

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117711.D
 Acq On : 7 Nov 2019 18:13
 Operator : JU
 Sample : K5723-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-A

Quant Time: Nov 08 01:25:14 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	320129	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1243999	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	651583	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1186304	20.00	ng	0.00
76) Chrysene-d12	14.12	240	752922	20.00	ng	-0.01
87) Perylene-d12	15.63	264	884003	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1549291	87.60	ng	0.00
7) Phenol-d6	6.55	99	1979808	90.79	ng	0.00
23) Nitrobenzene-d5	7.49	82	1194542	56.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	543759	85.31	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2128139	64.44	ng	0.00
79) Terphenyl-d14	13.06	244	2173419	59.42	ng	0.00

Target Compounds

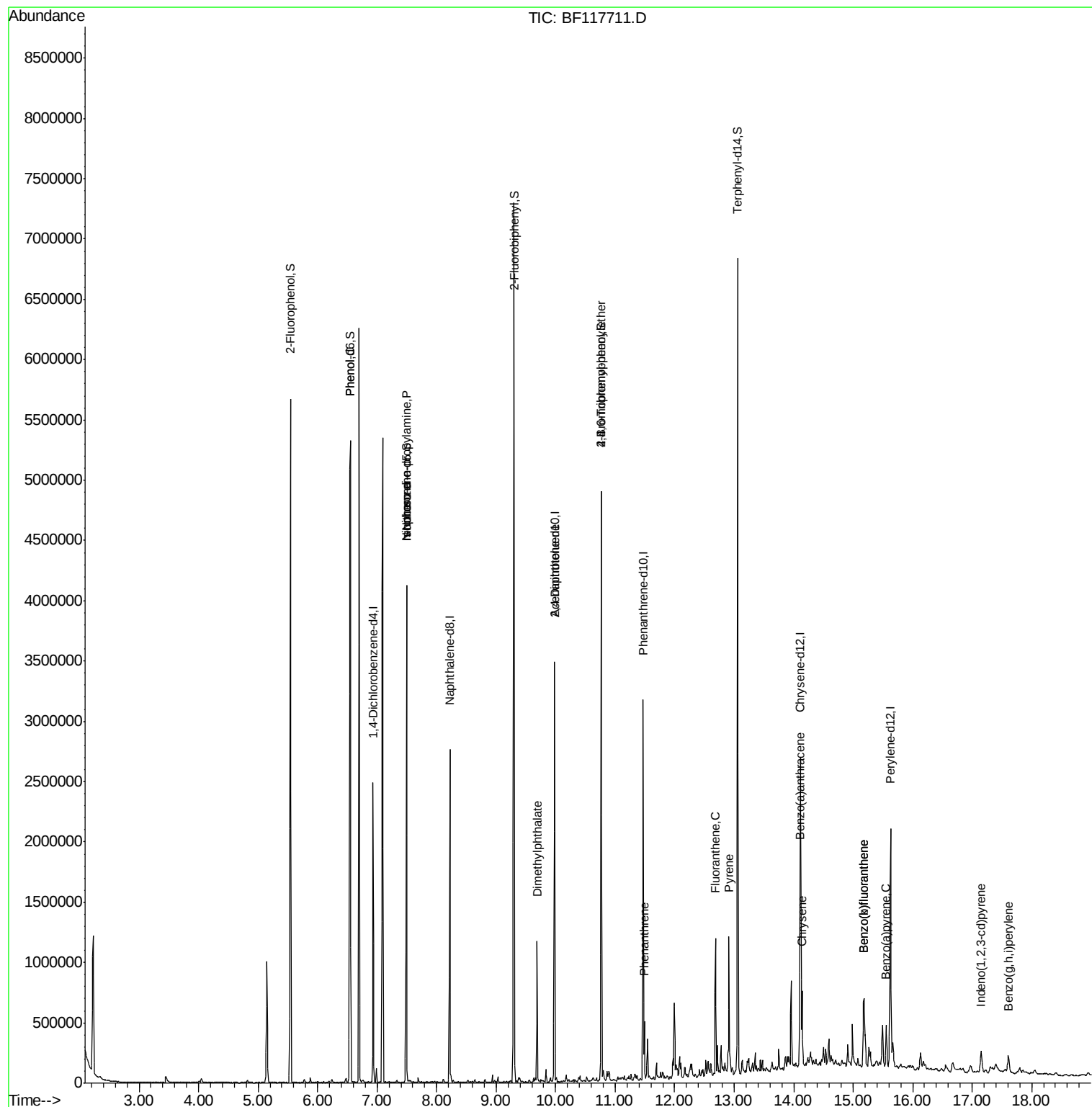
						Qvalue
10) Phenol	6.56	94	98563	4.195	ng	93
19) n-Nitroso-di-n-propylamine	7.49	70	161587	11.270	ng	# 78
25) Isophorone	7.49	82	1191685	29.570	ng	# 62
50) Dimethylphthalate	9.69	163	409042	9.286	ng	99
57) 2,4-Dinitrotoluene	9.98	165	85027	6.720	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	34019	2.626	ng	# 1
71) Phenanthrene	11.49	178	157971	2.778	ng	95
75) Fluoranthene	12.69	202	385382	6.638	ng	95
78) Pyrene	12.92	202	409670	7.454	ng	97
81) Benzo(a)anthracene	14.10	228	204946	4.373	ng	96
83) Chrysene	14.14	228	259243	5.601	ng	97
86) Indeno(1,2,3-cd)pyrene	17.15	276	123655	2.871	ng	95
88) Benzo(b)fluoranthene	15.18	252	423283	7.603	ng	97
89) Benzo(k)fluoranthene	15.18	252	423283	8.524	ng	100
90) Benzo(a)pyrene	15.56	252	164748	3.413	ng	99
92) Benzo(g,h,i)perylene	17.62	276	113615	2.708	ng	97

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

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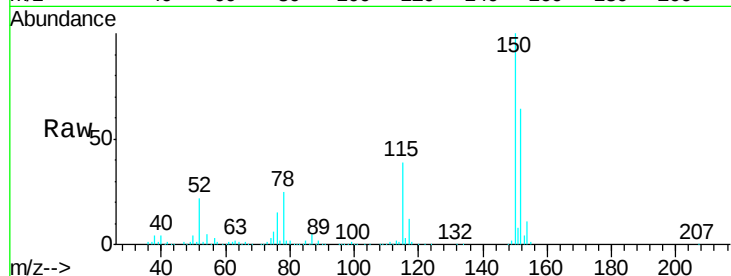


#1

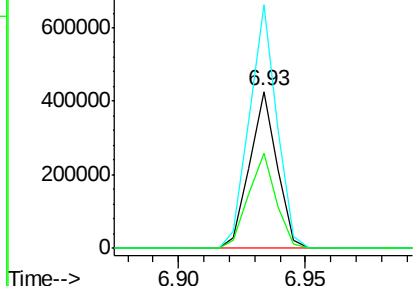
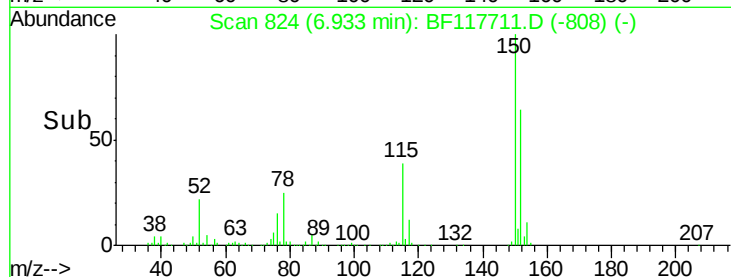
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tgt Ion:152 Resp: 320129
Ion Ratio Lower Upper
152 100
150 155.5 121.4 182.2
115 60.4 46.7 70.1



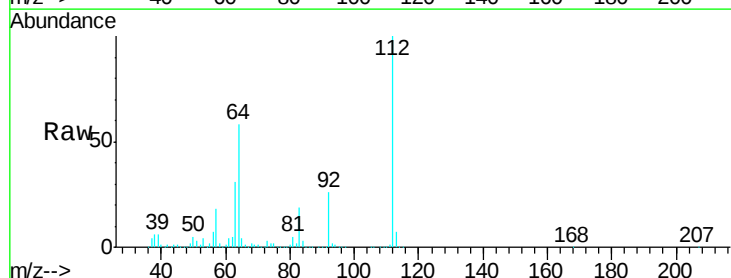
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



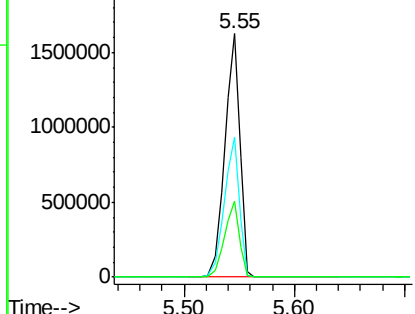
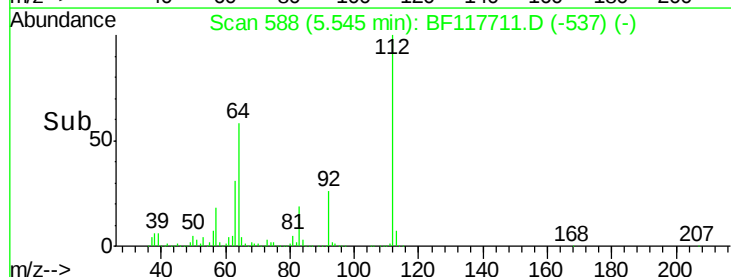
#5

2-Fluorophenol
Concen: 87.604 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion:112 Resp: 1549291
Ion Ratio Lower Upper
112 100
64 57.6 46.4 69.6
63 31.0 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: 90.790 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampleId :

