

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113482.D
 Acq On : 1 Apr 2019 22:35
 Operator : JU/SJ
 Sample : K2182-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8A(2-10)COMP

Quant Time: Apr 02 01:11:09 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	6.71	152	126110	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	480448	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	224345	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	413016	20.00	ng	0.00
76) Chrysene-d12	13.85	240	369400	20.00	ng	0.00
87) Perylene-d12	15.26	264	251795	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	747614	96.93	ng	0.01
7) Phenol-d6	6.36	99	994166	101.89	ng	0.00
23) Nitrobenzene-d5	7.27	82	580481	71.71	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	265076	95.65	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1145704	78.75	ng	0.00
79) Terphenyl-d14	12.80	244	1160205	69.23	ng	0.00

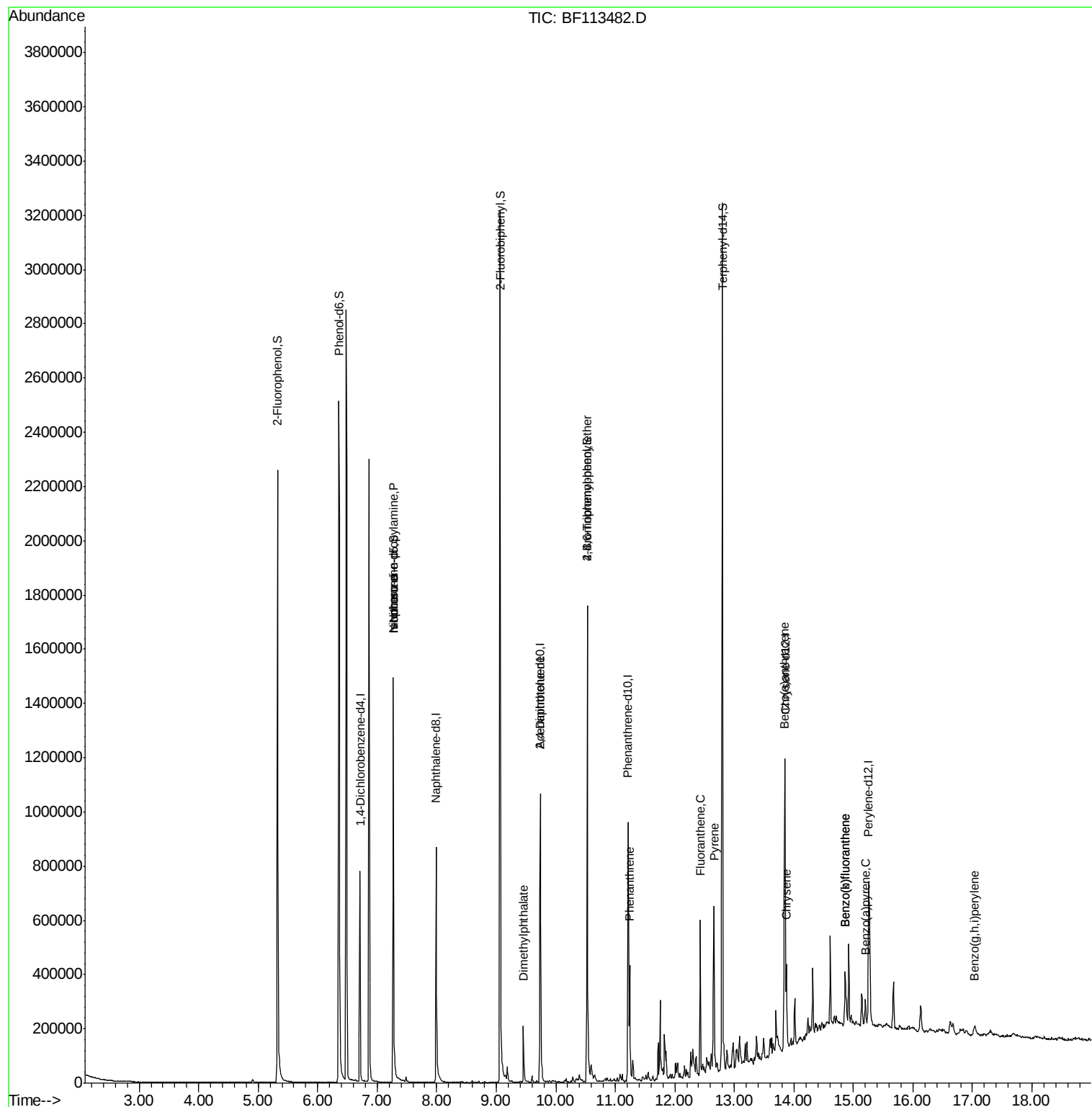
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	72777	11.875	ng	# 78
25) Isophorone	7.27	82	562155	35.836	ng	# 64
50) Dimethylphthalate	9.46	163	101251	6.090	ng	100
57) 2,4-Dinitrotoluene	9.74	165	28240	5.921	ng	# 23
67) 4-Bromophenyl-phenylether	10.53	248	14451	3.210	ng	# 1
71) Phenanthrene	11.24	178	168044	8.193	ng	98
75) Fluoranthene	12.43	202	215466	9.293	ng	99
78) Pyrene	12.66	202	286916	11.208	ng	98
81) Benzo(a)anthracene	13.84	228	111223	5.260	ng	98
83) Chrysene	13.87	228	131546	6.125	ng	99
88) Benzo(b)fluoranthene	14.86	252	144267	9.223	ng	# 97
89) Benzo(k)fluoranthene	14.86	252	144267	10.503	ng	# 96
90) Benzo(a)pyrene	15.20	252	49215	3.549	ng	# 96
92) Benzo(g,h,i)perylene	17.04	276	31187	2.580	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.01 min

Lab File: BF113482.D

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Instrument :

BNA_F

ClientSampleId :

S8A(2-10)COMP

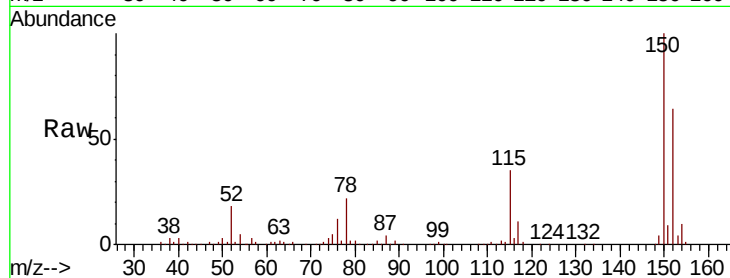
Tgt Ion:152 Resp: 126110

Ion Ratio Lower Upper

152 100

150 157.4 124.7 187.1

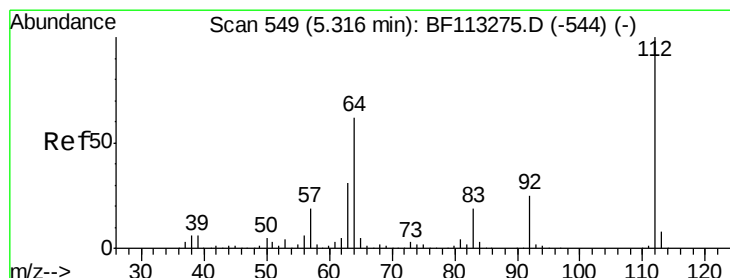
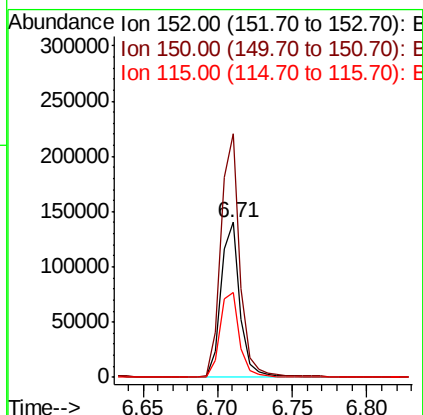
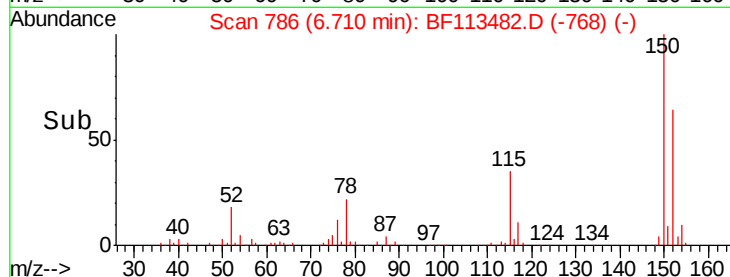
115 55.2 46.0 69.0



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: 96.934 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

