

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117716.D
 Acq On : 7 Nov 2019 20:27
 Operator : JU
 Sample : K5723-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-E

Quant Time: Nov 08 01:26:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	322832	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1241037	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	647962	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1155056	20.00	ng	0.00
76) Chrysene-d12	14.12	240	702803	20.00	ng	0.00
87) Perylene-d12	15.63	264	868120	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1752754	98.28	ng	0.00
7) Phenol-d6	6.55	99	2223333	101.10	ng	0.00
23) Nitrobenzene-d5	7.49	82	1320659	62.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	606026	95.61	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2241321	68.25	ng	0.00
79) Terphenyl-d14	13.06	244	2085993	61.10	ng	0.00

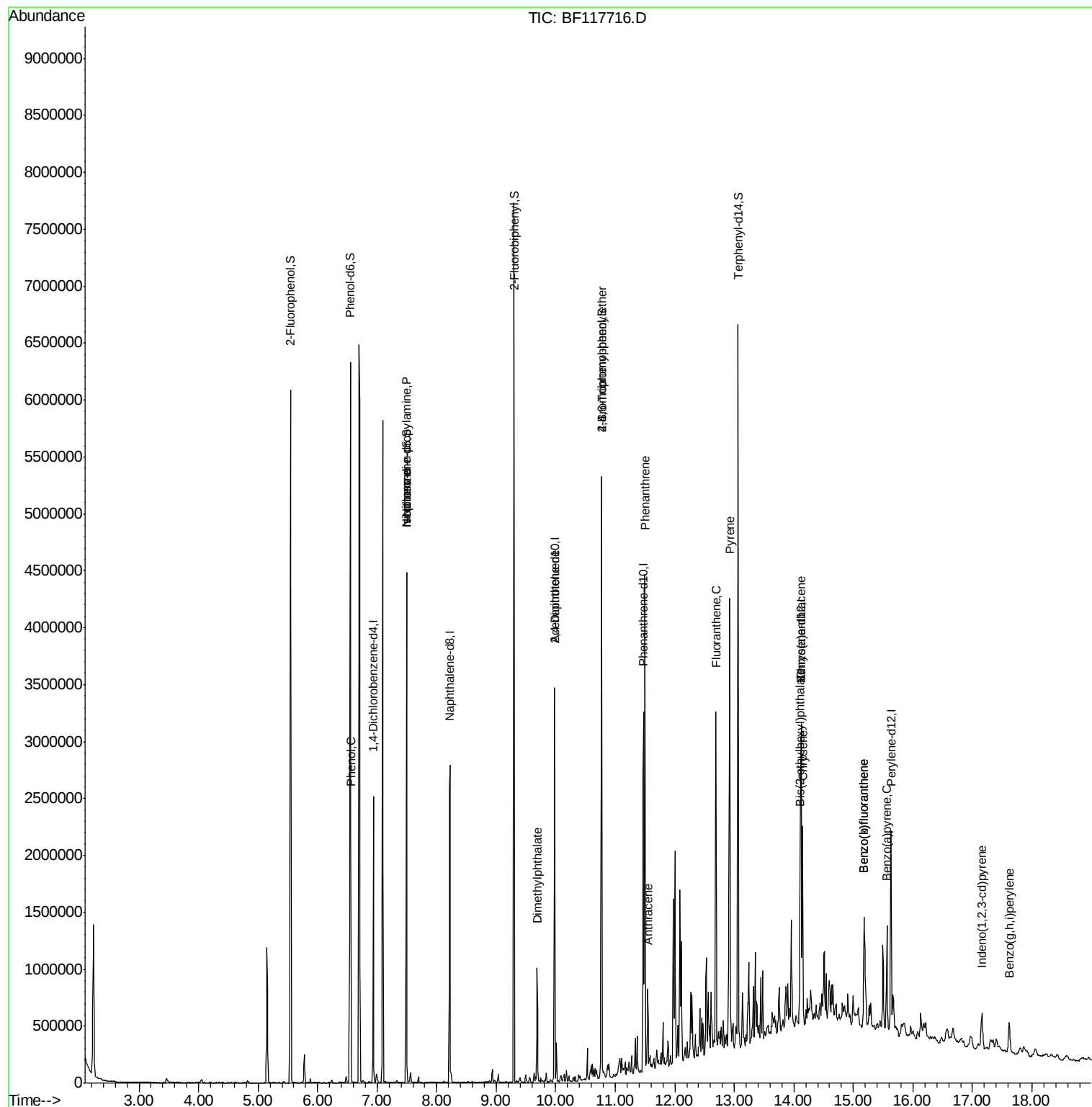
Target Compounds				Qvalue		
10) Phenol	6.56	94	107282	4.527	ng	95
19) n-Nitroso-di-n-propylamine	7.49	70	182216	12.602	ng	# 77
25) Isophorone	7.49	82	1317758	32.776	ng	# 62
50) Dimethylphthalate	9.69	163	351389	8.022	ng	98
57) 2,4-Dinitrotoluene	9.98	165	87321	6.940	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	38685	3.067	ng	# 1
71) Phenanthrene	11.50	178	1461520	26.398	ng	97
72) Anthracene	11.55	178	221604	4.023	ng	97
75) Fluoranthene	12.69	202	1122109	19.849	ng	95
78) Pyrene	12.92	202	1547380	30.161	ng	98
81) Benzo(a)anthracene	14.11	228	609373	13.930	ng	98
83) Chrysene	14.15	228	612728	14.183	ng	99
84) Bis(2-ethylhexyl)phthalate	14.10	149	107657	3.522	ng	99
86) Indeno(1,2,3-cd)pyrene	17.15	276	215136	5.350	ng	96
88) Benzo(b)fluoranthene	15.18	252	707877	12.947	ng	# 97
89) Benzo(k)fluoranthene	15.18	252	707877	14.516	ng	96
90) Benzo(a)pyrene	15.56	252	439670	9.276	ng	99
92) Benzo(g,h,i)perylene	17.62	276	227424	5.521	ng	98

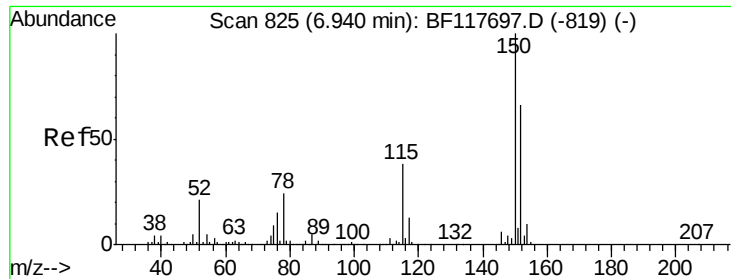
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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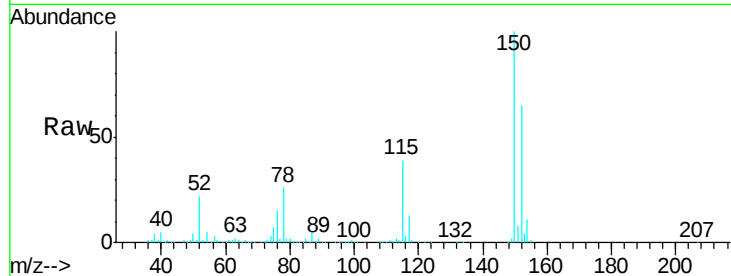


#1

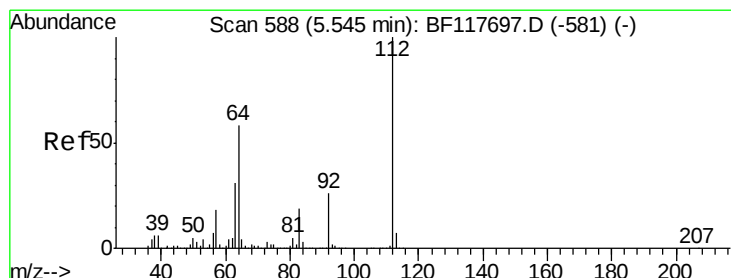
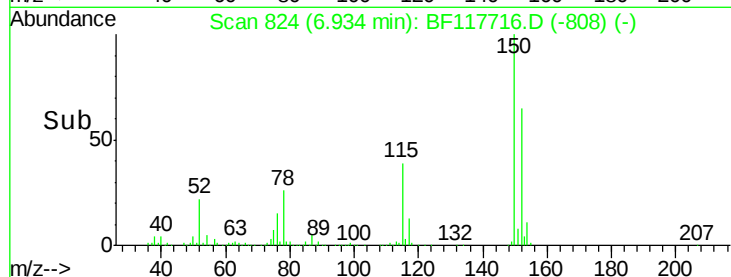
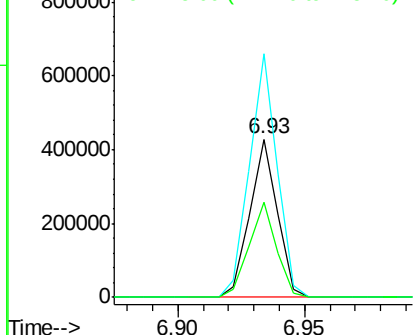
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampleId :
4-E

Tgt Ion:152 Resp: 322832
Ion Ratio Lower Upper
152 100
150 153.7 121.4 182.2
115 60.0 46.7 70.1



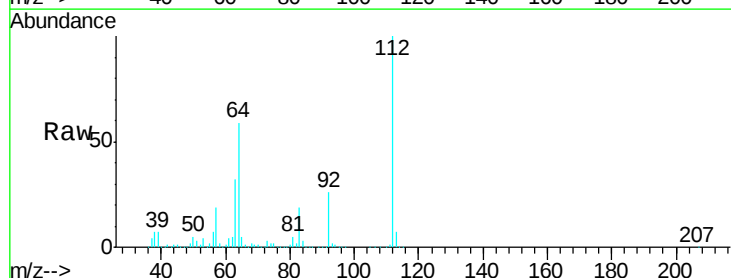
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



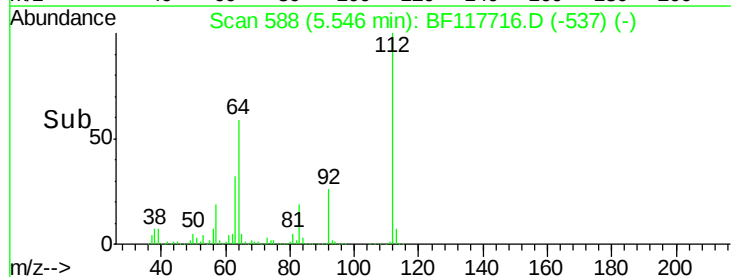
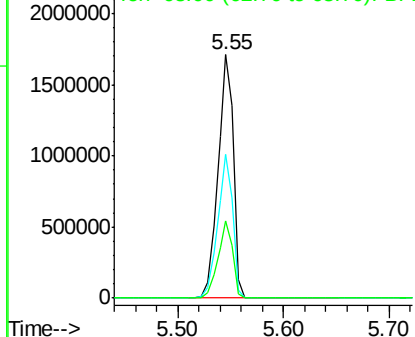
#5

