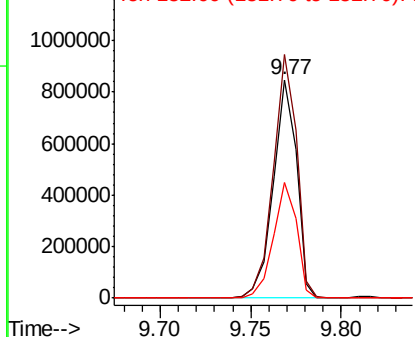


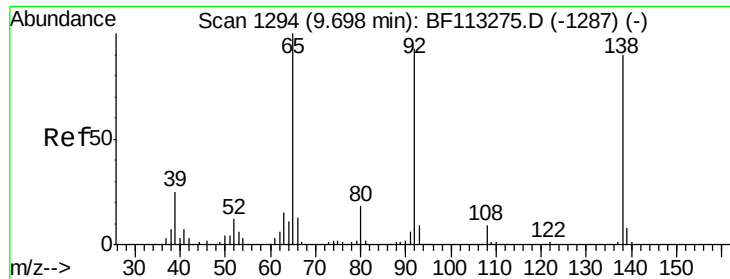
#52
 Acenaphthene
 Concen: 43.351 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.5	134.3
152	53.2	43.3	64.9



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

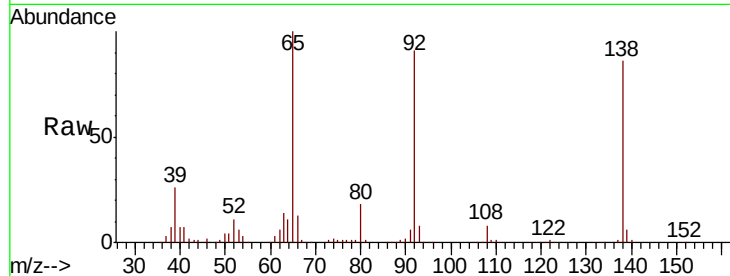




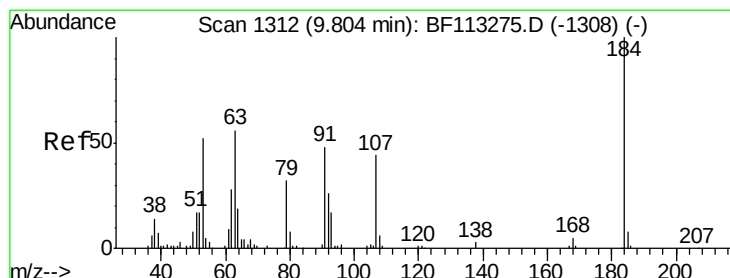
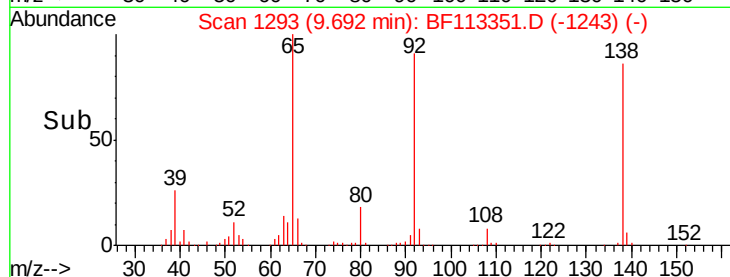
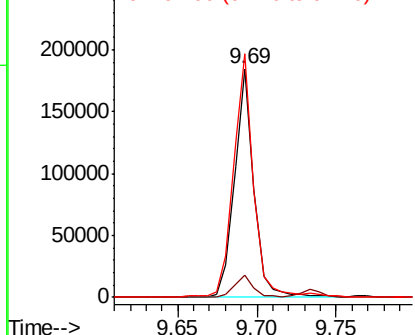
#53
3-Nitroaniline
Concen: 27.758 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:138 Resp: 156553
Ion Ratio Lower Upper
138 100
108 9.5 7.8 11.6
92 106.5 82.6 124.0

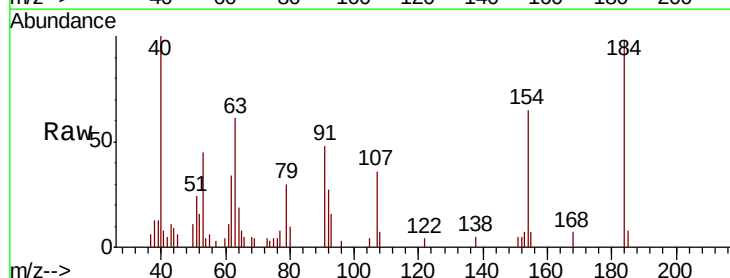


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

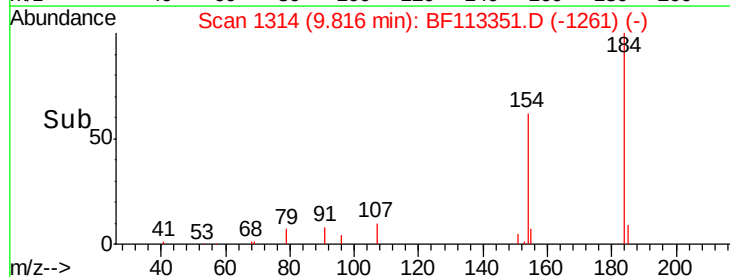
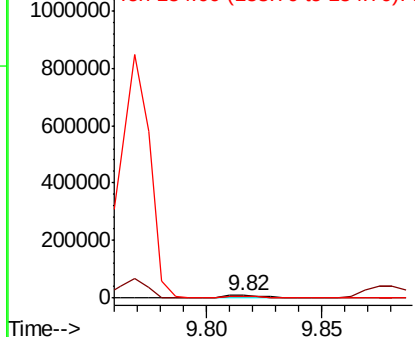


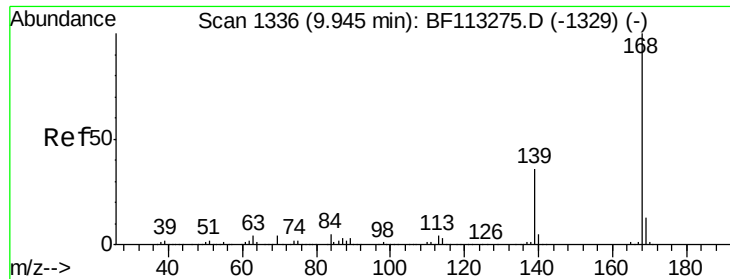
#54
2,4-Dinitrophenol
Concen: 5.886 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:184 Resp: 14641
Ion Ratio Lower Upper
184 100
63 62.4 54.3 81.5
154 66.0 48.4 72.6



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: 43.132 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

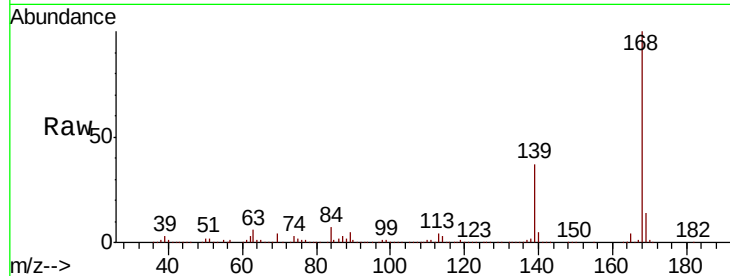
Tot Ion:168 Resp: 1135778

Ion Ratio Lower Upper

168 100

139 36.8 29.7 44.5

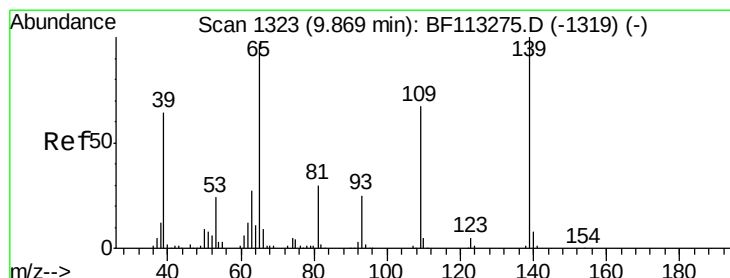
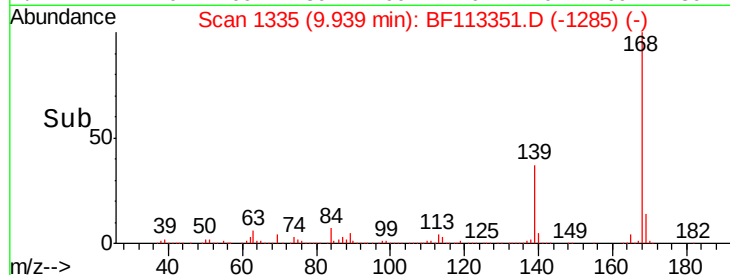
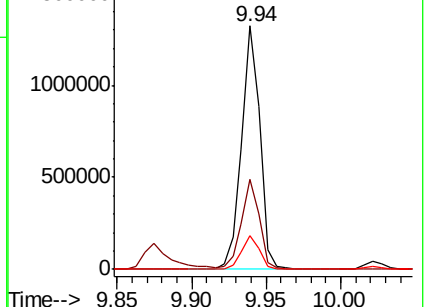
169 13.8 10.7 16.1



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: 42.933 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

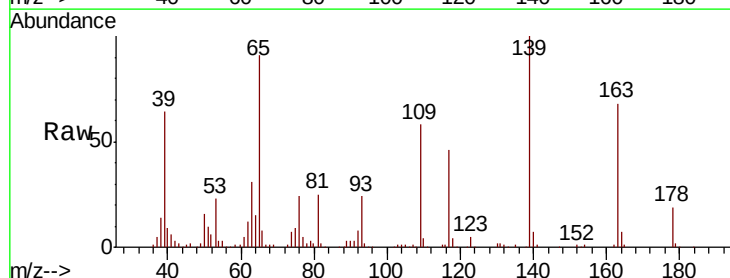
Tgt Ion:139 Resp: 172633

Ion Ratio Lower Upper

139 100

109 58.5 46.9 86.9

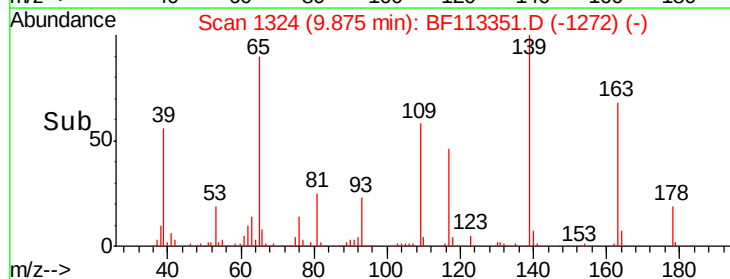
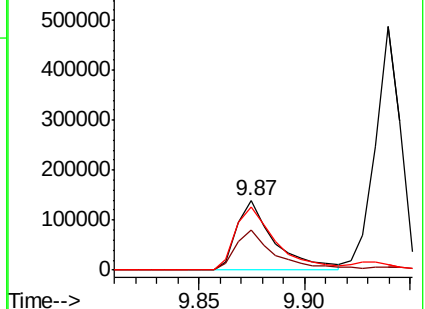
65 91.3 77.2 117.2

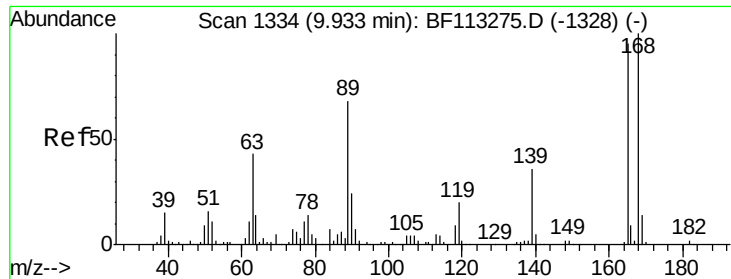


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

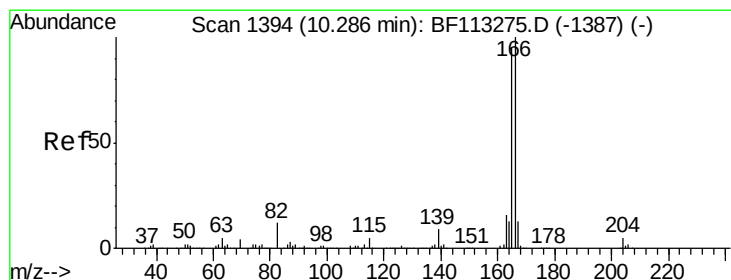
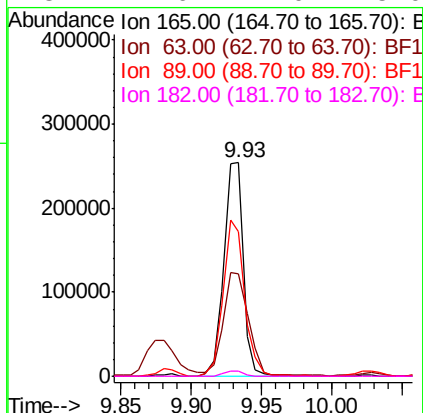
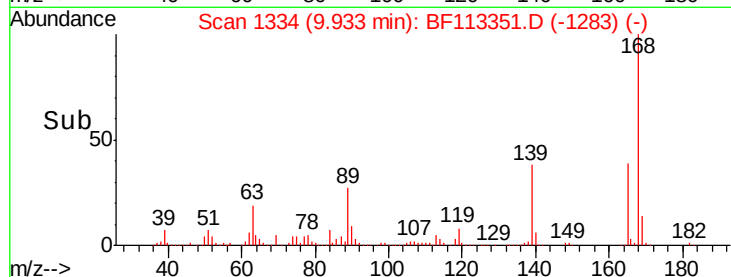
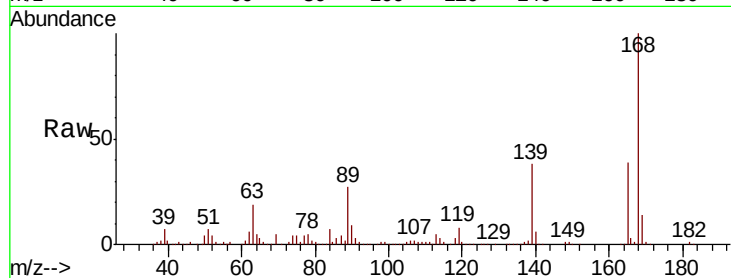