8-A

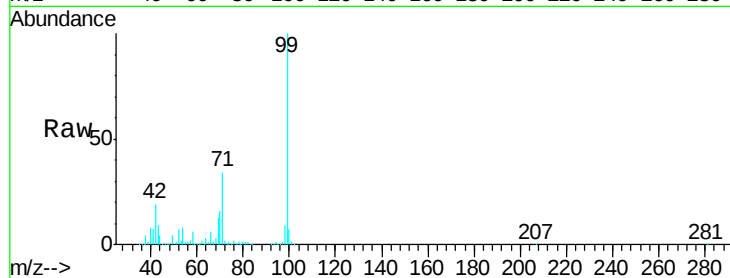
Tgt Ion: 99 Resp: 1979808

Ion Ratio Lower Upper

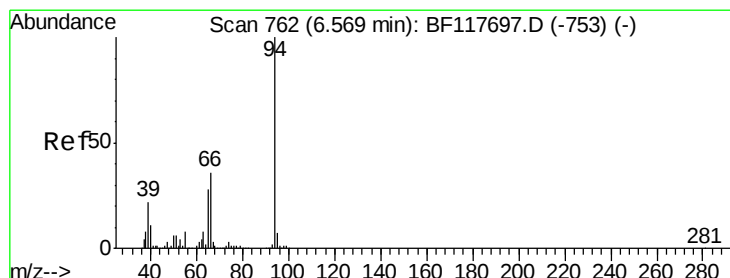
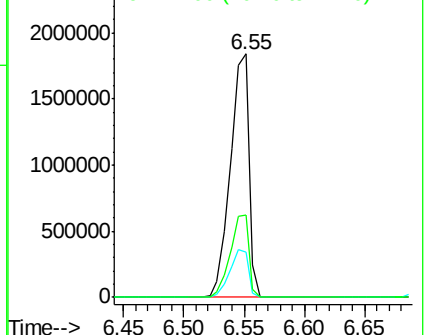
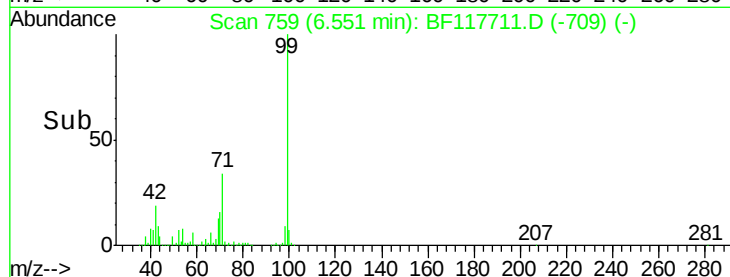
99 100

42 18.6 15.3 22.9

71 33.9 26.8 40.2



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: 4.195 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

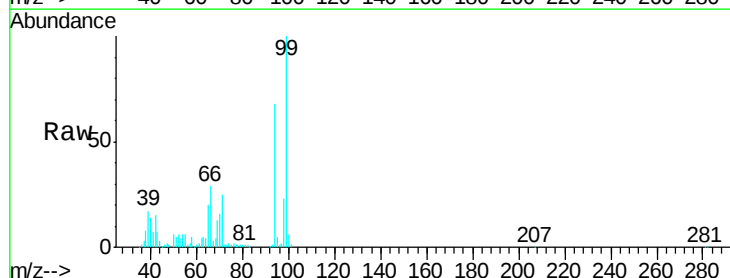
Tgt Ion: 94 Resp: 98563

Ion Ratio Lower Upper

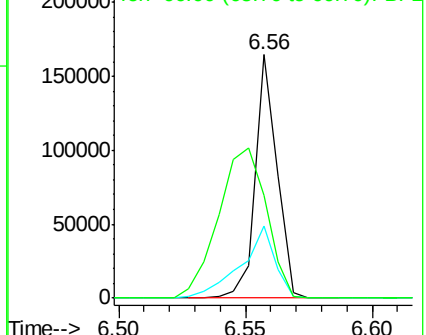
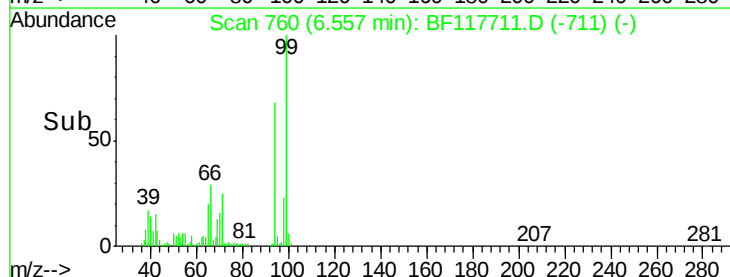
94 100

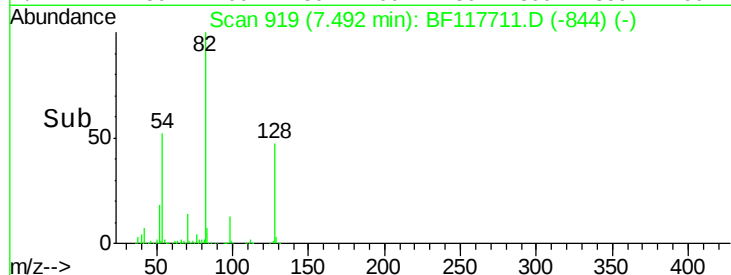
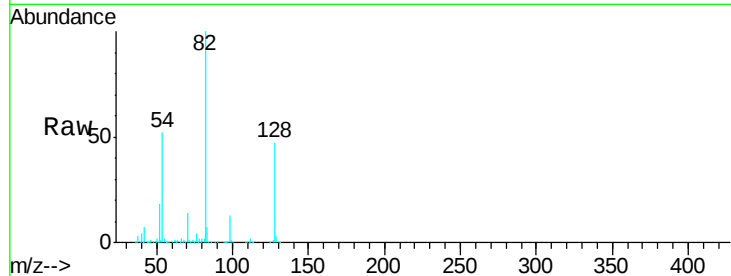
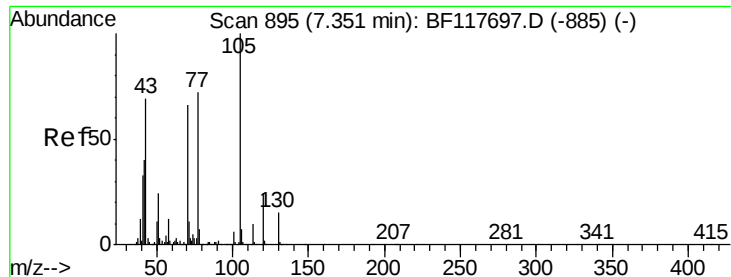
65 29.4 7.6 47.6

66 42.0 16.1 56.1



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

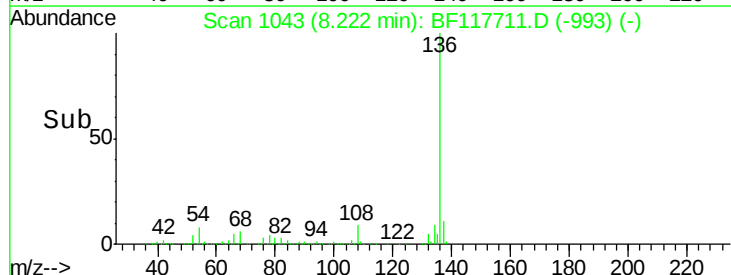
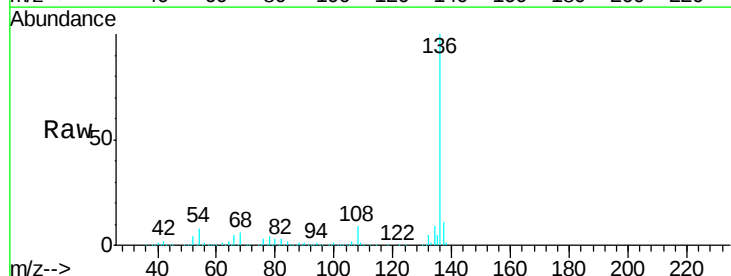
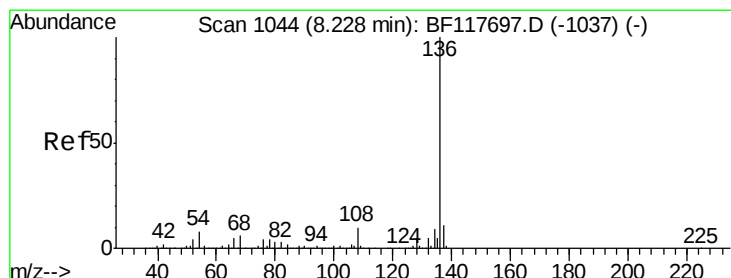
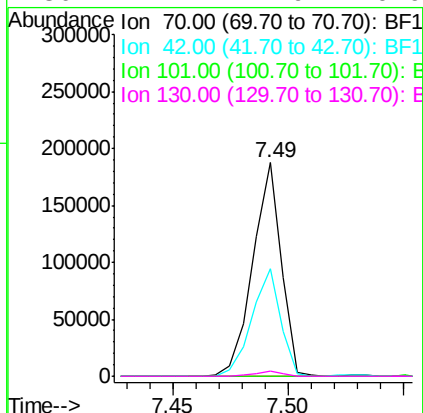




#19
n-Nitroso-di-n-propylamine
Concen: 11.270 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

