

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116633.D
 Acq On : 28 Aug 2019 23:40
 Operator : HP/JU
 Sample : K4573-12MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 03:34:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	84641	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	406976	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	107004	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	187872	20.00	ng	0.00
76) Chrysene-d12	14.02	240	106832	20.00	ng	0.00
87) Perylene-d12	15.47	264	121549	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	836684	170.74	ng	0.00
7) Phenol-d6	6.50	99	985761	148.38	ng	0.01
23) Nitrobenzene-d5	7.43	82	552538	77.69	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	164193	161.25	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	706356	109.86	ng	0.00
79) Terphenyl-d14	12.96	244	671960	102.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.64	88	98276	43.111	ng	98
3) Pyridine	3.41	79	240191	37.778	ng	99
4) n-Nitrosodimethylamine	3.33	42	131249	53.781	ng	99
6) Aniline	6.53	93	208316	23.276	ng	98
8) 2-Chlorophenol	6.66	128	253479	45.901	ng	95
9) Benzaldehyde	6.41	77	194141	53.044	ng	94
10) Phenol	6.52	94	378488	51.937	ng	97
11) bis(2-Chloroethyl)ether	6.60	93	214901	39.679	ng	99
12) 1,3-Dichlorobenzene	6.81	146	263482	40.278	ng	98
13) 1,4-Dichlorobenzene	6.89	146	271423	41.525	ng	98
14) 1,2-Dichlorobenzene	7.04	146	262301	42.463	ng	100
15) Benzyl Alcohol	7.00	79	269516	52.147	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.14	45	295142	40.178	ng	100
17) 2-Methylphenol	7.12	107	221596	44.813	ng	97
18) Hexachloroethane	7.38	117	81700	33.852	ng	91
19) n-Nitroso-di-n-propylamine	7.28	70	171787	40.660	ng	99
20) 3+4-Methylphenols	7.27	107	264482	44.028	ng	95
22) Acetophenone	7.27	105	351922	36.817	ng	99
24) Nitrobenzene	7.45	77	295802	41.014	ng	97
25) Isophorone	7.69	82	643979	49.736	ng	100
26) 2-Nitrophenol	7.76	139	177051	51.080	ng	99
27) 2,4-Dimethylphenol	7.80	122	292578	53.906	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	382180	45.442	ng	99
29) 2,4-Dichlorophenol	8.00	162	274048	48.311	ng	99
30) 1,2,4-Trichlorobenzene	8.09	180	287369	44.098	ng	99
31) Naphthalene	8.17	128	929281	47.668	ng	99
32) Benzoic acid	7.91	122	210666	45.419	ng	98
33) 4-Chloroaniline	8.22	127	241056	28.055	ng	97
34) Hexachlorobutadiene	8.29	225	154639	42.592	ng	98
35) Caprolactam	8.58	113	45711	26.987	ng	97
36) 4-Chloro-3-methylphenol	8.69	107	255224	44.665	ng	97
37) 2-Methylnaphthalene	8.86	142	438126	35.986	ng	95
38) 1-Methylnaphthalene	8.86	142	438126	36.848	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	137598	46.869	ng	98

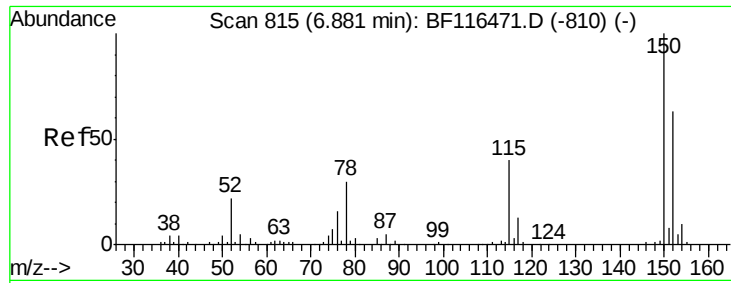
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
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 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	95683	56.283	nq	99
43) 2,4,6-Trichlorophenol	9.13	196	97657	47.364	nq	96
44) 2,4,5-Trichlorophenol	9.17	196	105344	50.799	nq	95
46) 1,1'-Biphenyl	9.32	154	398429	49.051	nq	100
47) 2-Chloronaphthalene	9.35	162	304154	48.033	nq	96
48) 2-Nitroaniline	9.43	65	101755	50.809	nq	86
49) Acenaphthylene	9.76	152	481074	51.725	nq	99
50) Dimethylphthalate	9.62	163	407668	56.670	nq	100
51) 2,6-Dinitrotoluene	9.68	165	81042	51.088	nq	95
52) Acenaphthene	9.93	154	333166	52.905	nq	96
53) 3-Nitroaniline	9.85	138	68446	36.136	nq	98
54) 2,4-Dinitrophenol	9.95	184	69552	88.486	nq	# 41
55) Dibenzofuran	10.10	168	431243	50.852	nq	96
56) 4-Nitrophenol	10.01	139	144832	100.583	nq	88
57) 2,4-Dinitrotoluene	10.08	165	110189	52.643	nq	90
58) Fluorene	10.45	166	341950	53.130	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.18	232	87016	50.977	nq	97
60) Diethylphthalate	10.32	149	357925	50.973	nq	98
61) 4-Chlorophenyl-phenylether	10.44	204	159702	49.497	nq	95
62) 4-Nitroaniline	10.46	138	86296	46.827	nq	89
63) Azobenzene	10.60	77	358166	50.528	nq	98
65) 4,6-Dinitro-2-methylphenol	10.49	198	49232	49.122	nq	86
66) n-Nitrosodiphenylamine	10.56	169	295753	49.731	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	94516	47.429	nq	95
68) Hexachlorobenzene	11.00	284	101435	45.720	nq	96
69) Atrazine	11.08	200	85161	48.361	nq	97
70) Pentachlorophenol	11.19	266	128045	93.930	nq	99
71) Phenanthrene	11.41	178	547757	54.282	nq	100
72) Anthracene	11.46	178	522205	51.755	nq	99
73) Carbazole	11.61	167	438134	51.020	nq	99
74) Di-n-butylphthalate	11.94	149	561392	56.412	nq	99
75) Fluoranthene	12.59	202	543065	60.006	nq	99
78) Pyrene	12.82	202	525504	53.494	nq	98
80) Butylbenzylphthalate	13.43	149	202840	53.293	nq	99
81) Benzo(a)anthracene	14.00	228	374034	52.514	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	62579	27.000	nq	98
83) Chrysene	14.04	228	368683	52.875	nq	100
84) Bis(2-ethylhexyl)phthalate	14.00	149	269979	60.487	nq	99
85) Di-n-octyl phthalate	14.60	149	411663	63.234	nq	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	317112	50.934	nq	97
88) Benzo(b)fluoranthene	15.05	252	403481	54.055	nq	97
89) Benzo(k)fluoranthene	15.08	252	364293	51.344	nq	99
90) Benzo(a)pyrene	15.41	252	364493	54.714	nq	98
91) Dibenzo(a,h)anthracene	16.94	278	260686	41.938	nq	96
92) Benzo(g,h,i)perylene	17.37	276	322665	49.921	nq	96

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

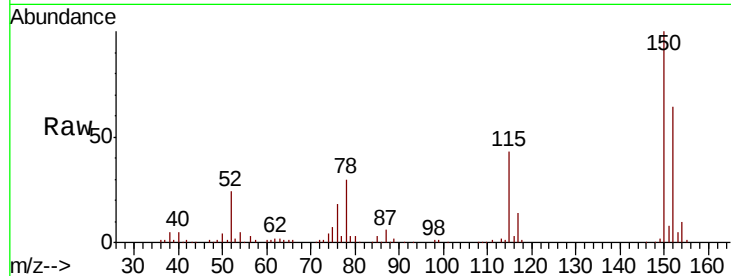


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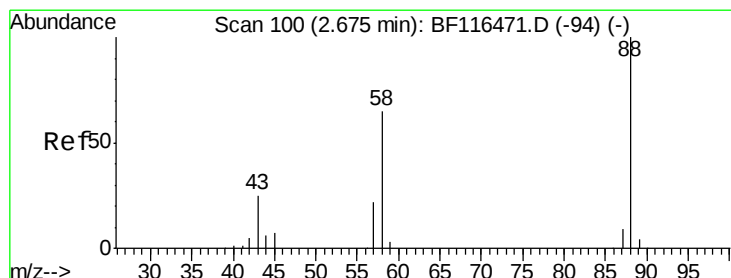
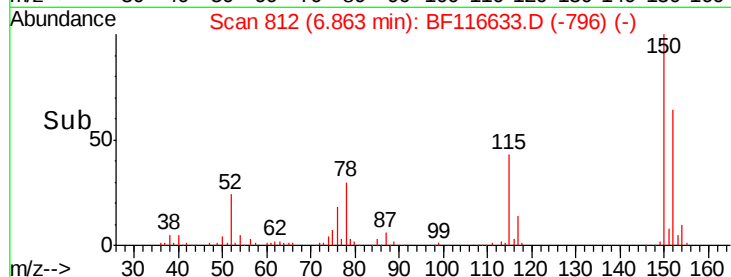
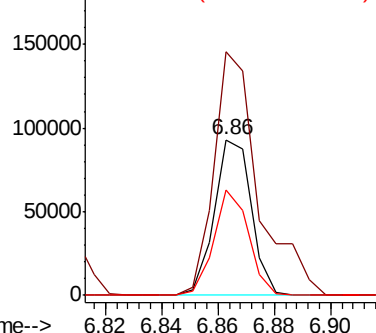
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 84641
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.4 185.2
 115 67.5 48.2 72.2



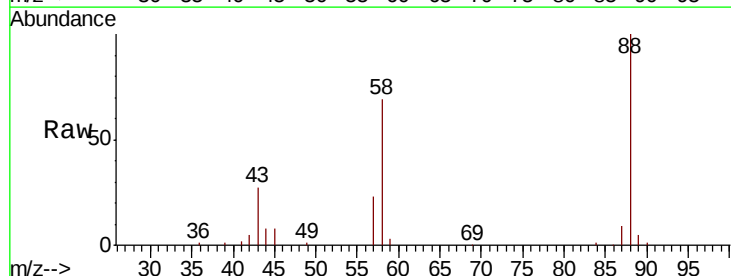
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



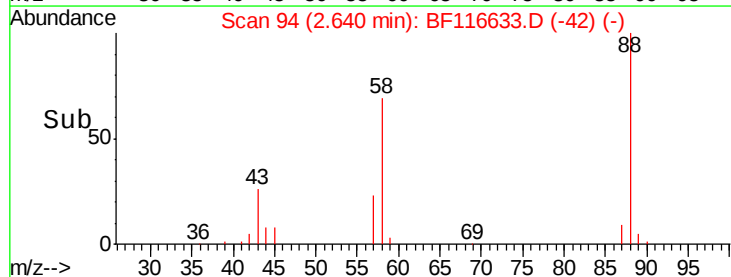
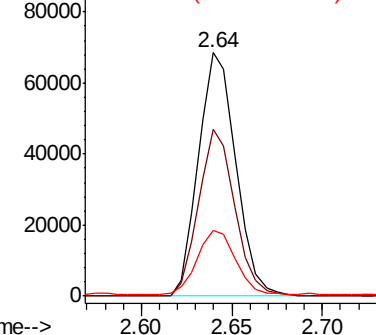
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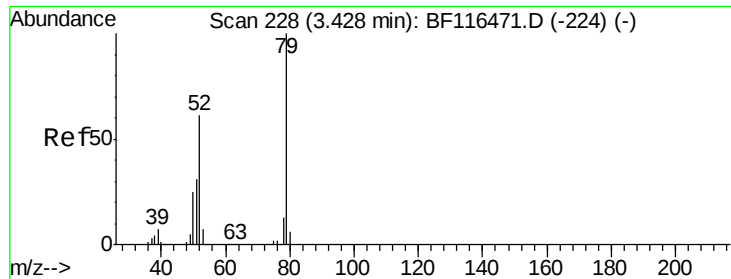
1,4-Dioxane
 Concen: 43.111 ng
 RT: 2.64 min Scan# 94
 Delta R.T. 0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion: 88 Resp: 98276
 Ion Ratio Lower Upper
 88 100
 58 66.3 51.8 77.8
 43 26.7 20.2 30.2



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

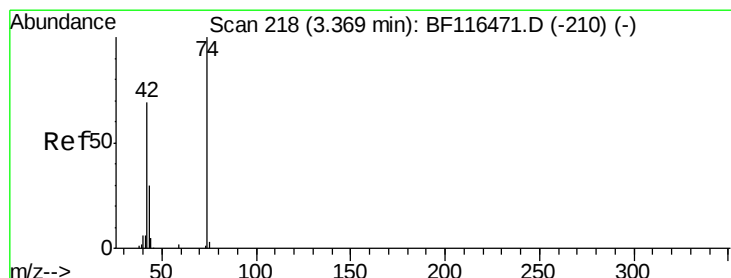
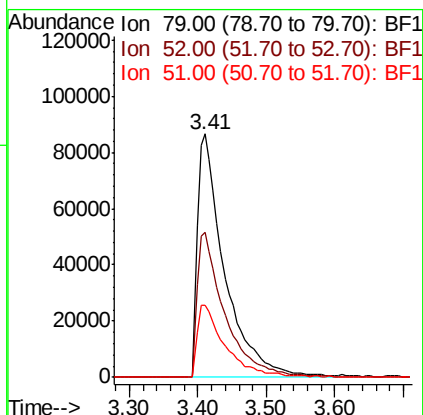
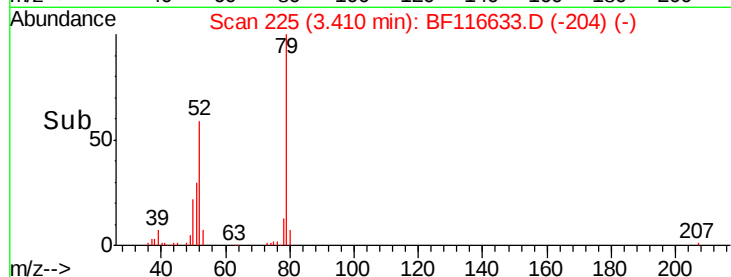
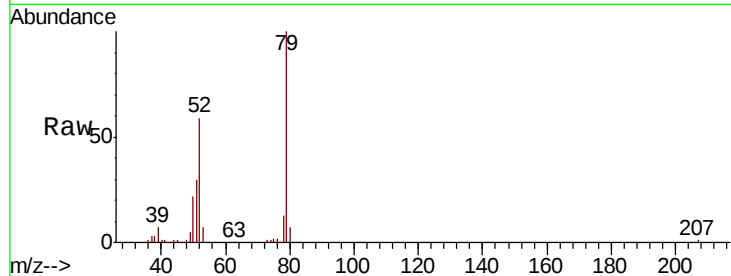




#3
Pvridine
Concen: 37.778 ng
RT: 3.41 min Scan# 225
Delta R.T. 0.02 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

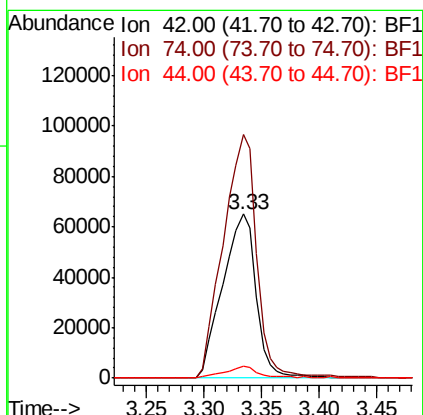
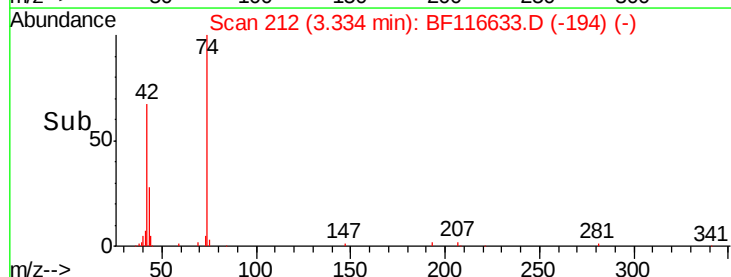
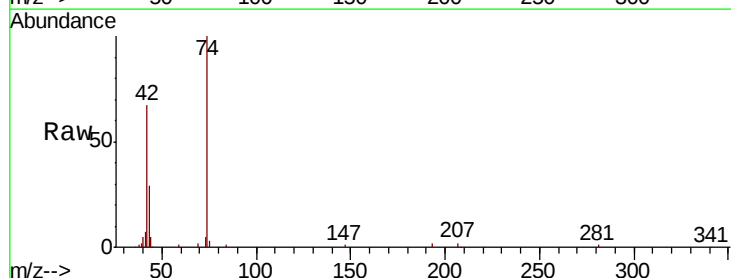
Instrument :
BNA_F
ClientSampled :

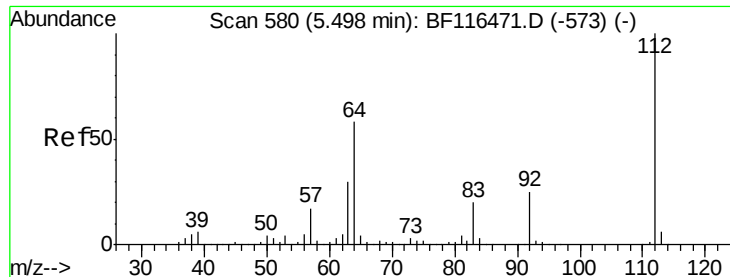
Tot Ion: 79 Resp: 240191
Ion Ratio Lower Upper
79 100
52 59.3 47.9 71.9
51 29.7 24.4 36.6



#4
n-Nitrosodimethylamine
Concen: 53.781 ng
RT: 3.33 min Scan# 212
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion: 42 Resp: 131249
Ion Ratio Lower Upper
42 100
74 148.5 120.0 180.0
44 7.2 5.4 8.2

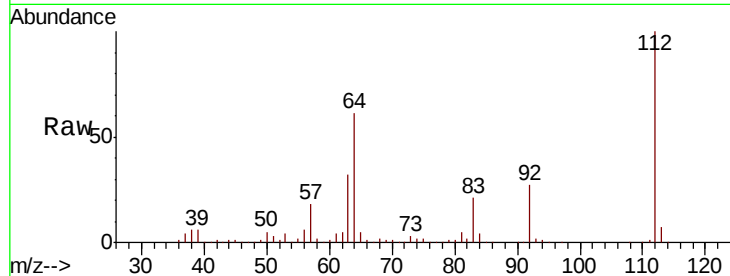




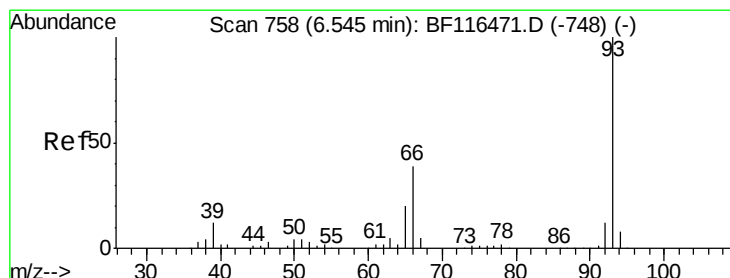
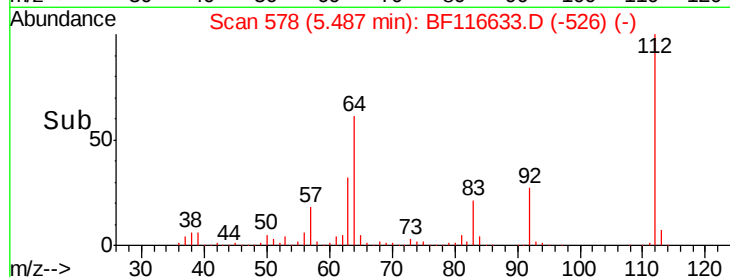
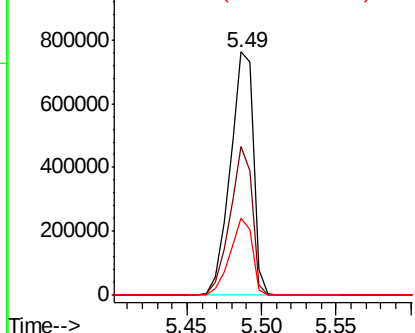
#5
 2-Fluorophenol
 Concen: 170.738 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:112 Resp: 836684
 Ion Ratio Lower Upper
 112 100
 64 60.9 48.0 72.0
 63 31.9 24.6 36.8

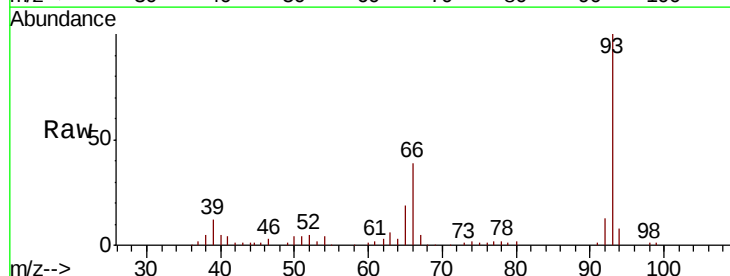


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

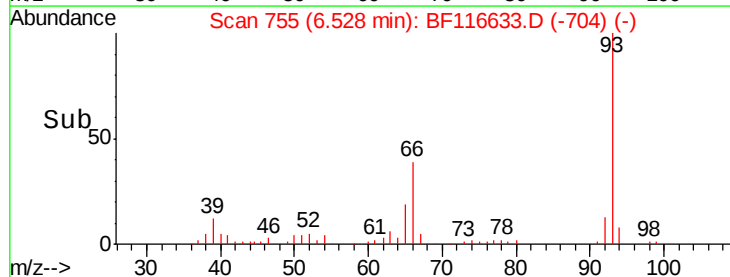
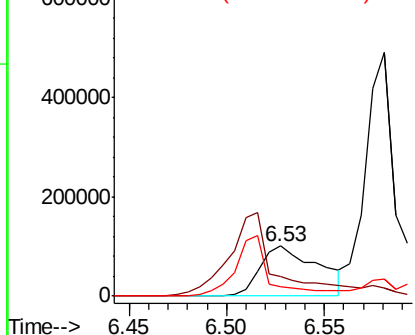


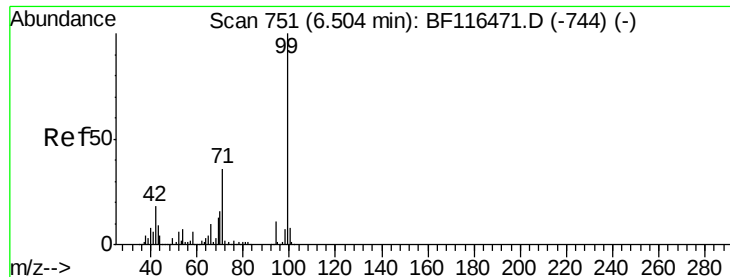
#6
 Aniline
 Concen: 23.276 ng
 RT: 6.53 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion: 93 Resp: 208316
 Ion Ratio Lower Upper
 93 100
 66 39.0 32.1 48.1
 65 19.2 16.2 24.4



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: 148.376 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

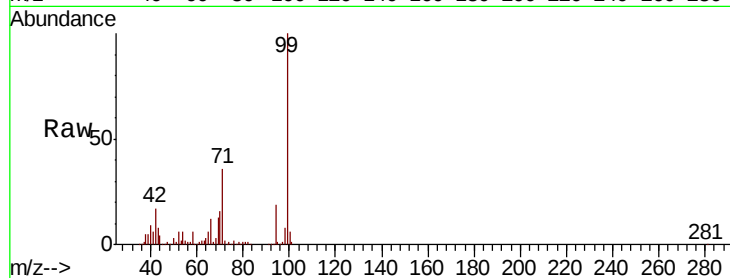
Tot Ion: 99 Resp: 985761

Ion Ratio Lower Upper

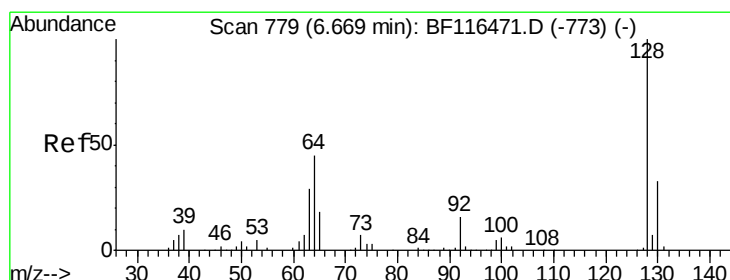
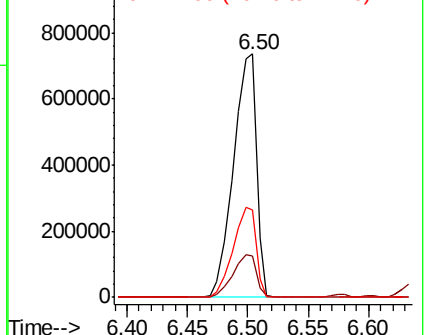
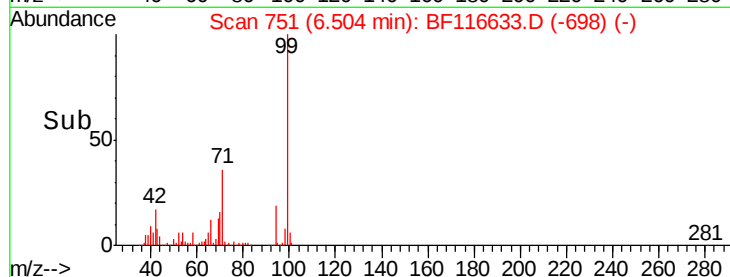
99 100

42 16.9 13.2 19.8

71 36.1 27.4 41.2



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: 45.901 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

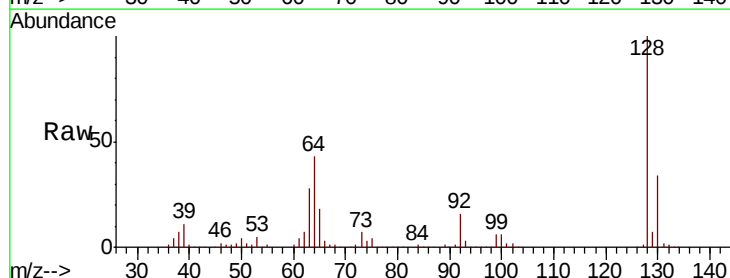
Tgt Ion: 128 Resp: 253479

Ion Ratio Lower Upper

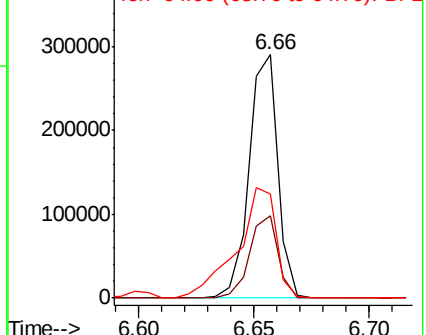
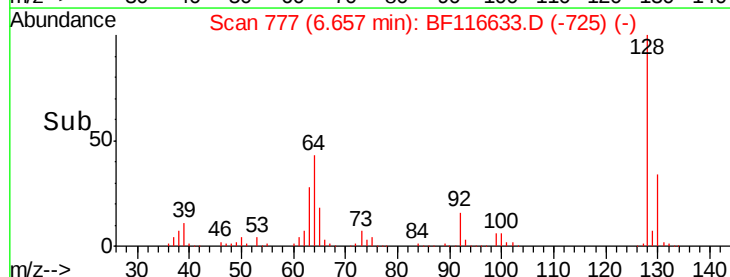
128 100

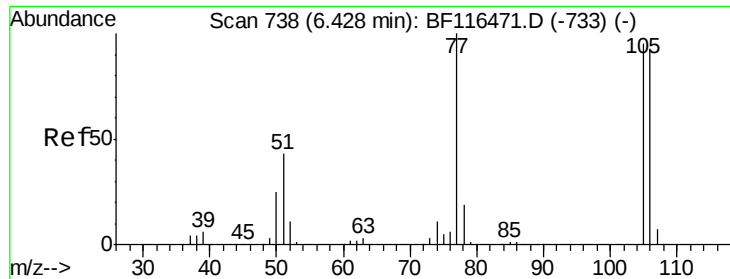
130 33.8 11.8 51.8

64 42.8 26.9 66.9



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: 53.044 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

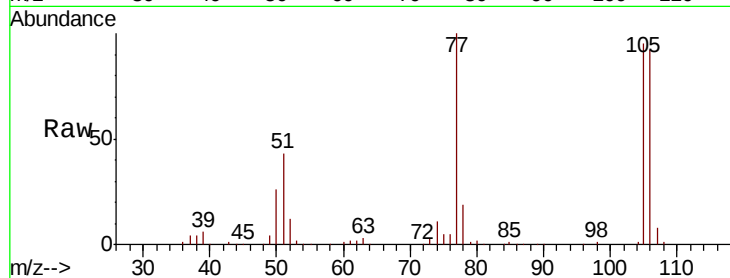
Tot Ion: 77 Resp: 194141

Ion Ratio Lower Upper

77 100

105 95.4 81.6 121.6

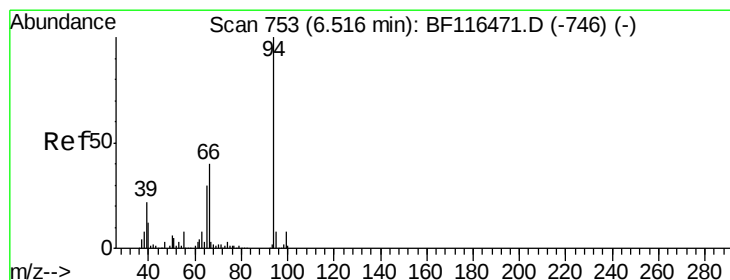
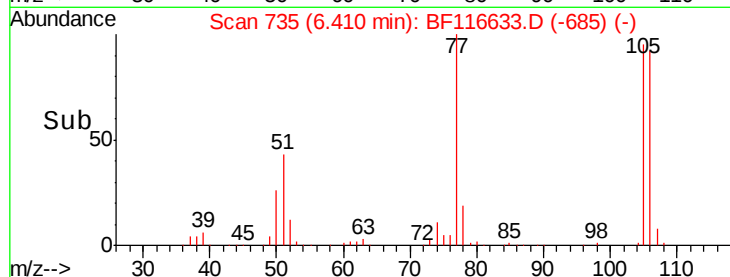
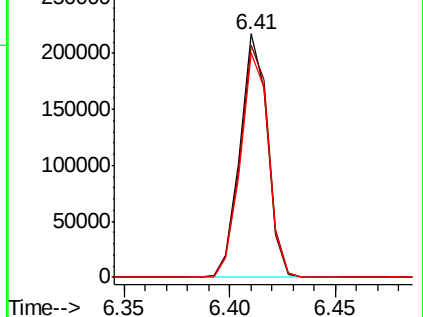
106 92.3 77.1 117.1



