

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111551.D
 Acq On : 17 Dec 2018 20:54
 Operator : JU/SJ
 Sample : J6403-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Quant Time: Dec 18 04:11:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	126154	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	515870	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	241044	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	401762	20.00	ng	0.00
76) Chrysene-d12	13.95	240	244699	20.00	ng	0.00
87) Perylene-d12	15.39	264	253668	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	658470	86.86	ng	0.00
7) Phenol-d6	6.44	99	847852	84.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	509115	58.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	172380	79.83	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	882158	56.53	ng	-0.01
79) Terphenyl-d14	12.89	244	628500	60.31	ng	0.00

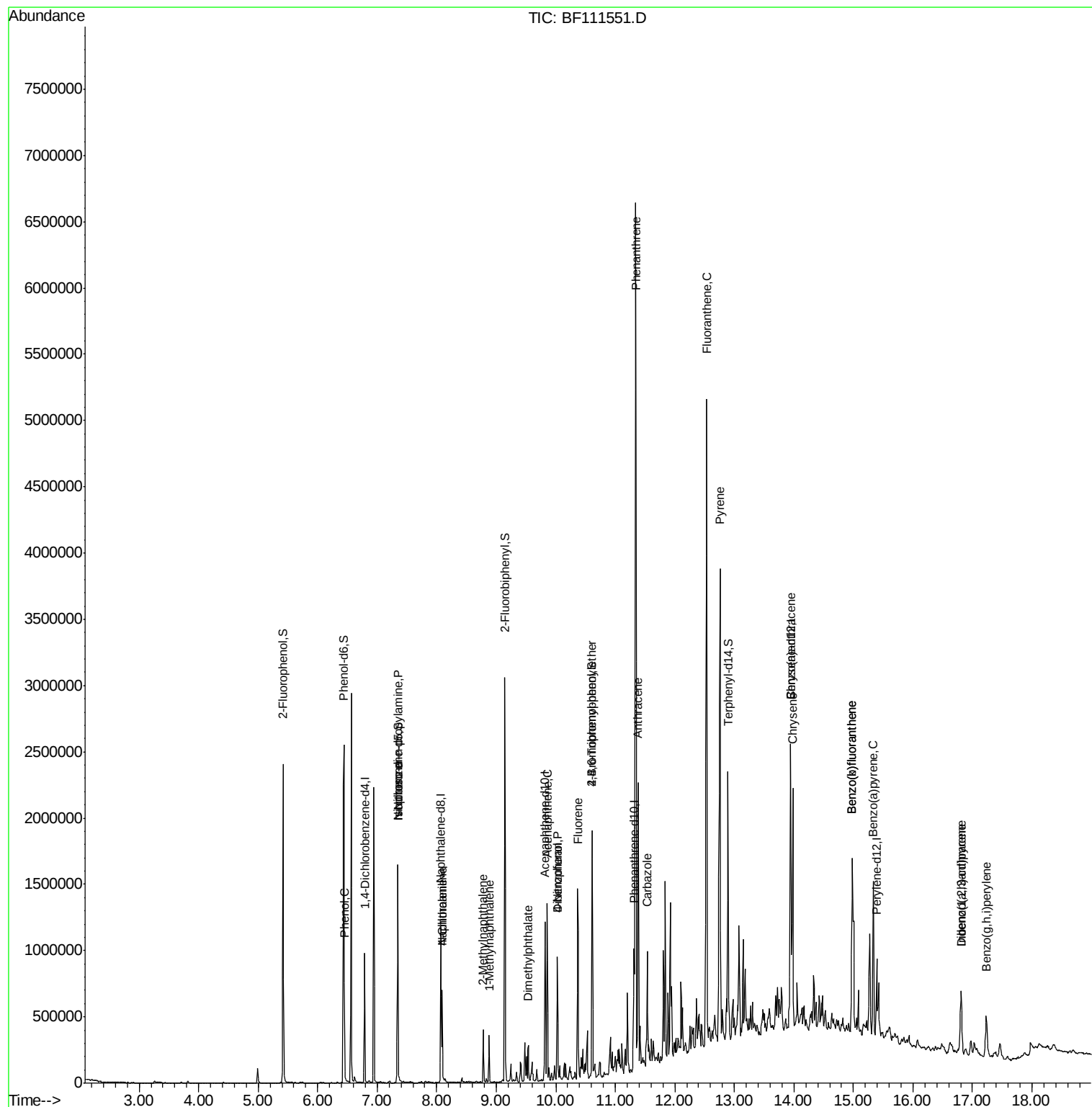
Target Compounds					Qvalue	
10) Phenol	6.45	94	52520	4.675	ng	94
19) n-Nitroso-di-n-propylamine	7.35	70	68052	10.229	ng	# 84
25) Isophorone	7.35	82	509106	34.732	ng	# 64
31) Naphthalene	8.09	128	308941	12.804	ng	95
33) 4-Chloroaniline	8.09	127	38832	3.619	ng	# 34
37) 2-Methylnaphthalene	8.78	142	103630	6.347	ng	97
38) 1-Methylnaphthalene	8.88	142	84738	5.372	ng	98
50) Dimethylphthalate	9.54	163	104786	6.036	ng	97
52) Acenaphthene	9.86	154	262025	17.990	ng	99
55) Dibenzofuran	10.03	168	299174	14.151	ng	98
56) 4-Nitrophenol	10.03	139	115012	35.016	ng	# 9
58) Fluorene	10.37	166	395767	25.809	ng	97
67) 4-Bromophenyl-phenylether	10.62	248	11835	2.733	ng	# 1
71) Phenanthrene	11.35	178	2891099	139.653	ng	96
72) Anthracene	11.39	178	815609	38.524	ng	95
73) Carbazole	11.54	167	312286	14.264	ng	95
75) Fluoranthene	12.53	202	2273331	112.248	ng	99
78) Pyrene	12.76	202	1833082	106.253	ng	98
81) Benzo(a)anthracene	13.94	228	814071	61.184	ng	98
83) Chrysene	13.98	228	697024	49.729	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	304601	30.111	ng	# 86
88) Benzo(b)fluoranthene	14.98	252	1050492	71.031	ng	100
89) Benzo(k)fluoranthene	14.98	252	1050492	74.338	ng	100
90) Benzo(a)pyrene	15.33	252	599035	44.917	ng	95
91) Dibenzo(a,h)anthracene	16.82	278	81051	7.704	ng	95
92) Benzo(g,h,i)perylene	17.23	276	258579	25.041	ng	# 93

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

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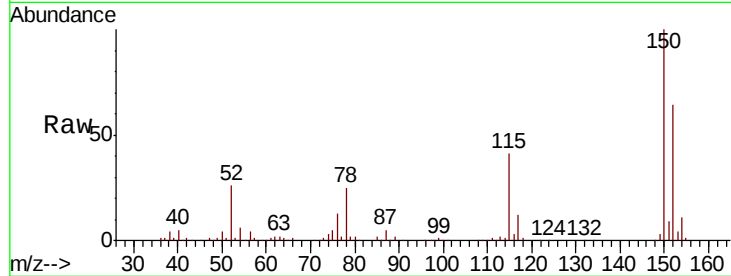


#1

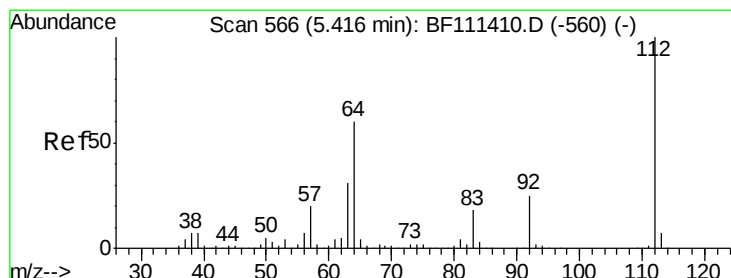
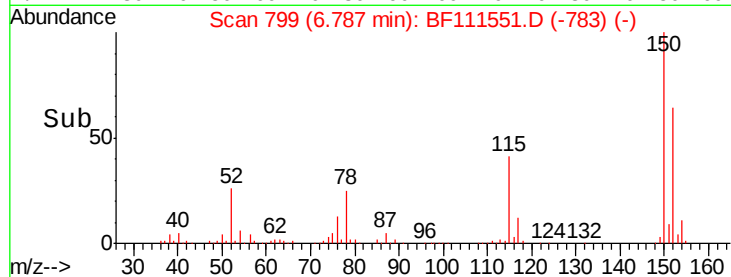
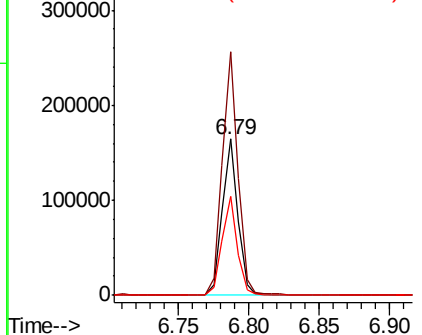
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.6	189.8
115	63.3	50.7	76.1



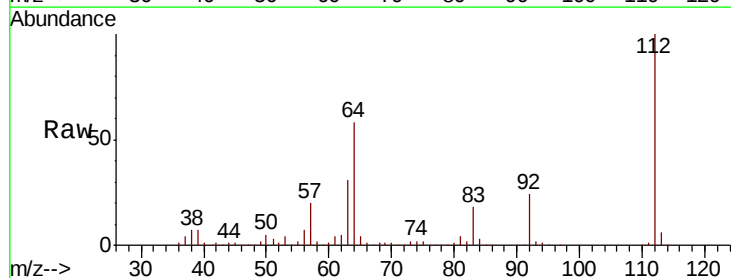
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



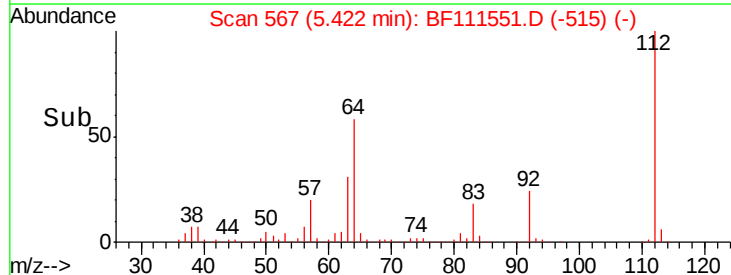
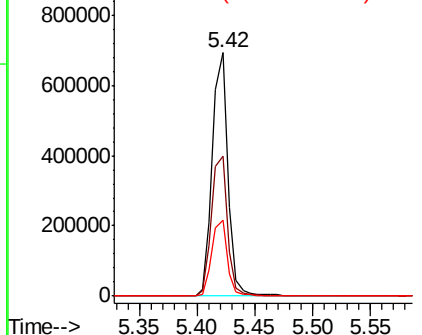
#5

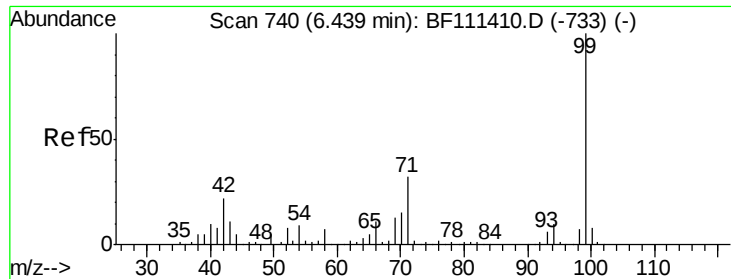
2-Fluorophenol
 Concen: 86.857 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	51.8	77.6
63	31.0	26.8	40.2



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: 84.077 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleID :

TP-2-A

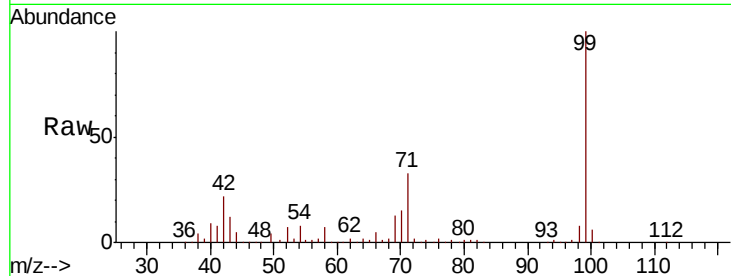
Tgt Ion: 99 Resp: 847852

Ion Ratio Lower Upper

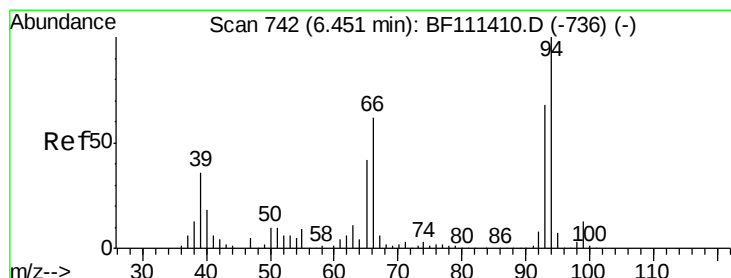
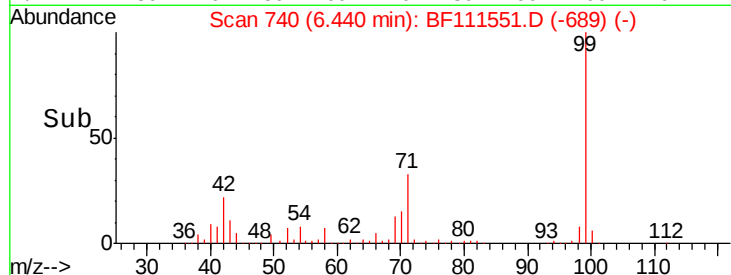
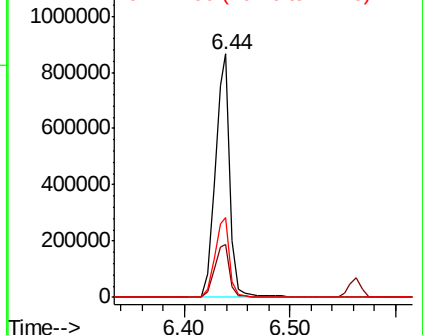
99 100