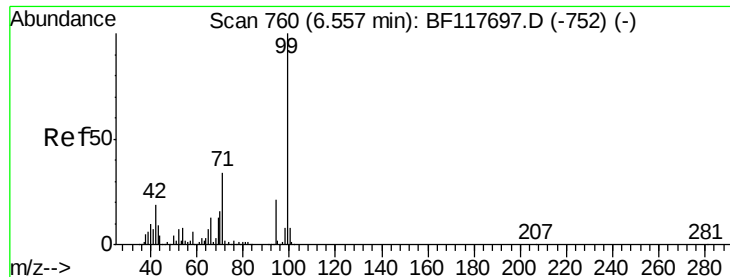
2-Fluorophenol
Concen: 98.279 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion:112 Resp: 1752754
Ion Ratio Lower Upper
112 100
64 58.9 46.4 69.6
63 31.6 24.6 37.0



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: 101.104 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampleId :

4-E

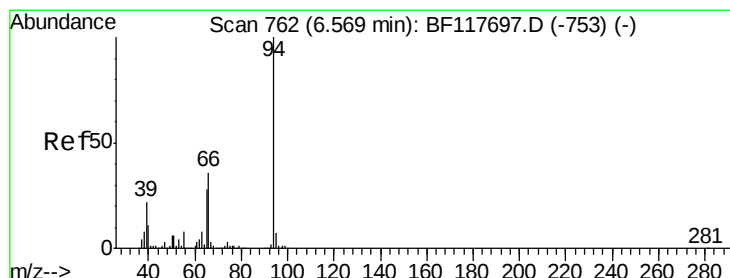
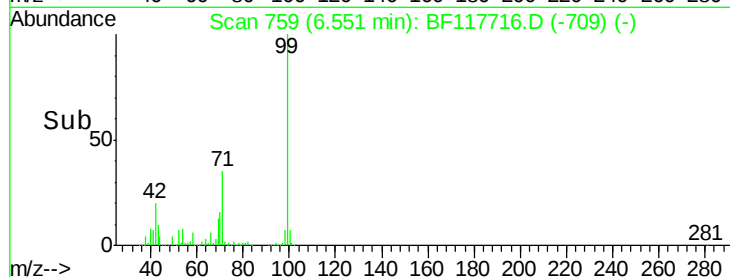
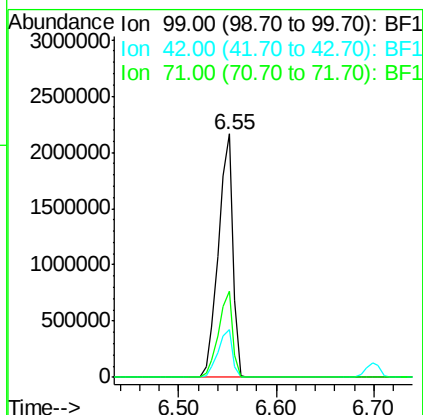
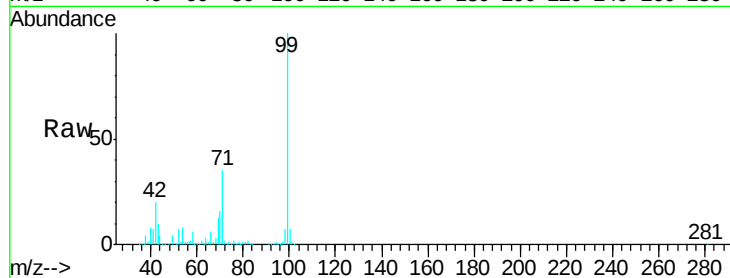
Tgt Ion: 99 Resp: 2223333

Ion Ratio Lower Upper

99 100

42 19.7 15.3 22.9

71 35.5 26.8 40.2



#10

Phenol

Concen: 4.527 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

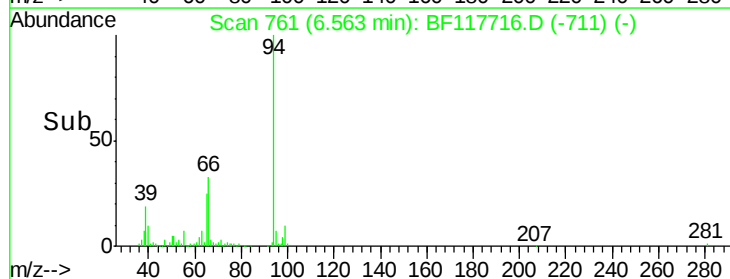
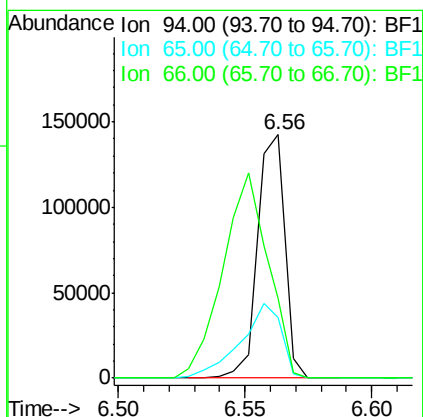
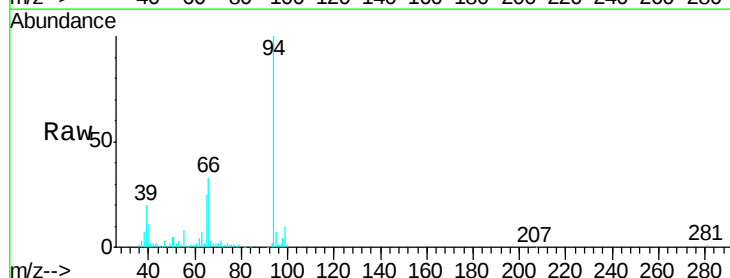
Tgt Ion: 94 Resp: 107282

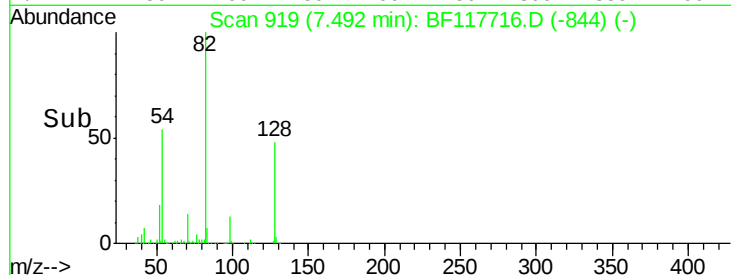
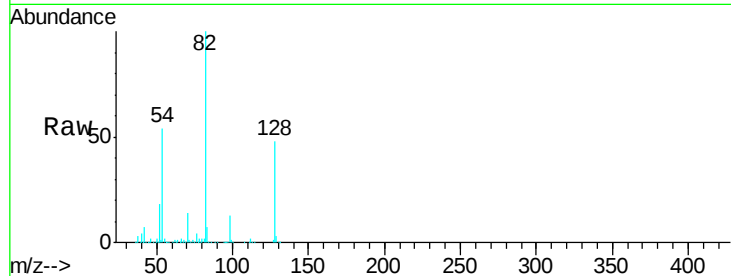
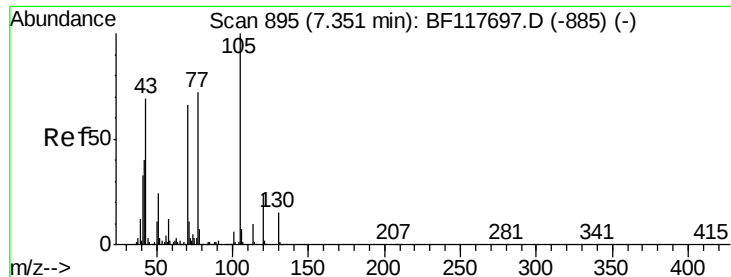
Ion Ratio Lower Upper

94 100

65 24.9 7.6 47.6

66 32.9 16.1 56.1

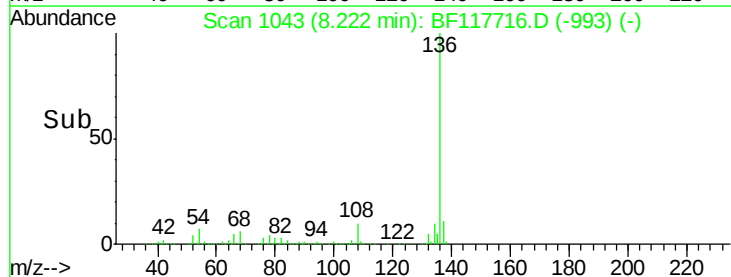
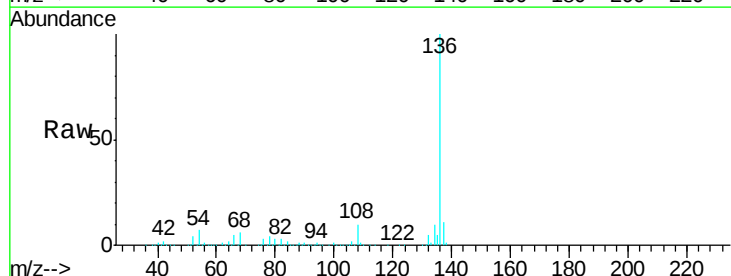
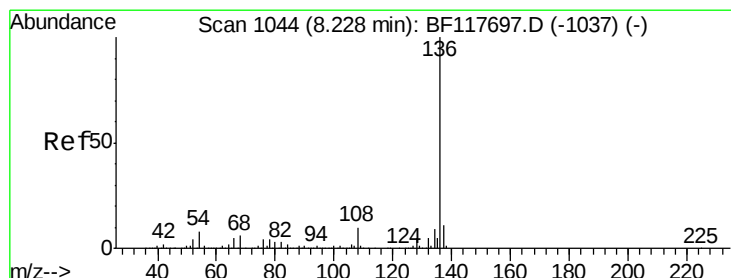
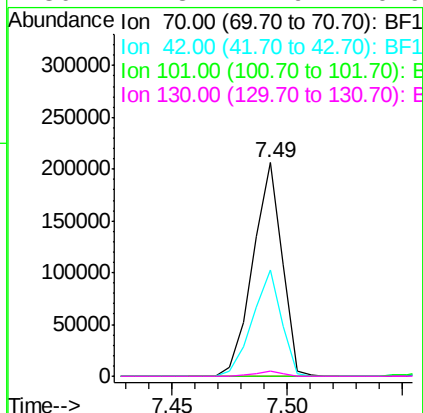