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 51.937 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

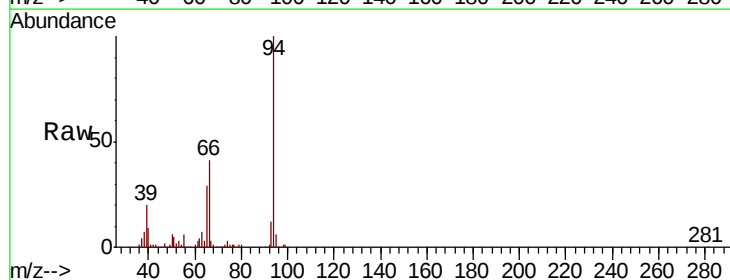
Tgt Ion: 94 Resp: 378488

Ion Ratio Lower Upper

94 100

65 29.4 8.6 48.6

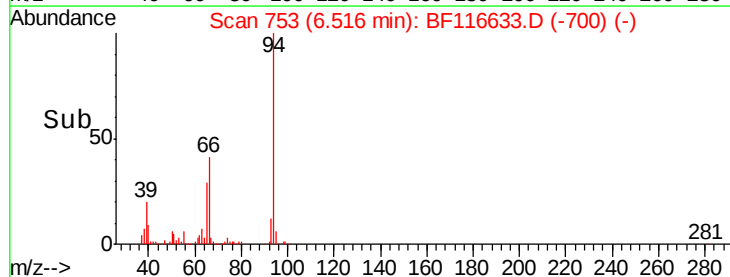
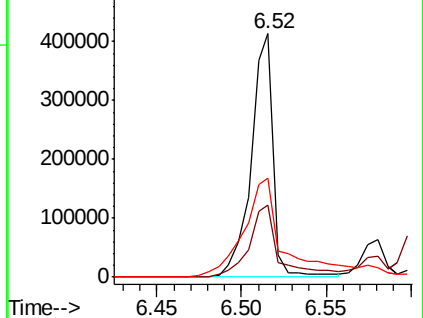
66 40.8 18.0 58.0

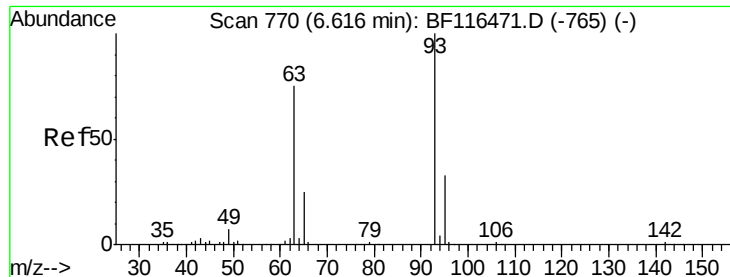


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

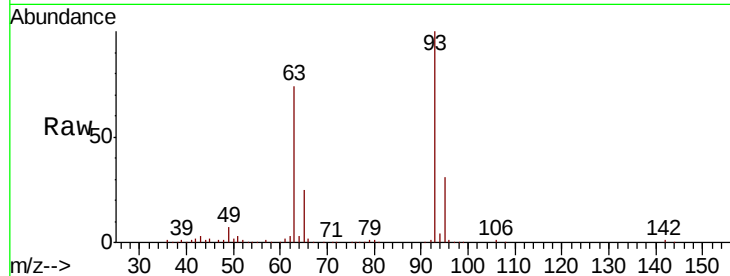




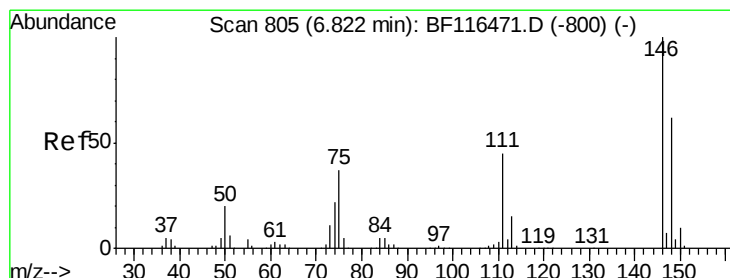
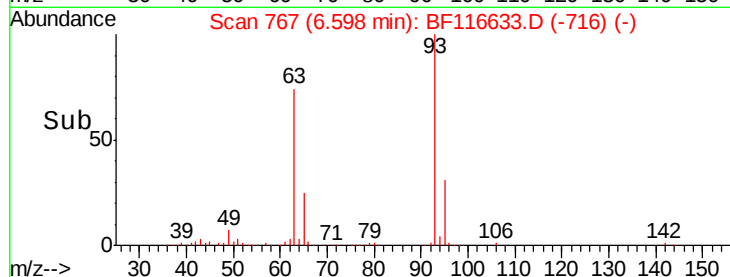
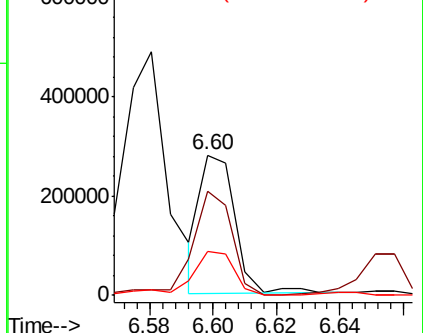
#11
bis(2-Chloroethyl)ether
Concen: 39.679 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 214901
Ion Ratio Lower Upper
93 100
63 74.1 54.7 94.7
95 31.1 12.7 52.7

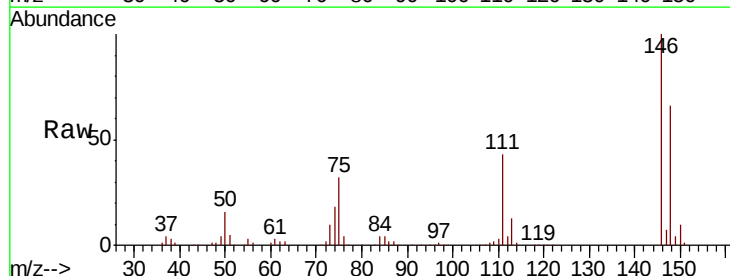


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

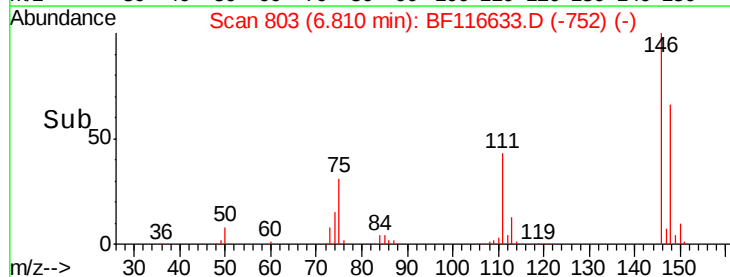
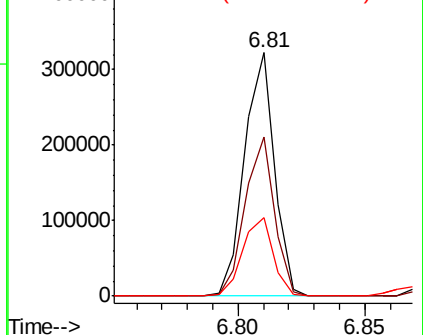


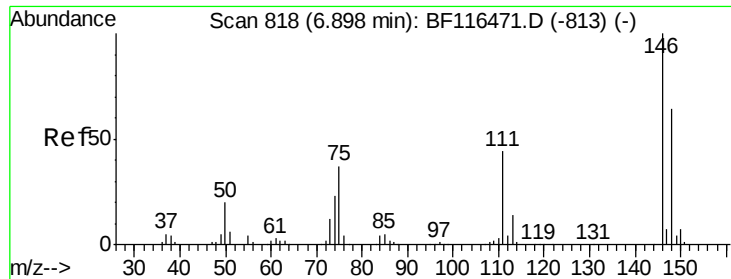
#12
1,3-Dichlorobenzene
Concen: 40.278 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion: 146 Resp: 263482
Ion Ratio Lower Upper
146 100
148 65.5 51.0 76.6
75 32.2 25.1 37.7



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

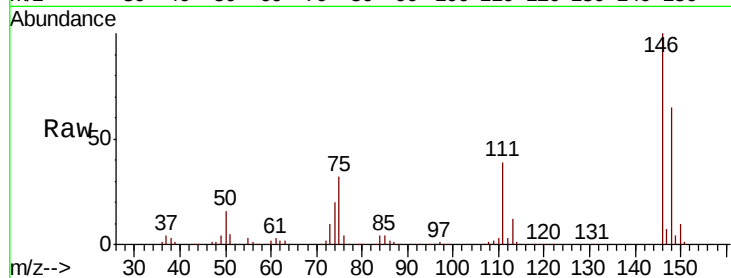




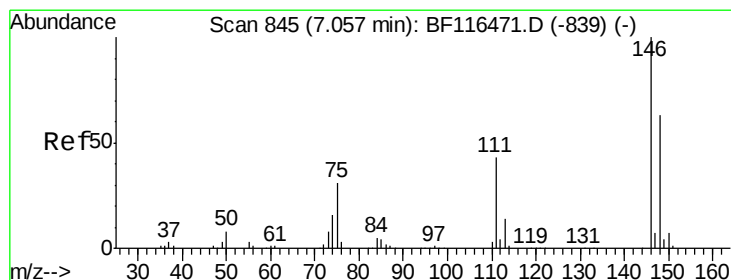
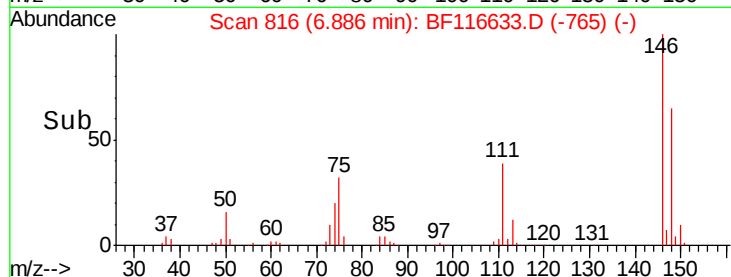
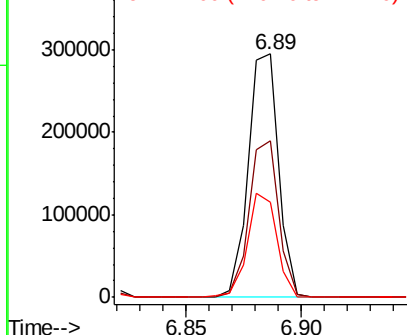
#13
 1,4-Dichlorobenzene
 Concen: 41.525 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 271423
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.0 76.6
 111 39.3 33.1 49.7

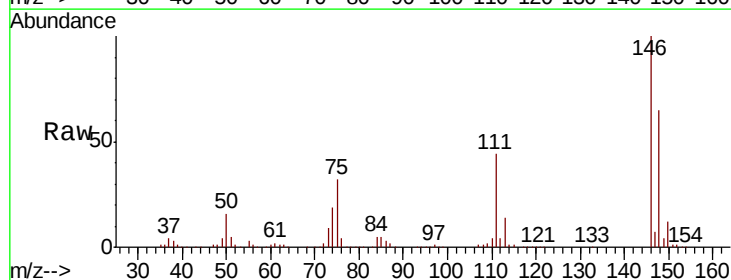


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

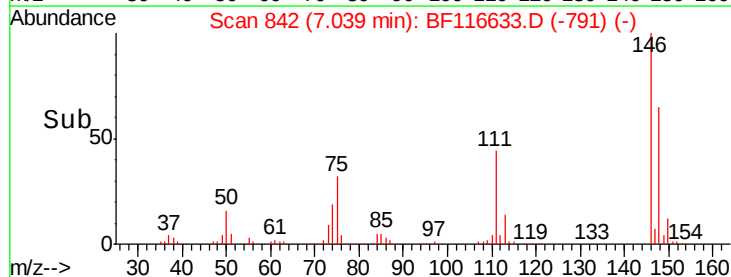
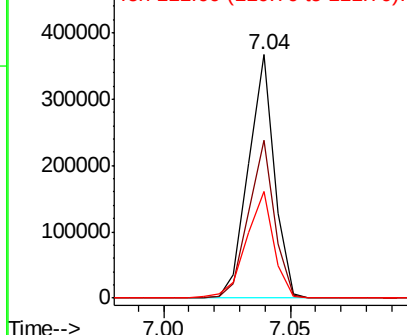


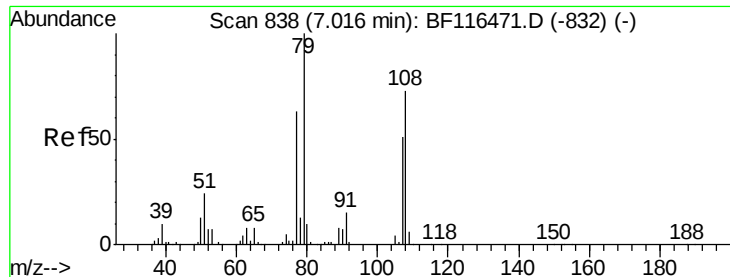
#14
 1,2-Dichlorobenzene
 Concen: 42.463 ng
 RT: 7.04 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:146 Resp: 262301
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.8 77.6
 111 43.9 34.9 52.3



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: 52.147 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

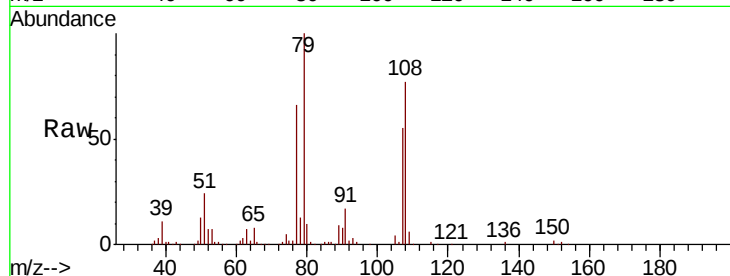
Tot Ion: 79 Resp: 269516

Ion Ratio Lower Upper

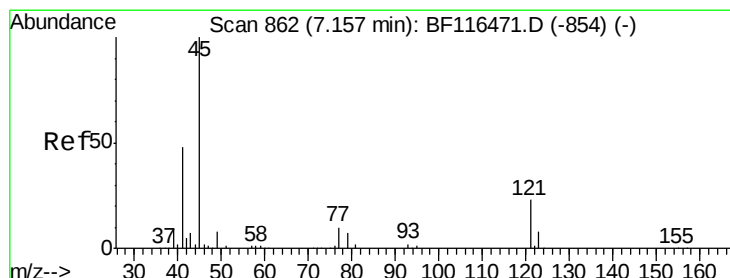
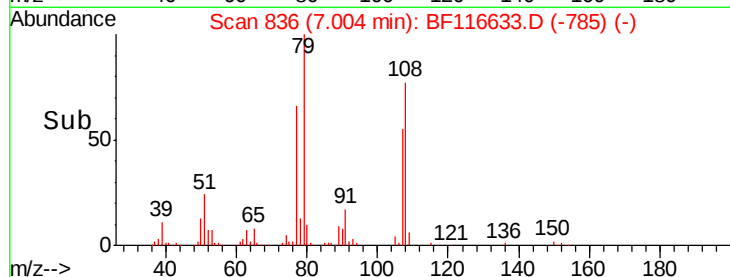
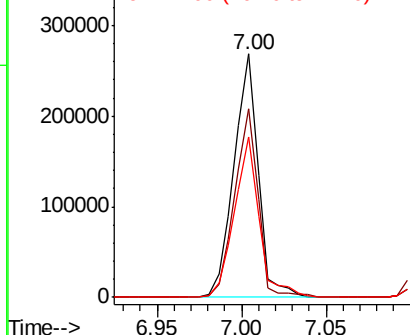
79 100

108 77.3 62.2 93.4

77 66.1 49.8 74.6



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.178 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

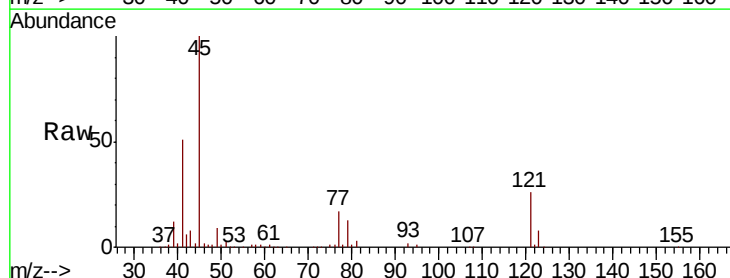
Tgt Ion: 45 Resp: 295142

Ion Ratio Lower Upper

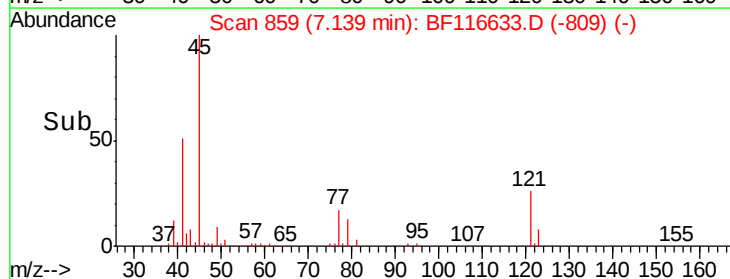
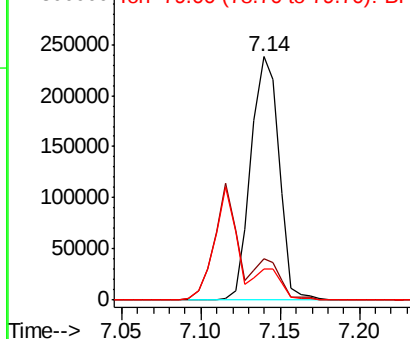
45 100

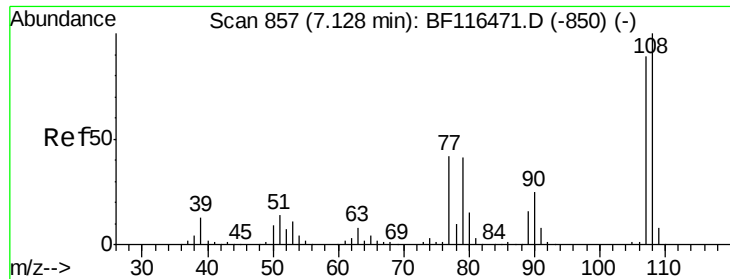
77 16.7 0.0 36.4

79 12.9 0.0 32.9



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

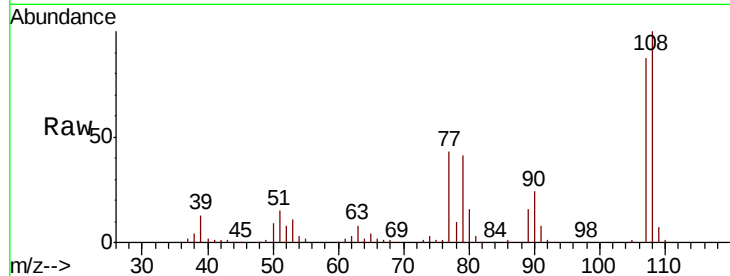




#17
2-Methylphenol
Concen: 44.813 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.9	136.3
77	49.4	36.8	55.2
79	47.4	36.2	54.4



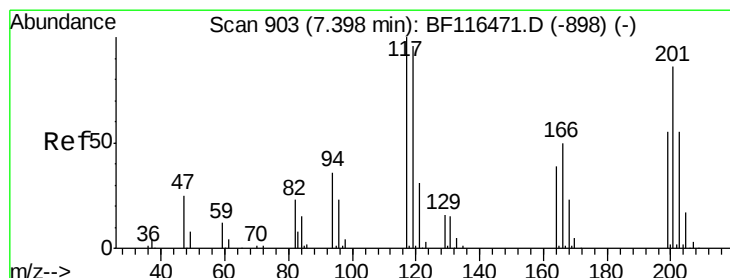
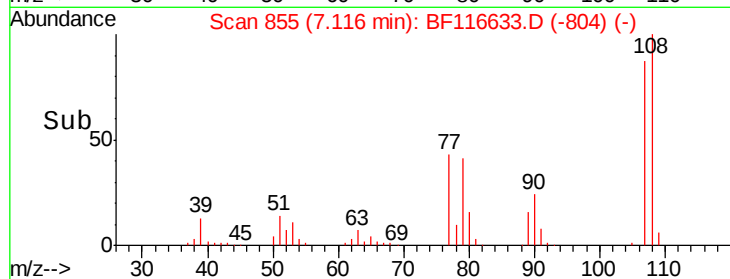
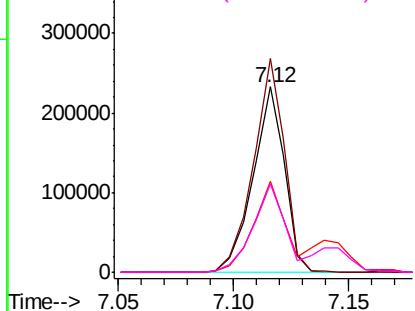
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

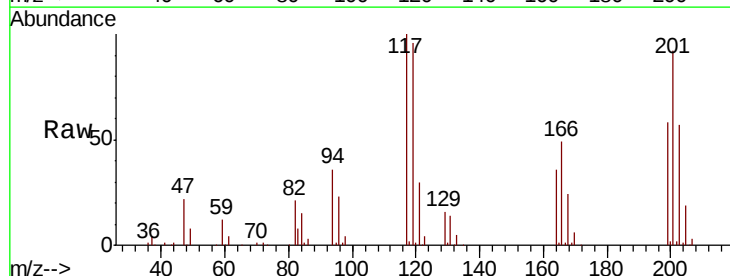
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 33.852 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.6	118.0
201	91.9	86.2	129.2

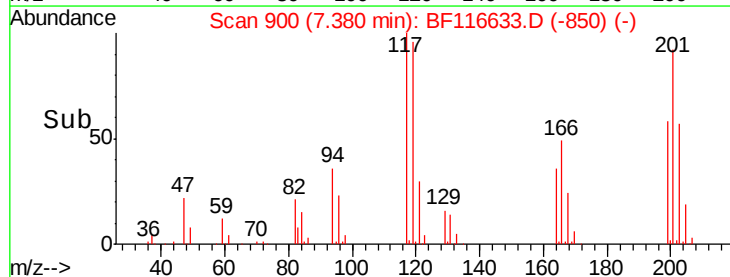
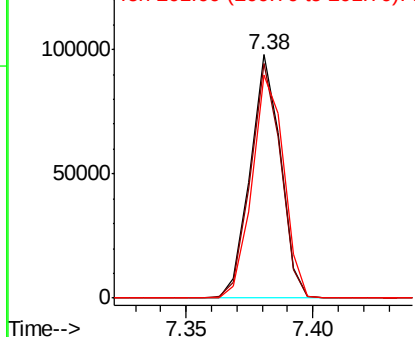


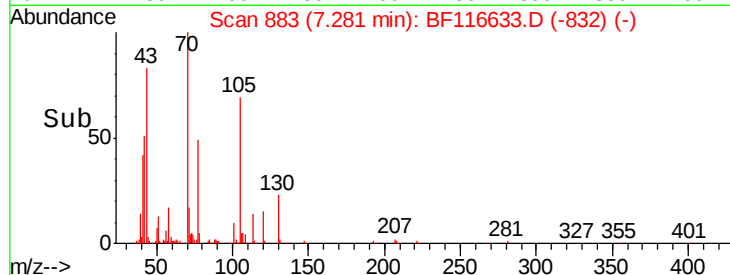
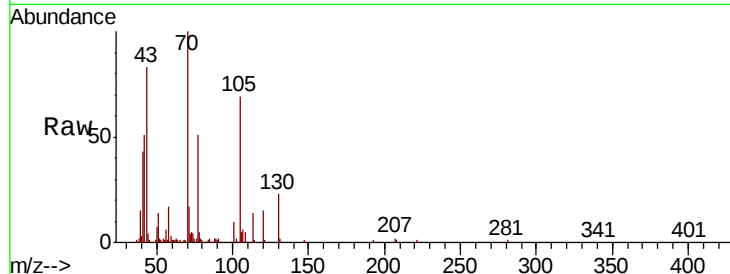
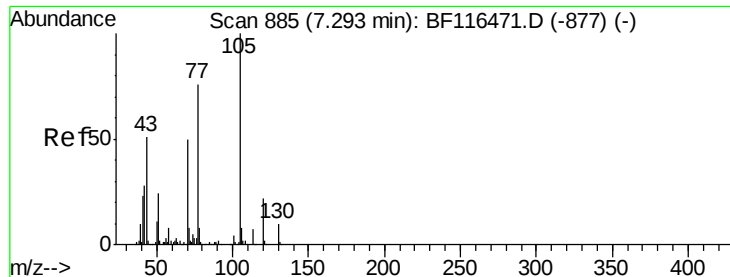
Abundance

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

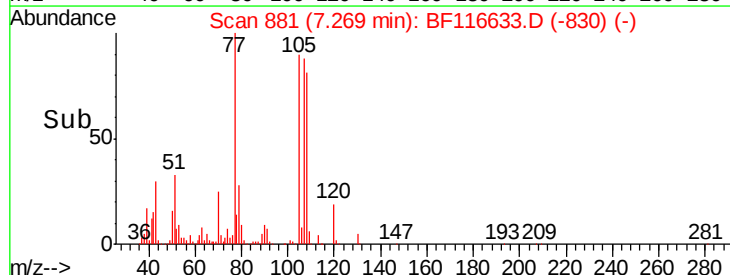
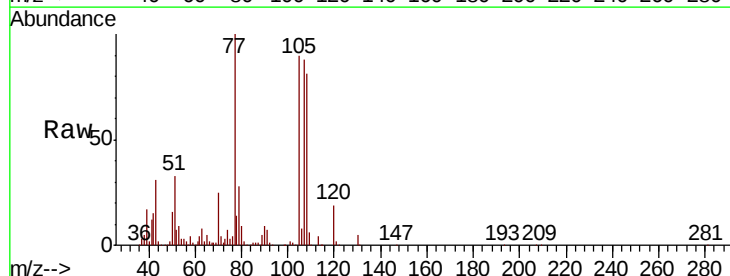
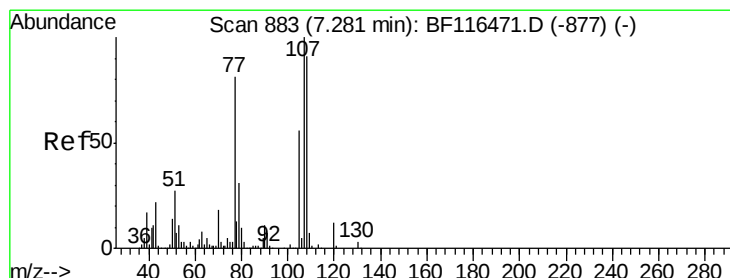
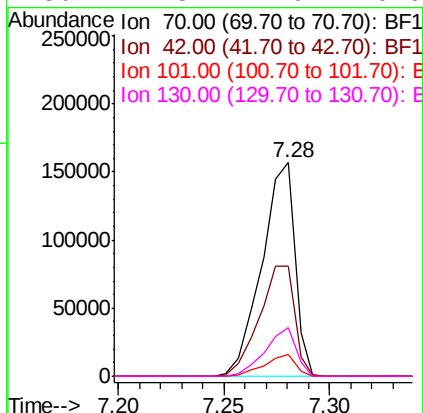




#19
n-Nitroso-di-n-propylamine
Concen: 40.660 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

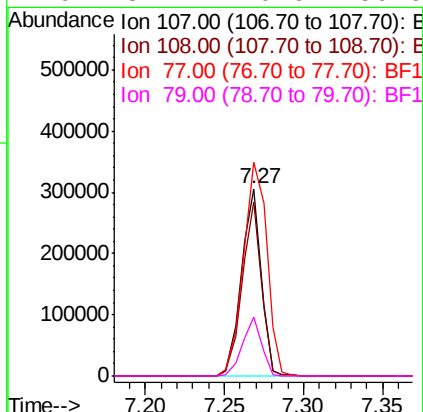
Instrument :
BNA_F
ClientSampleId :

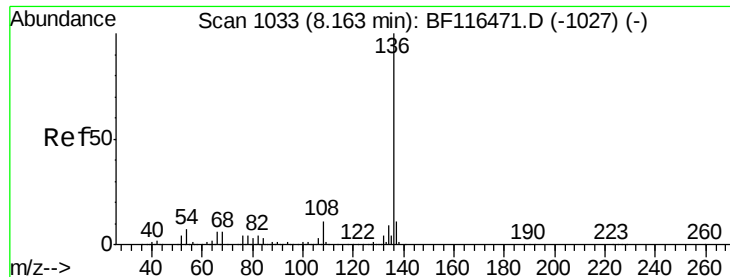
Tot Ion:	70	Resp:	171787
Ion	Ratio	Lower	Upper
70	100		
42	51.3	41.2	61.8
101	10.1	7.7	11.5
130	22.8	17.9	26.9



#20
3+4-Methylphenols
Concen: 44.028 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:	107	Resp:	264482
Ion	Ratio	Lower	Upper
107	100		
108	92.6	72.6	112.6
77	113.9	82.4	122.4
79	31.4	10.6	50.6