42 21.5 17.4 26.0

71 32.9 26.1 39.1



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: 4.675 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

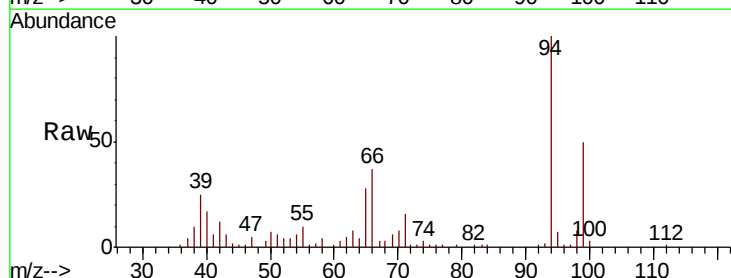
Tgt Ion: 94 Resp: 52520

Ion Ratio Lower Upper

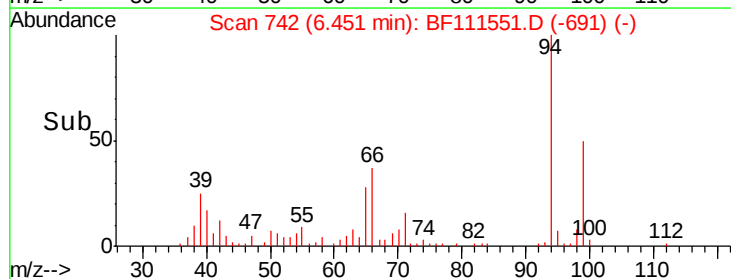
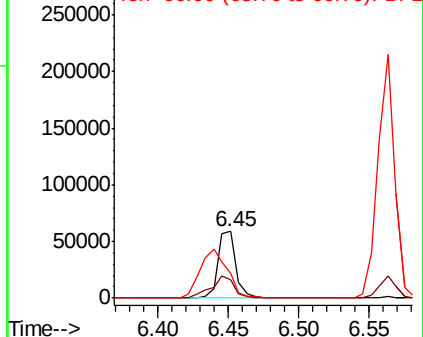
94 100

65 28.4 11.7 51.7

66 36.8 21.0 61.0



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

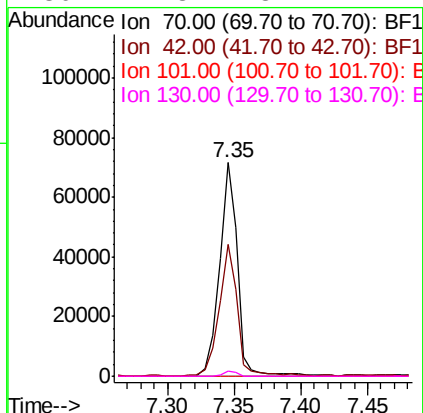
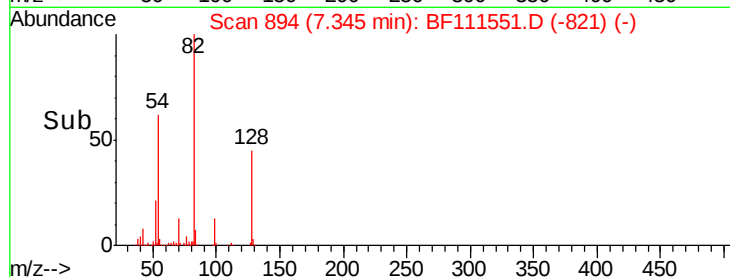
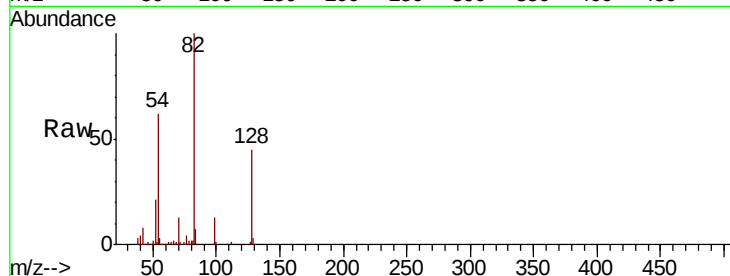




#19
n-Nitroso-di-n-propylamine
Concen: 10.229 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.13 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

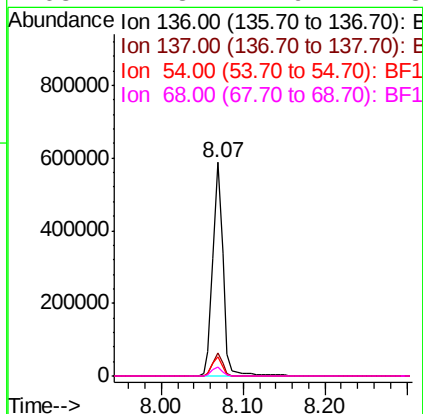
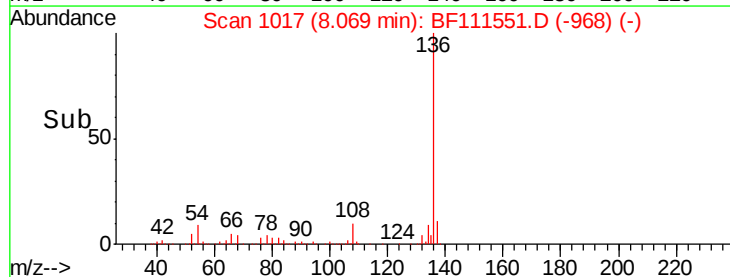
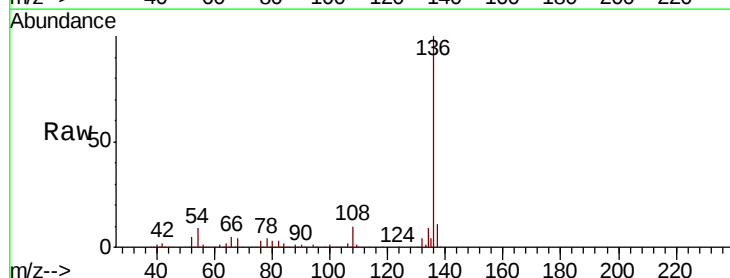
Instrument :
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TP-2-A

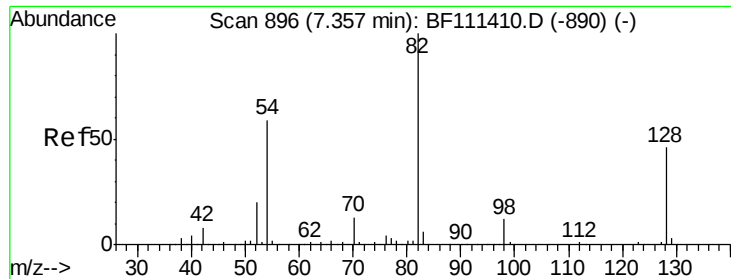
Tgt Ion: 70 Resp: 68052
Ion Ratio Lower Upper
70 100
42 62.0 53.2 79.8
101 0.0 8.2 12.4#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Tgt Ion: 136 Resp: 515870
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.2 7.7 11.5
68 4.3 4.9 7.3#

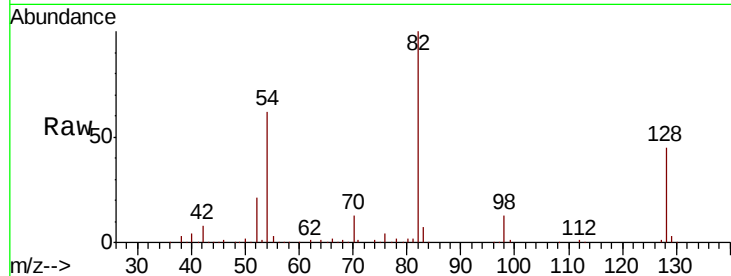




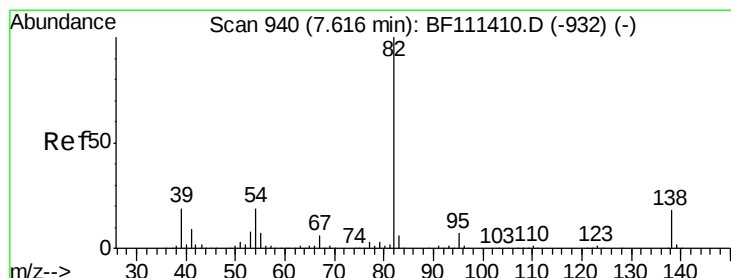
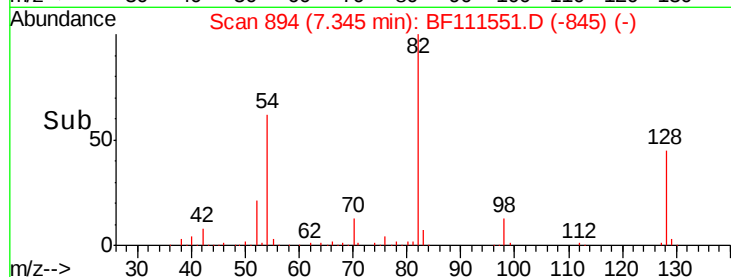
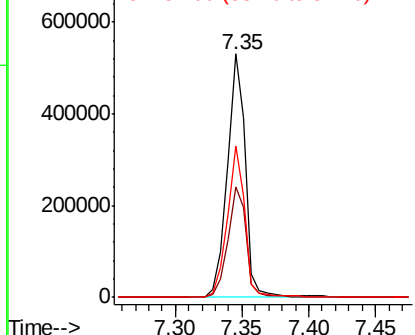
#23
 Nitrobenzene-d5
 Concen: 58.769 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Tgt Ion: 82 Resp: 509115
 Ion Ratio Lower Upper
 82 100
 128 45.2 37.4 56.2
 54 62.0 47.6 71.4

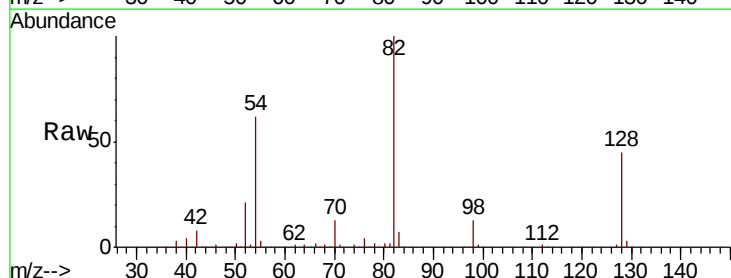


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

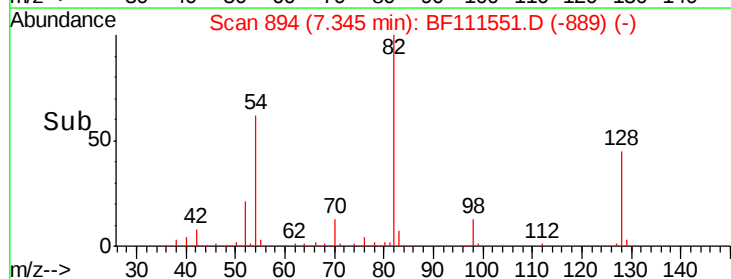
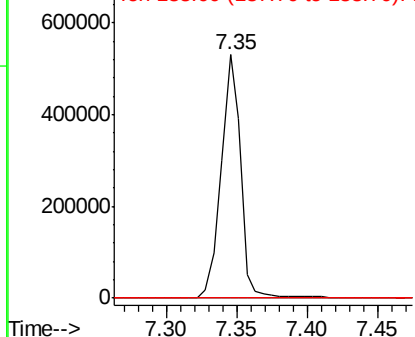


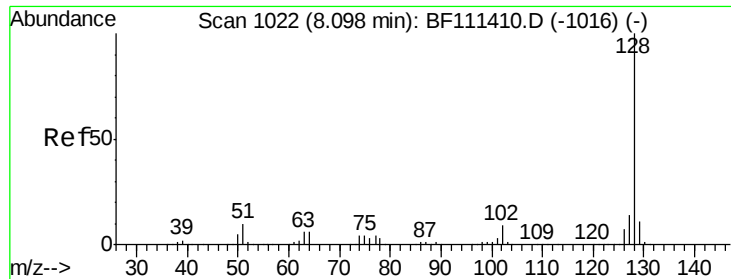
#25
 Isophorone
 Concen: 34.732 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.27 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion: 82 Resp: 509106
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

