

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117744.D
 Acq On : 8 Nov 2019 21:10
 Operator : JU
 Sample : K5722-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-D

Quant Time: Nov 09 01:25:49 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	350886	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1389217	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	748441	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1396515	20.00	ng	0.00
76) Chrysene-d12	14.12	240	796980	20.00	ng	-0.01
87) Perylene-d12	15.62	264	827977	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1992818	102.81	ng	0.00
7) Phenol-d6	6.55	99	2506605	104.87	ng	0.00
23) Nitrobenzene-d5	7.49	82	1605349	68.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	772950	105.57	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2704945	71.31	ng	-0.01
79) Terphenyl-d14	13.06	244	2819653	72.83	ng	0.00

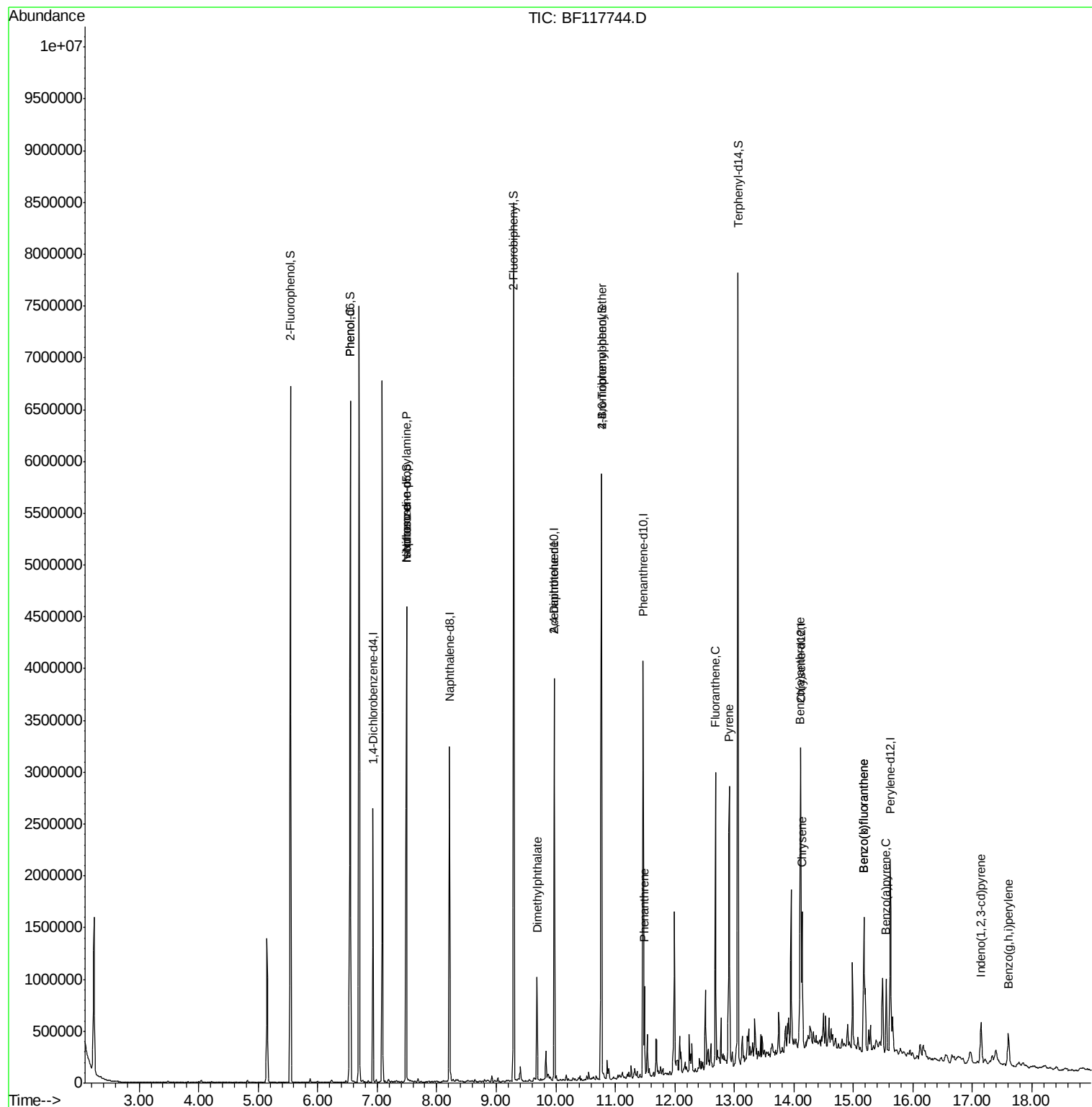
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	81515	3.165	ng	85
19) n-Nitroso-di-n-propylamine	7.49	70	222051	14.129	ng	# 75
25) Isophorone	7.49	82	1599675	35.544	ng	# 62
50) Dimethylphthalate	9.69	163	400027	7.906	ng	97
57) 2,4-Dinitrotoluene	9.97	165	99951	6.877	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	48749	3.196	ng	# 1
71) Phenanthrene	11.49	178	311868	4.659	ng	95
75) Fluoranthene	12.69	202	1099759	16.090	ng	94
78) Pyrene	12.92	202	1069277	18.379	ng	96
81) Benzo(a)anthracene	14.10	228	455010	9.172	ng	94
83) Chrysene	14.14	228	543146	11.087	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	282370	6.193	ng	93
88) Benzo(b)fluoranthene	15.17	252	964710	18.500	ng	98
89) Benzo(k)fluoranthene	15.17	252	964710	20.742	ng	99
90) Benzo(a)pyrene	15.55	252	350542	7.754	ng	97
92) Benzo(g,h,i)perylene	17.60	276	245837	6.257	ng	99

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

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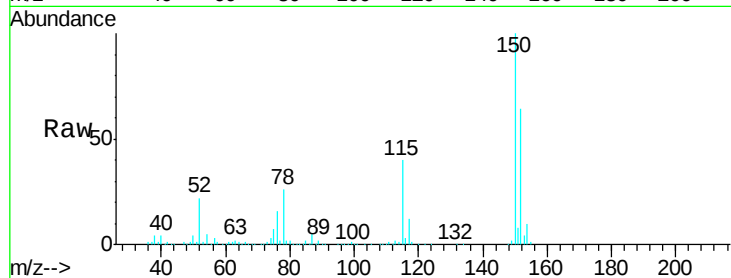