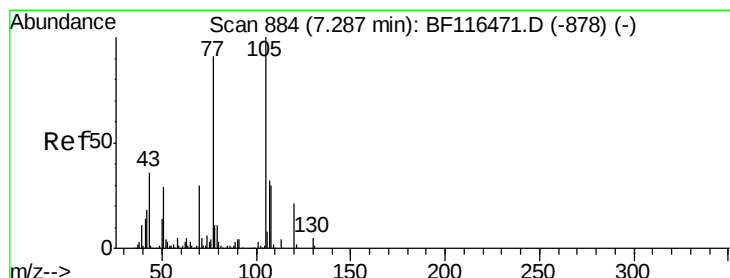
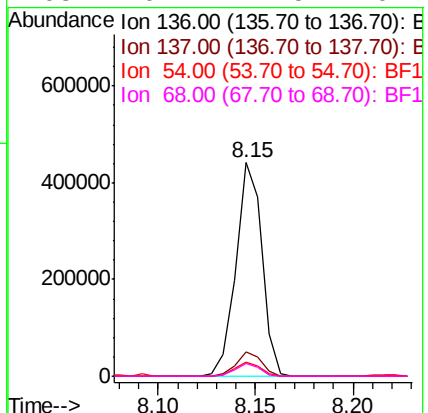
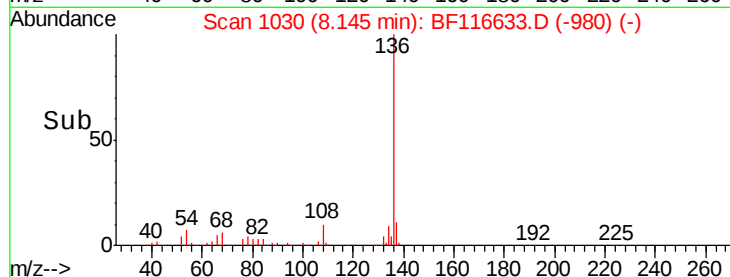
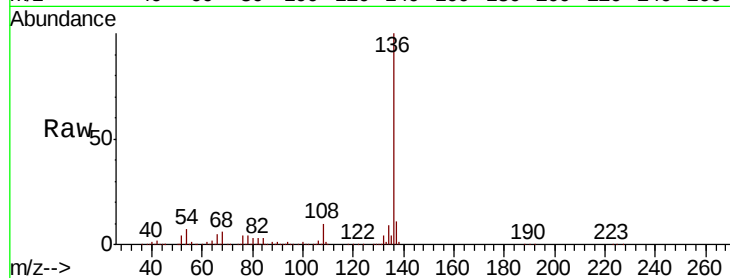




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

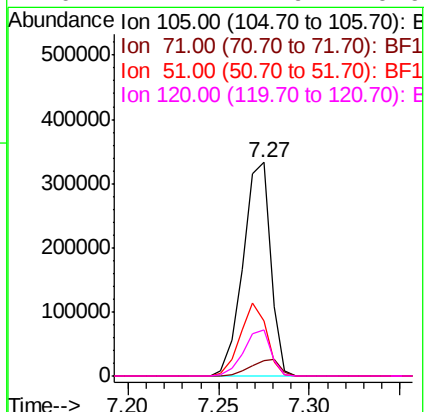
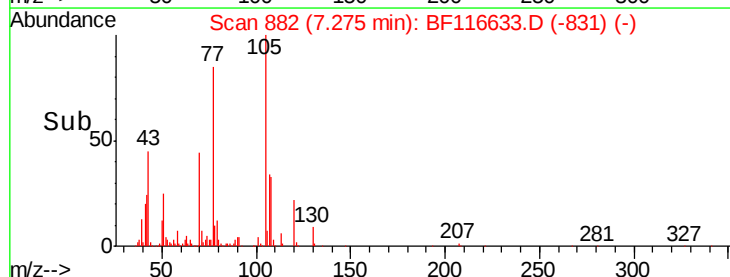
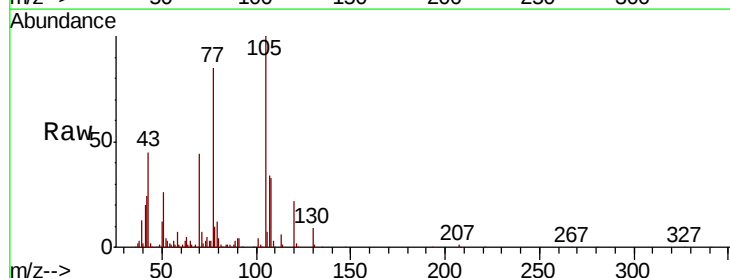
Instrument :
BNA_F
ClientSampleId :

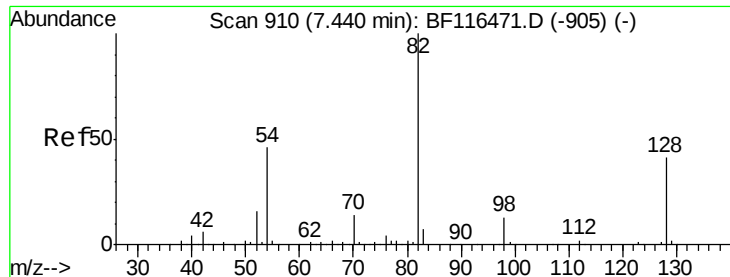
Tot Ion:136	Resp:	406976	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	8.7	13.1	
54 6.8	5.0	7.4	
68 6.1	4.5	6.7	



#22
Acetophenone
Concen: 36.817 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt	Ion:105	Resp:	351922
Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.0	7.6
51	25.5	20.7	31.1
120	21.7	17.9	26.9

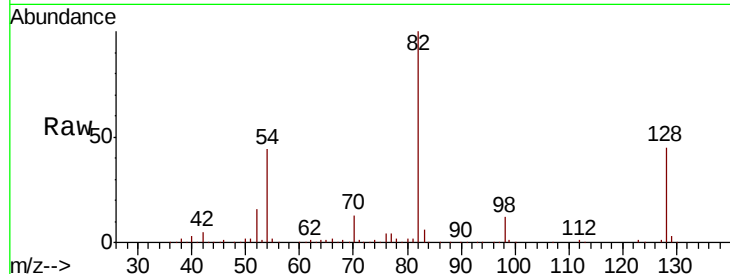




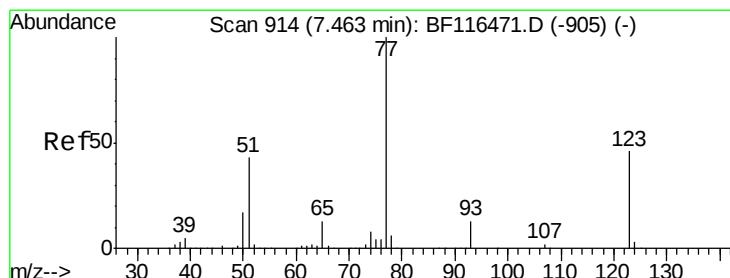
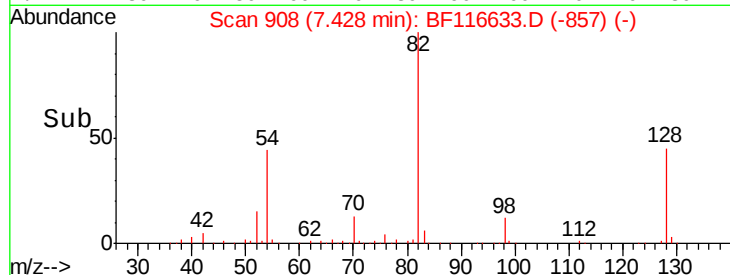
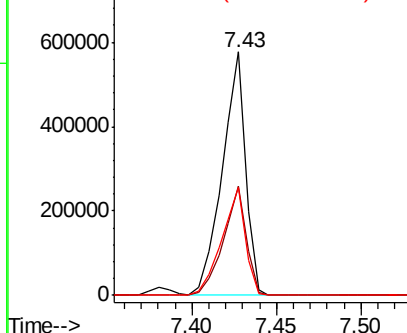
#23
 Nitrobenzene-d5
 Concen: 77.686 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.0	52.6
54	44.1	34.4	51.6

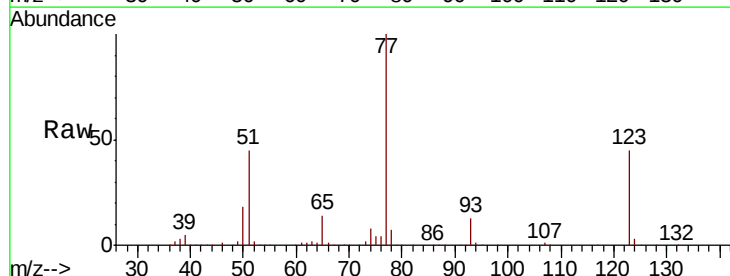


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

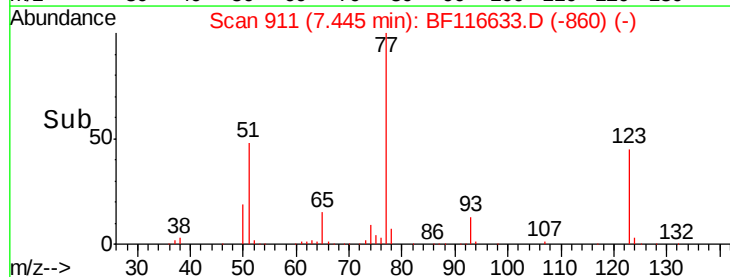
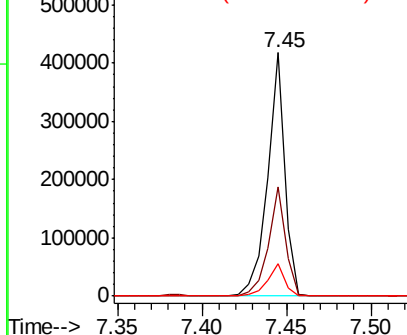


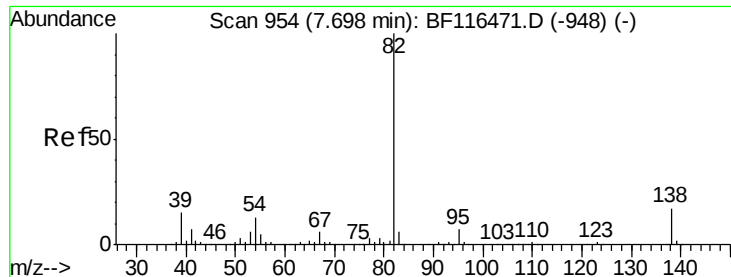
#24
 Nitrobenzene
 Concen: 41.014 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.0	38.2	57.4
65	13.5	11.0	16.6



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: 49.736 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

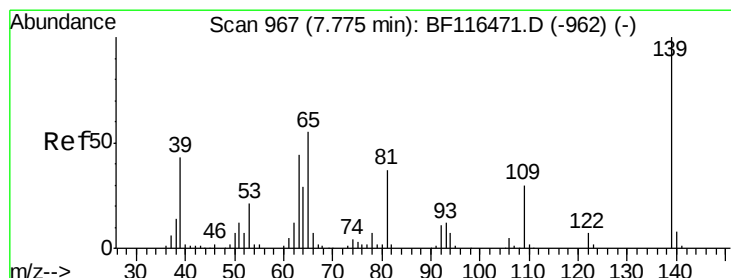
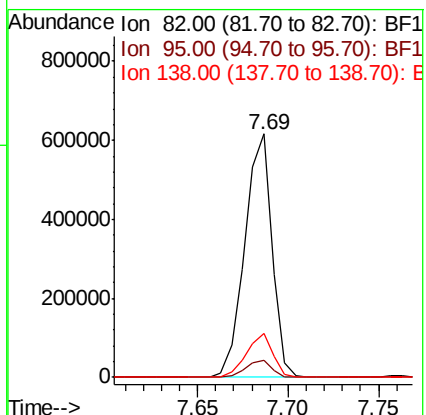
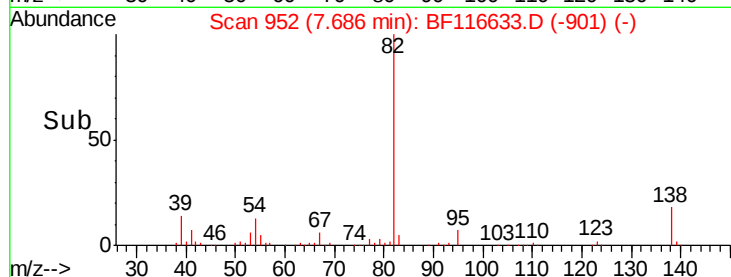
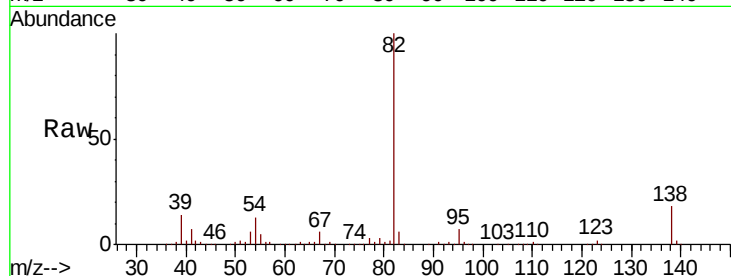
Tot Ion: 82 Resp: 643979

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

138 18.0 14.4 21.6



#26

2-Nitrophenol

Concen: 51.080 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

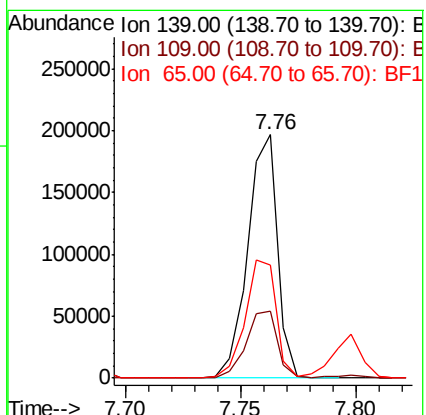
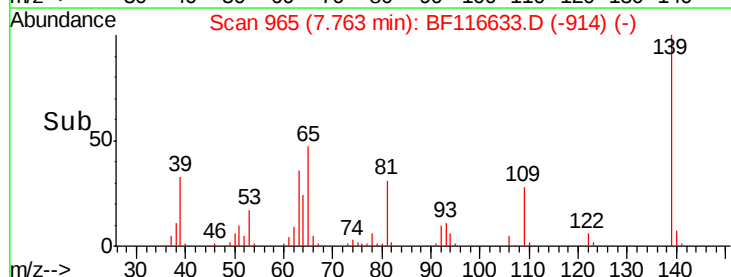
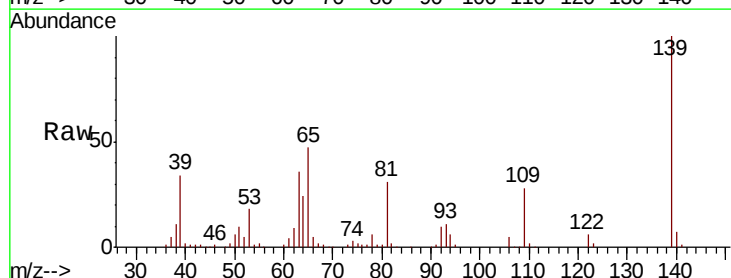
Tgt Ion: 139 Resp: 177051

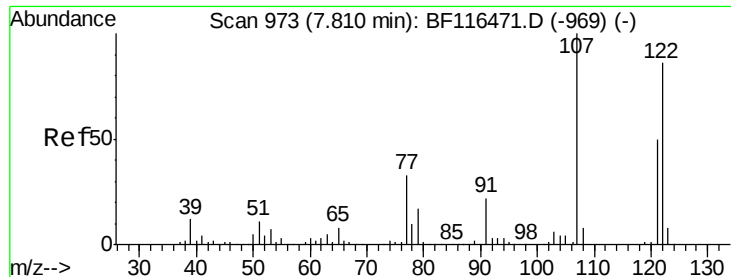
Ion Ratio Lower Upper

139 100

109 27.7 22.4 33.6

65 46.6 36.9 55.3





#27

2,4-Dimethylphenol

Concen: 53.906 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampled :

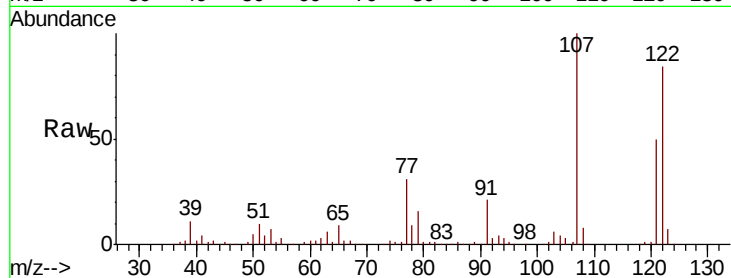
Tot Ion:122 Resp: 292578

Ion Ratio Lower Upper

122 100

107 119.1 95.4 143.0

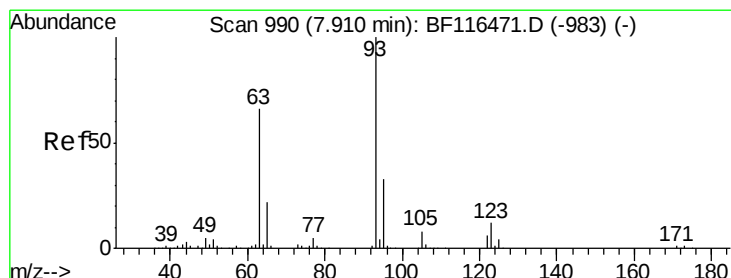
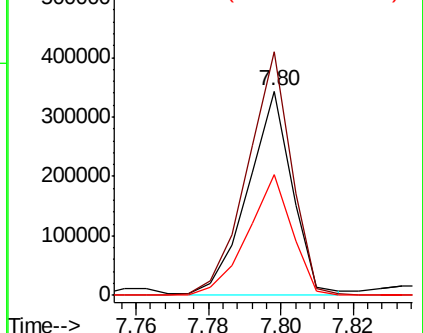
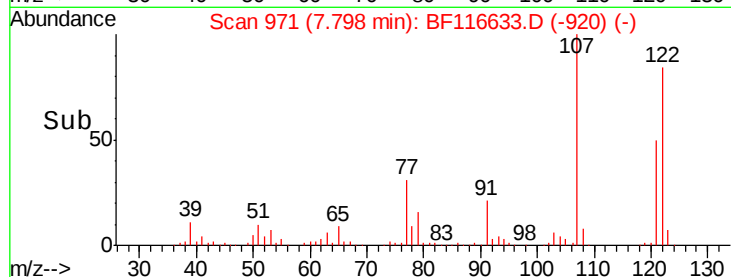
121 59.2 47.8 71.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.442 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

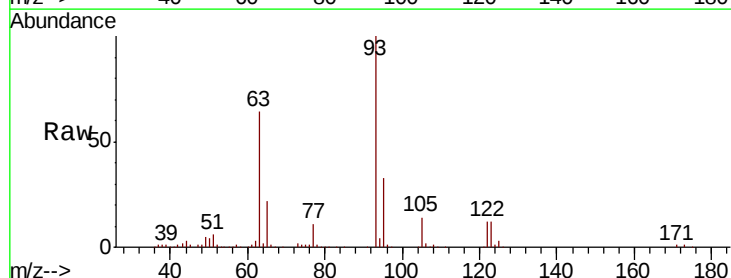
Tgt Ion: 93 Resp: 382180

Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

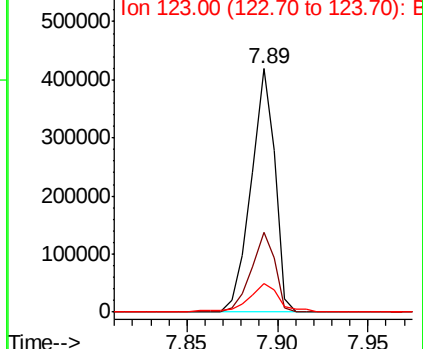
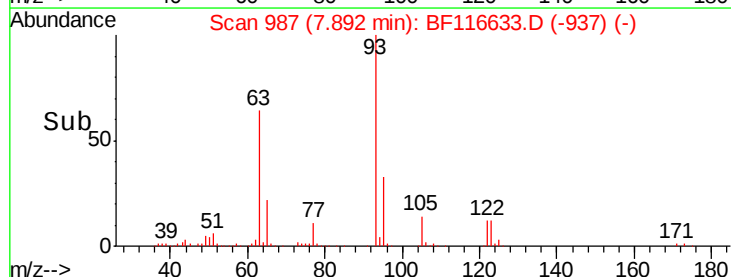
123 11.6 10.4 15.6

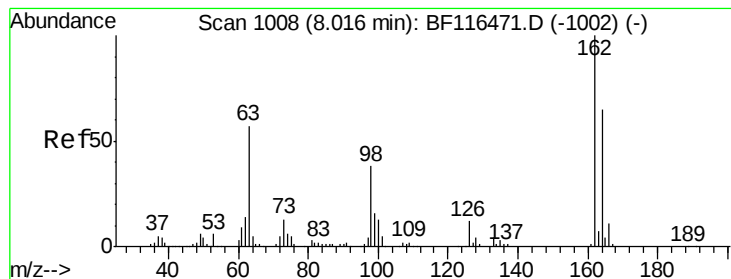


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 48.311 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

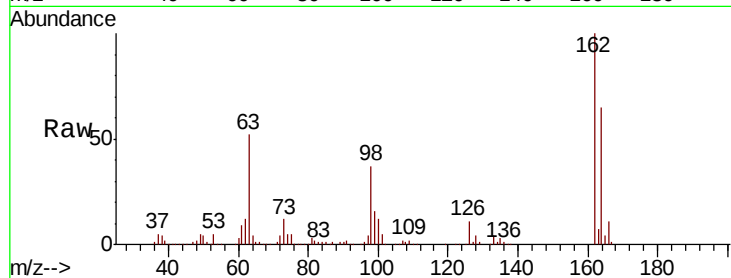
Tot Ion:162 Resp: 274048

Ion Ratio Lower Upper

162 100

164 65.5 45.9 85.9

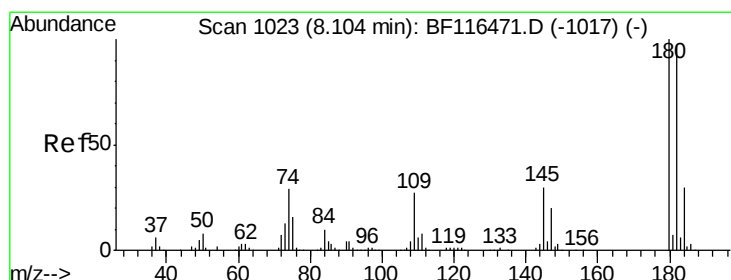
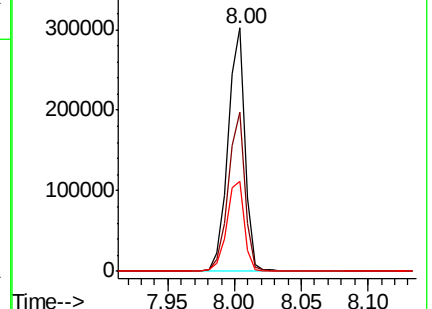
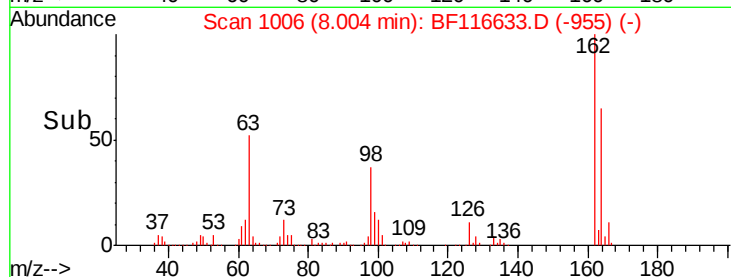
98 36.9 17.4 57.4



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: 44.098 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

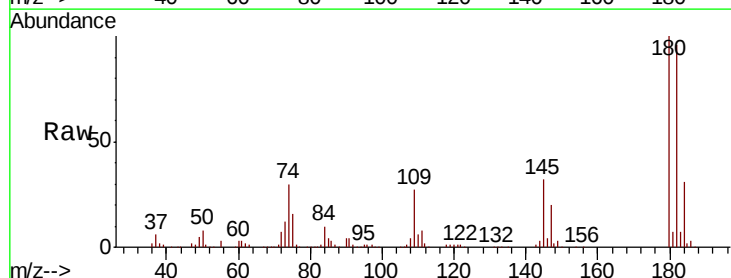
Tgt Ion:180 Resp: 287369

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

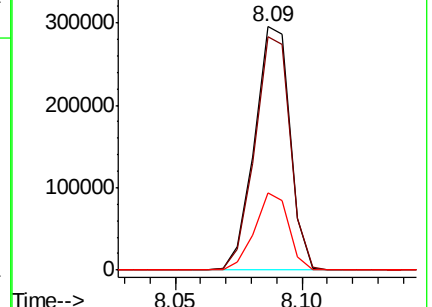
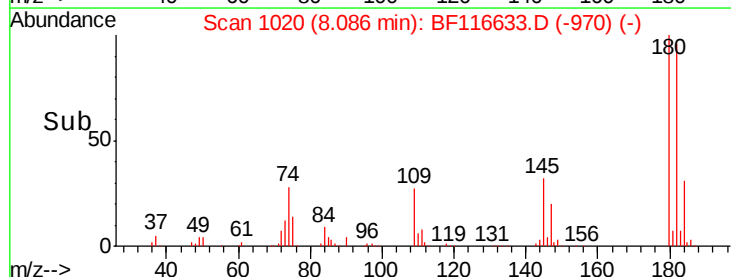
145 31.8 24.1 36.1

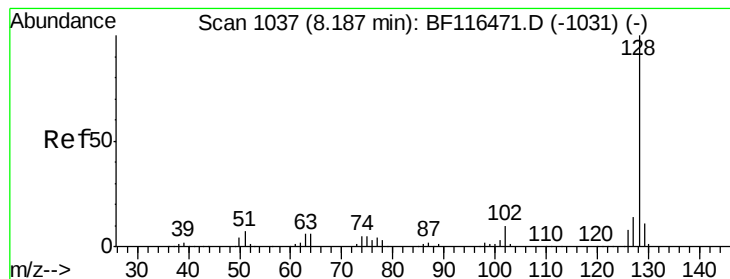


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 47.668 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

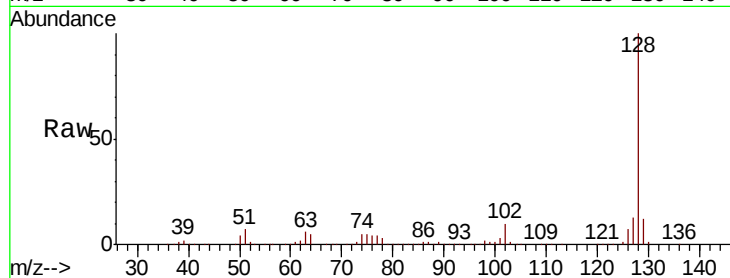
Tot Ion:128 Resp: 929281

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

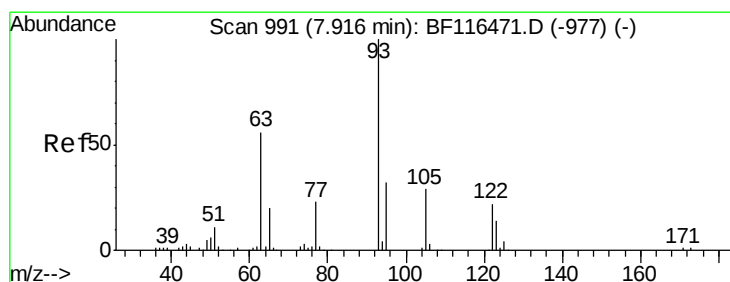
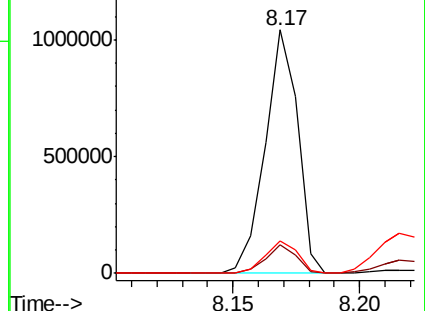
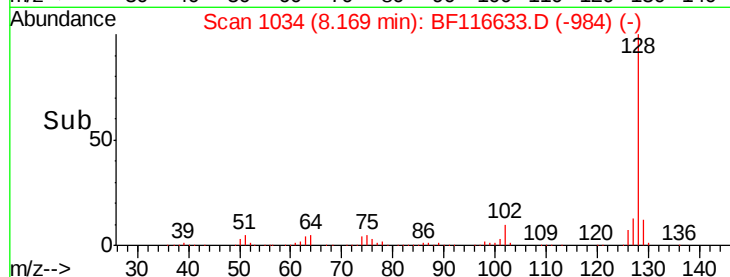
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 45.419 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

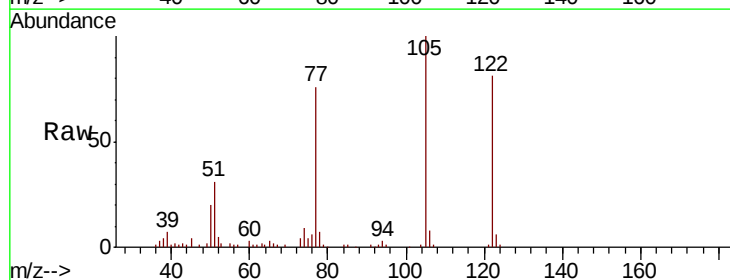
Tgt Ion:122 Resp: 210666

Ion Ratio Lower Upper

122 100

105 123.1 105.8 145.8

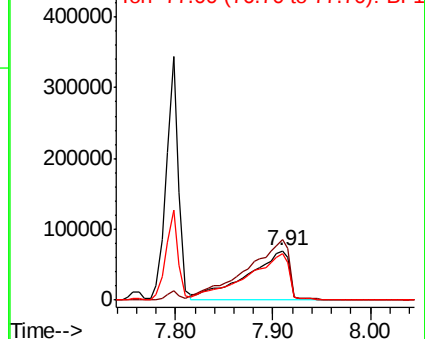
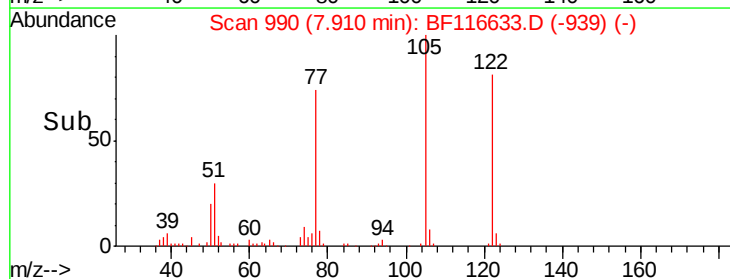
77 93.5 74.1 114.1