#19
n-Nitroso-di-n-propylamine
Concen: 12.602 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

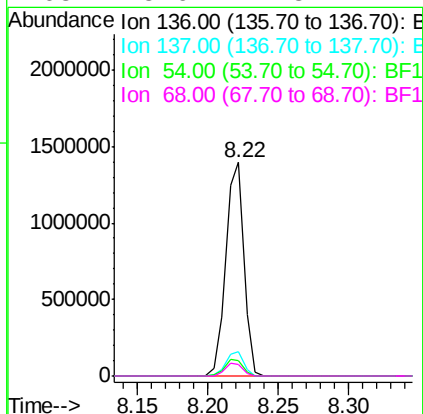
Instrument :
BNA_F
ClientSampleId :
4-E

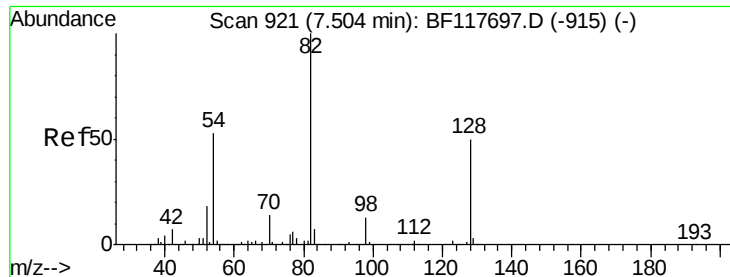
Tgt Ion: 70 Resp: 182216
Ion Ratio Lower Upper
70 100
42 49.5 49.1 73.7
101 0.0 7.8 11.8#
130 2.3 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion: 136 Resp: 1241037
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.3 6.0 9.0
68 5.6 4.8 7.2

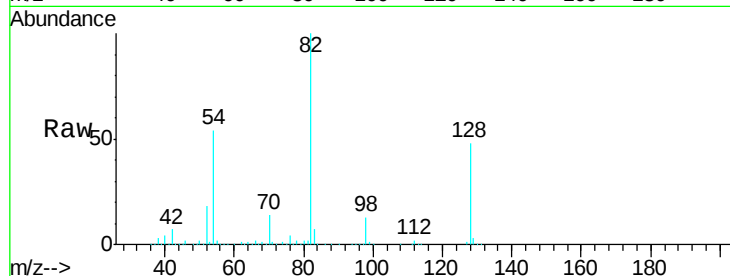




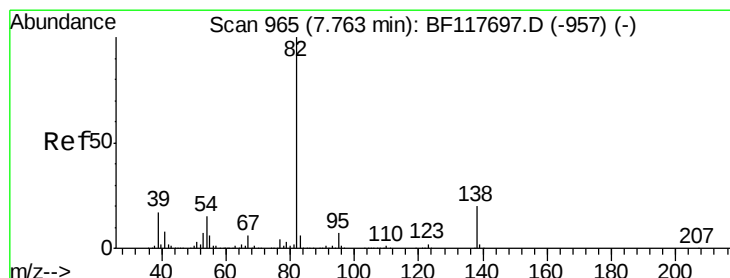
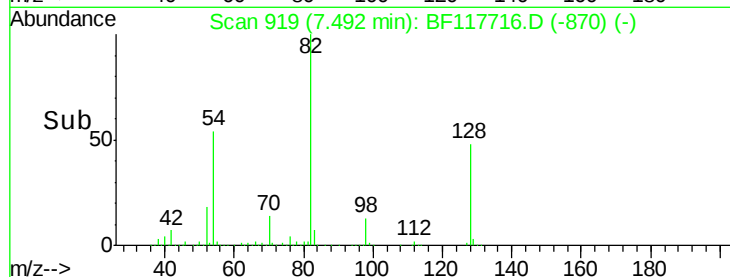
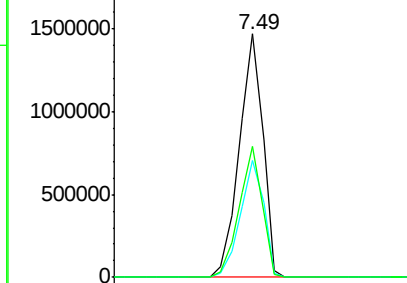
#23
Nitrobenzene-d5
Concen: 62.827 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampleId :
4-E

Tgt Ion: 82 Resp: 1320659
Ion Ratio Lower Upper
82 100
128 48.0 40.2 60.2
54 53.6 42.0 63.0

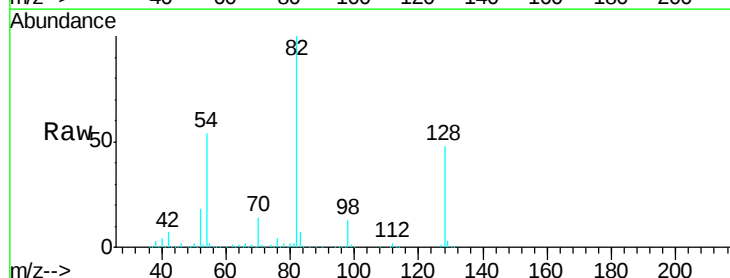


Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

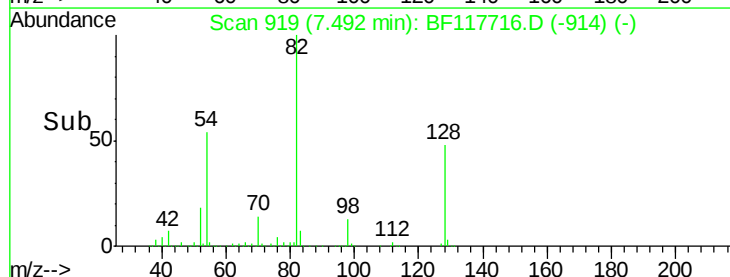
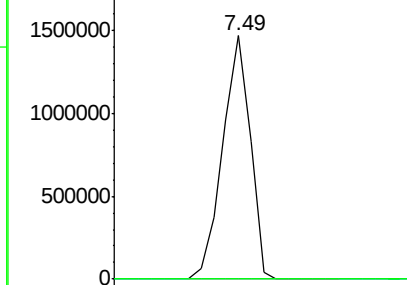


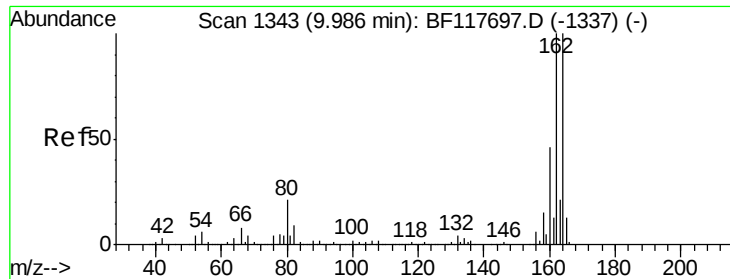
#25
Isophorone
Concen: 32.776 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion: 82 Resp: 1317758
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

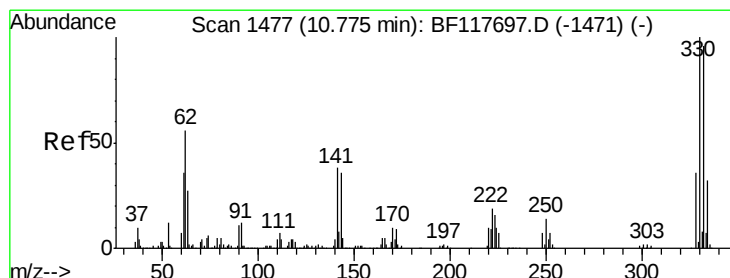
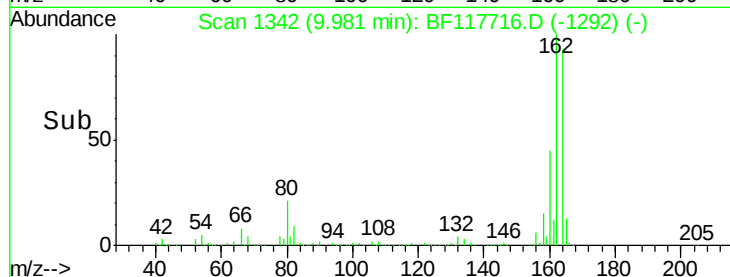
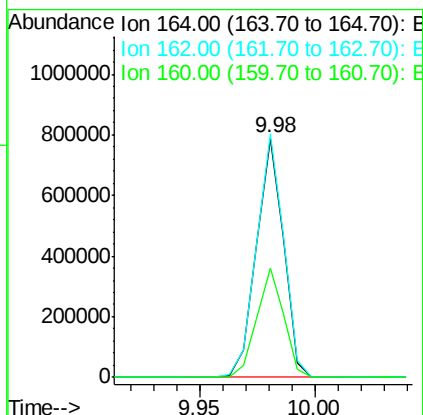
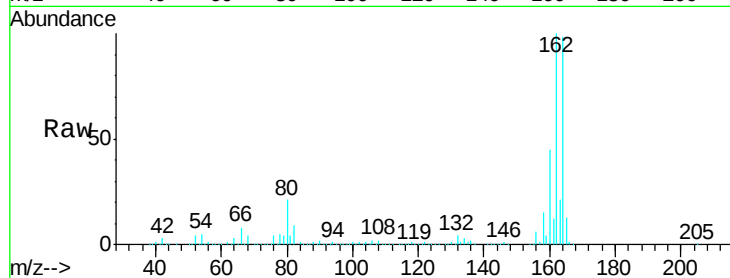