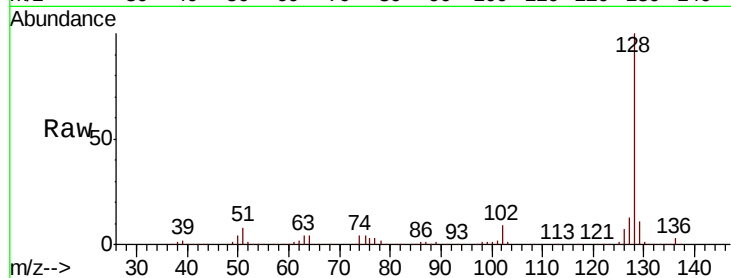




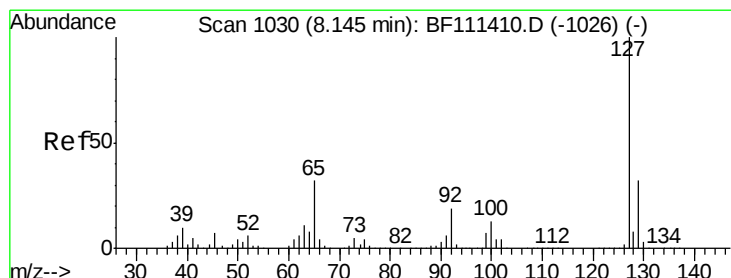
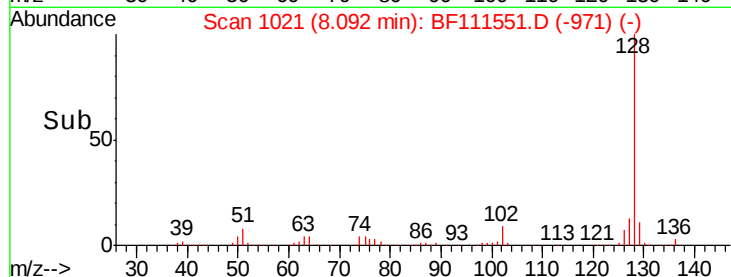
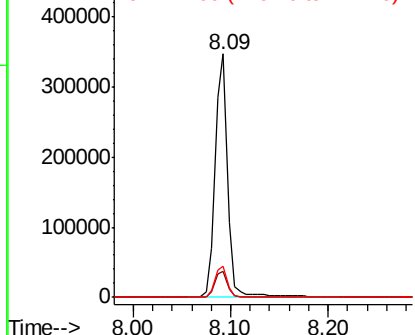
#31
Naphthalene
Concen: 12.804 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tgt Ion:128 Resp: 308941
Ion Ratio Lower Upper
128 100
129 10.5 9.8 14.8
127 12.6 12.0 18.0

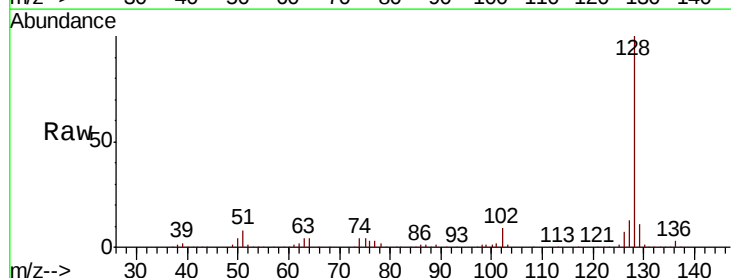


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

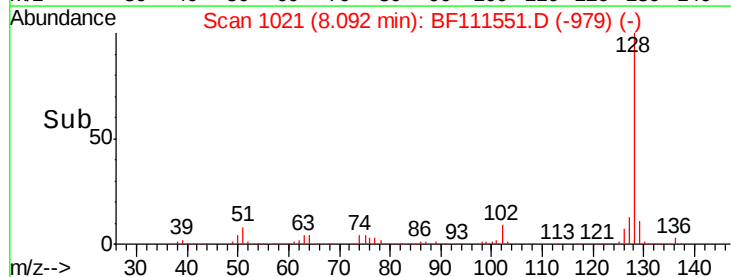
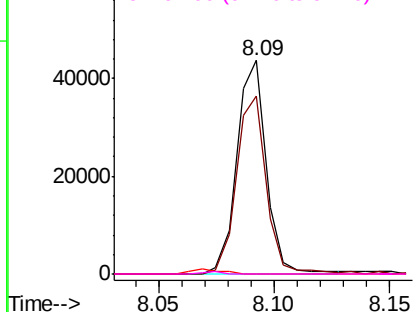


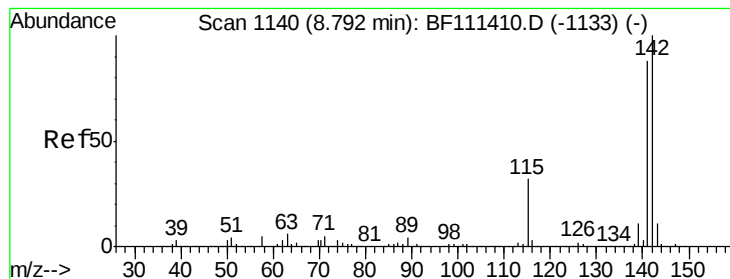
#33
4-Chloroaniline
Concen: 3.619 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Tgt Ion:127 Resp: 38832
Ion Ratio Lower Upper
127 100
129 83.6 26.6 39.8#
65 0.0 25.7 38.5#
92 0.0 15.4 23.2#



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





#37

2-Methylnaphthalene

Concen: 6.347 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

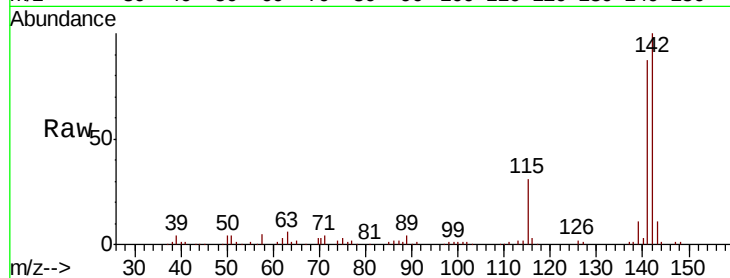
Tgt Ion:142 Resp: 103630

Ion Ratio Lower Upper

142 100

141 86.5 70.6 105.8

115 30.5 27.0 40.6

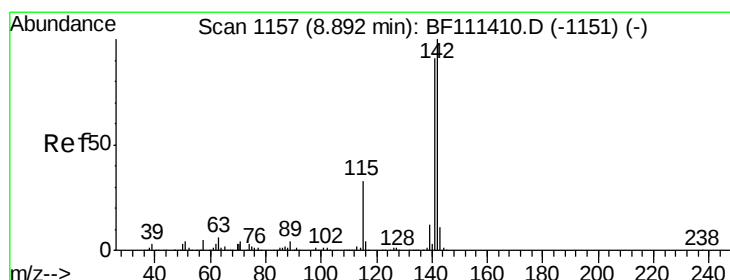
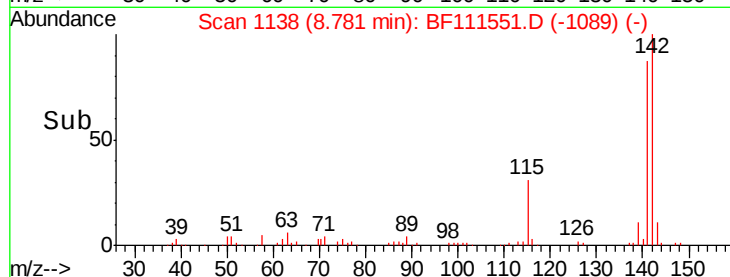
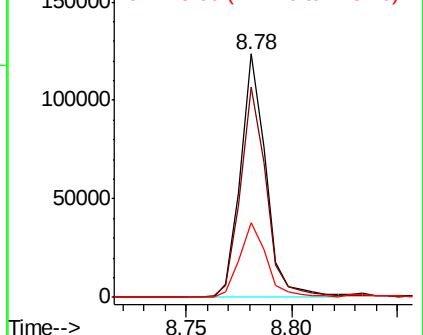


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.372 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

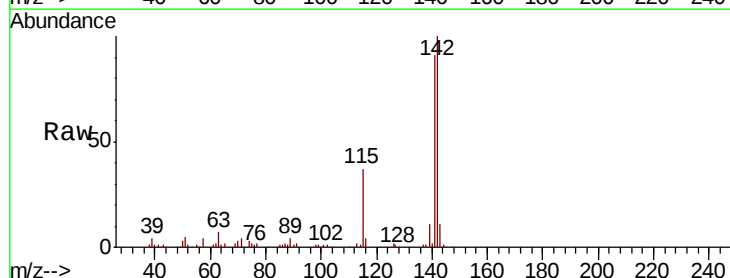
Tgt Ion:142 Resp: 84738

Ion Ratio Lower Upper

142 100

141 90.8 74.2 111.4

116 4.0 2.9 4.3

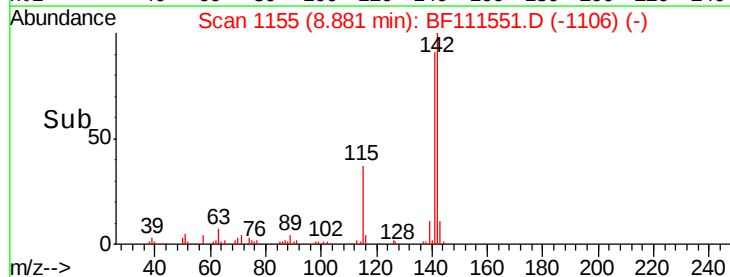
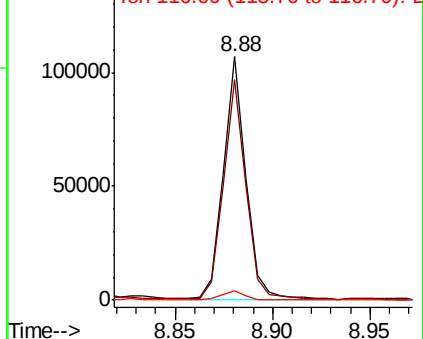


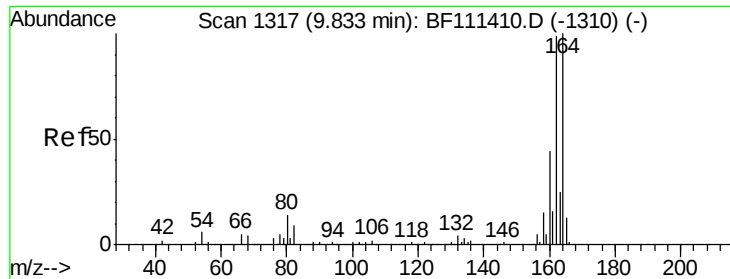
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

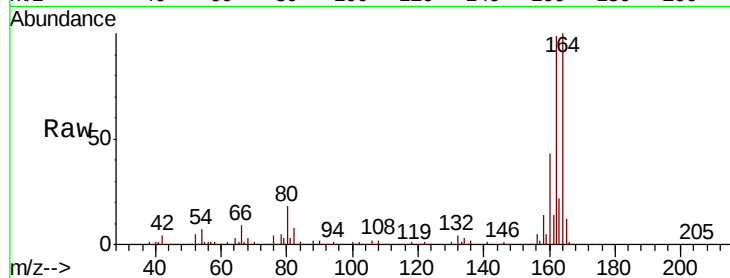




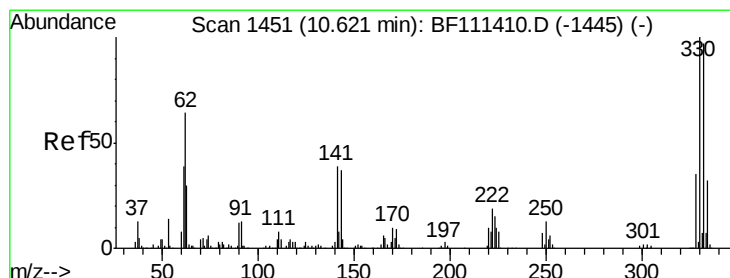
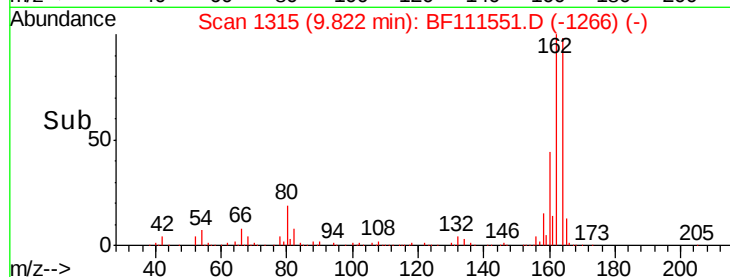
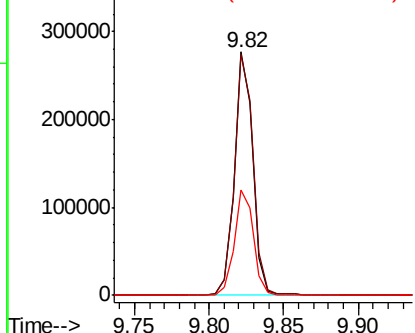
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Tgt Ion:164 Resp: 241044
 Ion Ratio Lower Upper
 164 100
 162 99.0 81.4 122.0
 160 43.3 35.7 53.5