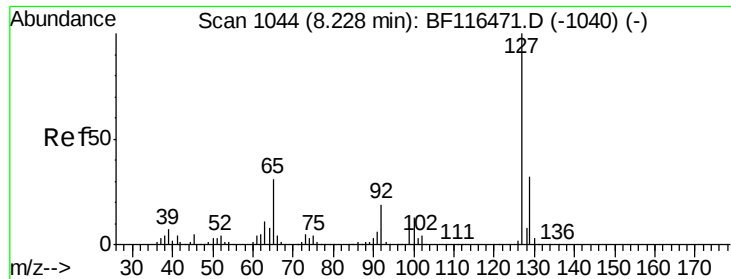


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

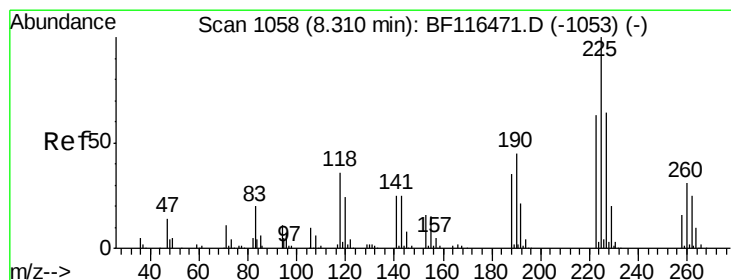
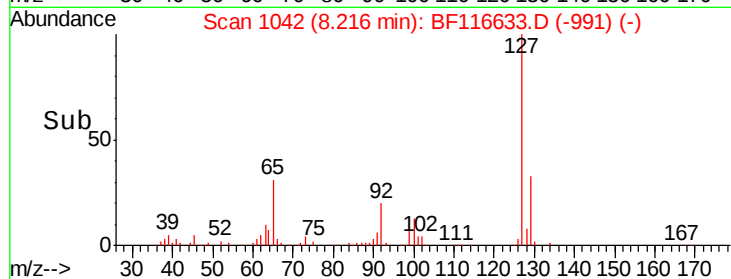
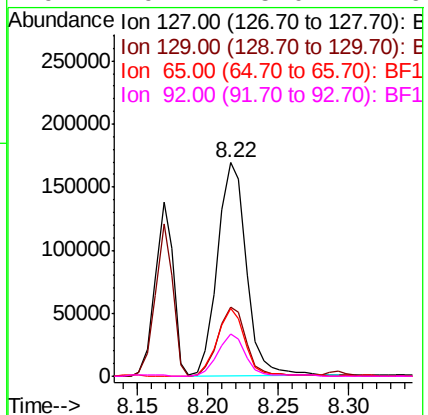
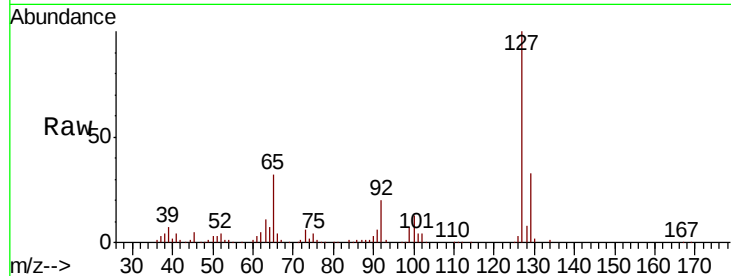




#33
4-Chloroaniline
Concen: 28.055 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

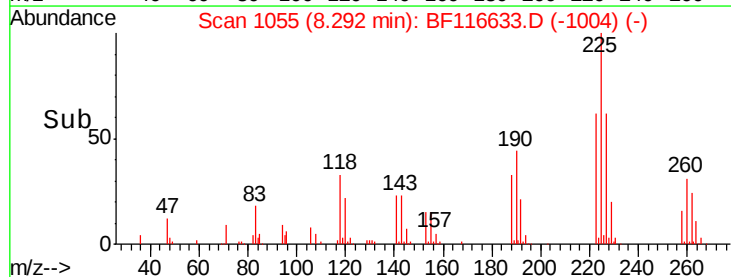
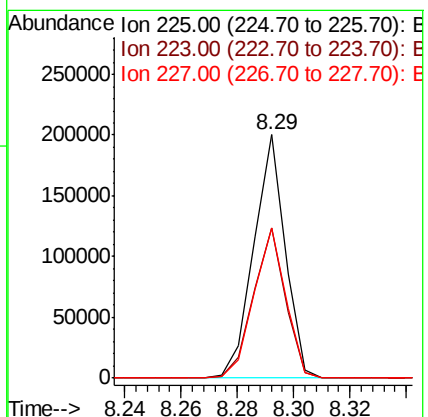
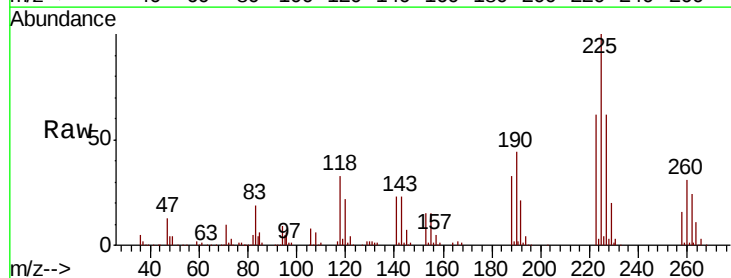
Instrument :
BNA_F
ClientSampled :

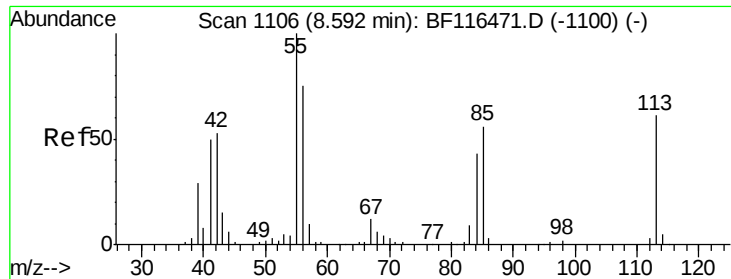
Tot Ion:	127	Resp:	241056
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	31.6	22.6	33.8
92	19.7	15.0	22.6



#34
Hexachlorobutadiene
Concen: 42.592 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:	225	Resp:	154639
Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.7	76.1
227	61.6	50.4	75.6

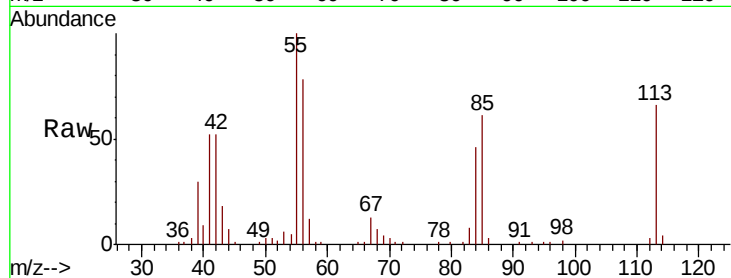




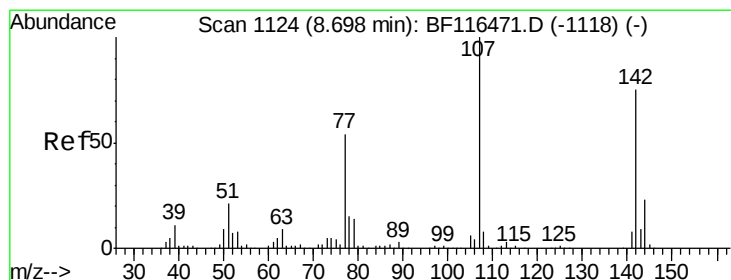
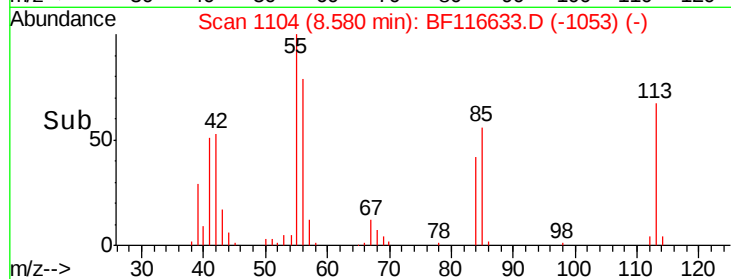
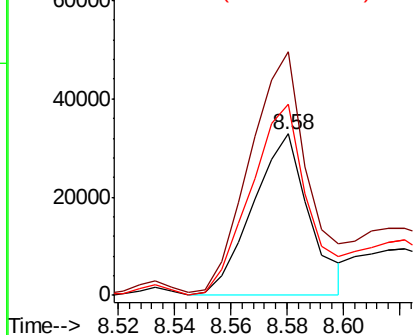
#35
 Caprolactam
 Concen: 26.987 ng
 RT: 8.58 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 45711
 Ion Ratio Lower Upper
 113 100
 55 150.6 128.3 168.3
 56 118.2 93.2 133.2

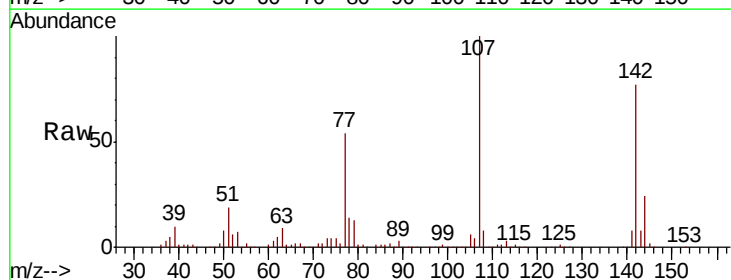


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

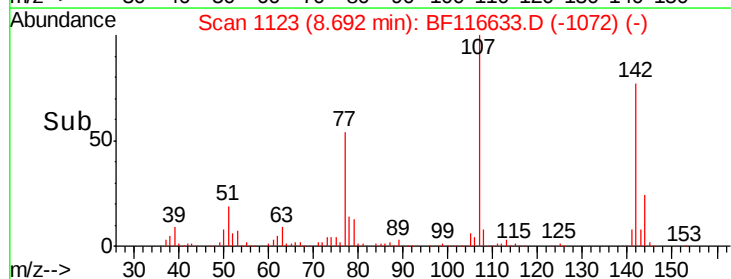
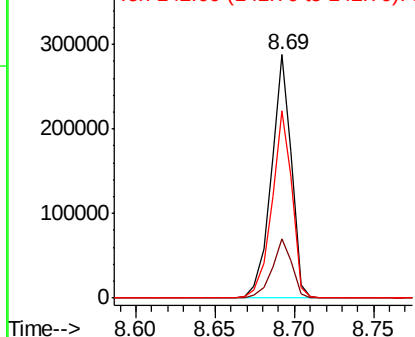


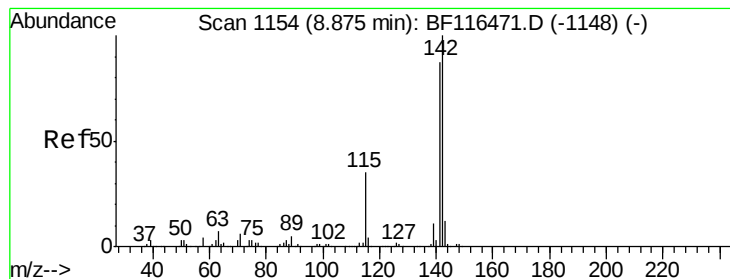
#36
 4-Chloro-3-methylphenol
 Concen: 44.665 ng
 RT: 8.69 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:107 Resp: 255224
 Ion Ratio Lower Upper
 107 100
 144 24.3 20.6 30.8
 142 76.8 63.8 95.6



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

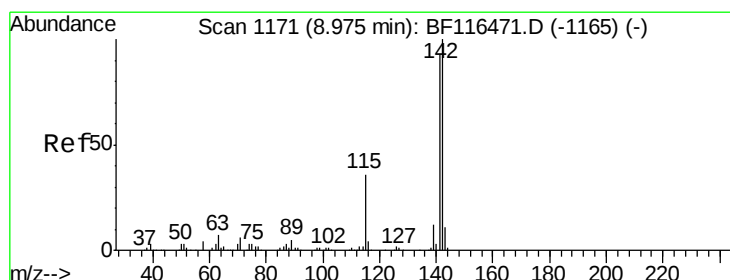
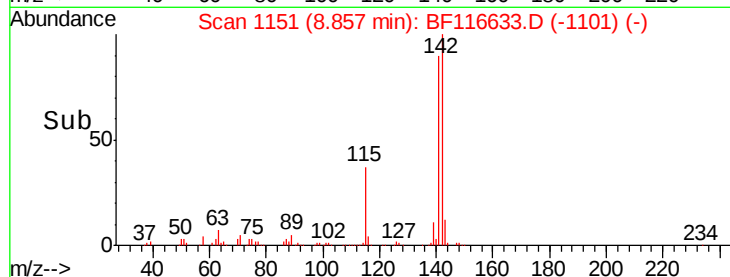
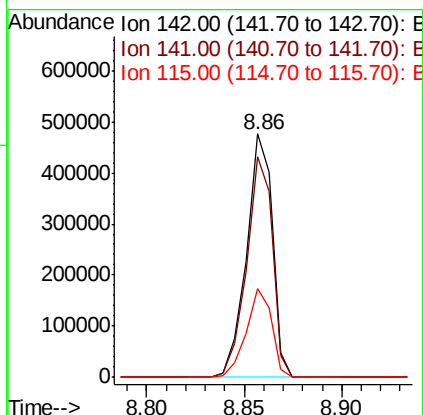
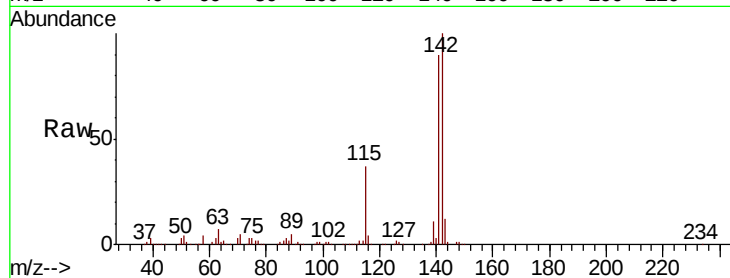




#37
 2-Methylnaphthalene
 Concen: 35.986 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

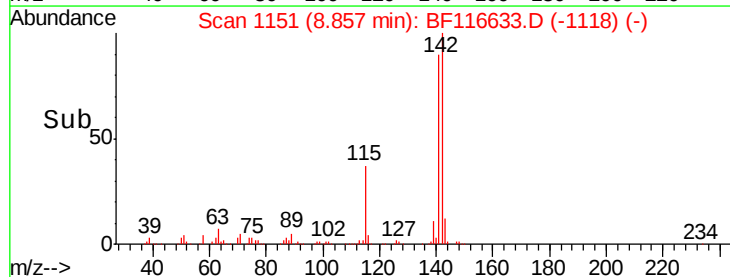
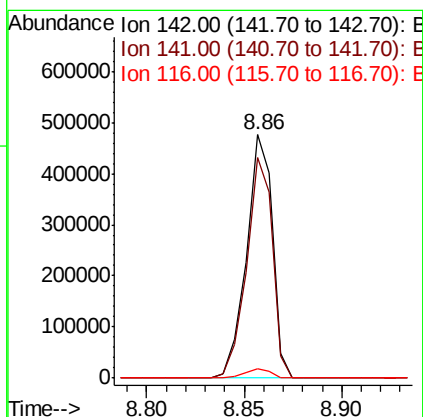
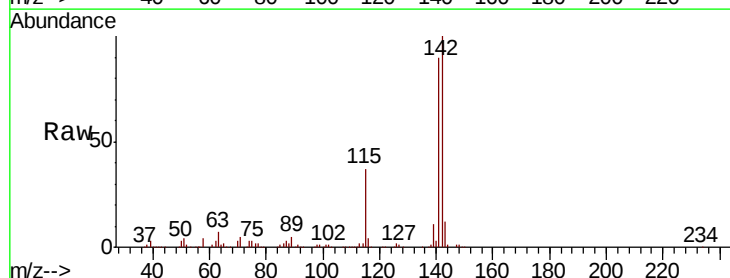
Instrument :
 BNA_F
 ClientSampleId :

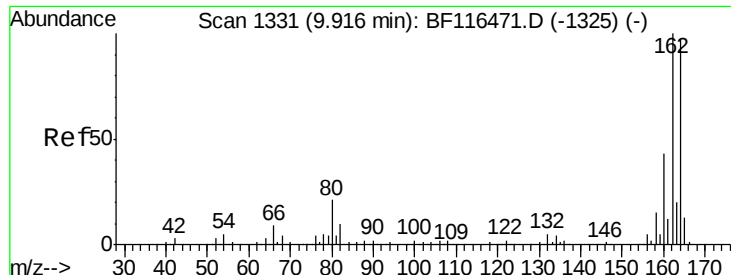
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	69.5	104.3
115	36.6	26.0	39.0



#38
 1-Methylnaphthalene
 Concen: 36.848 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.11 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.1	109.7
116	3.9	2.7	4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

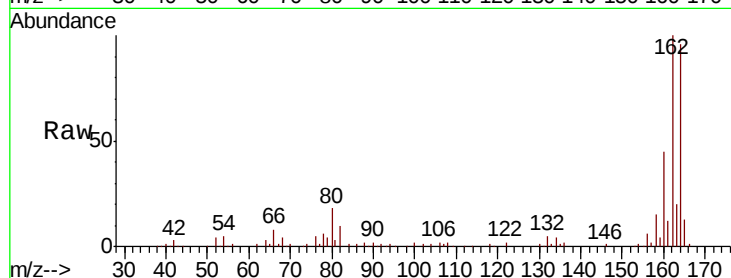
Tot Ion:164 Resp: 107004

Ion Ratio Lower Upper

164 100

162 103.8 83.4 125.0

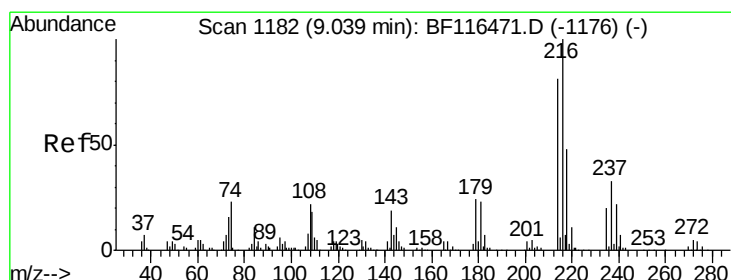
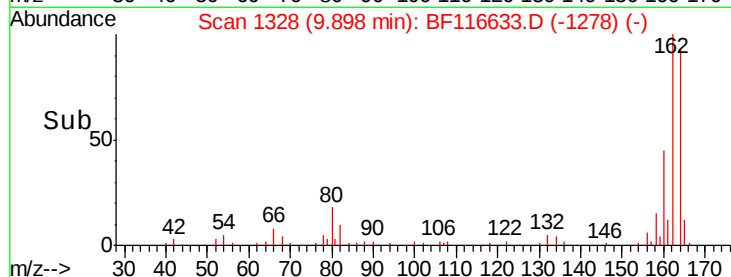
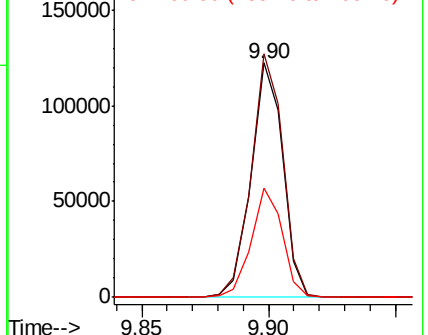
160 46.3 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.869 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Tgt Ion:216 Resp: 137598

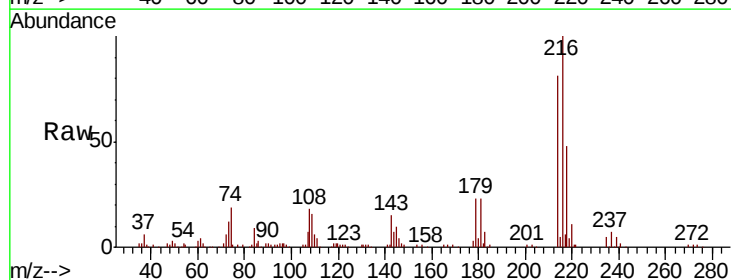
Ion Ratio Lower Upper

216 100

214 80.0 63.3 94.9

179 23.5 17.9 26.9

108 21.8 16.0 24.0

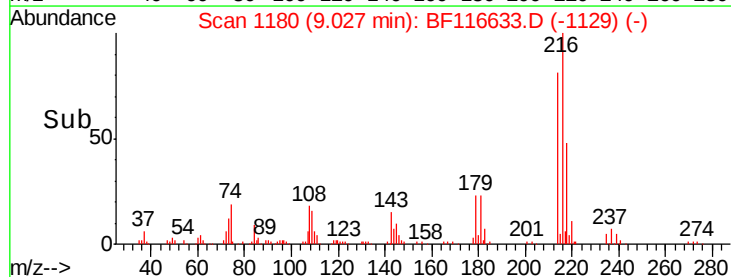
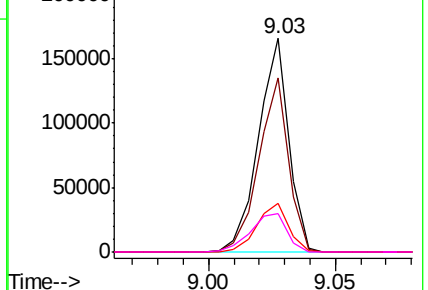


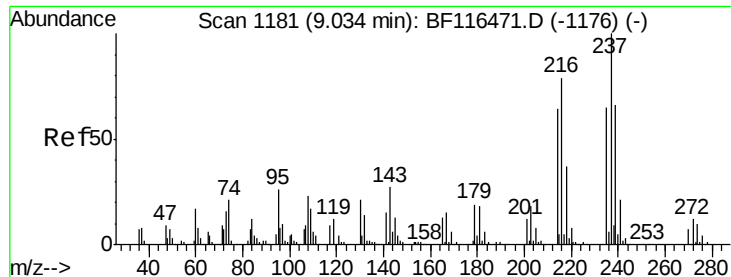
Abundance Ion 216.00 (215.70 to 216.70): E

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: 56.283 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampled :

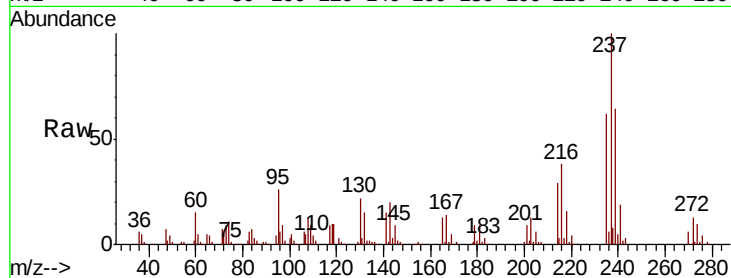
Tot Ion:237 Resp: 95683

Ion Ratio Lower Upper

237 100

235 62.1 42.9 82.9

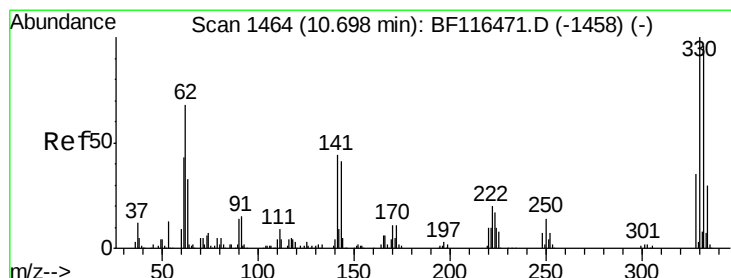
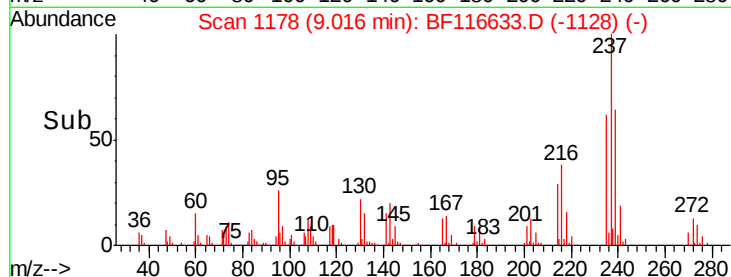
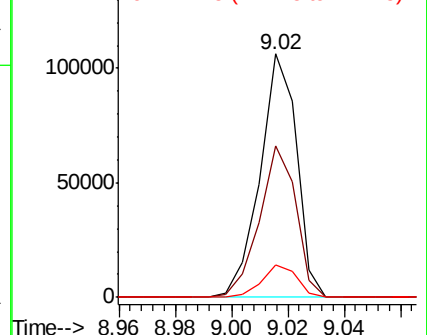
272 13.4 0.0 33.8



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: 161.249 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

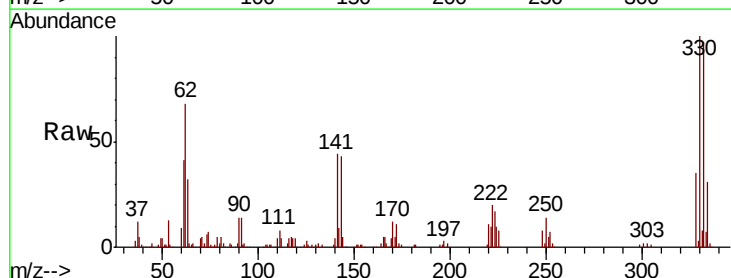
Tgt Ion:330 Resp: 164193

Ion Ratio Lower Upper

330 100

332 96.7 77.5 116.3

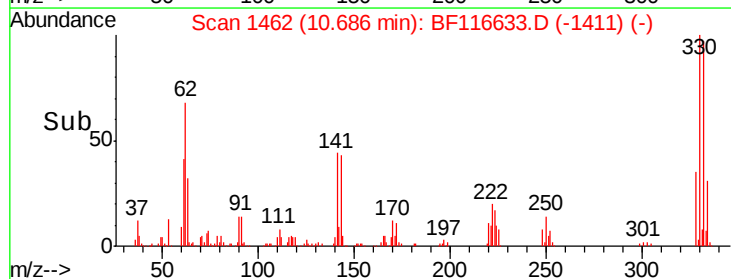
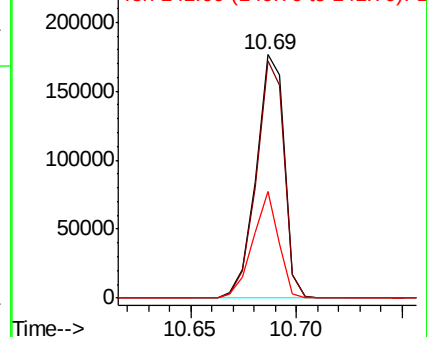
141 39.9 28.2 42.2

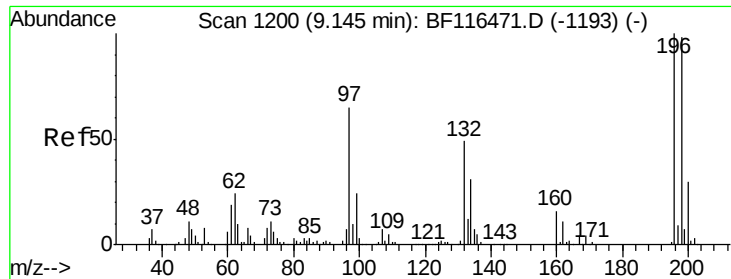


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

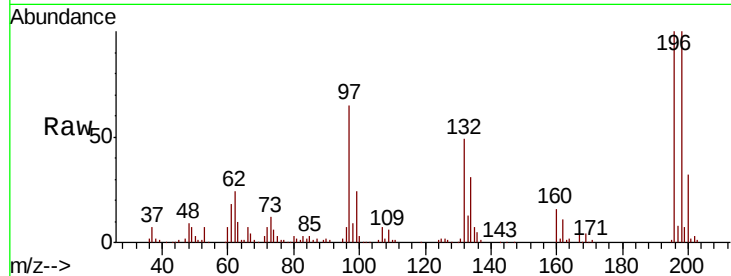




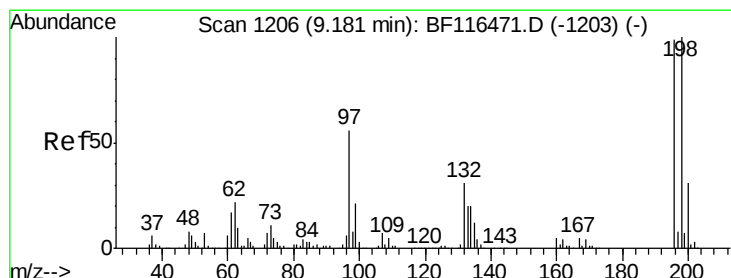
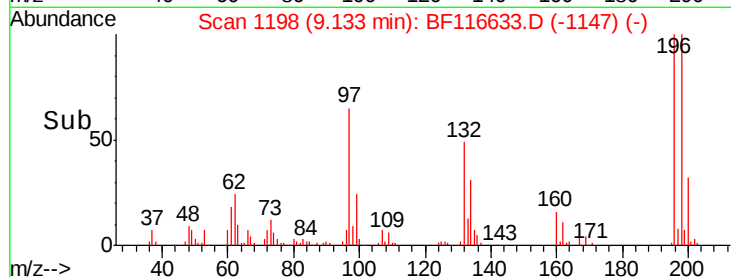
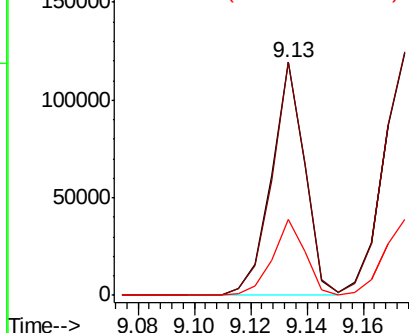
#43
 2,4,6-Trichlorophenol
 Concen: 47.364 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 97657
 Ion Ratio Lower Upper
 196 100
 198 100.4 76.8 115.2
 200 32.4 25.0 37.6