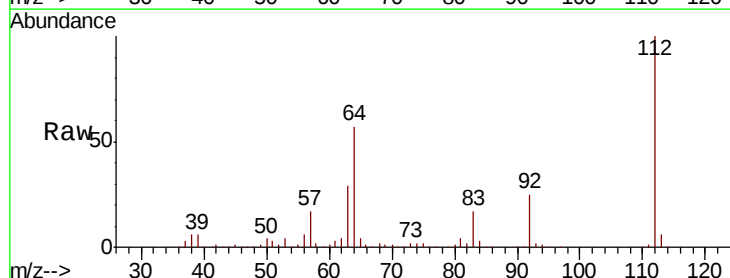
Tgt Ion:112 Resp: 747614

Ion Ratio Lower Upper

112 100

64 56.6 49.2 73.8

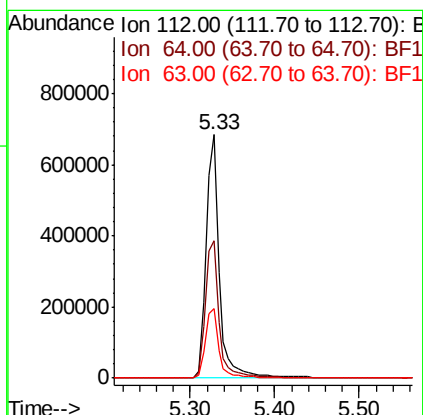
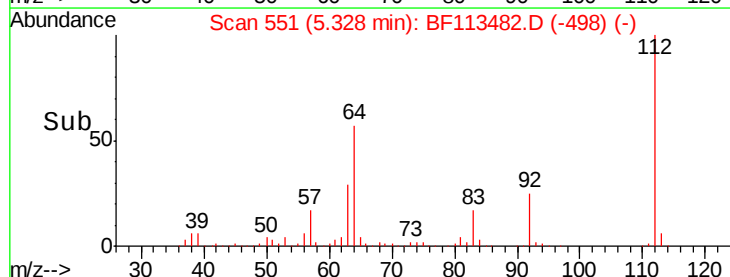
63 28.7 24.9 37.3

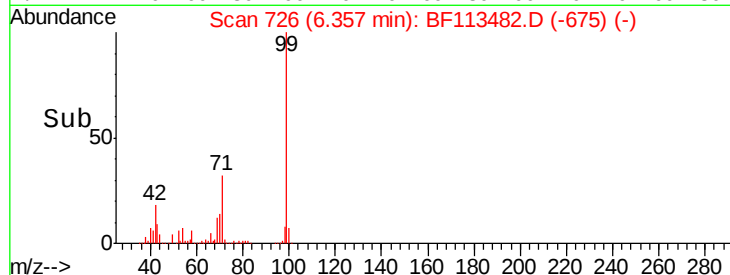
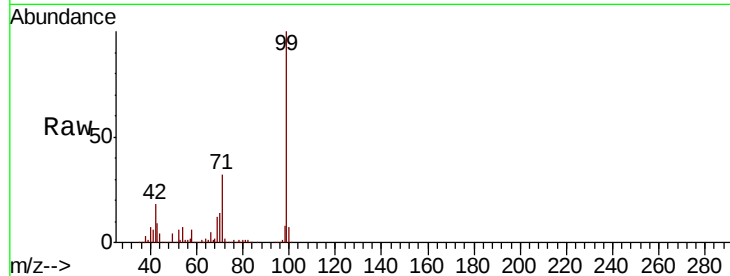


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.894 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

Instrument :

BNA_F

ClientSampleId :

S8A(2-10)COMP

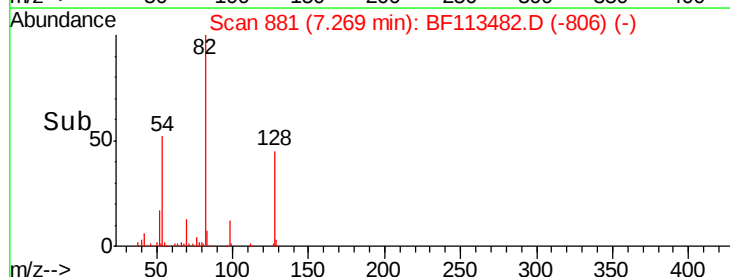
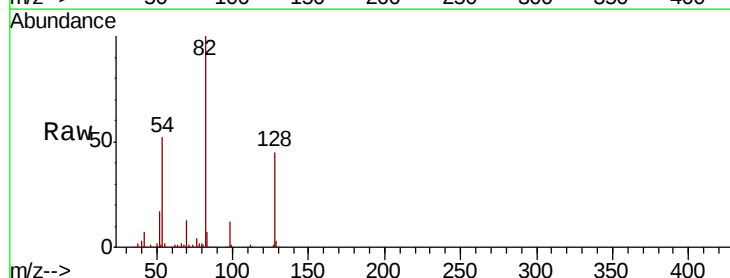
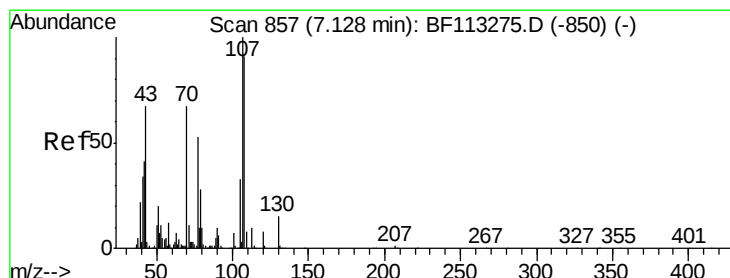
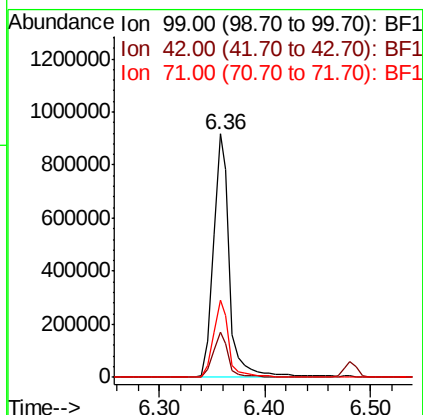
Tgt Ion: 99 Resp: 994166

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

71 31.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.875 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

Tgt Ion: 70 Resp: 72777

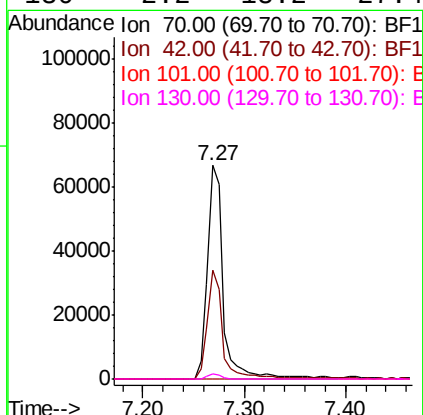
Ion Ratio Lower Upper

70 100

42 50.7 48.4 72.6

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#

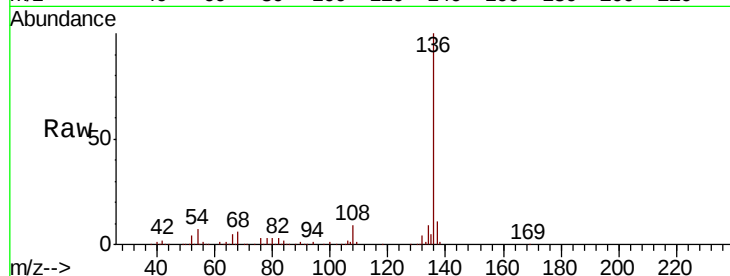




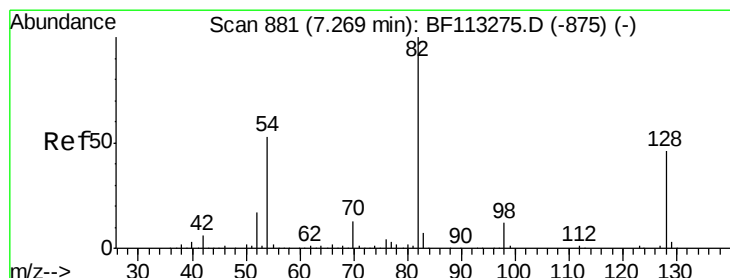
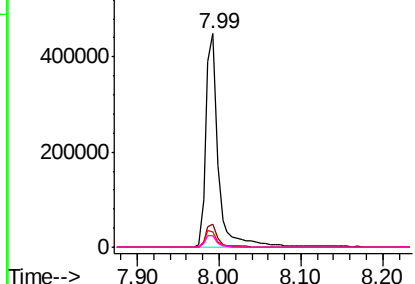
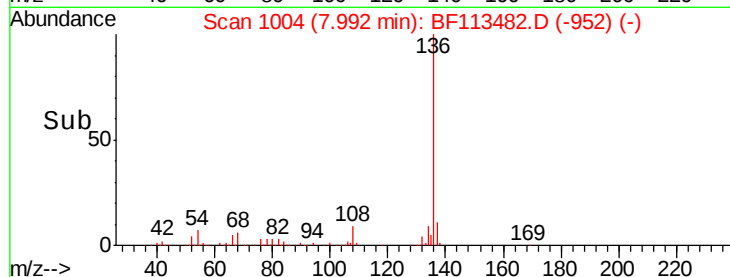
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Instrument :
BNA_F
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S8A(2-10)COMP

Tgt Ion:	136	Resp:	480448
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.4	7.0	10.6
68	5.6	4.8	7.2

