

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113414.D
 Acq On : 29 Mar 2019 15:32
 Operator : JU/SJ
 Sample : K2050-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-3

Quant Time: Mar 30 00:54:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	158561	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	595868	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	291346	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	601643	20.00	ng	0.00
76) Chrysene-d12	13.84	240	493742	20.00	ng	0.00
87) Perylene-d12	15.24	264	497378	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1086949	112.09	ng	0.00
7) Phenol-d6	6.35	99	1444214	117.73	ng	0.00
23) Nitrobenzene-d5	7.27	82	878853	87.54	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	387603	107.70	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1306921	66.46	ng	0.00
79) Terphenyl-d14	12.79	244	1274264	56.89	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.36	94	94177	6.725	ng	# 69
19) n-Nitroso-di-n-propylamine	7.27	70	113876	14.778	ng	# 74
20) 3+4-Methylphenols	7.16	107	1211	Below Cal		# 70
25) Isophorone	7.27	82	872761	44.859	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	110726	13.901	ng	# 6
32) Benzoic acid	7.77	122	111319	17.361	ng	99
50) Dimethylphthalate	9.45	163	166226	7.699	ng	99
57) 2,4-Dinitrotoluene	9.73	165	37304	6.022	ng	# 24
67) 4-Bromophenyl-phenylether	10.52	248	20993	3.201	ng	# 1
71) Phenanthrene	11.23	178	73390	2.456	ng	96
75) Fluoranthene	12.42	202	488996	14.478	ng	99
78) Pyrene	12.64	202	451290	13.190	ng	99
81) Benzo(a)anthracene	13.83	228	191797	6.786	ng	98
83) Chrysene	13.86	228	305808	10.653	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	184926	7.506	ng	96
88) Benzo(b)fluoranthene	14.85	252	683793	22.131	ng	99
89) Benzo(k)fluoranthene	14.85	252	683793	25.201	ng	98
90) Benzo(a)pyrene	15.19	252	203670	7.436	ng	100
91) Dibenzo(a,h)anthracene	16.60	278	55480	2.342	ng	# 81
92) Benzo(g,h,i)perylene	17.00	276	169171	7.084	ng	97

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

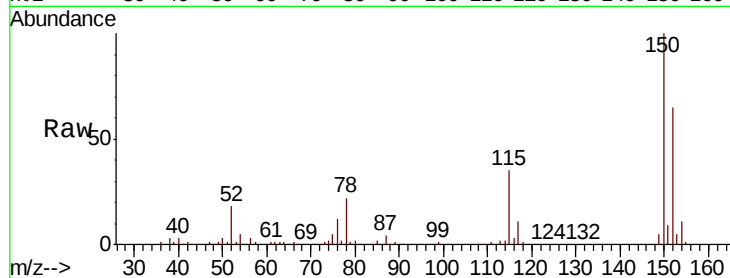


#1

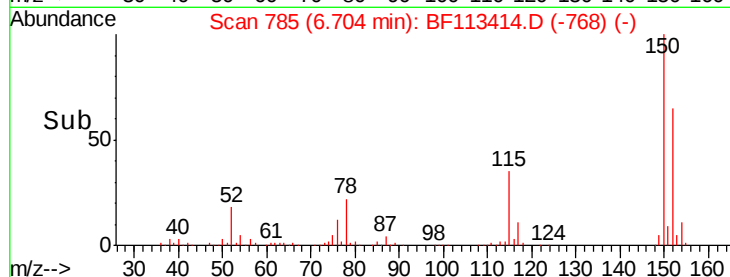
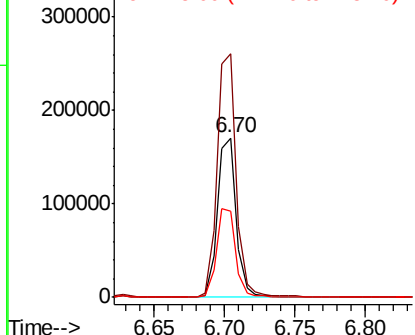
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion:152 Resp: 158561
Ion Ratio Lower Upper
152 100
150 153.0 124.7 187.1
115 54.2 46.0 69.0



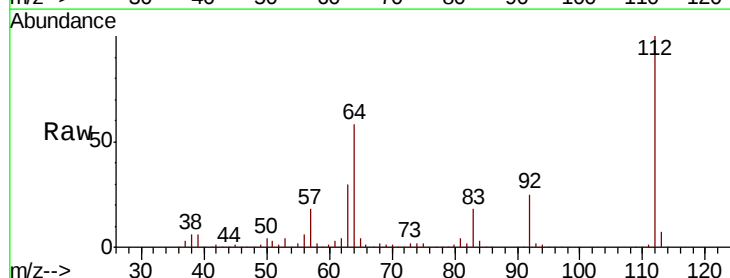
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



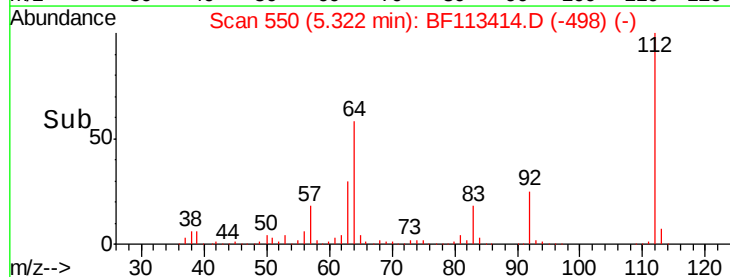
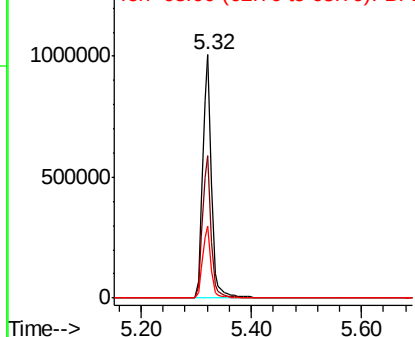
#5

2-Fluorophenol
Concen: 112.089 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion:112 Resp: 1086949
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 29.9 24.9 37.3



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





#7

Phenol-d6

Concen: 117.727 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

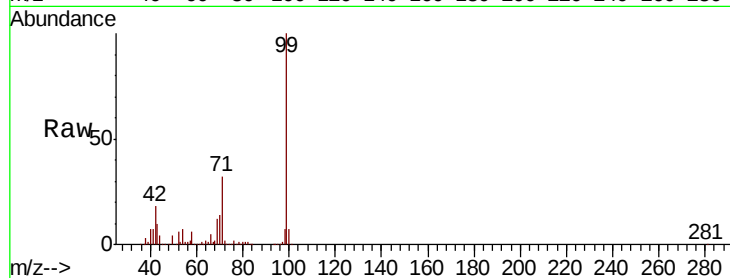
Tgt Ion: 99 Resp: 1444214

Ion Ratio Lower Upper

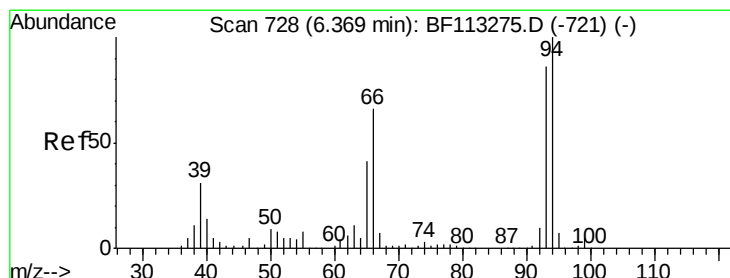
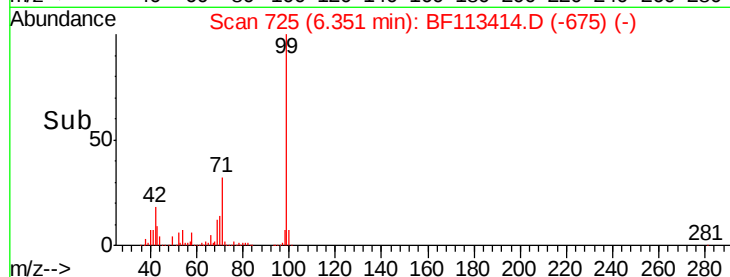
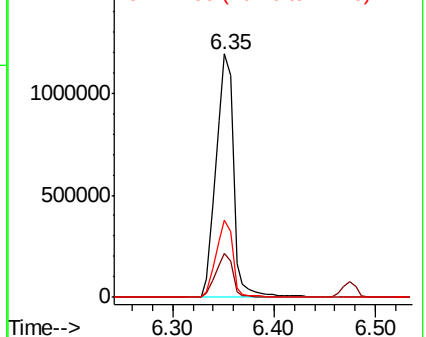
99 100

42 18.1 14.8 22.2

71 32.0 24.9 37.3



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



#10

Phenol

Concen: 6.725 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

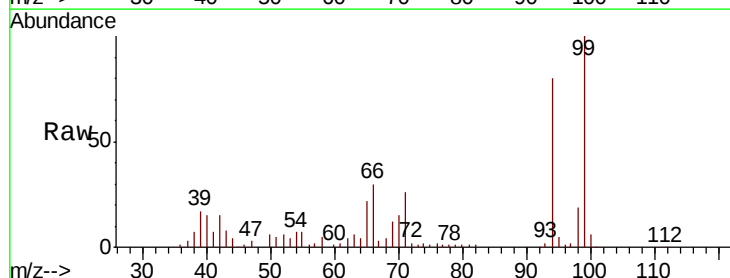
Tgt Ion: 94 Resp: 94177

Ion Ratio Lower Upper

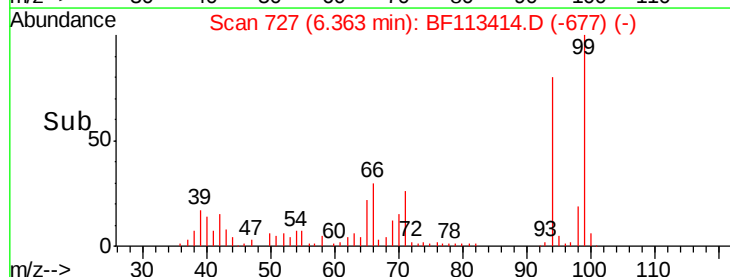
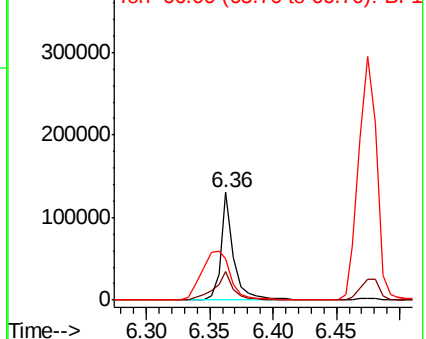
94 100