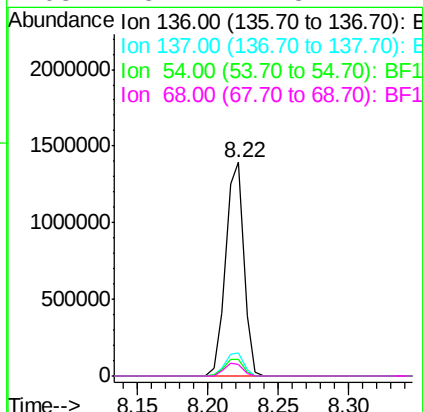
Instrument :
BNA_F
ClientSampleId :
8-A

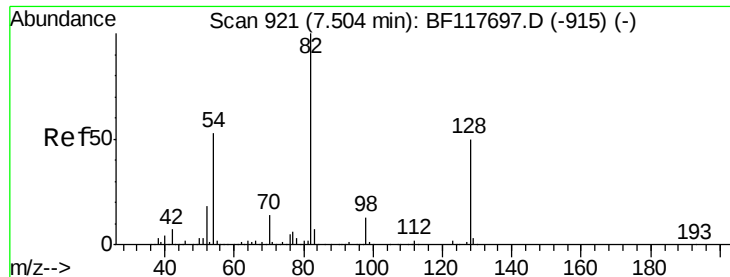
Tgt Ion: 70 Resp: 161587
Ion Ratio Lower Upper
70 100
42 50.5 49.1 73.7
101 0.0 7.8 11.8#
130 2.1 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion: 136 Resp: 1243999
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.5 6.0 9.0
68 5.7 4.8 7.2

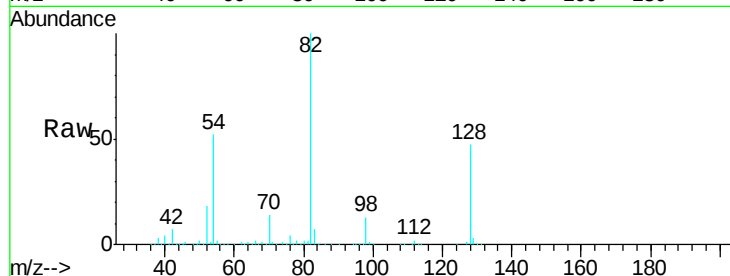




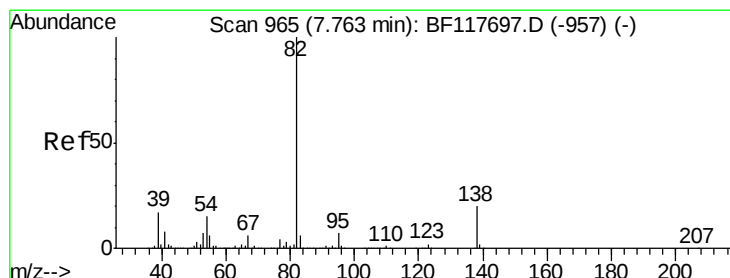
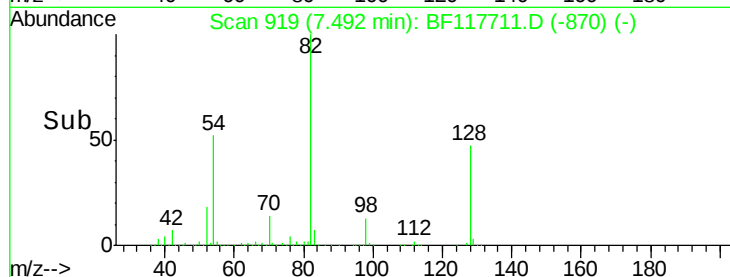
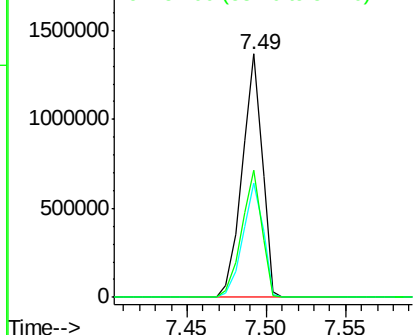
#23
Nitrobenzene-d5
Concen: 56.692 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tgt Ion: 82 Resp: 1194542
Ion Ratio Lower Upper
82 100
128 47.1 40.2 60.2
54 52.1 42.0 63.0

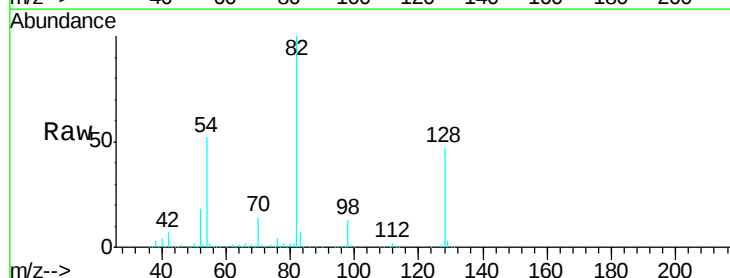


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

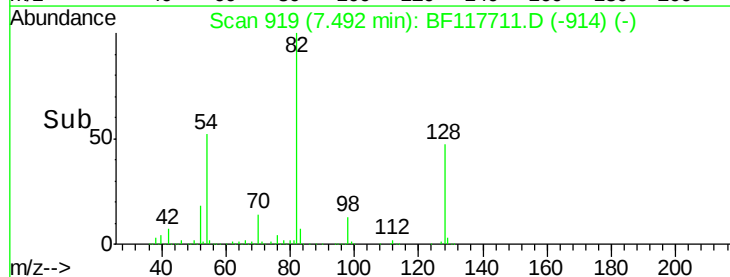
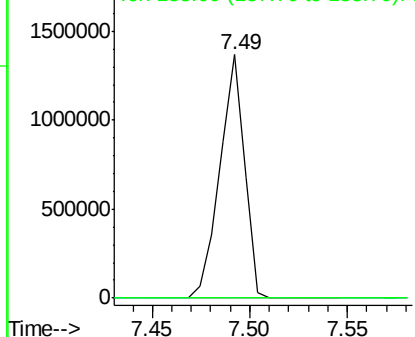


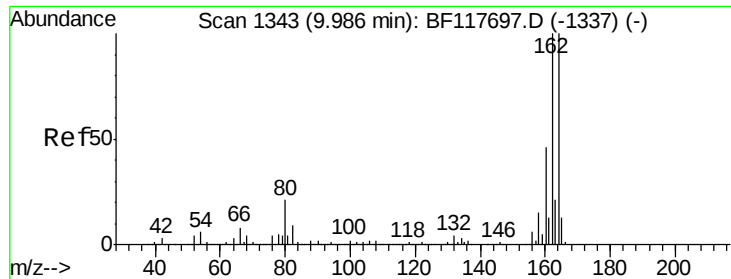
#25
Isophorone
Concen: 29.570 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion: 82 Resp: 1191685
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

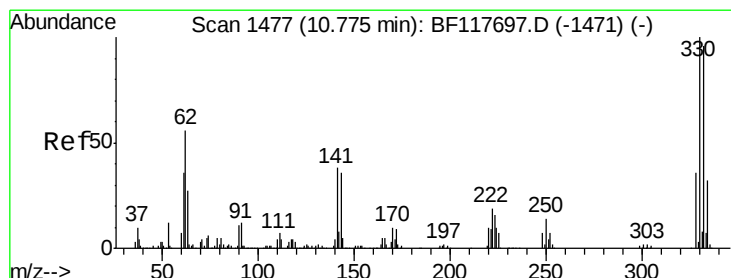
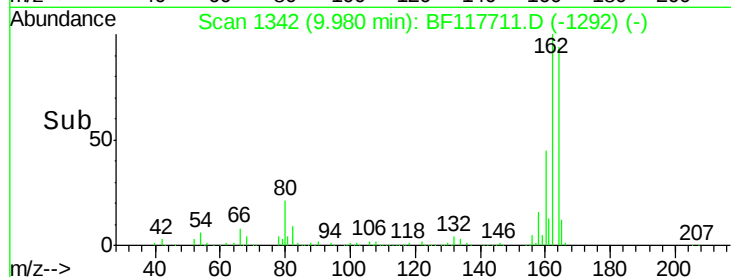
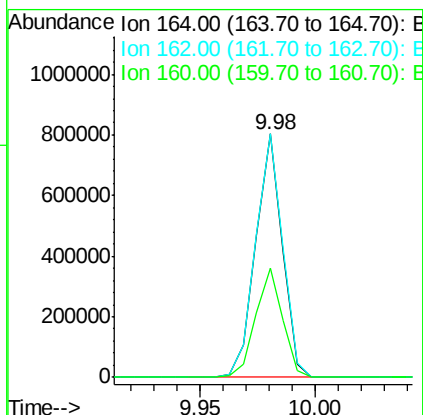
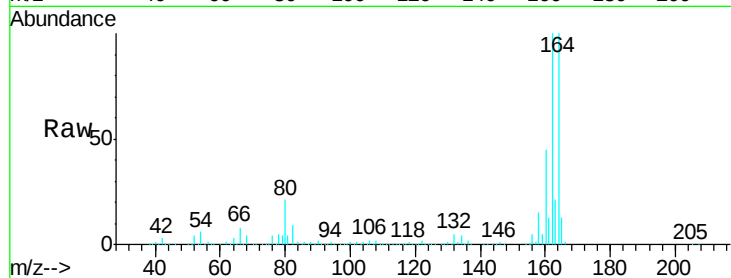