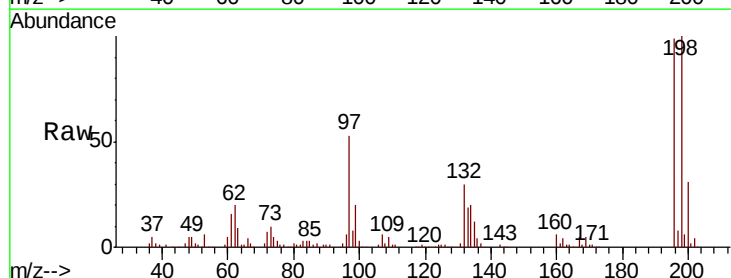


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

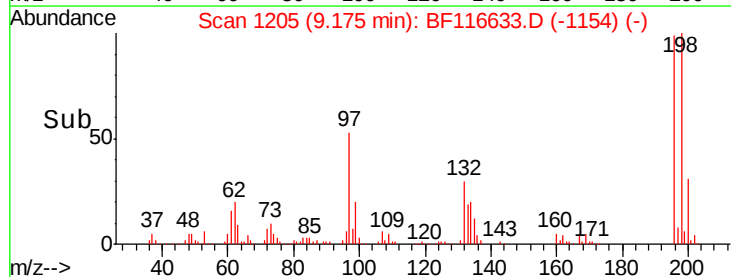
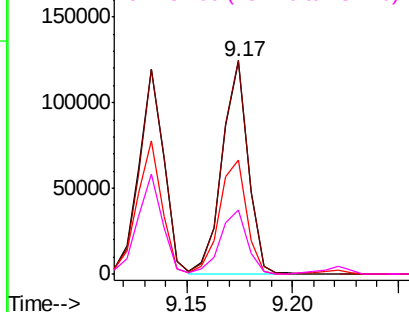


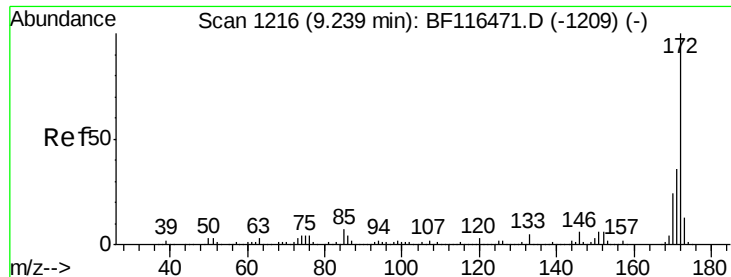
#44
 2,4,5-Trichlorophenol
 Concen: 50.799 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:196 Resp: 105344
 Ion Ratio Lower Upper
 196 100
 198 100.6 82.0 123.0
 97 53.4 37.0 55.6
 132 30.0 22.2 33.2



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



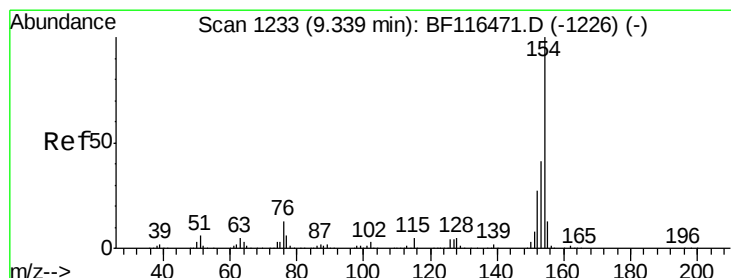
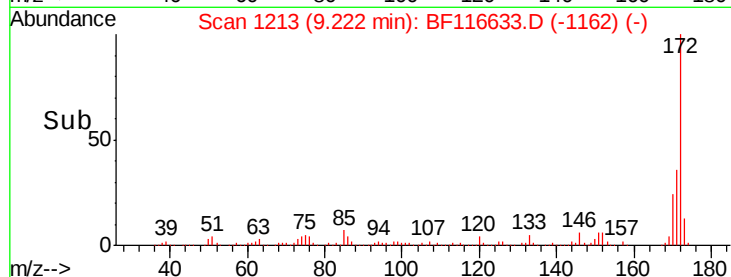
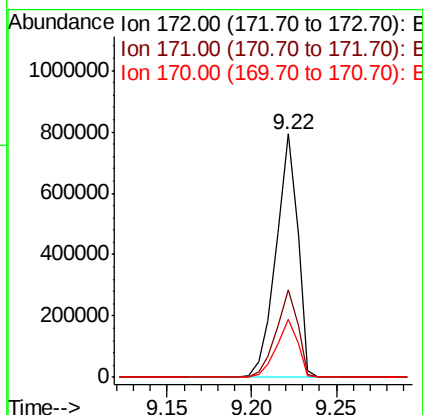
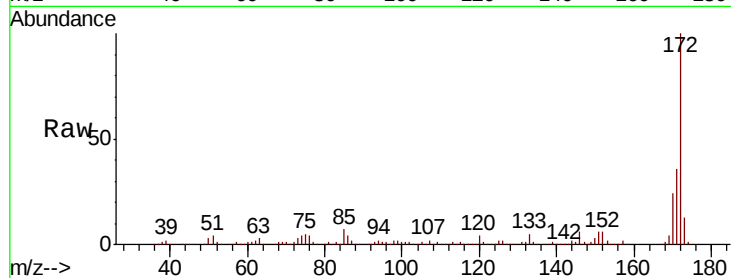


#45
 2-Fluorobiphenyl
 Concen: 109.857 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 706356

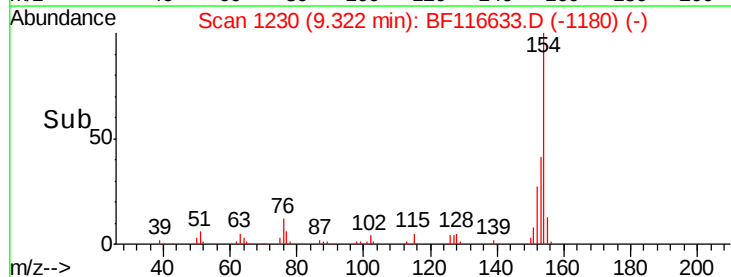
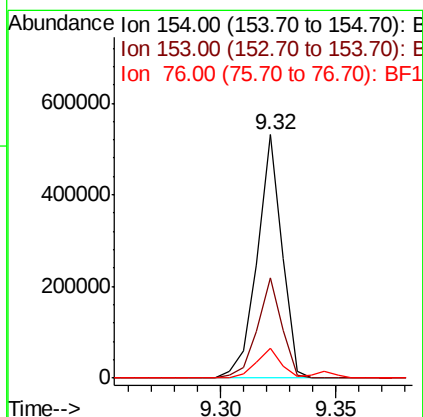
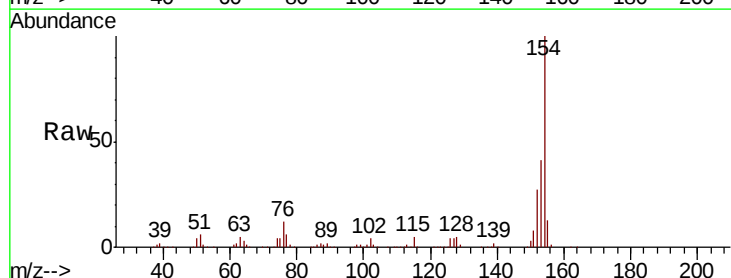
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	23.7	19.3	28.9

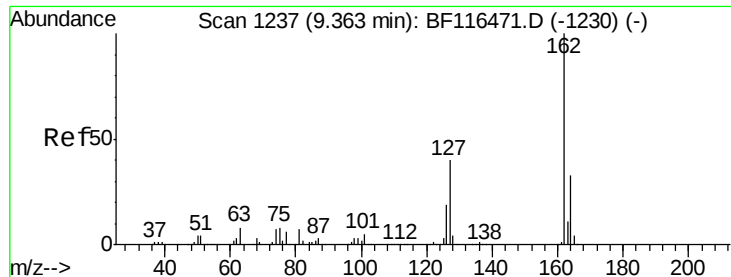


#46
 1,1'-Biphenyl
 Concen: 49.051 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:154 Resp: 398429

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	12.4	0.0	31.8

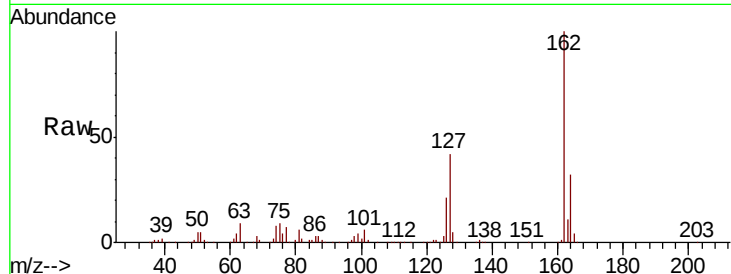




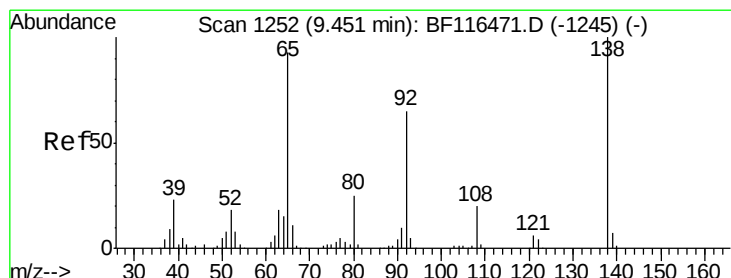
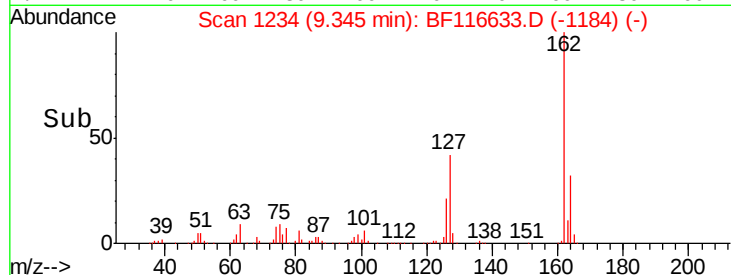
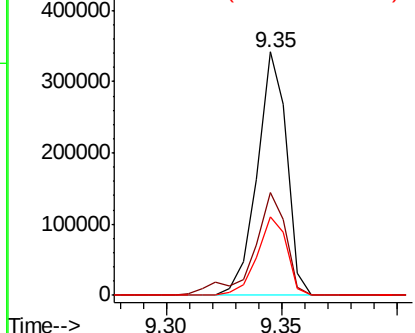
#47
 2-Chloronaphthalene
 Concen: 48.033 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.5	31.1	46.7
164	32.2	26.8	40.2

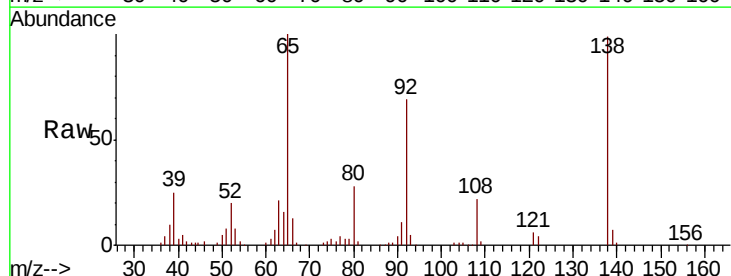


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

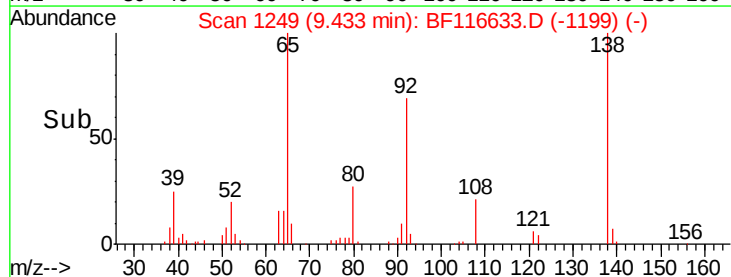
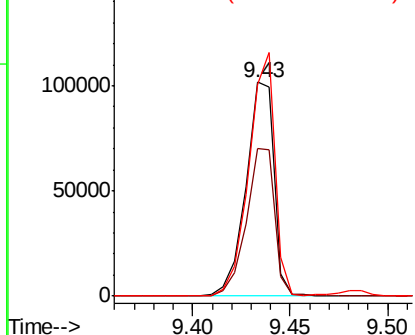


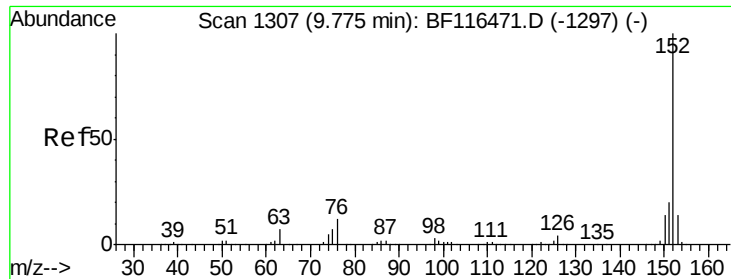
#48
 2-Nitroaniline
 Concen: 50.809 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	58.2	87.2
138	99.0	96.6	144.8



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: 51.725 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

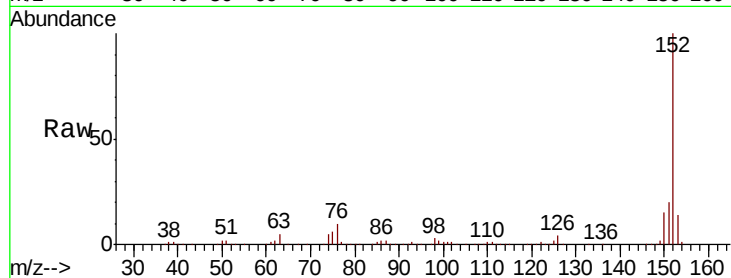
Tot Ion:152 Resp: 481074

Ion Ratio Lower Upper

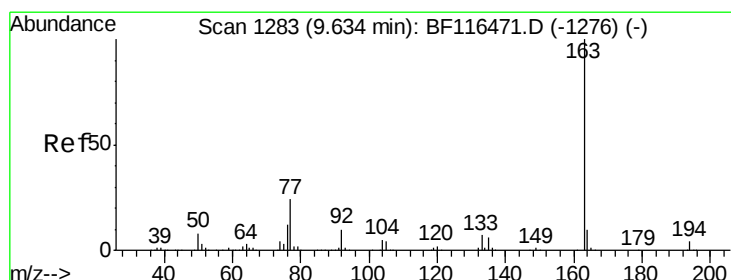
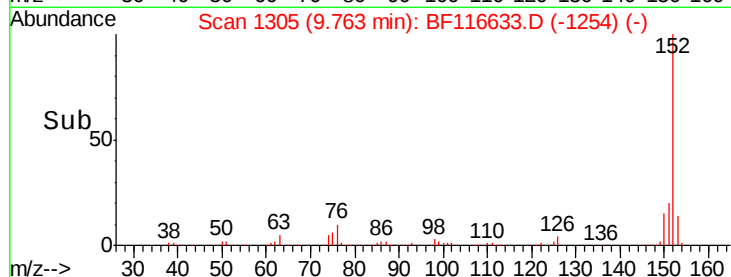
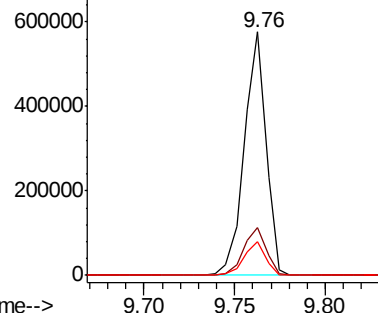
152 100

151 19.9 16.4 24.6

153 13.7 11.3 16.9



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: 56.670 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

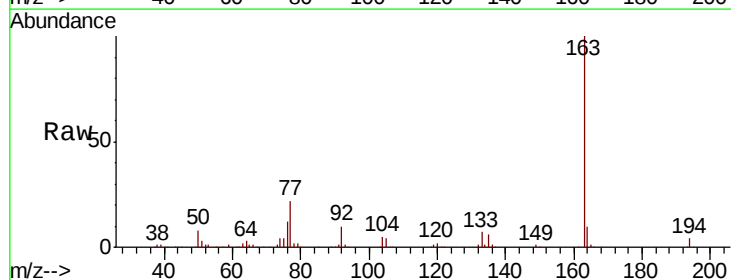
Tgt Ion:163 Resp: 407668

Ion Ratio Lower Upper

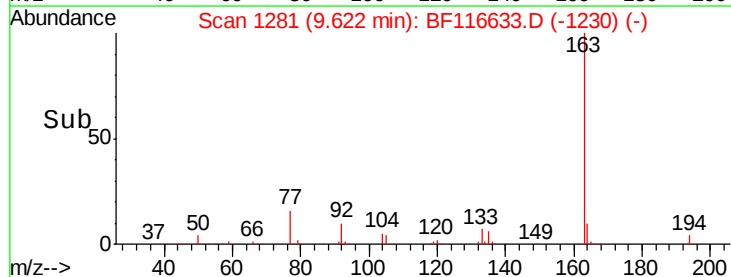
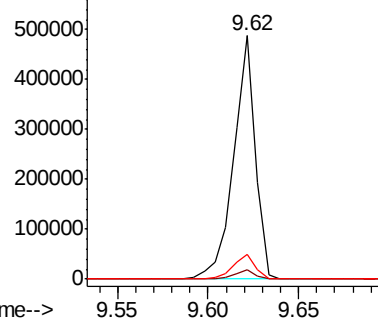
163 100

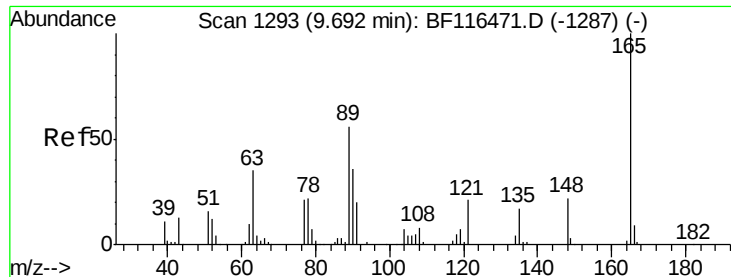
194 3.8 3.0 4.6

164 10.3 8.2 12.2



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: 51.088 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

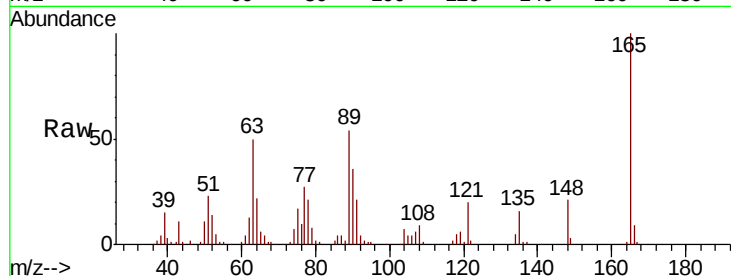
Tot Ion:165 Resp: 81042

Ion Ratio Lower Upper

165 100

63 50.4 37.2 55.8

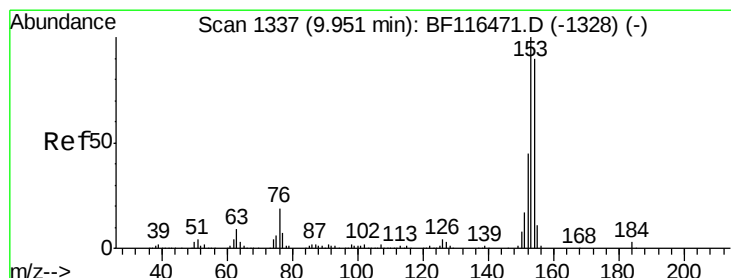
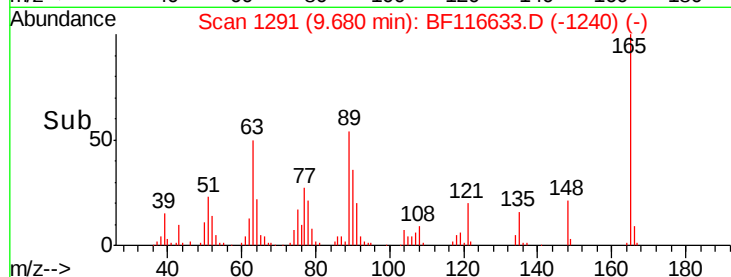
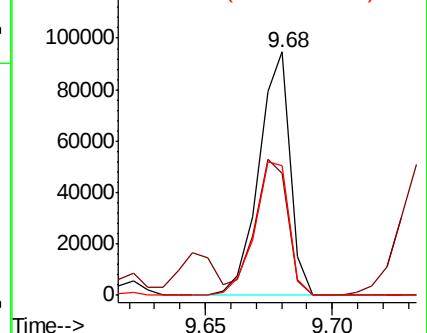
89 53.5 40.8 61.2



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: 52.905 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

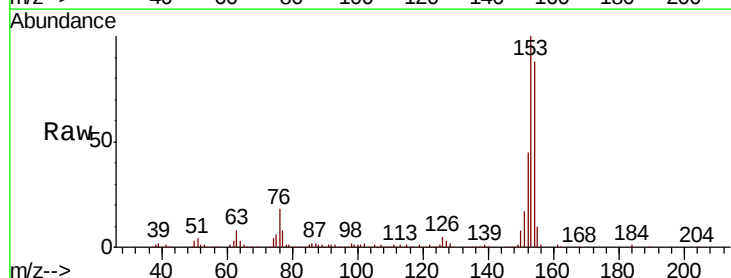
Tgt Ion:154 Resp: 333166

Ion Ratio Lower Upper

154 100

153 113.2 86.6 129.8

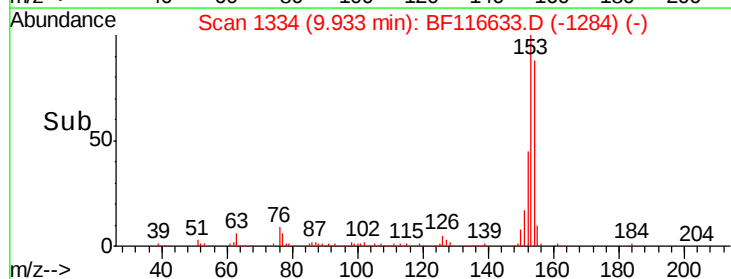
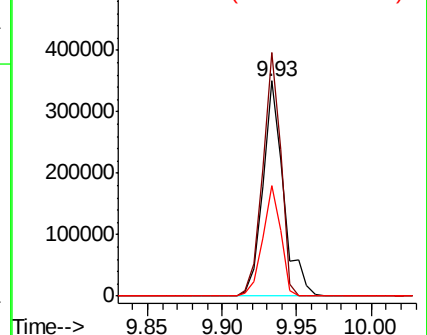
152 51.4 39.4 59.0

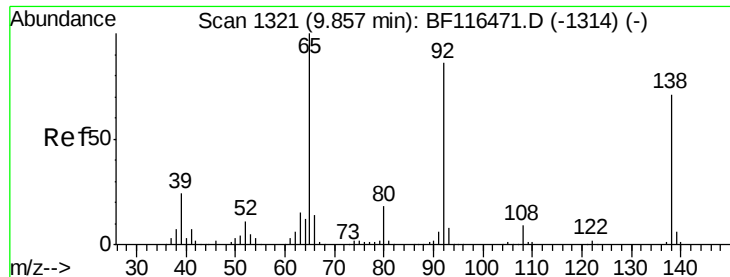


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

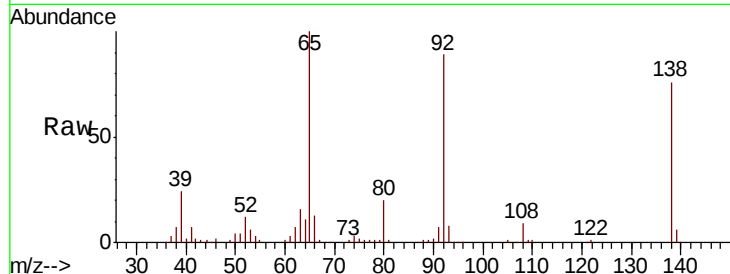




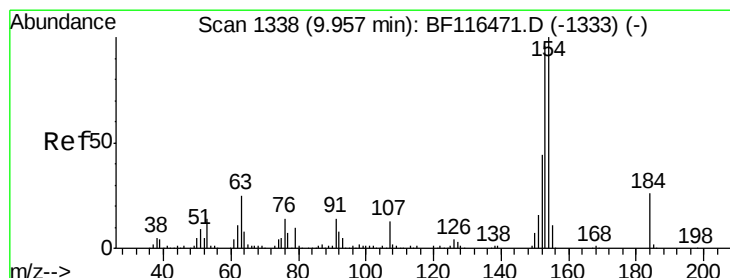
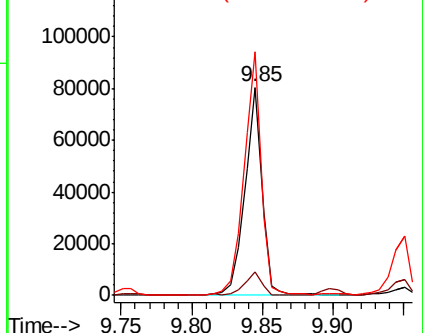
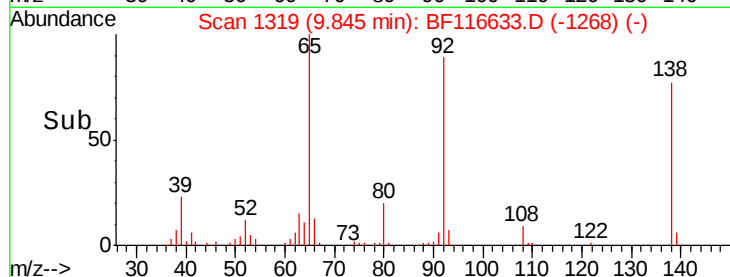
#53
3-Nitroaniline
Concen: 36.136 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 68446
Ion Ratio Lower Upper
138 100
108 11.6 8.5 12.7
92 116.9 91.6 137.4

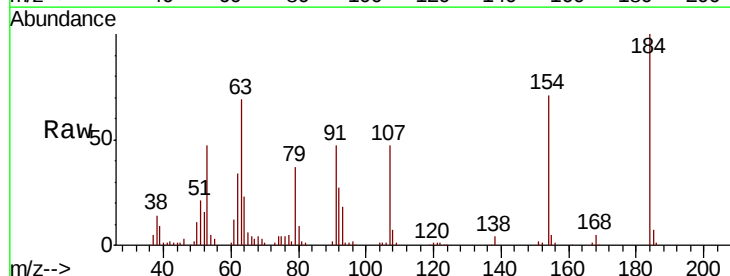


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

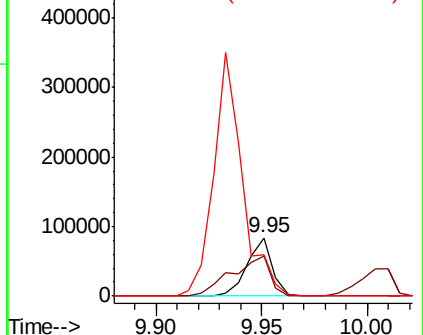
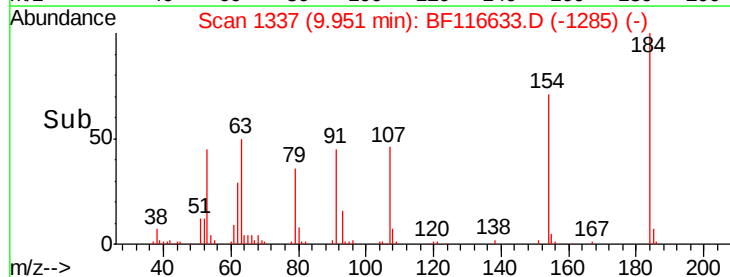


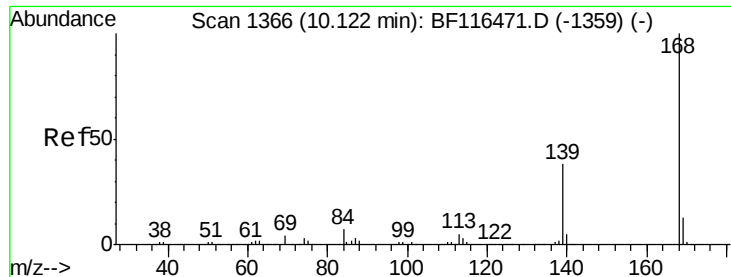
#54
2,4-Dinitrophenol
Concen: 88.486 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:184 Resp: 69552
Ion Ratio Lower Upper
184 100
63 69.4 62.7 94.1
154 71.1 150.0 225.0#



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

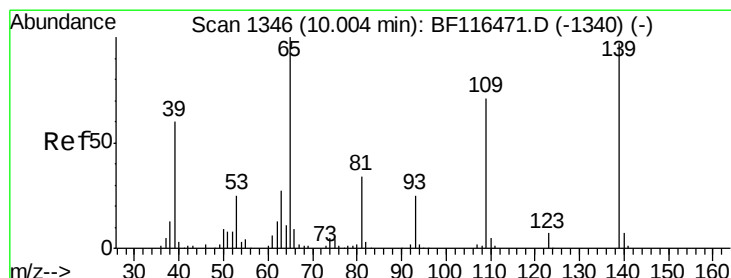
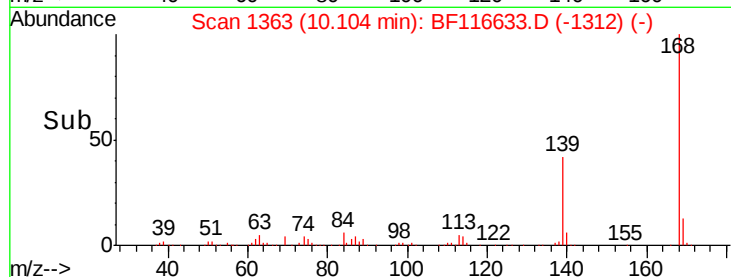
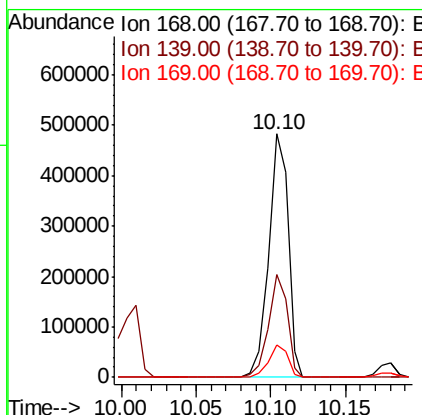
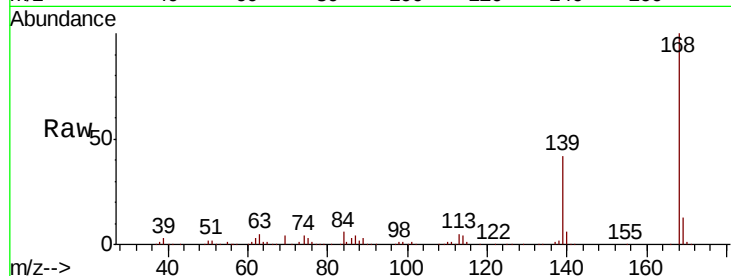