#1

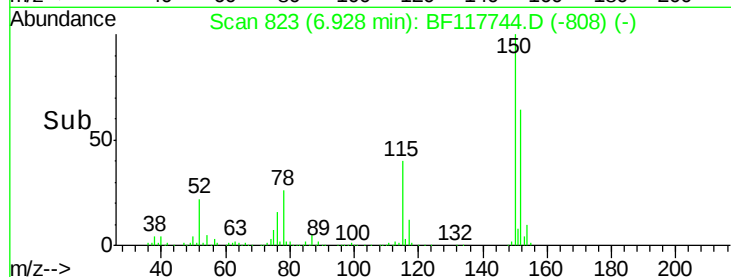
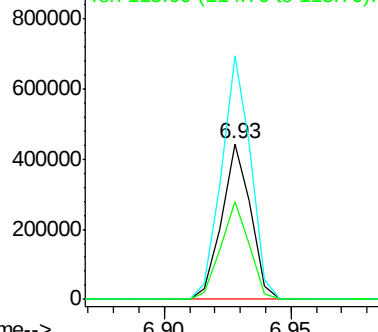
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
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ClientSampleId :
3-D

Tgt Ion:152 Resp: 350886
Ion Ratio Lower Upper
152 100
150 156.7 121.4 182.2
115 62.6 46.7 70.1



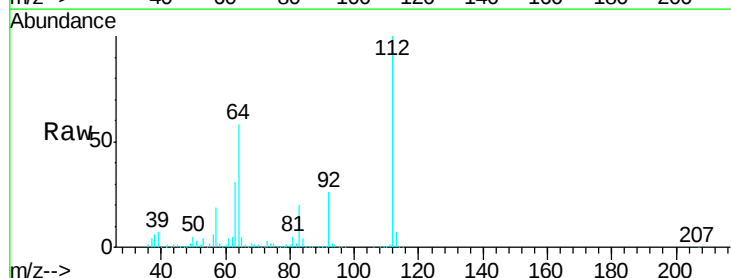
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



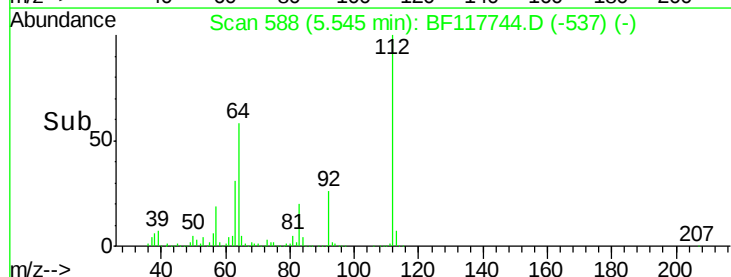
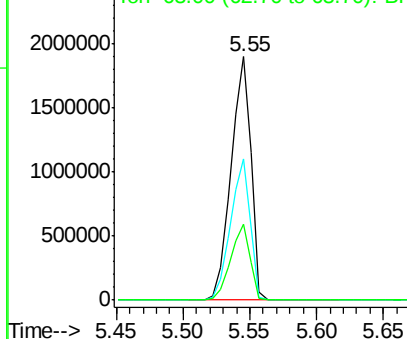
#5

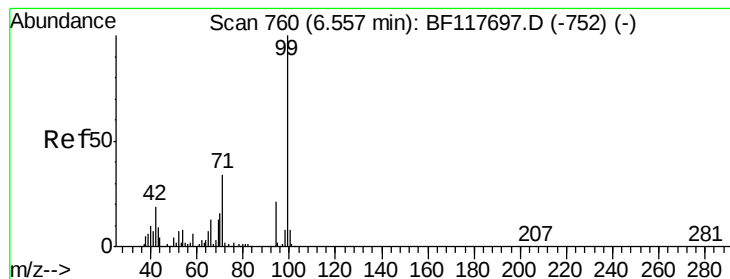
2-Fluorophenol
Concen: 102.806 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion:112 Resp: 1992818
Ion Ratio Lower Upper
112 100
64 58.0 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: 104.873 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

ClientSampleId :

3-D

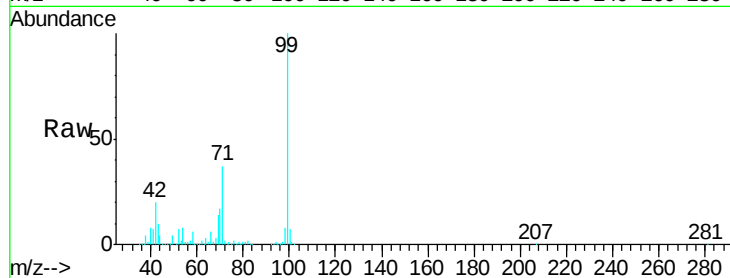
Tgt Ion: 99 Resp: 2506605

Ion Ratio Lower Upper

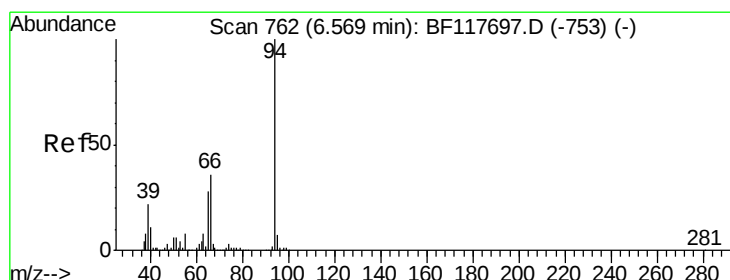
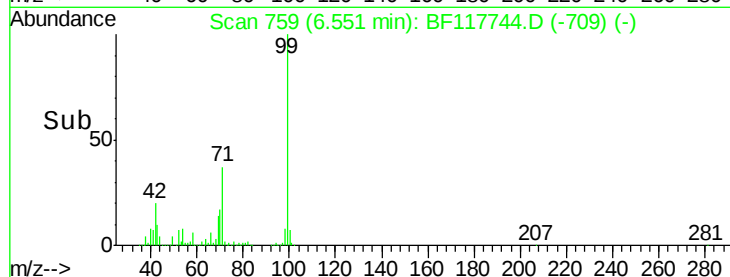
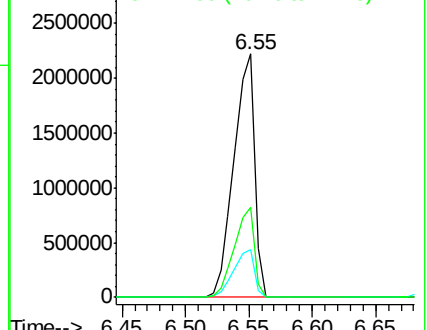
99 100

42 19.5 15.3 22.9

71 36.9 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: 3.165 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