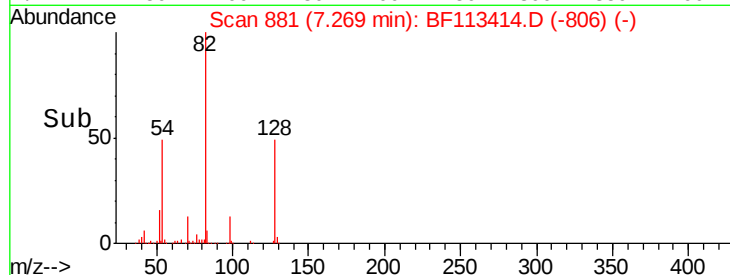
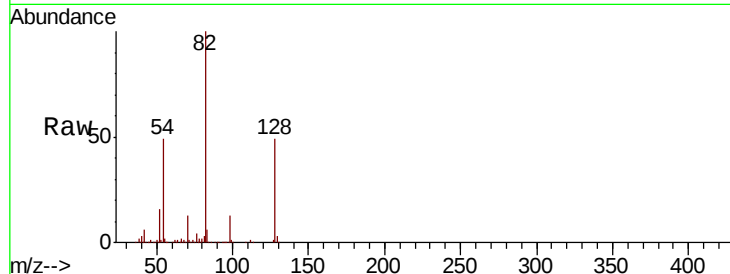
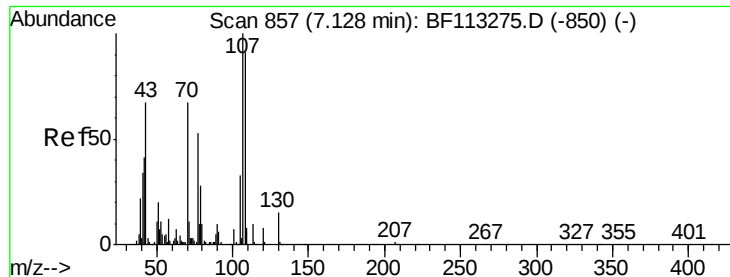
65 27.0 21.4 61.4

66 37.9 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

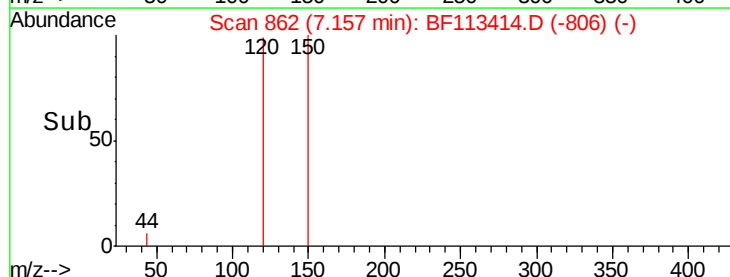
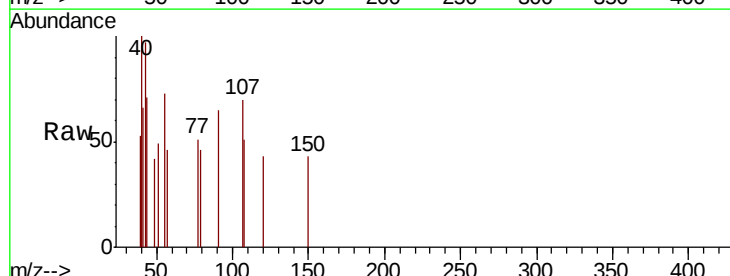
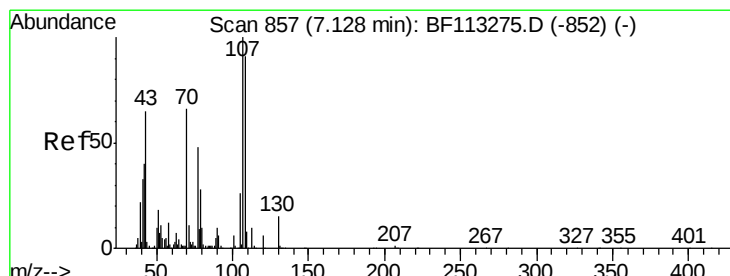
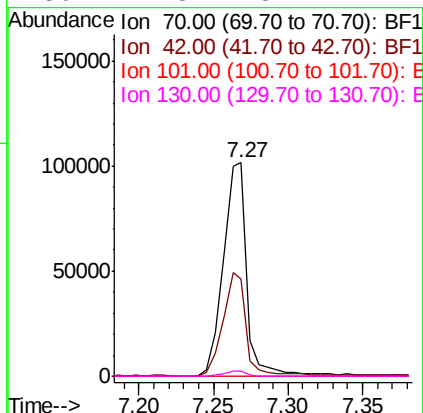




#19
n-Nitroso-di-n-propylamine
Concen: 14.778 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

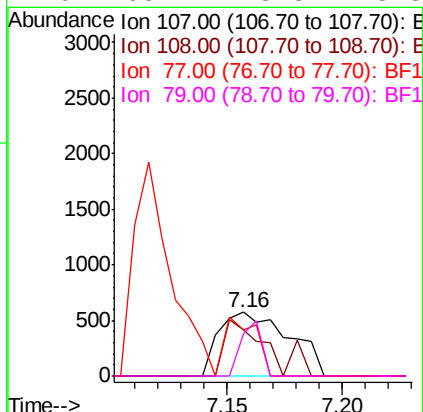
Instrument :
BNA_F
ClientSampleId :
CS-3

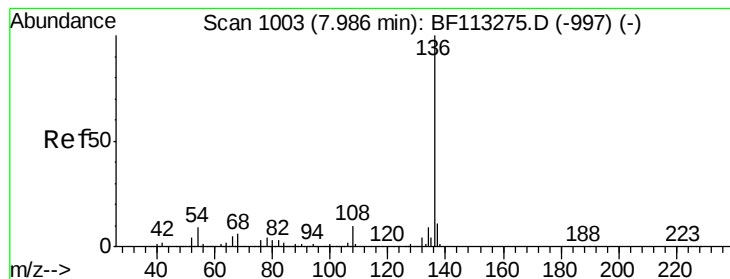
Tgt Ion: 70 Resp: 113876
Ion Ratio Lower Upper
70 100
42 45.6 48.4 72.6#
101 0.0 7.8 11.8#
130 2.3 18.2 27.4#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.16 min Scan# 862
Delta R.T. 0.03 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion: 107 Resp: 1211
Ion Ratio Lower Upper
107 100
108 72.9 71.4 111.4
77 73.0 33.5 73.5
79 65.7 8.3 48.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

Tgt Ion: 136 Resp: 595868

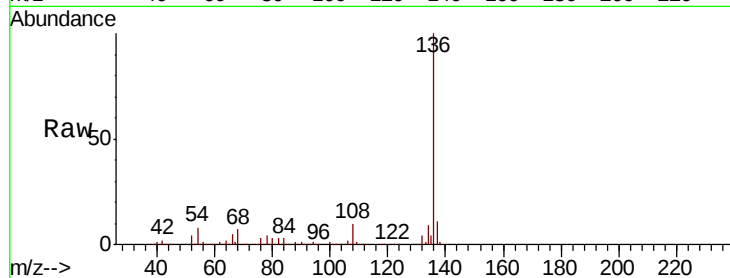
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 7.0 10.6

68 6.5 4.8 7.2

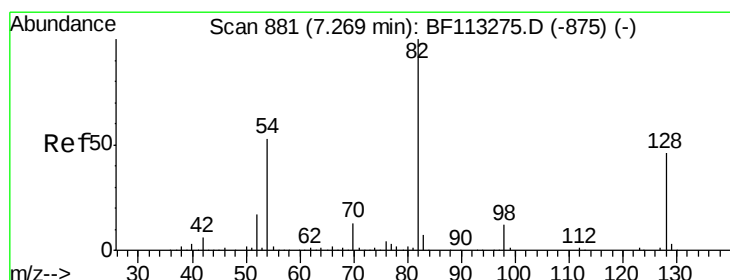
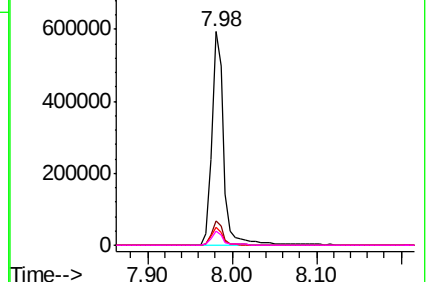
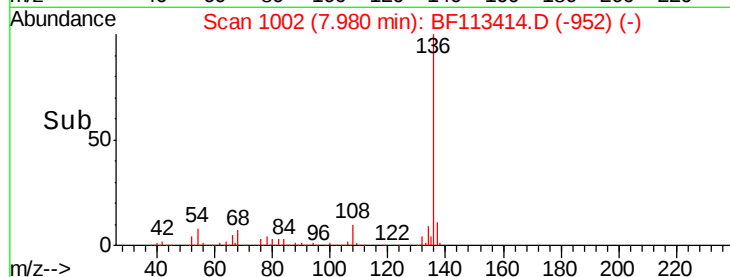


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 87.542 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

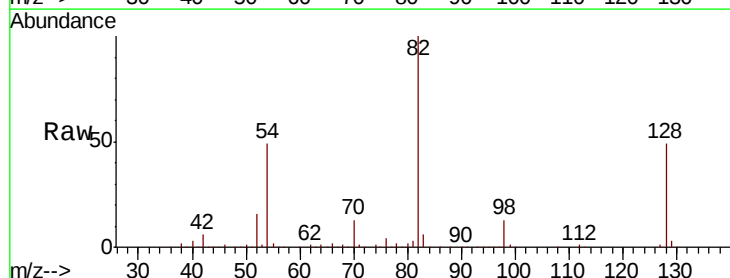
Tgt Ion: 82 Resp: 878853

Ion Ratio Lower Upper

82 100

128 48.5 36.5 54.7

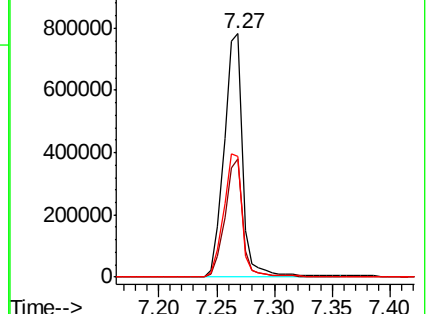
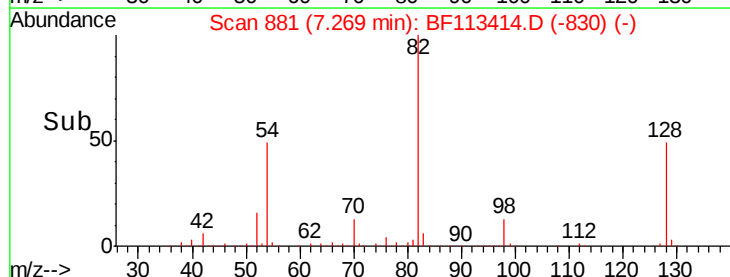
54 49.4 42.2 63.2