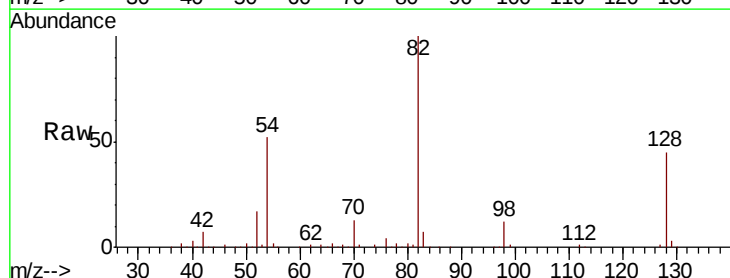


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

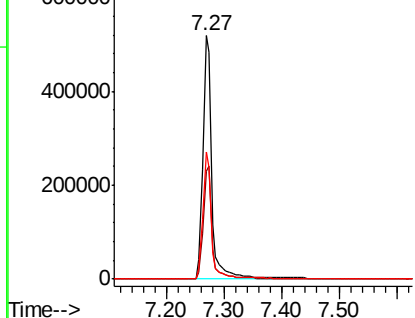
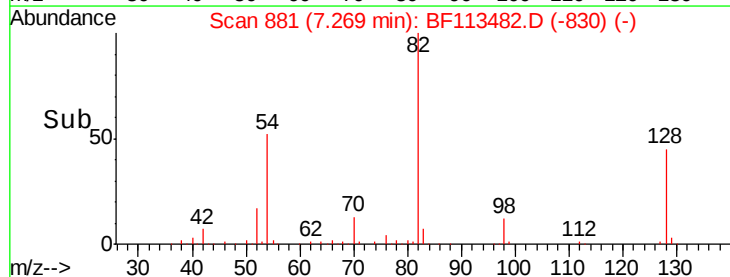


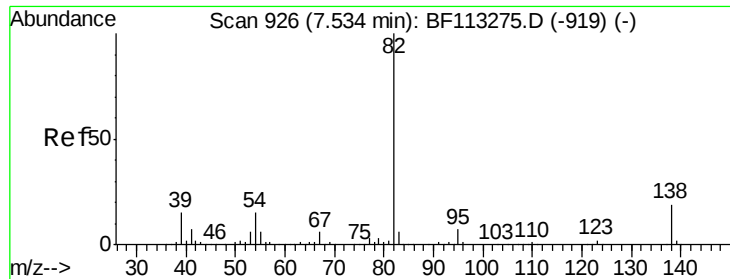
#23
Nitrobenzene-d5
Concen: 71.712 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion:	82	Resp:	580481
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.5	54.7
54	52.0	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

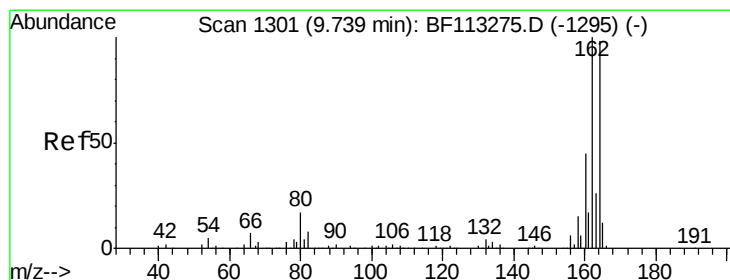
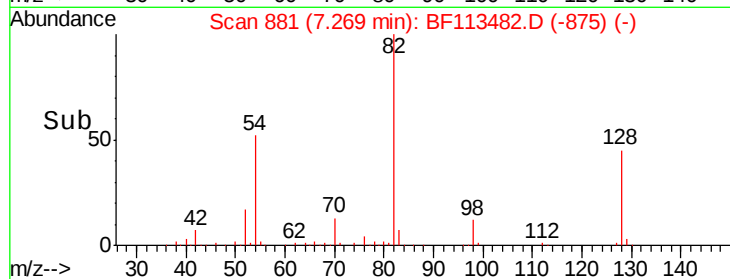
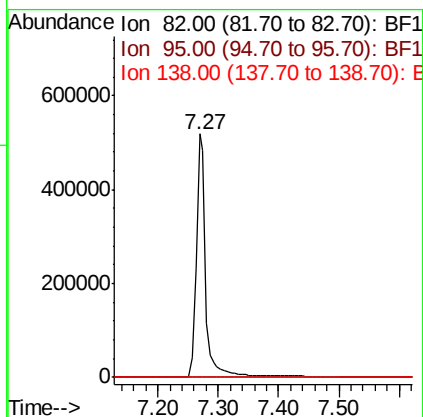
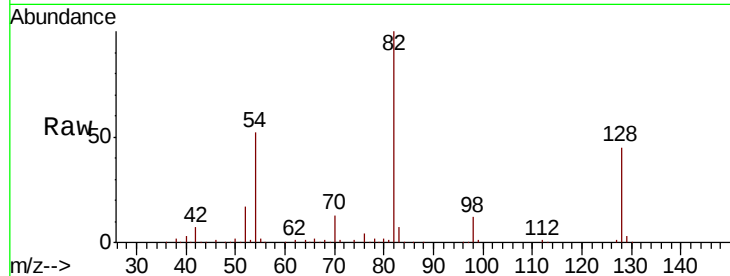




#25
Isophorone
Concen: 35.836 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

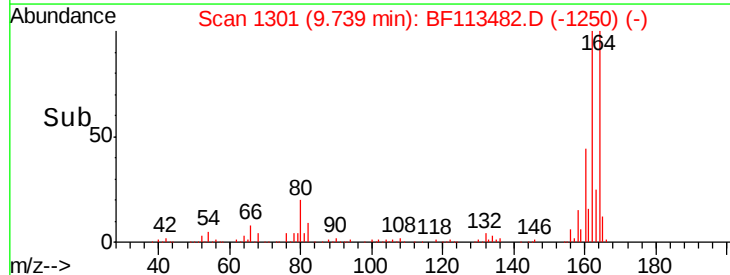
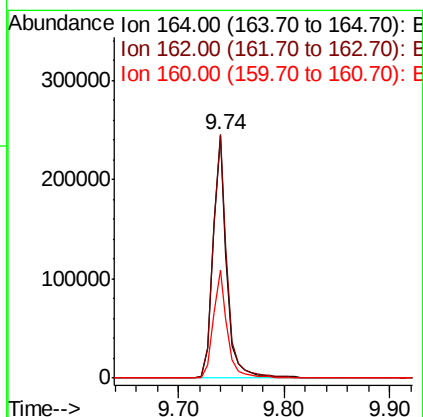
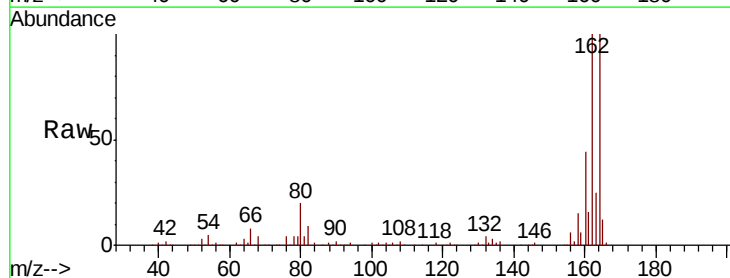
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BNA_F
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S8A(2-10)COMP

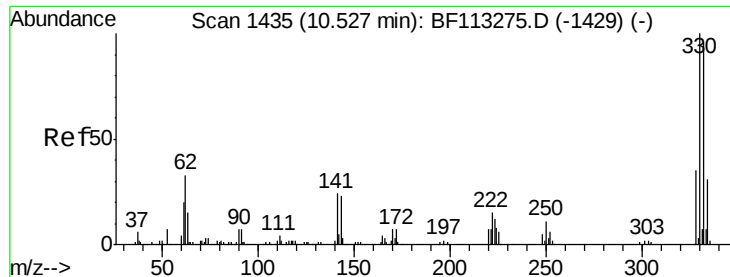
Tgt Ion: 82 Resp: 562155
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion: 164 Resp: 224345
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.6
160 44.4 36.4 54.6

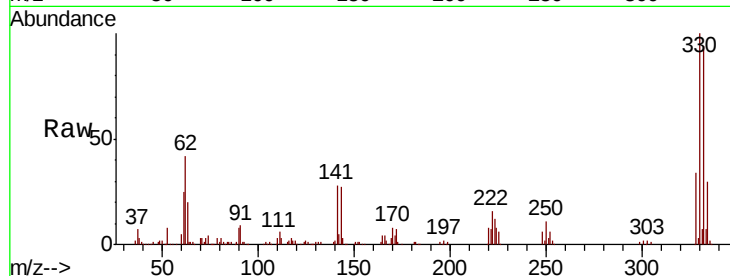




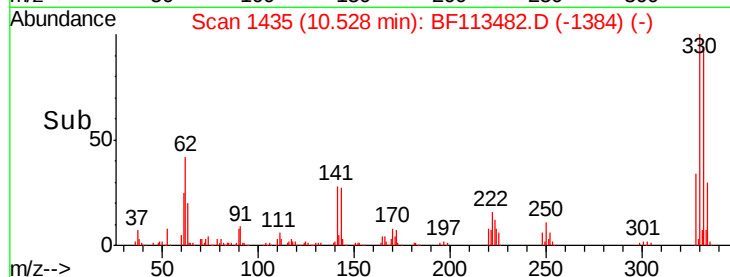
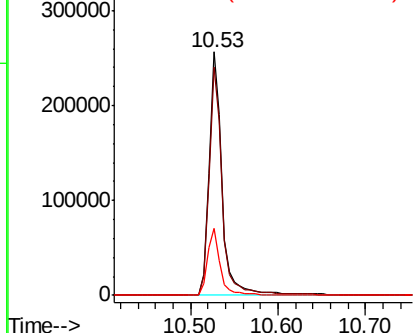
#42
 2,4,6-Tribromophenol
 Concen: 95.655 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