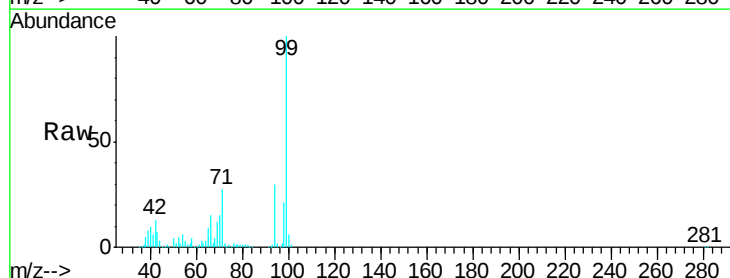
Tgt Ion: 94 Resp: 81515

Ion Ratio Lower Upper

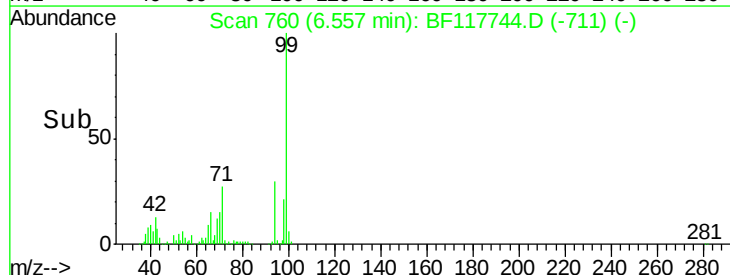
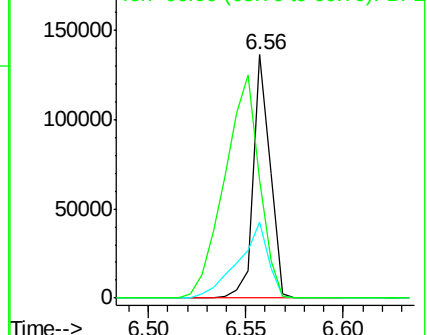
94 100

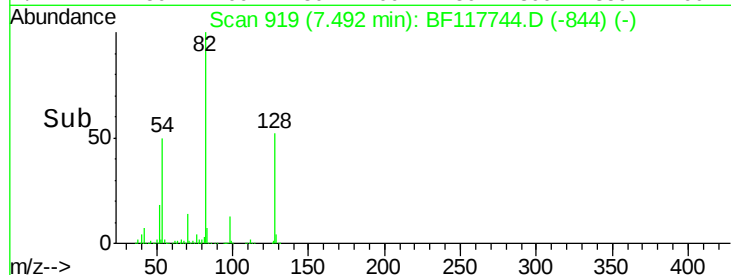
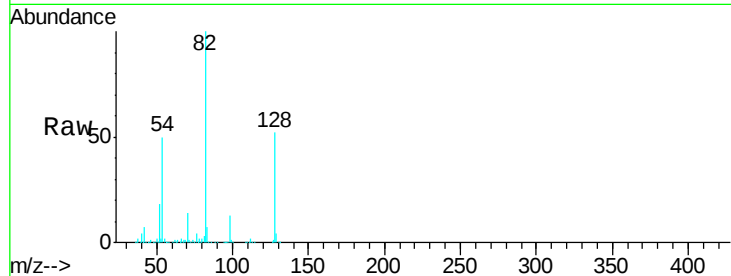
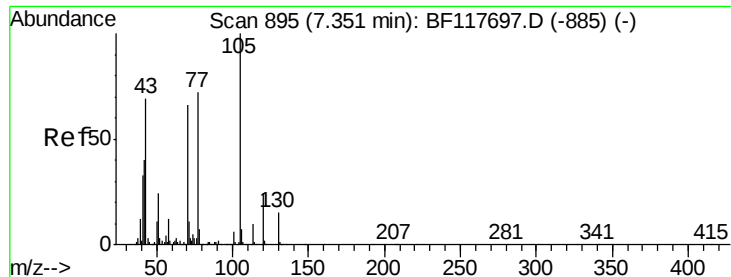
65 31.3 7.6 47.6

66 48.3 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

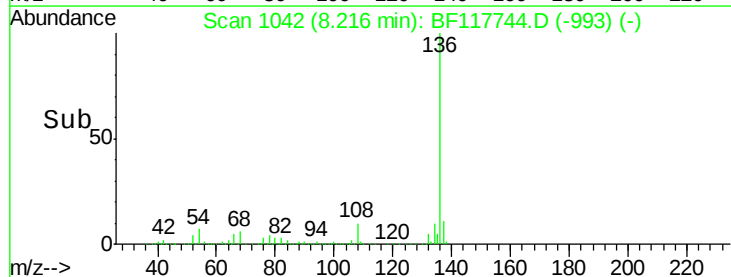
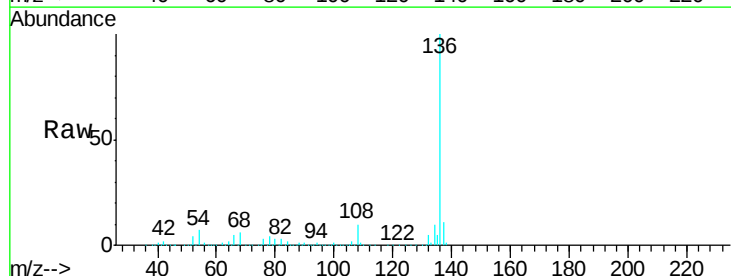
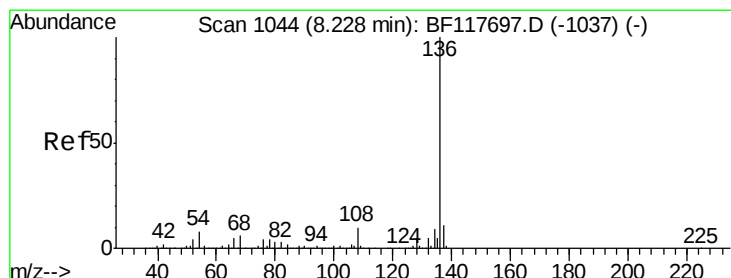
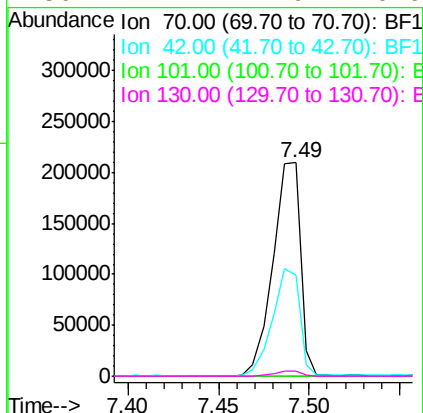