#55
Dibenzenofuran
Concen: 50.852 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

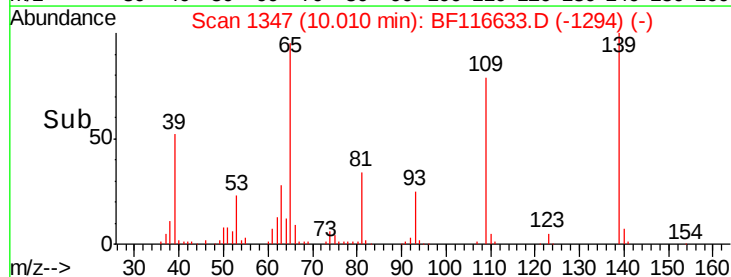
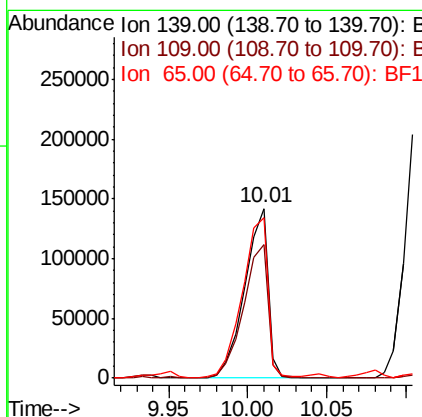
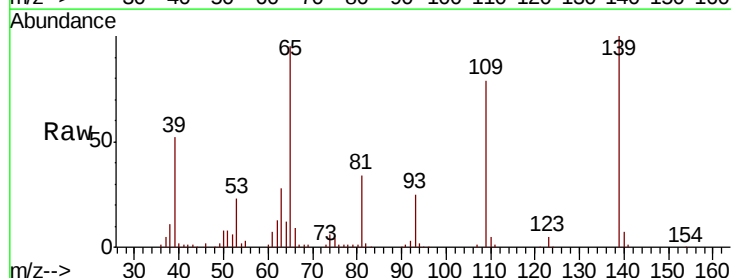
Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 431243
Ion Ratio Lower Upper
168 100
139 42.2 31.3 46.9
169 13.5 11.3 16.9



#56
4-Nitrophenol
Concen: 100.583 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:139 Resp: 144832
Ion Ratio Lower Upper
139 100
109 78.5 45.5 85.5
65 94.8 66.8 106.8

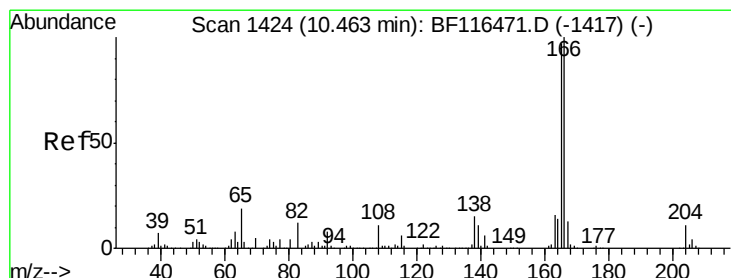
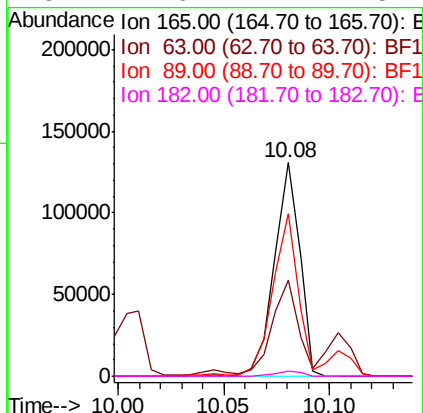
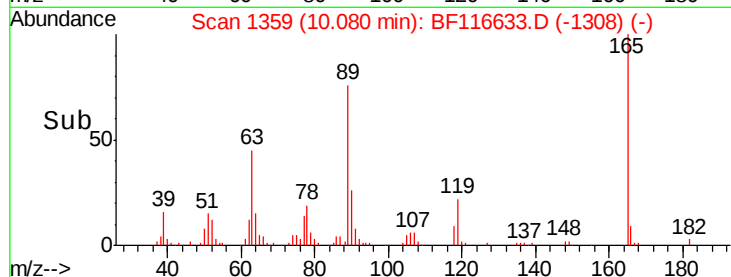
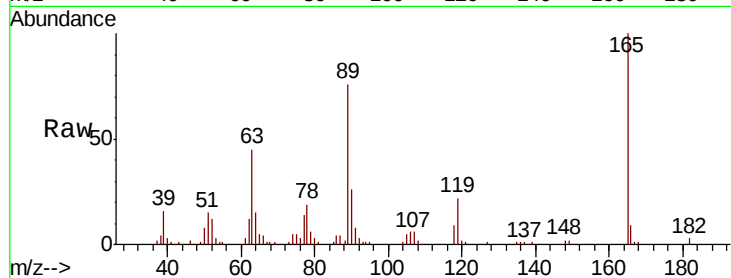




#57
2,4-Dinitrotoluene
Concen: 52.643 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

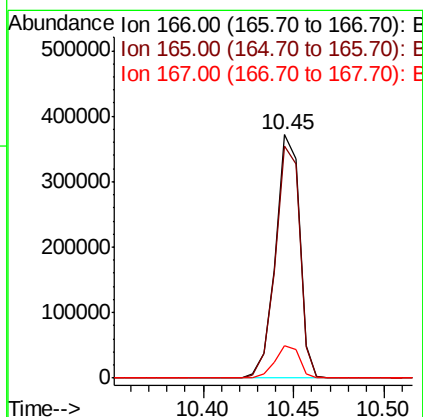
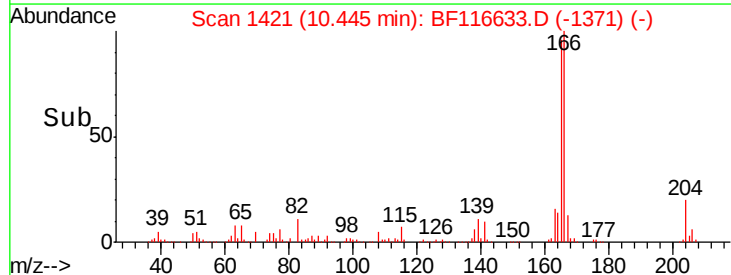
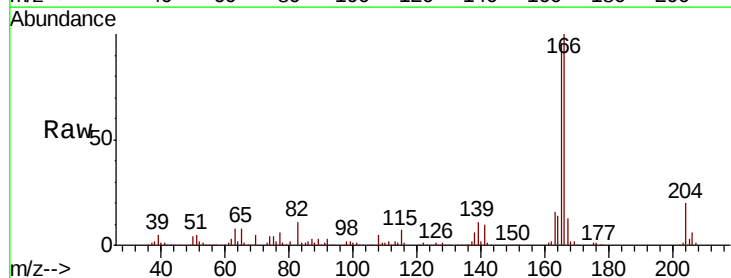
Instrument :
BNA_F
ClientSampleId :

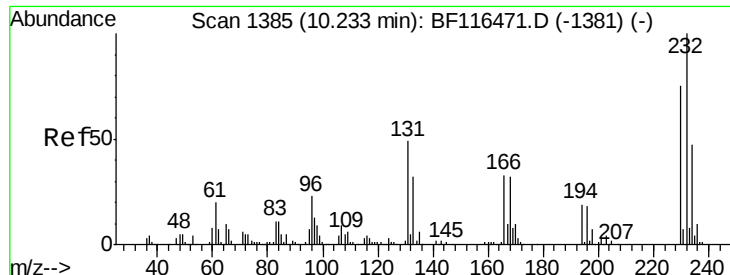
Tot Ion	Ratio	Lower	Upper
165	100		
63	45.2	30.9	46.3
89	76.2	55.0	82.6
182	2.6	2.2	3.2



#58
Fluorene
Concen: 53.130 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.8	116.6
167	13.2	10.6	16.0

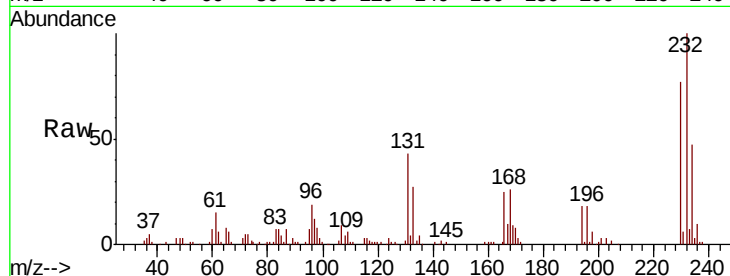




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.977 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.04 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.4	37.7	56.5
130	2.5	1.8	2.6
166	28.0	25.5	38.3



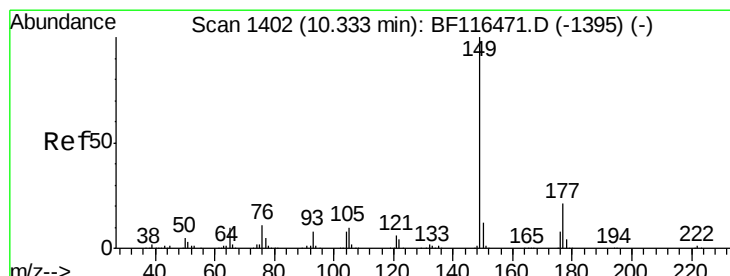
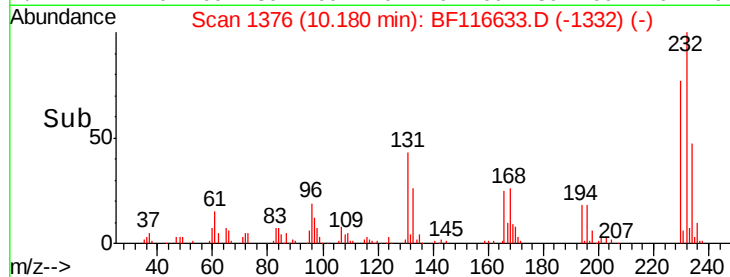
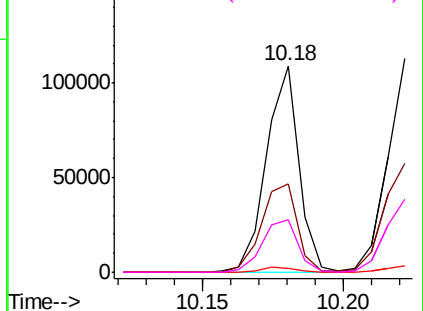
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

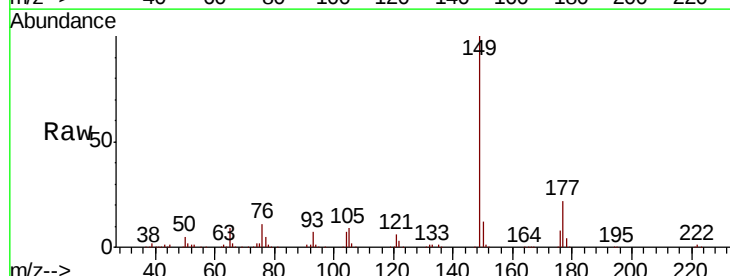
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 50.973 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.2	27.4
150	12.0	10.1	15.1

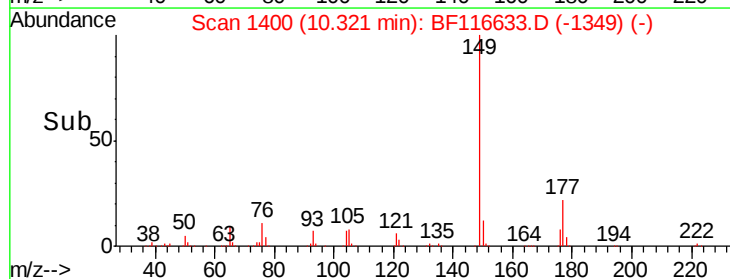
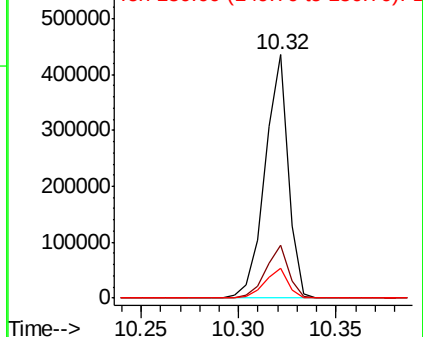


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

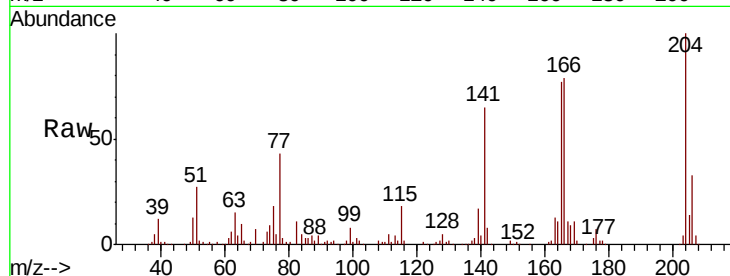




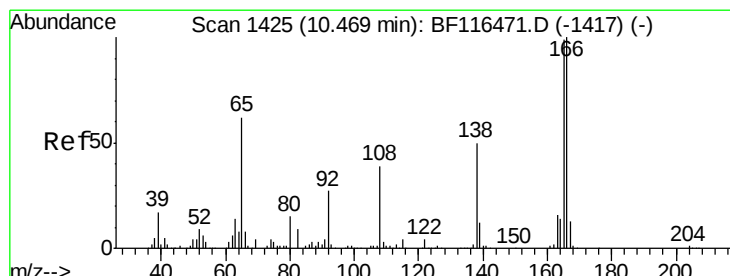
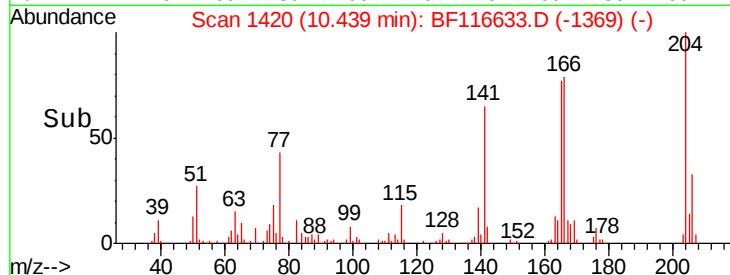
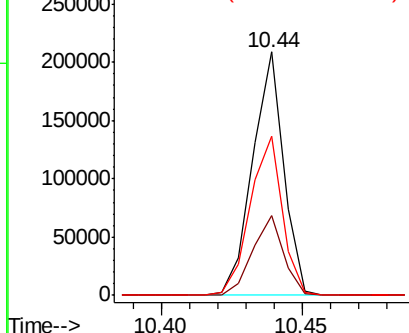
#61
 4-Chlorophenyl-phenylether
 Concen: 49.497 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:204 Resp: 159702
 Ion Ratio Lower Upper
 204 100
 206 32.8 26.0 39.0
 141 65.5 47.9 71.9

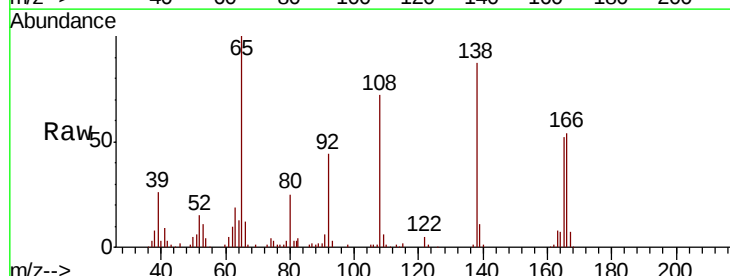


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

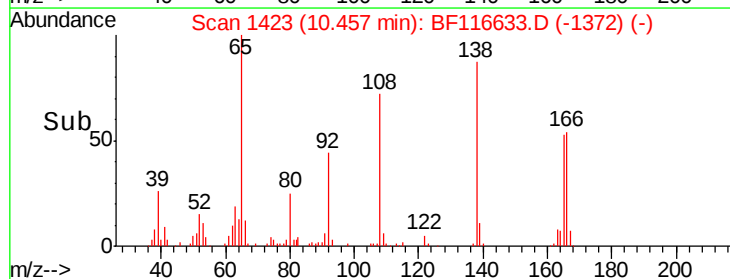
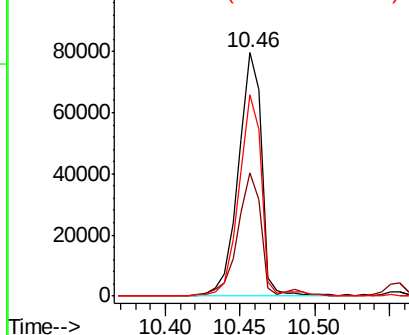


#62
 4-Nitroaniline
 Concen: 46.827 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:138 Resp: 86296
 Ion Ratio Lower Upper
 138 100
 92 50.8 28.9 68.9
 108 82.9 49.3 89.3



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

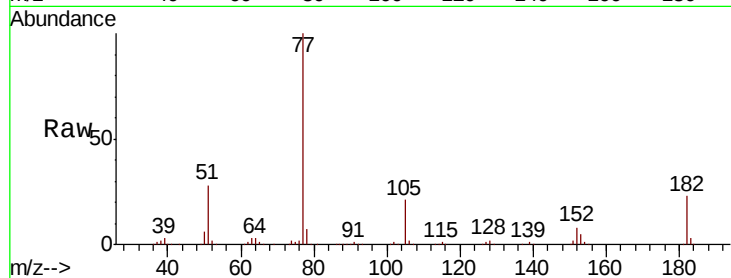




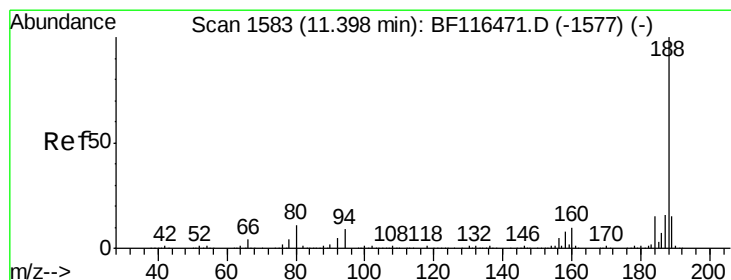
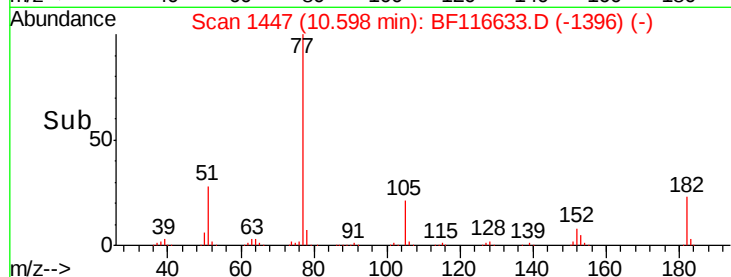
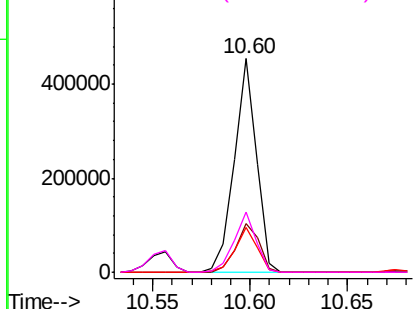
#63
Azobenzene
Concen: 50.528 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	77	Resp:	358166
Ion	Ratio	Lower	Upper
77	100		
182	23.1	3.8	43.8
105	20.9	1.6	41.6
51	28.1	6.1	46.1

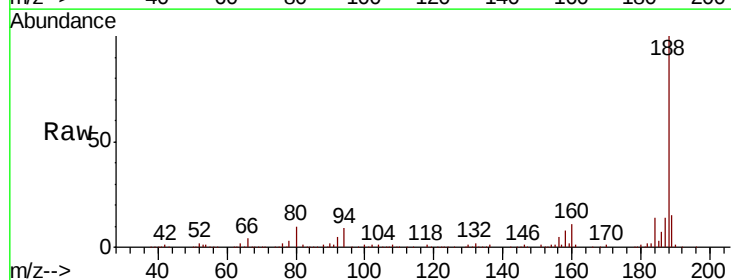


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

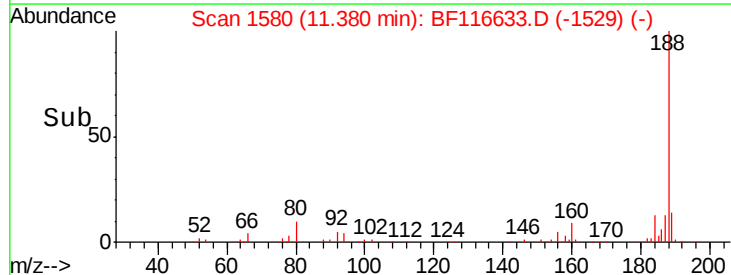
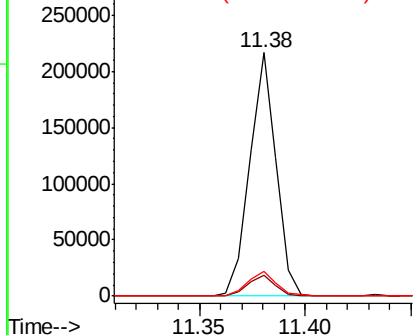


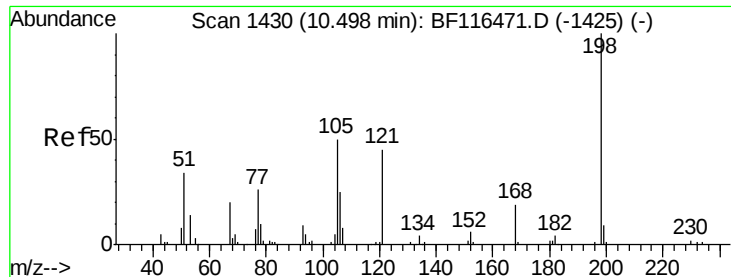
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:	188	Resp:	187872
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	10.3	8.9	13.3



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

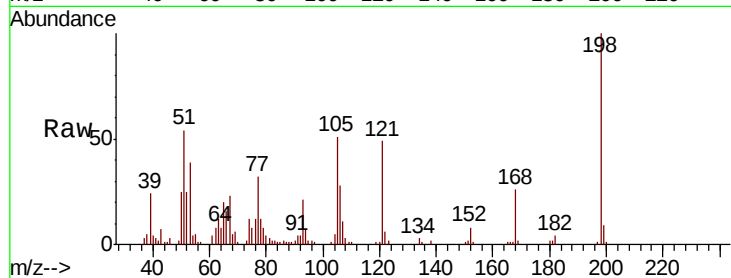




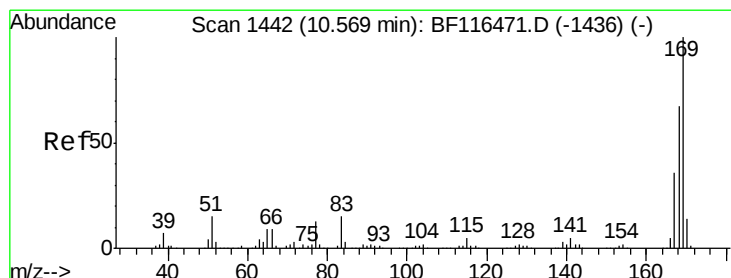
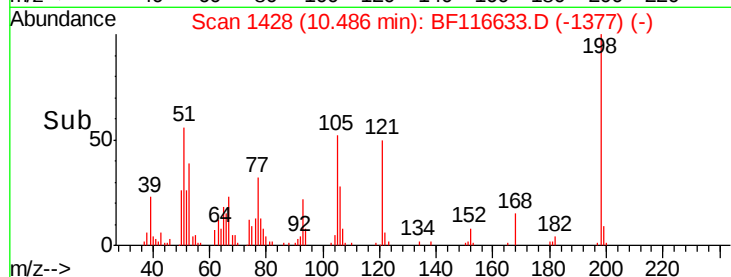
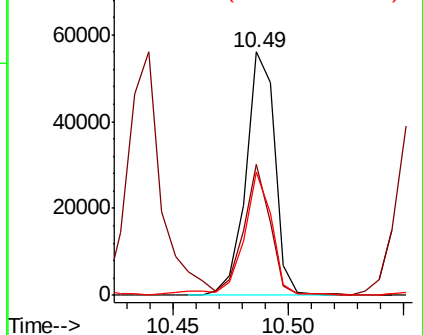
#65
 4,6-Dinitro-2-methylphenol
 Concen: 49.122 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 49232
 Ion Ratio Lower Upper
 198 100
 51 54.0 21.9 61.9
 105 50.9 25.2 65.2

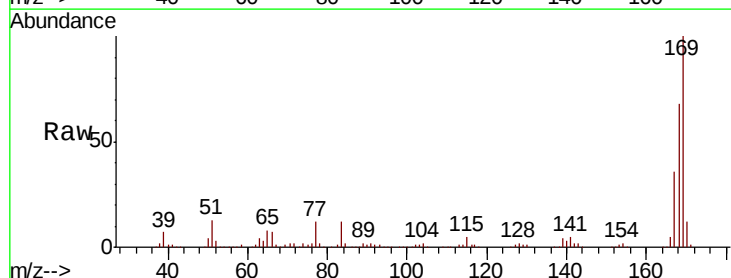


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

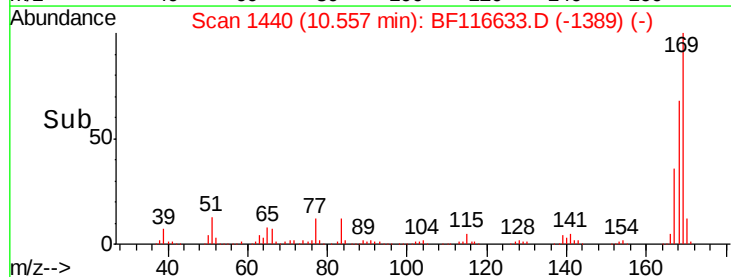
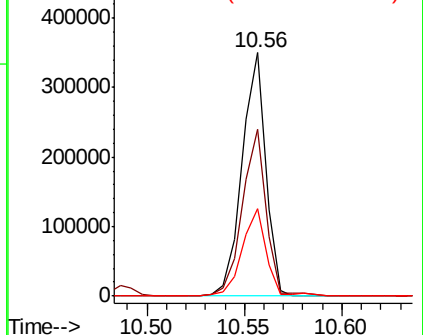


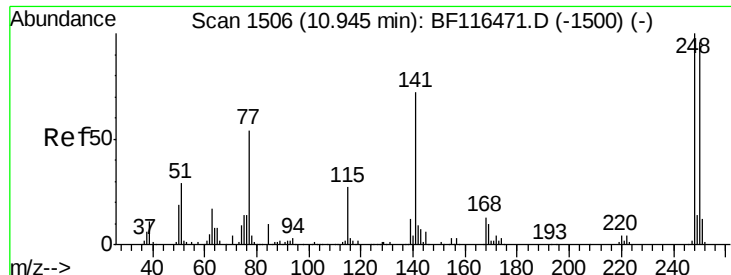
#66
 n-Nitrosodiphenylamine
 Concen: 49.731 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:169 Resp: 295753
 Ion Ratio Lower Upper
 169 100
 168 68.3 53.8 80.8
 167 35.9 29.3 43.9



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

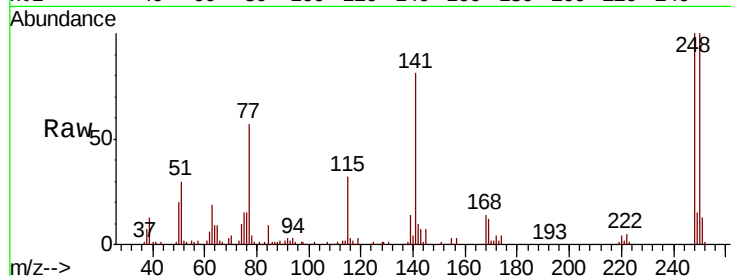




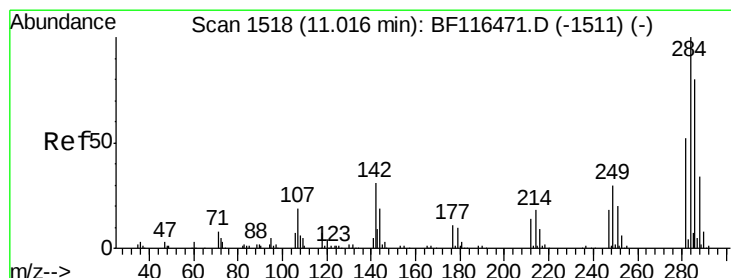
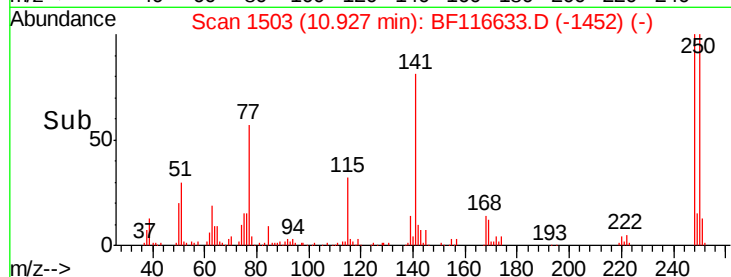
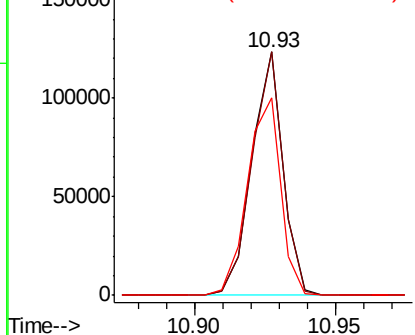
#67
4-Bromophenyl-phenylether
Concen: 47.429 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 94516
Ion Ratio Lower Upper
248 100
250 99.9 76.6 115.0
141 81.2 60.8 91.2