Instrument :
 BNA_F
 ClientSampleId :
 S8A(2-10)COMP

Tgt Ion:330 Resp: 265076
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.8 116.6
 141 27.6 22.7 34.1

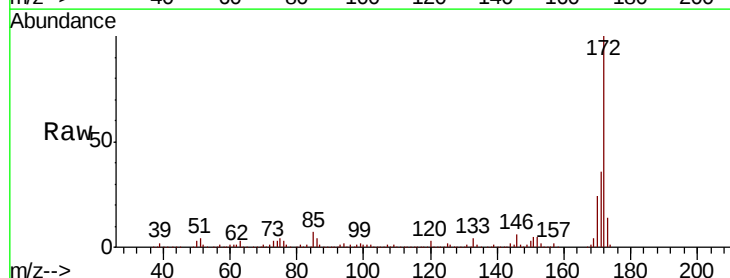


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

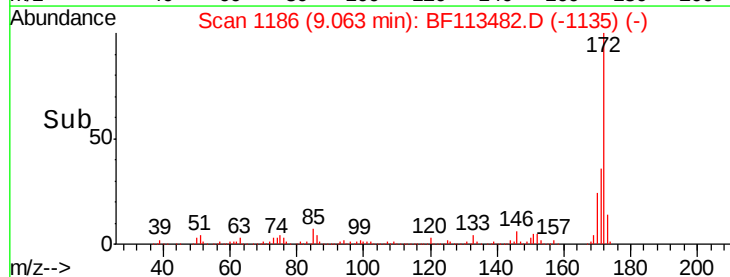
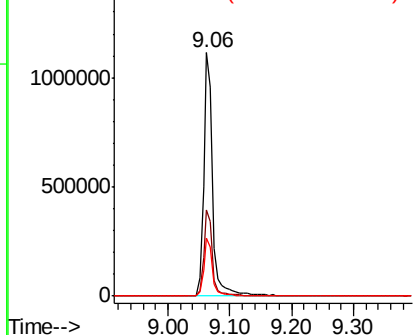


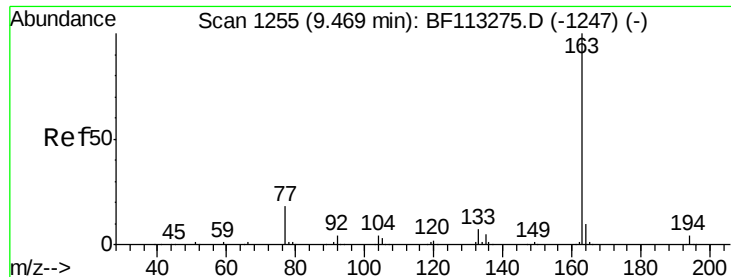
#45
 2-Fluorobiphenyl
 Concen: 78.745 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

Tgt Ion:172 Resp: 1145704
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.6
 170 24.0 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

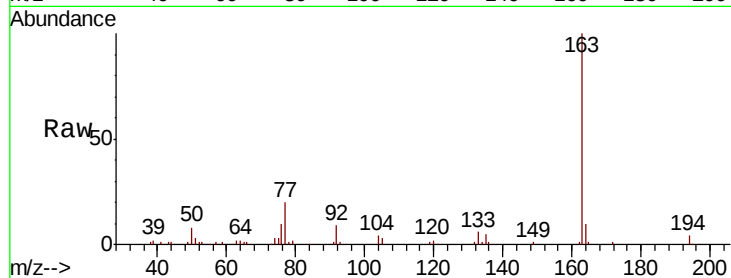




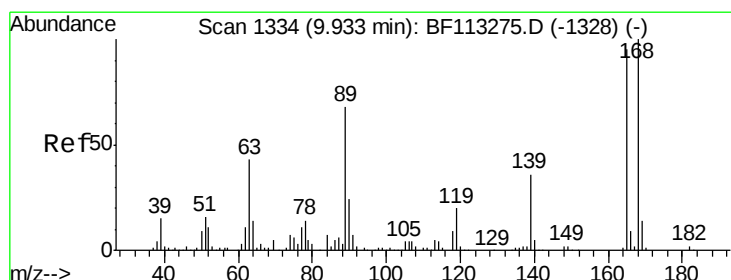
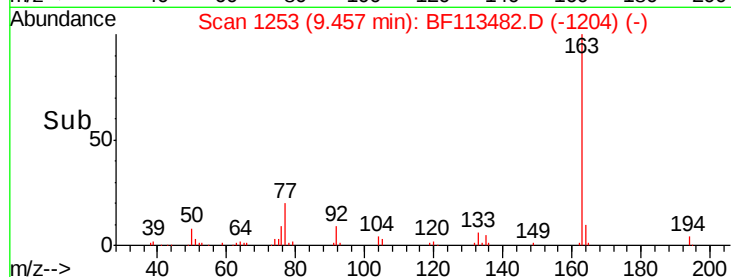
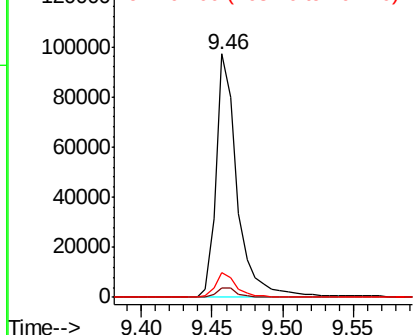
#50
Dimethylphthalate
Concen: 6.090 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Instrument :
BNA_F
ClientSampleId :
S8A(2-10)COMP

Tgt Ion:163 Resp: 101251
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.1 12.1

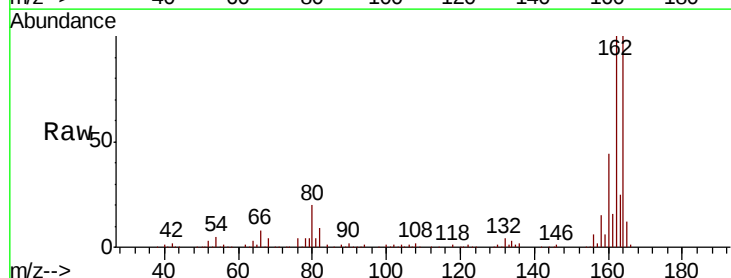


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

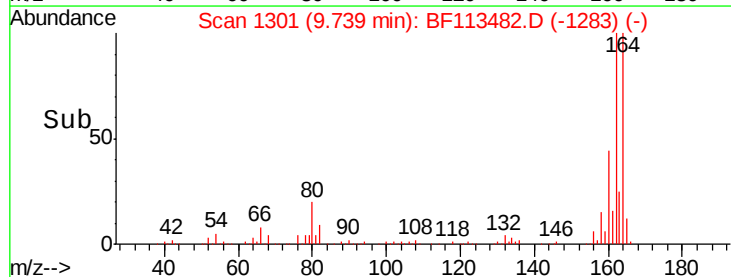
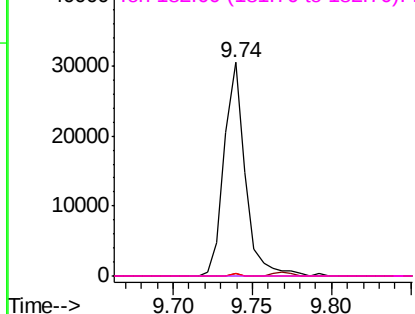


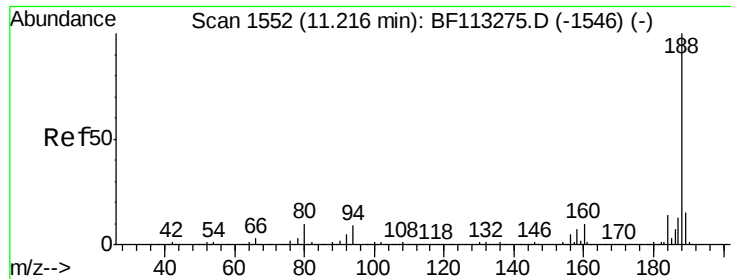
#57
2,4-Dinitrotoluene
Concen: 5.921 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.19 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion:165 Resp: 28240
Ion Ratio Lower Upper
165 100
63 1.1 37.5 56.3#
89 1.3 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