#19
n-Nitroso-di-n-propylamine
Concen: 14.129 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
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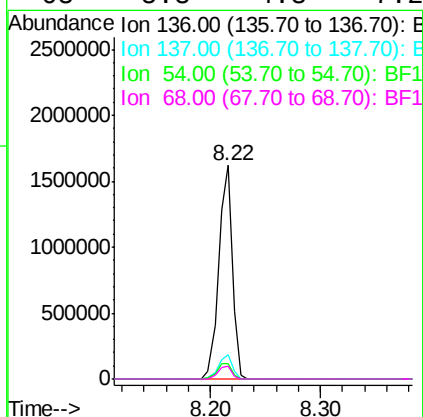
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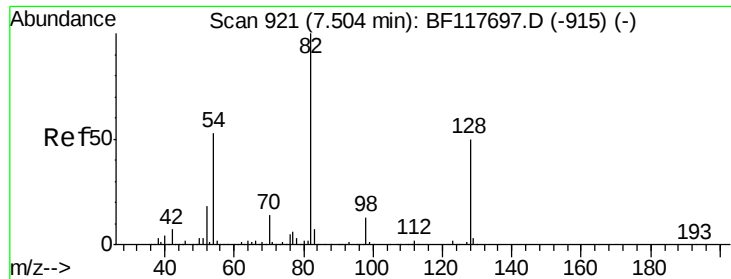
Tgt Ion:	70	Resp:	222051
Ion	Ratio	Lower	Upper
70	100		
42	47.3	49.1	73.7#
101	0.0	7.8	11.8#
130	2.4	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion:	136	Resp:	1389217
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.4	6.0	9.0
68	5.8	4.8	7.2

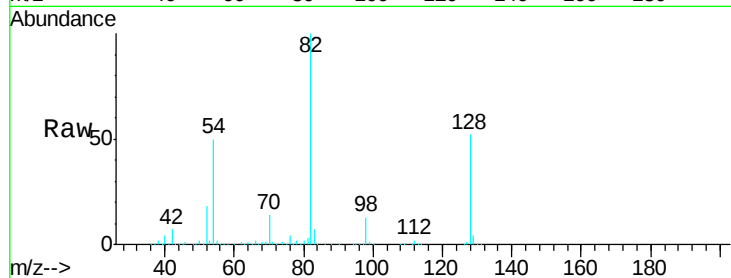




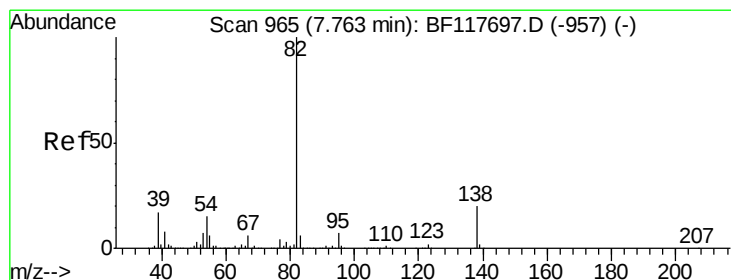
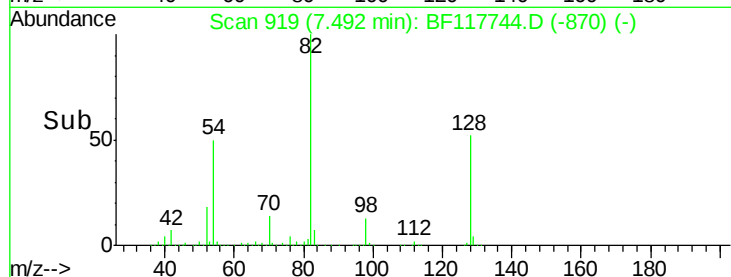
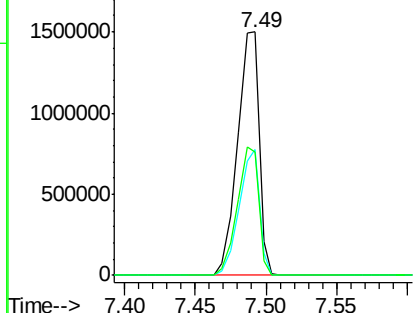
#23
Nitrobenzene-d5
Concen: 68.224 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tgt Ion: 82 Resp: 1605349
Ion Ratio Lower Upper
82 100
128 51.7 40.2 60.2
54 50.4 42.0 63.0

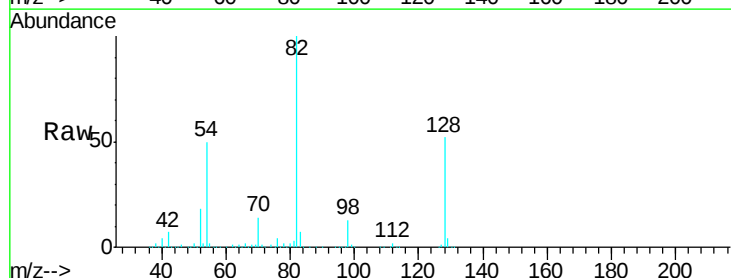


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

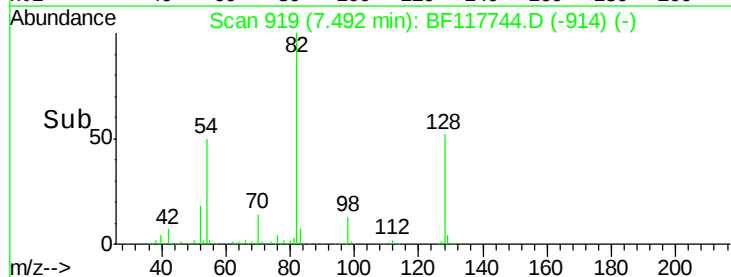
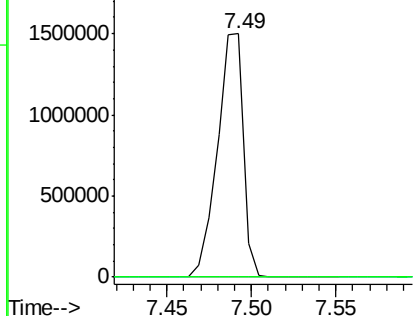