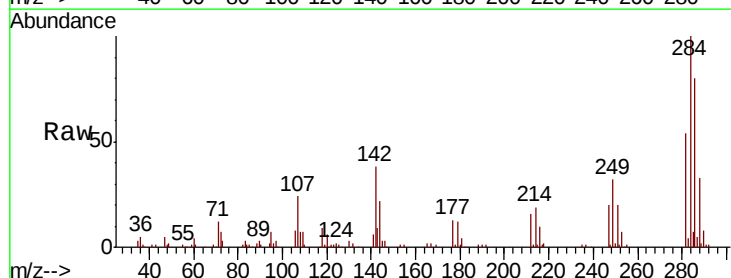


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

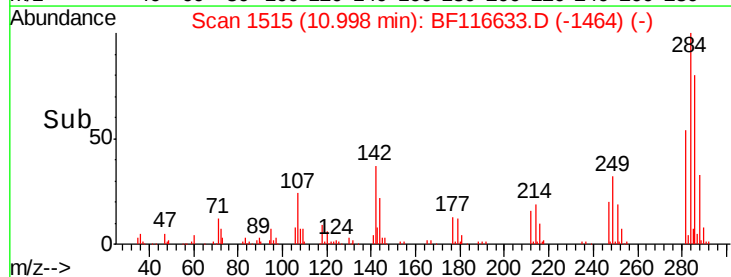
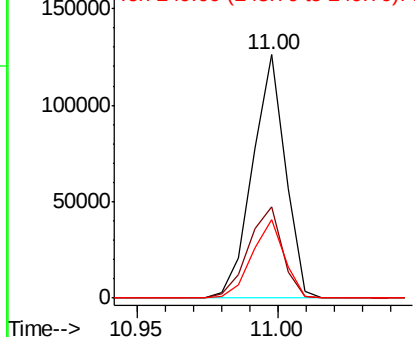


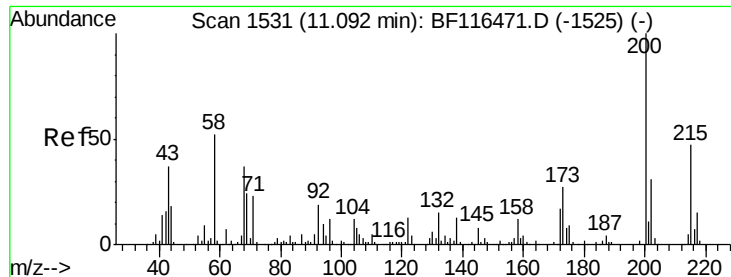
#68
Hexachlorobenzene
Concen: 45.720 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:284 Resp: 101435
Ion Ratio Lower Upper
284 100
142 37.7 27.8 41.8
249 32.1 24.2 36.4



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

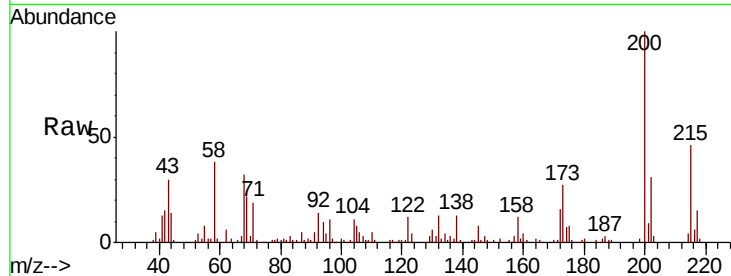




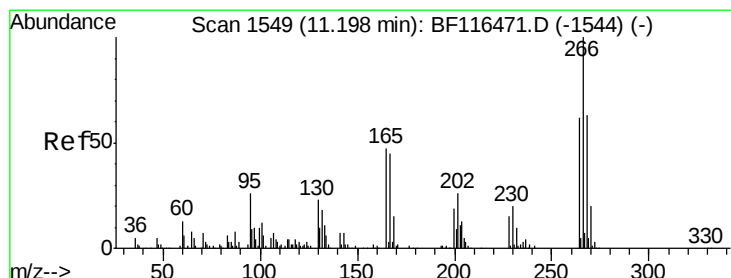
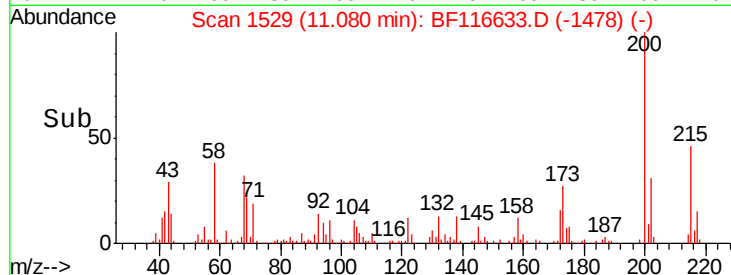
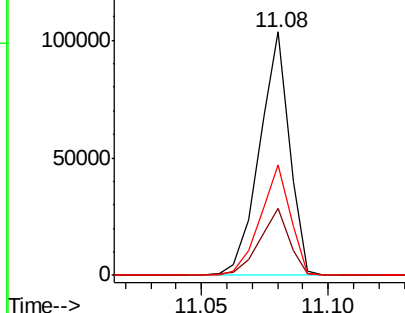
#69
 Atrazine
 Concen: 48.361 ng
 RT: 11.08 min Scan# 1529
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.4	6.8	46.8
215	45.6	28.5	68.5

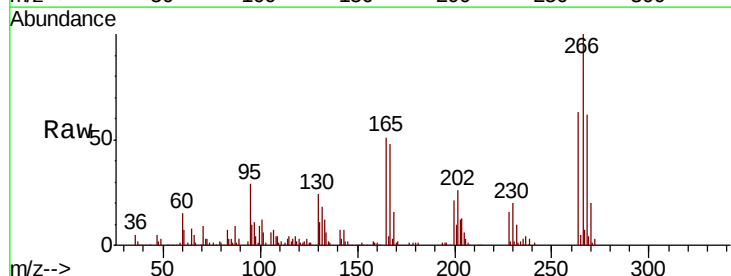


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

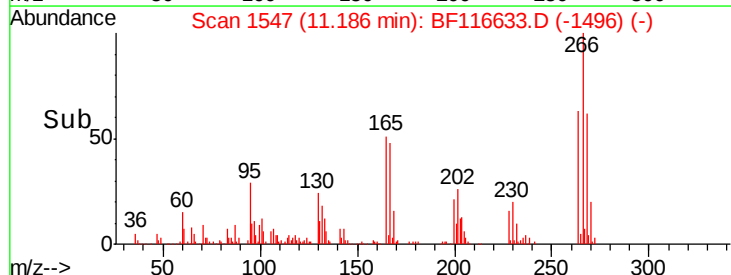
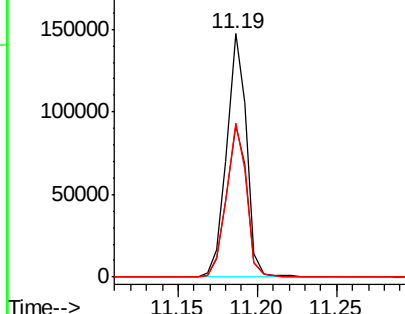


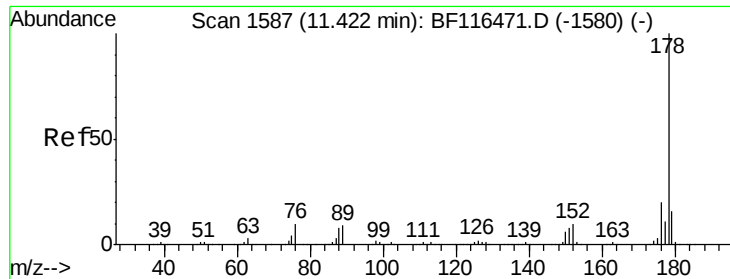
#70
 Pentachlorophenol
 Concen: 93.930 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.5	49.8	74.8
264	63.1	49.9	74.9



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

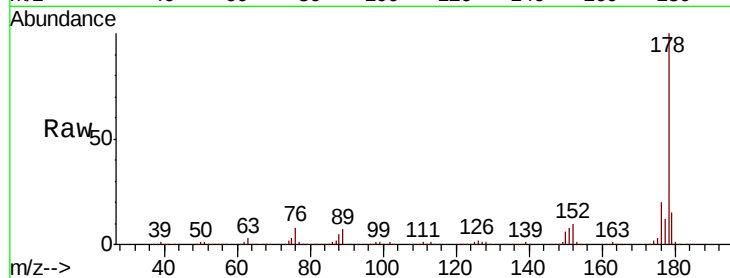




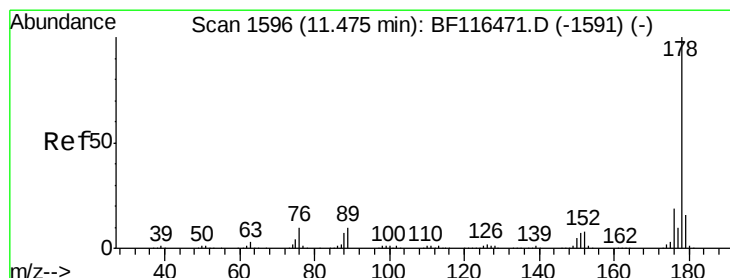
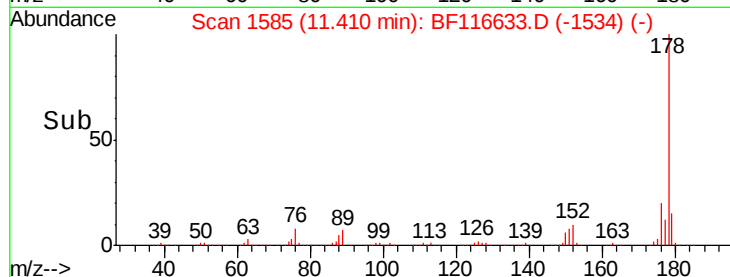
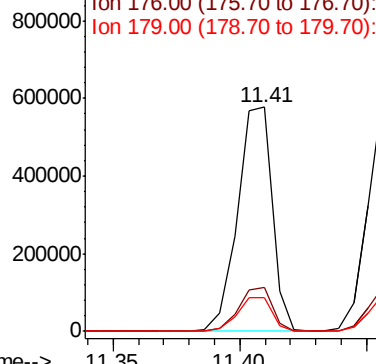
#71
Phenanthrene
Concen: 54.282 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 547757
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.3 12.4 18.6

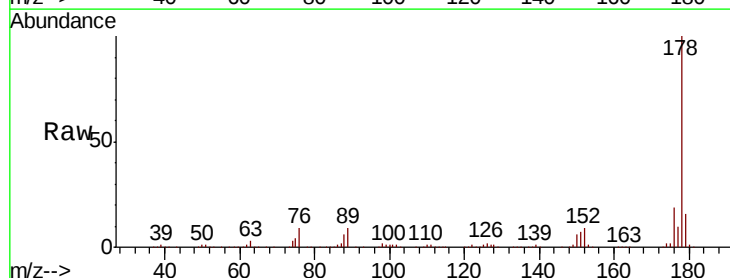


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

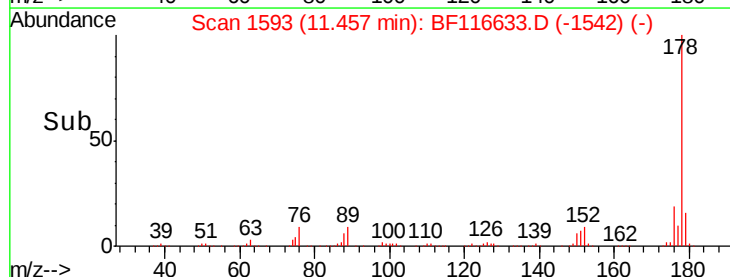
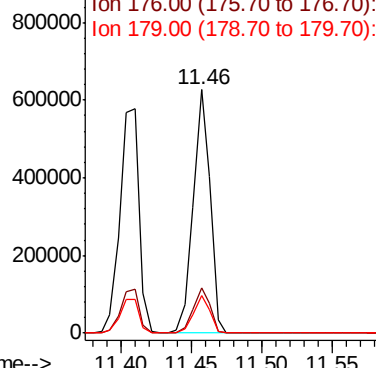


#72
Anthracene
Concen: 51.755 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:178 Resp: 522205
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.6 12.7 19.1



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





#73

Carbazole

Concen: 51.020 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

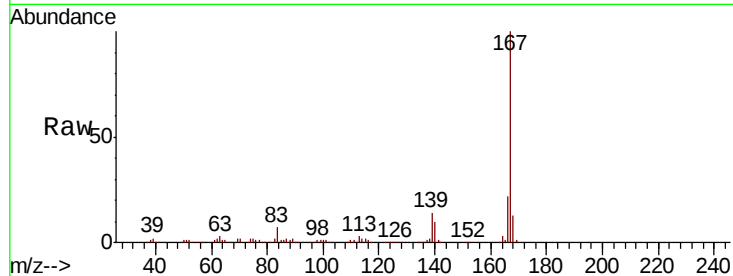
Tot Ion:167 Resp: 438134

Ion Ratio Lower Upper

167 100

166 22.3 17.9 26.9

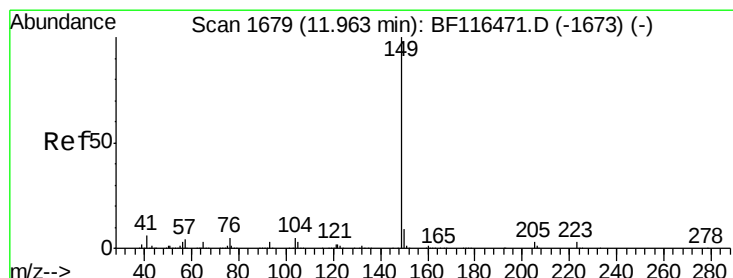
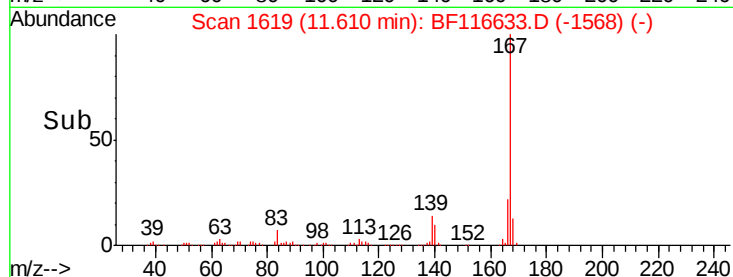
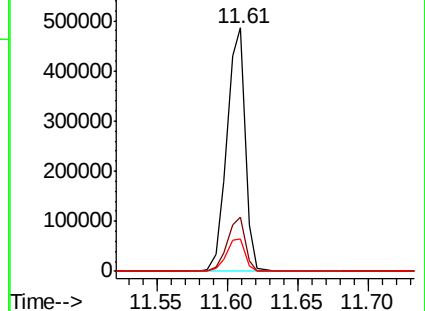
139 13.5 10.3 15.5



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: 56.412 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

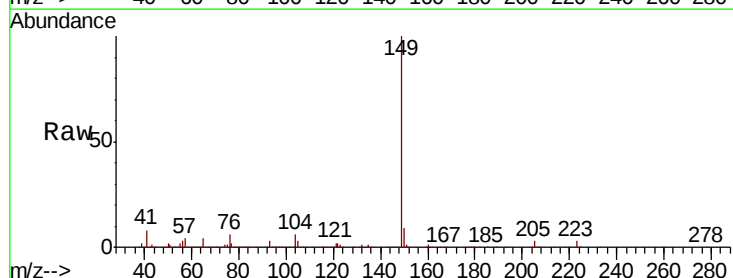
Tgt Ion:149 Resp: 561392

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

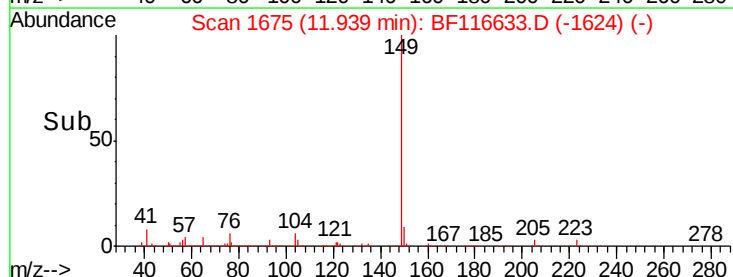
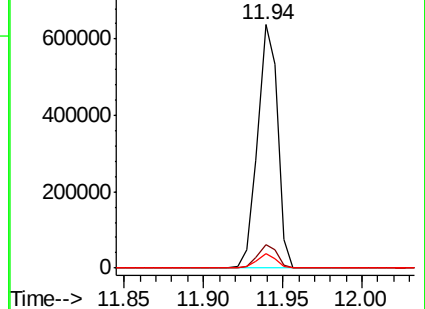
104 5.8 4.2 6.4

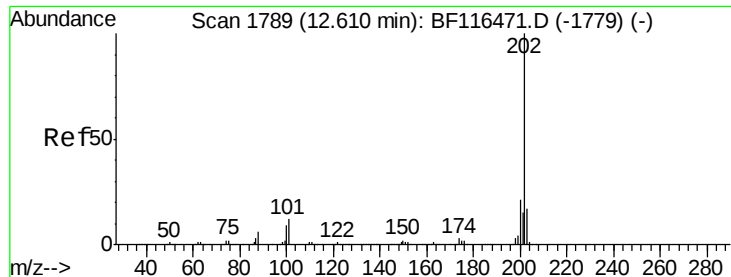


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 60.006 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

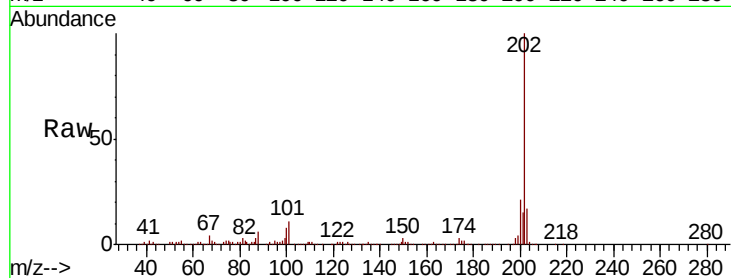
Tot Ion:202 Resp: 543065

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.8

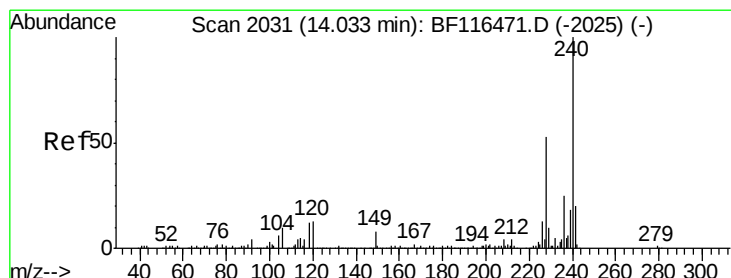
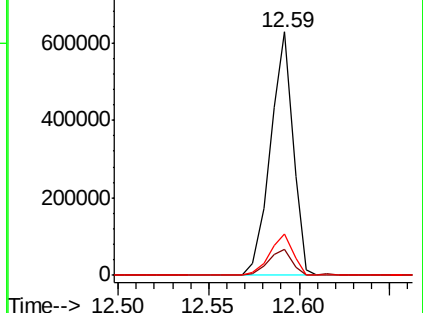
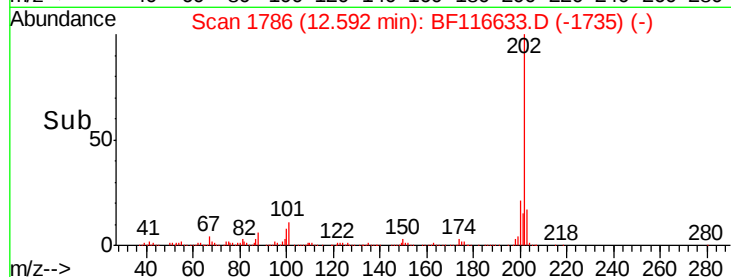
203 17.1 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

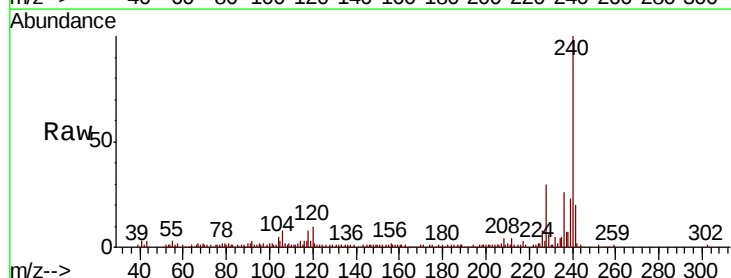
Tgt Ion:240 Resp: 106832

Ion Ratio Lower Upper

240 100

120 10.0 11.3 16.9#

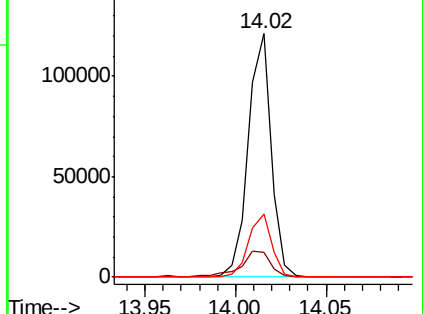
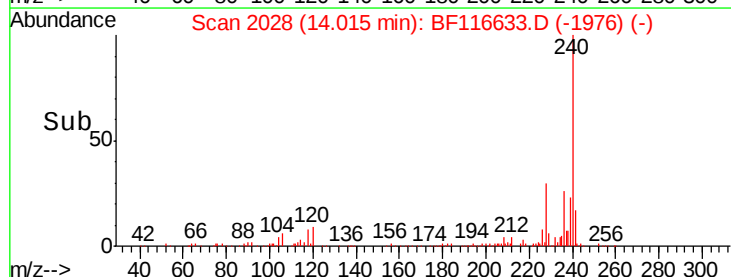
236 26.1 21.4 32.2

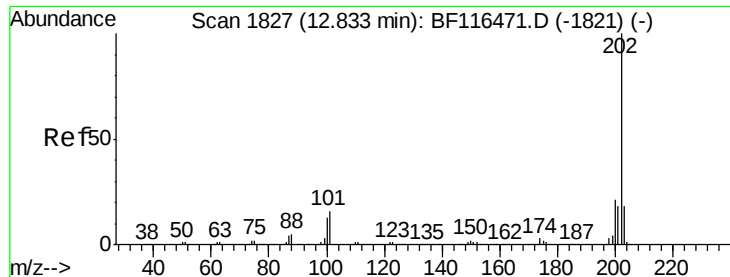


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 53.494 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

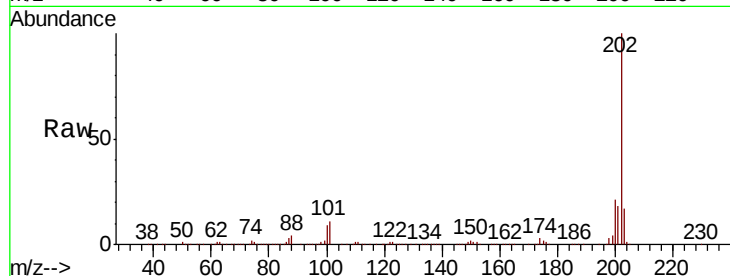
Tot Ion:202 Resp: 525504

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.0

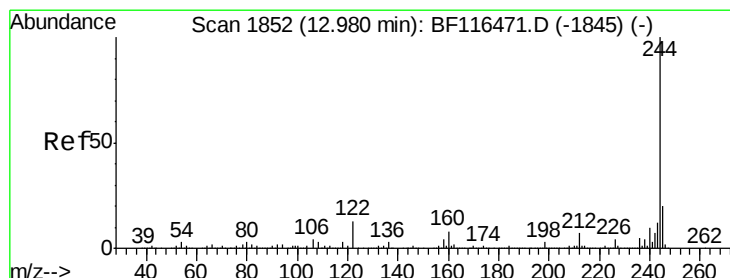
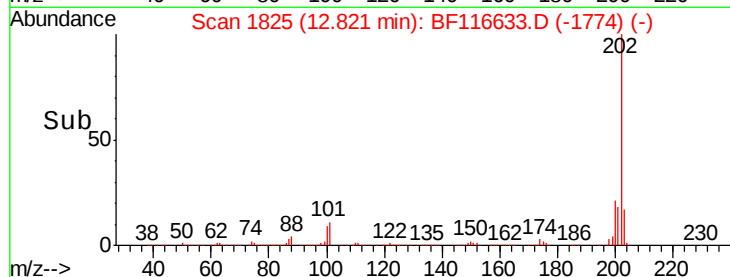
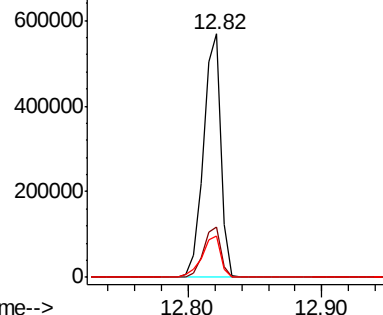
203 17.1 14.2 21.4



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: 102.295 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

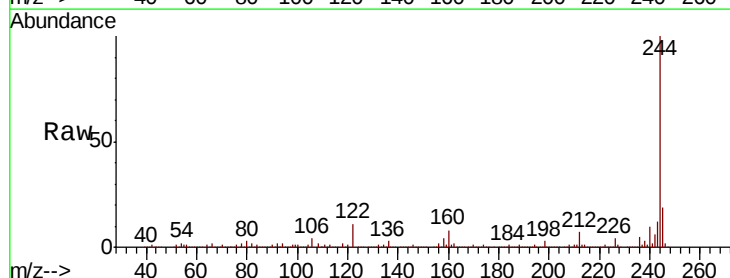
Tgt Ion:244 Resp: 671960

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

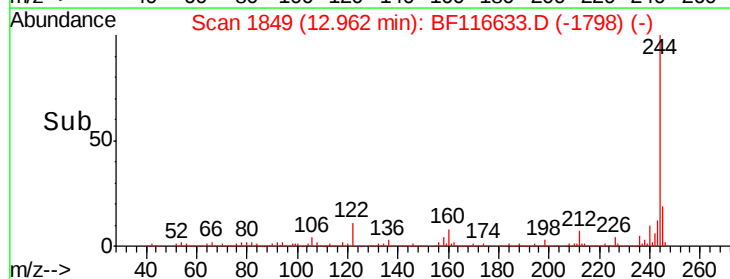
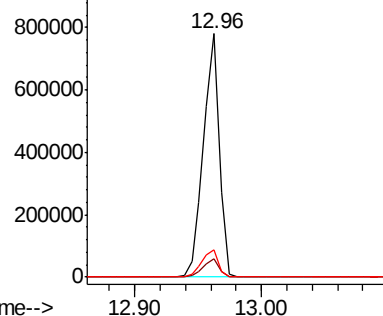
122 11.2 10.0 15.0

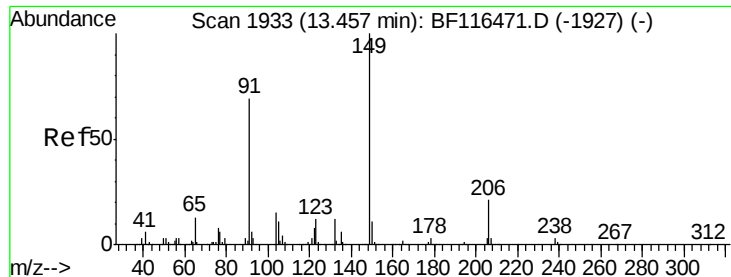


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

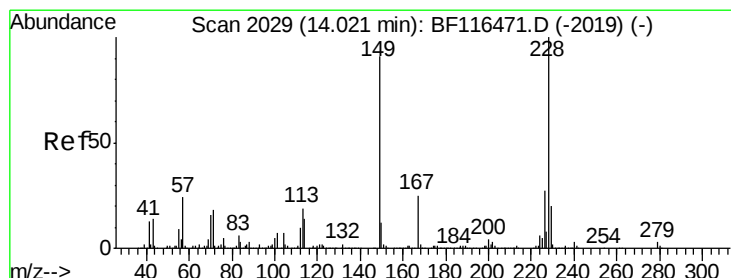
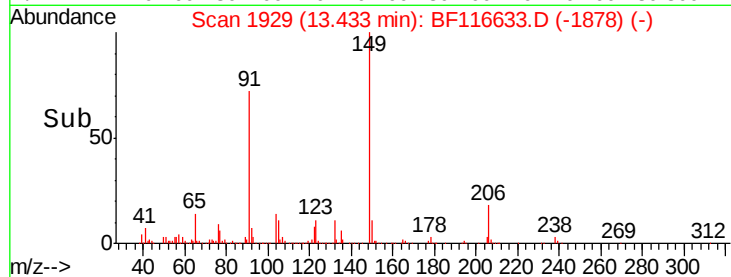
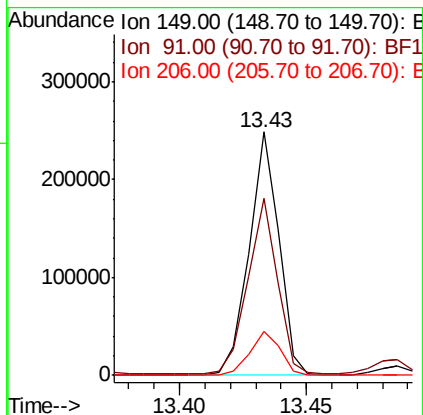
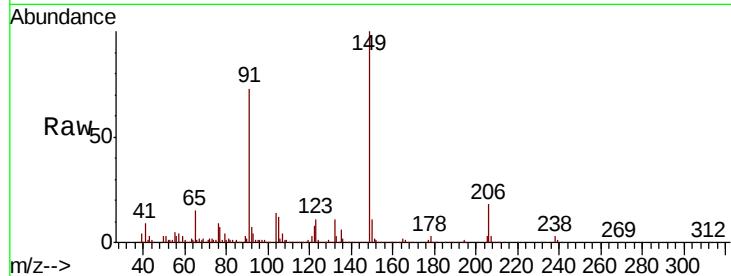




#80
Butylbenzylphthalate
Concen: 53.293 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

