

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117718.D
 Acq On : 7 Nov 2019 21:21
 Operator : JU
 Sample : K5722-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-A

Quant Time: Nov 08 01:27:02 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	318751	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1219930	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	632463	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1087299	20.00	ng	0.00
76) Chrysene-d12	14.12	240	722692	20.00	ng	0.00
87) Perylene-d12	15.63	264	895780	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1838261	104.39	ng	0.00
7) Phenol-d6	6.55	99	2347221	108.10	ng	0.00
23) Nitrobenzene-d5	7.49	82	1412434	68.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	635947	102.79	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2541341	79.28	ng	0.00
79) Terphenyl-d14	13.06	244	2390560	68.10	ng	0.00

Target Compounds

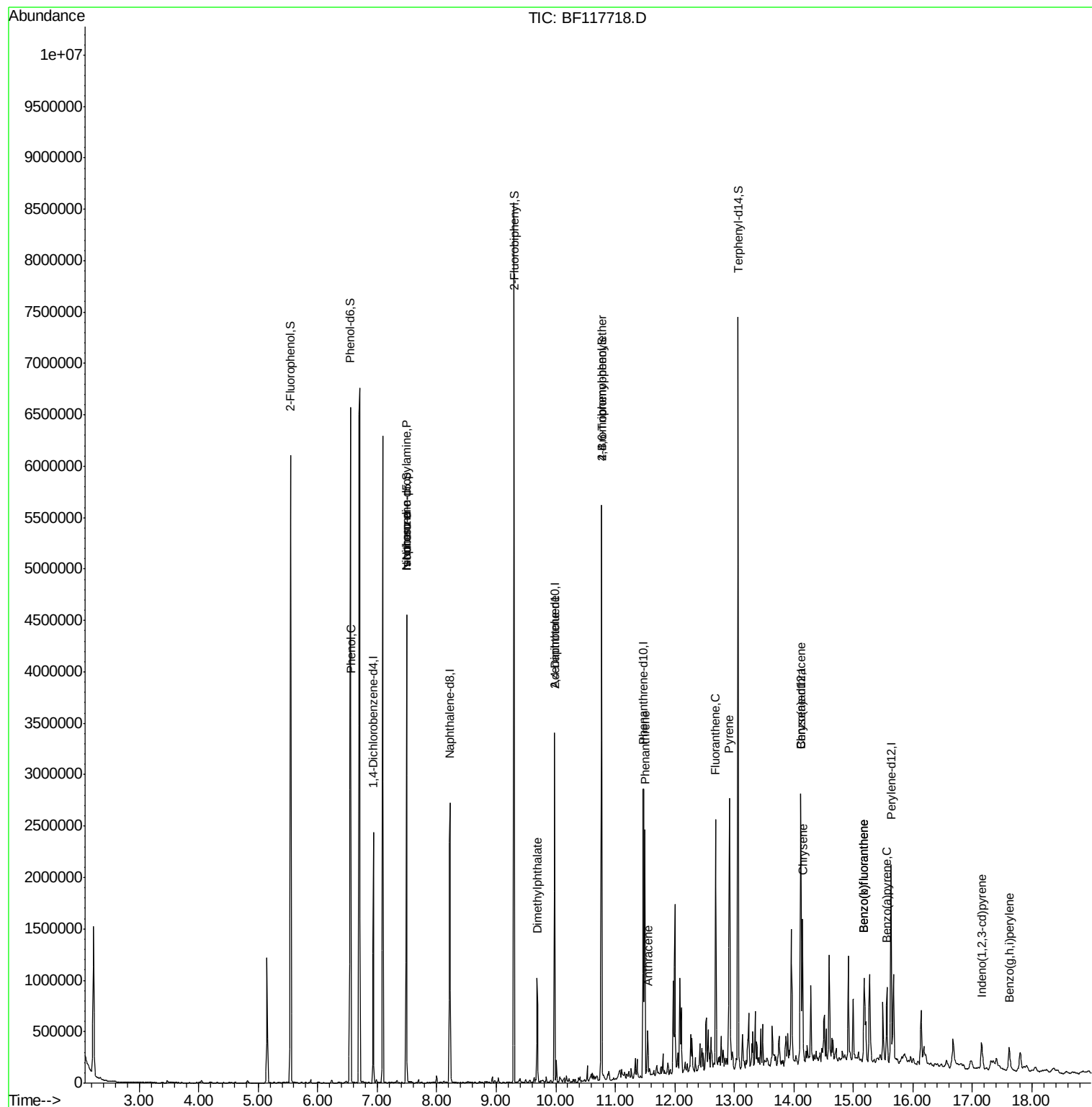
						Qvalue
10) Phenol	6.56	94	84257	3.601	ng	95
19) n-Nitroso-di-n-propylamine	7.49	70	193021	13.520	ng	# 78
25) Isophorone	7.49	82	1410786	35.697	ng	# 62
50) Dimethylphthalate	9.69	163	373792	8.742	ng	99
57) 2,4-Dinitrotoluene	9.98	165	82421	6.711	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	40399	3.402	ng	# 1
71) Phenanthrene	11.50	178	910987	17.480	ng	95
72) Anthracene	11.55	178	136975	2.642	ng	96
75) Fluoranthene	12.69	202	842341	15.829	ng	95
78) Pyrene	12.92	202	1125036	21.325	ng	96
81) Benzo(a)anthracene	14.11	228	486500	10.815	ng	98
83) Chrysene	14.14	228	517777	11.655	ng	98
86) Indeno(1,2,3-cd)pyrene	17.16	276	175801	4.252	ng	95
88) Benzo(b)fluoranthene	15.18	252	595202	10.550	ng	98
89) Benzo(k)fluoranthene	15.18	252	595202	11.829	ng	99
90) Benzo(a)pyrene	15.56	252	352248	7.202	ng	98
92) Benzo(g,h,i)perylene	17.62	276	176778	4.159	ng	99

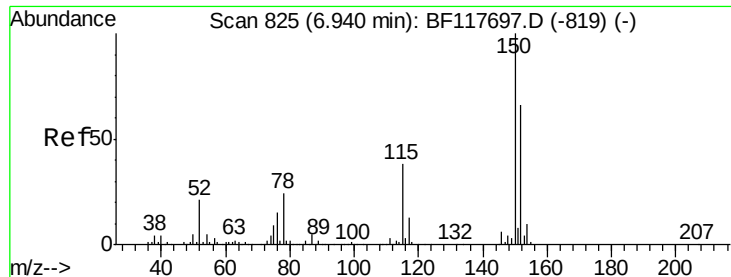
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
Data File : BF117718.D
Acq On : 7 Nov 2019 21:21
Operator : JU
Sample : K5722-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4-A

Quant Time: Nov 08 01:27:02 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



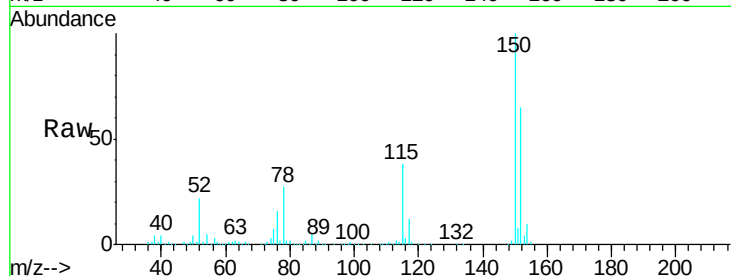


#1

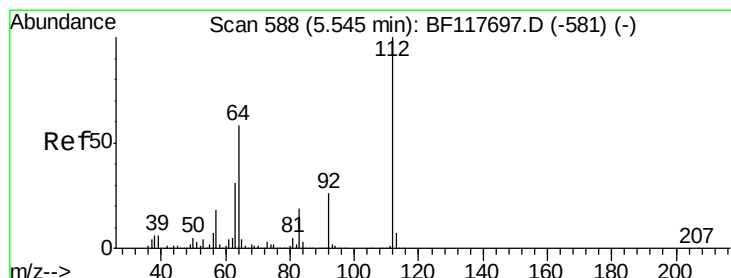
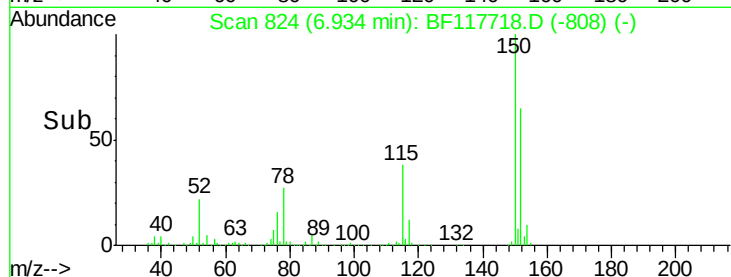
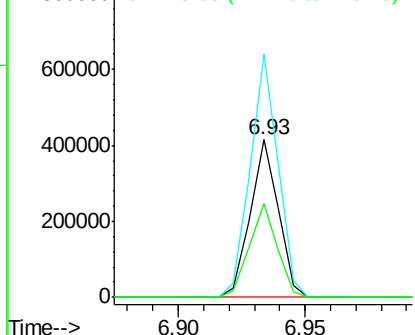
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Instrument :
BNA_F
ClientSampleId :
4-A

Tgt Ion:152 Resp: 318751
Ion Ratio Lower Upper
152 100
150 154.8 121.4 182.2
115 59.5 46.7 70.1



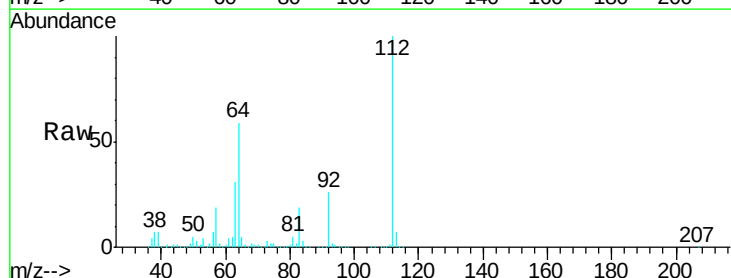
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