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

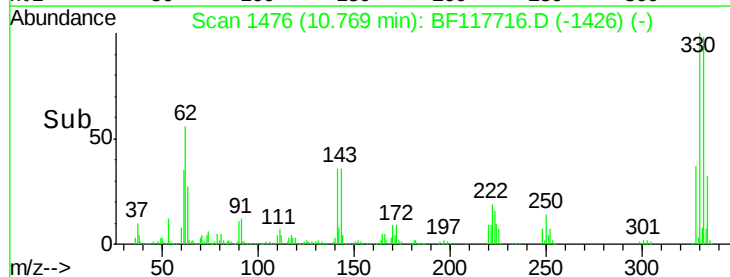
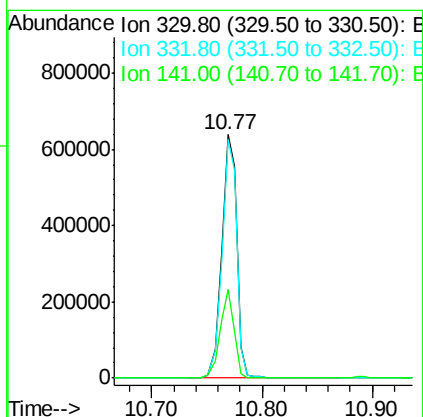
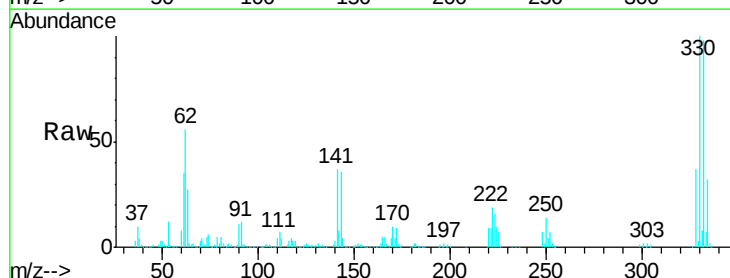
Instrument :
BNA_F
ClientSampled :
4-E

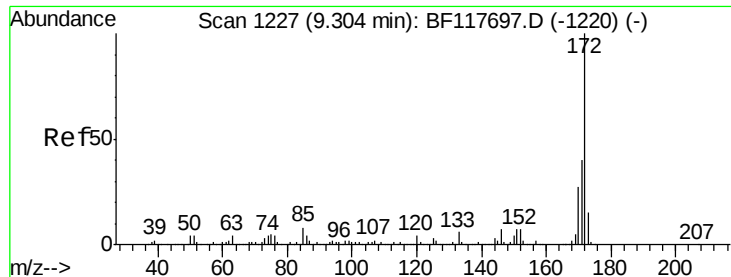
Tgt Ion:164 Resp: 647962
Ion Ratio Lower Upper
164 100
162 102.1 79.7 119.5
160 45.9 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 95.610 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion:330 Resp: 606026
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 33.6 28.0 42.0

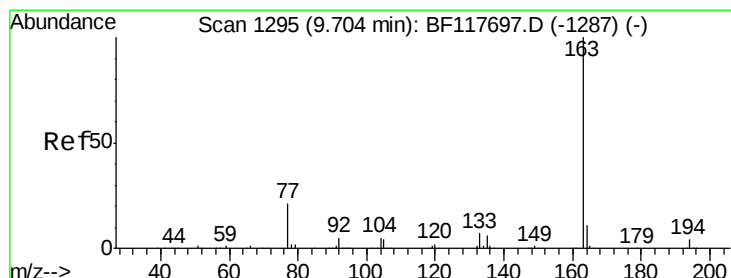
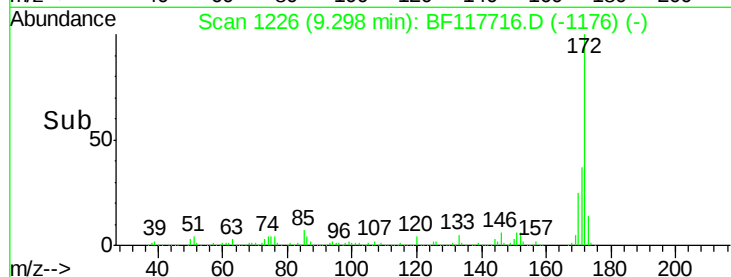
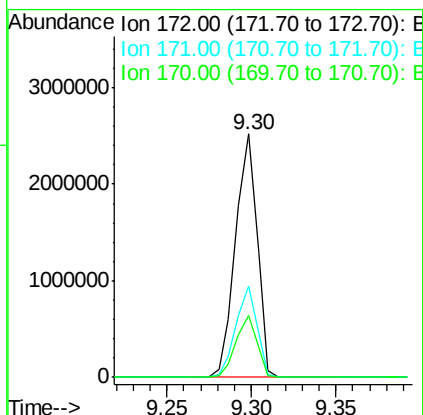
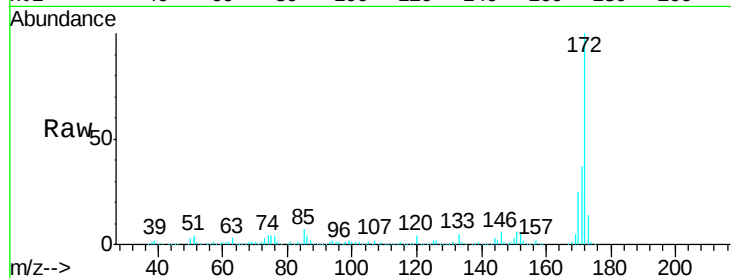




#45
2-Fluorobiphenyl
Concen: 68.247 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

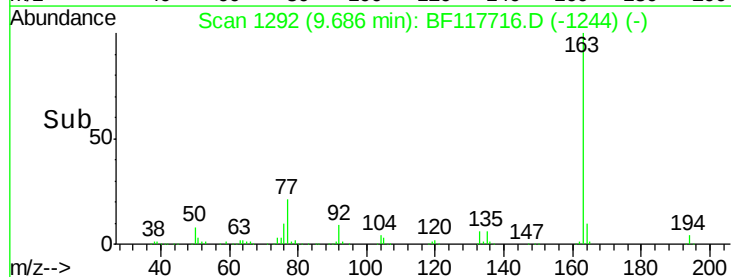
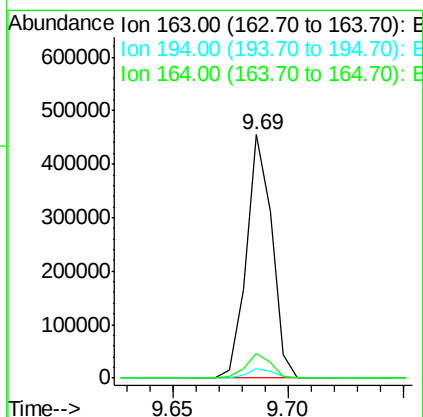
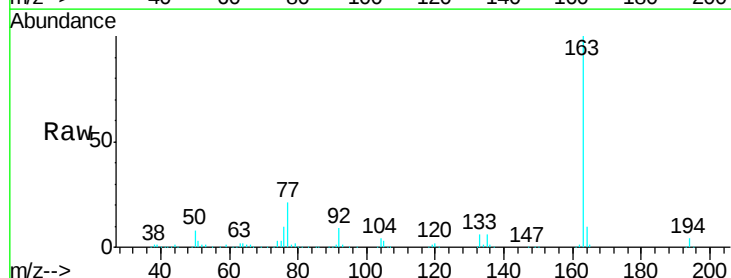
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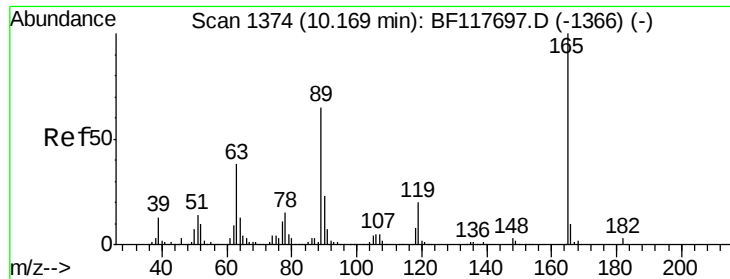
Tgt Ion:172 Resp: 2241321
Ion Ratio Lower Upper
172 100
171 37.5 31.8 47.8
170 25.5 21.6 32.4



#50
Dimethylphthalate
Concen: 8.022 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion:163 Resp: 351389
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.1 8.9 13.3

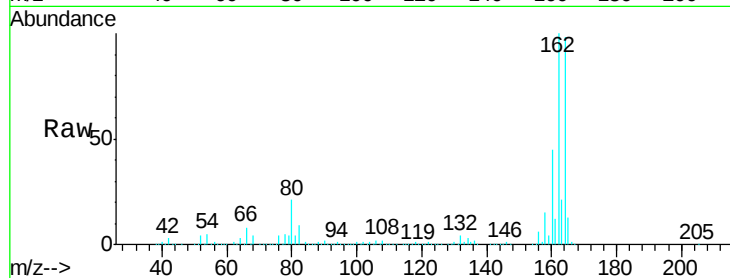




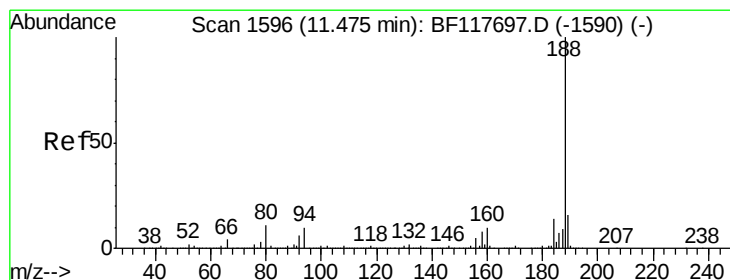
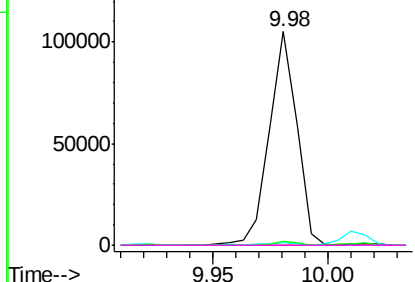
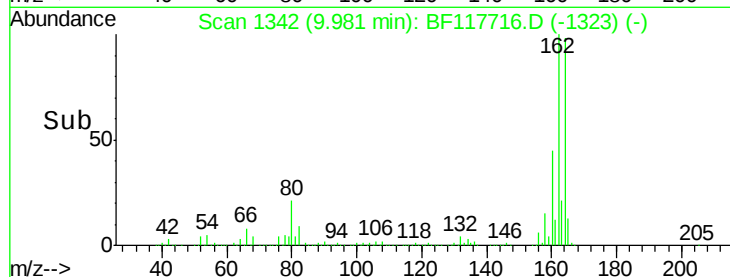
#57
2,4-Dinitrotoluene
Concen: 6.940 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.19 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampleId :
4-E

Tgt Ion:165 Resp: 87321
Ion Ratio Lower Upper
165 100
63 1.2 30.4 45.6#
89 1.7 52.2 78.4#
182 0.0 2.3 3.5#