#57
2,4-Dinitrotoluene
Concen: 38.642 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

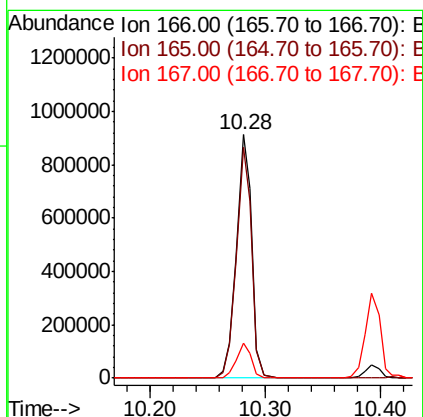
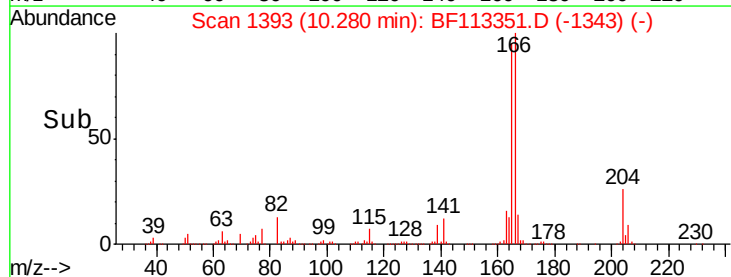
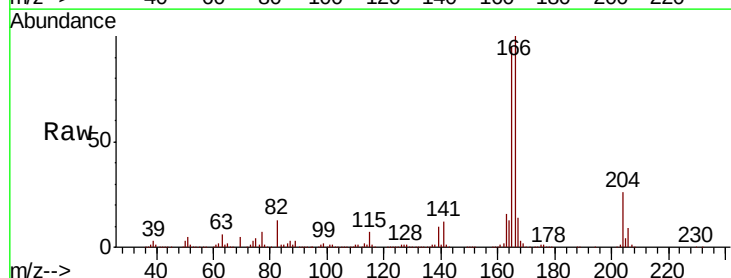
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

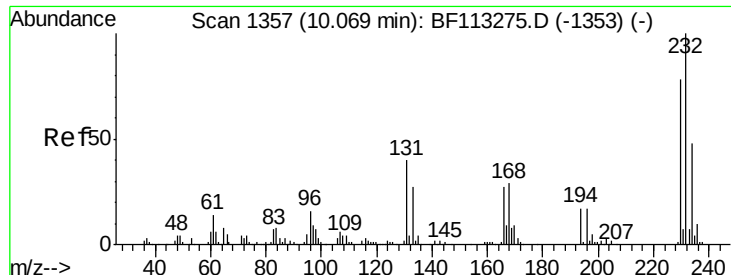
Tot Ion	Ratio	Lower	Upper
165	100		
63	47.7	37.5	56.3
89	67.8	57.4	86.2
182	2.6	2.0	3.0



#58
Fluorene
Concen: 40.815 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.0	76.2	114.2
167	14.1	10.7	16.1

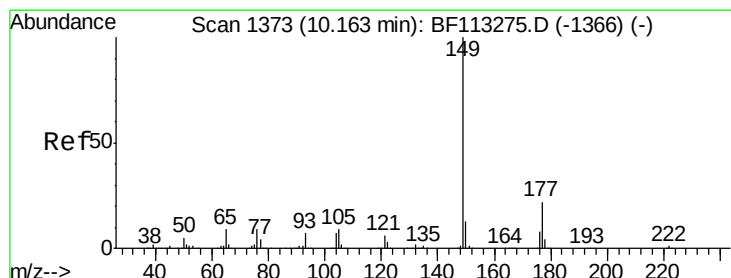
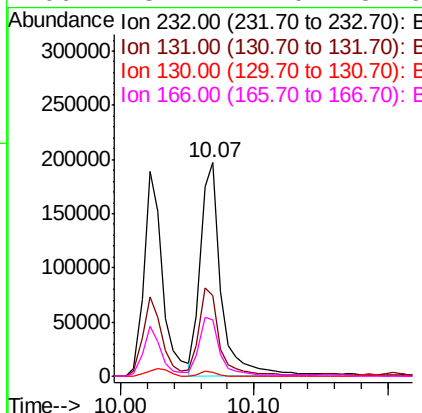
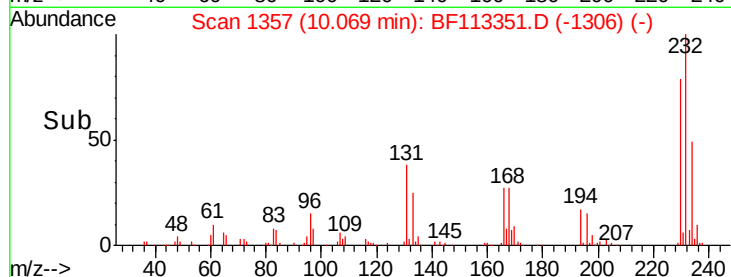
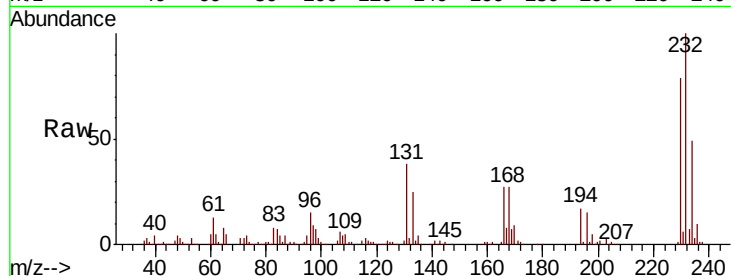




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 35.642 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

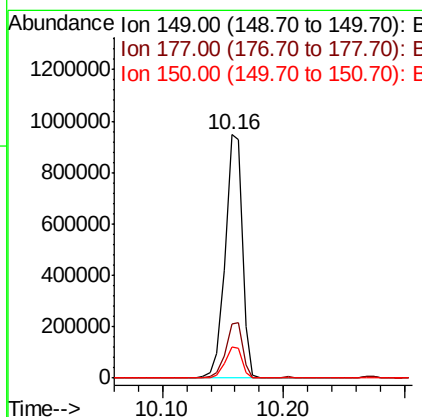
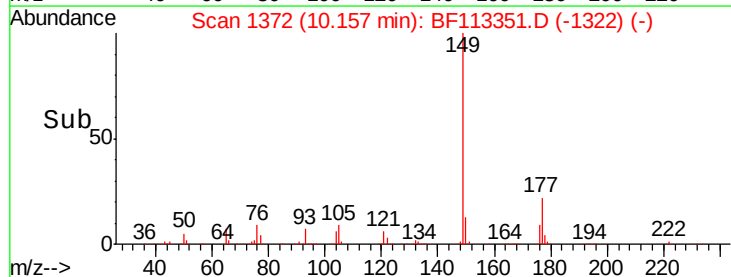
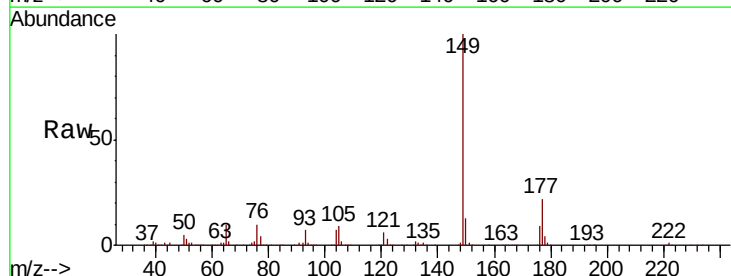
Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

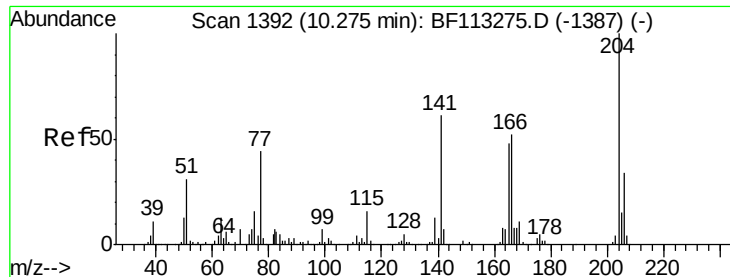
Tot Ion:	232	Resp:	208578
Ion	Ratio	Lower	Upper
232	100		
131	40.6	33.2	49.8
130	2.0	1.6	2.4
166	28.1	21.0	31.6



#60
 Diethylphthalate
 Concen: 42.861 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion:	149	Resp:	932118
Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.0
150	12.9	10.0	15.0

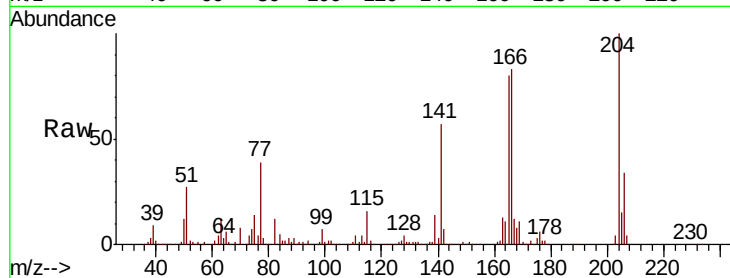




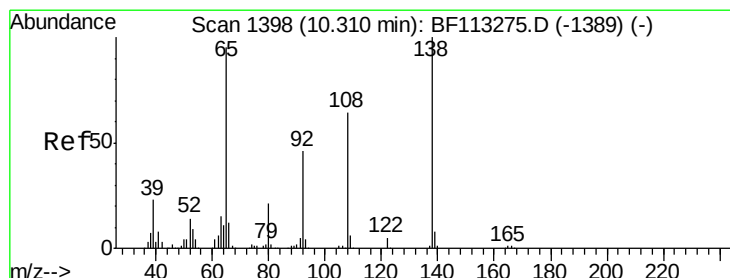
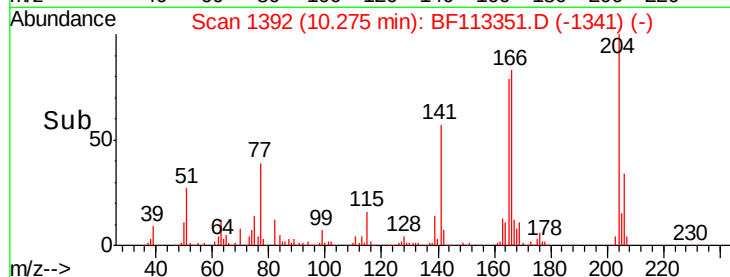
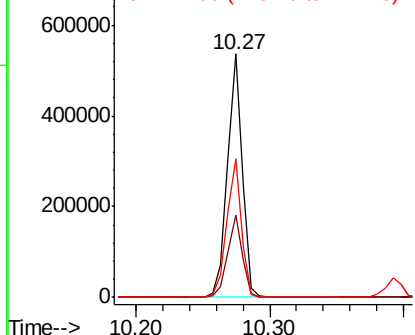
#61
4-Chlorophenyl-phenylether
Concen: 42.505 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:204 Resp: 423776
Ion Ratio Lower Upper
204 100
206 33.6 26.9 40.3
141 56.8 48.8 73.2