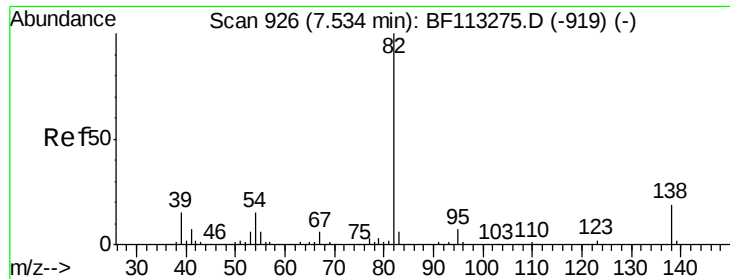


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

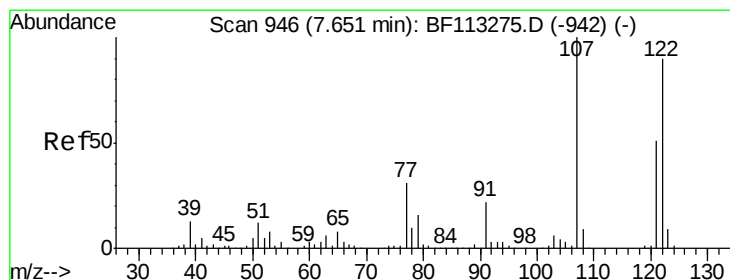
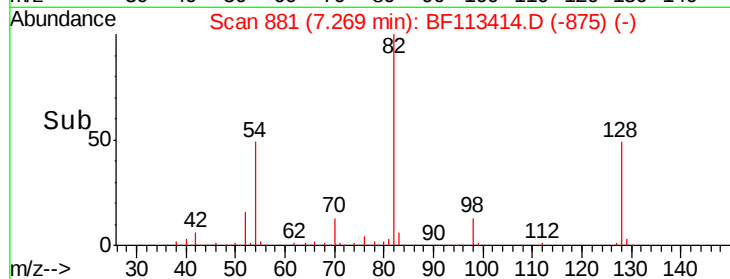
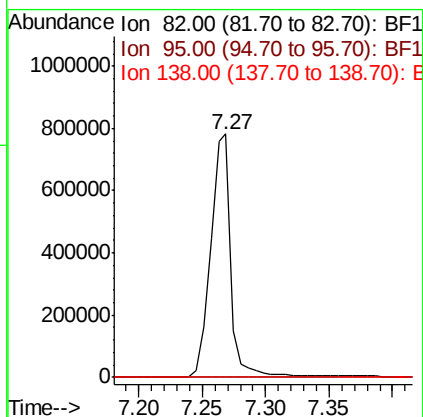
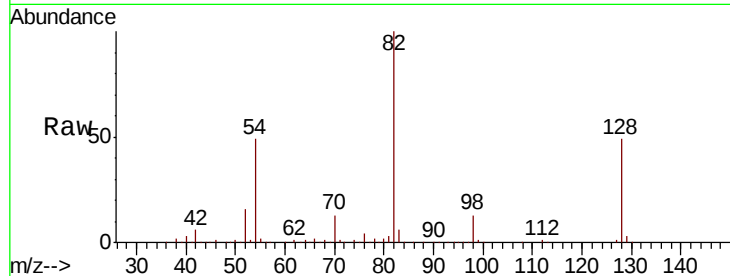




#25
Isophorone
Concen: 44.859 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

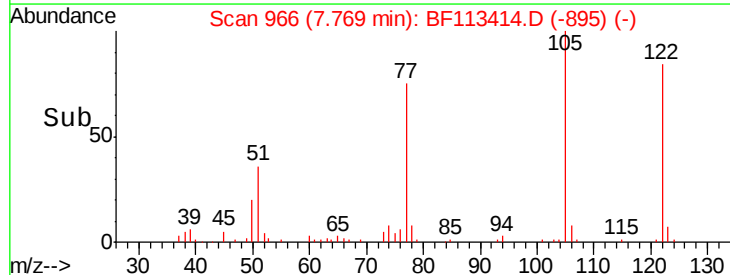
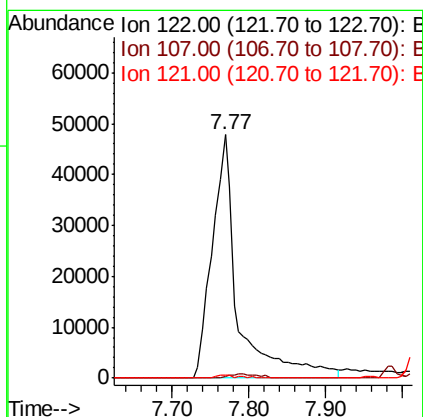
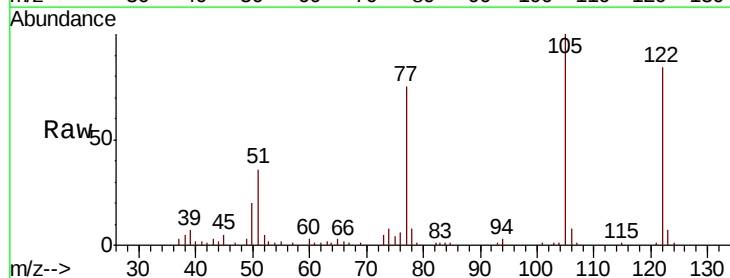
Instrument :
BNA_F
ClientSampleId :
CS-3

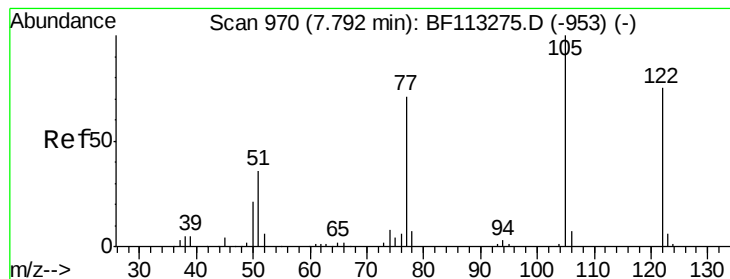
Tgt Ion: 82 Resp: 872761
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.2 22.8#



#27
2,4-Dimethylphenol
Concen: 13.901 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.12 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion: 122 Resp: 110726
Ion Ratio Lower Upper
122 100
107 0.7 88.8 133.2#
121 1.0 45.5 68.3#





#32

Benzoic acid

Concen: 17.361 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

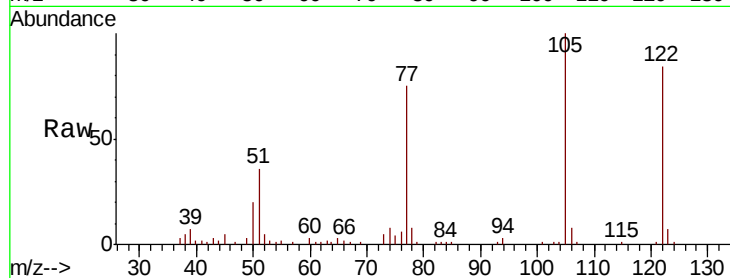
Tgt Ion:122 Resp: 111319

Ion Ratio Lower Upper

122 100

105 118.4 100.4 140.4

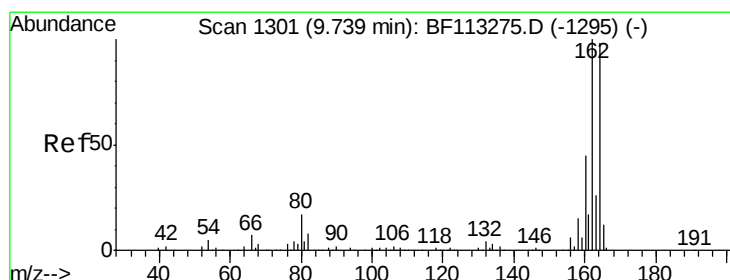
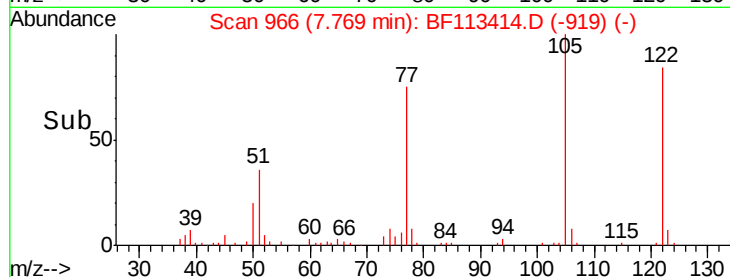
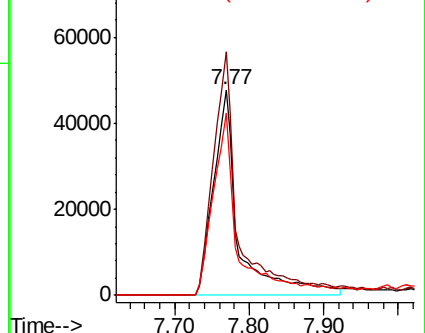
77 88.6 69.0 109.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

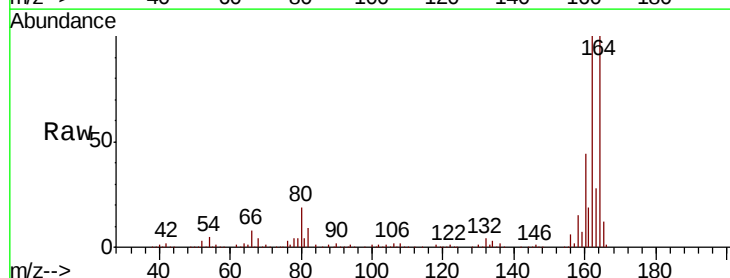
Tgt Ion:164 Resp: 291346

Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.6

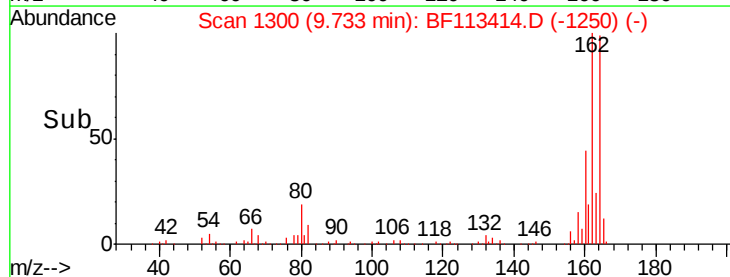
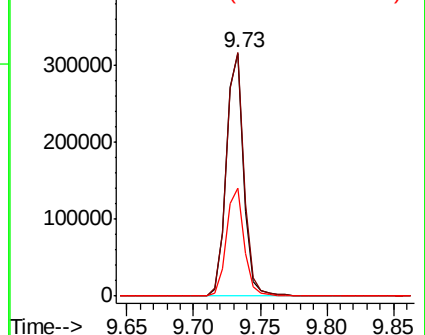
160 44.3 36.4 54.6