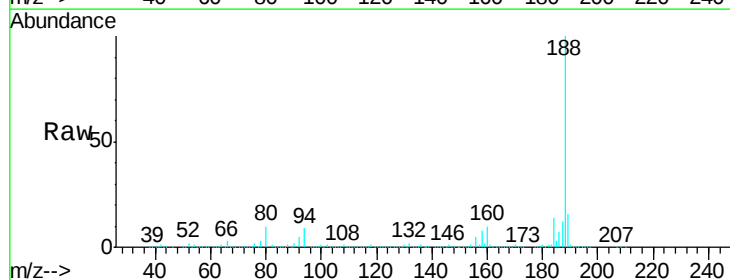


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

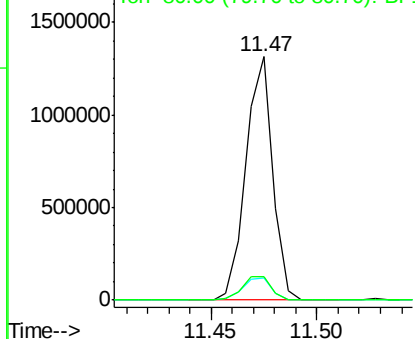
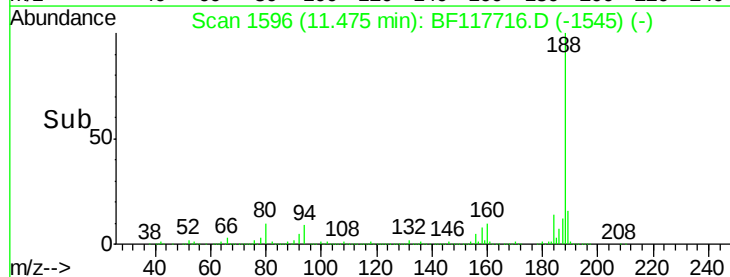


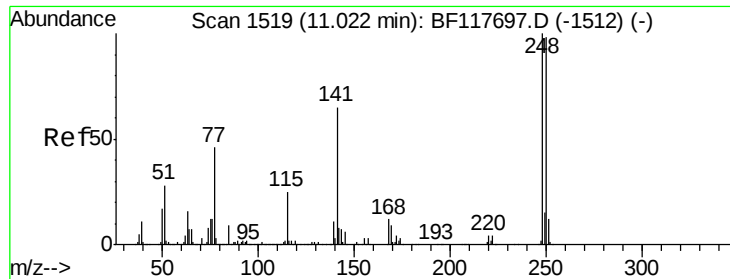
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion:188 Resp: 1155056
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 9.9 8.6 13.0



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

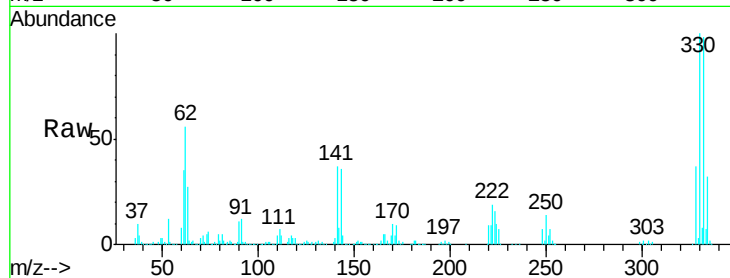




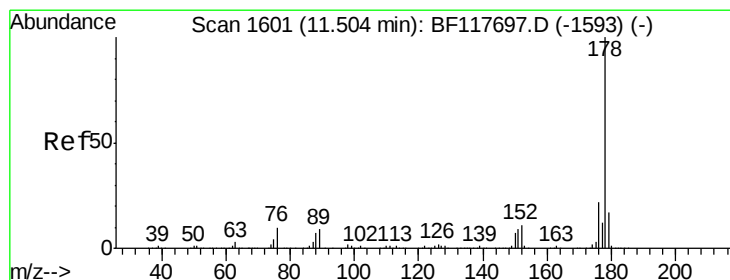
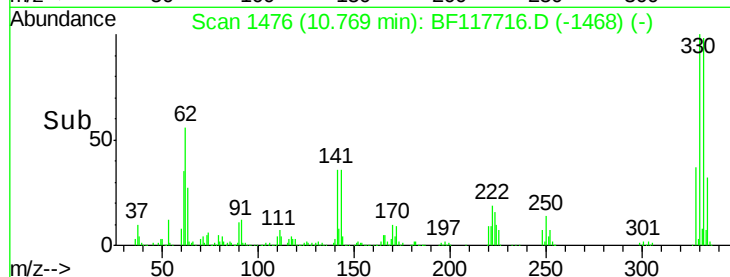
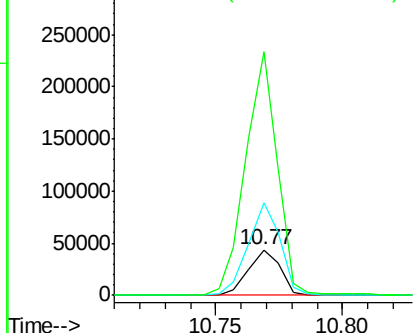
#67
 4-Bromophenyl-phenylether
 Concen: 3.067 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 4-E

Tgt Ion:248 Resp: 38685
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.7 118.1#
 141 537.0 51.8 77.8#

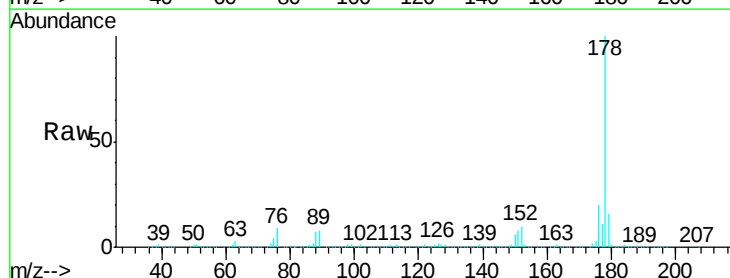


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

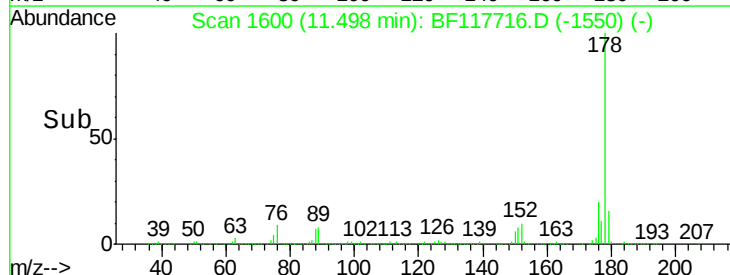
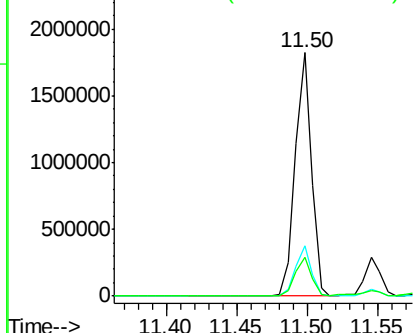


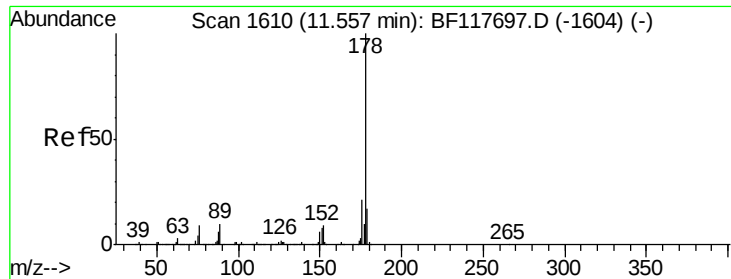
#71
 Phenanthrene
 Concen: 26.398 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Tgt Ion:178 Resp: 1461520
 Ion Ratio Lower Upper
 178 100
 176 20.4 17.7 26.5
 179 16.2 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





#72

Anthracene

Concen: 4.023 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampleId :

4-E

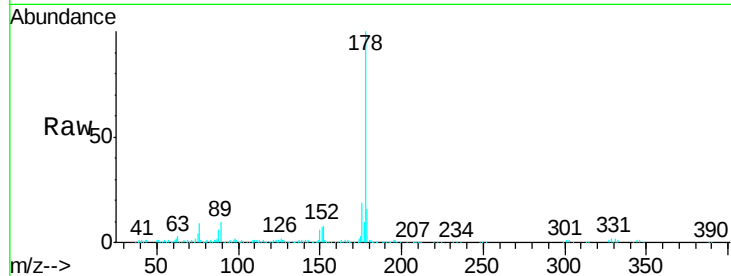
Tgt Ion:178 Resp: 221604

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

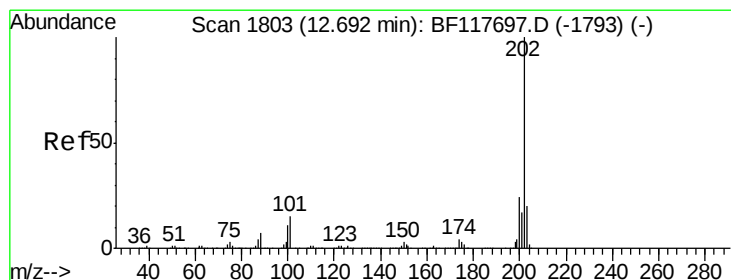
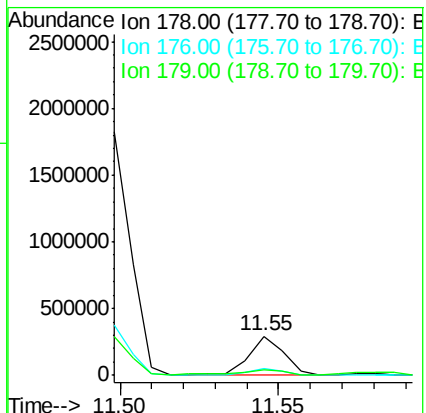
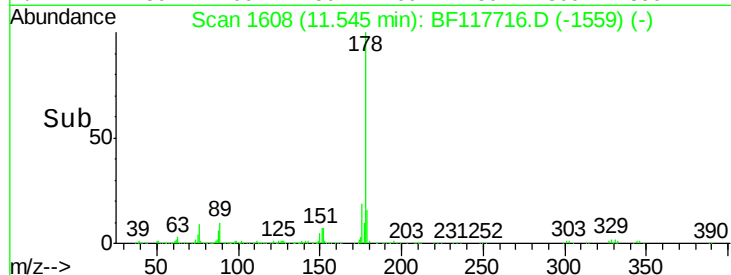
179 15.8 13.5 20.3



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: 19.849 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