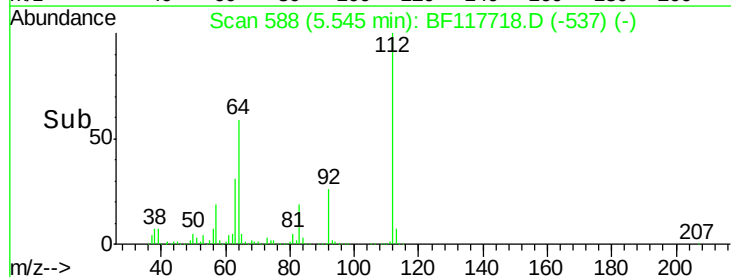
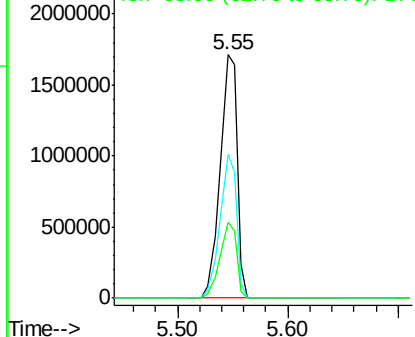
#5

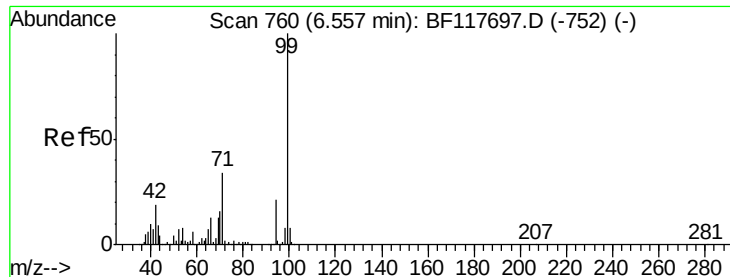
2-Fluorophenol
Concen: 104.393 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Tgt Ion:112 Resp: 1838261
Ion Ratio Lower Upper
112 100
64 59.0 46.4 69.6
63 31.3 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: 108.105 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampled :

4-A

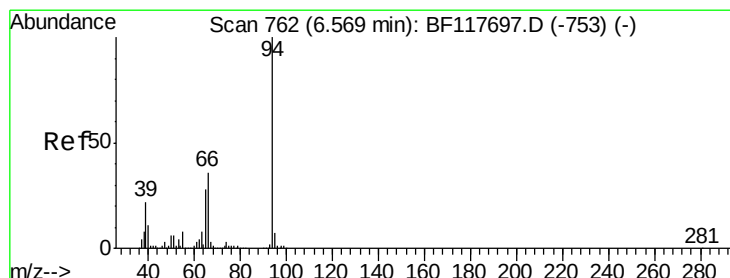
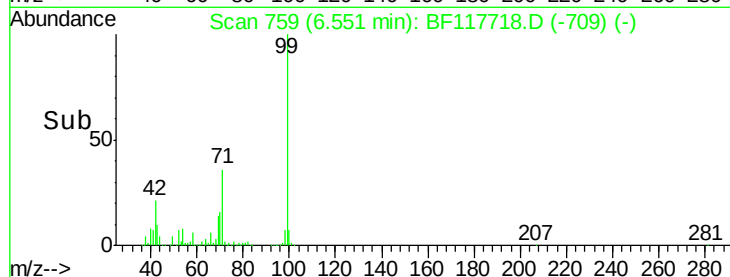
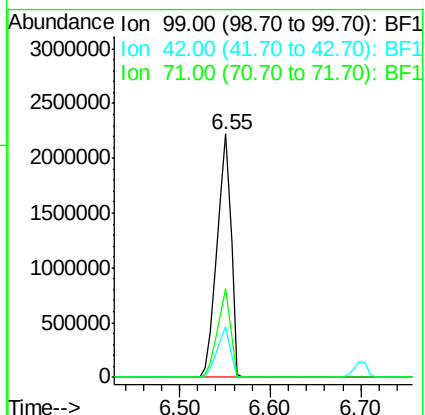
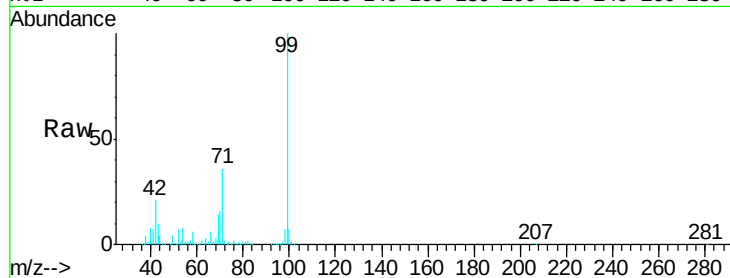
Tgt Ion: 99 Resp: 2347221

Ion Ratio Lower Upper

99 100

42 20.6 15.3 22.9

71 36.4 26.8 40.2



#10

Phenol

Concen: 3.601 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

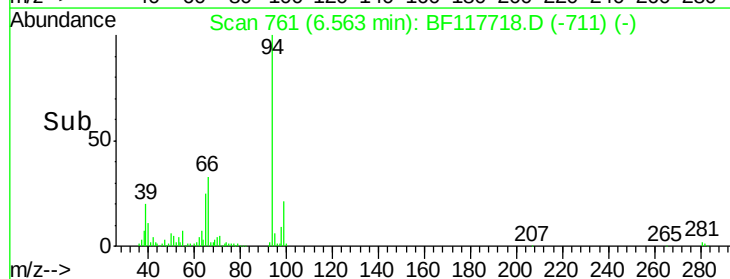
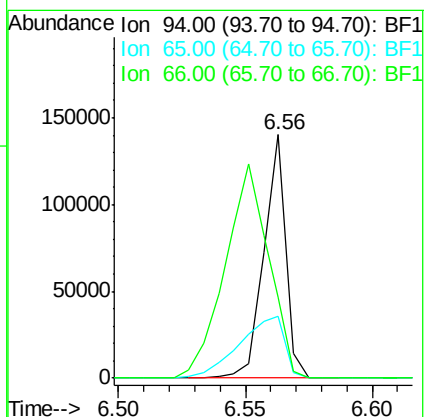
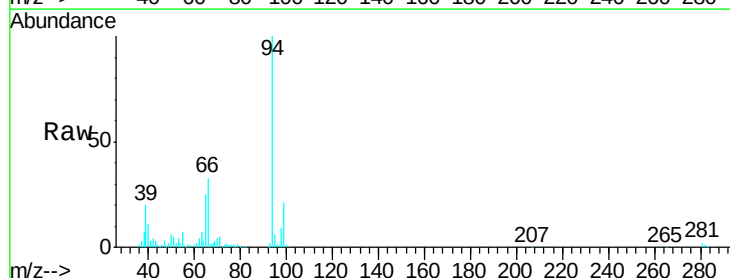
Tgt Ion: 94 Resp: 84257

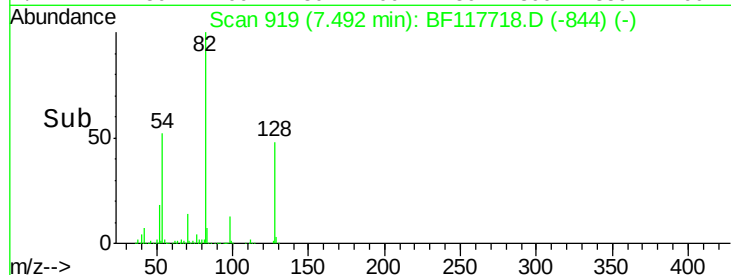
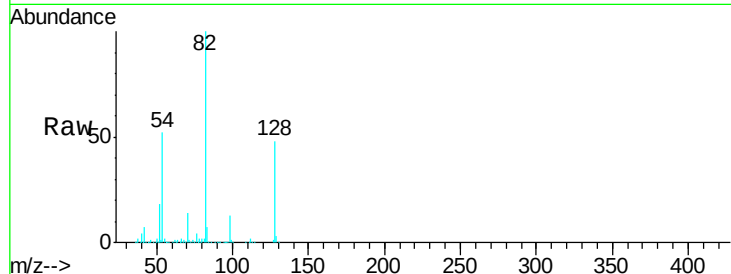
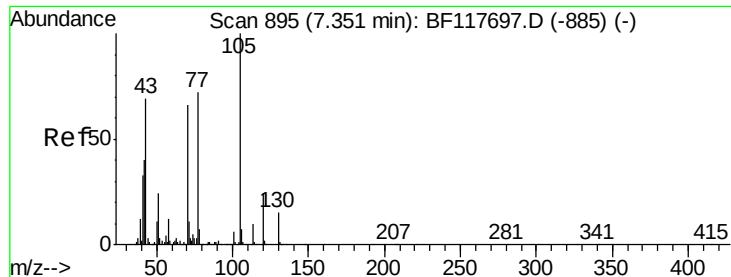
Ion Ratio Lower Upper

94 100

65 25.2 7.6 47.6

66 33.1 16.1 56.1

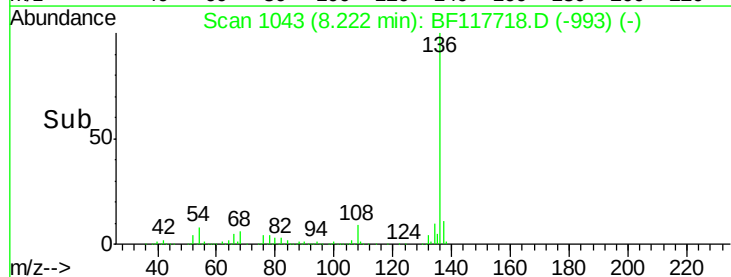
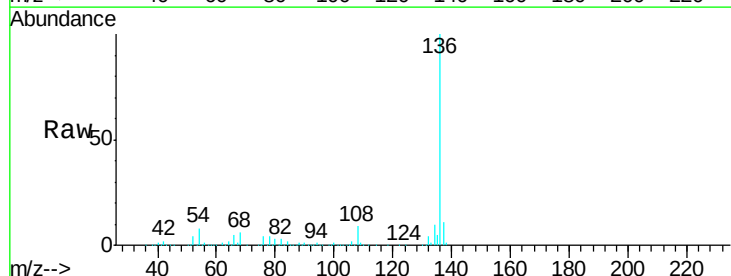
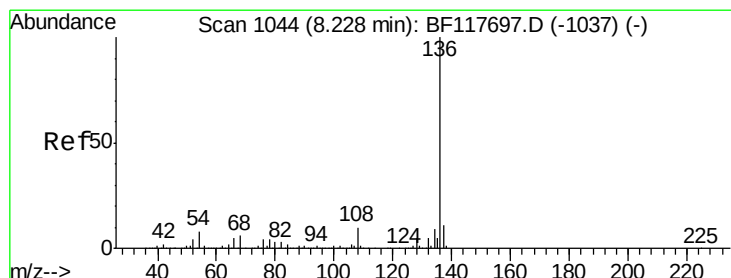
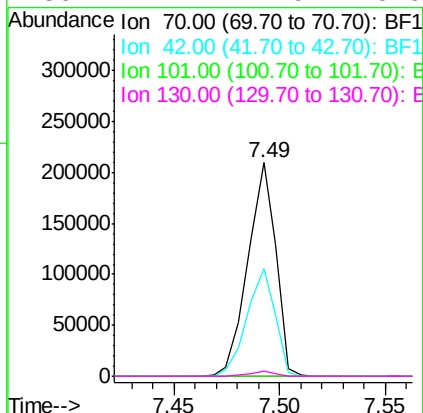