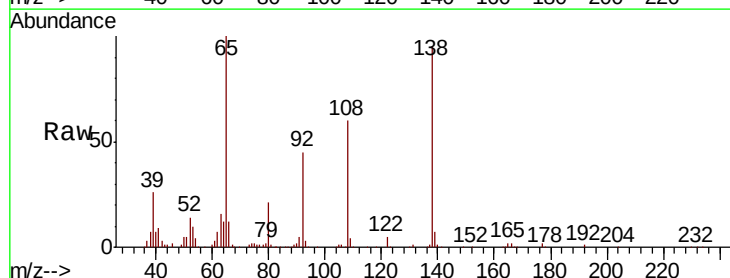


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

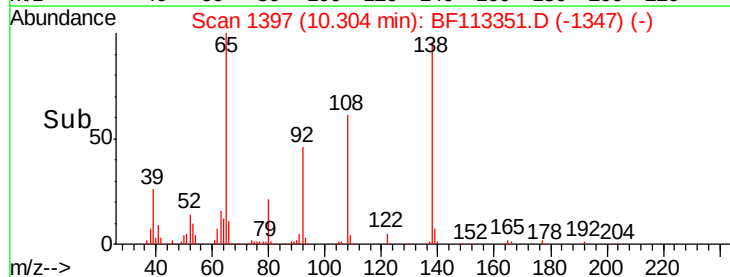
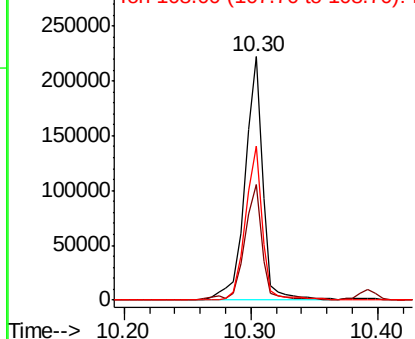


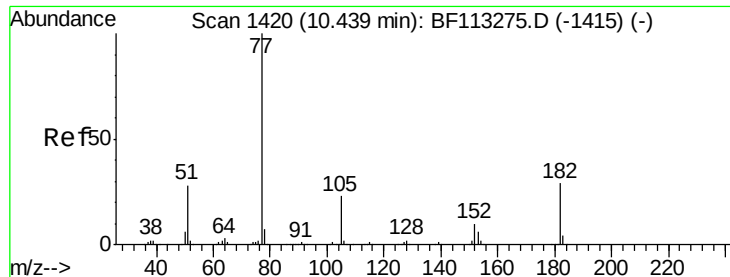
#62
4-Nitroaniline
Concen: 37.137 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:138 Resp: 215650
Ion Ratio Lower Upper
138 100
92 47.4 25.8 65.8
108 63.2 44.0 84.0



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: 42.298 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

Tot Ion: 77 Resp: 865912

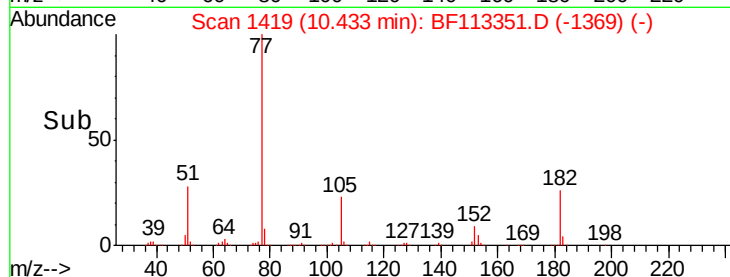
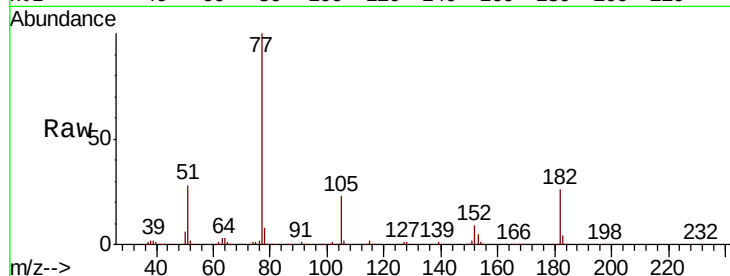
Ion Ratio Lower Upper

77 100

182 26.3 8.7 48.7

105 23.1 2.9 42.9

51 28.4 8.8 48.8

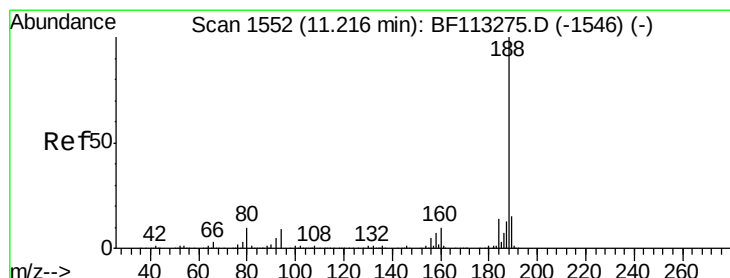
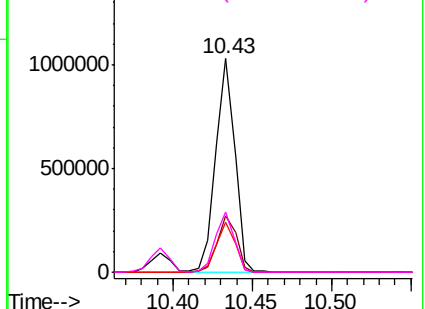


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

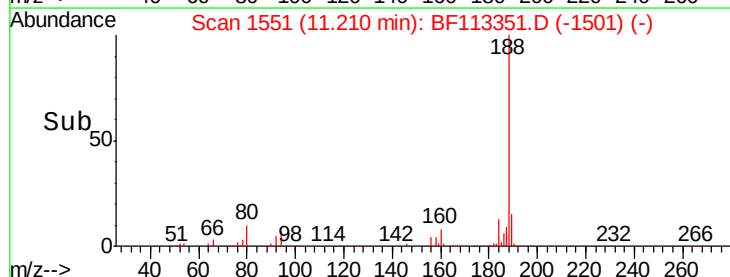
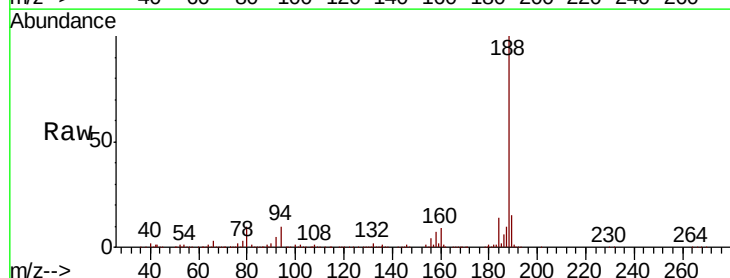
Tgt Ion: 188 Resp: 523501

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

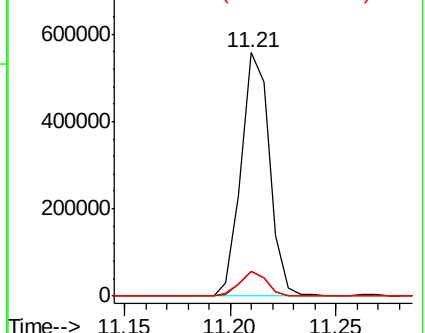
80 10.4 7.7 11.5

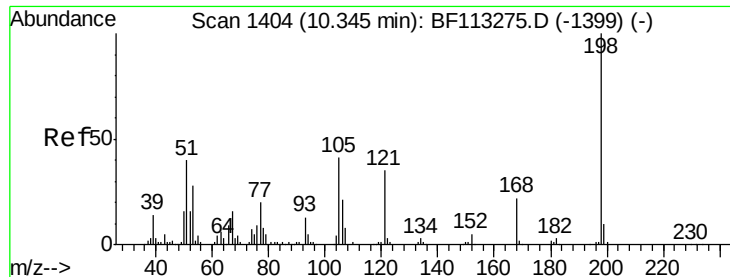


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

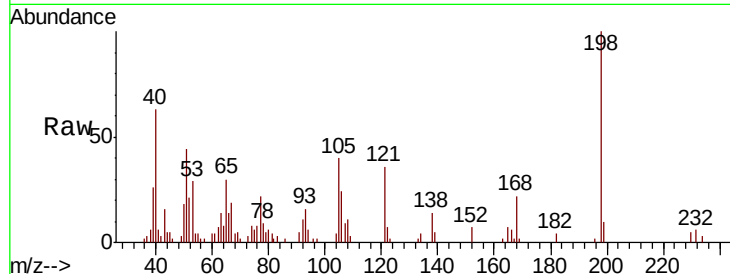




#65
4,6-Dinitro-2-methylphenol
Concen: 6.238 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion	198	Resp	17864
Ion Ratio	100	Lower	Upper
51	44.5	21.6	61.6
105	39.8	20.6	60.6

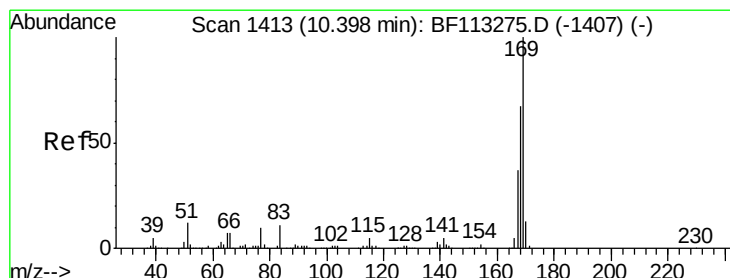
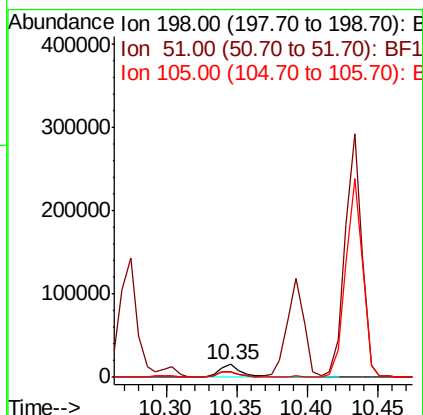
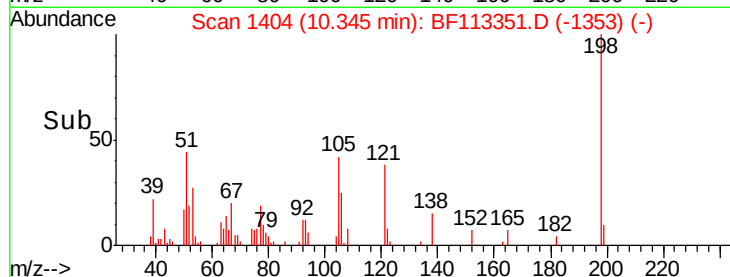


Abundance

Ion 198.00 (197.70 to 198.70): E

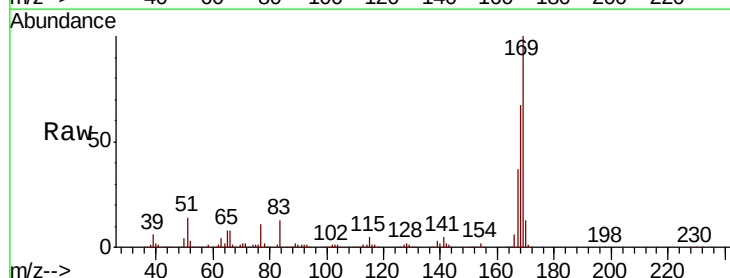
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 49.051 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion	169	Resp	787944
Ion Ratio	100	Lower	Upper
168	66.9	53.7	80.5
167	37.0	29.5	44.3

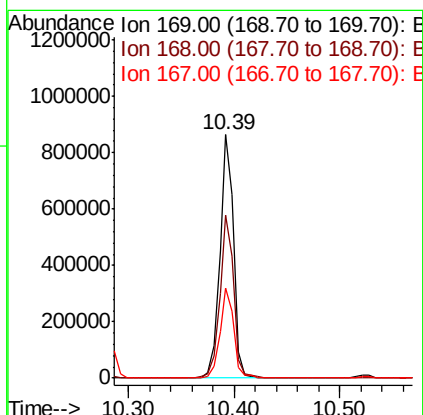
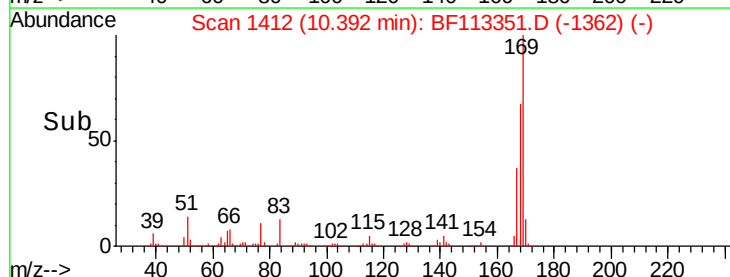


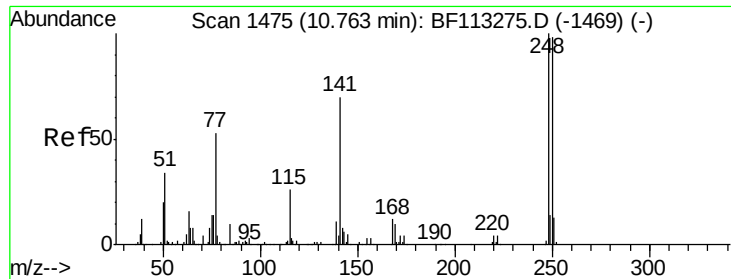
Abundance

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

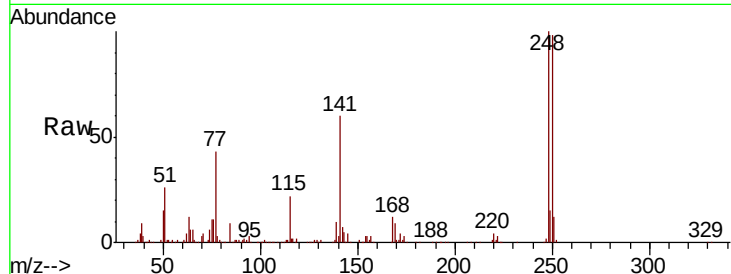




#67
4-Bromophenyl-phenylether
Concen: 48.611 ng
RT: 10.76 min Scan# 1475
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.3	117.5
141	59.8	56.2	84.4