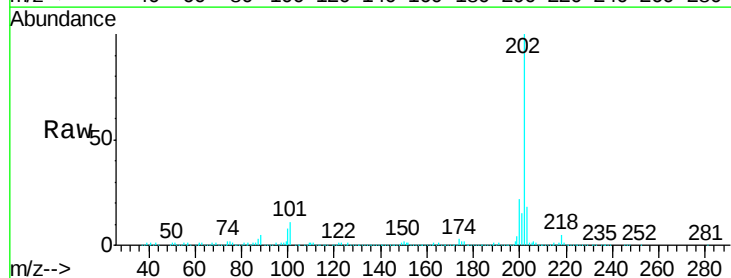
Tgt Ion:202 Resp: 1122109

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.5

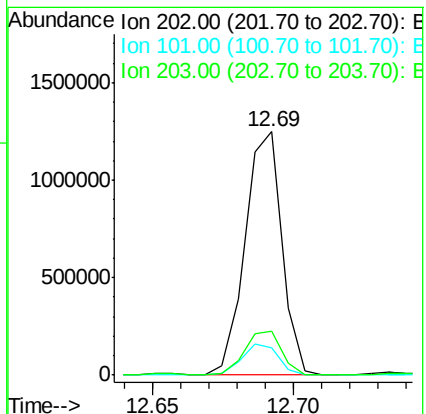
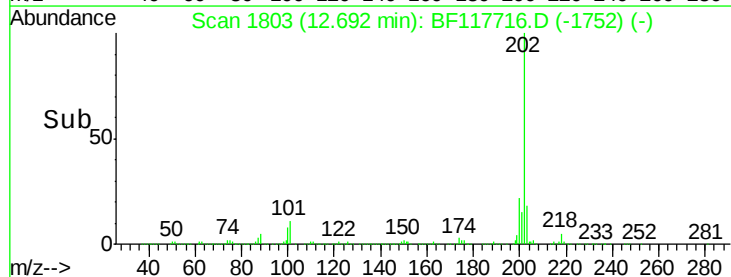
203 18.2 0.0 39.8

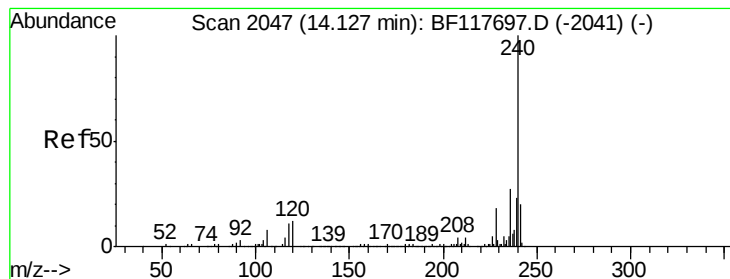


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampleId :

4-E

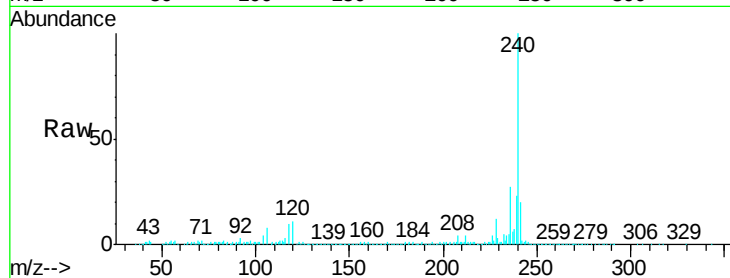
Tgt Ion:240 Resp: 702803

Ion Ratio Lower Upper

240 100

120 10.9 9.7 14.5

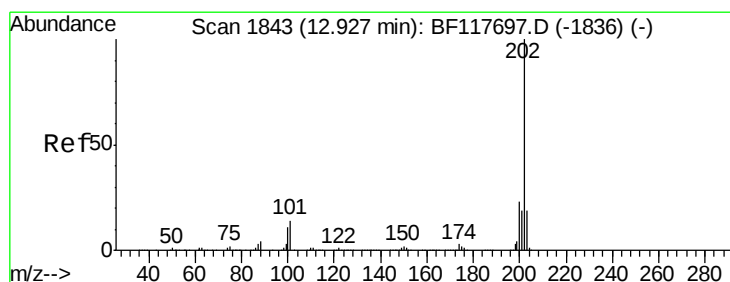
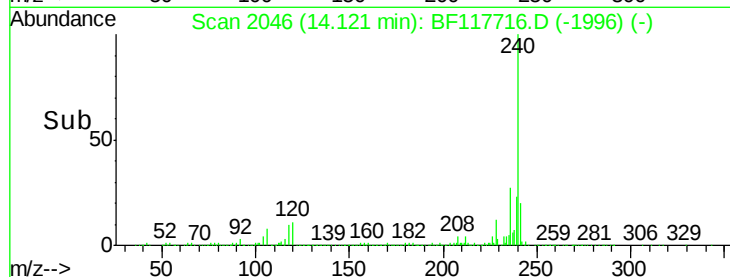
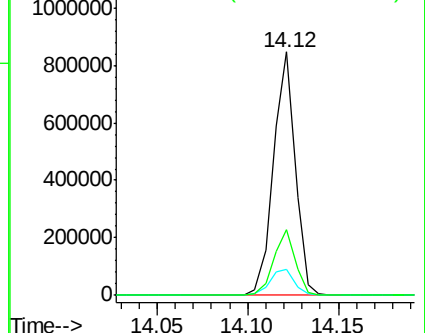
236 26.8 21.9 32.9



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: 30.161 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

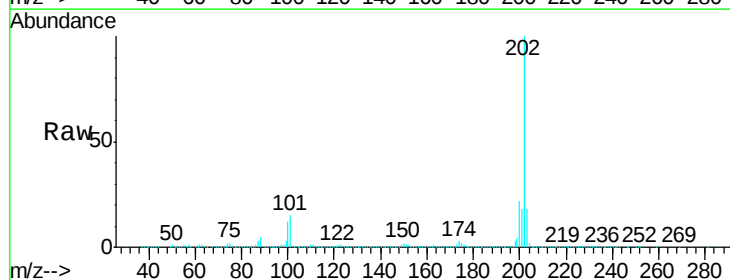
Tgt Ion:202 Resp: 1547380

Ion Ratio Lower Upper

202 100

200 22.3 18.8 28.2

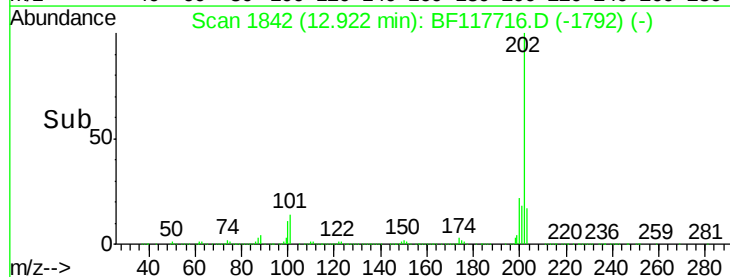
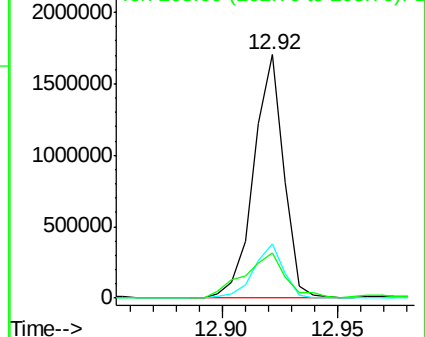
203 18.5 15.2 22.8

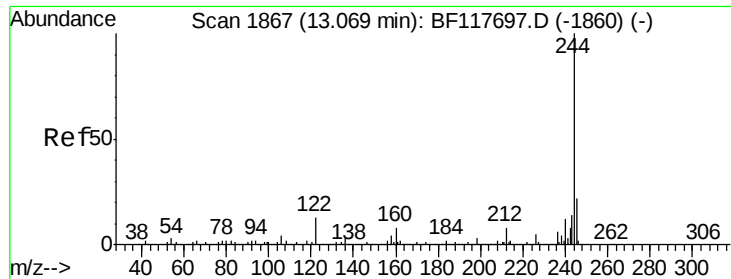


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.101 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampleId :

4-E

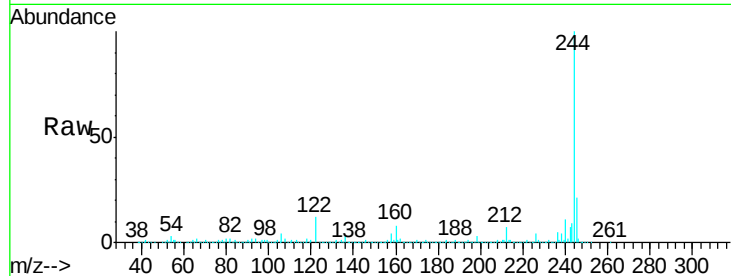
Tgt Ion:244 Resp: 2085993

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

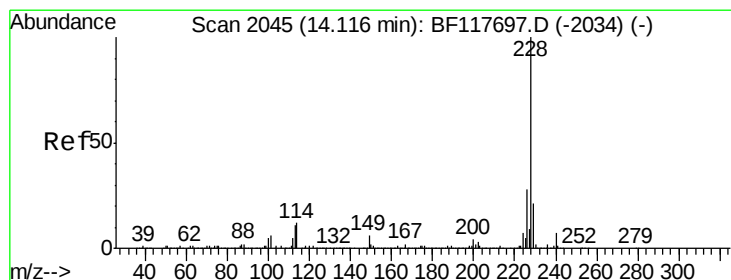
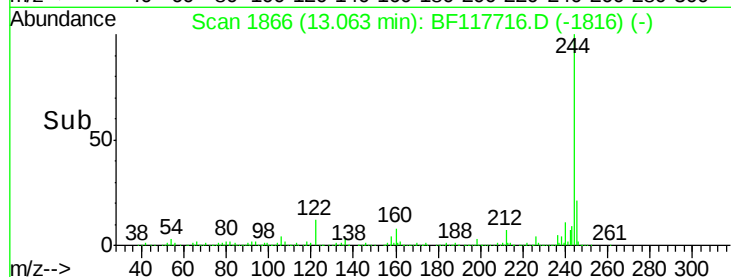
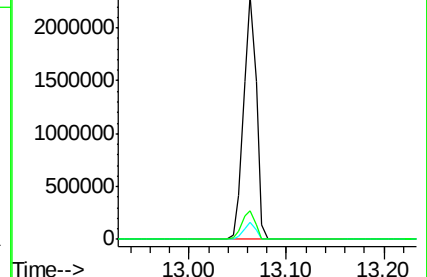
122 12.0 10.0 15.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 13.930 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