#19
n-Nitroso-di-n-propylamine
Concen: 13.520 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

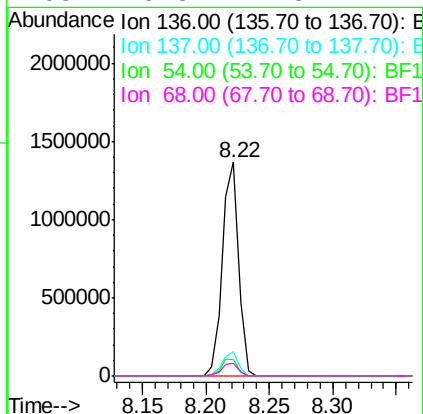
Instrument :
BNA_F
ClientSampleId :
4-A

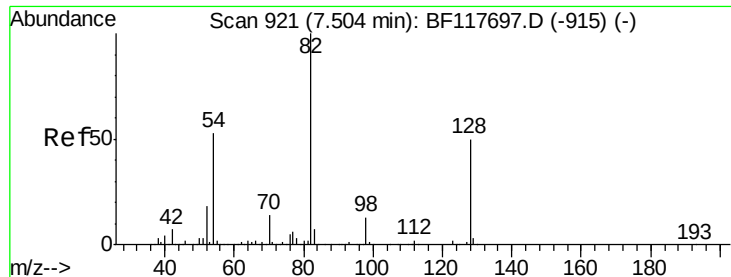
Tgt Ion:	70	Resp:	193021
Ion	Ratio	Lower	Upper
70	100		
42	50.3	49.1	73.7
101	0.0	7.8	11.8#
130	2.4	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Tgt Ion:	136	Resp:	1219930
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.6	6.0	9.0
68	5.8	4.8	7.2

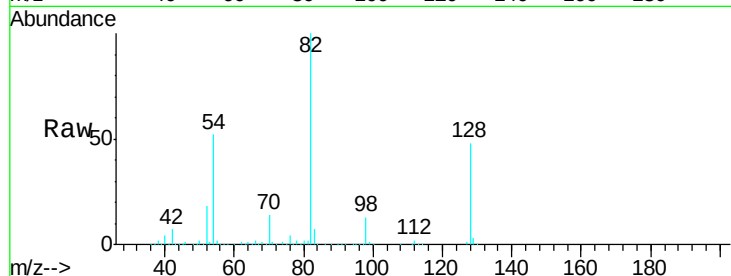




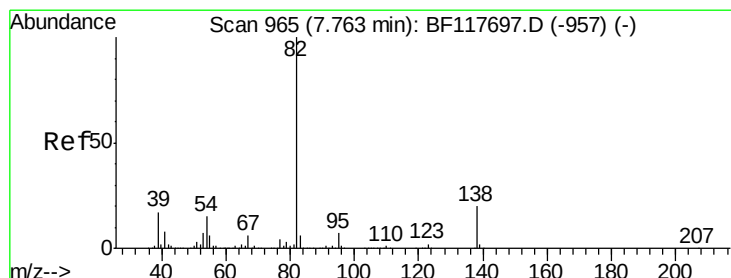
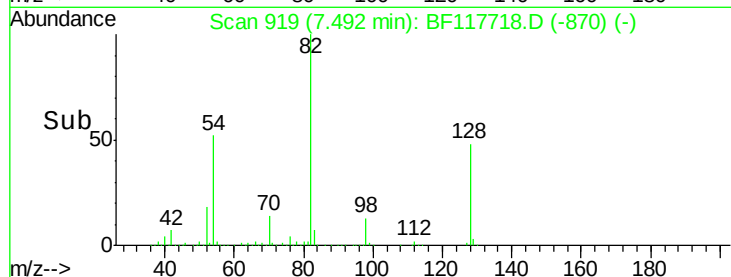
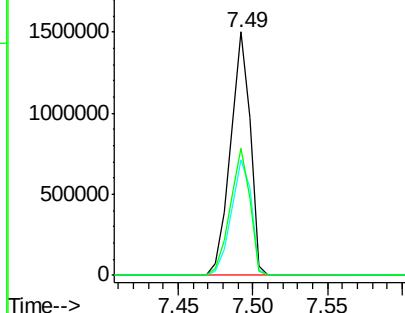
#23
Nitrobenzene-d5
Concen: 68.355 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Instrument :
BNA_F
ClientSampleId :
4-A

Tgt Ion: 82 Resp: 1412434
Ion Ratio Lower Upper
82 100
128 47.5 40.2 60.2
54 52.4 42.0 63.0

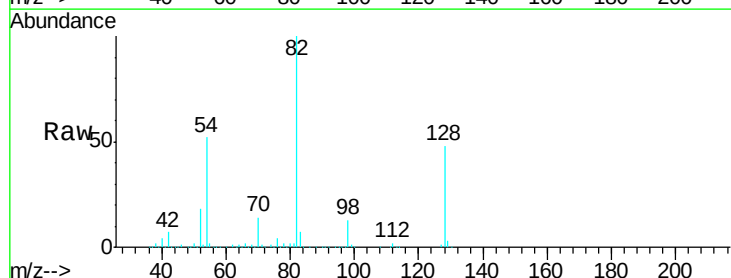


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

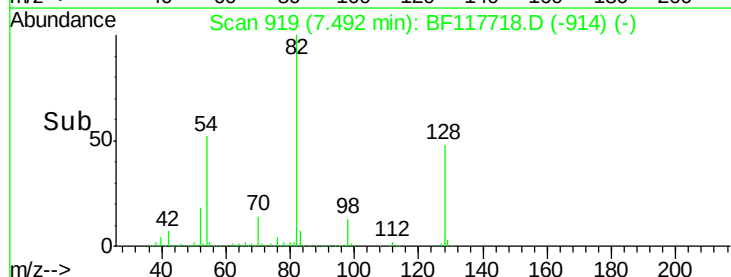
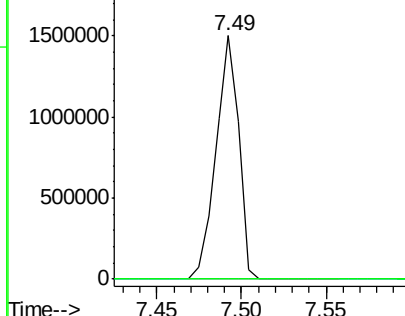


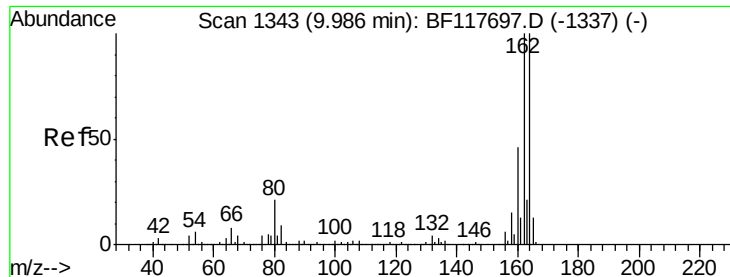
#25
Isophorone
Concen: 35.697 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Tgt Ion: 82 Resp: 1410786
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
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

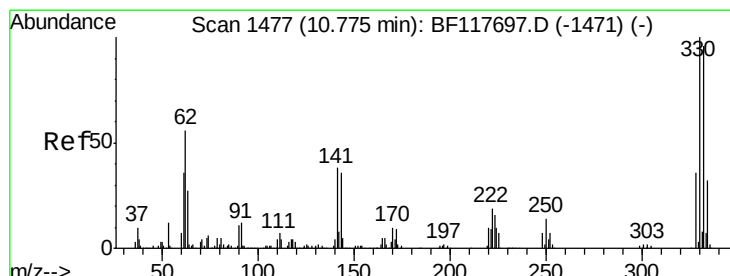
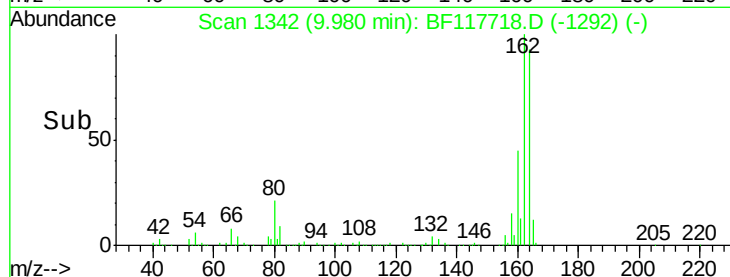
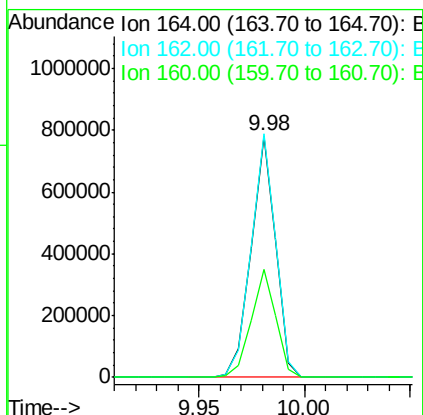
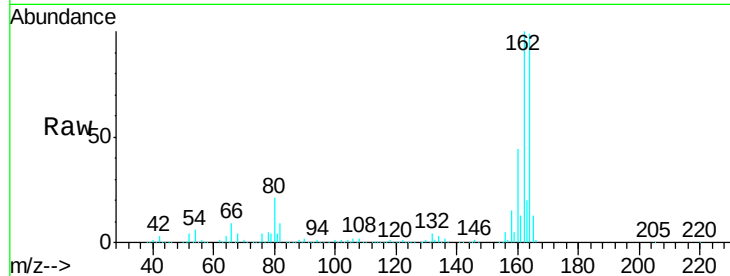