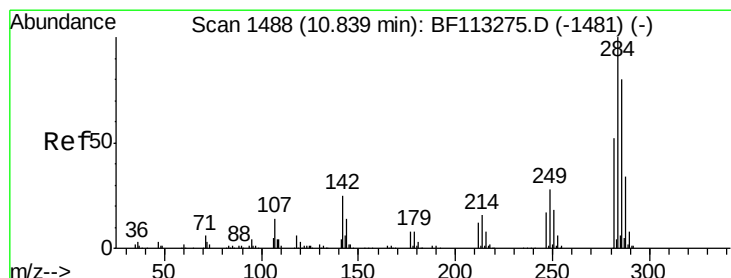
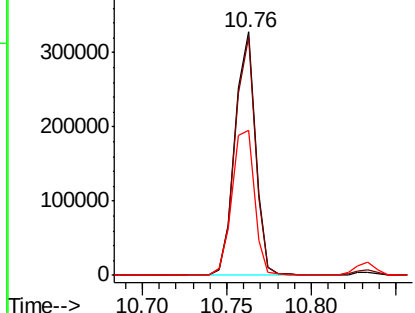
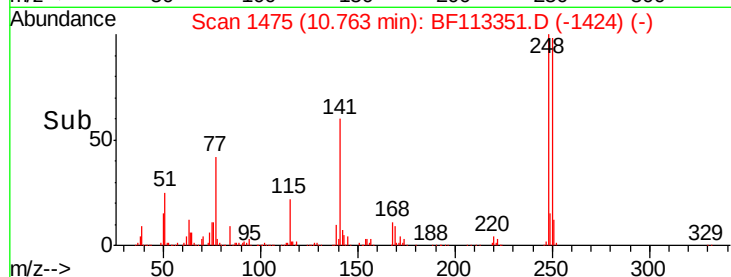


Abundance

Ion 248.00 (247.70 to 248.70): E

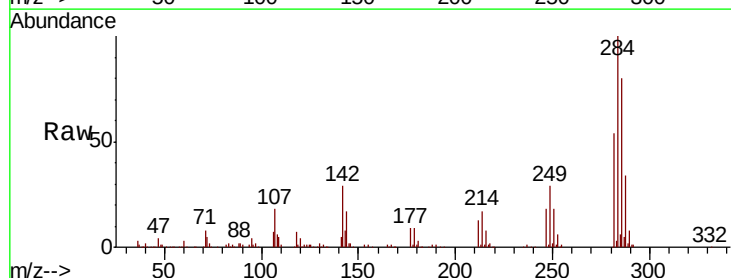
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 46.456 ng
RT: 10.83 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.6	20.1	30.1
249	28.8	22.7	34.1

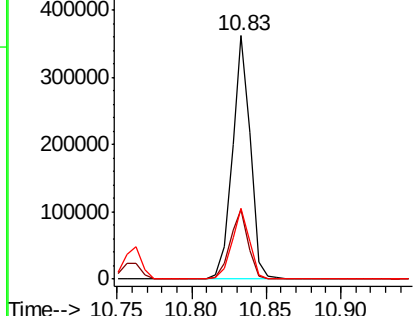
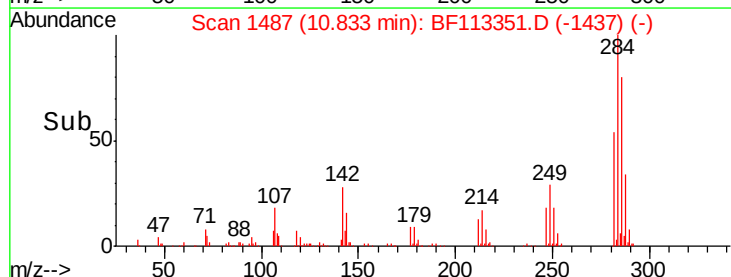


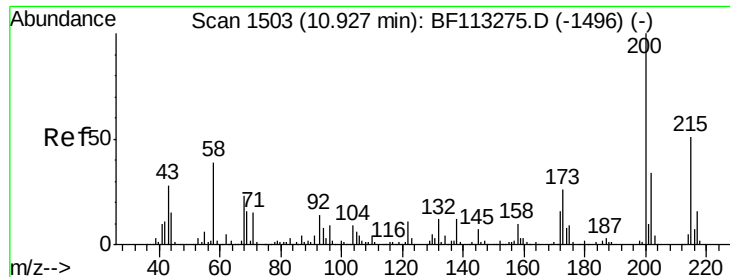
Abundance

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

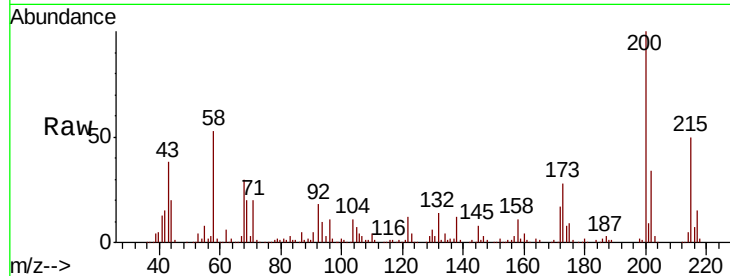




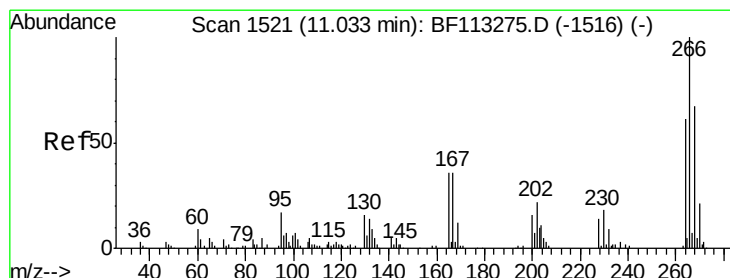
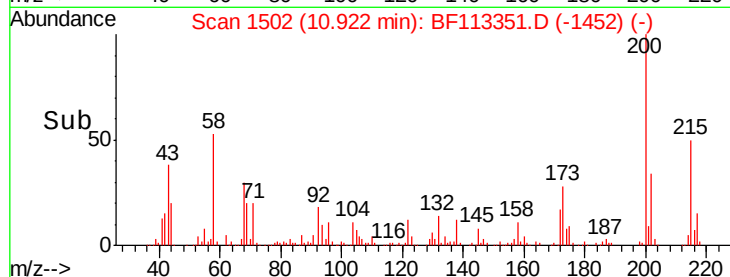
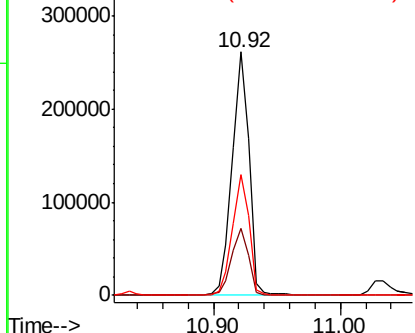
#69
Atrazine
Concen: 46.992 ng
RT: 10.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:200 Resp: 238263
Ion Ratio Lower Upper
200 100
173 27.7 6.0 46.0
215 49.6 31.3 71.3

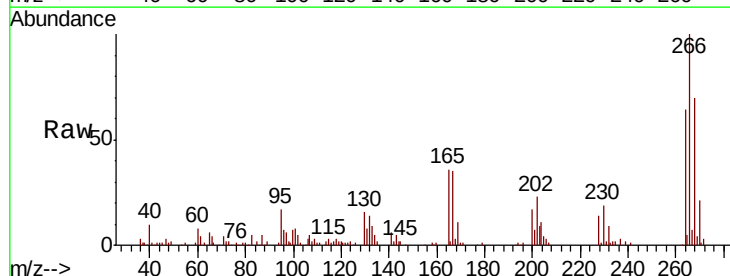


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

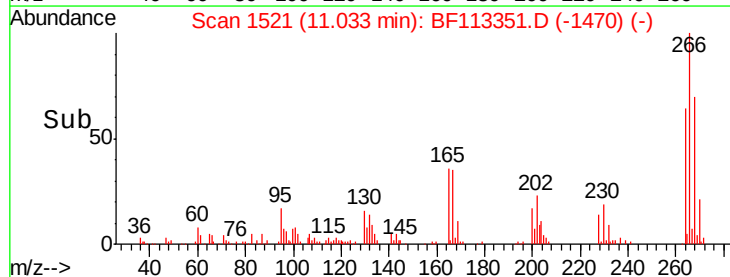
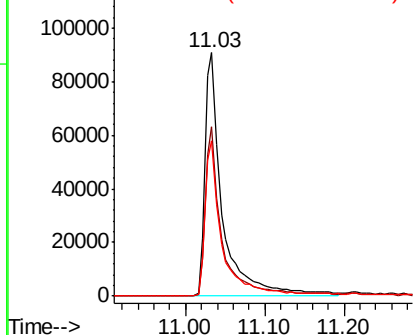


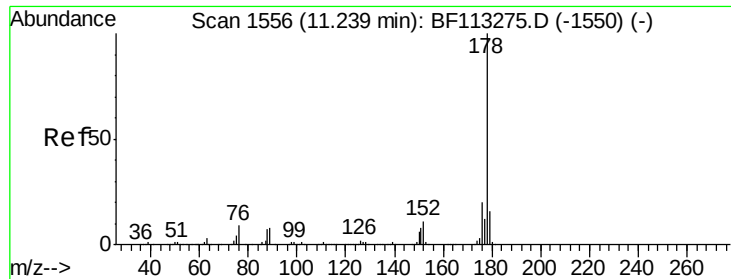
#70
Pentachlorophenol
Concen: 41.123 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:266 Resp: 141896
Ion Ratio Lower Upper
266 100
268 69.6 53.8 80.6
264 64.0 49.2 73.8



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

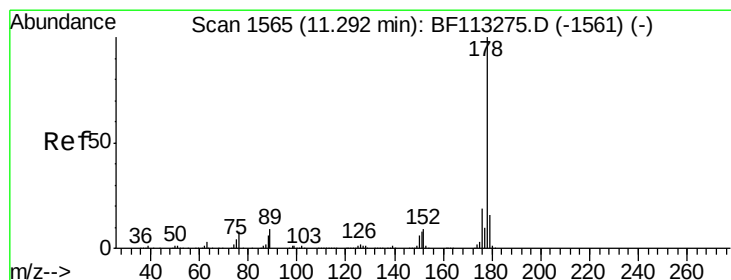
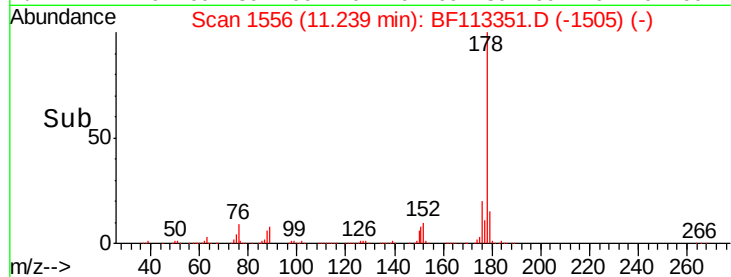
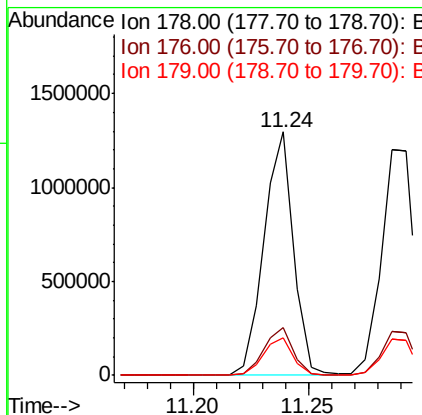
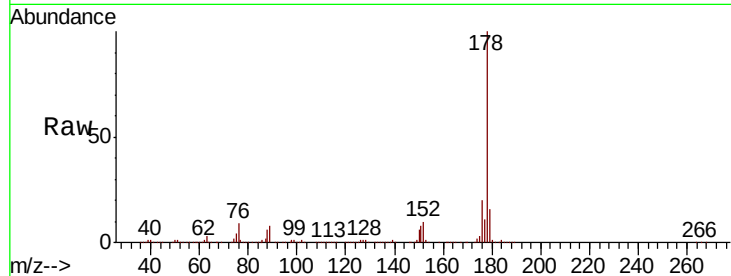




#71
Phenanthrene
Concen: 44.342 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