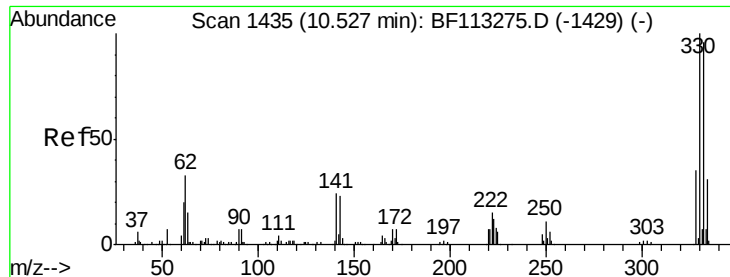


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

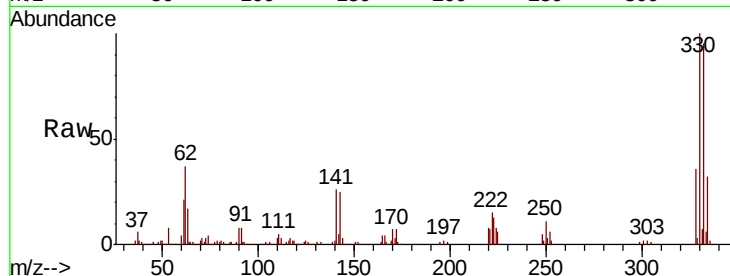




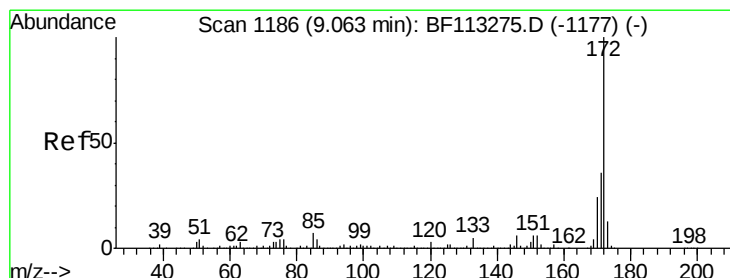
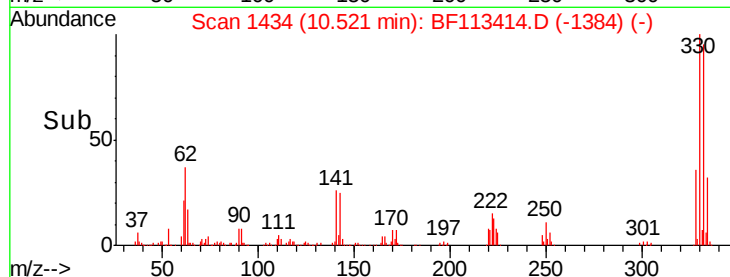
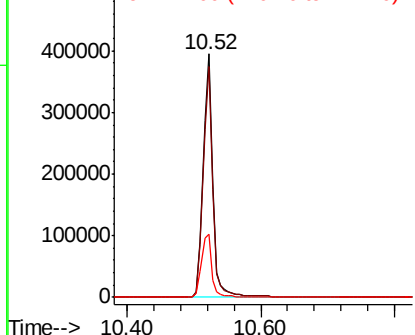
#42
 2,4,6-Tribromophenol
 Concen: 107.704 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

Instrument :
 BNA_F
 ClientSampled :
 CS-3

Tgt Ion:330 Resp: 387603
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.8 116.6
 141 27.8 22.7 34.1

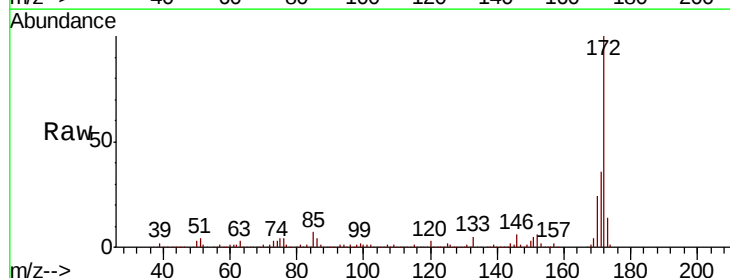


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

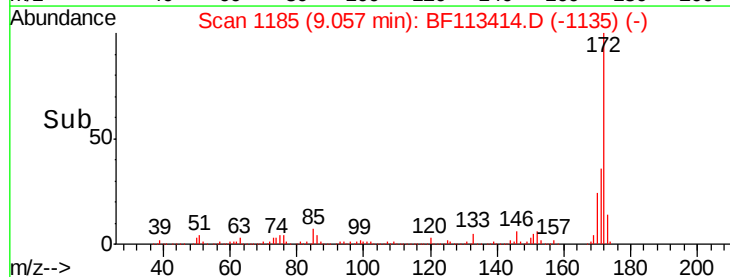
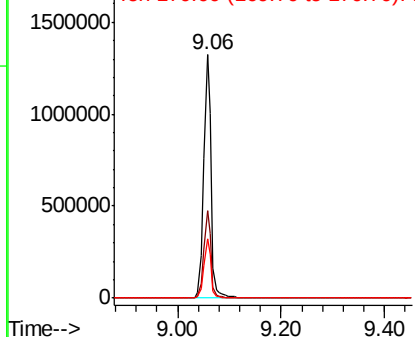


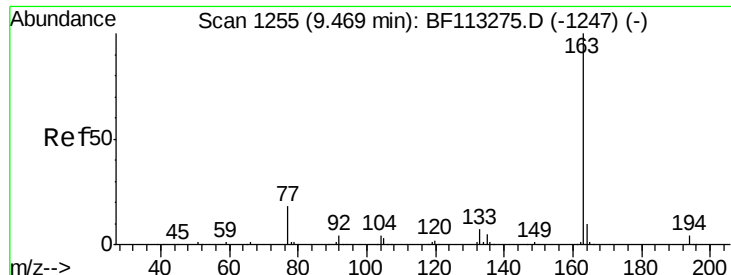
#45
 2-Fluorobiphenyl
 Concen: 66.462 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

Tgt Ion:172 Resp: 1306921
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.6
 170 24.2 19.5 29.3



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

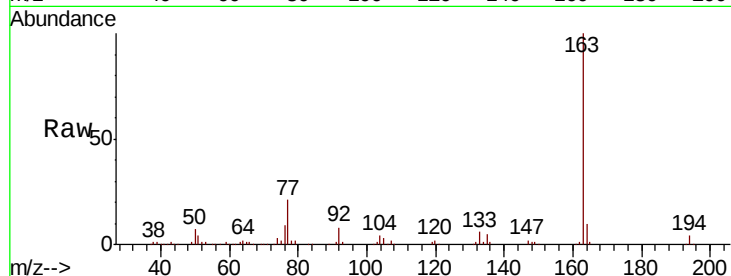




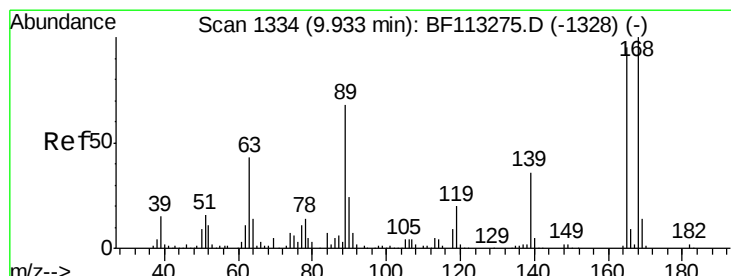
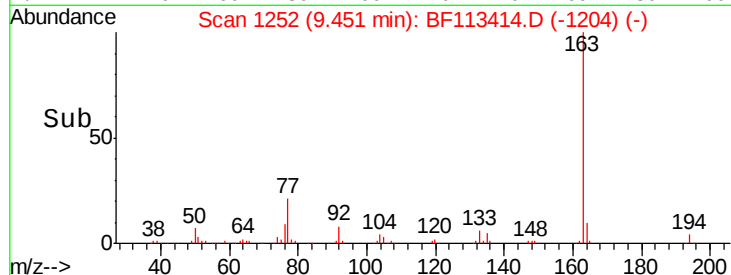
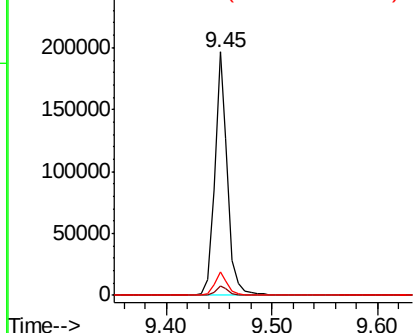
#50
 Dimethylphthalate
 Concen: 7.699 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

Instrument :
 BNA_F
 ClientSampled :
 CS-3

Tgt Ion:	163	Resp:	166226
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.8	8.1	12.1



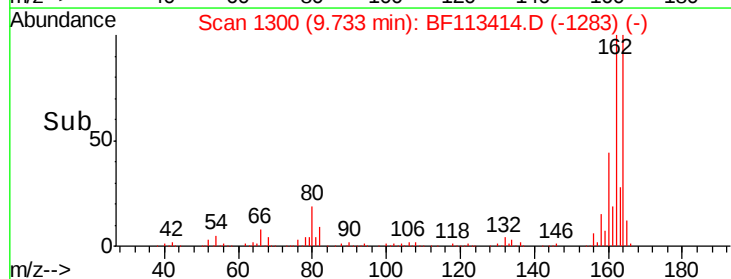
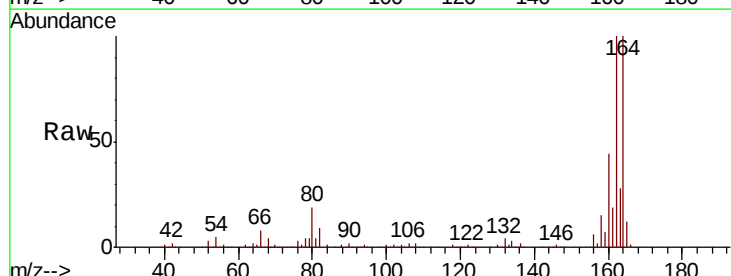
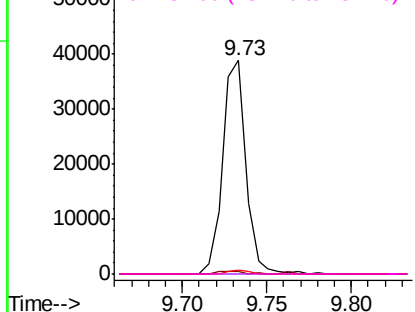
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