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

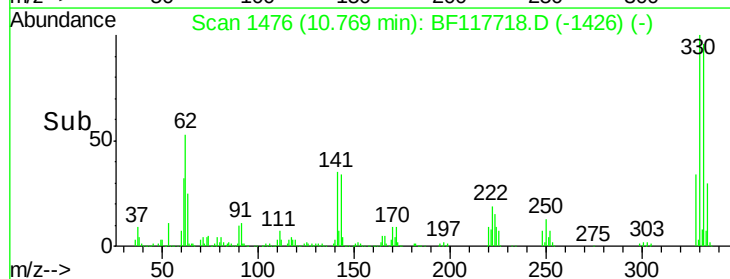
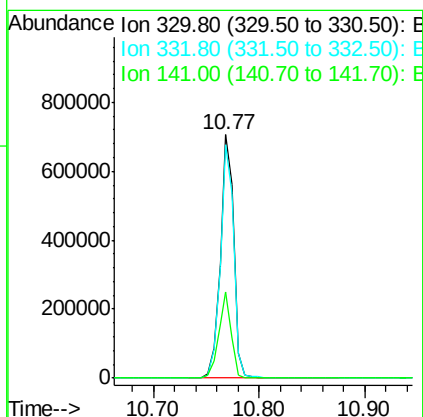
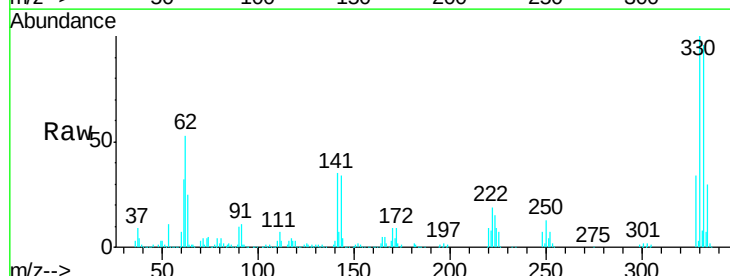
Instrument :
 BNA_F
 ClientSampled :
 4-A

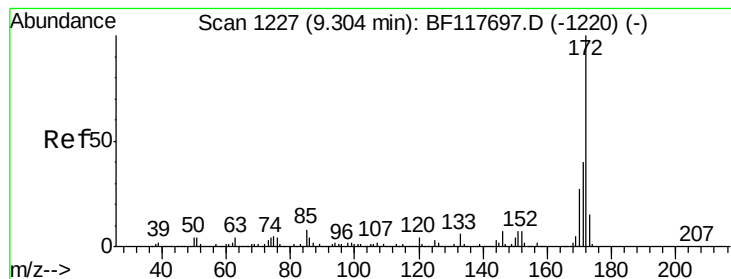
Tgt Ion:164 Resp: 632463
 Ion Ratio Lower Upper
 164 100
 162 101.0 79.7 119.5
 160 44.9 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 102.789 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

Tgt Ion:330 Resp: 635947
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.0
 141 33.7 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 79.279 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

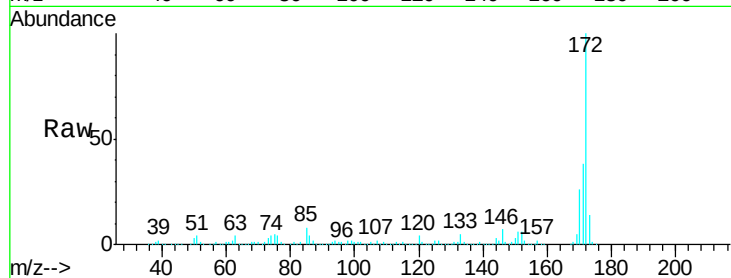
Tgt Ion:172 Resp: 2541341

Ion Ratio Lower Upper

172 100

171 37.8 31.8 47.8

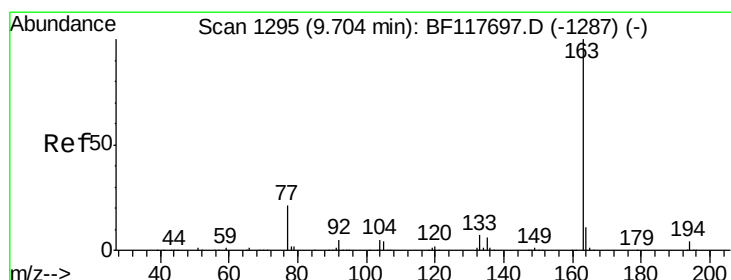
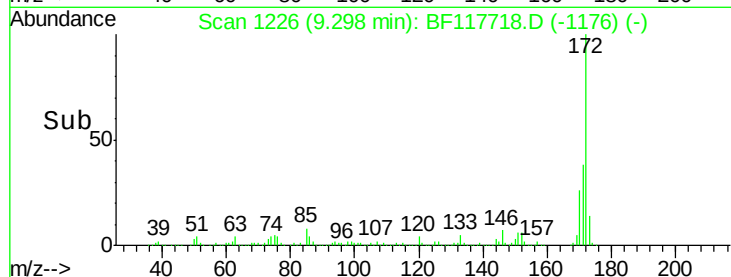
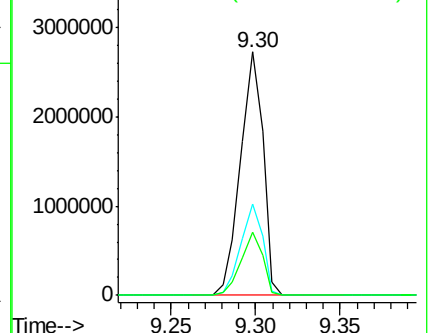
170 26.2 21.6 32.4



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: 8.742 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

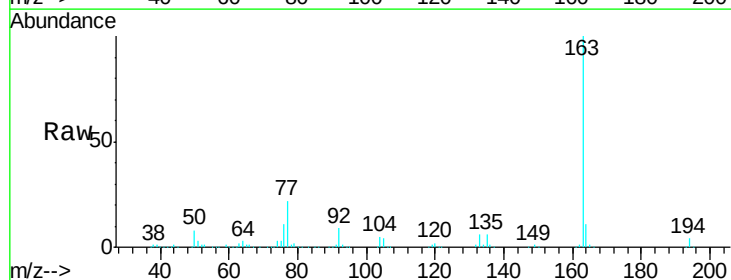
Tgt Ion:163 Resp: 373792

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

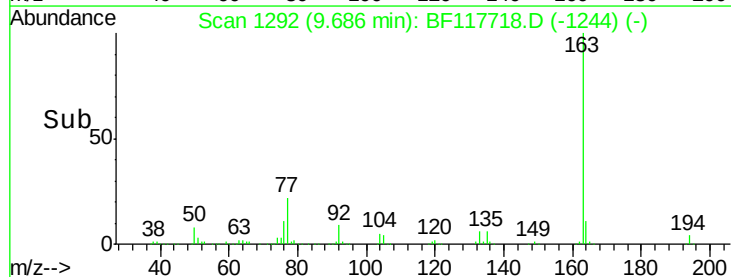
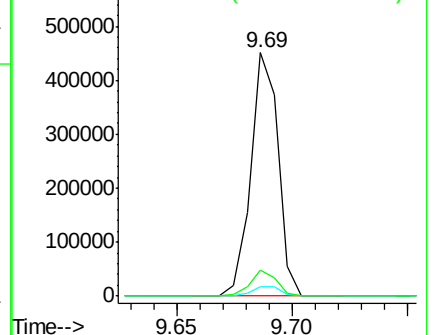
164 10.6 8.9 13.3

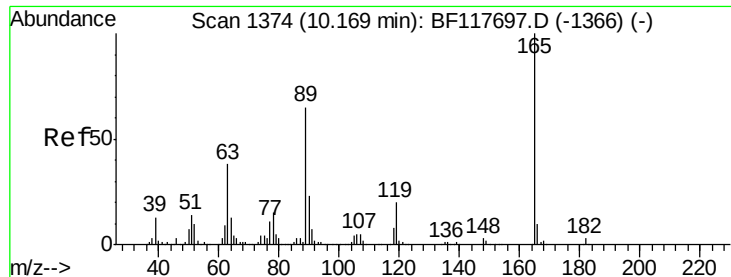


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 6.711 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.19 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

Tgt Ion:165 Resp: 82421

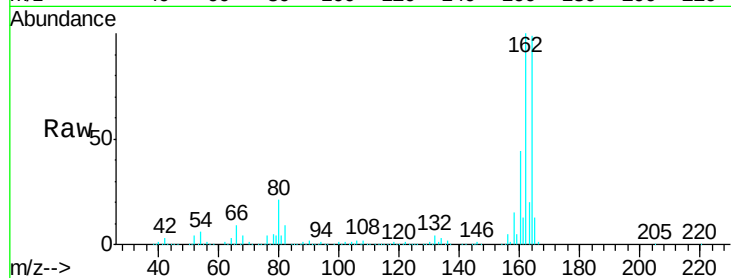
Ion Ratio Lower Upper

165 100

63 1.1 30.4 45.6#

89 1.3 52.2 78.4#

182 0.0 2.3 3.5#



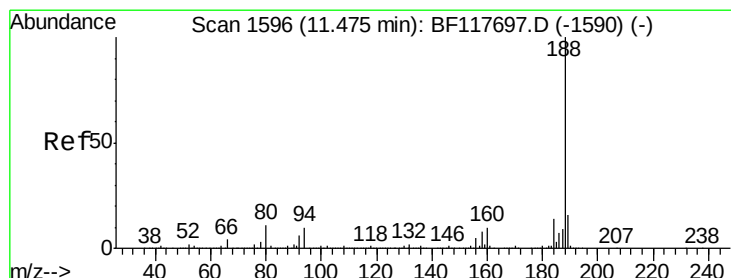
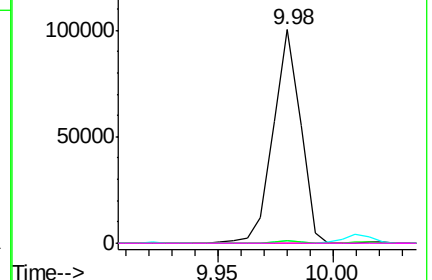
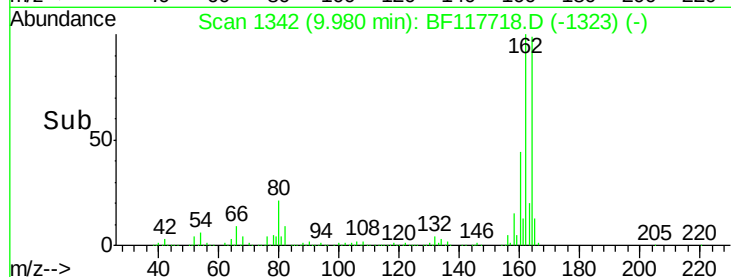
Abundance