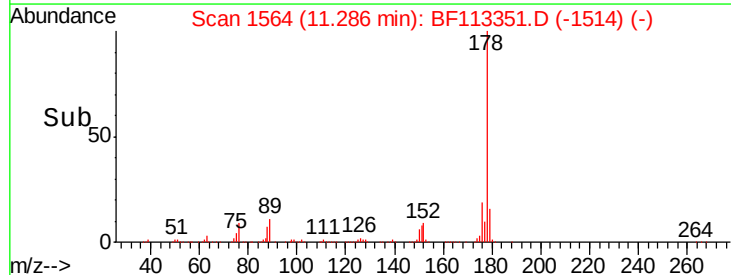
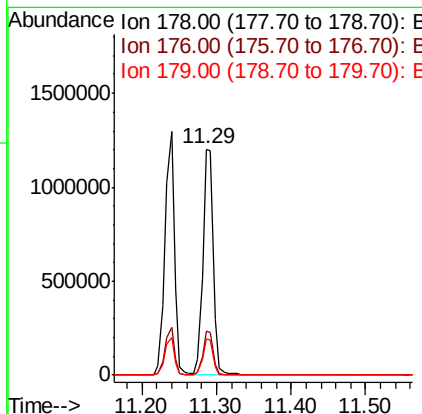
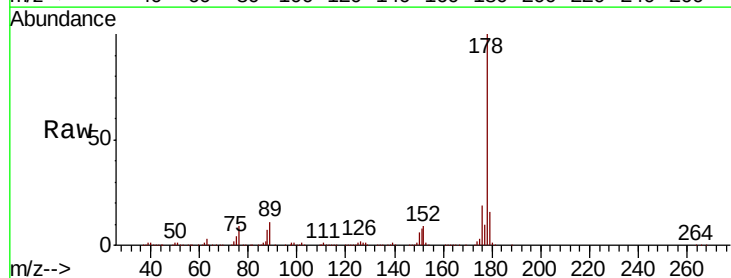
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

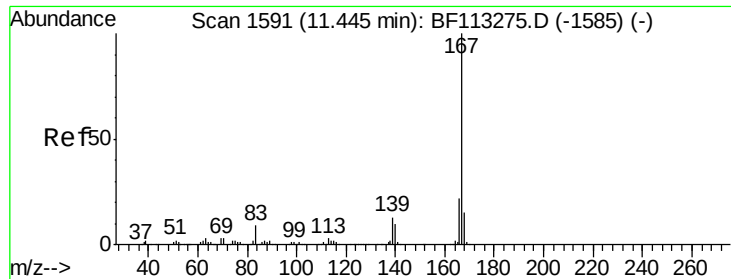
Tot Ion:178 Resp: 1152777
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 15.6 12.7 19.1



#72
Anthracene
Concen: 45.603 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:178 Resp: 1204201
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.1 12.8 19.2

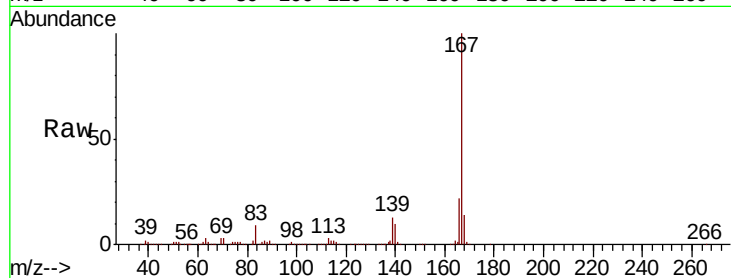




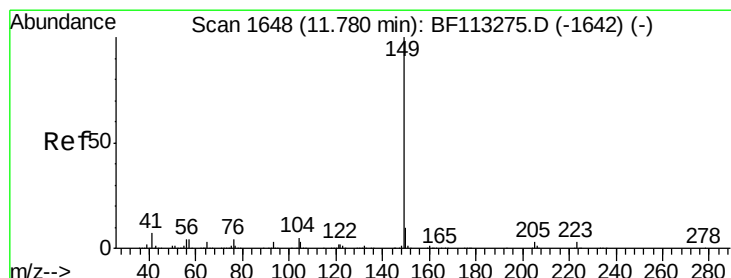
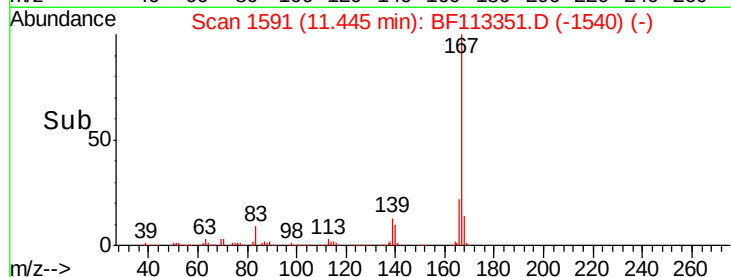
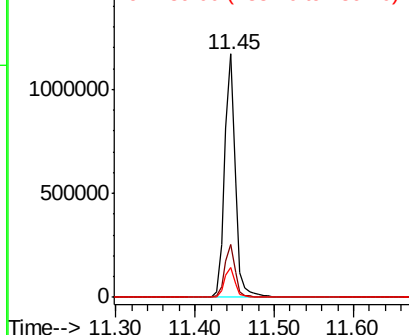
#73
 Carbazole
 Concen: 43.287 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 CS-11MSD

Tot Ion:167 Resp: 1090721
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 12.5 10.4 15.6

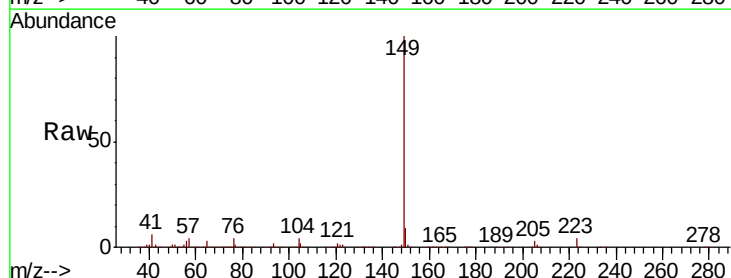


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

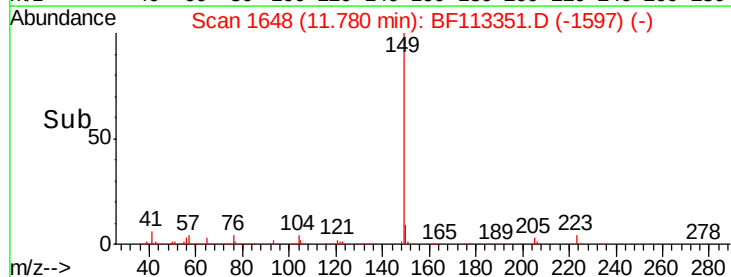
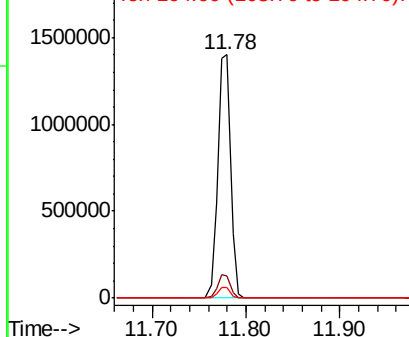


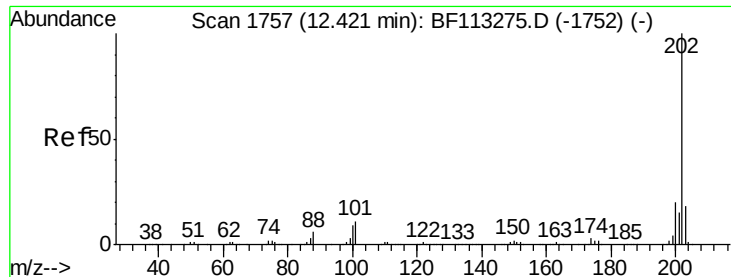
#74
 Di-n-butylphthalate
 Concen: 46.261 ng
 RT: 11.78 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: BF113351.D
 Acq: 28 Mar 2019 2:05

Tgt Ion:149 Resp: 1351727
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.7 11.5
 104 4.2 3.7 5.5



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

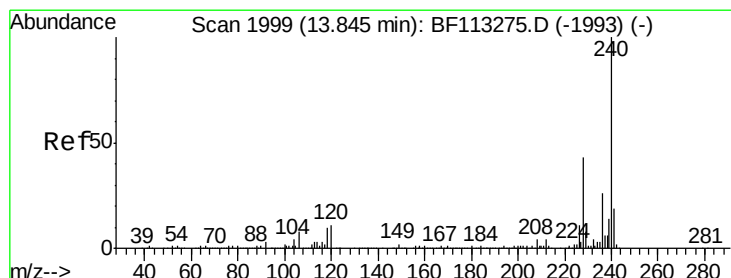
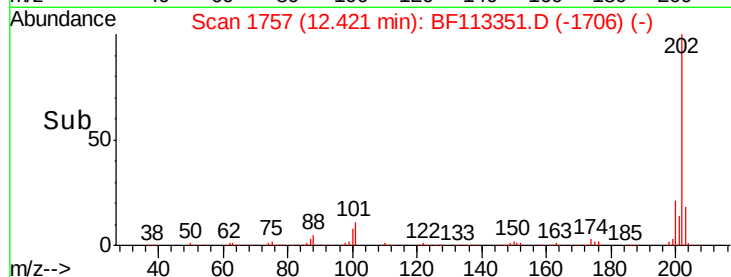
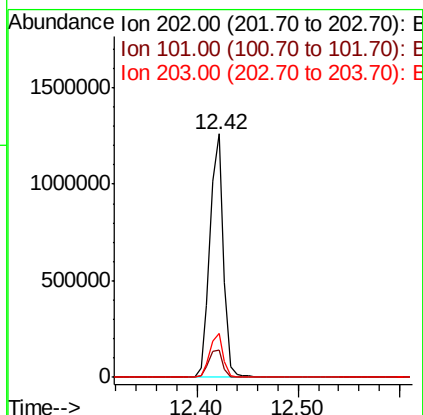
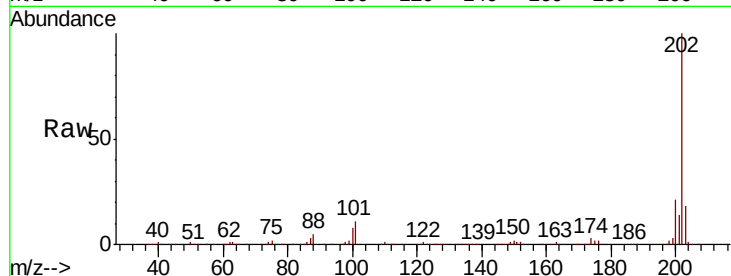




#75
Fluoranthene
Concen: 39.710 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

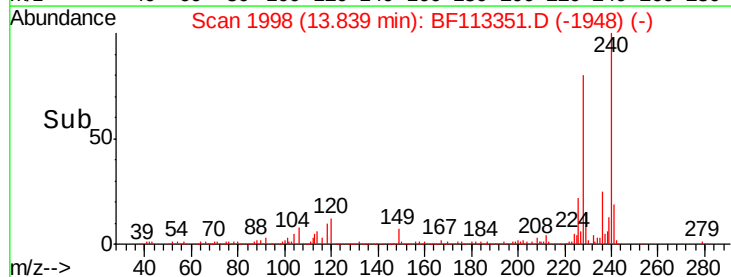
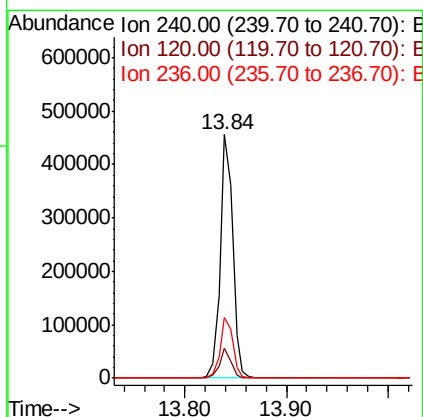
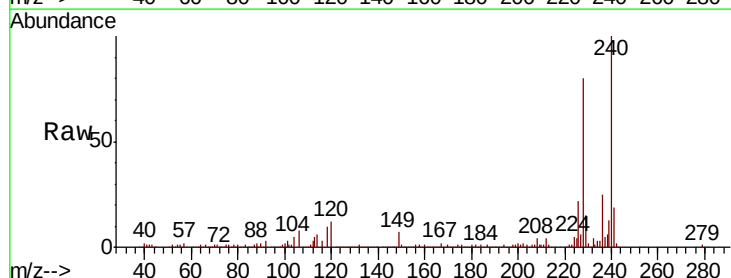
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

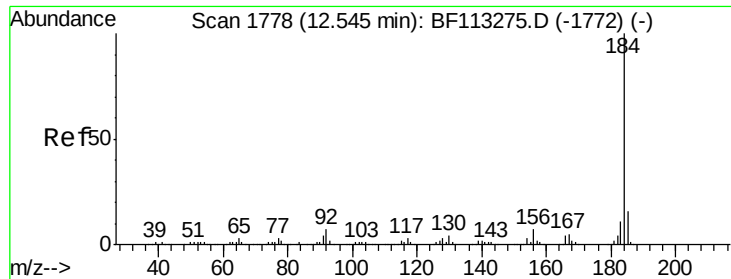
Tot Ion:202 Resp: 1167041
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:240 Resp: 392792
Ion Ratio Lower Upper
240 100
120 12.4 8.8 13.2
236 24.9 20.9 31.3