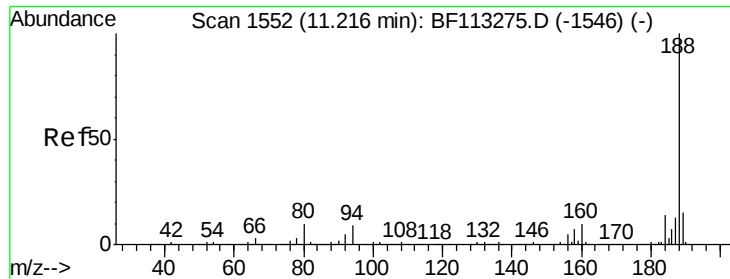


#57
 2,4-Dinitrotoluene
 Concen: 6.022 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

Tgt Ion:	165	Resp:	37304
Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.5	56.3#
89	1.6	57.4	86.2#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

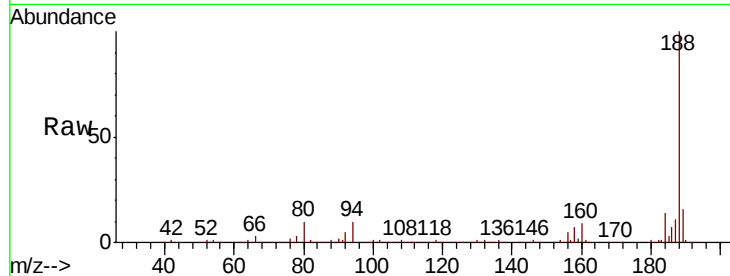
Tgt Ion:188 Resp: 601643

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

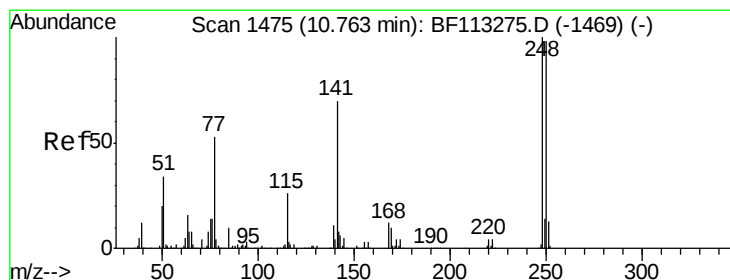
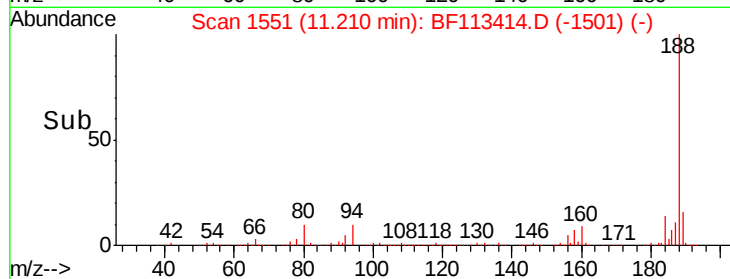
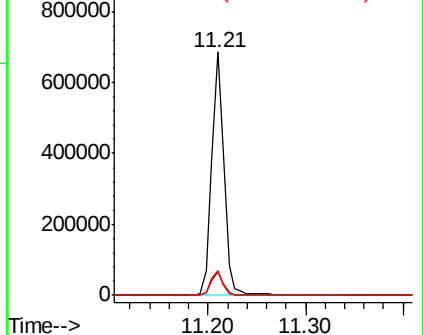
80 10.3 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.201 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.24 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

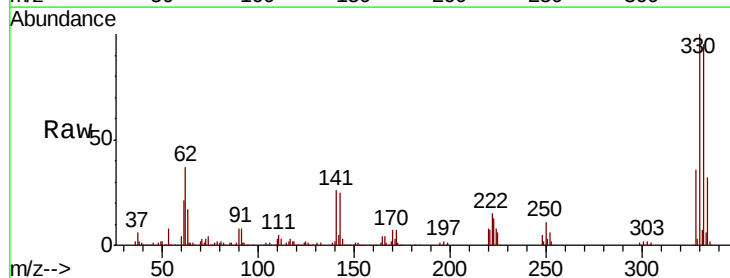
Tgt Ion:248 Resp: 20993

Ion Ratio Lower Upper

248 100

250 209.5 78.3 117.5#

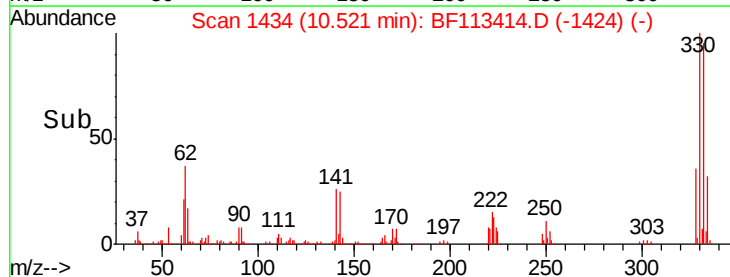
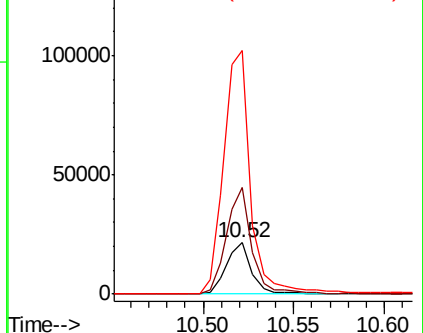
141 477.2 56.2 84.4#

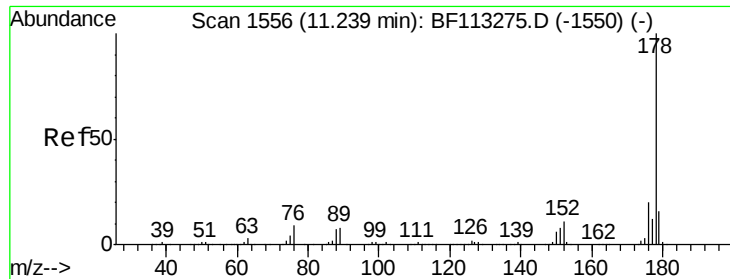


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.456 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

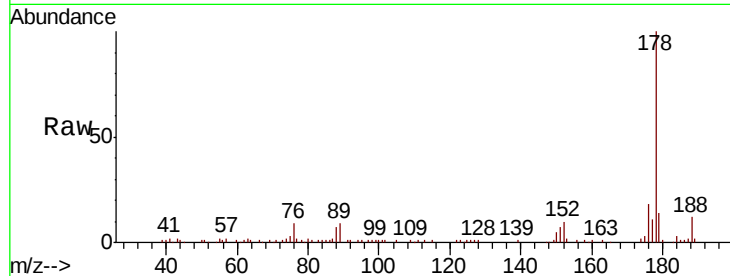
Tgt Ion:178 Resp: 73390

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.2

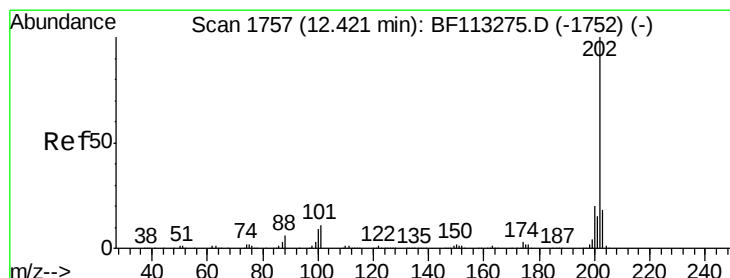
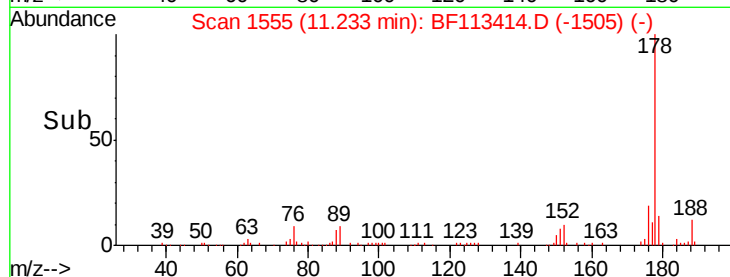
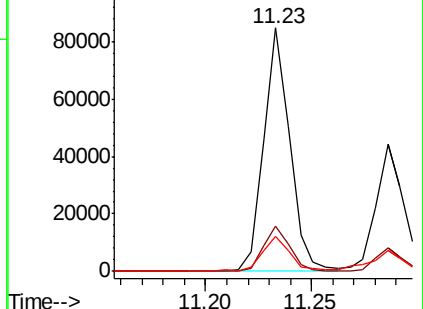
179 14.2 12.7 19.1



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



#75

Fluoranthene

Concen: 14.478 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

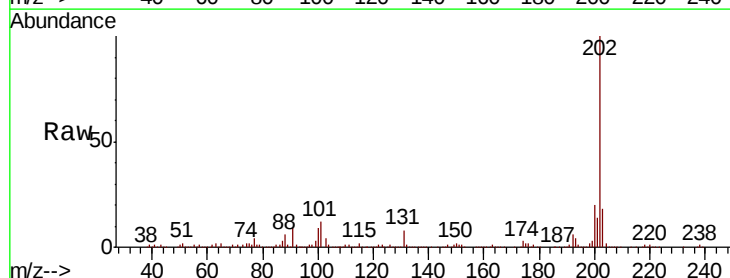
Tgt Ion:202 Resp: 488996

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

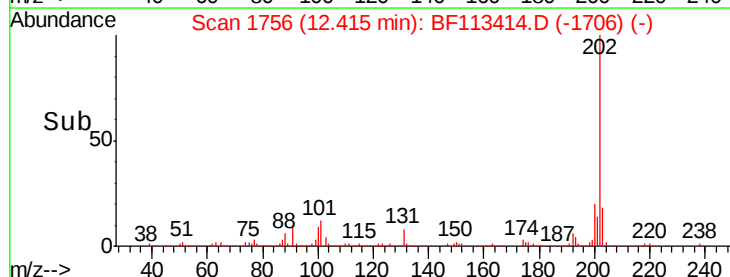
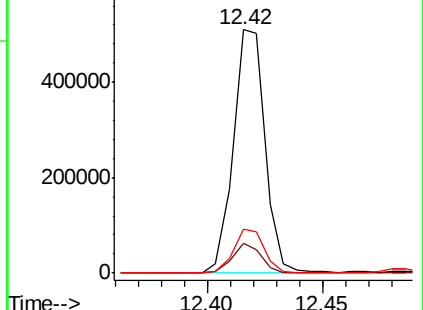
203 17.8 0.0 38.0