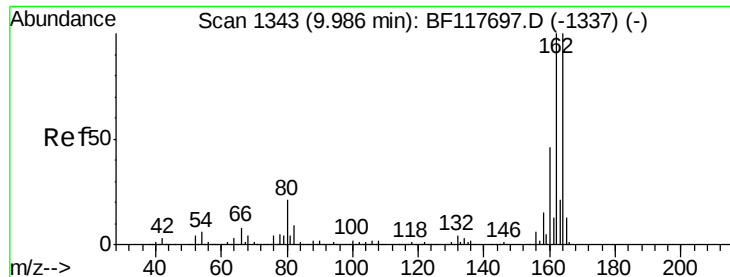
#25
Isophorone
Concen: 35.544 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion: 82 Resp: 1599675
Ion Ratio Lower Upper
82 100
95 0.1 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

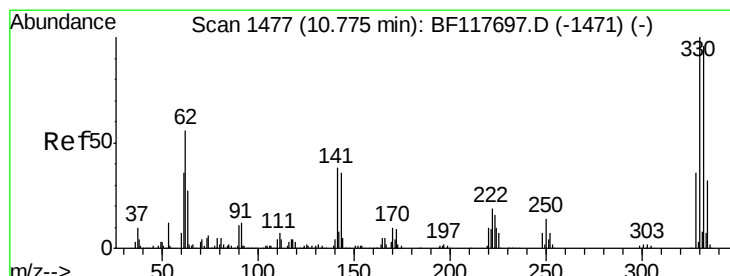
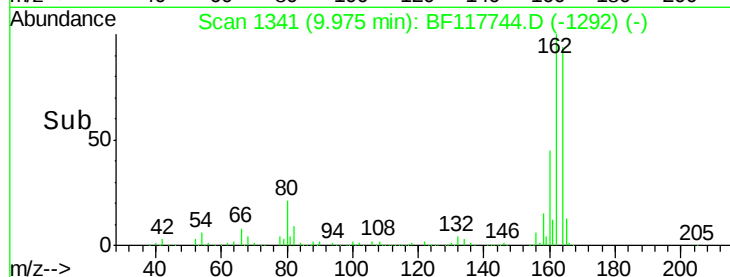
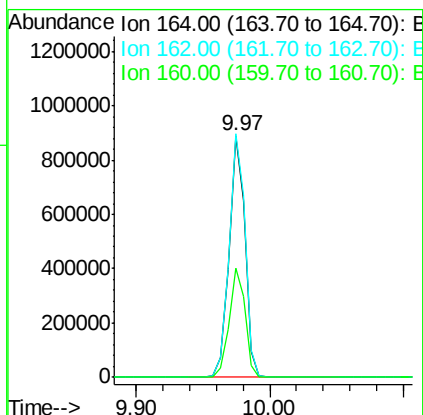
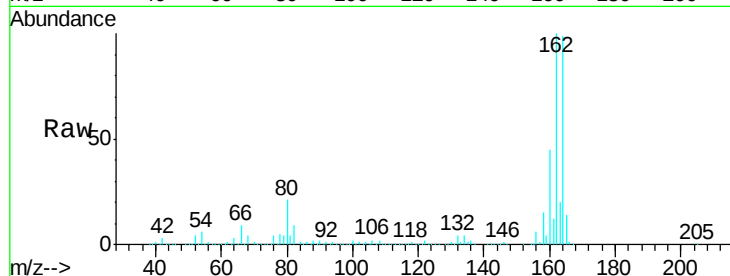




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

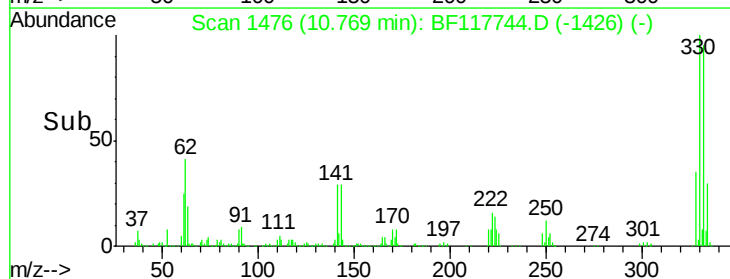
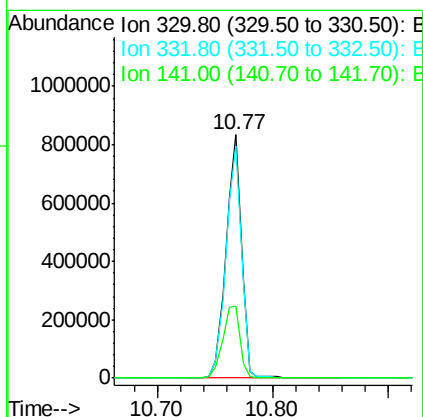
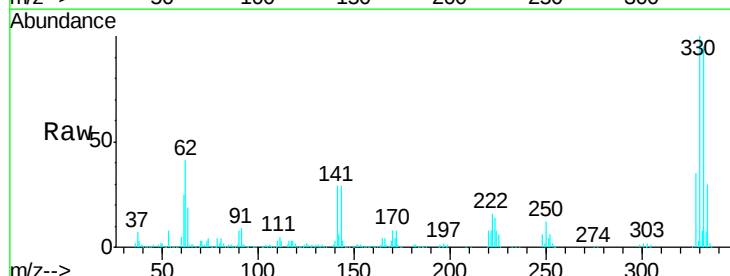
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BNA_F
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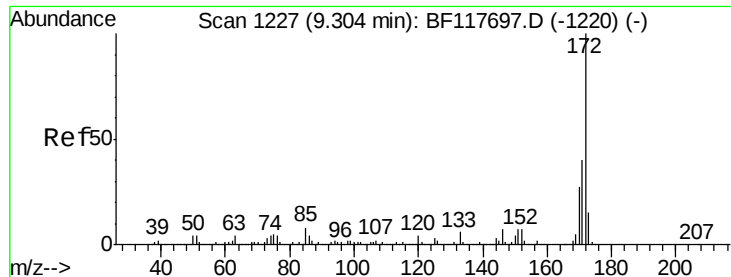
Tgt Ion:164 Resp: 748441
Ion Ratio Lower Upper
164 100
162 100.9 79.7 119.5
160 45.0 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 105.573 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion:330 Resp: 772950
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 33.2 28.0 42.0