#77

Benzidine

Concen: 16.822 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

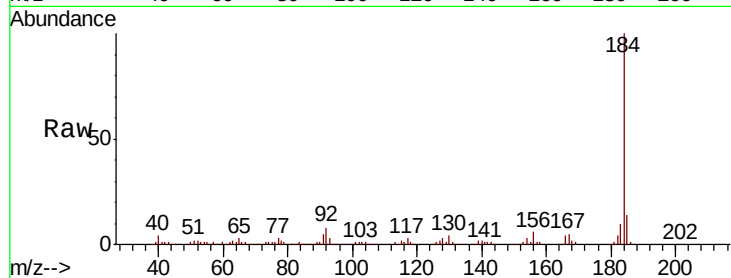
Tot Ion:184 Resp: 253036

Ion Ratio Lower Upper

184 100

185 14.0 13.0 19.6

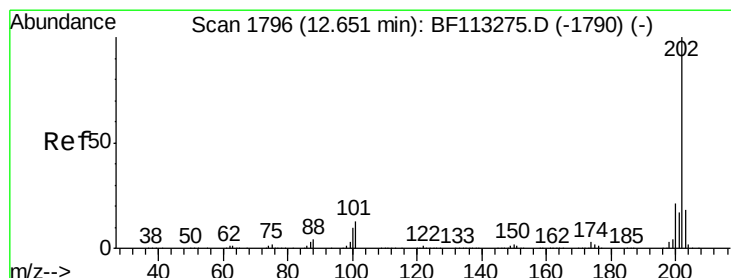
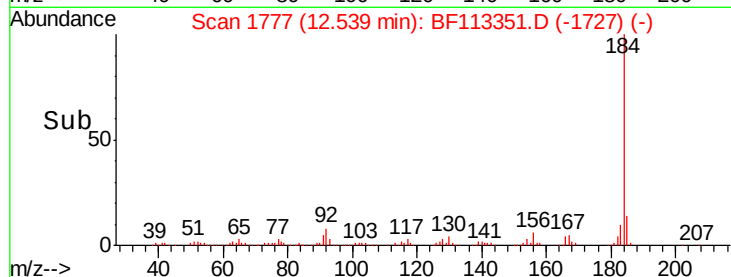
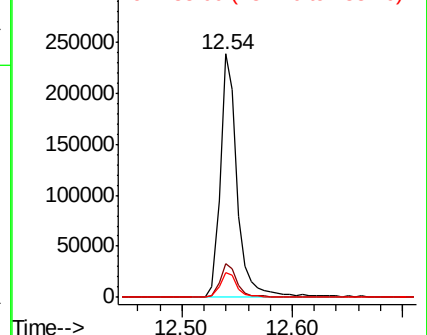
183 10.0 9.0 13.4



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

Pyrene

Concen: 43.491 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

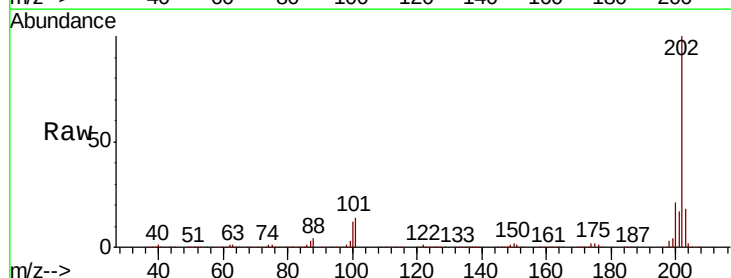
Tgt Ion:202 Resp: 1183802

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

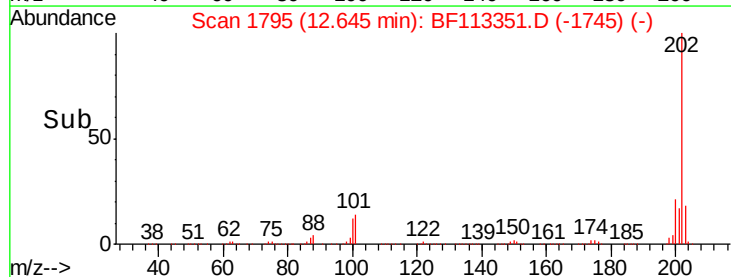
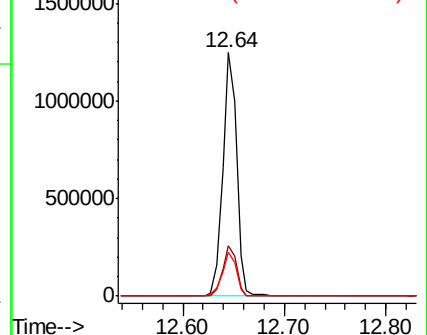
203 17.9 14.4 21.6

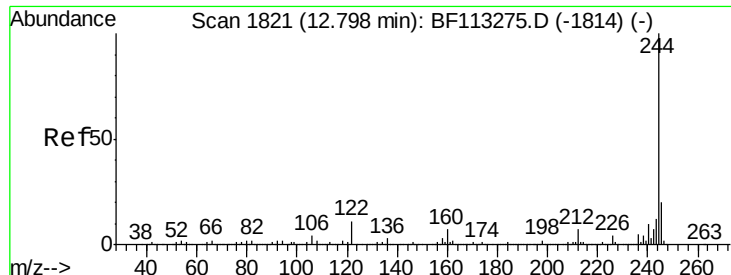


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.751 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

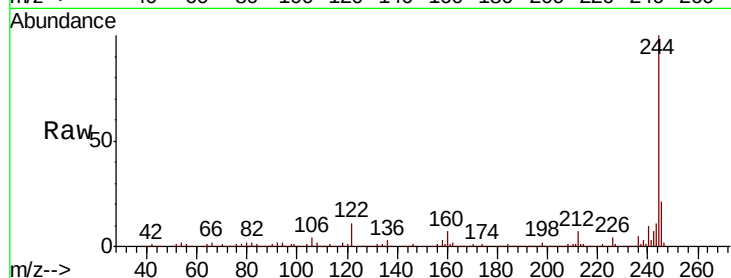
Tot Ion:244 Resp: 1635041

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

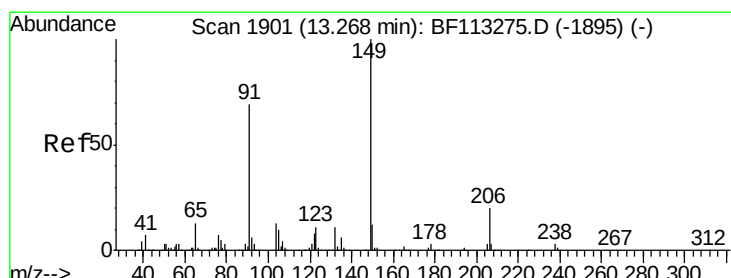
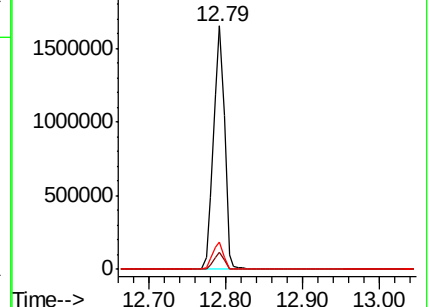
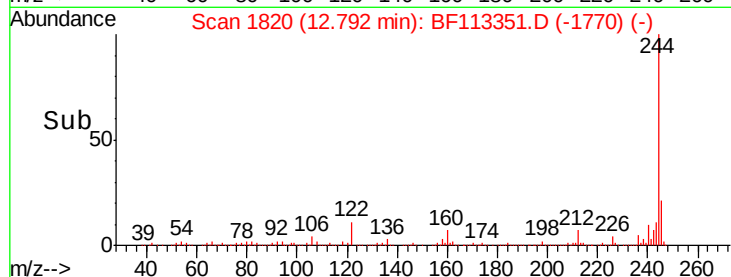
122 11.3 8.6 13.0



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: 42.569 ng

RT: 13.26 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

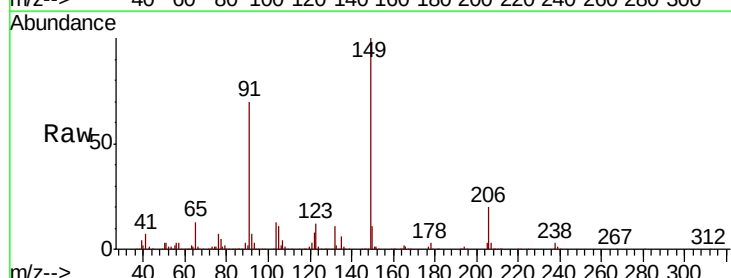
Tgt Ion:149 Resp: 510650

Ion Ratio Lower Upper

149 100

91 70.3 55.2 82.8

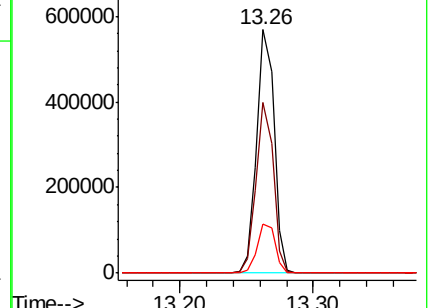
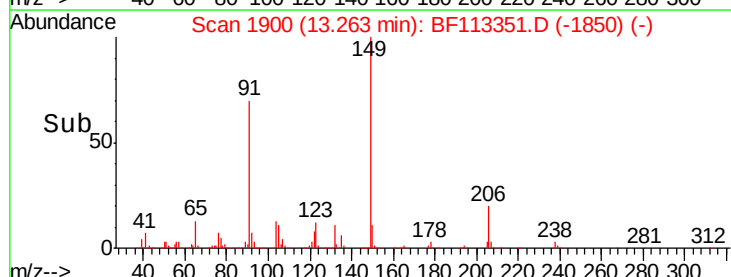
206 20.2 16.1 24.1

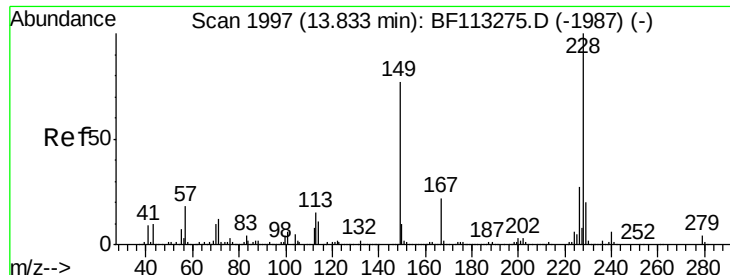


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.870 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

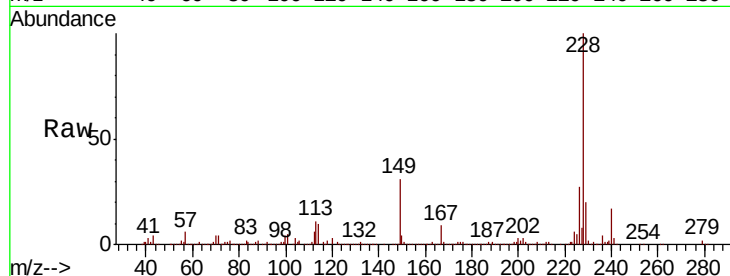
Tot Ion:228 Resp: 986379

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 20.2 16.2 24.4

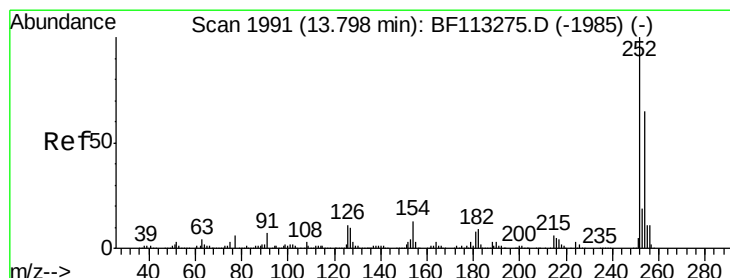
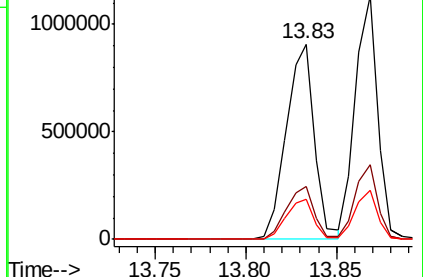
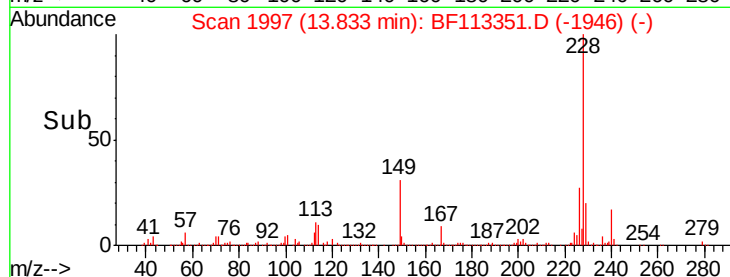


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 22.165 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