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

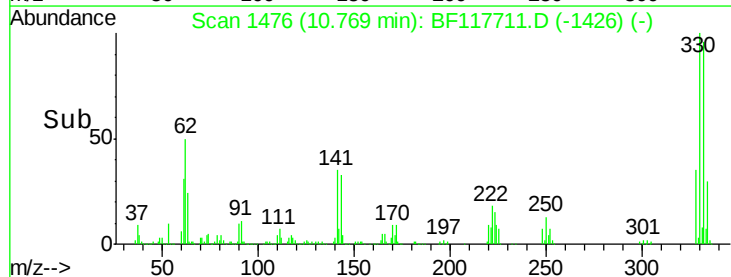
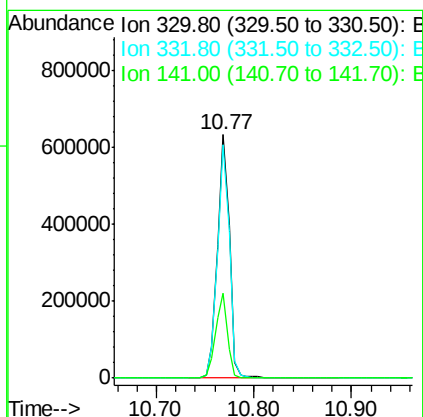
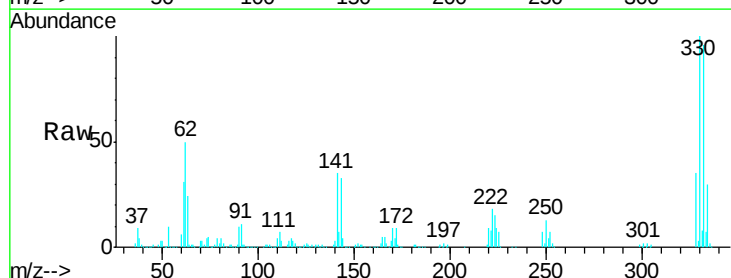
Instrument :
 BNA_F
 ClientSampled :
 8-A

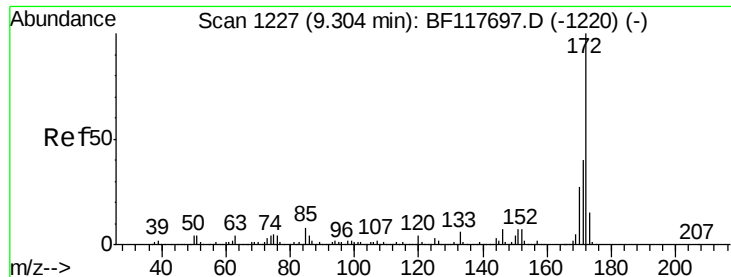
Tgt Ion:164 Resp: 651583
 Ion Ratio Lower Upper
 164 100
 162 99.9 79.7 119.5
 160 44.7 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 85.309 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Tgt Ion:330 Resp: 543759
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.0
 141 34.3 28.0 42.0

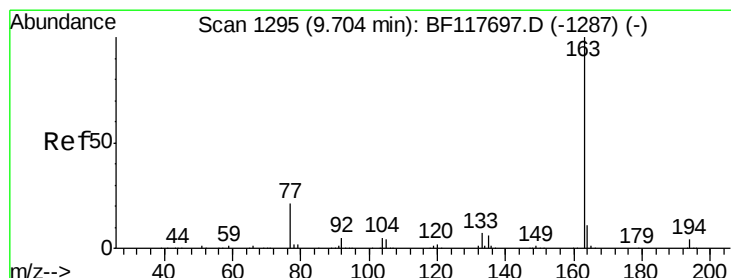
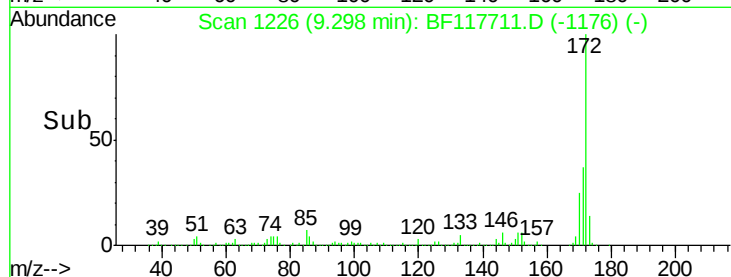
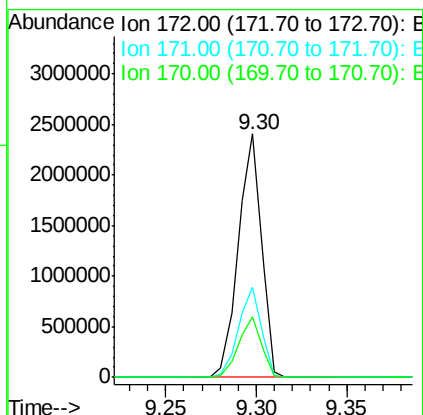
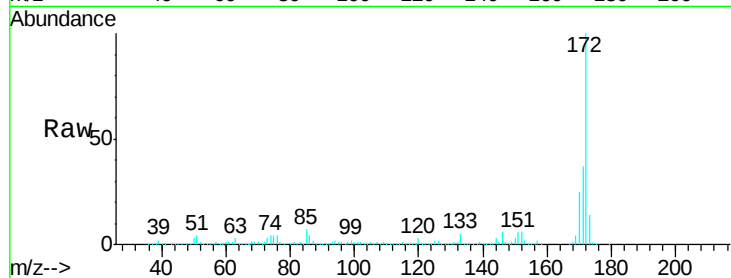




#45
2-Fluorobiphenyl
Concen: 64.441 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

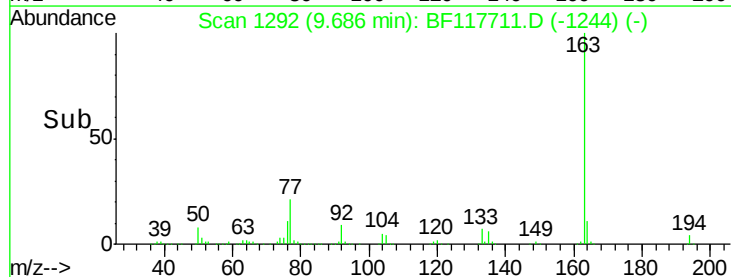
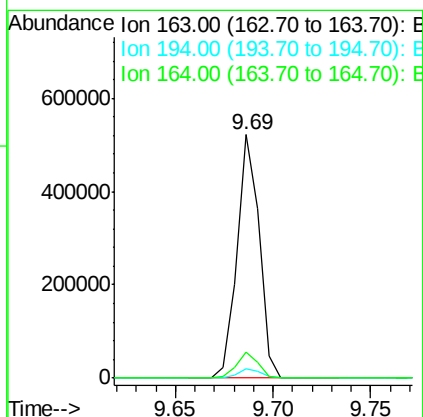
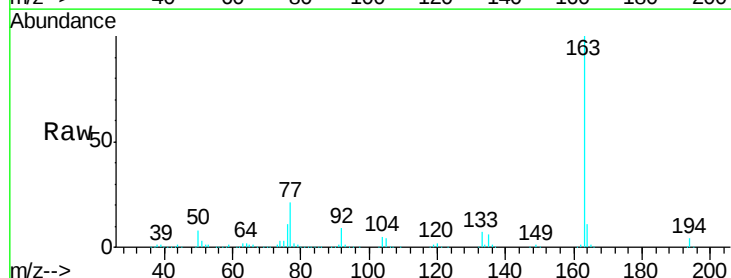
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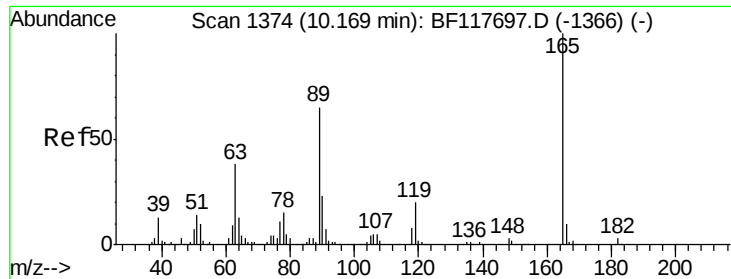
Tgt Ion:172 Resp: 2128139
Ion Ratio Lower Upper
172 100
171 37.1 31.8 47.8
170 25.1 21.6 32.4



#50
Dimethylphthalate
Concen: 9.286 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion:163 Resp: 409042
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.6 8.9 13.3

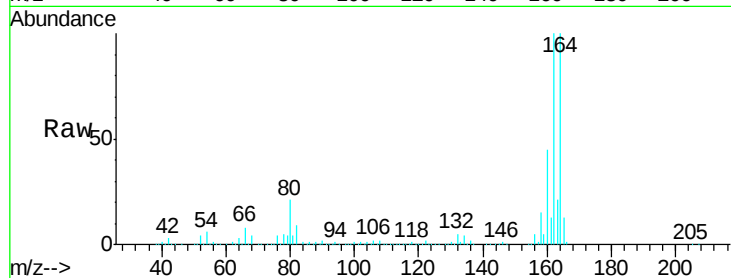




#57
 2,4-Dinitrotoluene
 Concen: 6.720 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.19 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 8-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.4	45.6#
89	1.6	52.2	78.4#
182	0.0	2.3	3.5#