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: BF117718.D

Acq: 7 Nov 2019 21:21

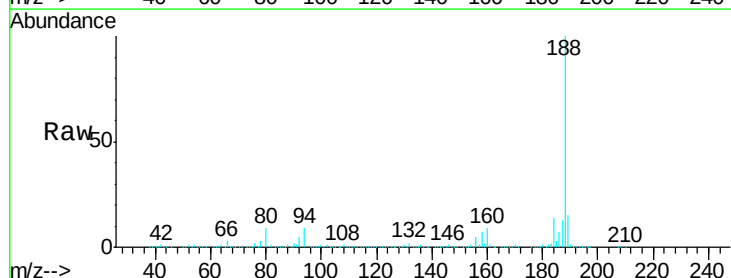
Tgt Ion:188 Resp: 1087299

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

80 9.3 8.6 13.0

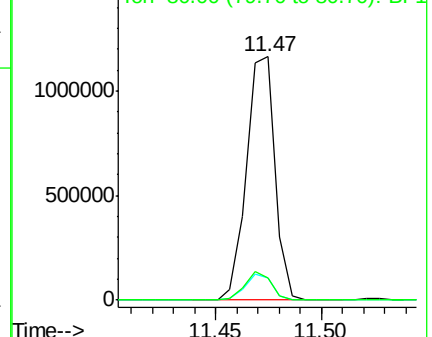
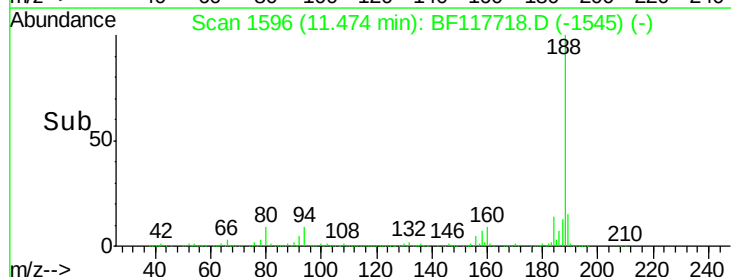


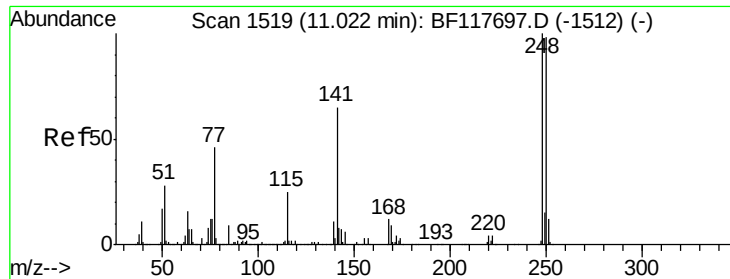
Abundance

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

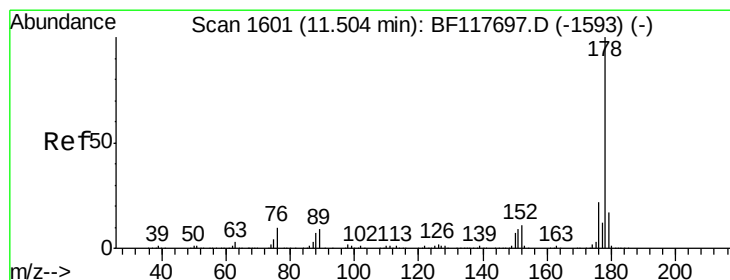
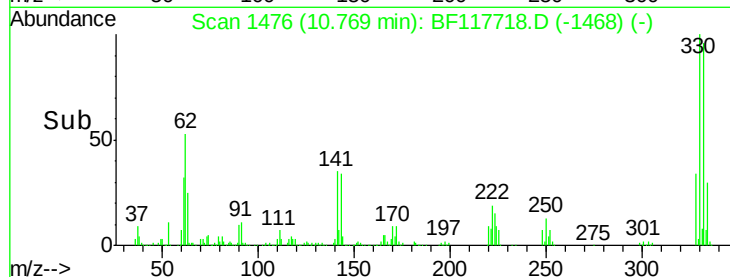
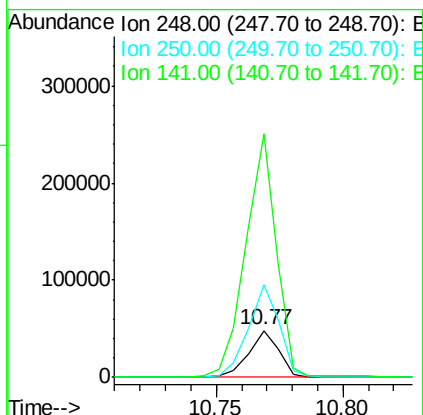
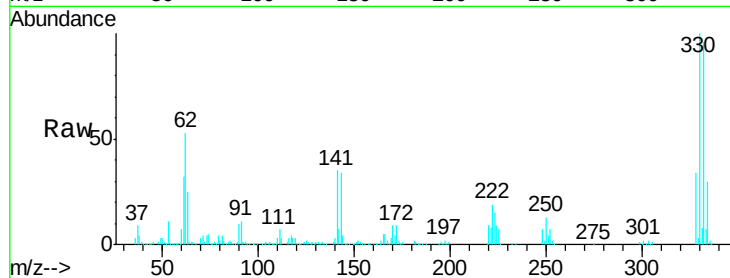




#67
 4-Bromophenyl-phenylether
 Concen: 3.402 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

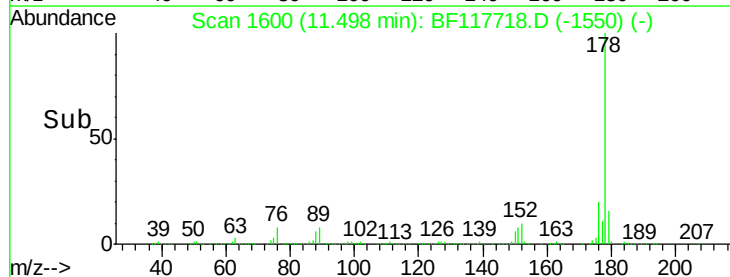
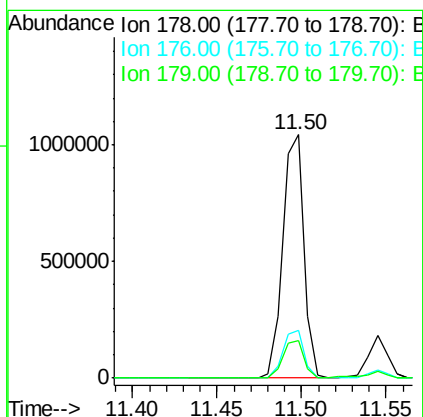
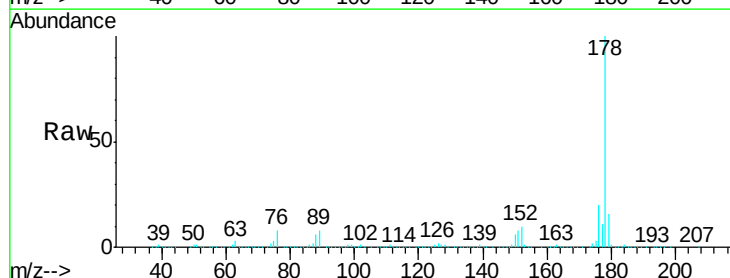
Instrument :
 BNA_F
 ClientSampleId :
 4-A

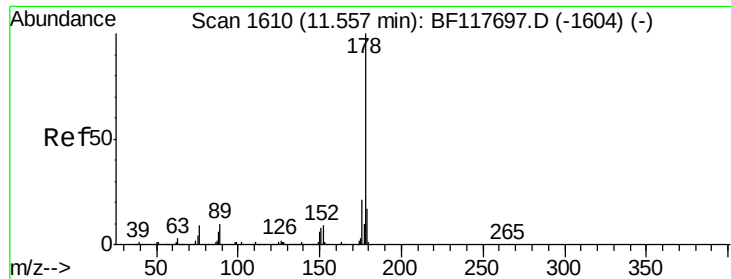
Tgt Ion:248 Resp: 40399
 Ion Ratio Lower Upper
 248 100
 250 196.9 78.7 118.1#
 141 520.9 51.8 77.8#



#71
 Phenanthrene
 Concen: 17.480 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

Tgt Ion:178 Resp: 910987
 Ion Ratio Lower Upper
 178 100
 176 19.7 17.7 26.5
 179 15.6 13.8 20.8

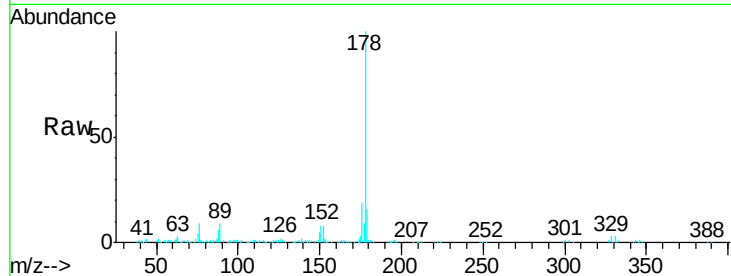




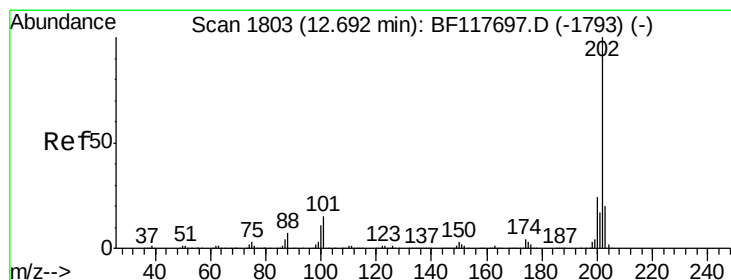
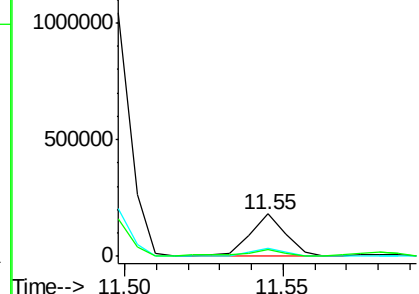
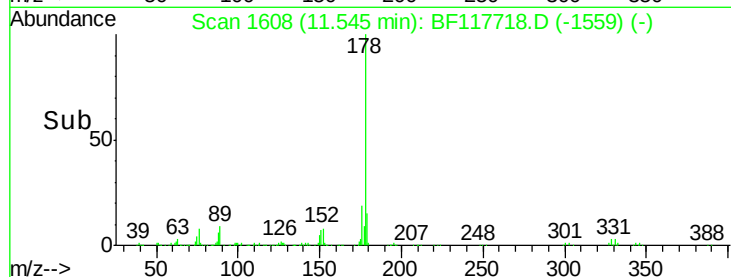
#72
 Anthracene
 Concen: 2.642 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