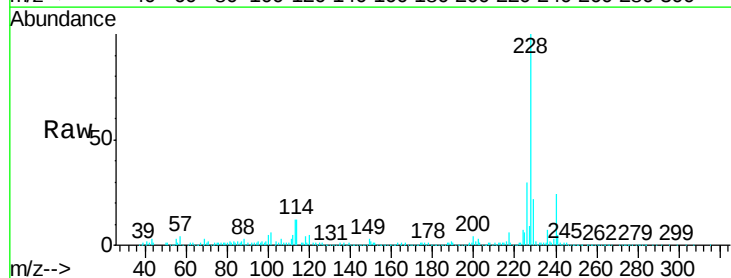
Tgt Ion:228 Resp: 609373

Ion Ratio Lower Upper

228 100

226 30.0 22.8 34.2

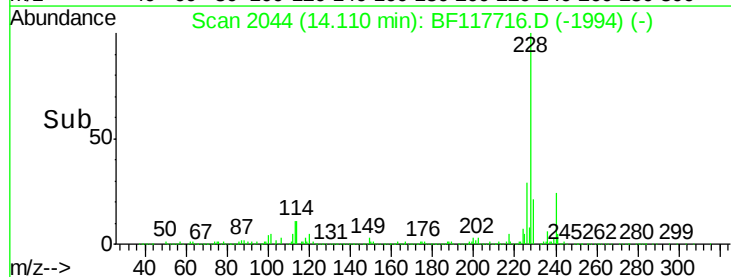
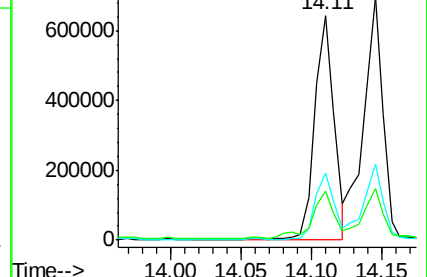
229 21.9 16.9 25.3

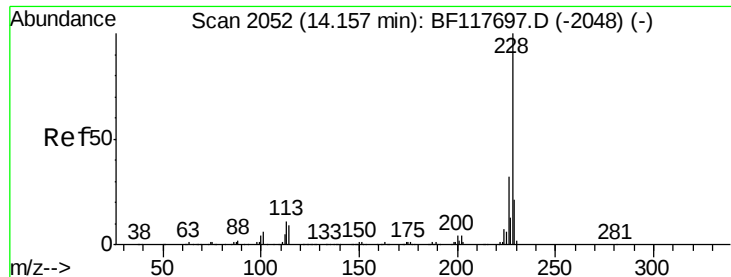


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 14.183 ng

RT: 14.15 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

Instrument :

BNA_F

ClientSampleId :

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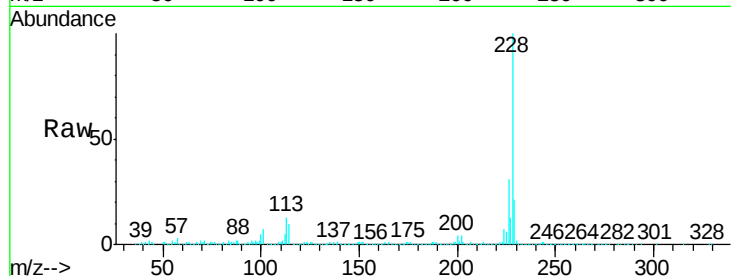
Tgt Ion:228 Resp: 612728

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.2

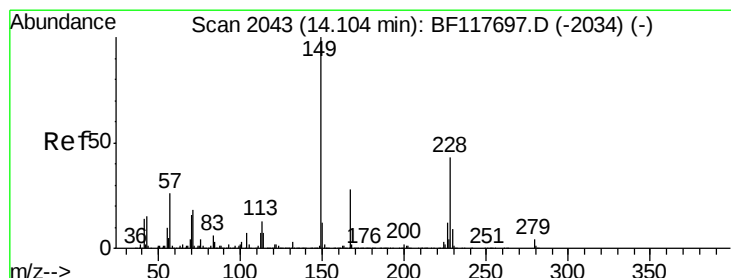
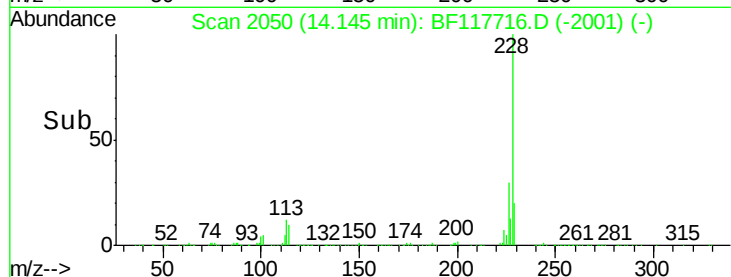
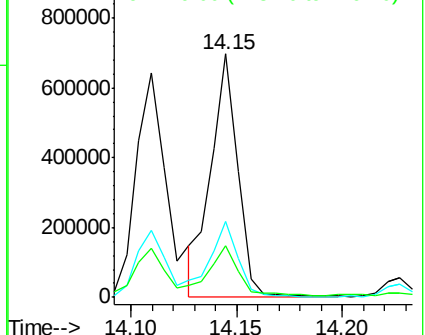
229 21.2 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.522 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117716.D

Acq: 7 Nov 2019 20:27

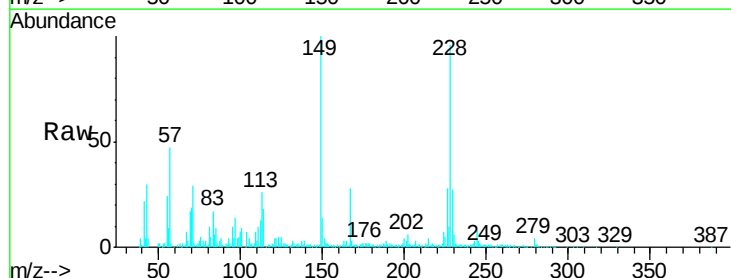
Tgt Ion:149 Resp: 107657

Ion Ratio Lower Upper

149 100

167 28.3 22.2 33.2

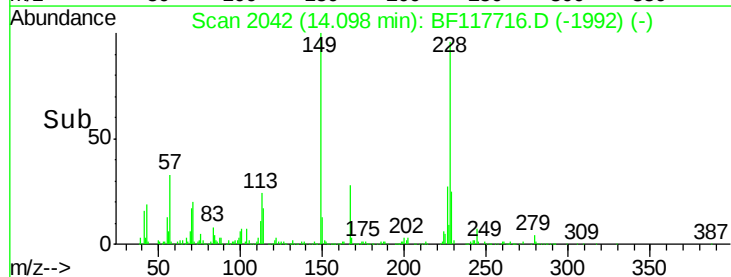
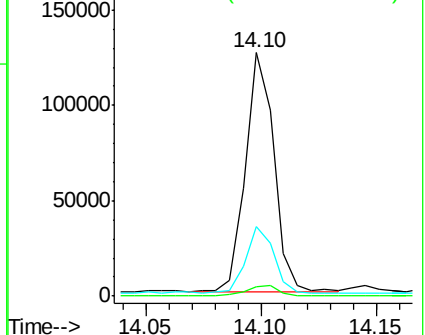
279 3.8 3.4 5.2

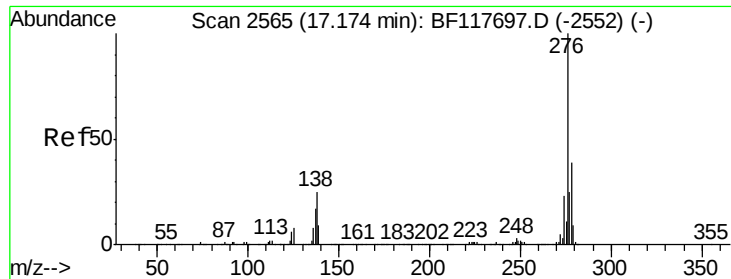


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

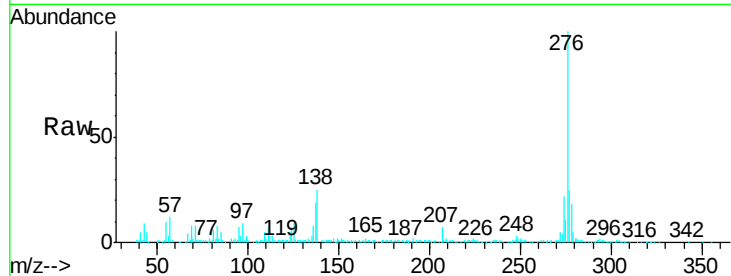




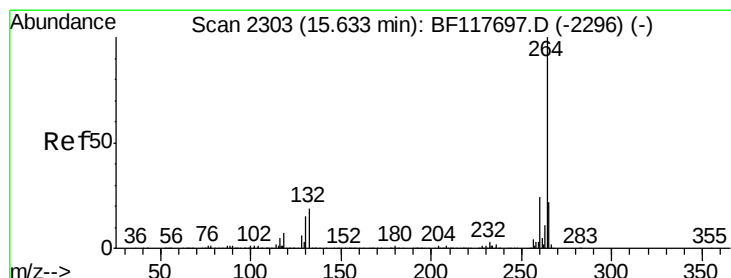
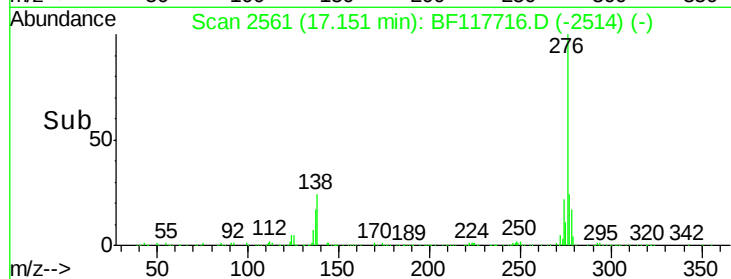
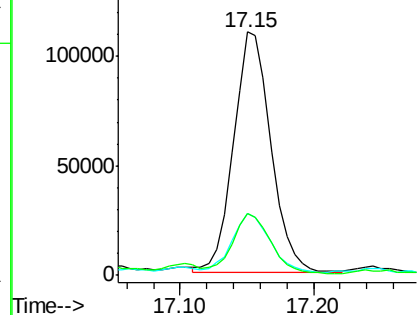
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.350 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 4-E

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	22.4	33.6
277	25.3	20.6	30.8