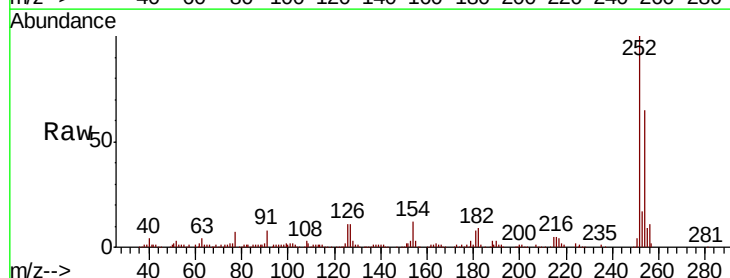
Tgt Ion:252 Resp: 199923

Ion Ratio Lower Upper

252 100

254 65.4 52.2 78.2

126 10.5 8.5 12.7

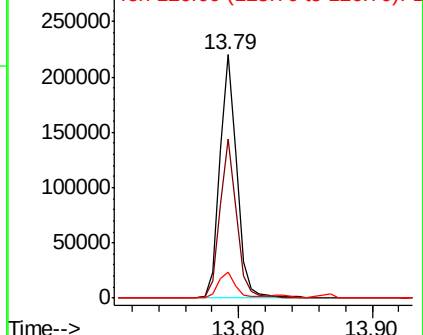
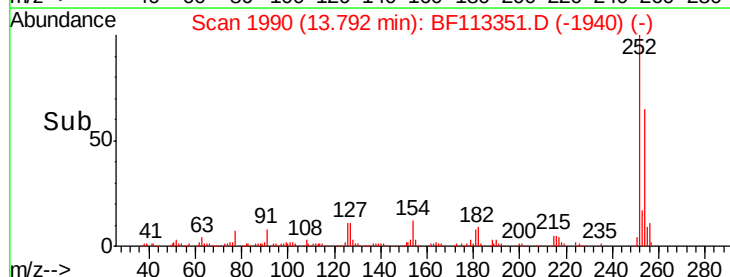


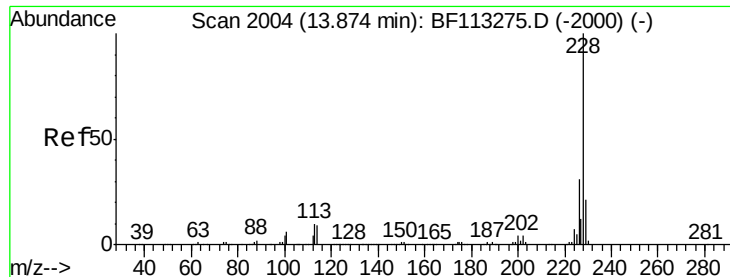
Abundance

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: 43.072 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

CS-11MSD

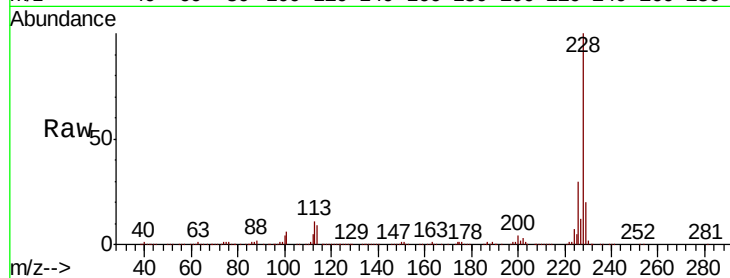
Tot Ion:228 Resp: 983664

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

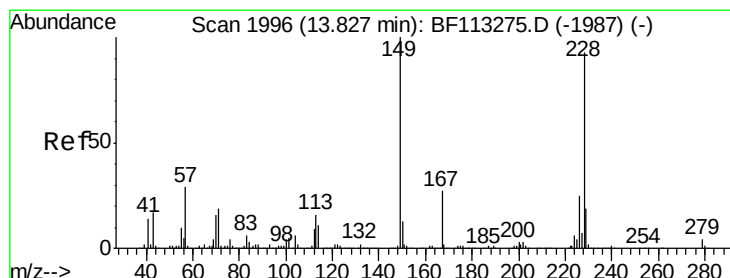
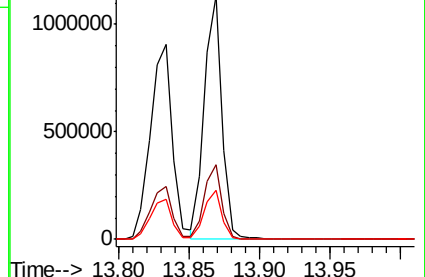
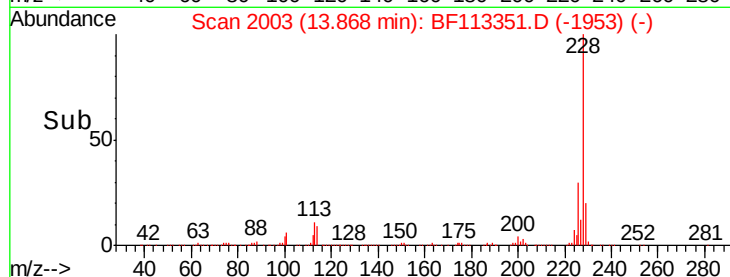
229 20.2 16.3 24.5



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: 42.317 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

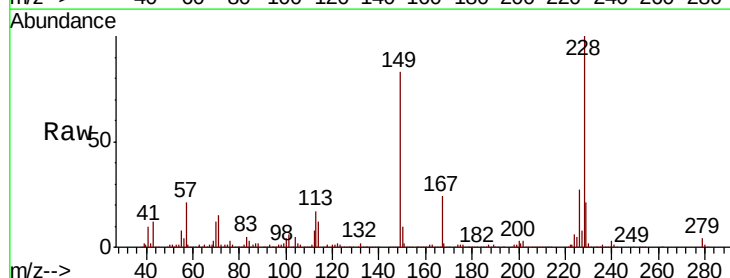
Tgt Ion:149 Resp: 622303

Ion Ratio Lower Upper

149 100

167 28.7 21.8 32.8

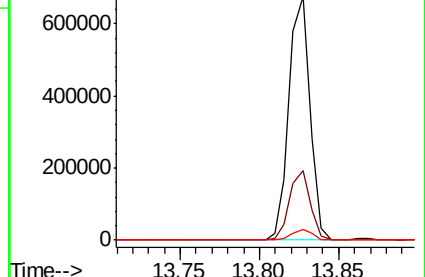
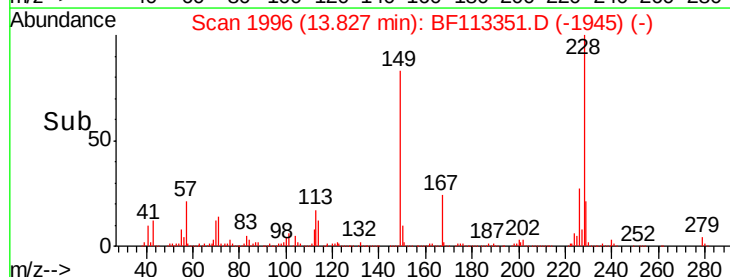
279 4.4 2.9 4.3#

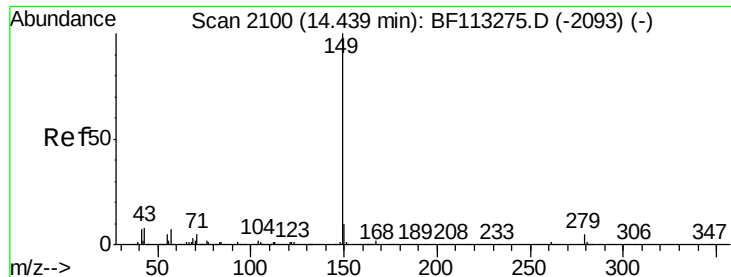


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

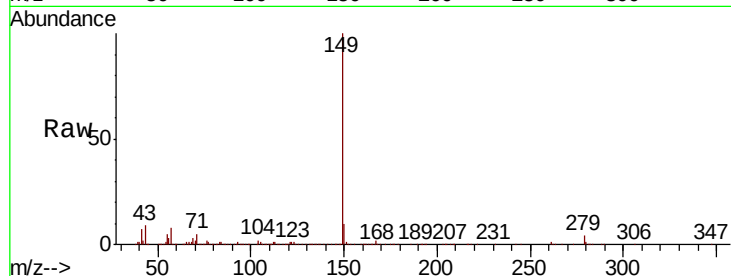




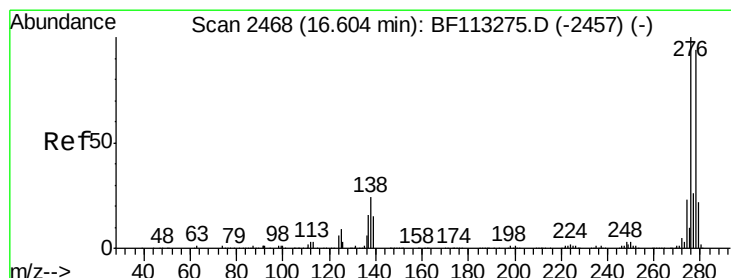
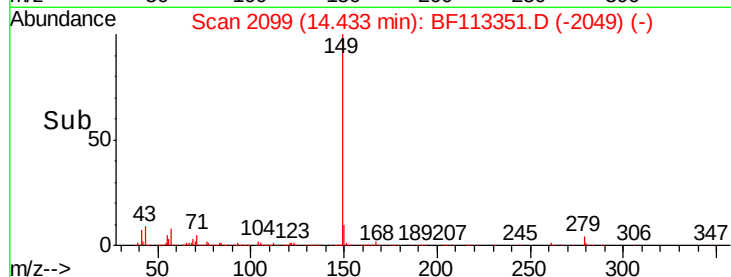
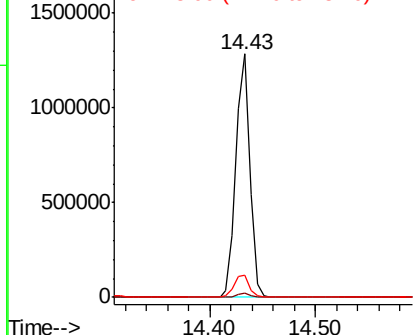
#85
Di-n-octyl phthalate
Concen: 46.228 ng
RT: 14.43 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:149 Resp: 1153930
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.6 7.7 11.5

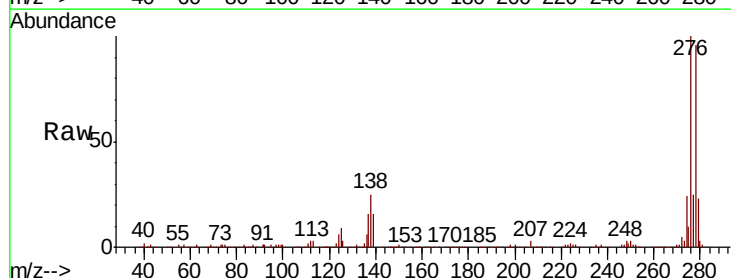


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

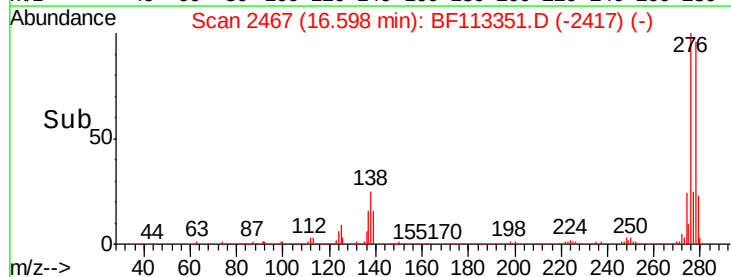
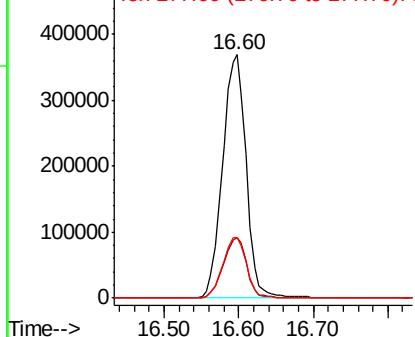


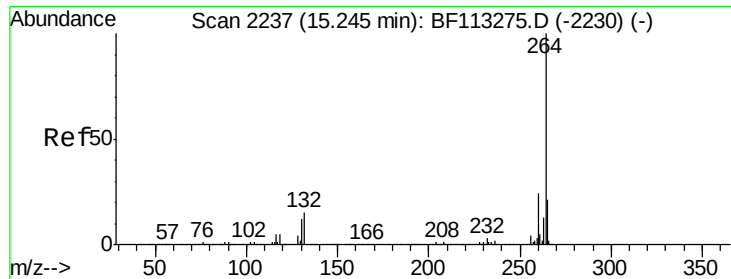
#86
Indeno(1,2,3-cd)pyrene
Concen: 41.506 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:276 Resp: 813509
Ion Ratio Lower Upper
276 100
138 25.0 18.1 27.1
277 25.1 20.2 30.4