Instrument :
 BNA_F
 ClientSampled :
 4-A

Tgt Ion:178 Resp: 136975
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.6 25.0
 179 15.7 13.5 20.3

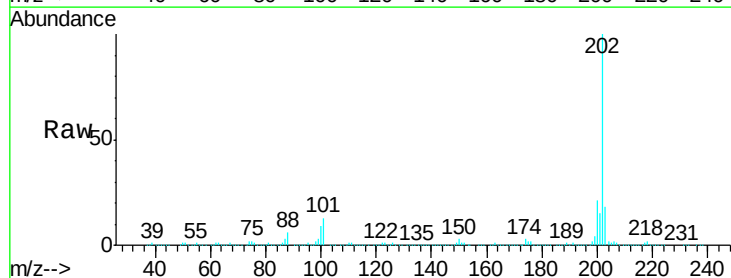


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

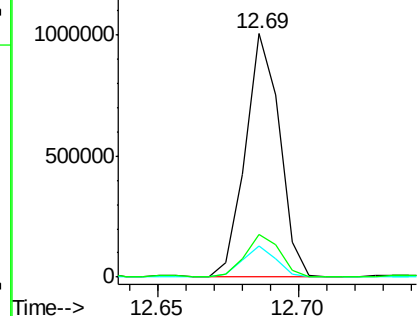
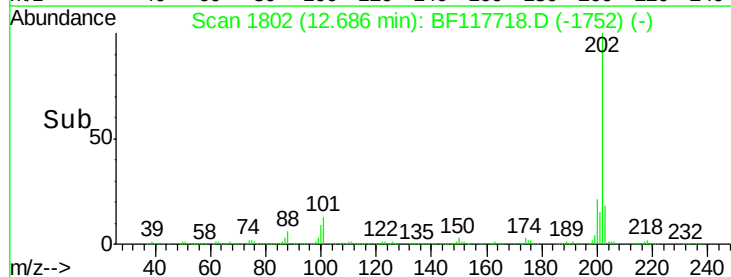


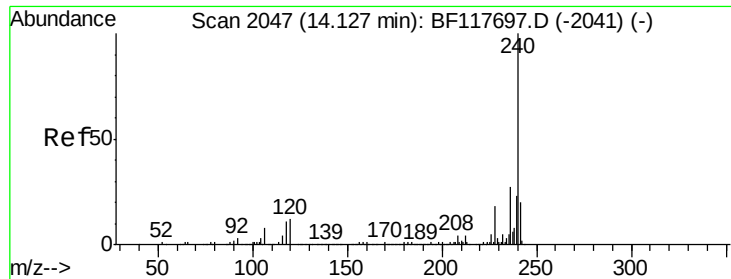
#75
 Fluoranthene
 Concen: 15.829 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF117718.D
 Acq: 7 Nov 2019 21:21

Tgt Ion:202 Resp: 842341
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.5
 203 17.7 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

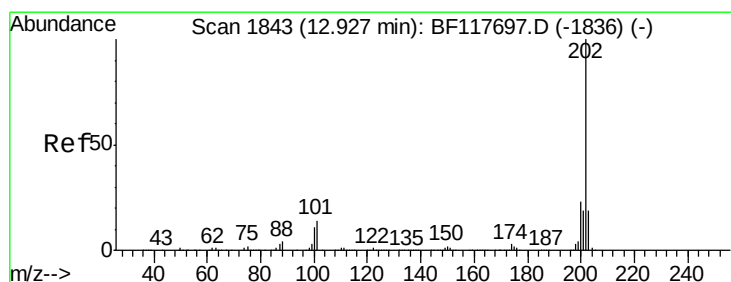
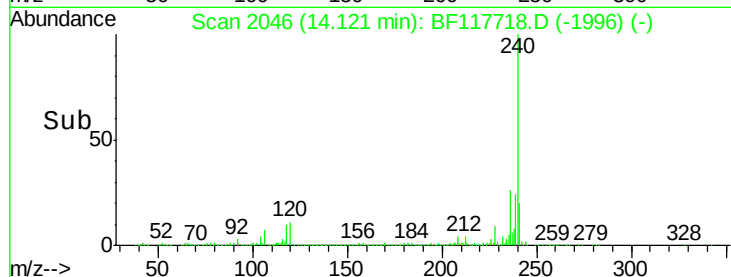
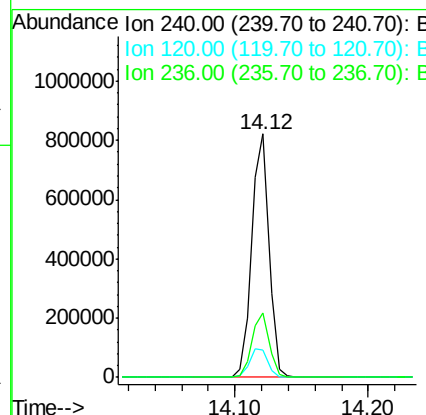
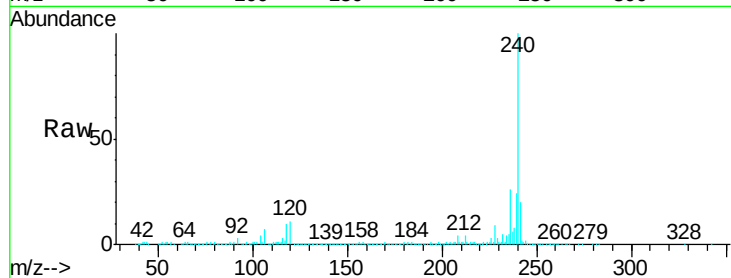




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

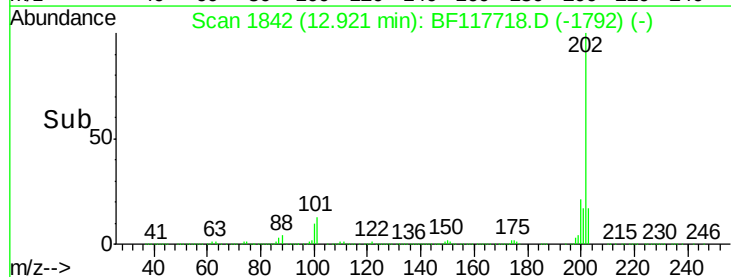
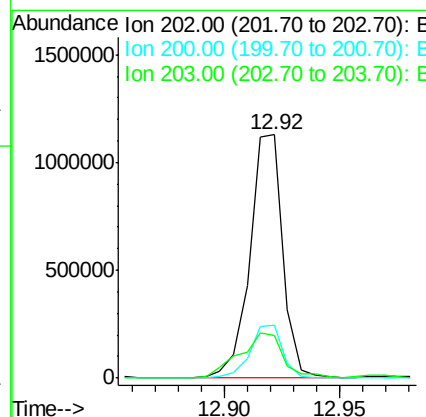
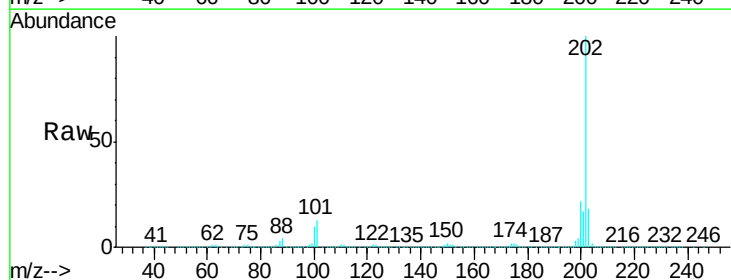
Instrument :
BNA_F
ClientSampleId :
4-A

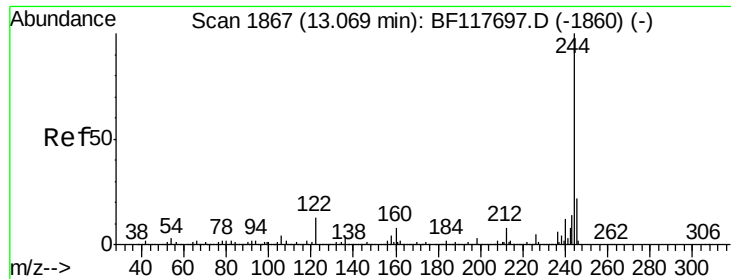
Tgt Ion:240 Resp: 722692
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 26.5 21.9 32.9



#78
Pyrene
Concen: 21.325 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117718.D
Acq: 7 Nov 2019 21:21

Tgt Ion:202 Resp: 1125036
Ion Ratio Lower Upper
202 100
200 21.6 18.8 28.2
203 17.6 15.2 22.8





#79

Terphenyl-d14

Concen: 68.095 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

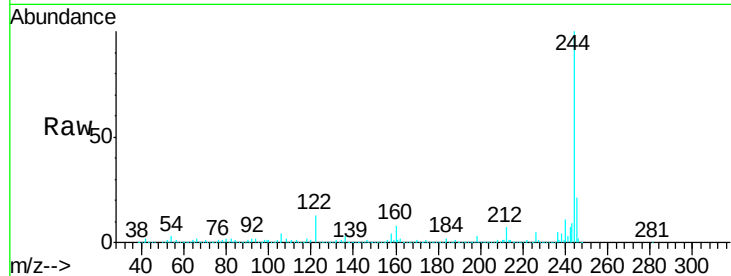
Tgt Ion:244 Resp: 2390560

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

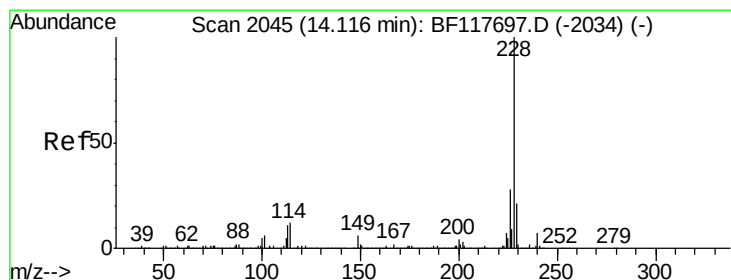
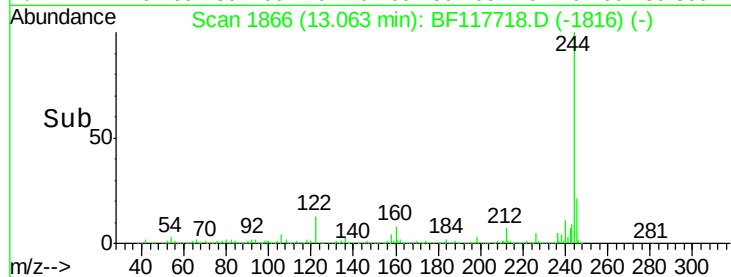
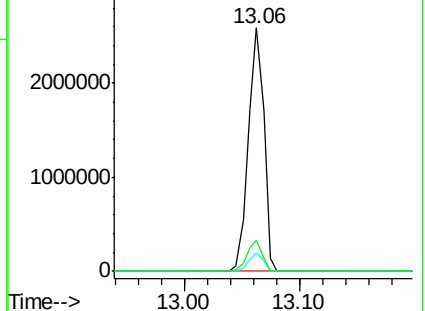
122 12.9 10.0 15.0