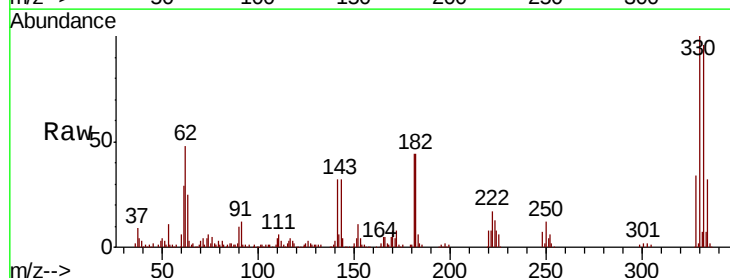


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

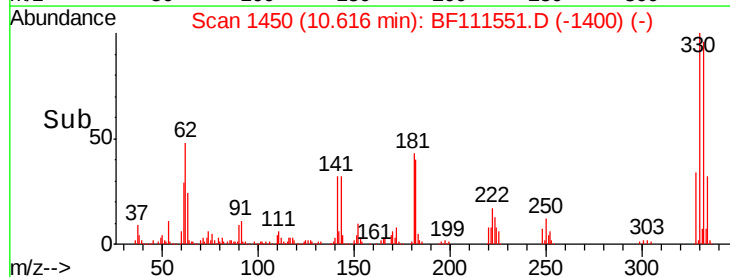
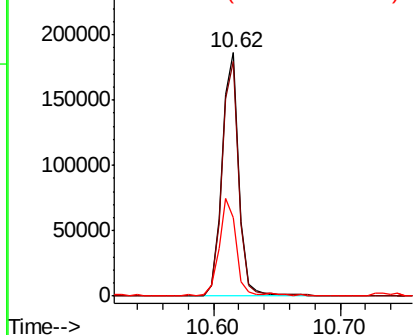


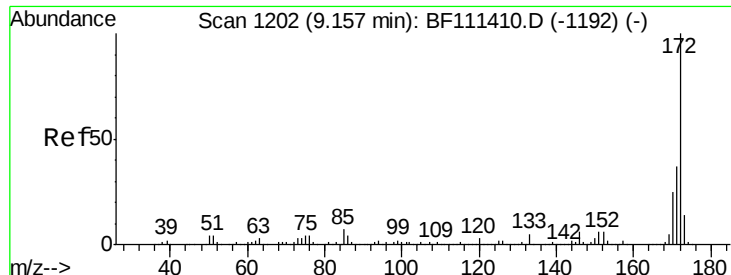
#42
 2,4,6-Tribromophenol
 Concen: 79.834 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion:330 Resp: 172380
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.0 114.0
 141 40.1 31.0 46.6



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

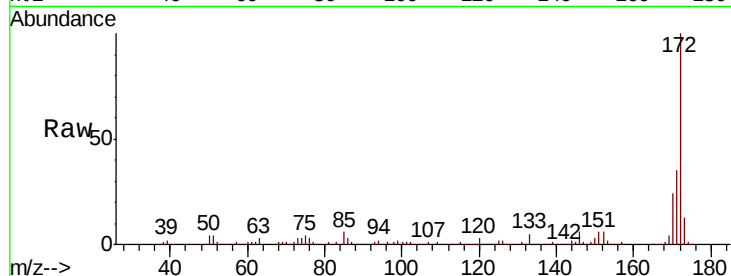




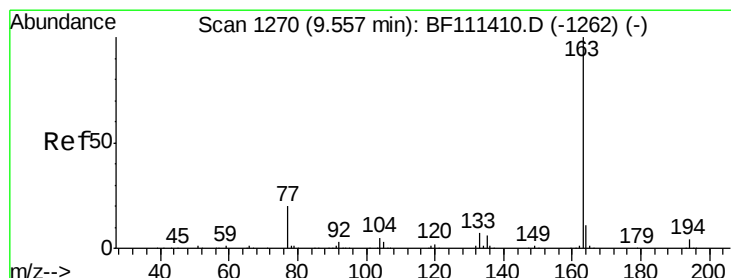
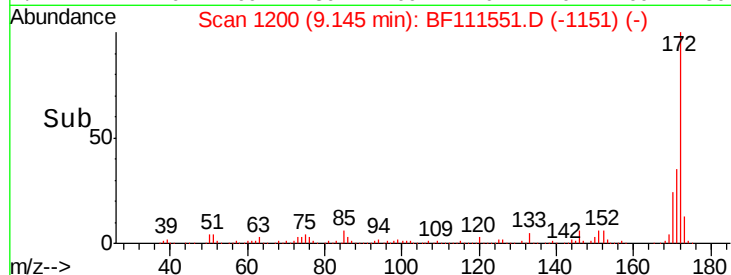
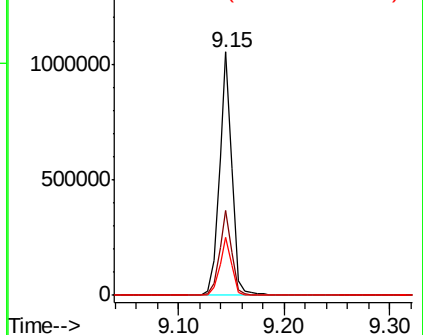
#45
 2-Fluorobiphenyl
 Concen: 56.530 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Instrument :
 BNA_F
 ClientSampled :
 TP-2-A

Tgt Ion:172 Resp: 882158
 Ion Ratio Lower Upper
 172 100
 171 35.0 33.0 49.4
 170 23.9 22.3 33.5

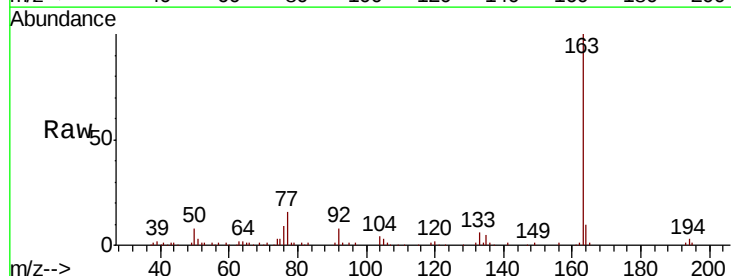


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

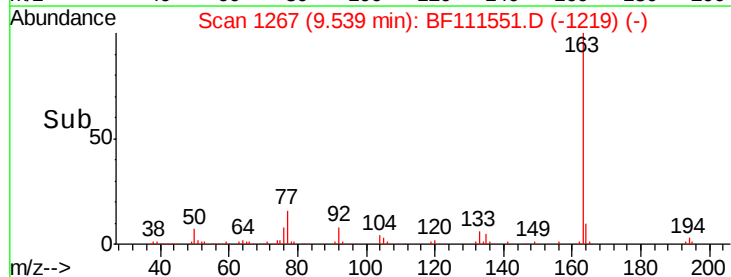
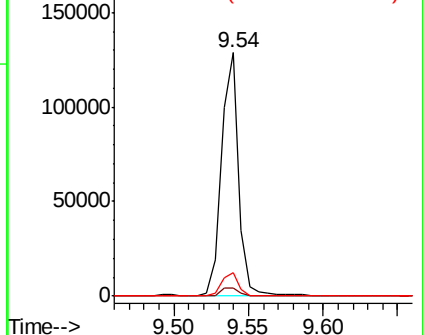


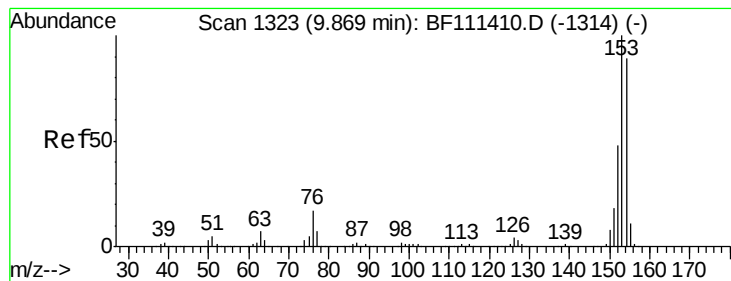
#50
 Dimethylphthalate
 Concen: 6.036 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion:163 Resp: 104786
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.6
 164 9.8 8.9 13.3



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





#52

Acenaphthene

Concen: 17.990 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

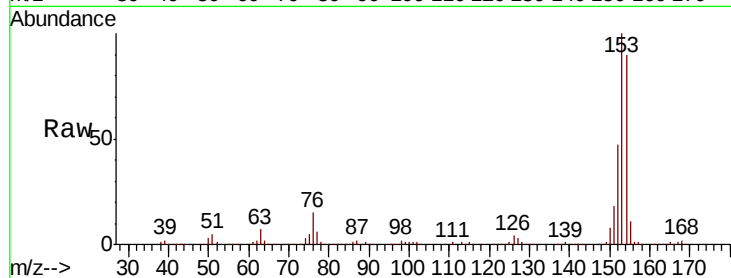
Tgt Ion:154 Resp: 262025

Ion Ratio Lower Upper

154 100

153 111.0 87.8 131.8

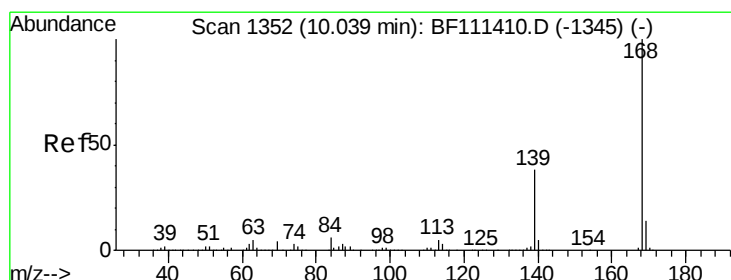
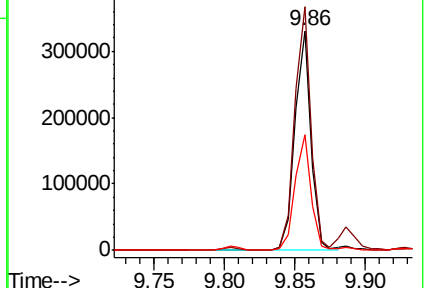
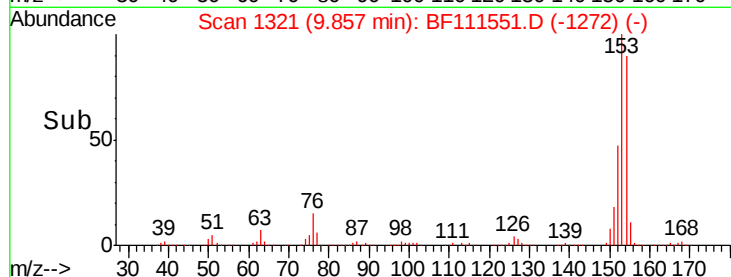
152 52.7 43.4 65.2



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



#55

Dibenzofuran

Concen: 14.151 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

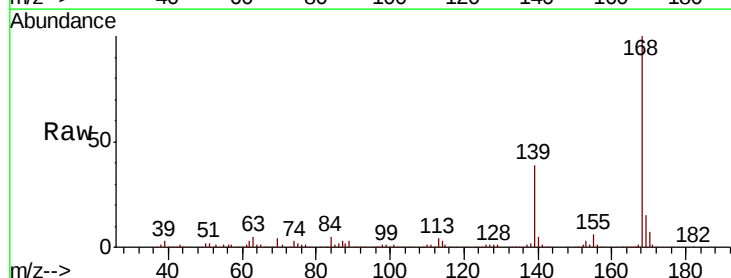
Tgt Ion:168 Resp: 299174

Ion Ratio Lower Upper

168 100

139 39.0 32.6 49.0

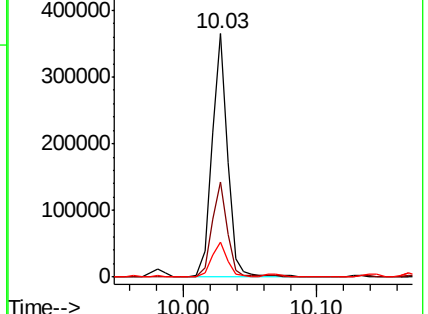
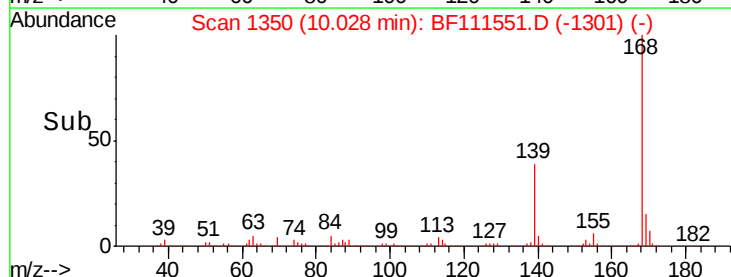
169 14.6 11.8 17.6