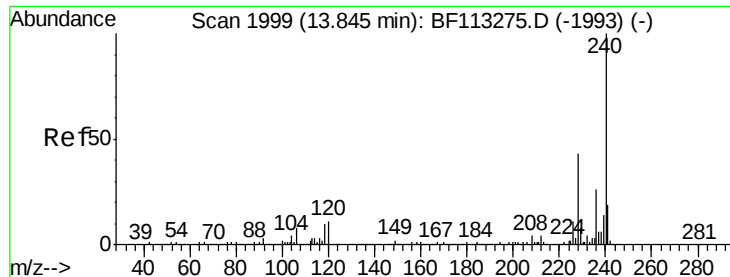


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

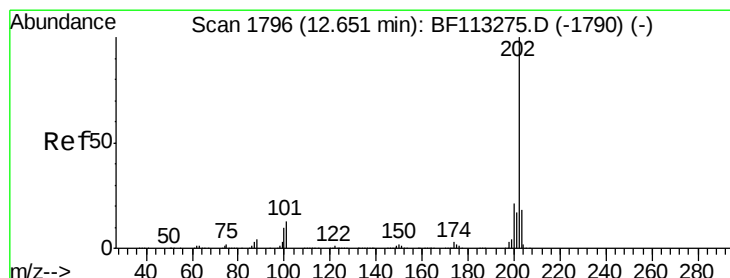
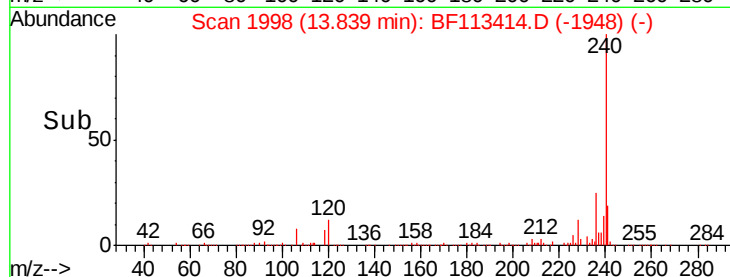
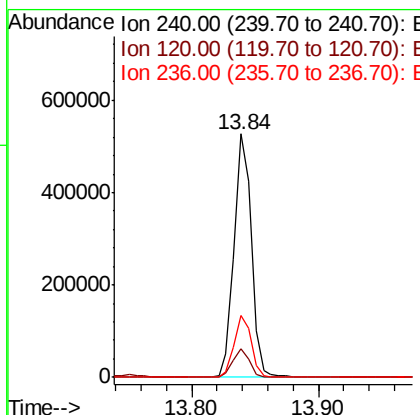
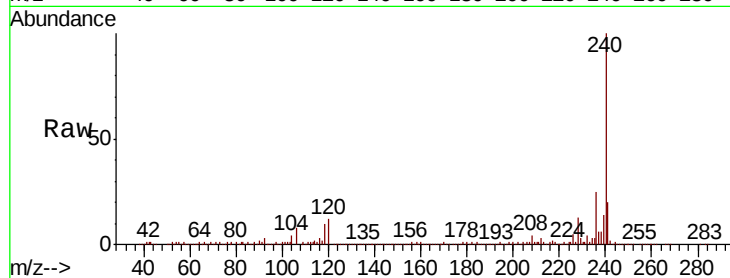




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

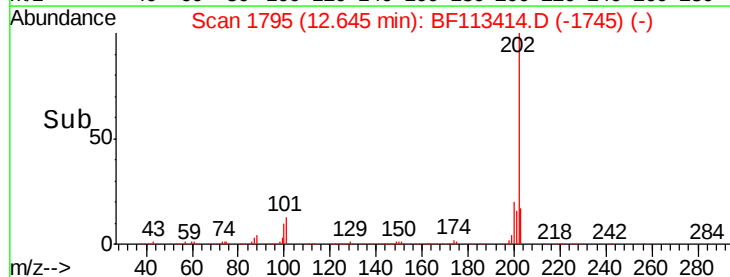
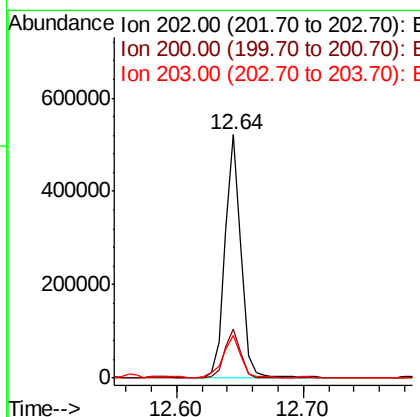
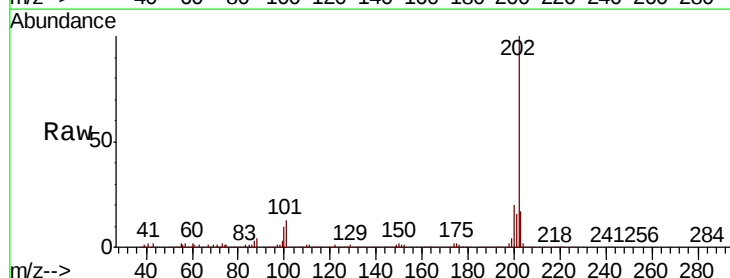
Instrument :
BNA_F
ClientSampleId :
CS-3

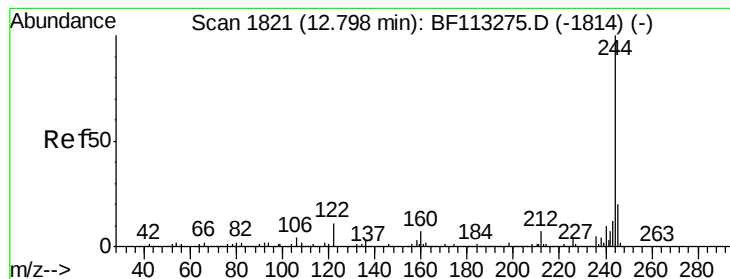
Tgt Ion:240 Resp: 493742
Ion Ratio Lower Upper
240 100
120 11.9 8.8 13.2
236 25.4 20.9 31.3



#78
Pyrene
Concen: 13.190 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion:202 Resp: 451290
Ion Ratio Lower Upper
202 100
200 20.4 16.8 25.2
203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 56.886 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

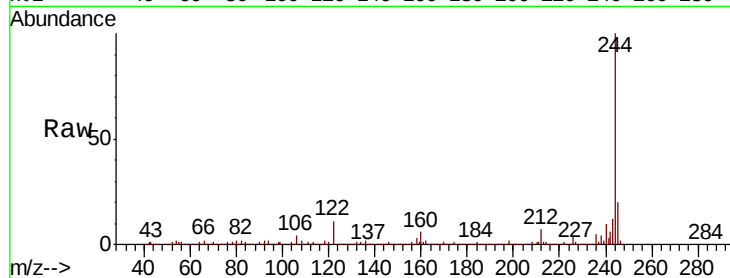
Tgt Ion:244 Resp: 1274264

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

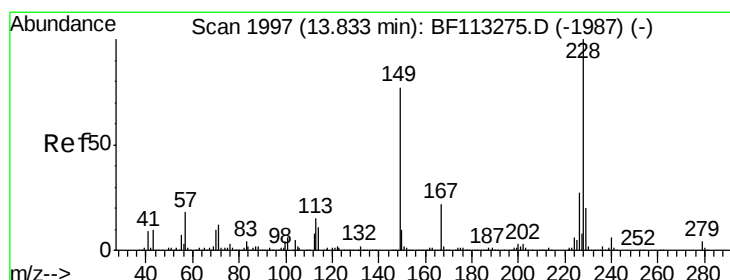
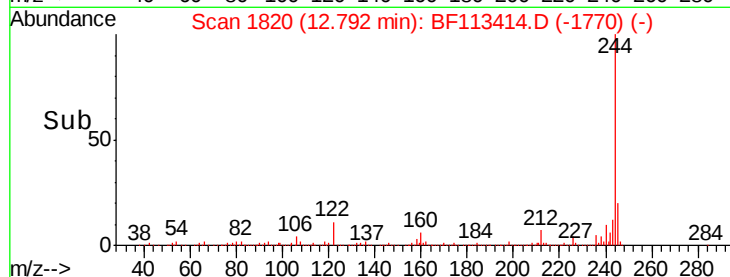
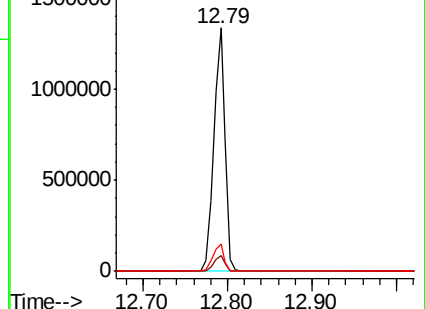
122 11.0 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.786 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

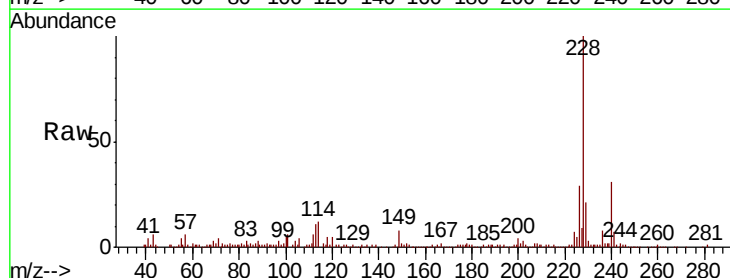
Tgt Ion:228 Resp: 191797

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

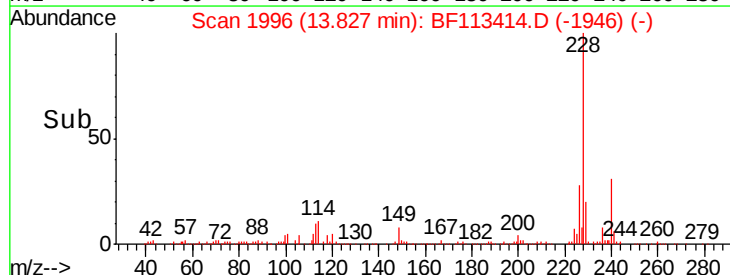
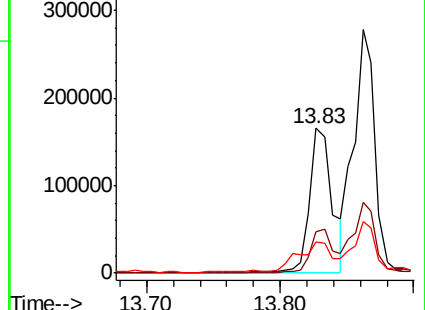
229 21.3 16.2 24.4