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: 10.815 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

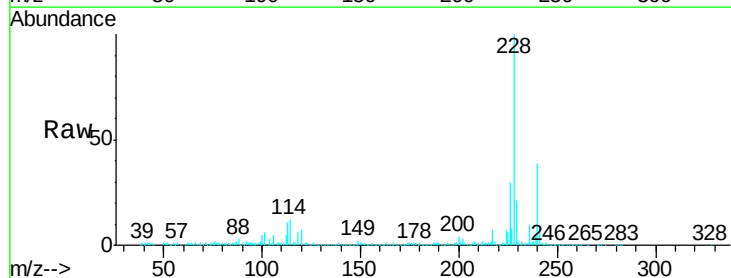
Tgt Ion:228 Resp: 486500

Ion Ratio Lower Upper

228 100

226 30.1 22.8 34.2

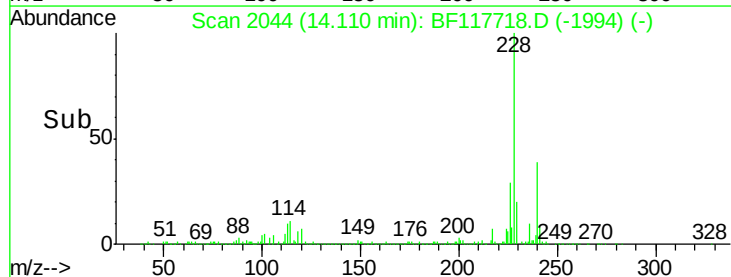
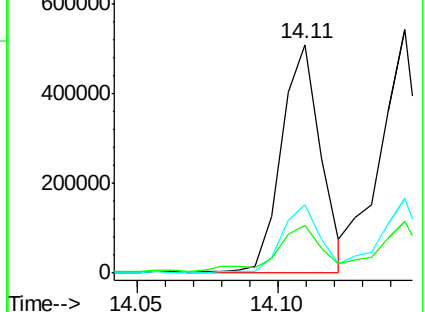
229 20.9 16.9 25.3

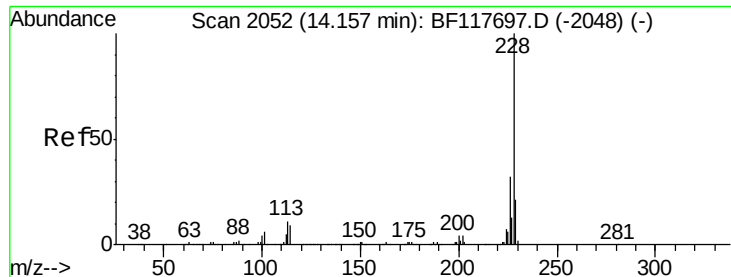


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.655 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

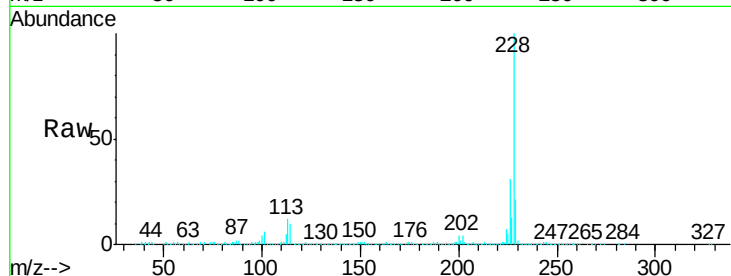
Tgt Ion:228 Resp: 517777

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

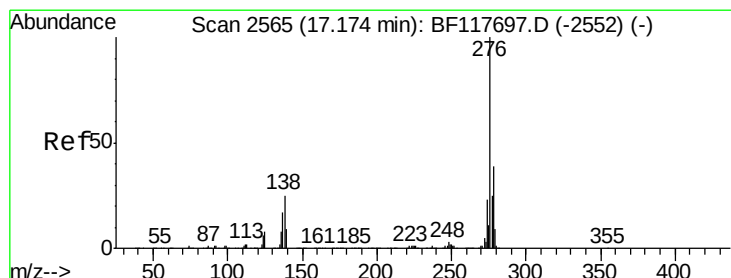
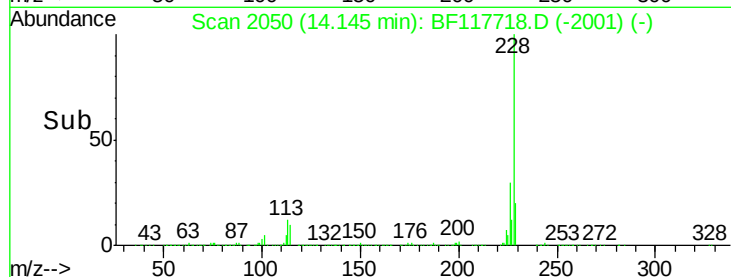
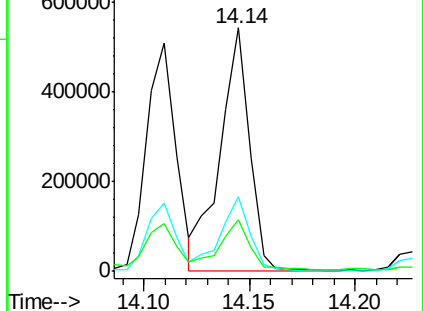
229 21.3 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.252 ng

RT: 17.16 min Scan# 2562

Delta R.T. -0.02 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

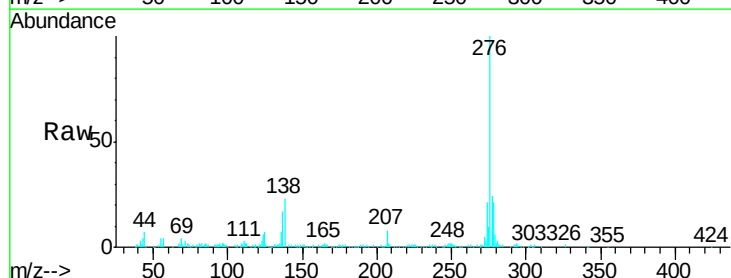
Tgt Ion:276 Resp: 175801

Ion Ratio Lower Upper

276 100

138 23.6 22.4 33.6

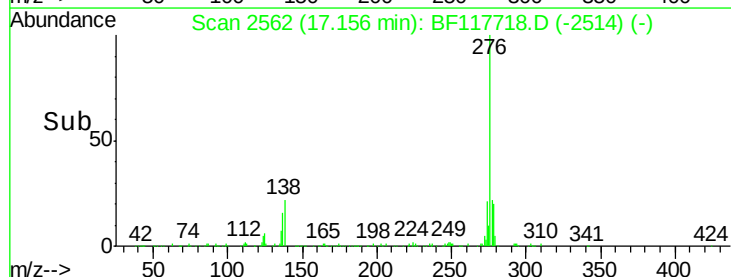
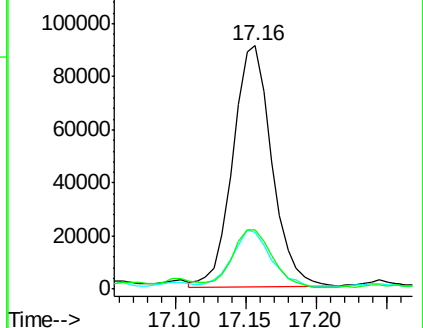
277 24.7 20.6 30.8

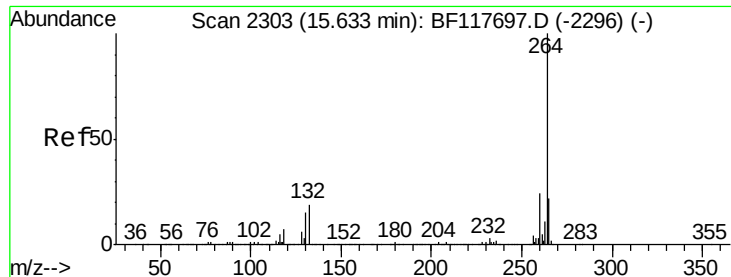


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

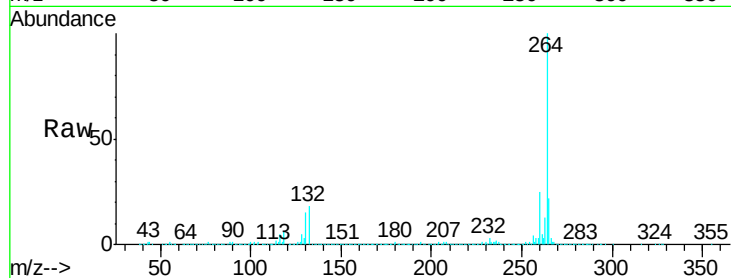
Tgt Ion:264 Resp: 895780

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

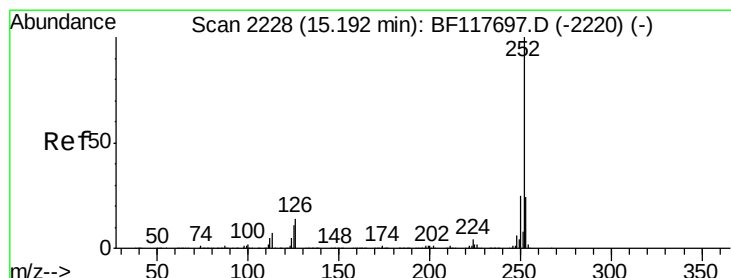
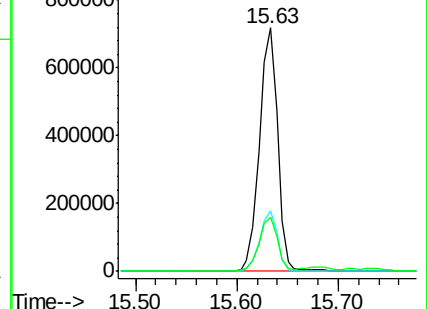
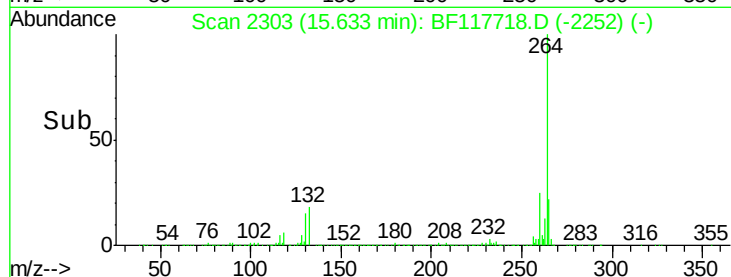
265 22.0 17.7 26.5