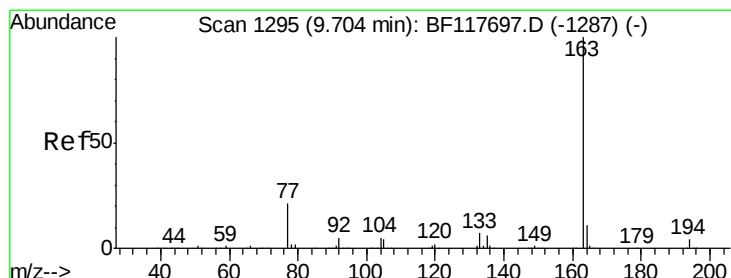
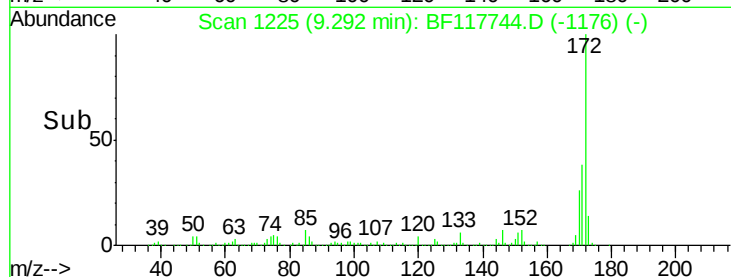
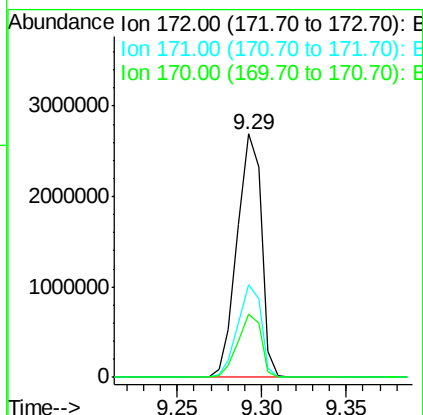
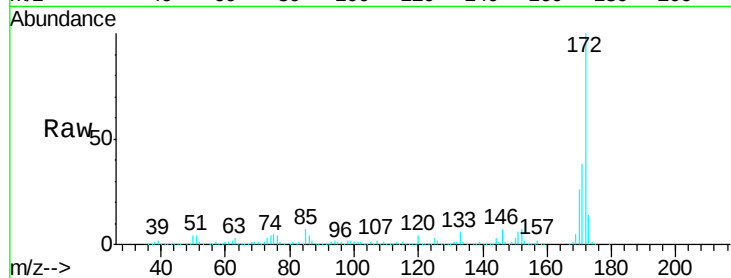




#45
 2-Fluorobiphenyl
 Concen: 71.307 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

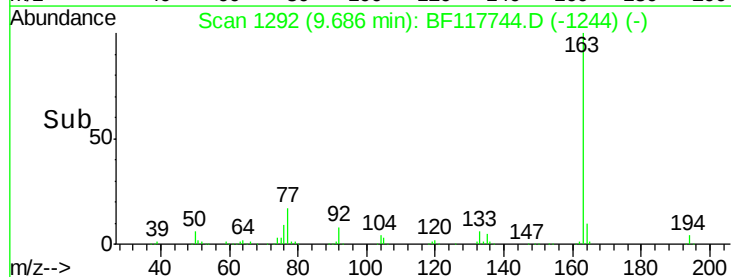
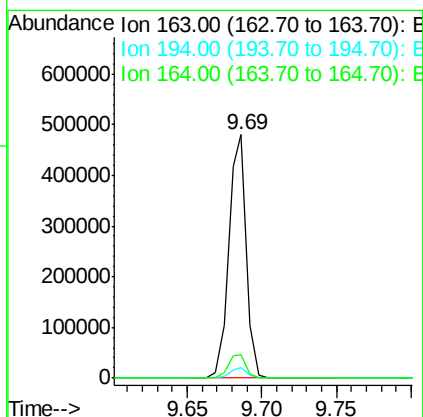
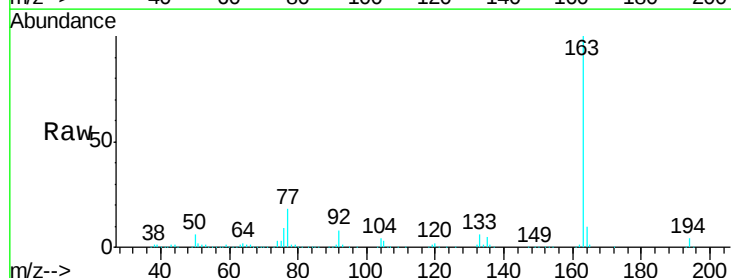
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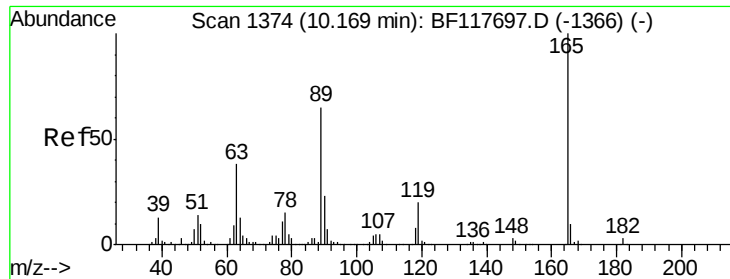
Tgt Ion:172 Resp: 2704945
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.8 47.8
 170 25.9 21.6 32.4



#50
 Dimethylphthalate
 Concen: 7.906 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Tgt Ion:163 Resp: 400027
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.0
 164 9.6 8.9 13.3

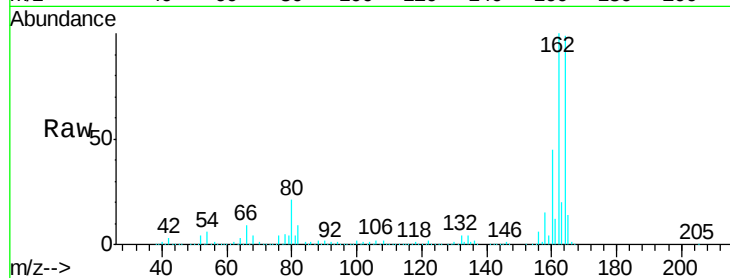




#57
 2,4-Dinitrotoluene
 Concen: 6.877 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.19 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :
 3-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.4	45.6#
89	1.3	52.2	78.4#
182	0.0	2.3	3.5#