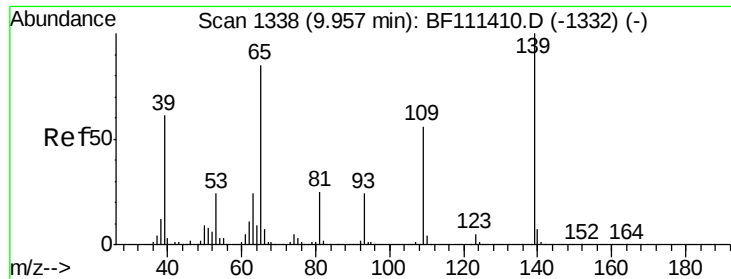


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

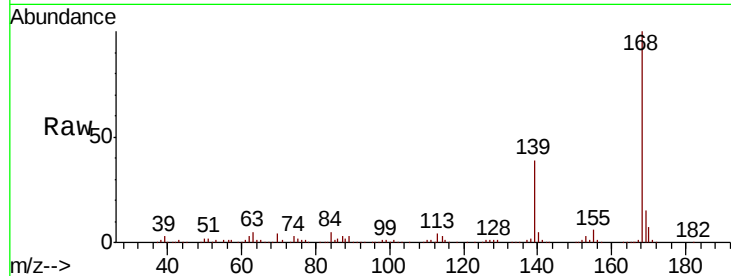




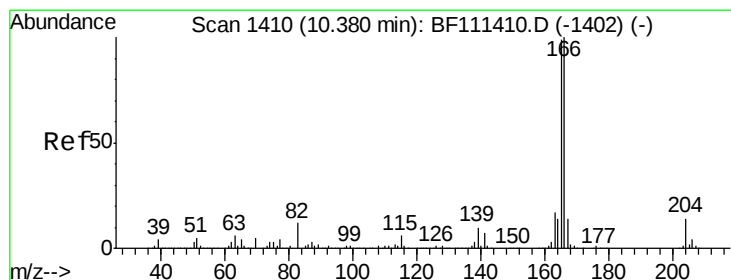
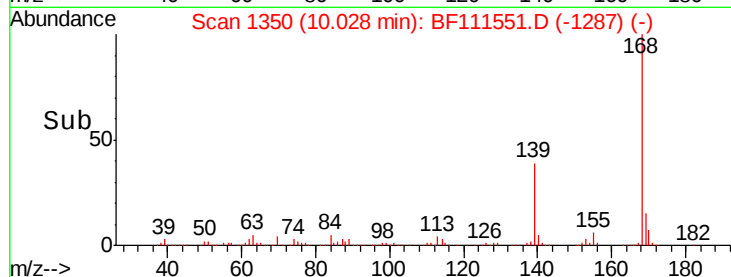
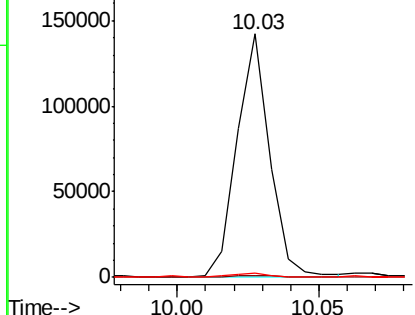
#56
4-Nitrophenol
Concen: 35.016 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.07 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.8	41.8	81.8#
65	1.6	79.6	119.6#

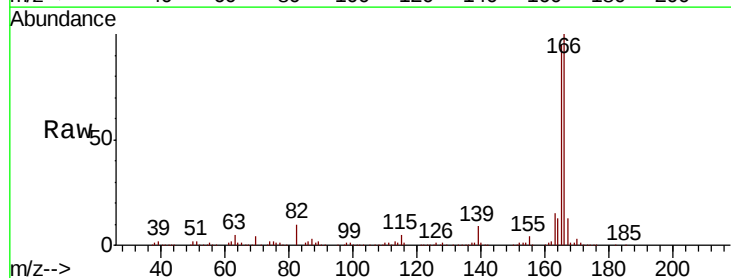


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

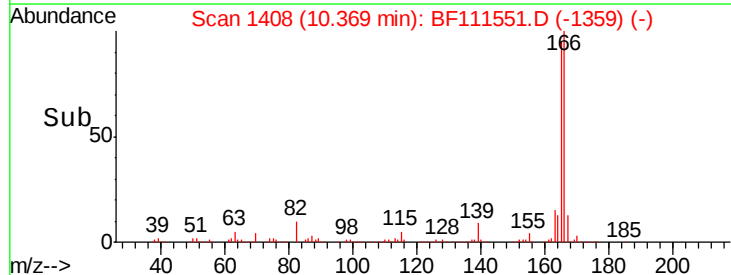
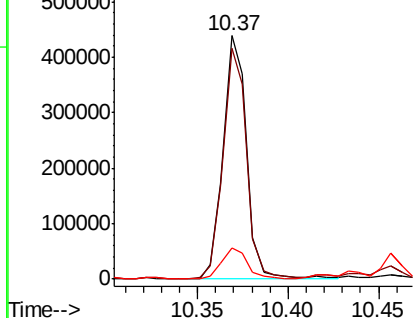


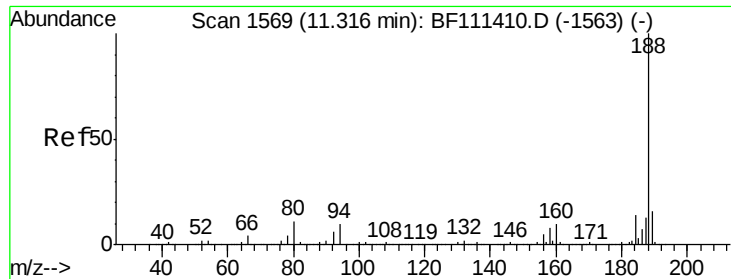
#58
Fluorene
Concen: 25.809 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.4	117.6
167	12.9	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

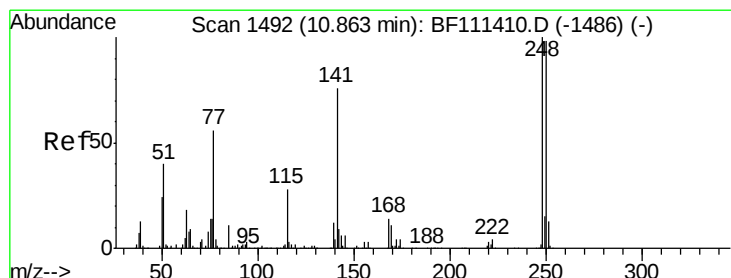
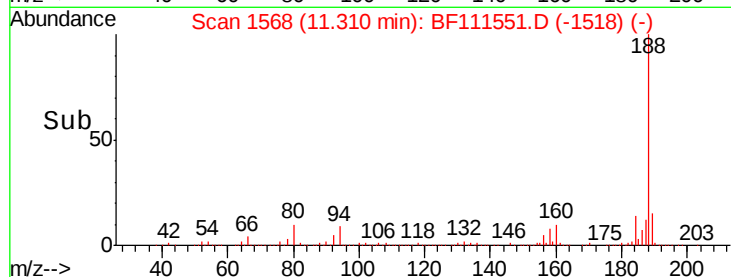
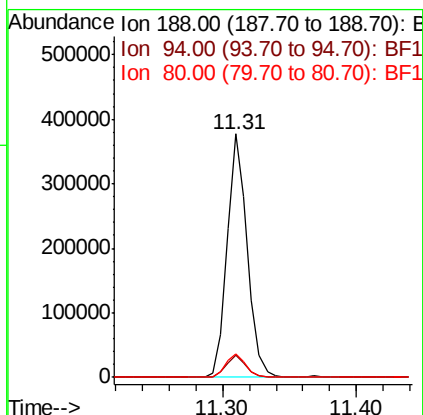
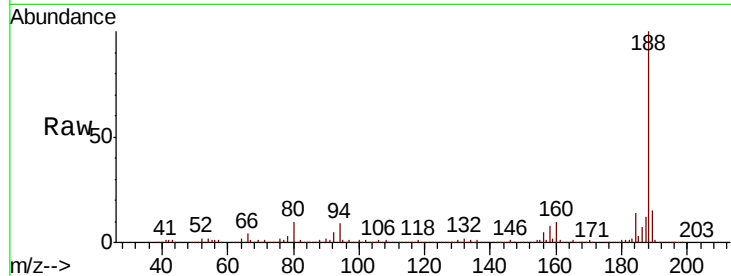




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

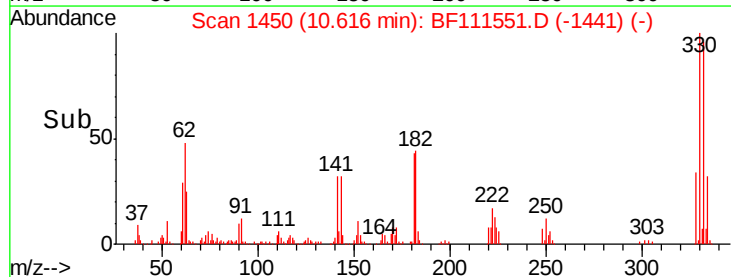
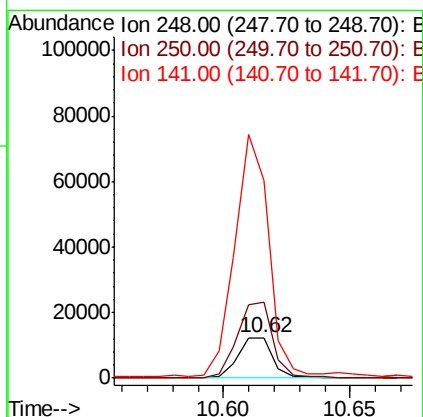
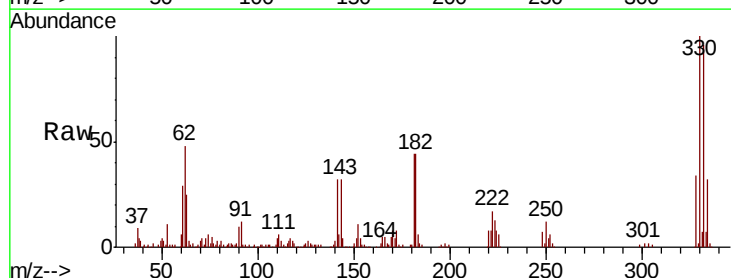
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

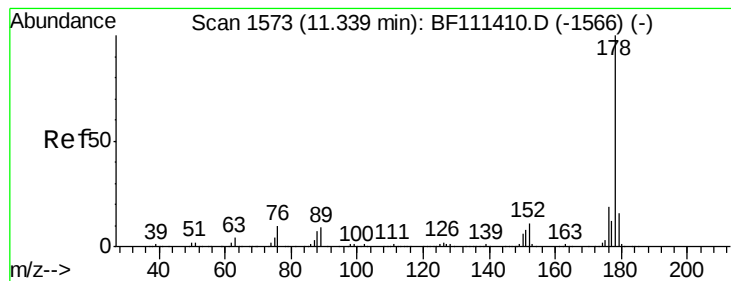
Tgt Ion:188 Resp: 401762
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.6 14.4#
 80 9.6 9.8 14.6#



#67
 4-Bromophenyl-phenylether
 Concen: 2.733 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion:248 Resp: 11835
 Ion Ratio Lower Upper
 248 100
 250 186.4 77.0 115.4#
 141 488.2 63.0 94.6#





#71

Phenanthrene

Concen: 139.653 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

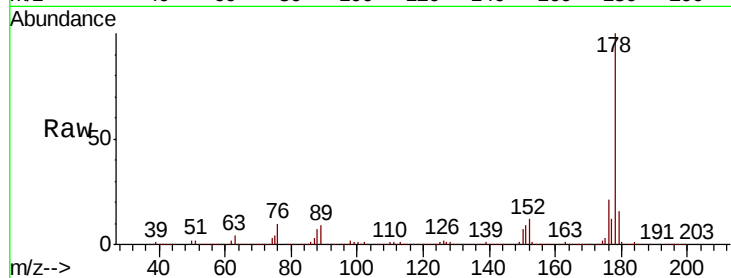
Tgt Ion:178 Resp: 2891099

Ion Ratio Lower Upper

178 100

176 20.6 18.1 27.1

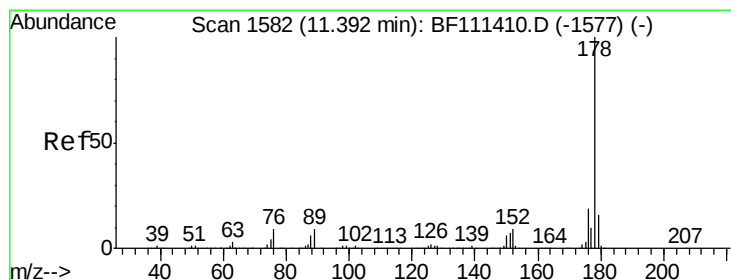
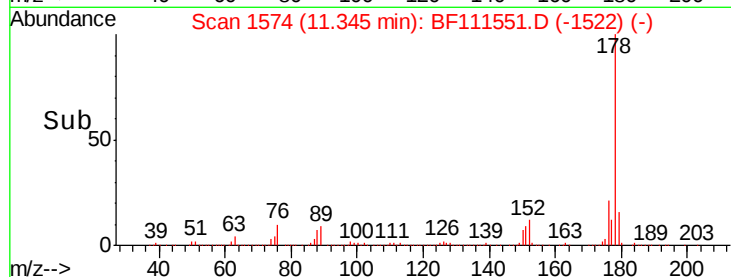
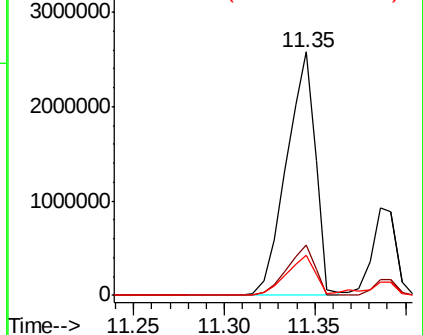
179 16.3 14.0 21.0