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: 10.550 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

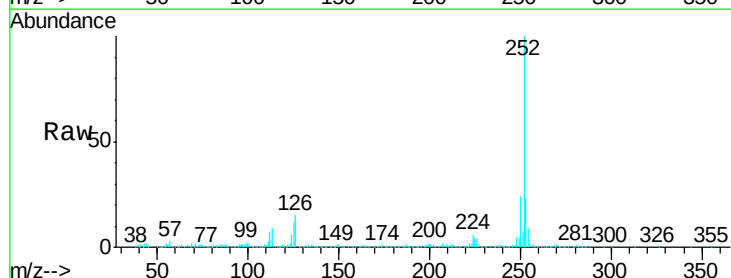
Tgt Ion:252 Resp: 595202

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

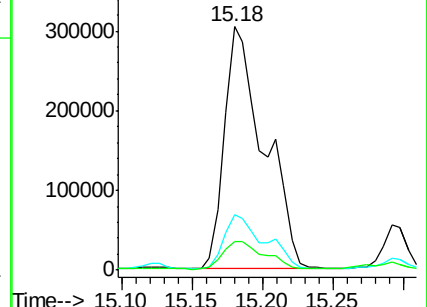
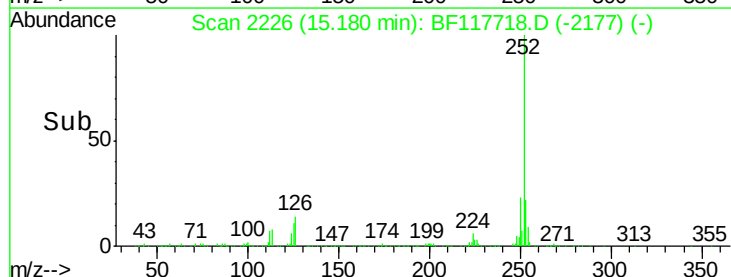
125 11.9 8.5 12.7

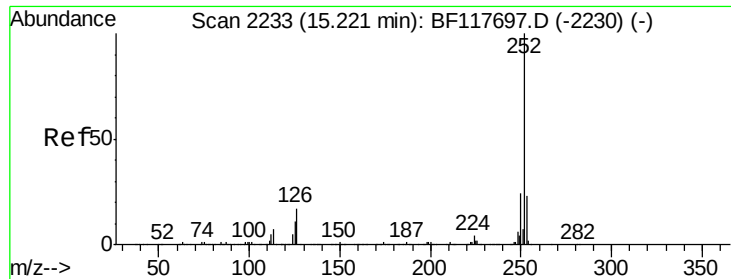


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.829 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.04 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

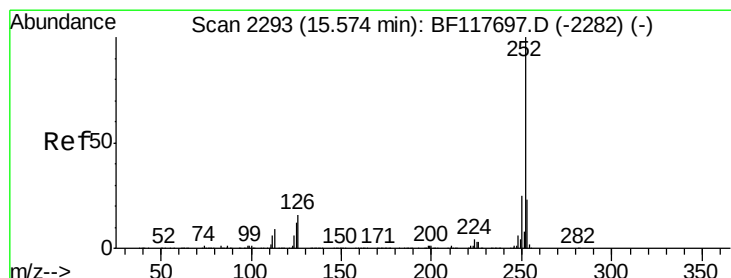
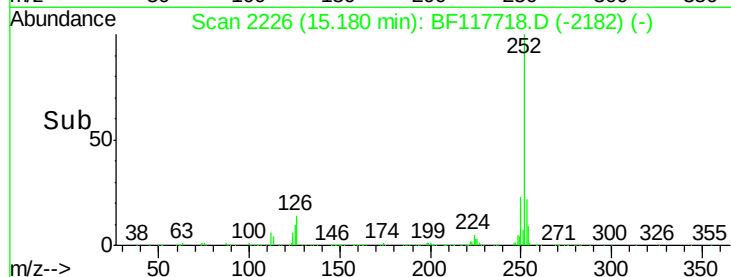
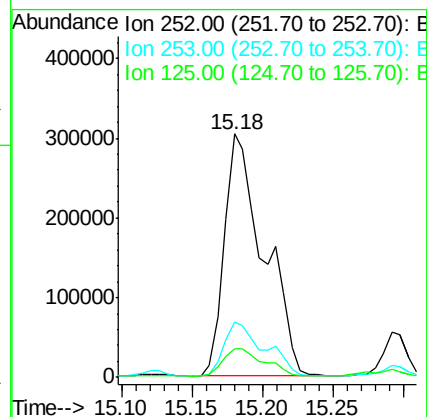
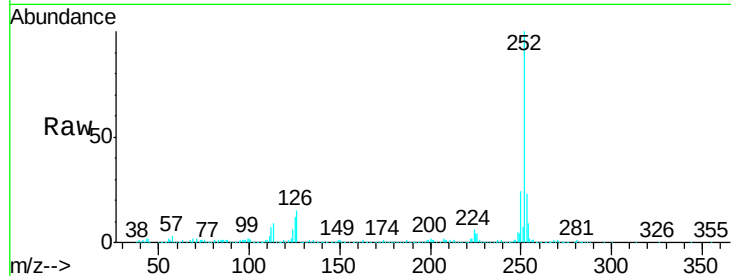
Instrument :

BNA_F

ClientSampleId :

4-A

Tgt Ion:	252	Resp:	595202
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.9	9.1	13.7



#90

Benzo(a)pyrene

Concen: 7.202 ng

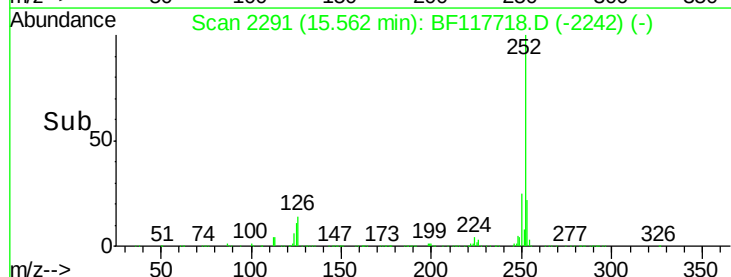
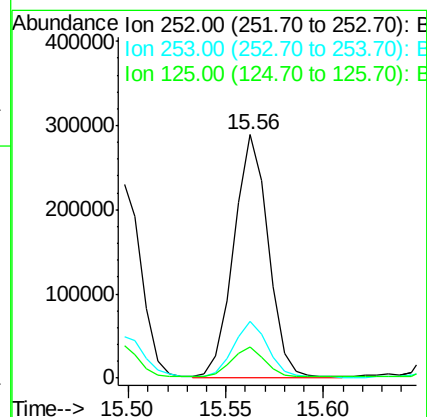
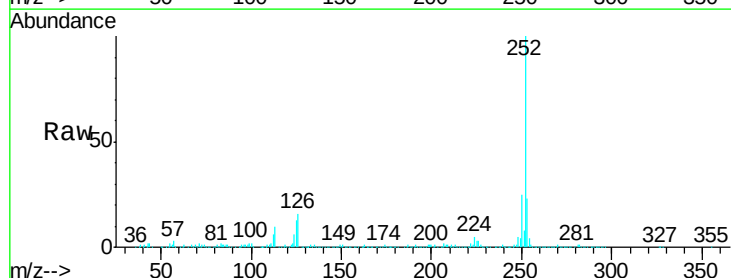
RT: 15.56 min Scan# 2291

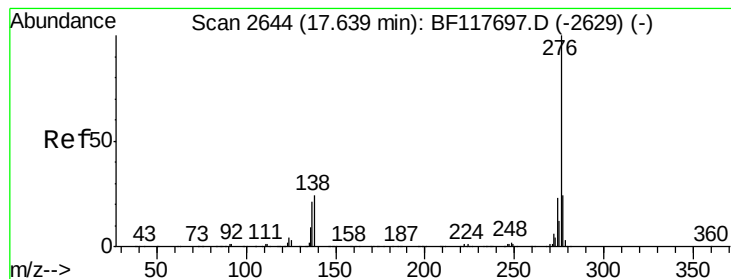
Delta R.T. -0.01 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Tgt Ion:	252	Resp:	352248
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.6	9.5	14.3





#92

Benzo(g,h,i)perylene

Concen: 4.159 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.02 min

Lab File: BF117718.D

Acq: 7 Nov 2019 21:21

Instrument :

BNA_F

ClientSampleId :

4-A

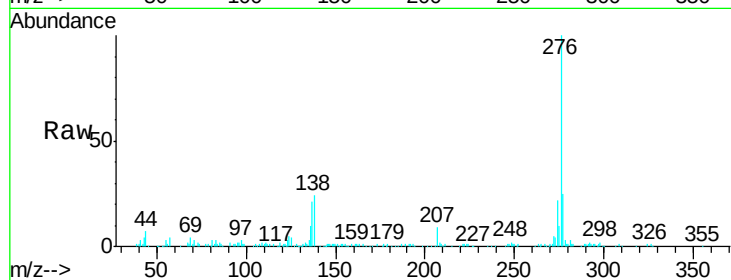
Tgt Ion: 276 Resp: 176778

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 23.9 19.2 28.8



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