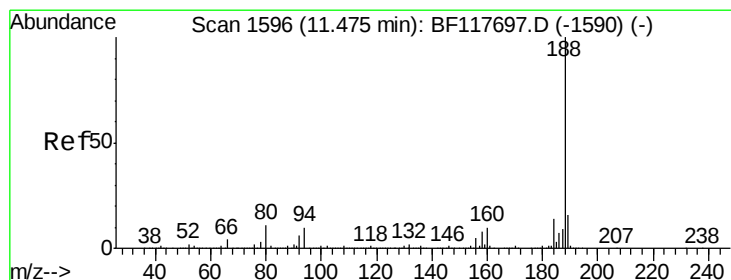
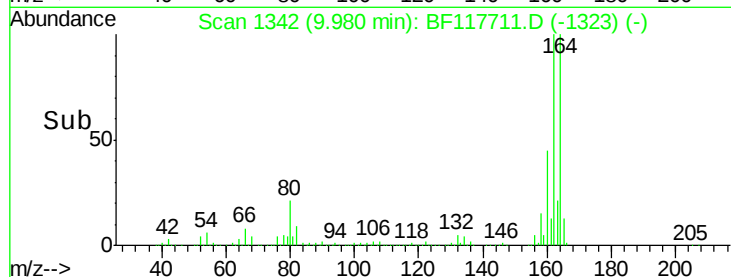
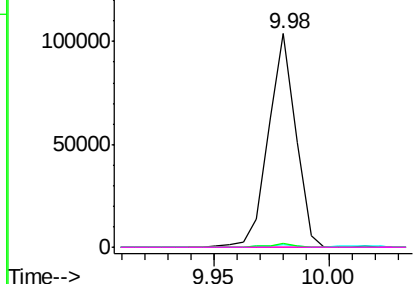


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

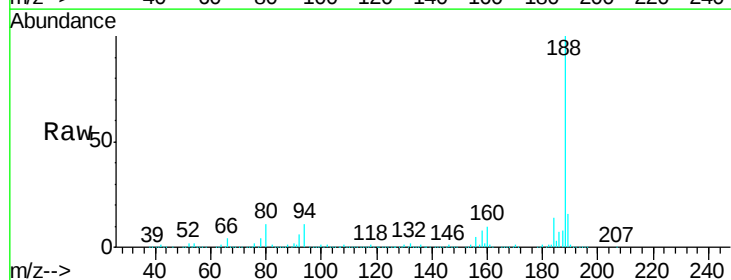
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

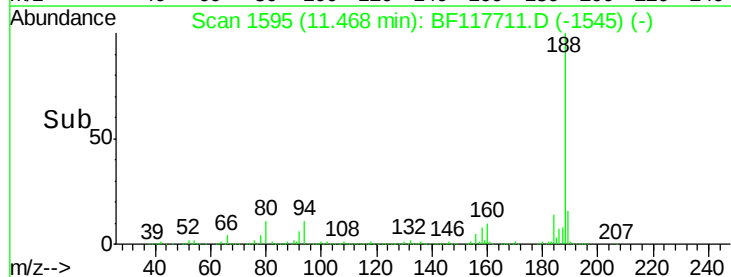
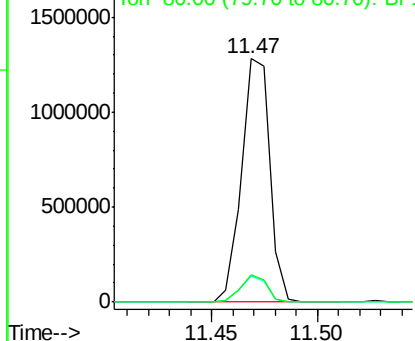
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.2	12.4
80	11.1	8.6	13.0

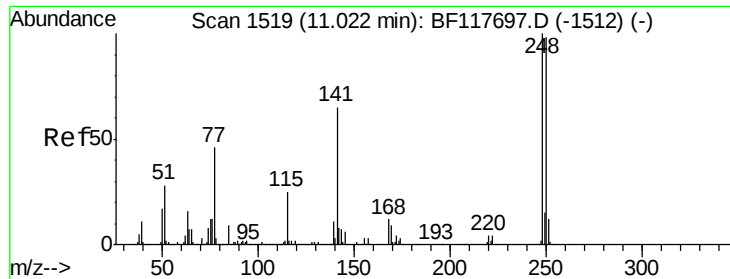


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

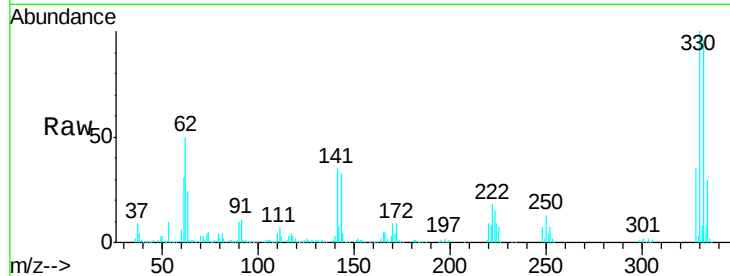




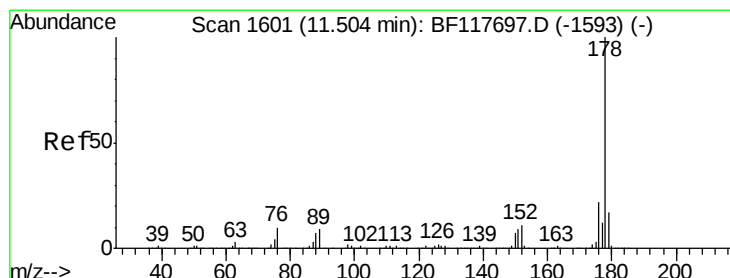
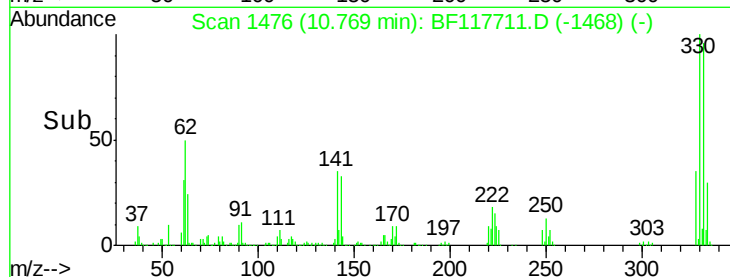
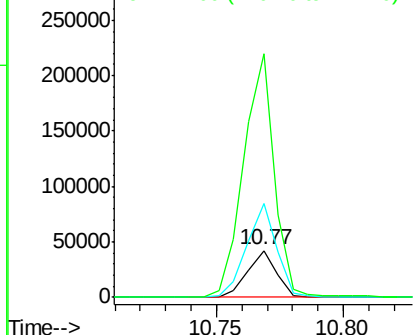
#67
4-Bromophenyl-phenylether
Concen: 2.626 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.25 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tgt Ion:248 Resp: 34019
Ion Ratio Lower Upper
248 100
250 201.6 78.7 118.1#
141 520.8 51.8 77.8#

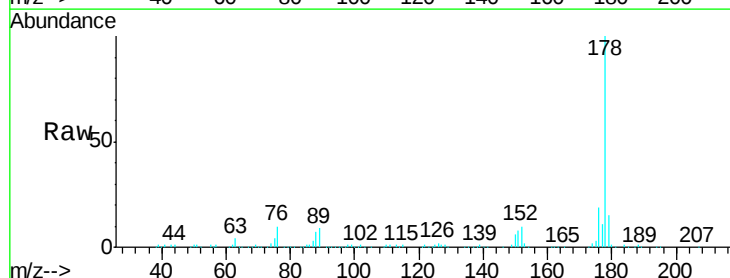


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

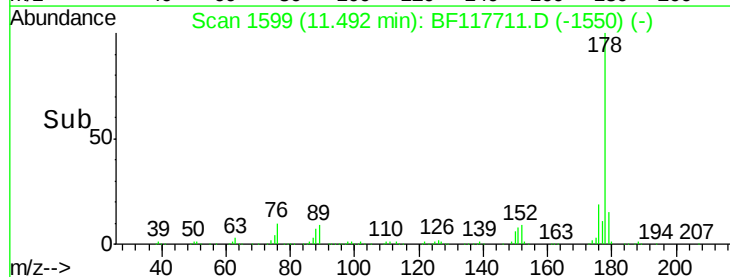
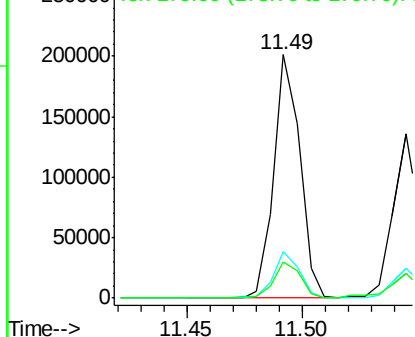


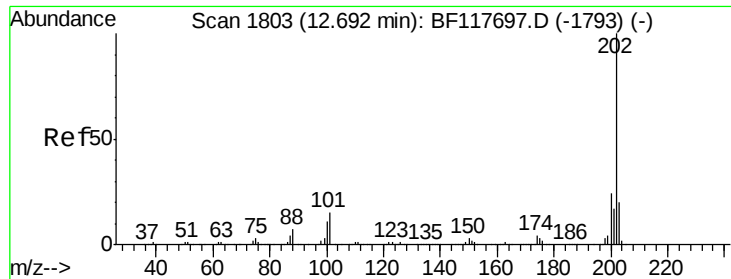
#71
Phenanthrene
Concen: 2.778 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion:178 Resp: 157971
Ion Ratio Lower Upper
178 100
176 19.3 17.7 26.5
179 15.1 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





#75

Fluoranthene

Concen: 6.638 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampleId :