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



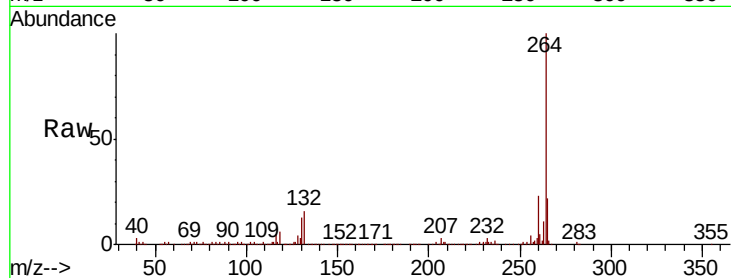


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

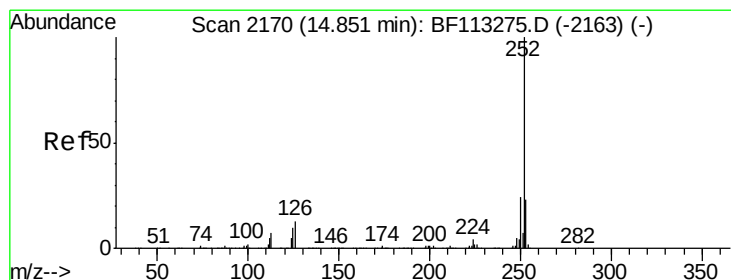
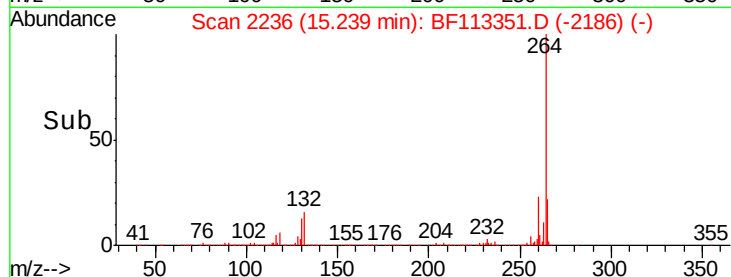
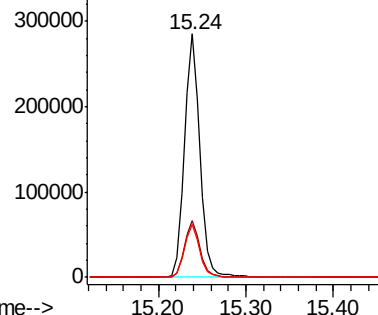
Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:264 Resp: 351157

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.7	17.1	25.7



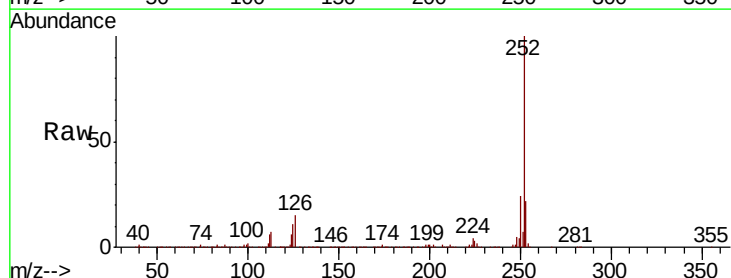
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



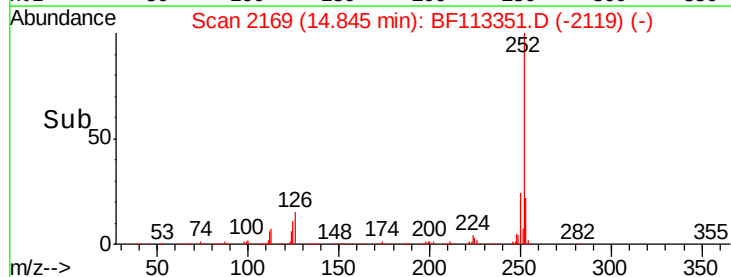
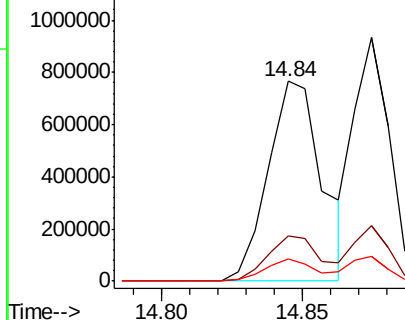
#88
Benzo(b)fluoranthene
Concen: 46.748 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

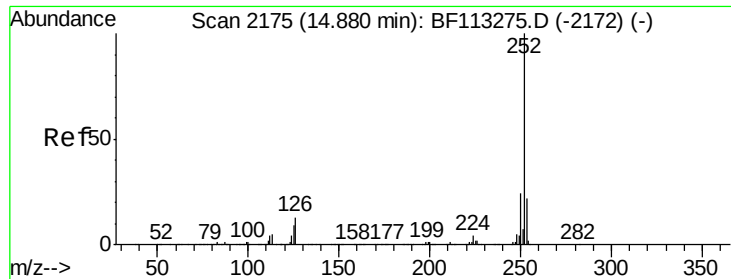
Tgt Ion:252 Resp: 1019749

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.0	7.6	11.4



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

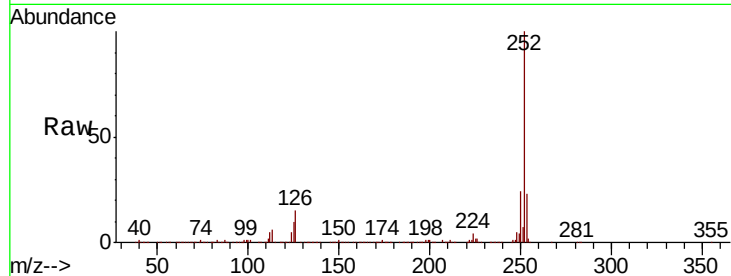




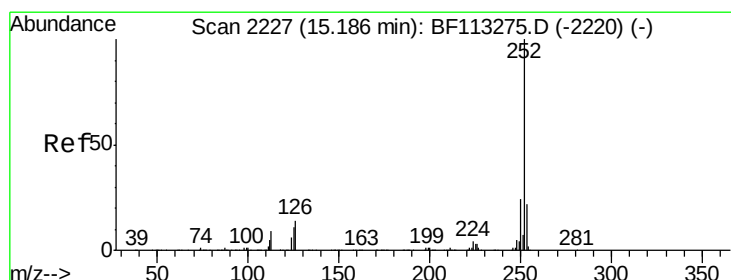
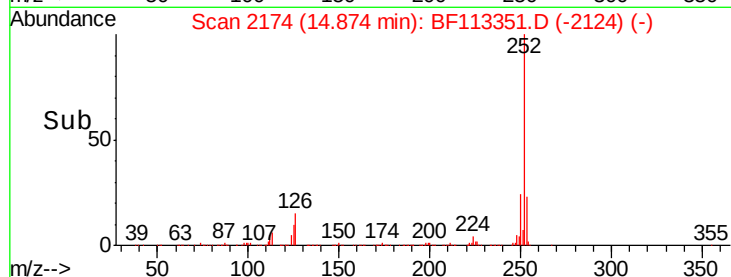
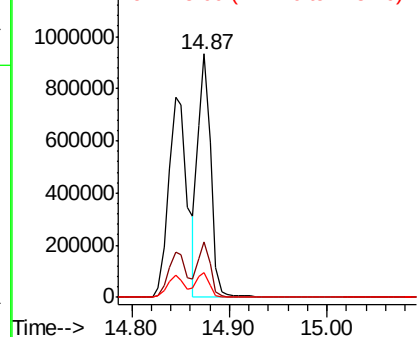
#89
Benzo(k)fluoranthene
Concen: 43.689 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
CS-11MSD

Tot Ion:252 Resp: 836928
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.2 7.3 10.9

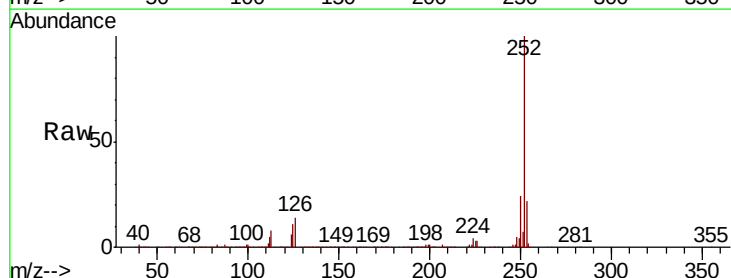


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

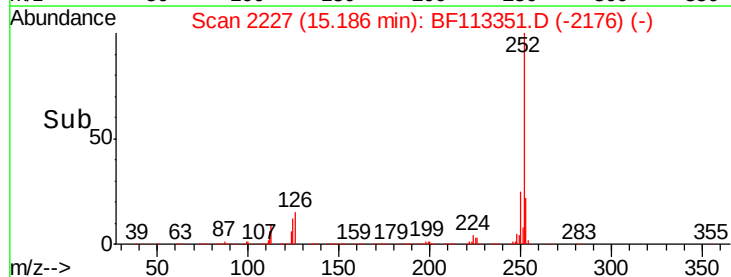
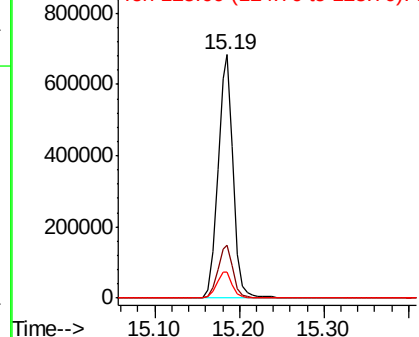


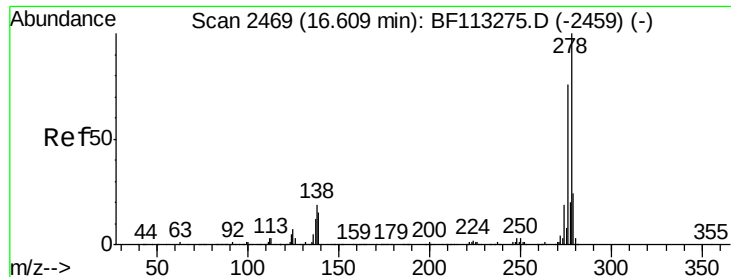
#90
Benzo(a)pyrene
Concen: 44.800 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113351.D
Acq: 28 Mar 2019 2:05

Tgt Ion:252 Resp: 866381
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 10.9 8.8 13.2



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: 41.694 ng

RT: 16.60 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Instrument :

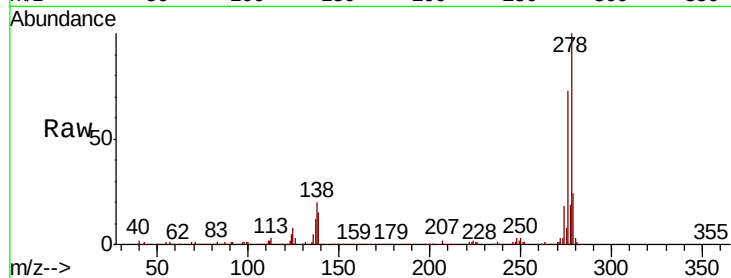
BNA_F

ClientSampled :

CS-11MSD

Tot Ion:278 Resp: 697183

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.0	18.0
279	23.7	19.0	28.6

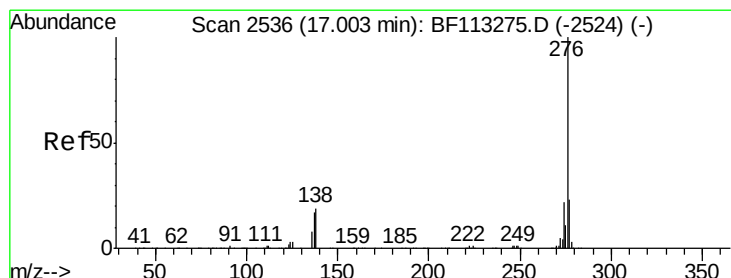
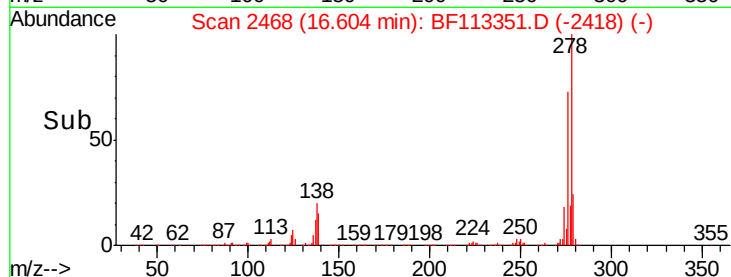
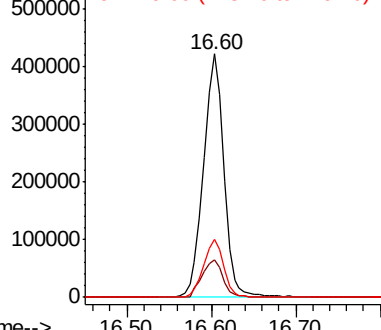


Abundance

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(g,h,i)perylene

Concen: 40.330 ng

RT: 17.00 min Scan# 2535

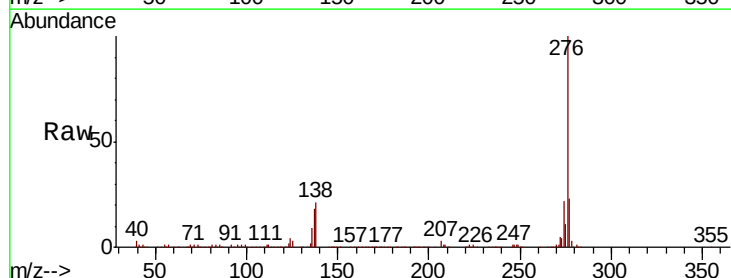
Delta R.T. -0.01 min

Lab File: BF113351.D

Acq: 28 Mar 2019 2:05

Tgt Ion:276 Resp: 679965

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	21.0	15.6	23.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