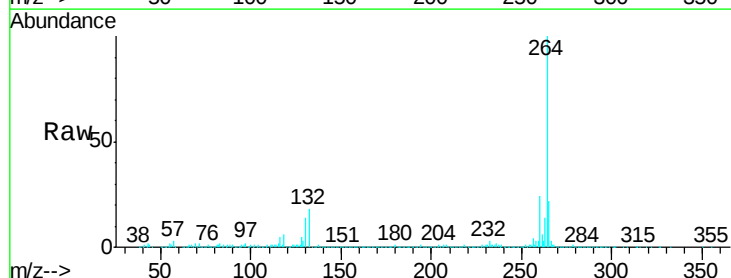


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

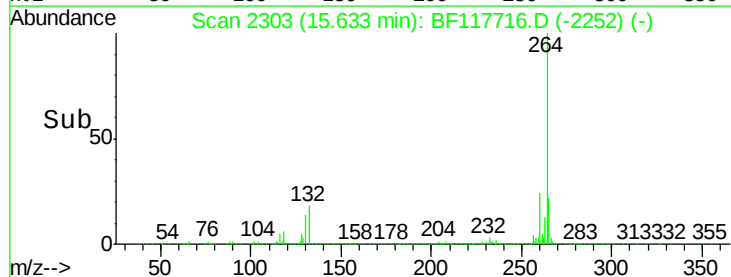
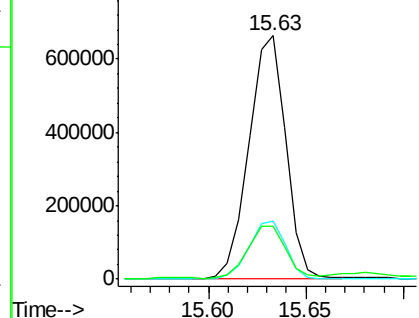


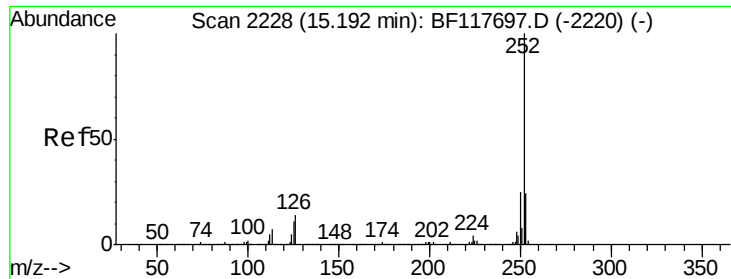
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BF117716.D
 Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.0	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

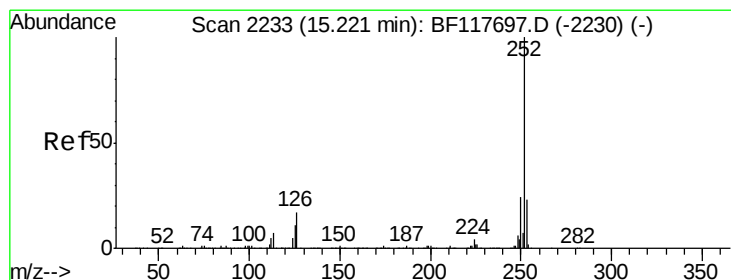
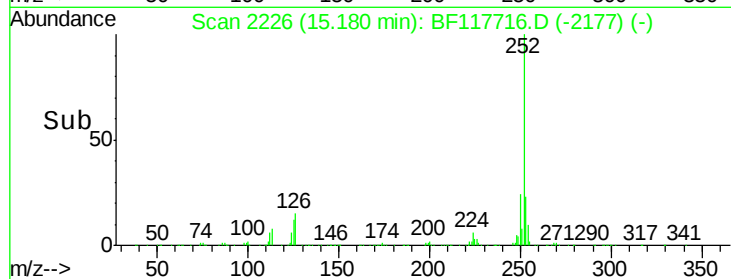
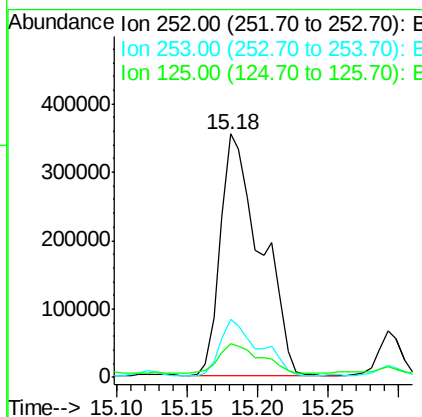
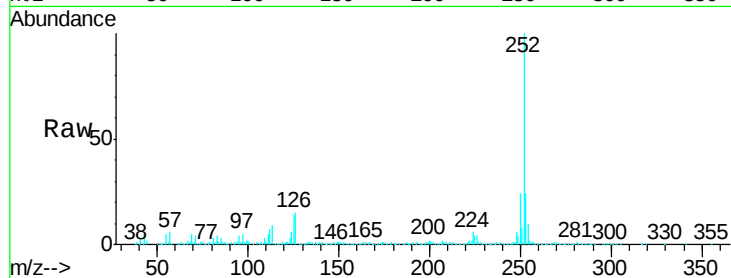




#88
Benzo(b)fluoranthene
Concen: 12.947 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

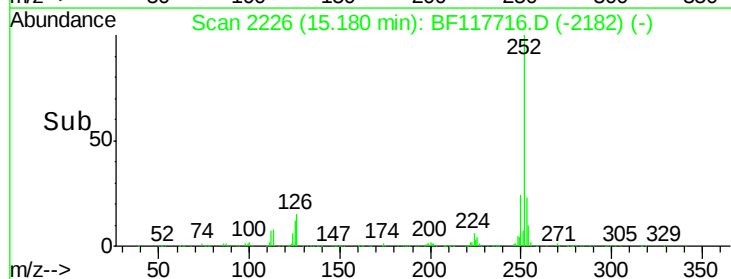
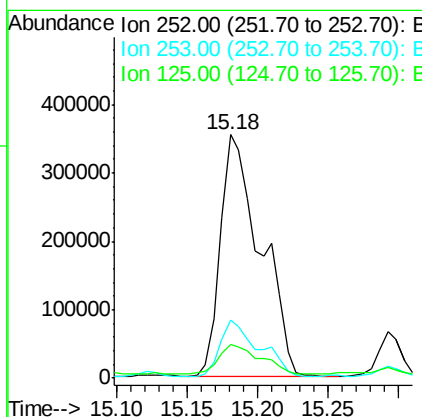
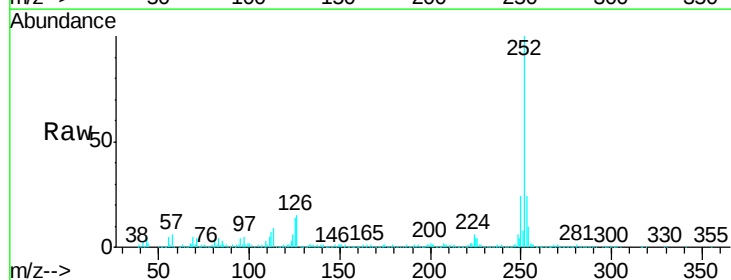
Instrument :
BNA_F
ClientSampled :
4-E

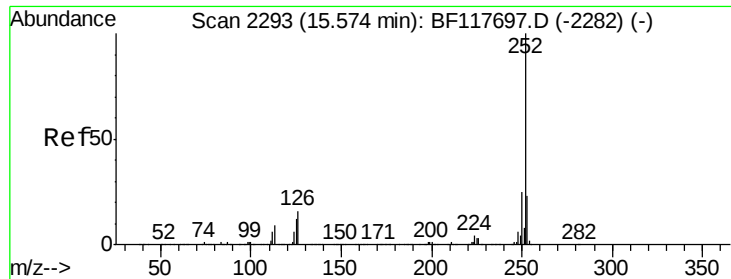
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	13.6	8.5	12.7#



#89
Benzo(k)fluoranthene
Concen: 14.516 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.6	9.1	13.7

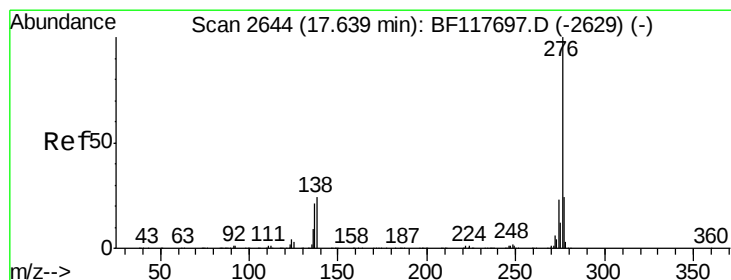
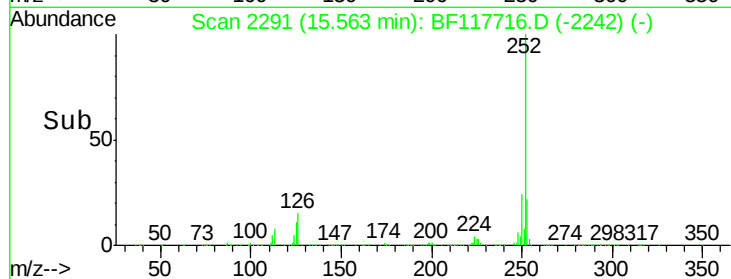
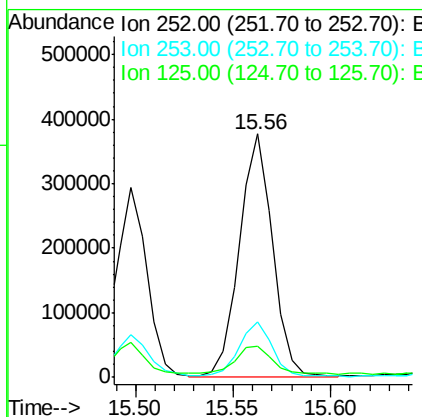
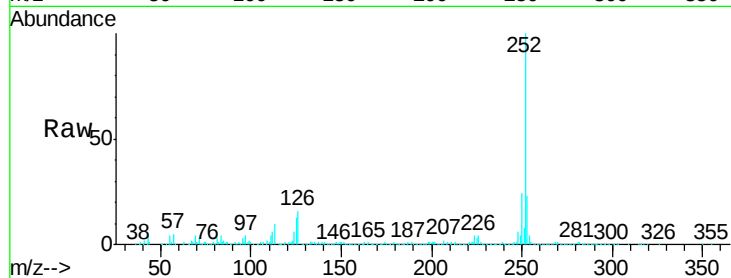




#90
Benzo(a)pyrene
Concen: 9.276 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Instrument :
BNA_F
ClientSampleId :
4-E

Tgt Ion:252 Resp: 439670
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.6 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 5.521 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117716.D
Acq: 7 Nov 2019 20:27

Tgt Ion:276 Resp: 227424
Ion Ratio Lower Upper
276 100
277 22.9 19.4 29.0
138 24.2 19.2 28.8