8-A

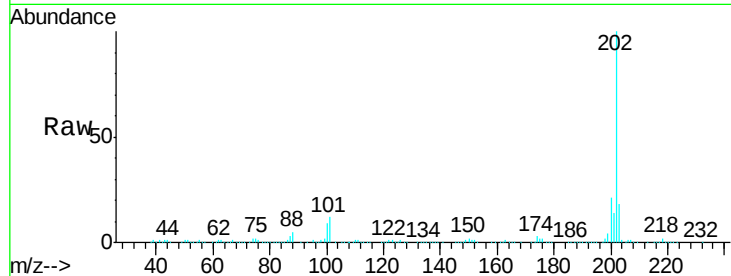
Tgt Ion:202 Resp: 385382

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.5

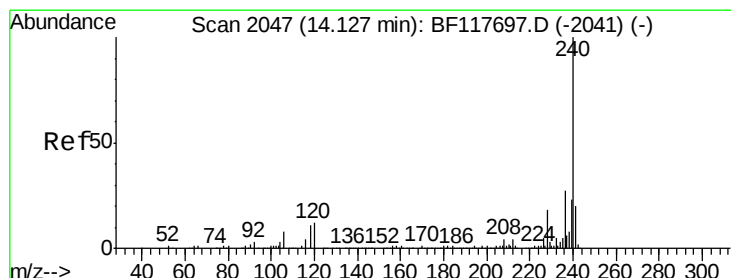
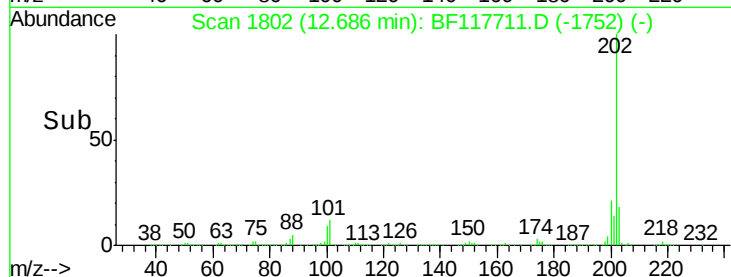
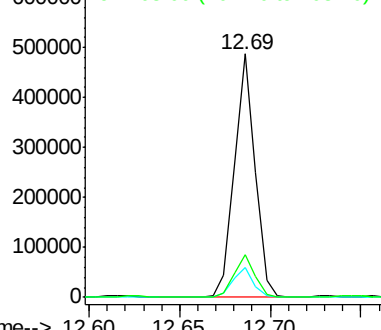
203 17.7 0.0 39.8



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# 2045

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

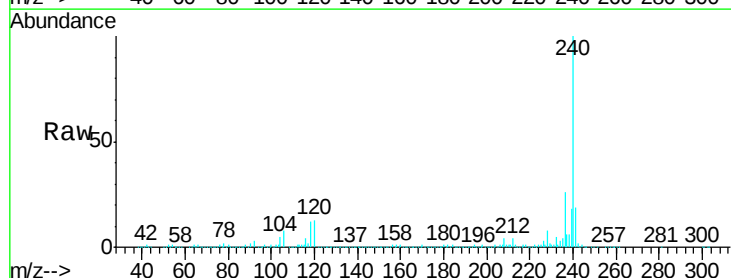
Tgt Ion:240 Resp: 752922

Ion Ratio Lower Upper

240 100

120 12.7 9.7 14.5

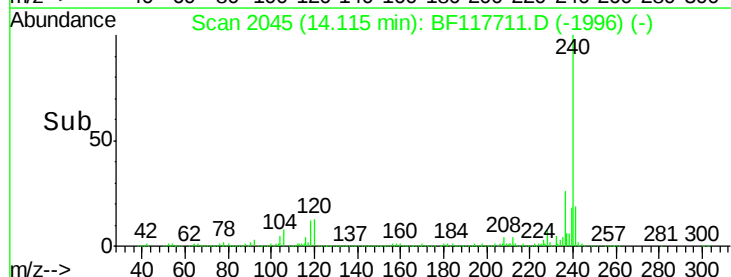
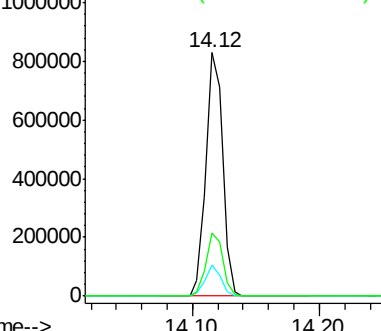
236 25.9 21.9 32.9

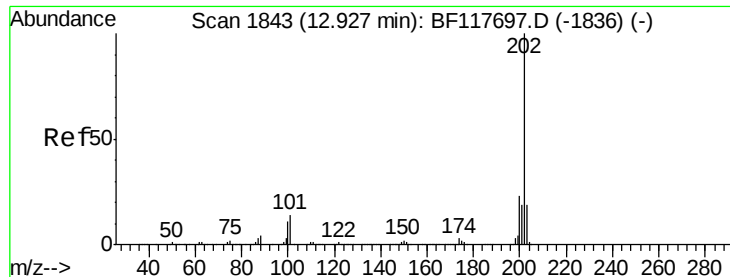


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 7.454 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampleId :

8-A

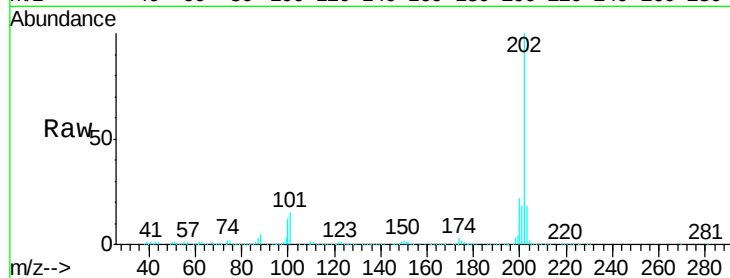
Tgt Ion:202 Resp: 409670

Ion Ratio Lower Upper

202 100

200 21.7 18.8 28.2

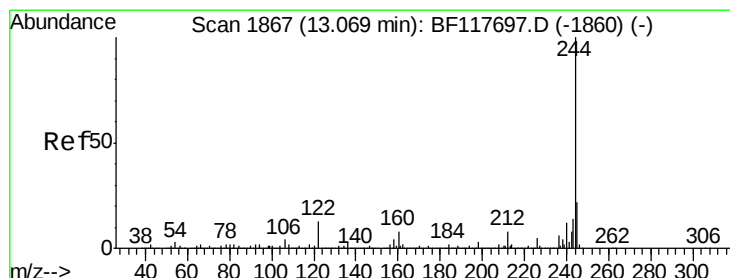
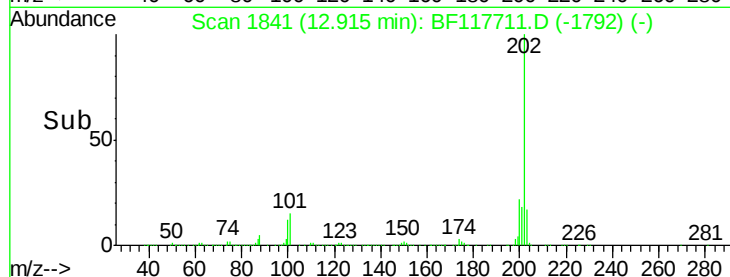
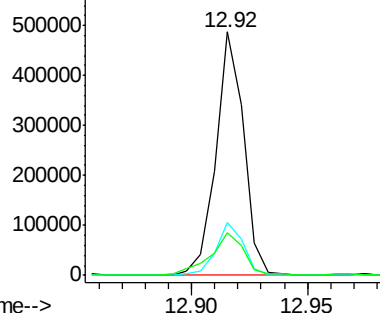
203 17.6 15.2 22.8



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: 59.424 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

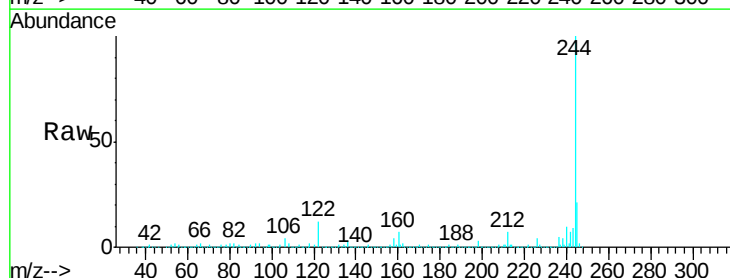
Tgt Ion:244 Resp: 2173419

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

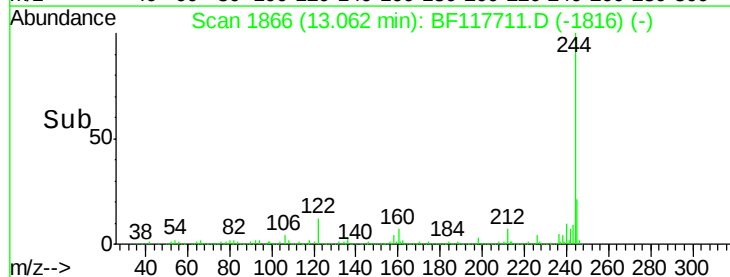
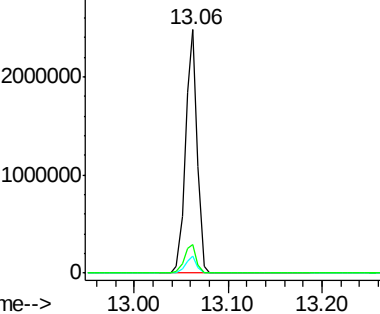
122 12.0 10.0 15.0

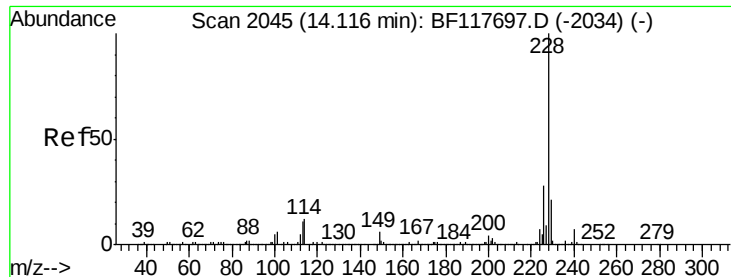


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.373 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