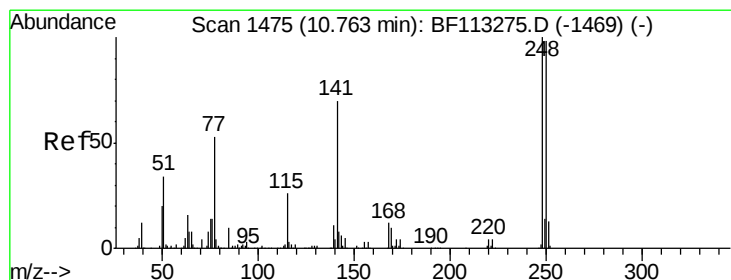
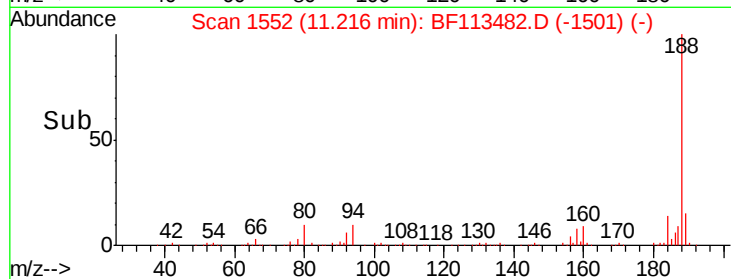
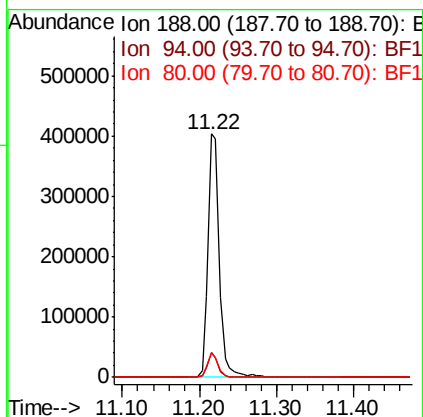
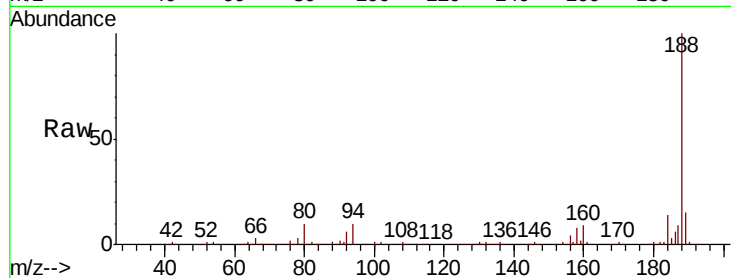




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

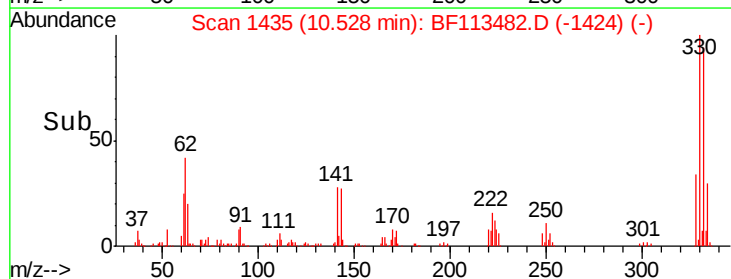
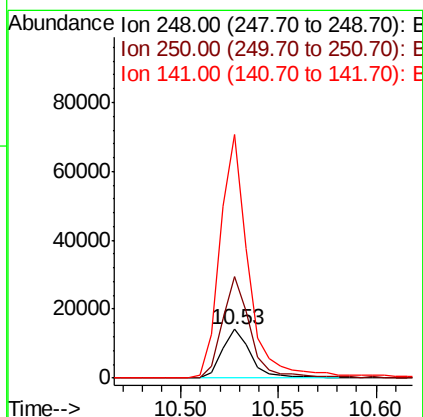
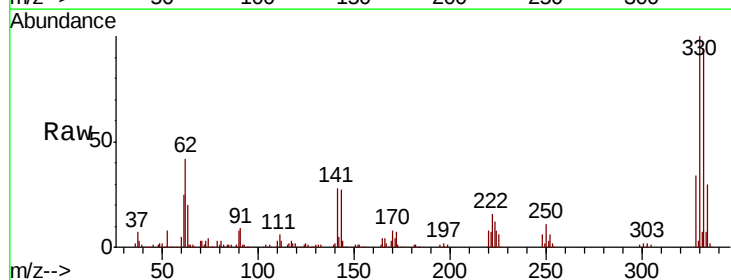
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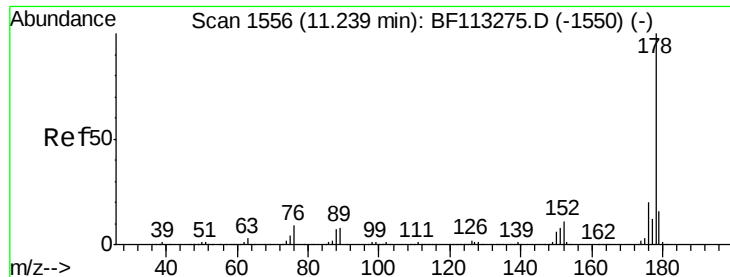
Tgt Ion:188 Resp: 413016
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.0 10.6
 80 10.4 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.210 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

Tgt Ion:248 Resp: 14451
 Ion Ratio Lower Upper
 248 100
 250 207.8 78.3 117.5#
 141 499.5 56.2 84.4#





#71

Phenanthrene

Concen: 8.193 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

Instrument :

BNA_F

ClientSampleId :

S8A(2-10)COMP

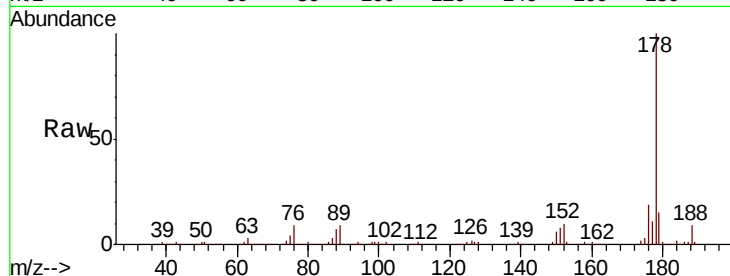
Tgt Ion:178 Resp: 168044

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

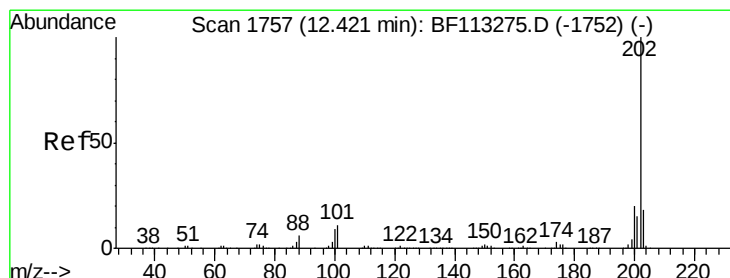
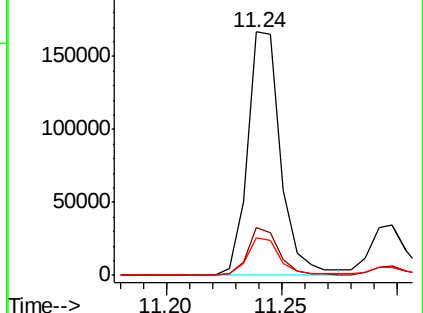
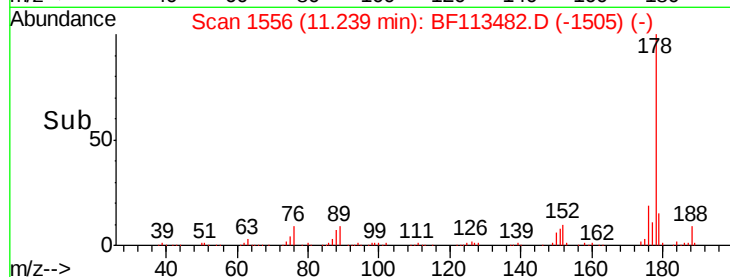
179 15.2 12.7 19.1



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: 9.293 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