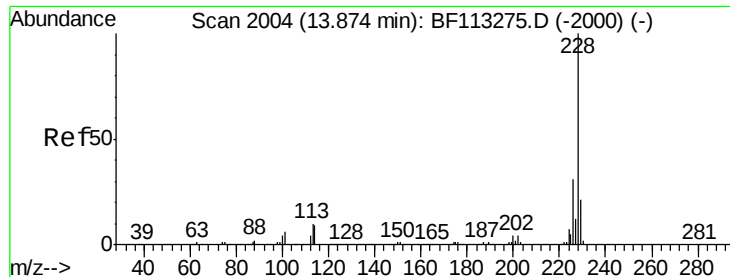


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.653 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

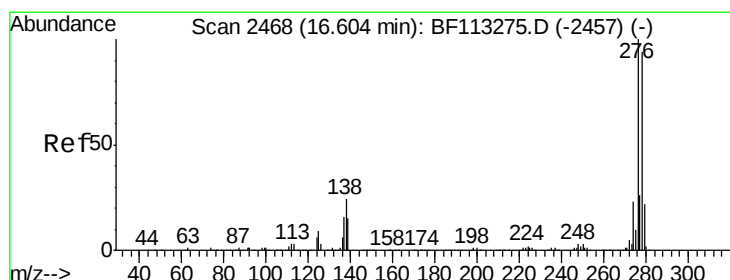
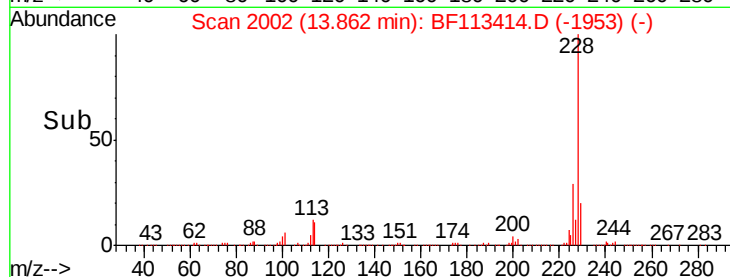
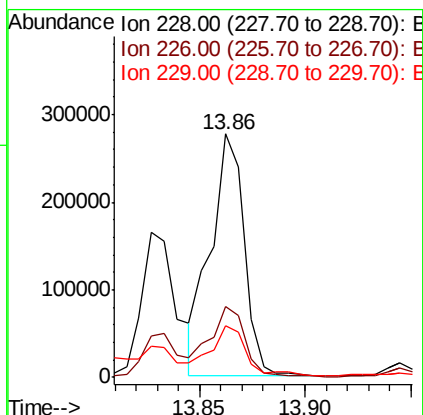
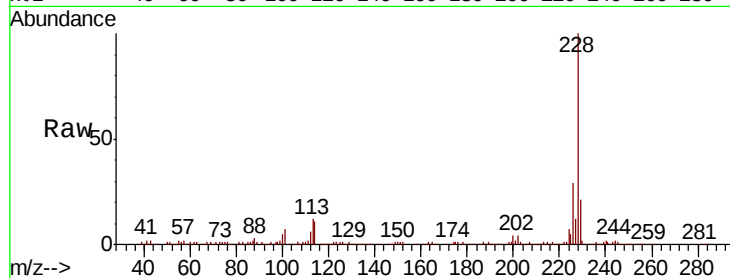
Instrument :

BNA_F

ClientSampleId :

CS-3

Tgt Ion:	228	Resp:	305808
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	21.0	16.3	24.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.506 ng

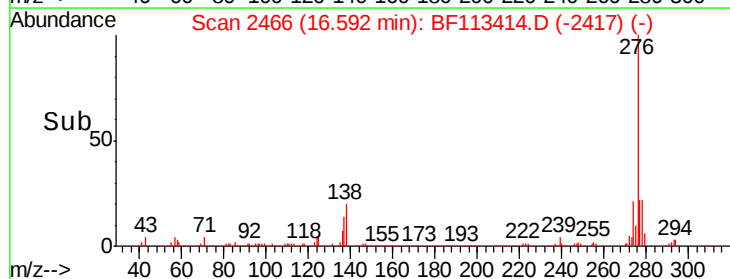
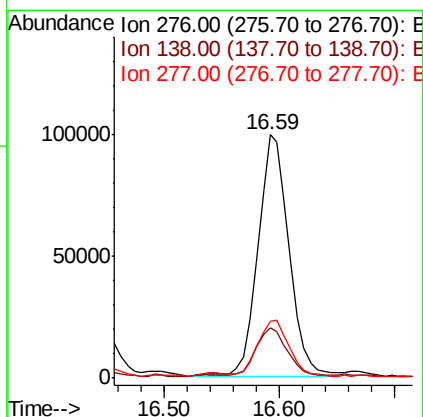
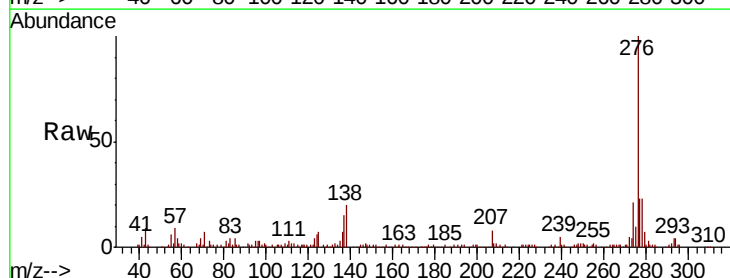
RT: 16.59 min Scan# 2466

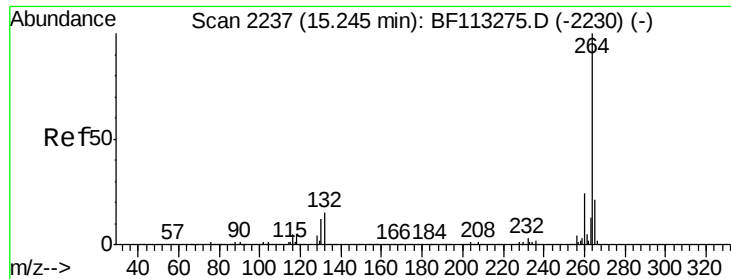
Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Tgt Ion:	276	Resp:	184926
Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.1	27.1
277	23.1	20.2	30.4

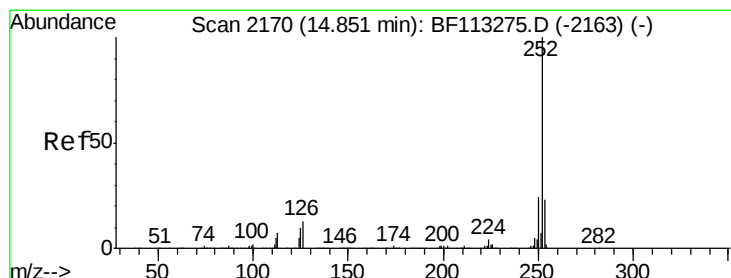
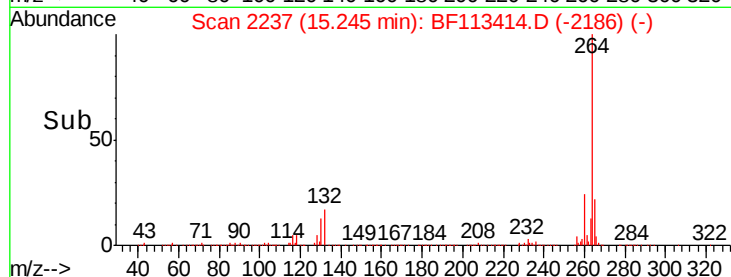
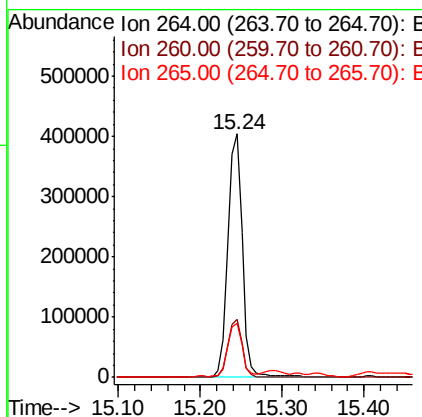
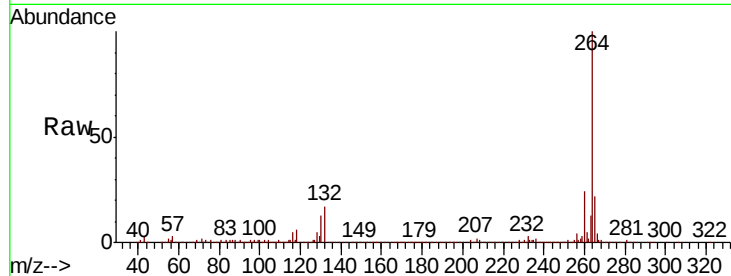




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

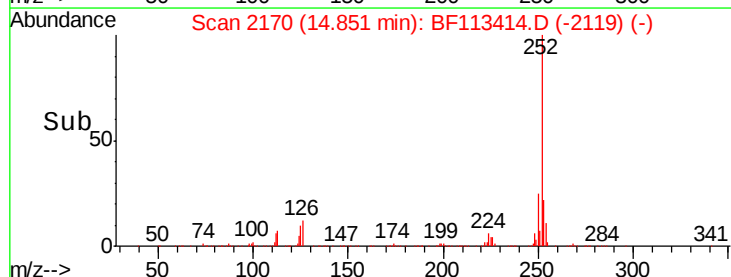
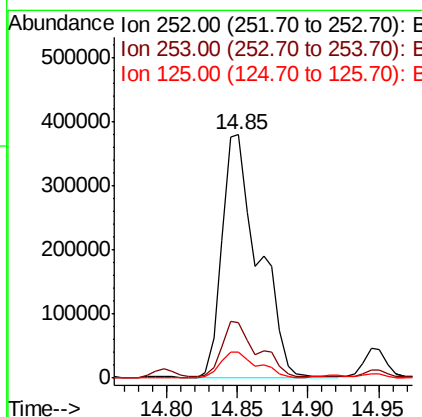
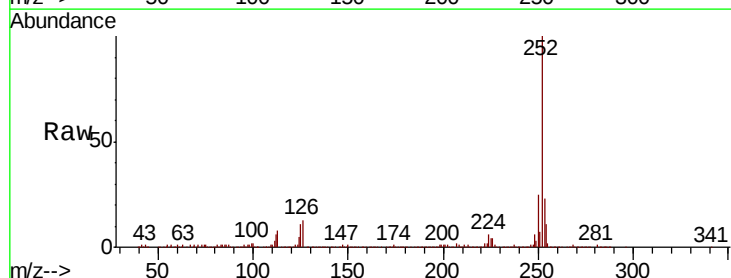
Instrument :
BNA_F
ClientSampleId :
CS-3