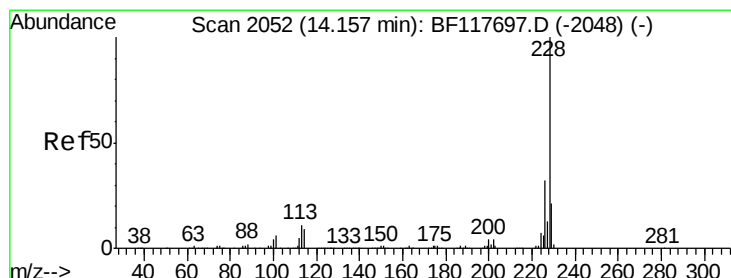
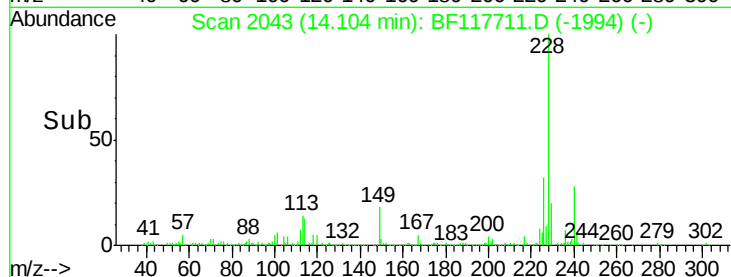
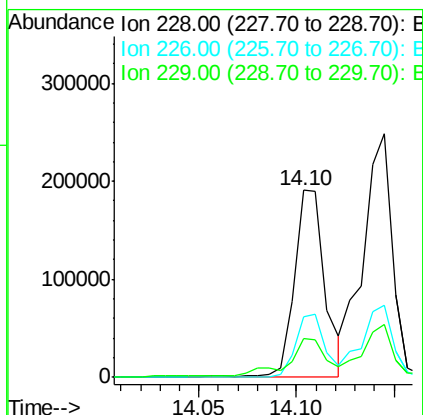
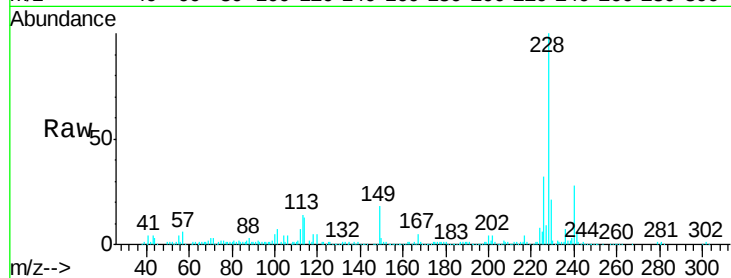
Instrument :

BNA_F

ClientSampleId :

8-A

Tgt Ion:	228	Resp:	204946
Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.8	34.2
229	20.9	16.9	25.3



#83

Chrysene

Concen: 5.601 ng

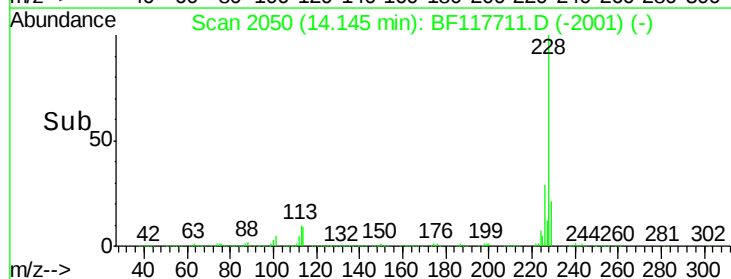
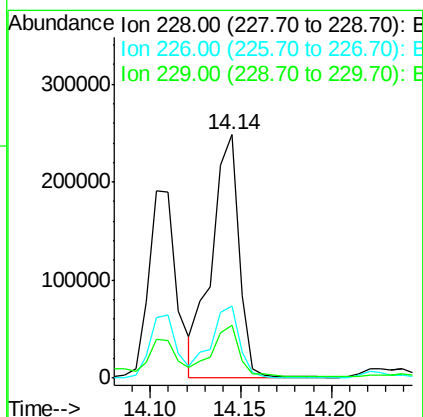
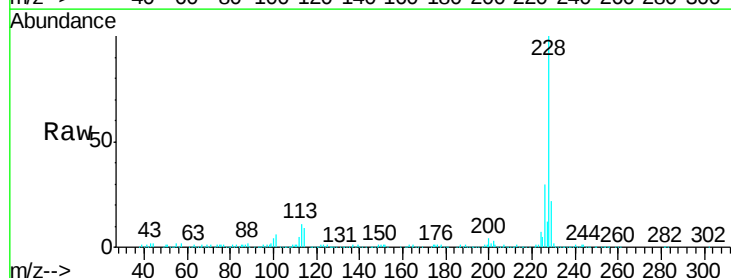
RT: 14.14 min Scan# 2050

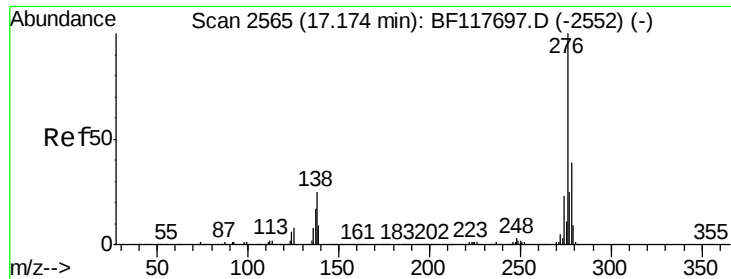
Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Tgt Ion:	228	Resp:	259243
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.2
229	21.8	16.6	24.8

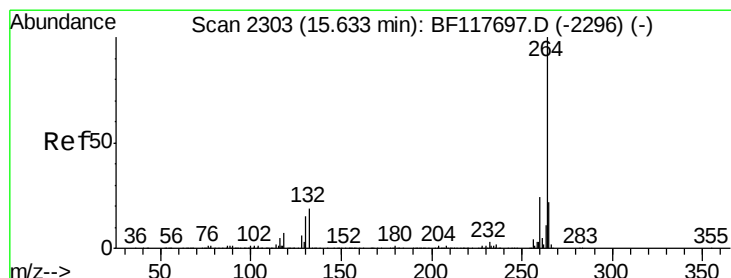
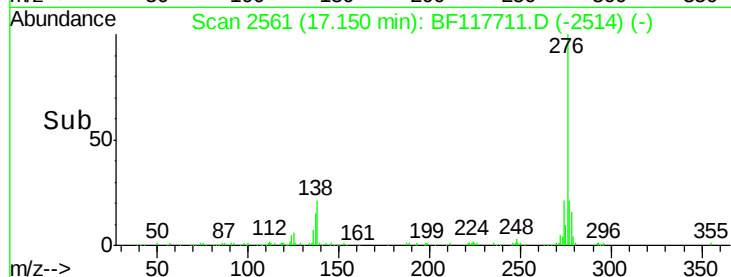
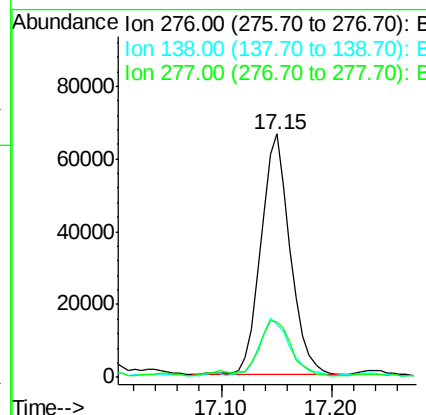
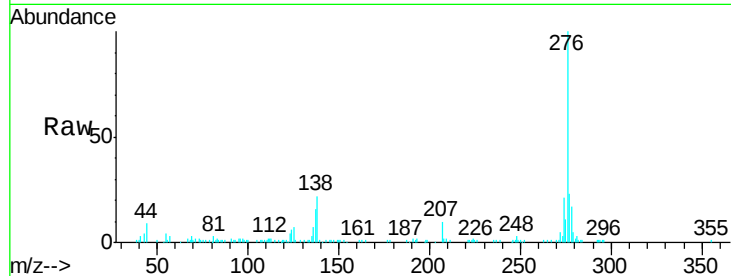




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.871 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

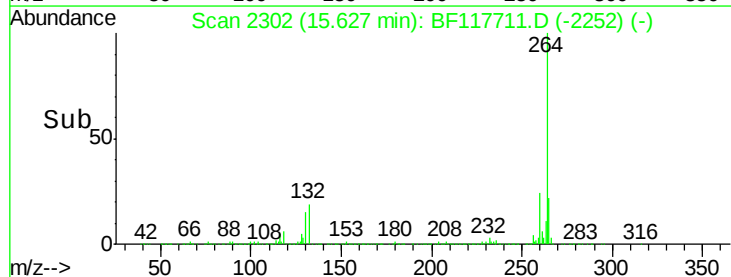
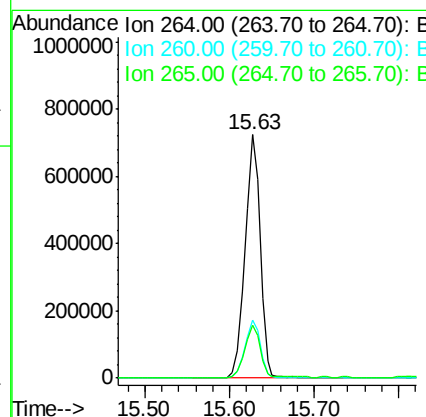
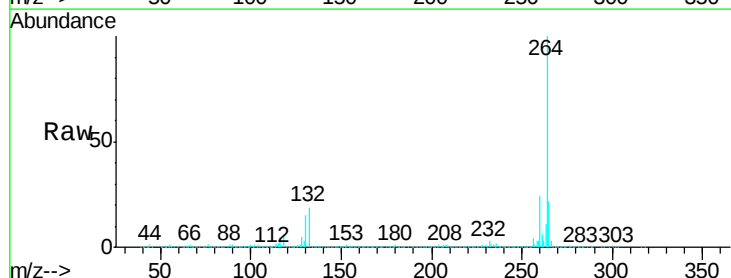
Instrument :
 BNA_F
 ClientSampleId :
 8-A