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: 38.524 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

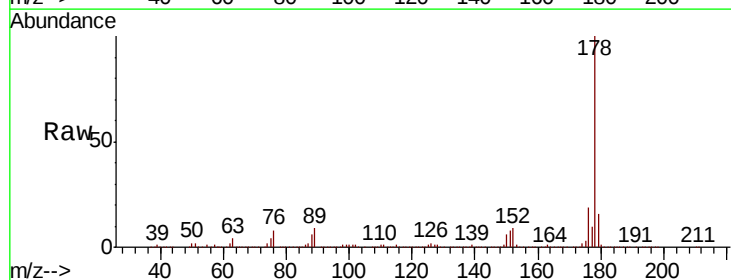
Tgt Ion:178 Resp: 815609

Ion Ratio Lower Upper

178 100

176 18.6 17.2 25.8

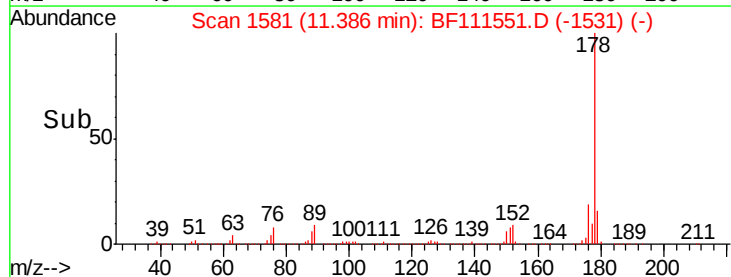
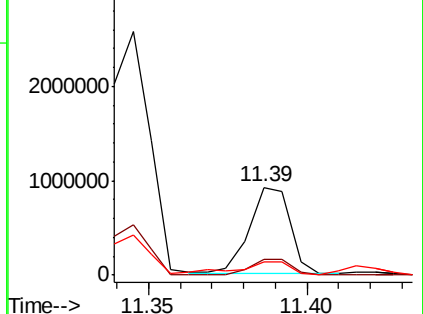
179 15.6 13.8 20.8

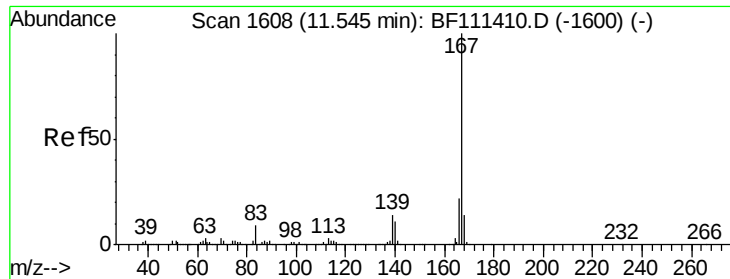


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

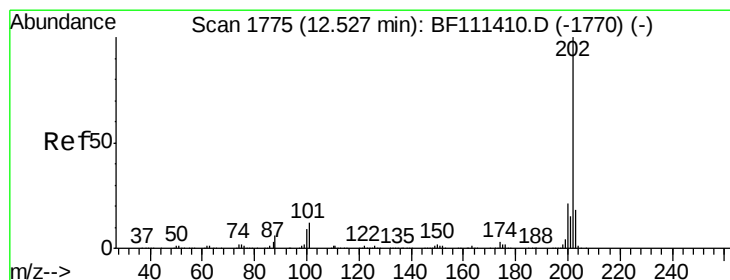
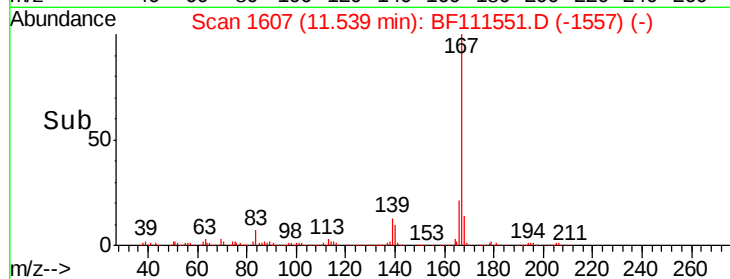
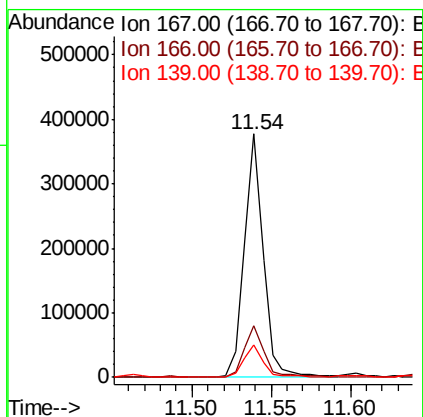
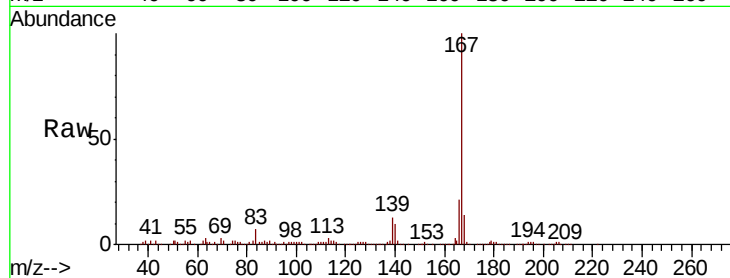




#73
 Carbazole
 Concen: 14.264 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

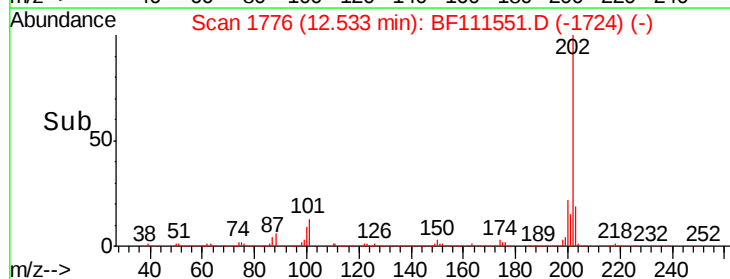
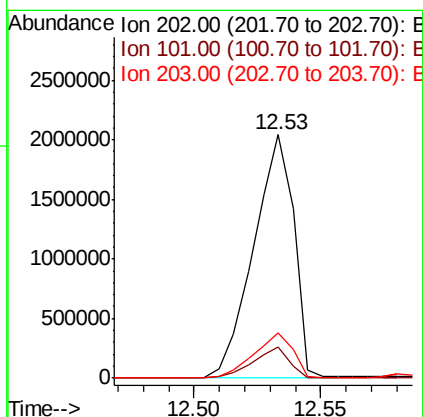
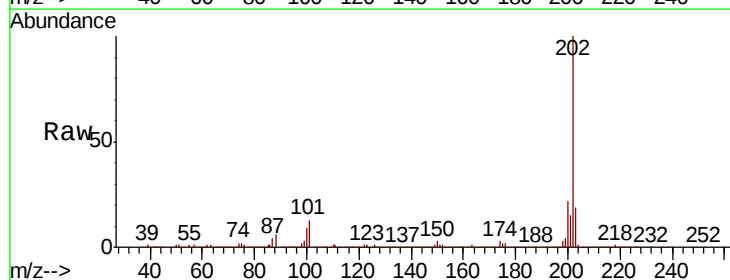
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

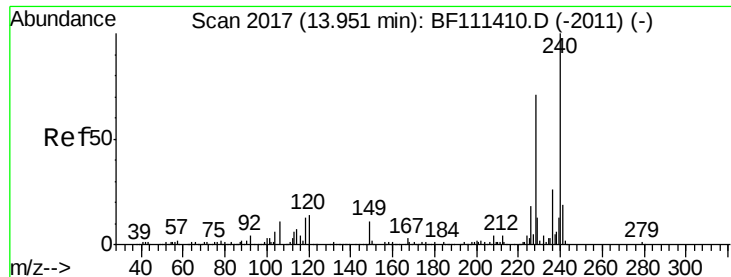
Tgt Ion:167 Resp: 312286
 Ion Ratio Lower Upper
 167 100
 166 21.2 19.3 28.9
 139 13.2 11.9 17.9



#75
 Fluoranthene
 Concen: 112.248 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111551.D
 Acq: 17 Dec 2018 20:54

Tgt Ion:202 Resp: 2273331
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.8
 203 18.5 0.0 38.6

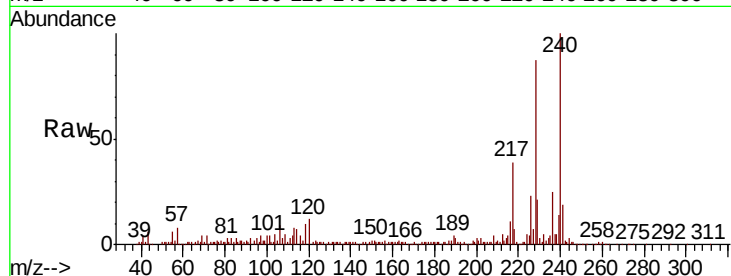




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	12.2	18.2
236	25.3	20.2	30.2

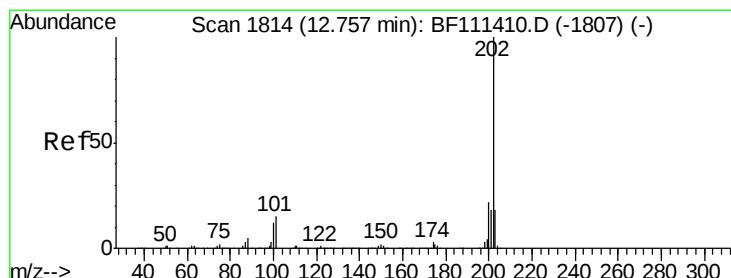
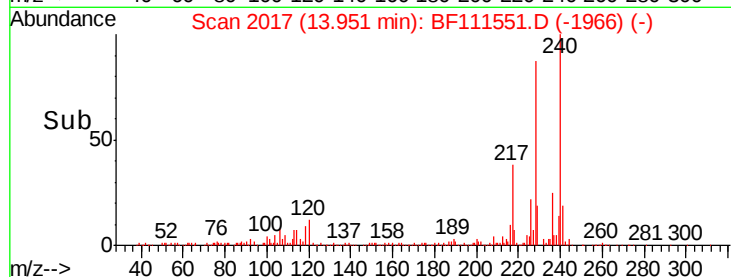
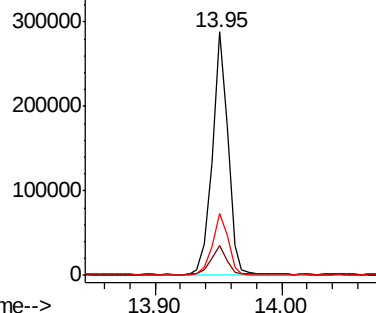


Abundance

Ion 240.00 (239.70 to 240.70): E

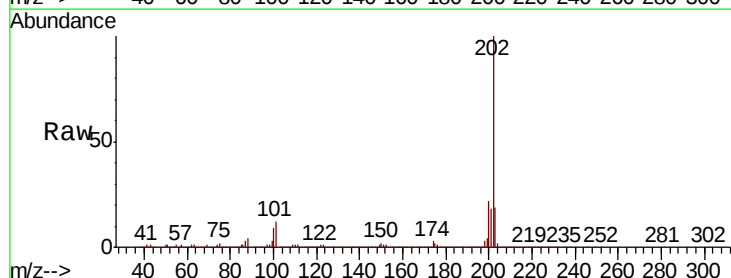
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 106.253 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	19.0	28.4
203	18.6	15.2	22.8