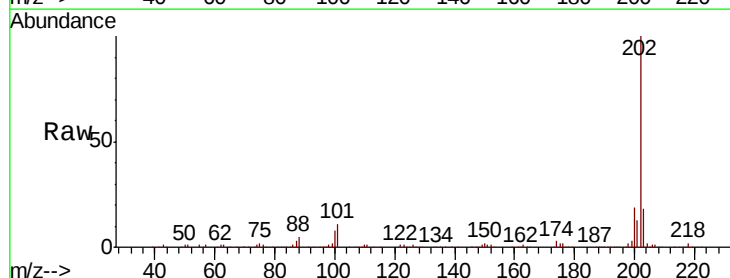
Tgt Ion:202 Resp: 215466

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

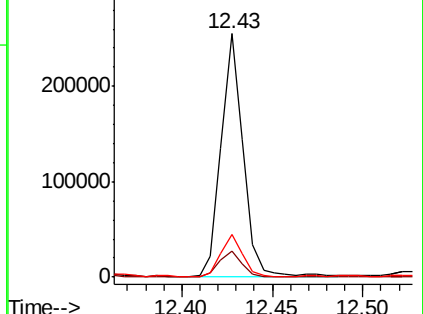
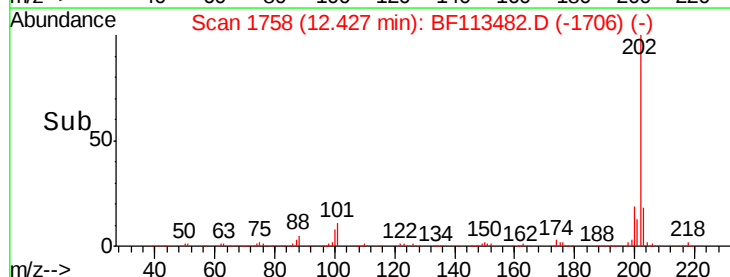
203 17.6 0.0 38.0

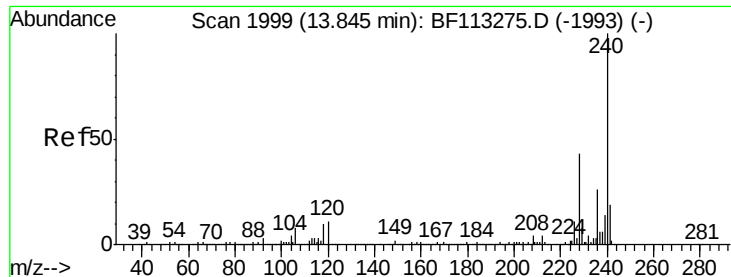


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

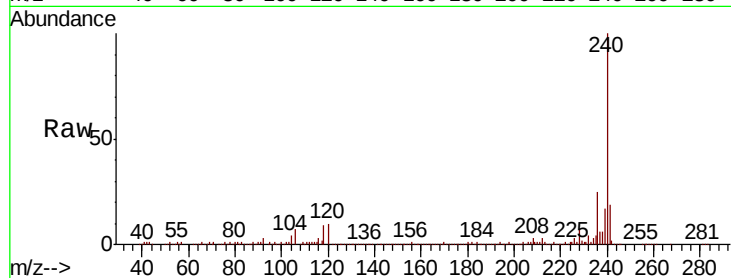




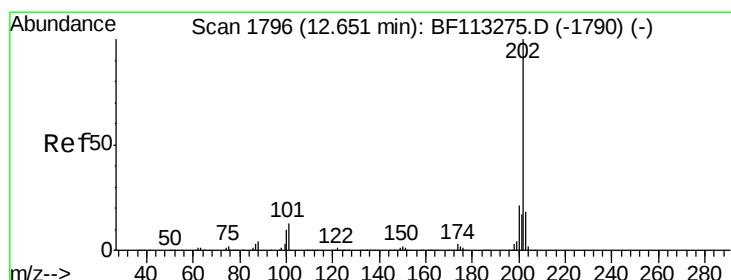
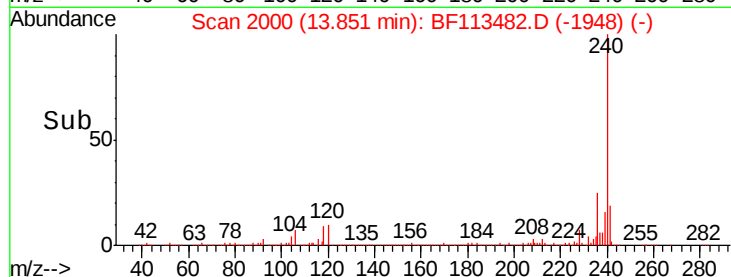
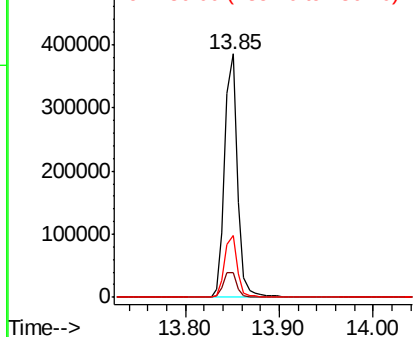
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Instrument :
BNA_F
ClientSampleId :
S8A(2-10)COMP

Tgt Ion:240 Resp: 369400
Ion Ratio Lower Upper
240 100
120 10.1 8.8 13.2
236 25.4 20.9 31.3

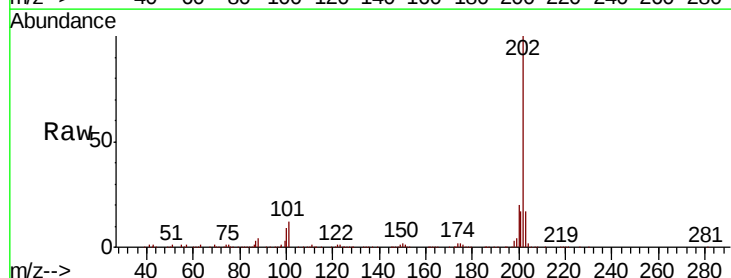


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

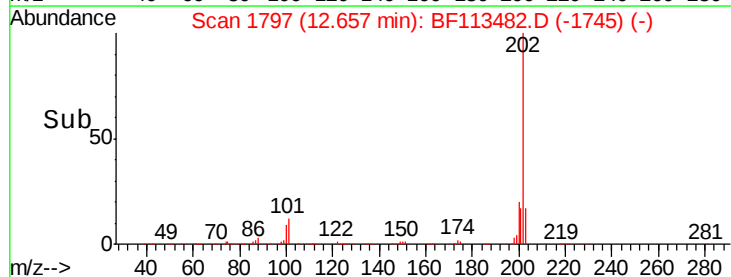
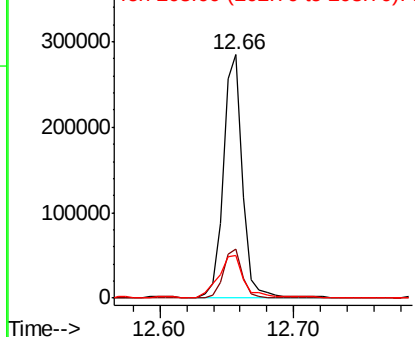


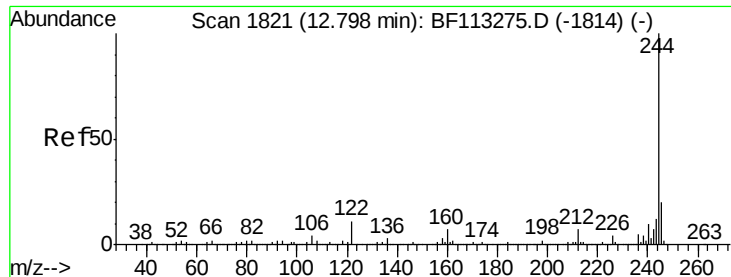
#78
Pyrene
Concen: 11.208 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion:202 Resp: 286916
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

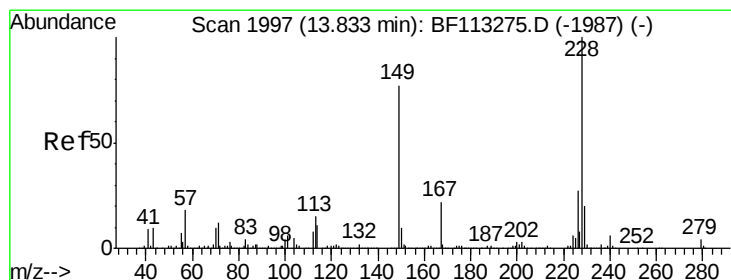
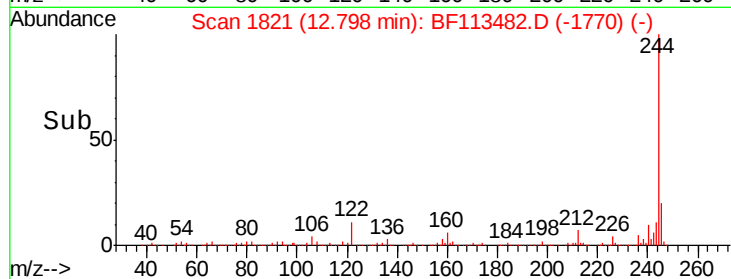
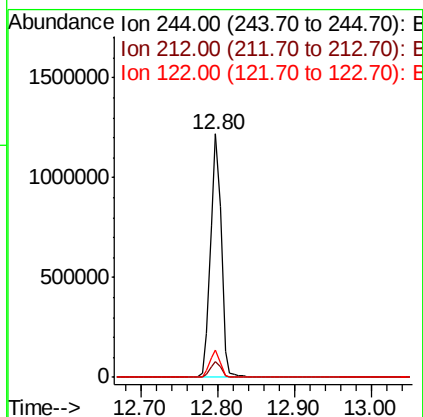
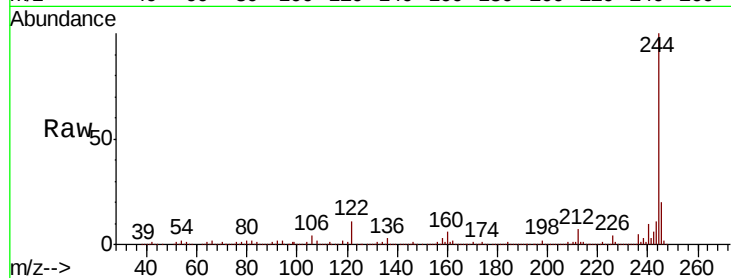