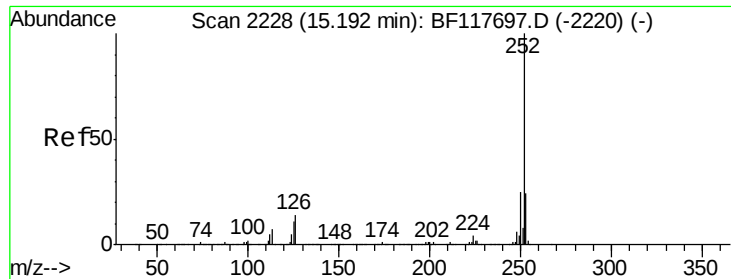
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	22.4	33.6
277	24.9	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.0	17.7	26.5

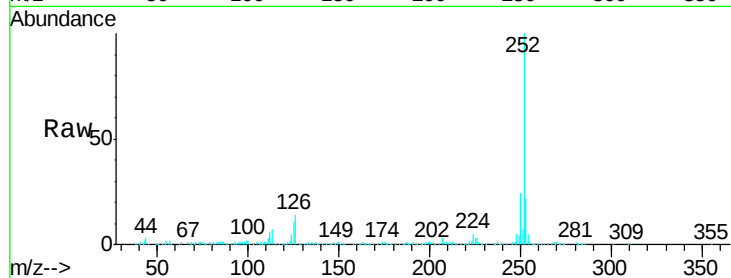




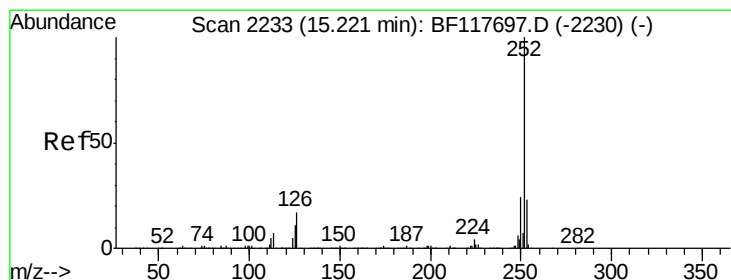
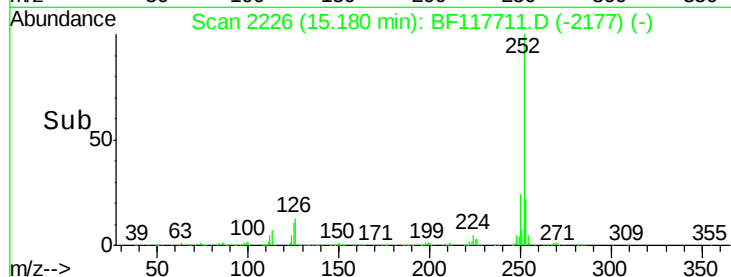
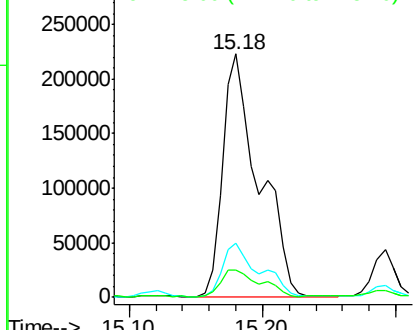
#88
Benzo(b)fluoranthene
Concen: 7.603 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	11.4	8.5	12.7

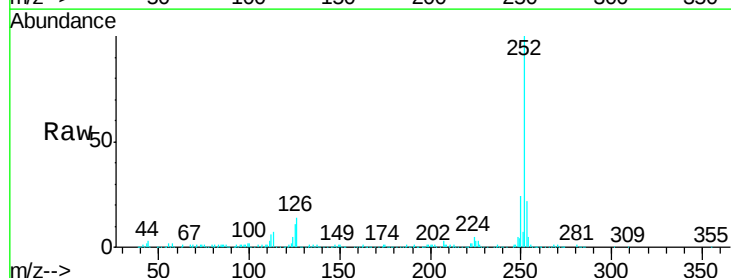


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

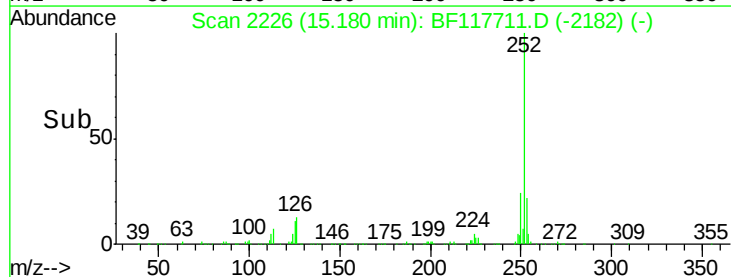
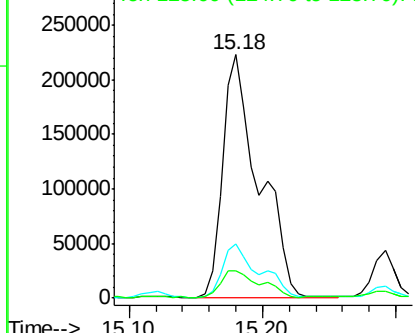


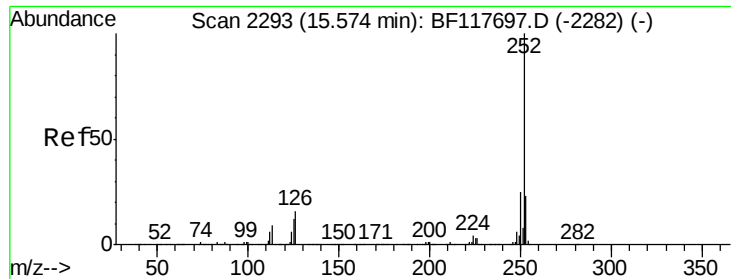
#89
Benzo(k)fluoranthene
Concen: 8.524 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.4	9.1	13.7



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





#90

Benzo(a)pyrene

Concen: 3.413 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampleId :

8-A

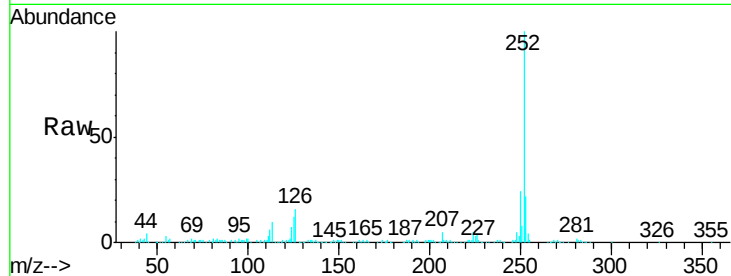
Tgt Ion: 252 Resp: 164748

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

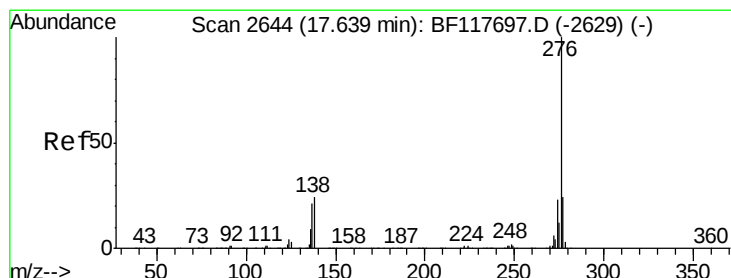
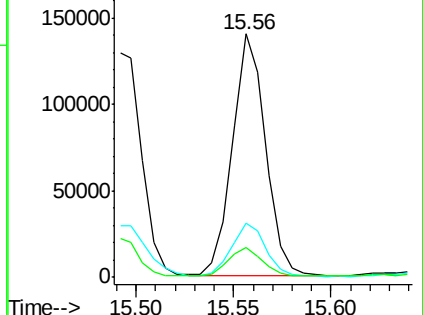
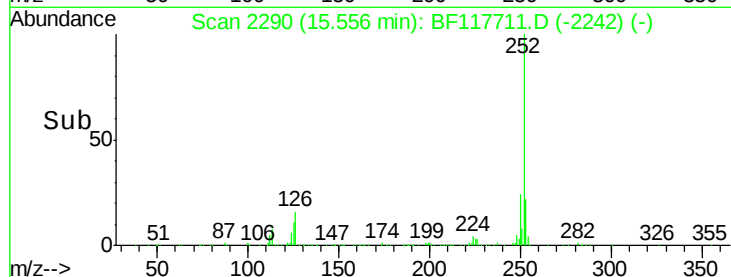
125 12.1 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.708 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.02 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

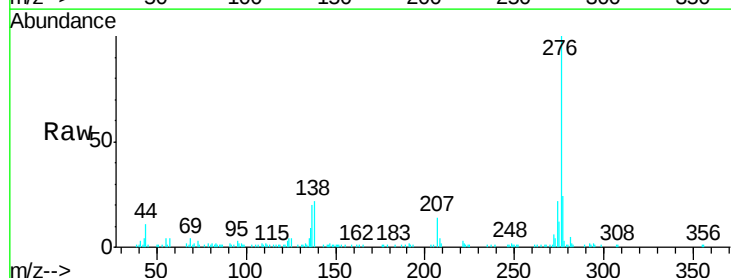
Tgt Ion: 276 Resp: 113615

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.6 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