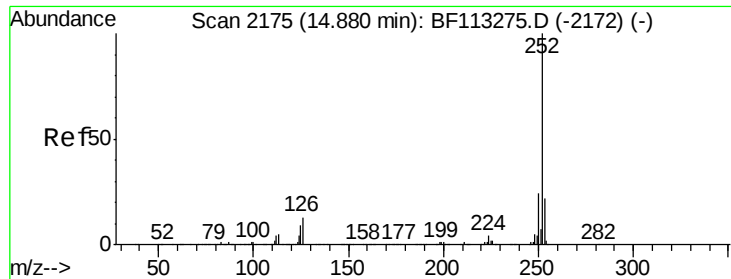
Tgt Ion:264 Resp: 497378
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 22.5 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 22.131 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion:252 Resp: 683793
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.8 7.6 11.4

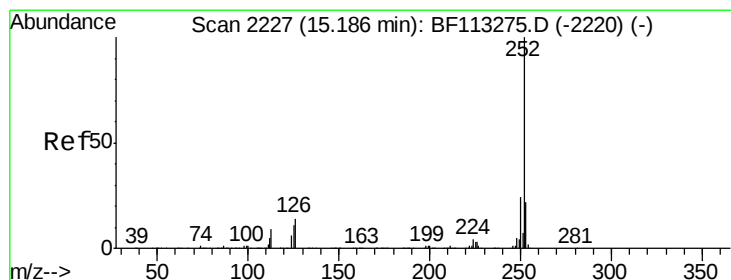
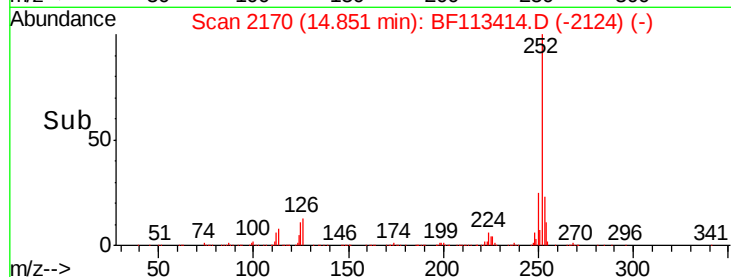
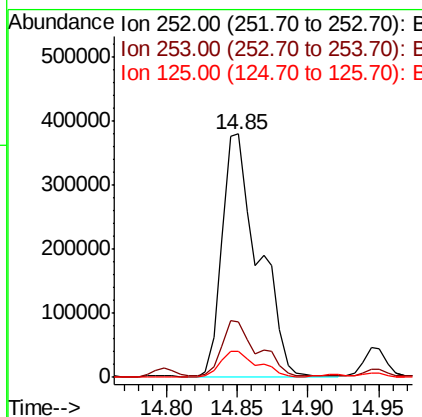
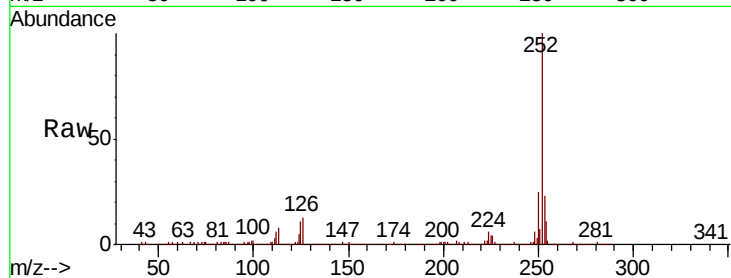




#89
Benzo(k)fluoranthene
Concen: 25.201 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

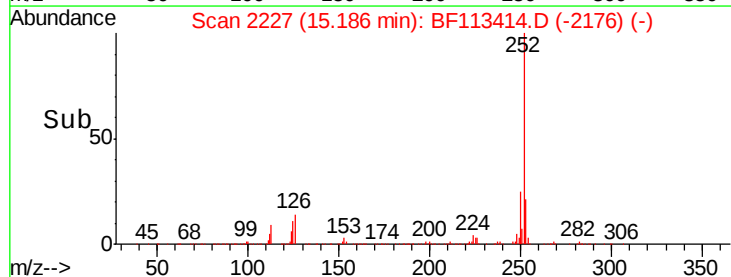
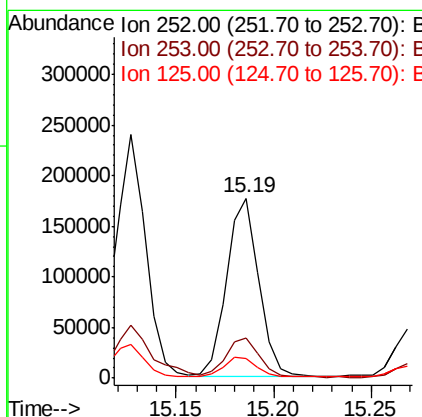
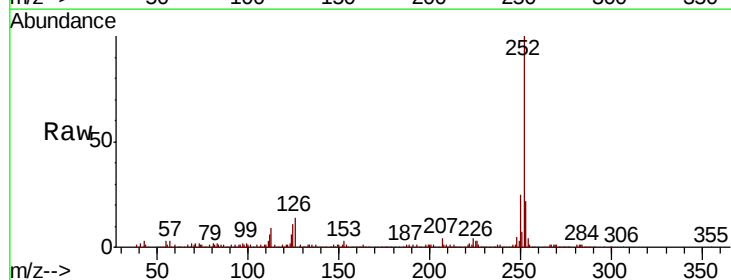
Instrument :
BNA_F
ClientSampleId :
CS-3

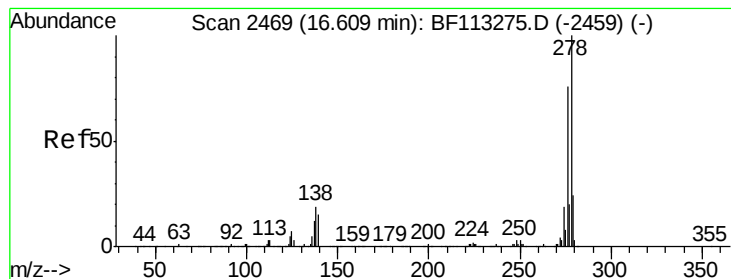
Tgt Ion:252 Resp: 683793
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.8 7.3 10.9



#90
Benzo(a)pyrene
Concen: 7.436 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion:252 Resp: 203670
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.342 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampleId :

CS-3

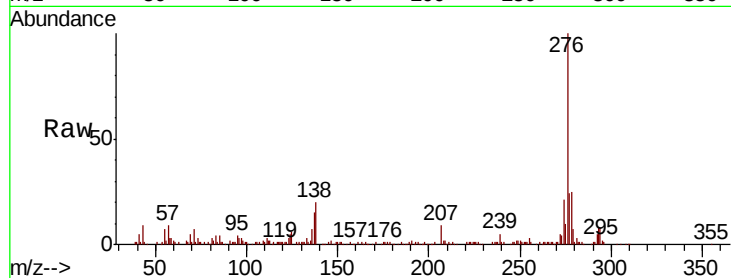
Tgt Ion: 278 Resp: 55480

Ion Ratio Lower Upper

278 100

139 0.0 12.0 18.0#

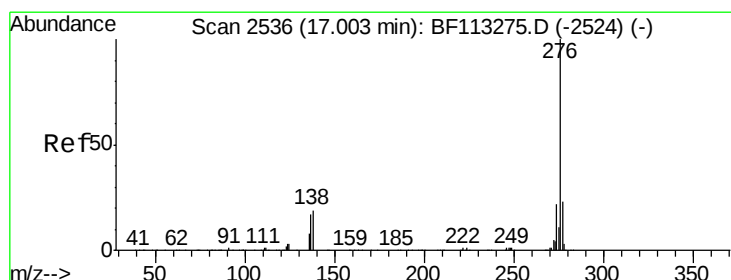
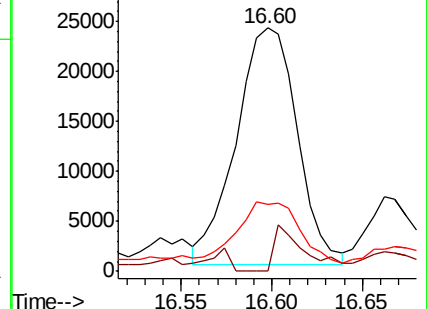
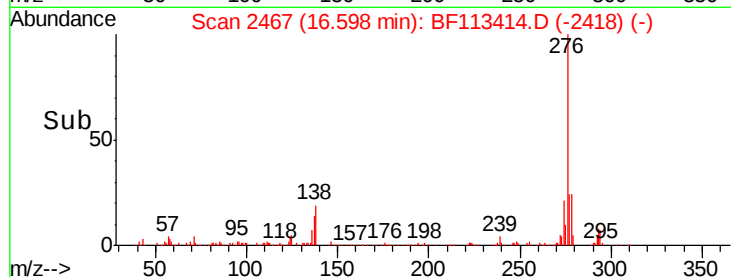
279 27.7 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.084 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

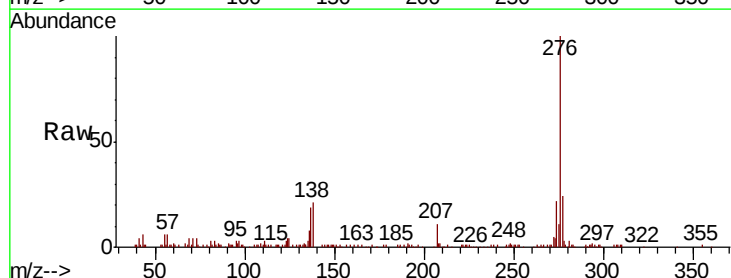
Tgt Ion: 276 Resp: 169171

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 21.1 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