#79
 Terphenyl-d14
 Concen: 69.228 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

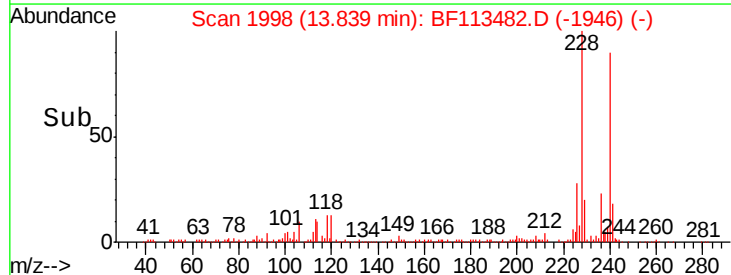
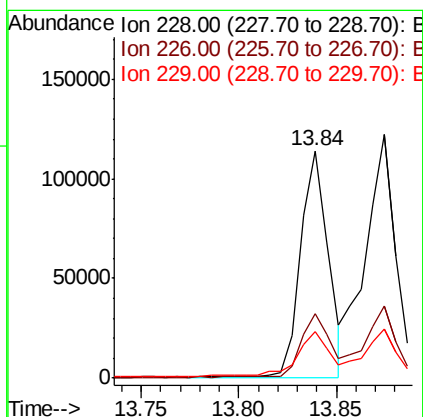
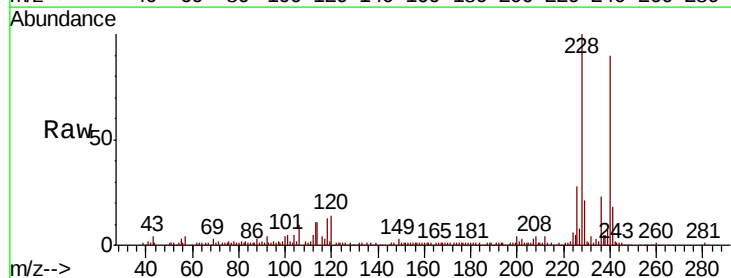
Instrument :
 BNA_F
 ClientSampleId :
 S8A(2-10)COMP

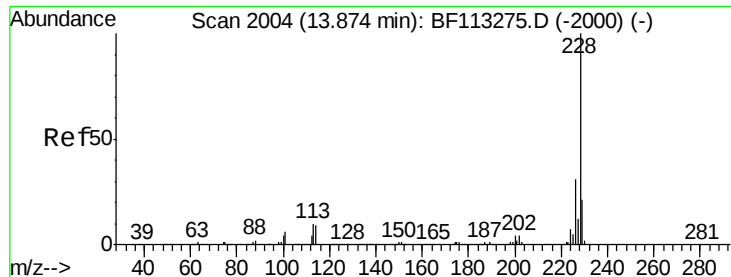
Tgt Ion:244 Resp: 1160205
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 11.2 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 5.260 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF113482.D
 Acq: 1 Apr 2019 22:35

Tgt Ion:228 Resp: 111223
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.8 32.8
 229 20.6 16.2 24.4

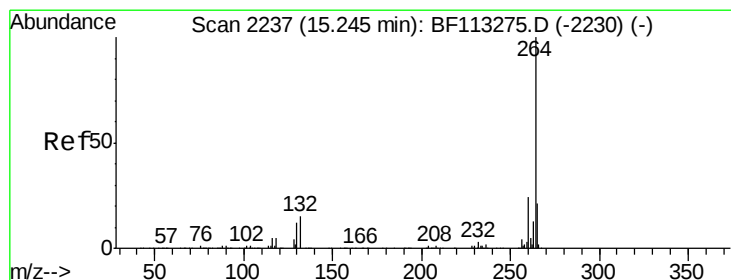
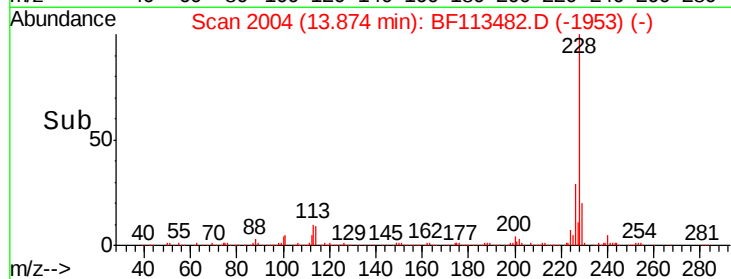
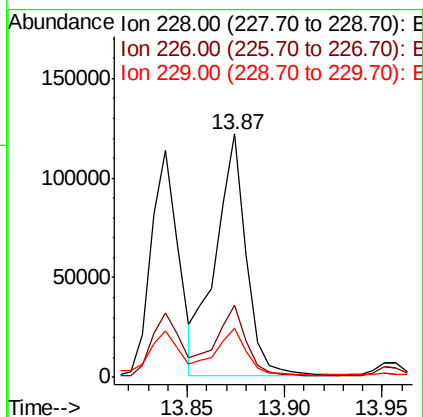
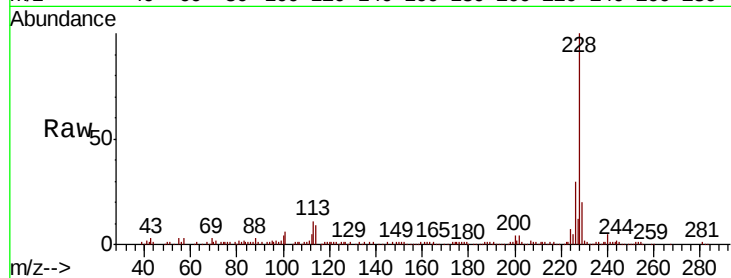




#83
Chrysene
Concen: 6.125 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

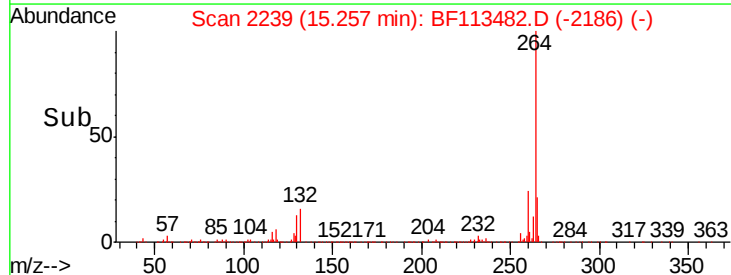
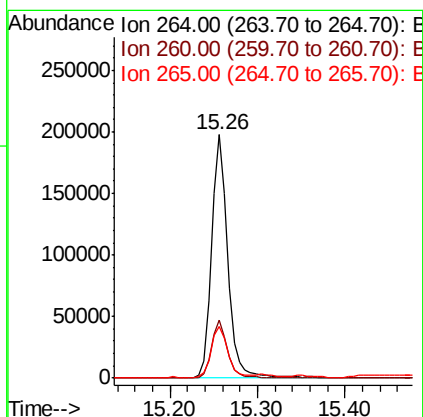
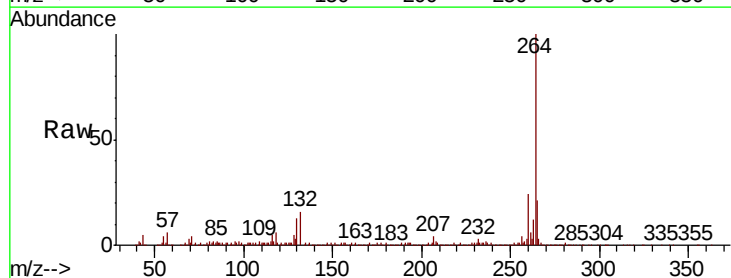
Instrument :
BNA_F
ClientSampleId :
S8A(2-10)COMP

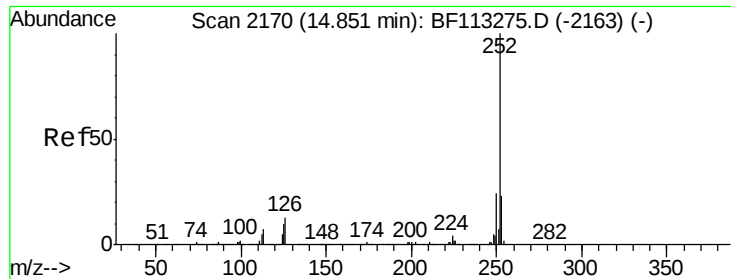
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	20.4	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.3	17.1	25.7