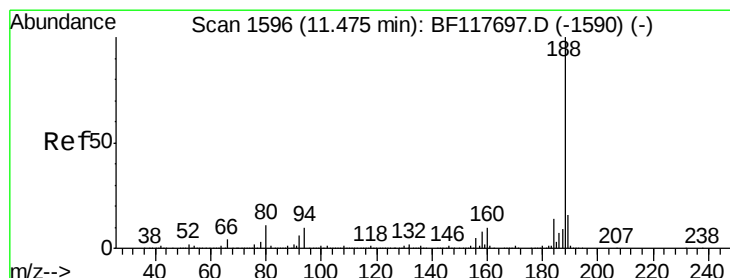
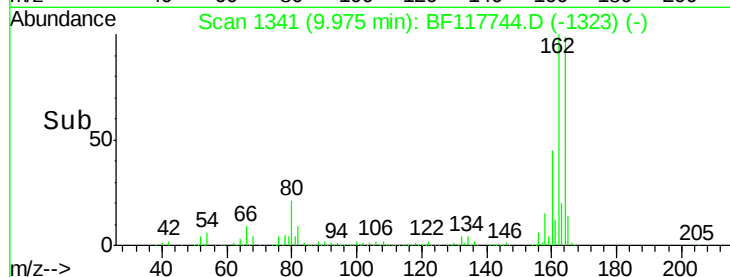
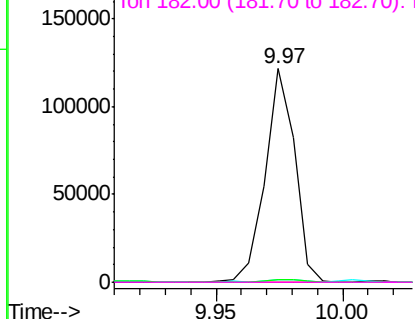


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

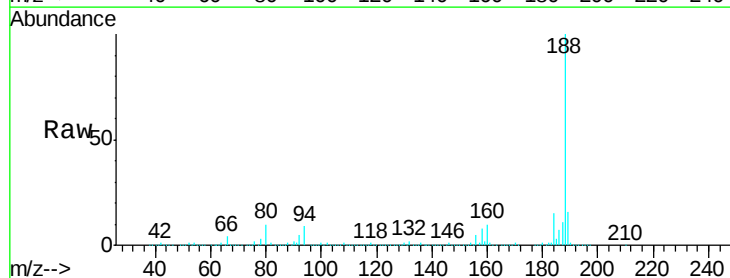
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

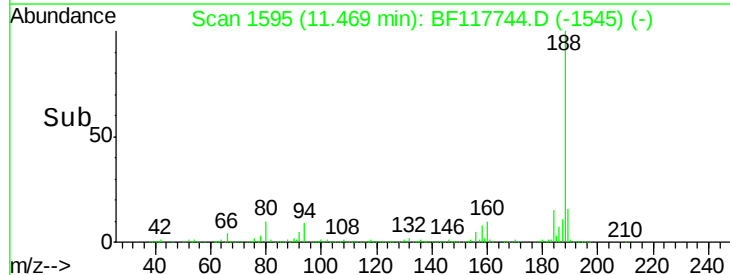
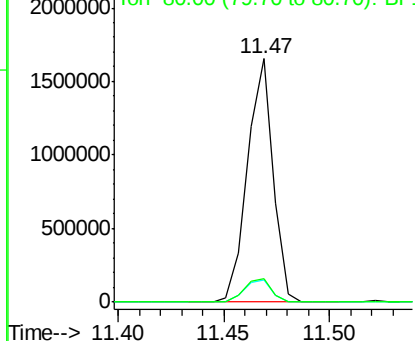
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.4
80	9.6	8.6	13.0

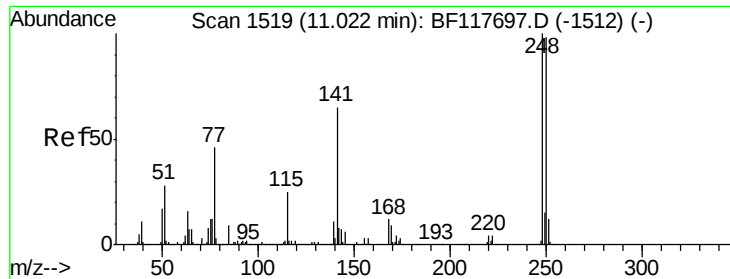


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

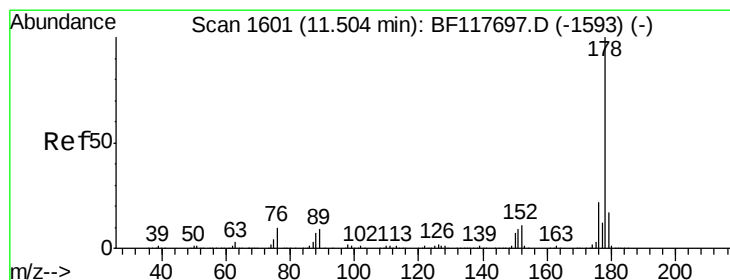
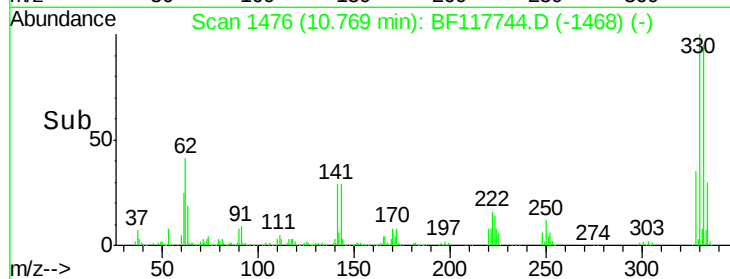
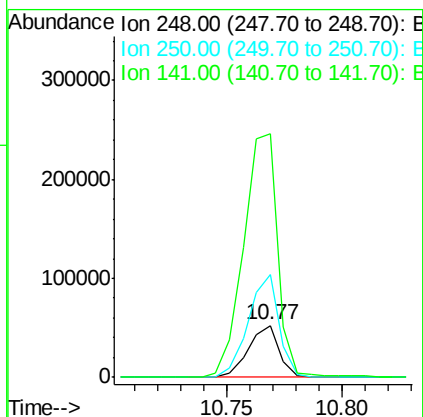
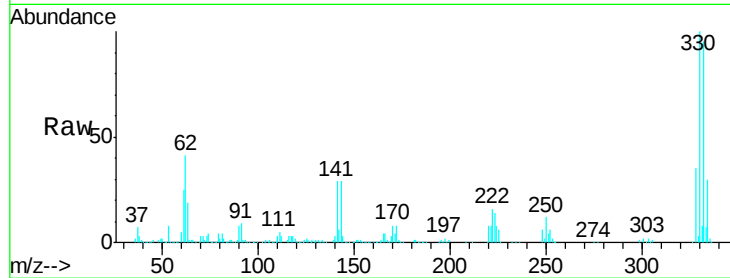




#67
 4-Bromophenyl-phenylether
 Concen: 3.196 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