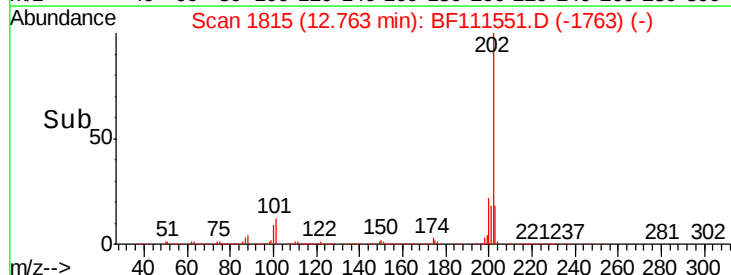
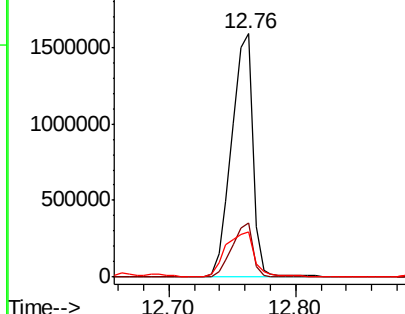


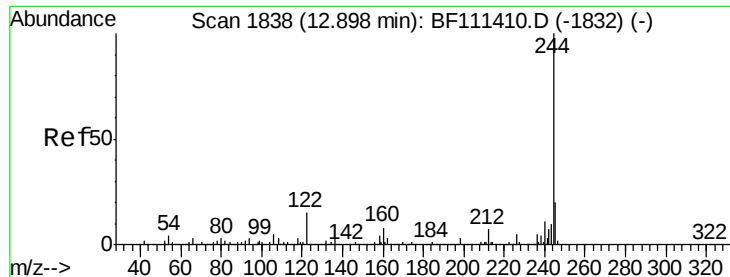
Abundance

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: 60.314 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

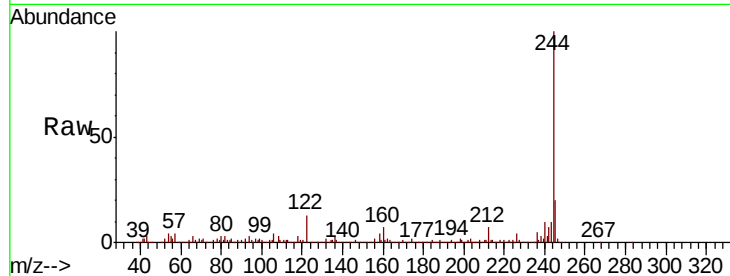
Tgt Ion:244 Resp: 628500

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

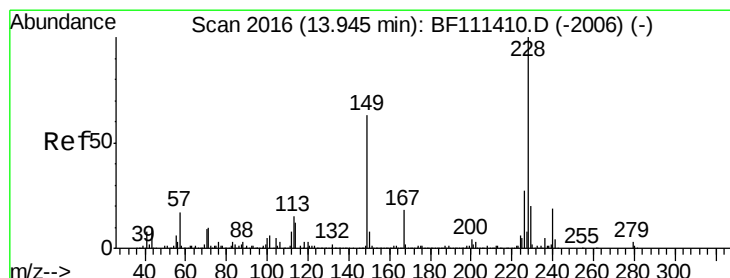
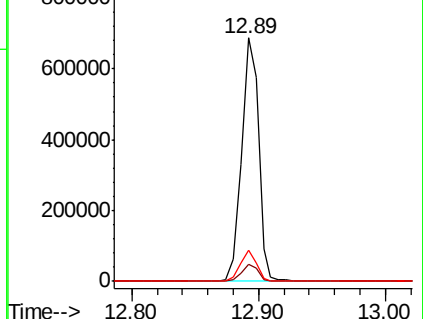
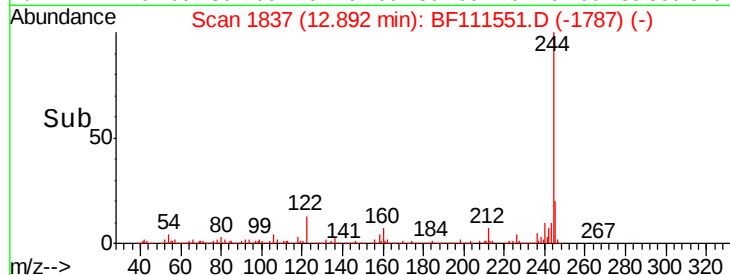
122 12.8 13.1 19.7#



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: 61.184 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

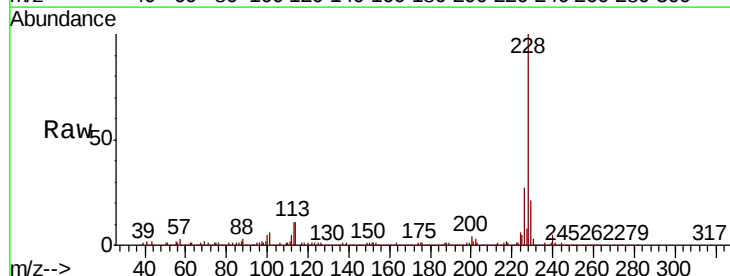
Tgt Ion:228 Resp: 814071

Ion Ratio Lower Upper

228 100

226 26.8 22.6 34.0

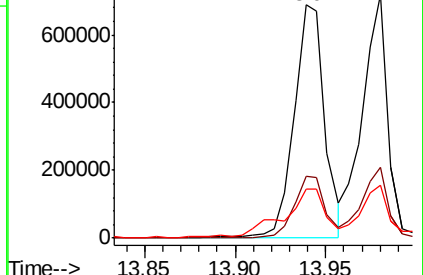
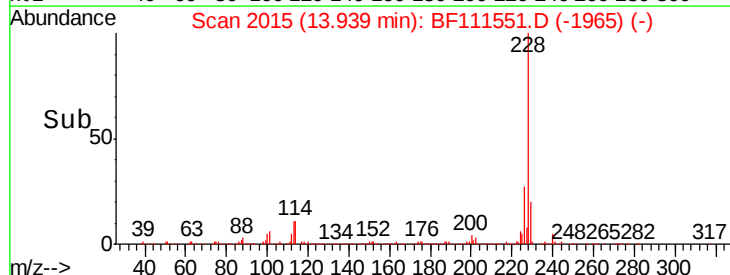
229 20.9 16.3 24.5

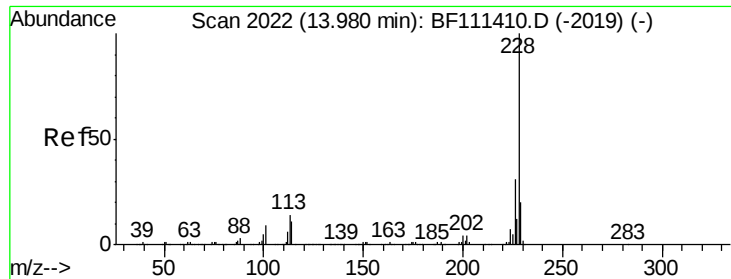


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

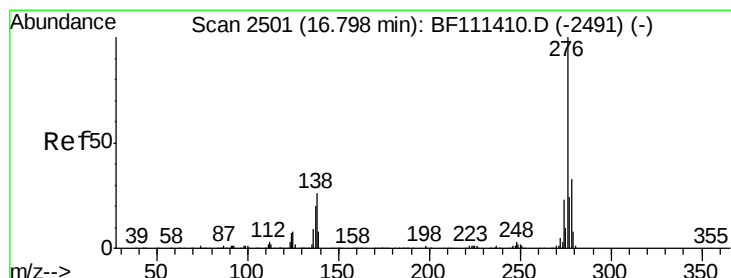
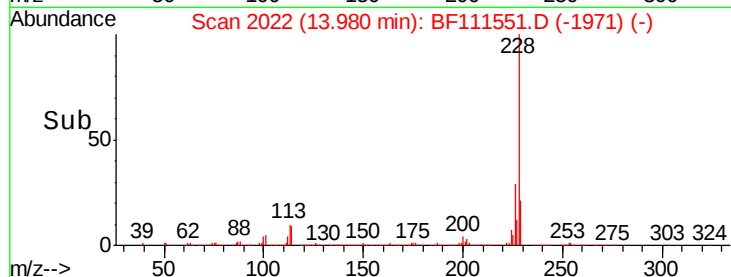
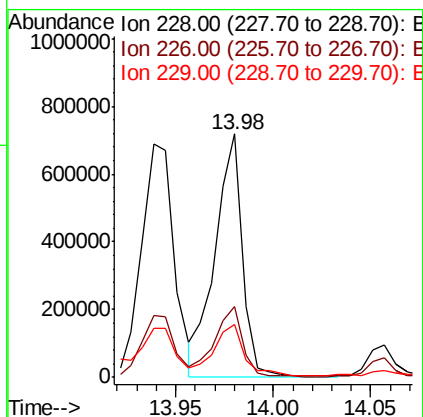
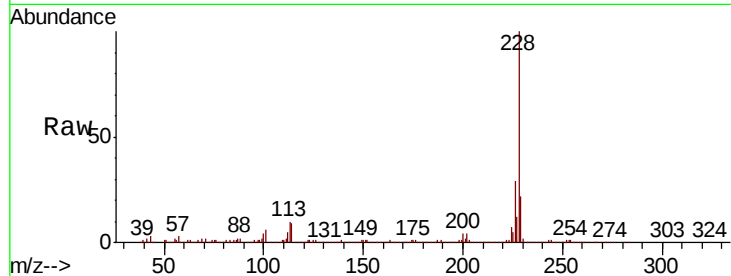




#83
Chrysene
Concen: 49.729 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

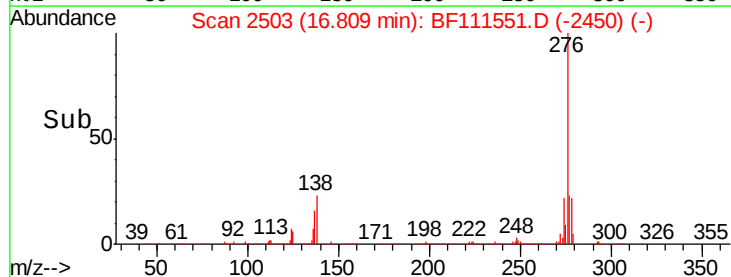
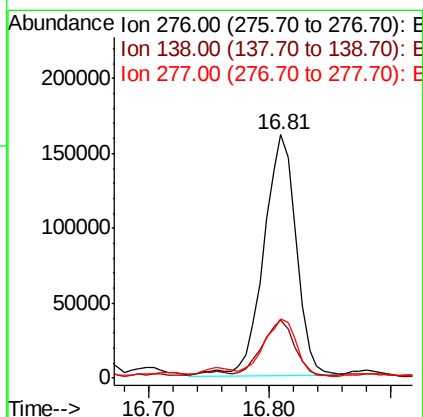
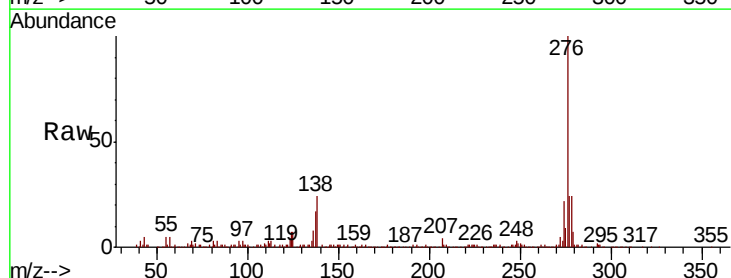
Instrument :
BNA_F
ClientSampleId :
TP-2-A

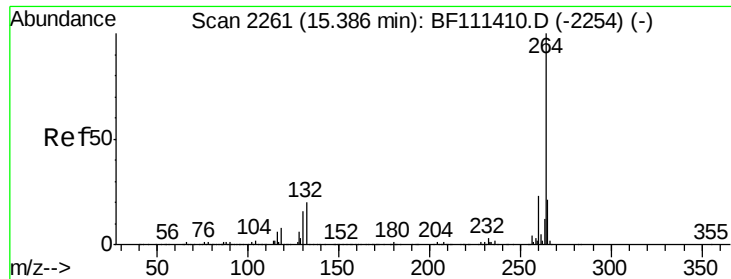
Tgt Ion:228 Resp: 697024
Ion Ratio Lower Upper
228 100
226 28.9 25.3 37.9
229 21.5 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 30.111 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

Tgt Ion:276 Resp: 304601
Ion Ratio Lower Upper
276 100
138 22.6 27.8 41.6#
277 23.4 20.1 30.1