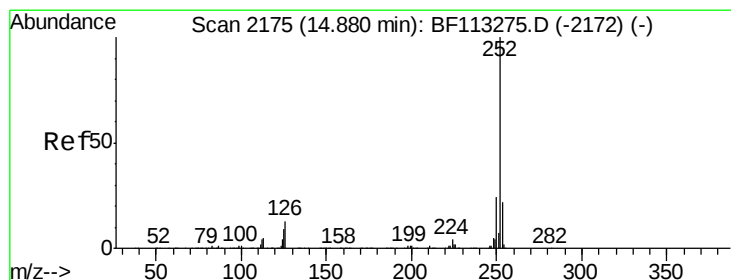
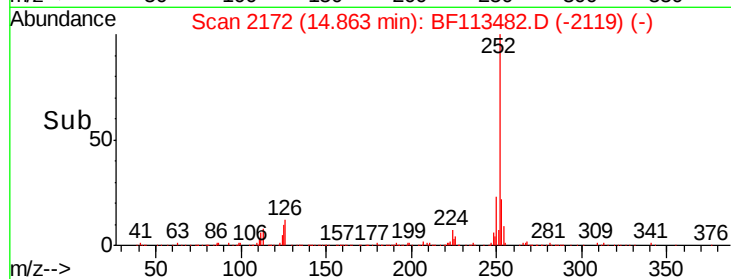
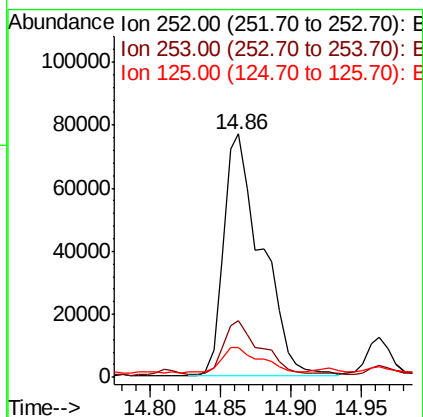
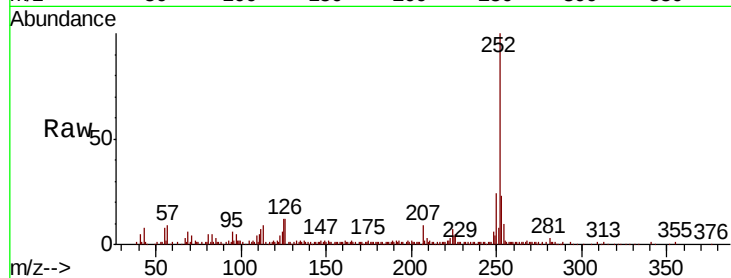




#88
Benzo(b)fluoranthene
Concen: 9.223 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

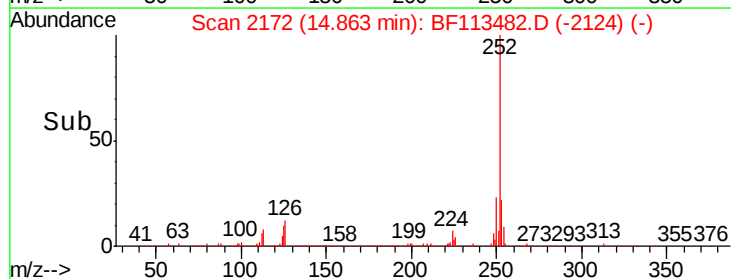
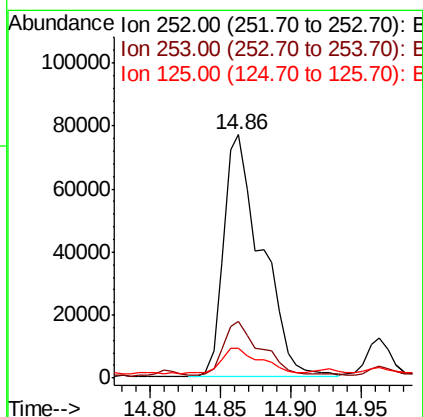
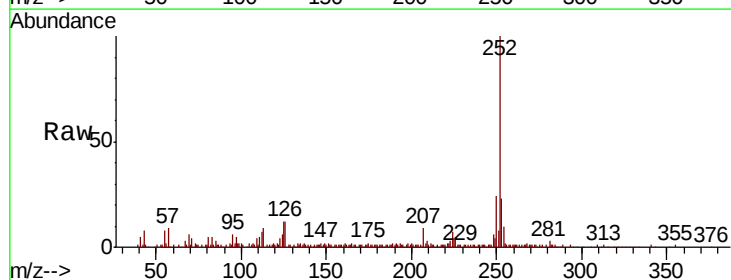
Instrument :
BNA_F
ClientSampleId :
S8A(2-10)COMP

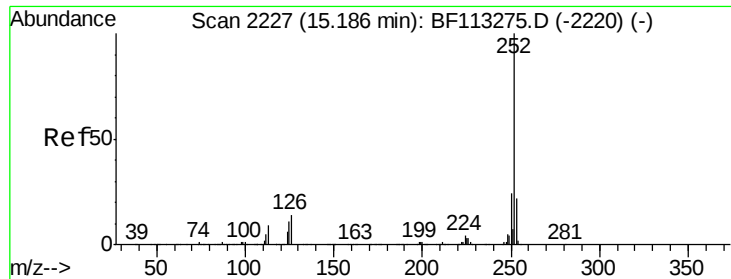
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.2	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 10.503 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113482.D
Acq: 1 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.2	7.3	10.9





#90

Benzo(a)pyrene

Concen: 3.549 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

Instrument :

BNA_F

ClientSampleId :

S8A(2-10)COMP

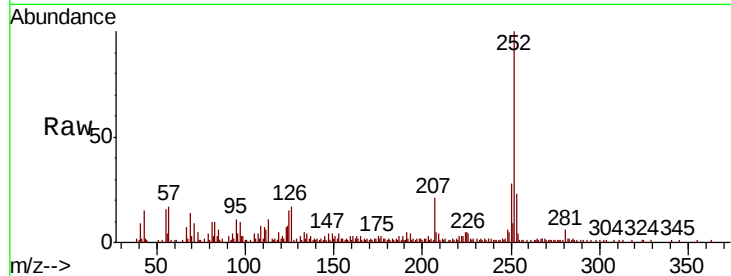
Tgt Ion:252 Resp: 49215

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

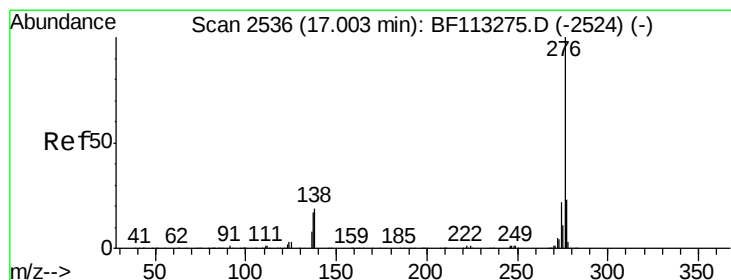
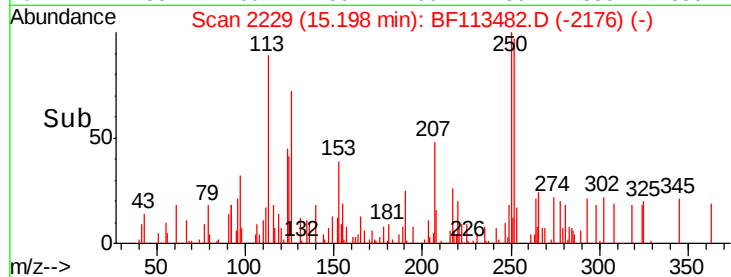
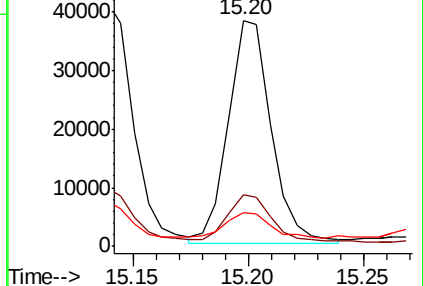
125 15.1 8.8 13.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.580 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.04 min

Lab File: BF113482.D

Acq: 1 Apr 2019 22:35

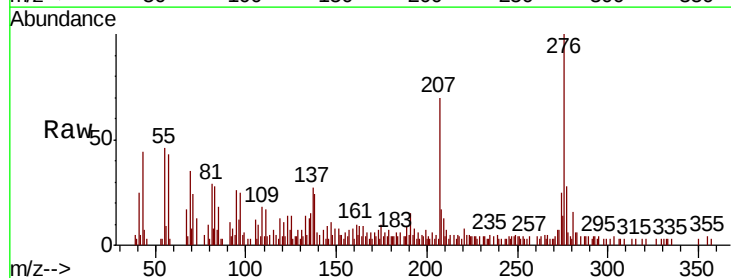
Tgt Ion:276 Resp: 31187

Ion Ratio Lower Upper

276 100

277 27.6 18.8 28.2

138 24.5 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