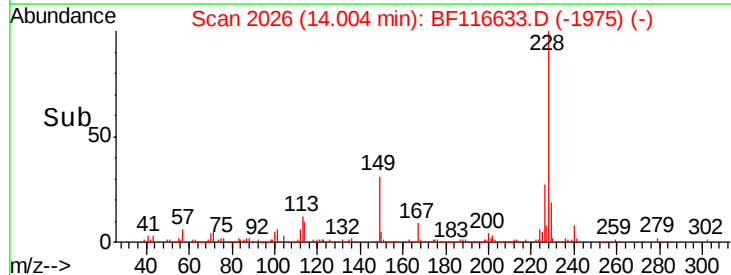
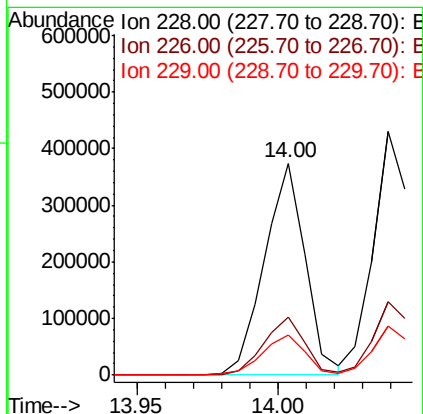
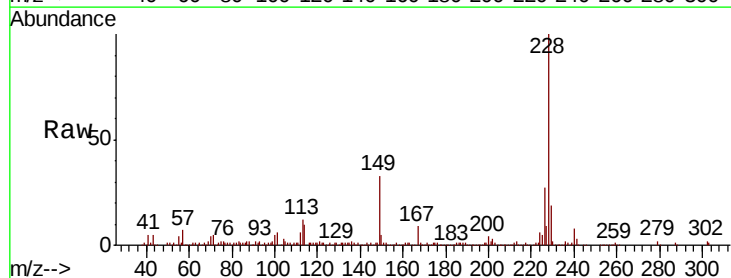
Instrument :
BNA_F
ClientSampleId :

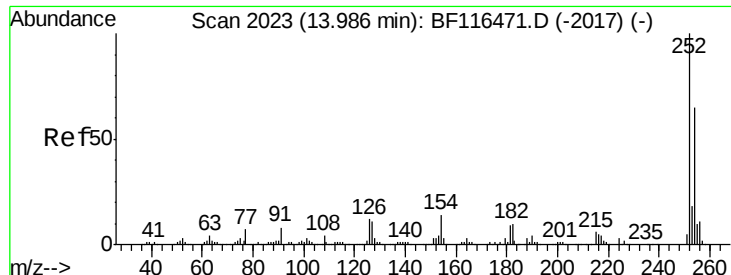
Tot Ion	Ratio	Lower	Upper
149	100		
91	72.8	57.9	86.9
206	17.9	16.2	24.4



#81
Benzo(a)anthracene
Concen: 52.514 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	19.1	15.4	23.0

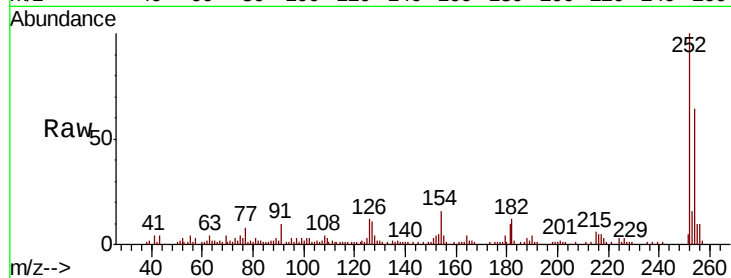




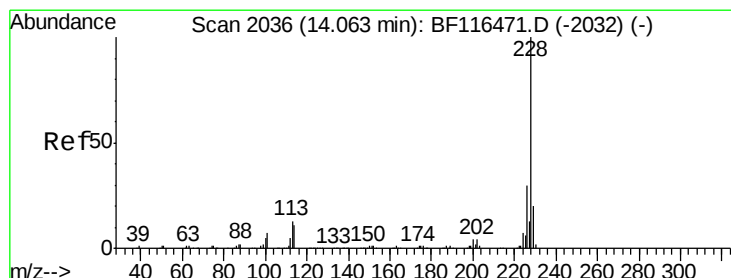
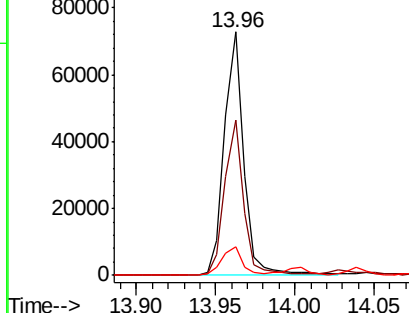
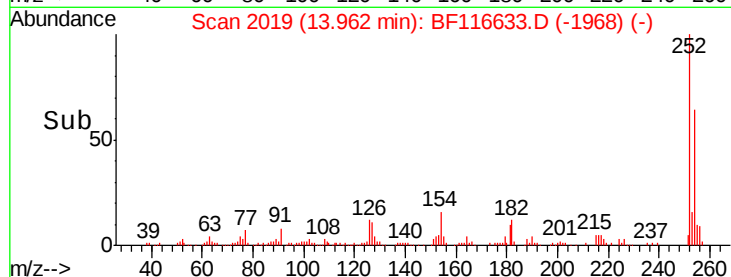
#82
 3,3'-Dichlorobenzidine
 Concen: 27.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 62579
 Ion Ratio Lower Upper
 252 100
 254 63.7 51.9 77.9
 126 11.9 8.7 13.1

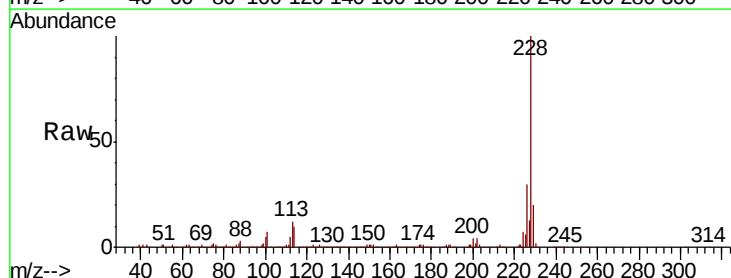


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

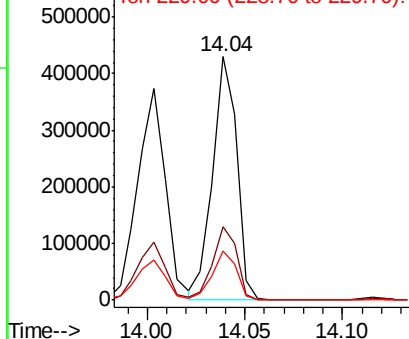
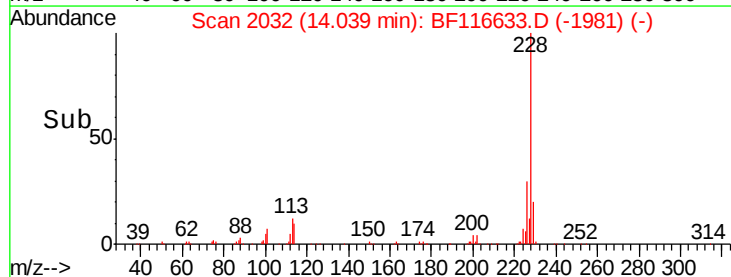


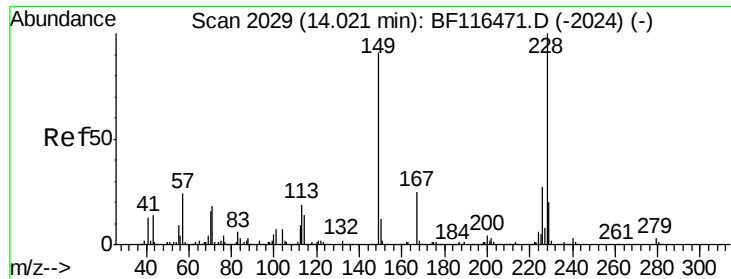
#83
 Chrysene
 Concen: 52.875 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion:228 Resp: 368683
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.0 36.0
 229 20.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 60.487 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

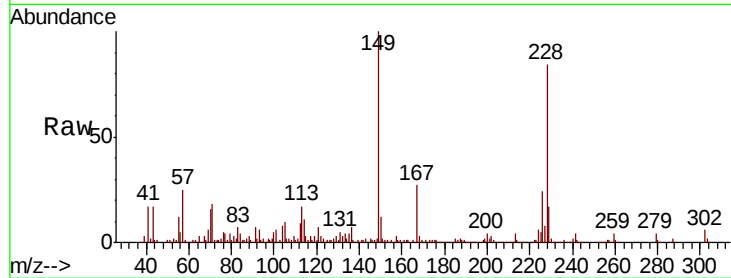
Tot Ion:149 Resp: 269979

Ion Ratio Lower Upper

149 100

167 27.0 21.2 31.8

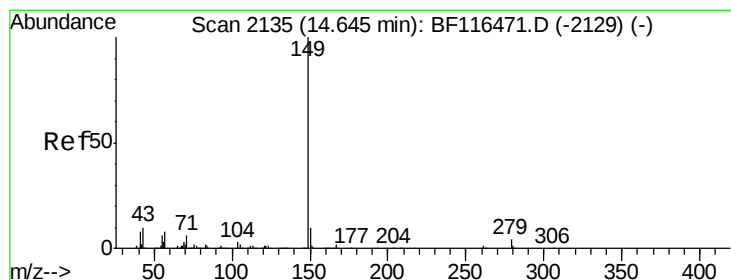
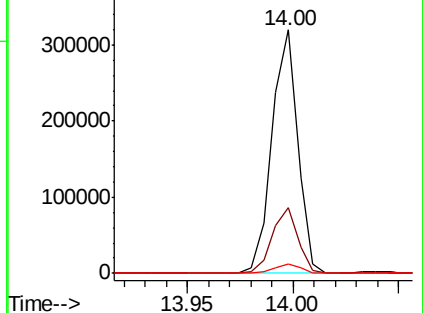
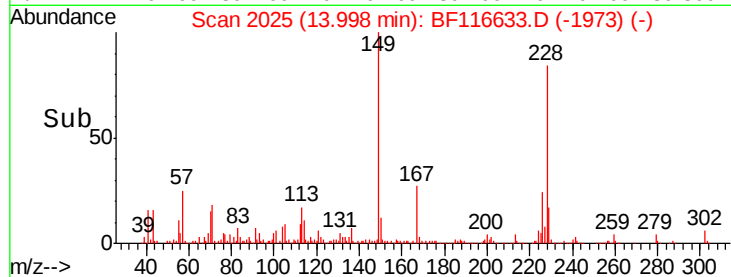
279 3.9 2.7 4.1



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: 63.234 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

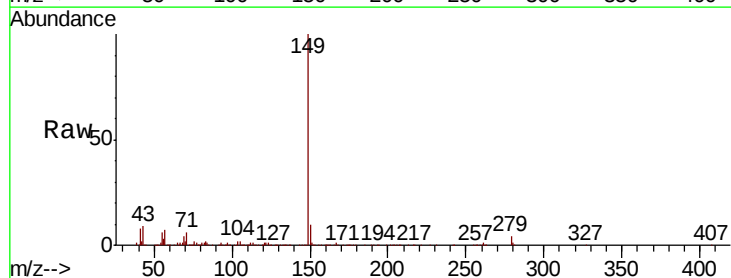
Tgt Ion:149 Resp: 411663

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

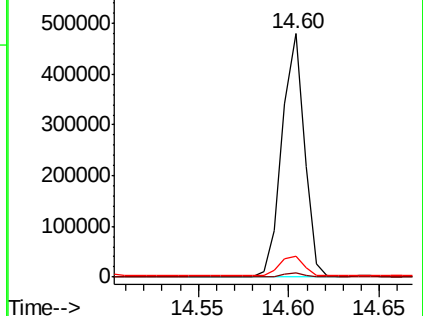
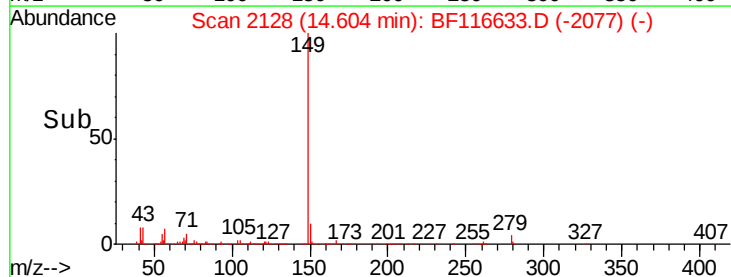
43 9.1 7.4 11.0

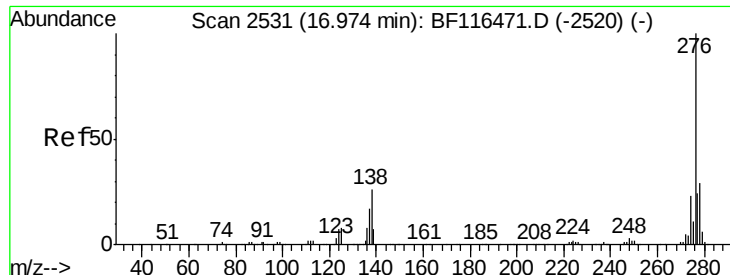


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

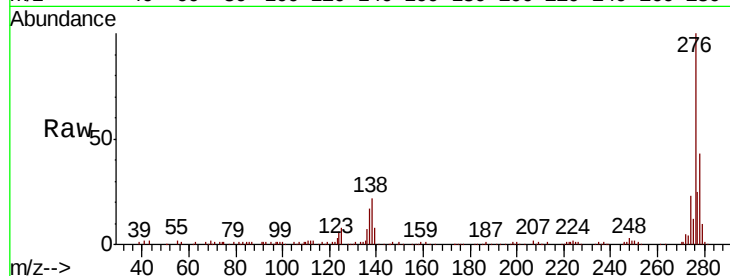




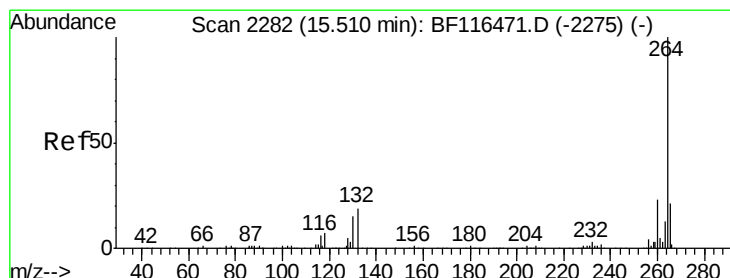
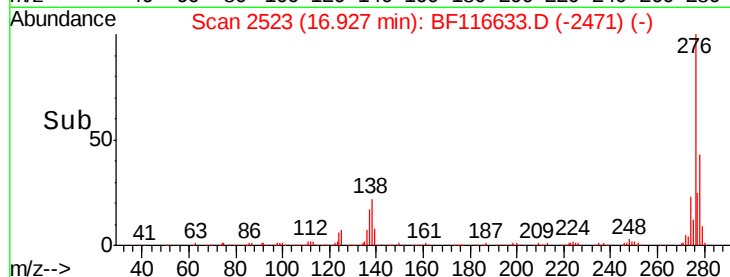
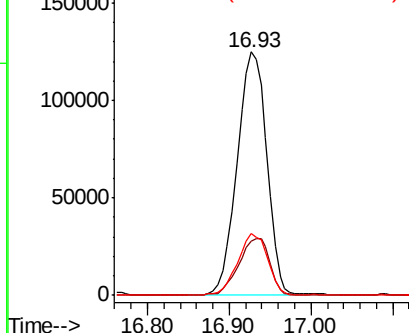
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 50.934 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.01 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	21.5	32.3
277	25.7	20.0	30.0

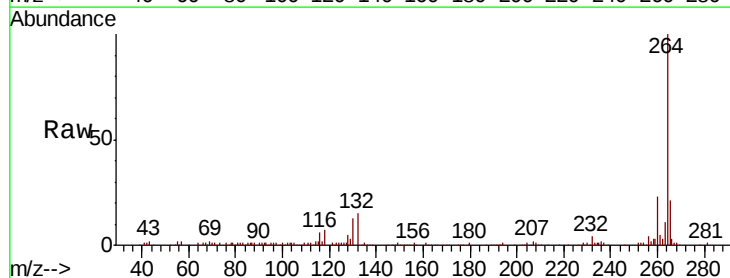


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

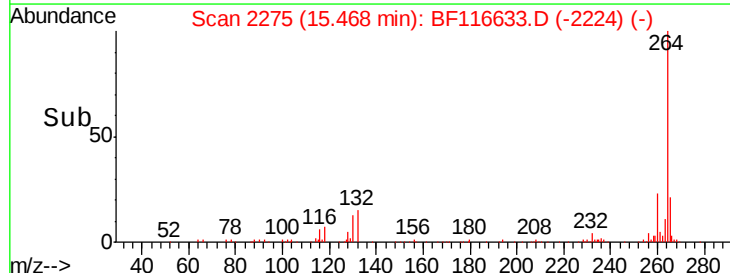
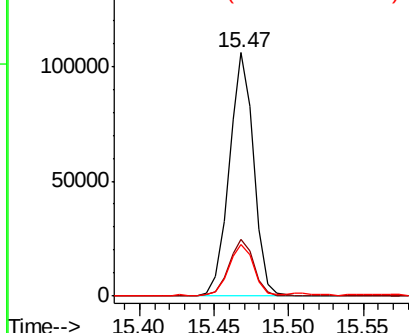


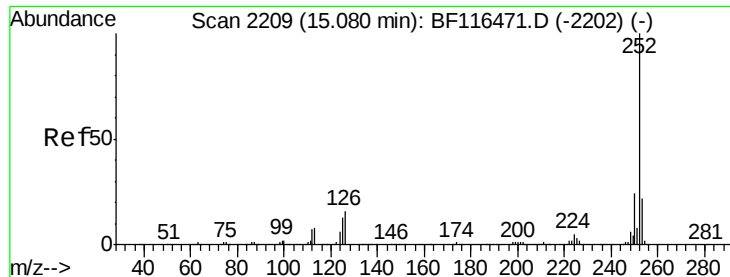
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BF116633.D
 Acq: 28 Aug 2019 23:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	20.0	30.0
265	21.5	17.6	26.4



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

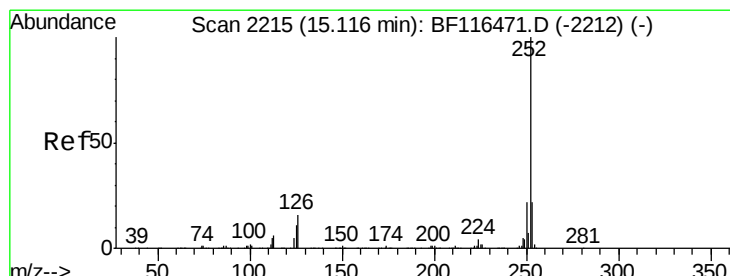
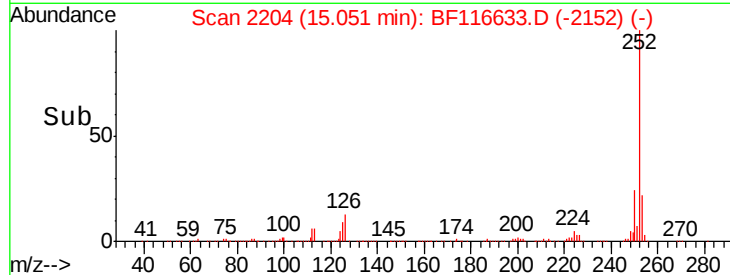
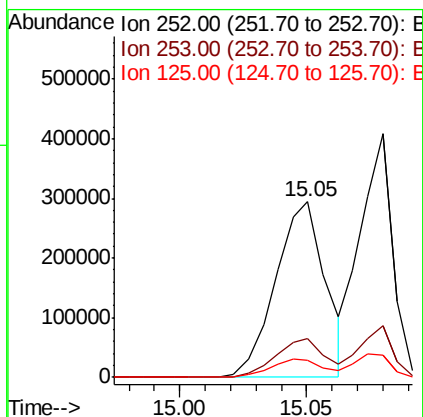
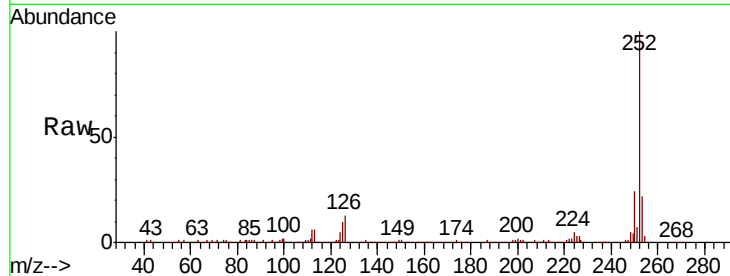




#88
Benzo(b)fluoranthene
Concen: 54.055 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

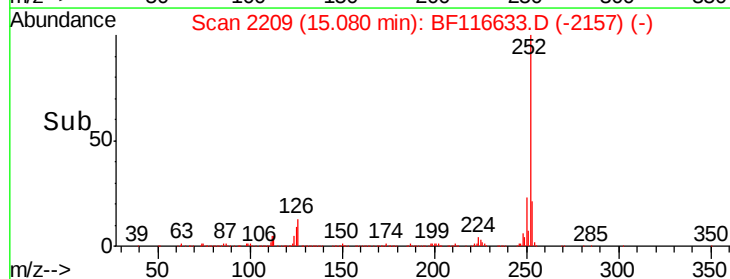
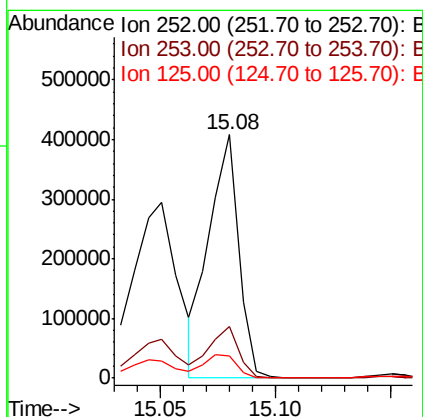
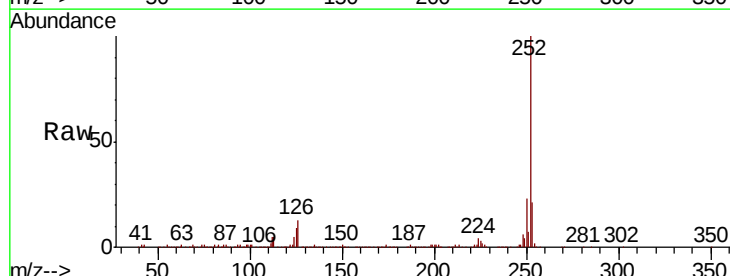
Instrument :
BNA_F
ClientSampled :

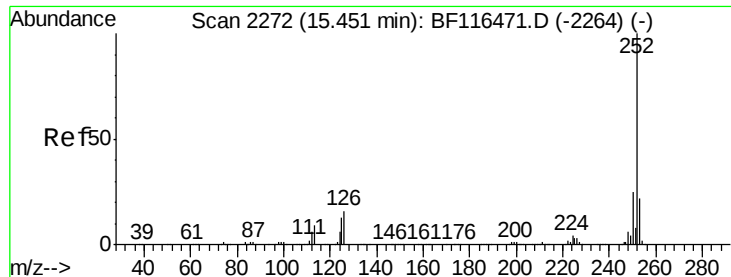
Tot Ion:252 Resp: 403481
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 9.6 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 51.344 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:252 Resp: 364293
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 9.3 8.6 13.0

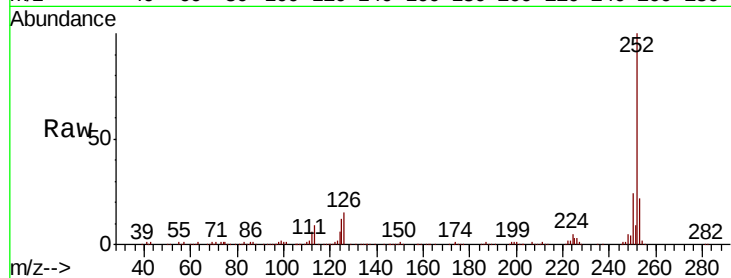




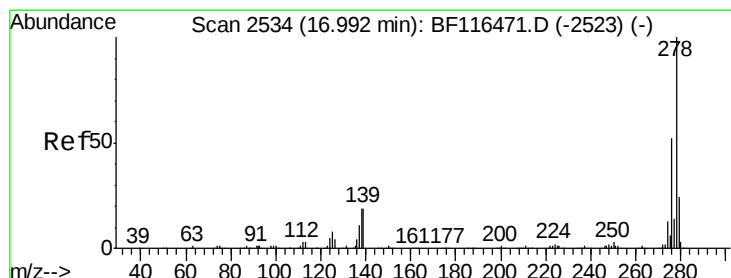
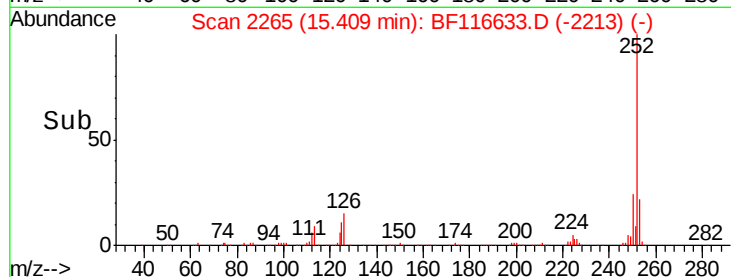
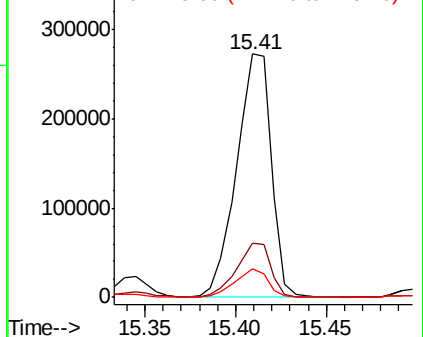
#90
Benzo(a)pyrene
Concen: 54.714 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 364493
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 11.6 10.6 16.0

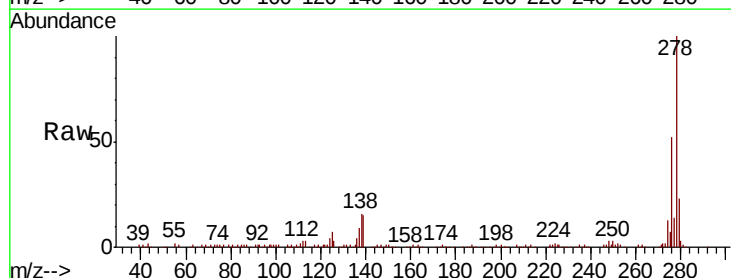


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

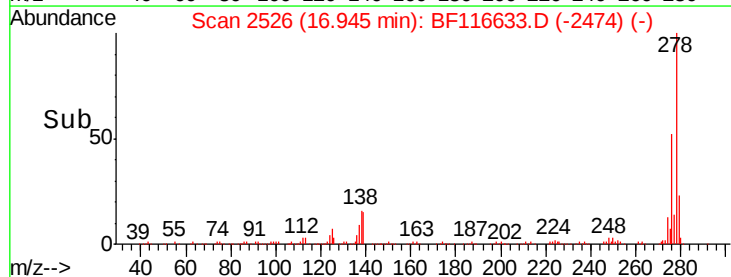
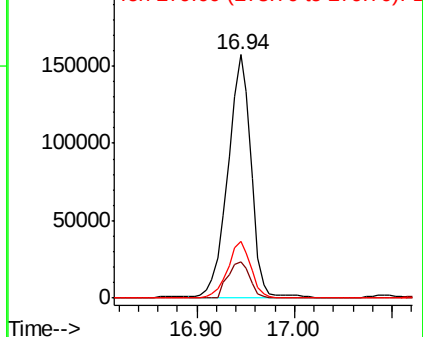


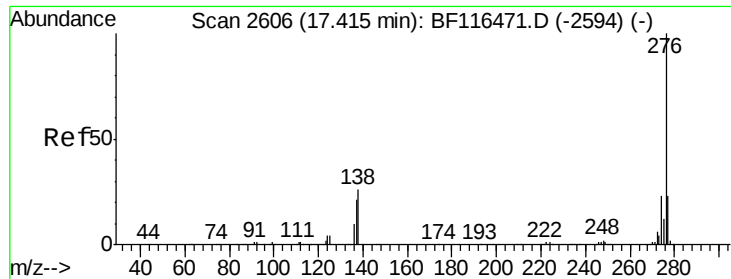
#91
Dibenzo(a,h)anthracene
Concen: 41.938 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF116633.D
Acq: 28 Aug 2019 23:40

Tgt Ion:278 Resp: 260686
Ion Ratio Lower Upper
278 100
139 15.1 14.1 21.1
279 23.3 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 49.921 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BF116633.D

Acq: 28 Aug 2019 23:40

Instrument :

BNA_F

ClientSampleId :

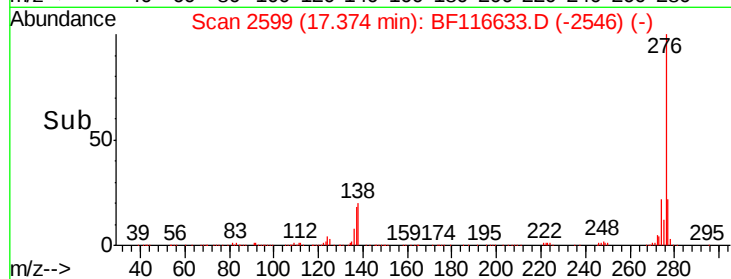
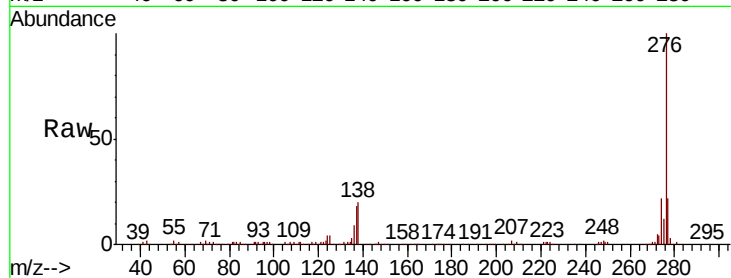
Tot Ion: 276 Resp: 322665

Ion Ratio Lower Upper

276 100

277 22.1 19.0 28.4

138 20.2 18.2 27.2



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