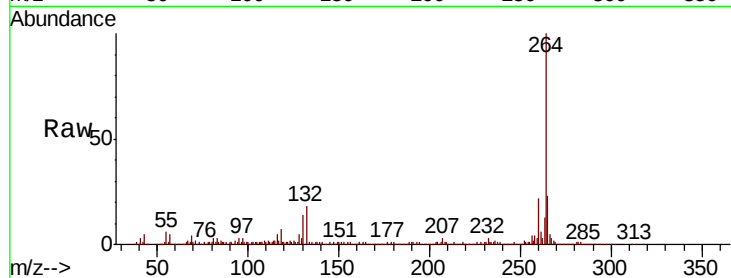


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

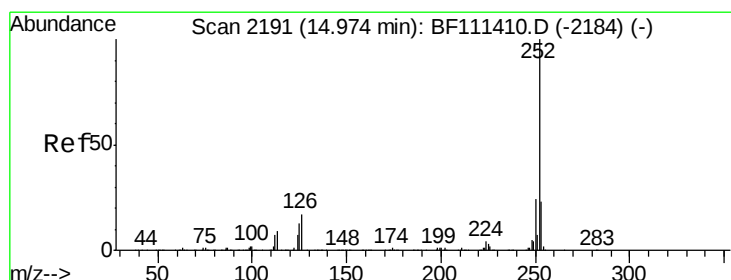
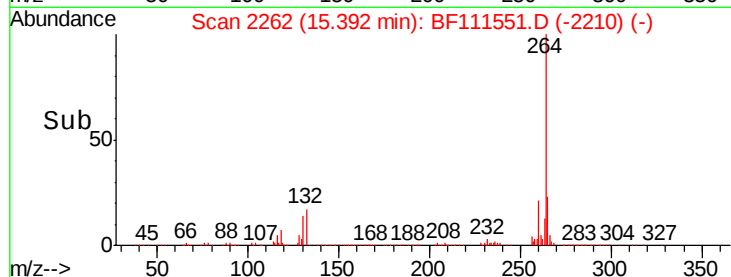
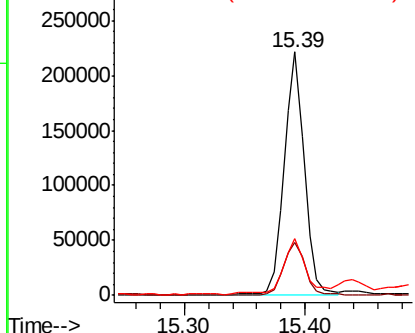
Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tgt Ion: 264 Resp: 253668

Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.3	27.5
265	23.1	17.7	26.5



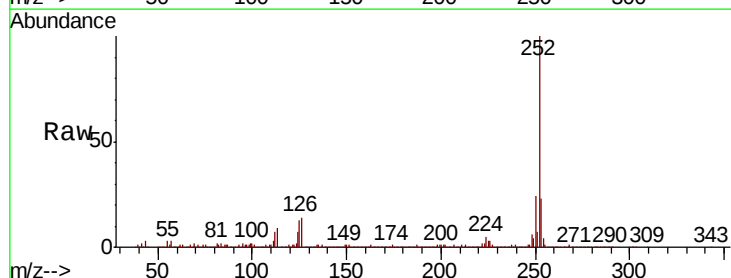
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



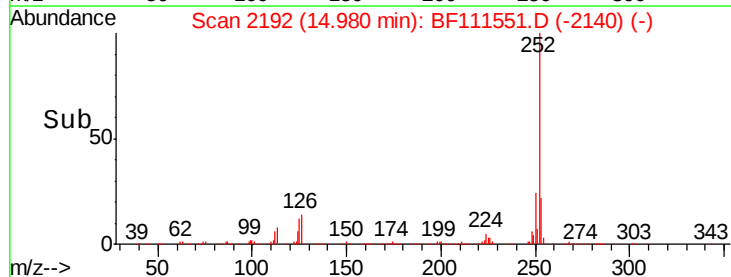
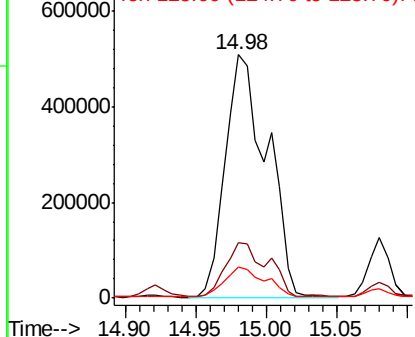
#88
Benzo(b)fluoranthene
Concen: 71.031 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111551.D
Acq: 17 Dec 2018 20:54

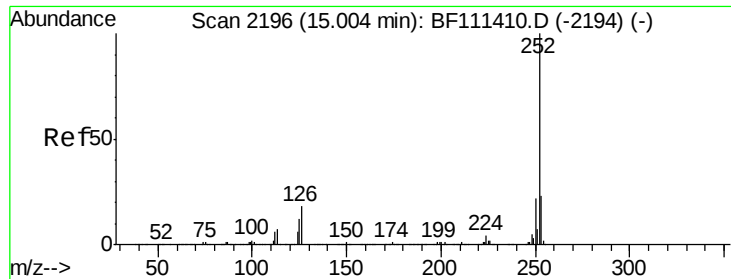
Tgt Ion: 252 Resp: 1050492

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.6	10.4	15.6



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





#89

Benzo(k)fluoranthene

Concen: 74.338 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

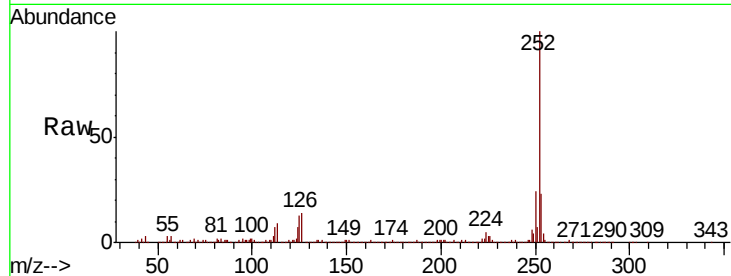
Tgt Ion:252 Resp: 1050492

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

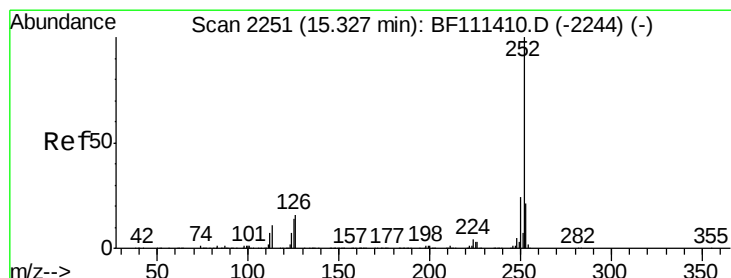
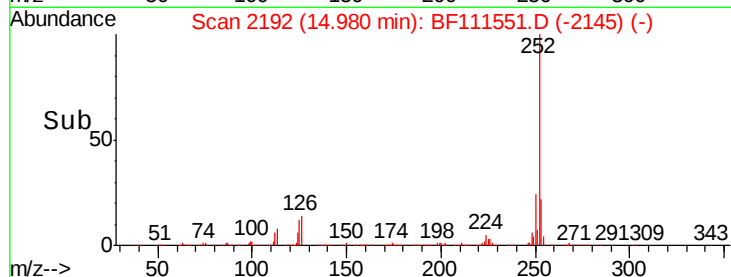
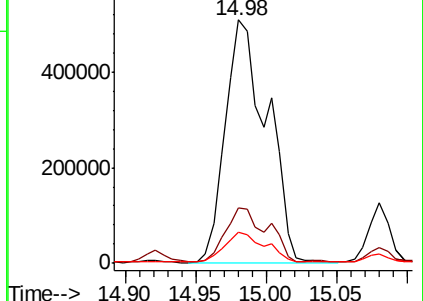
125 12.6 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 44.917 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

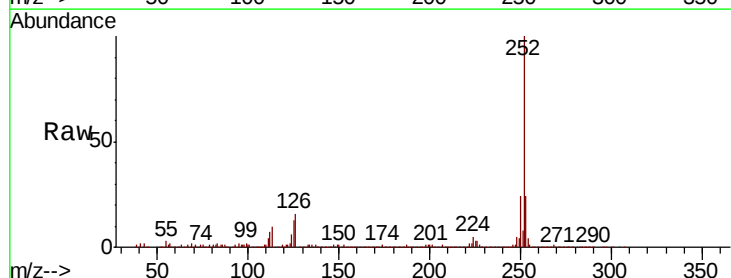
Tgt Ion:252 Resp: 599035

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

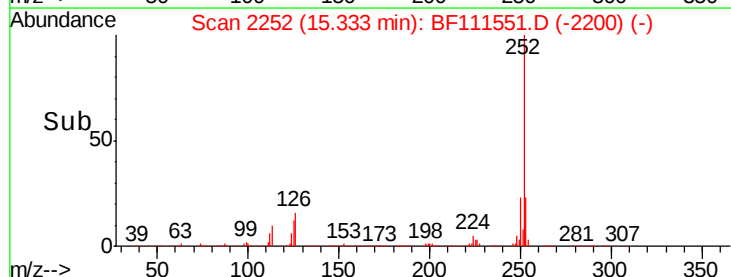
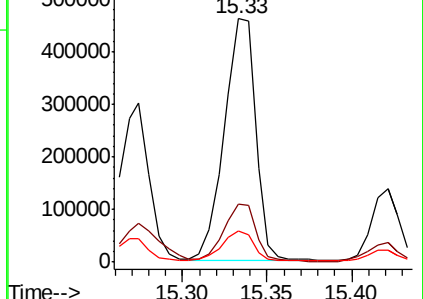
125 12.8 12.3 18.5

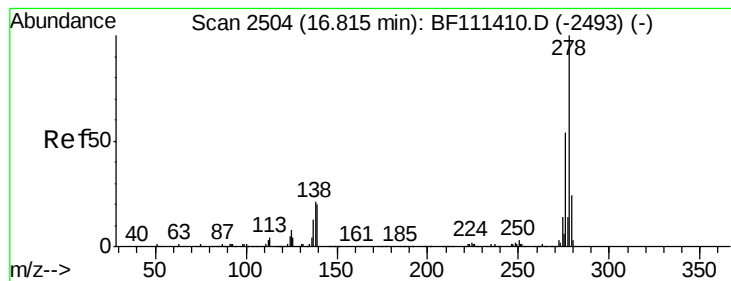


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.704 ng

RT: 16.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

Instrument :

BNA_F

ClientSampleId :

TP-2-A

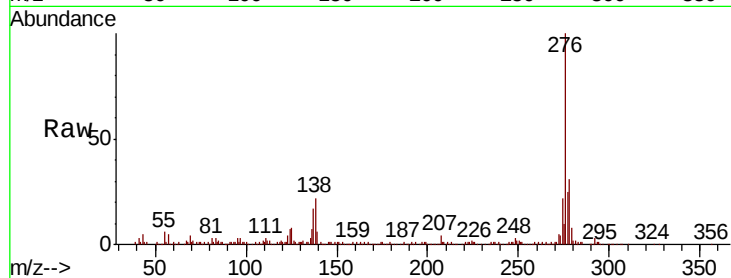
Tgt Ion:278 Resp: 81051

Ion Ratio Lower Upper

278 100

139 19.4 18.2 27.4

279 25.5 19.0 28.6

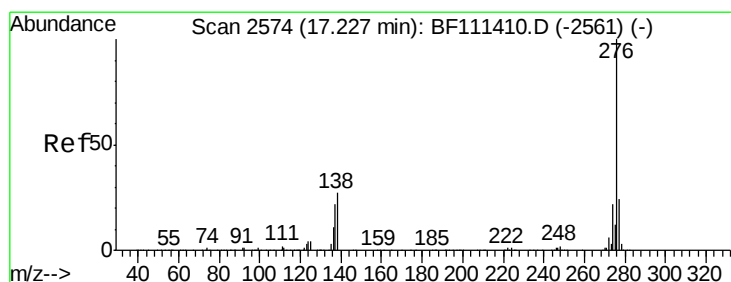
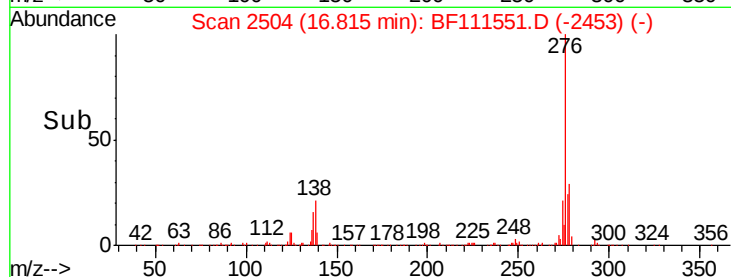
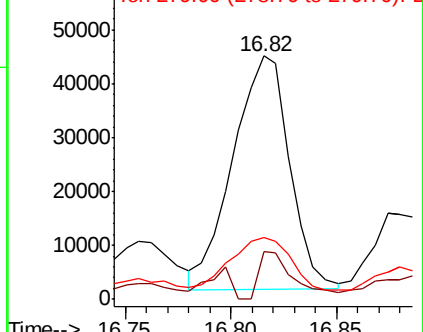


Abundance

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: 25.041 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111551.D

Acq: 17 Dec 2018 20:54

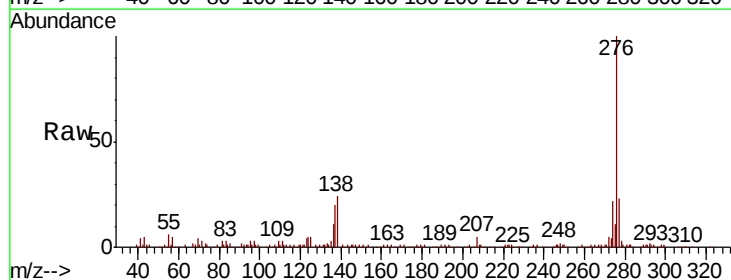
Tgt Ion:276 Resp: 258579

Ion Ratio Lower Upper

276 100

277 23.2 19.2 28.8

138 24.4 24.9 37.3#



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