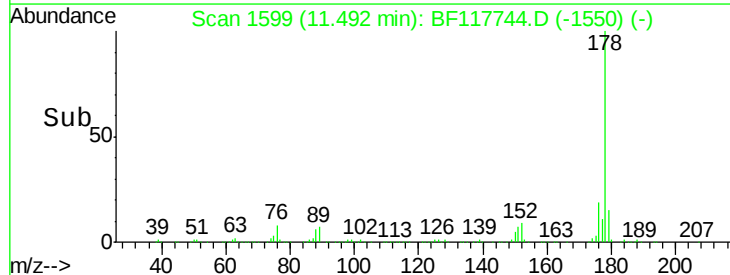
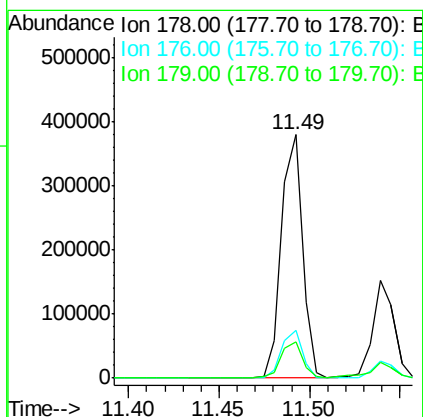
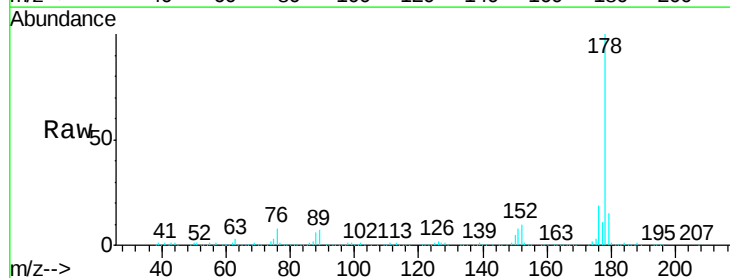
Instrument :
 BNA_F
 ClientSampleId :
 3-D

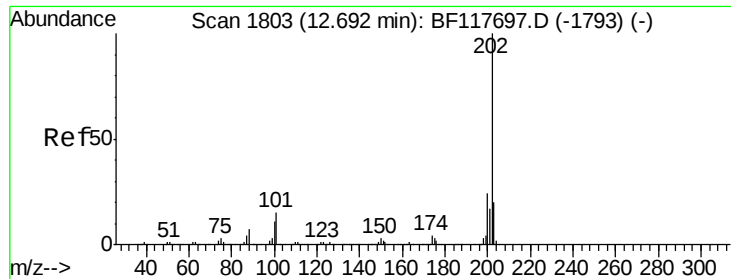
Tgt Ion:248 Resp: 48749
 Ion Ratio Lower Upper
 248 100
 250 200.0 78.7 118.1#
 141 471.9 51.8 77.8#



#71
 Phenanthrene
 Concen: 4.659 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Tgt Ion:178 Resp: 311868
 Ion Ratio Lower Upper
 178 100
 176 19.4 17.7 26.5
 179 15.1 13.8 20.8





#75

Fluoranthene

Concen: 16.090 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

ClientSampleId :

3-D

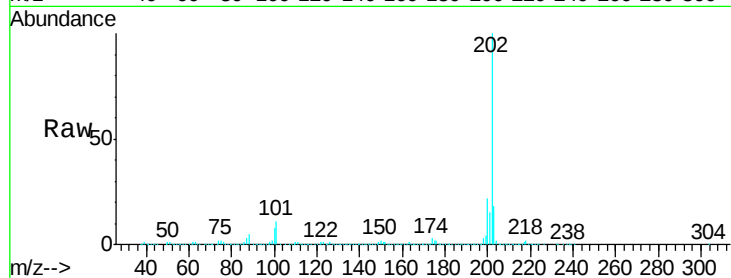
Tgt Ion:202 Resp: 1099759

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.5

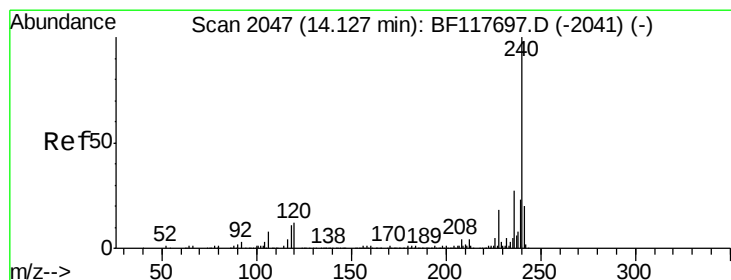
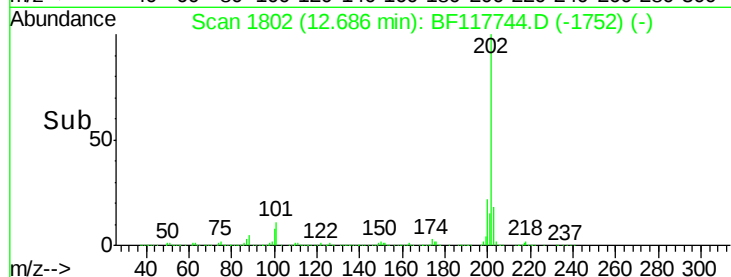
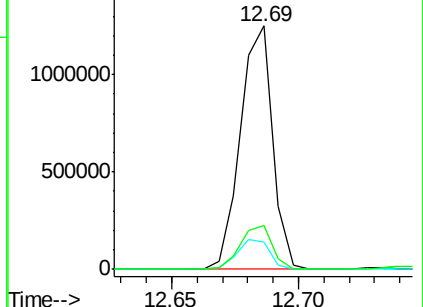
203 18.1 0.0 39.8



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: BF117744.D

Acq: 8 Nov 2019 21:10

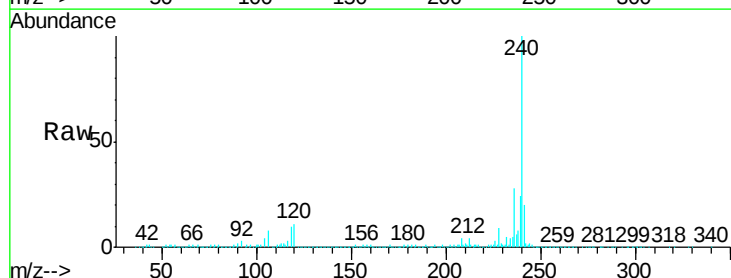
Tgt Ion:240 Resp: 796980

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

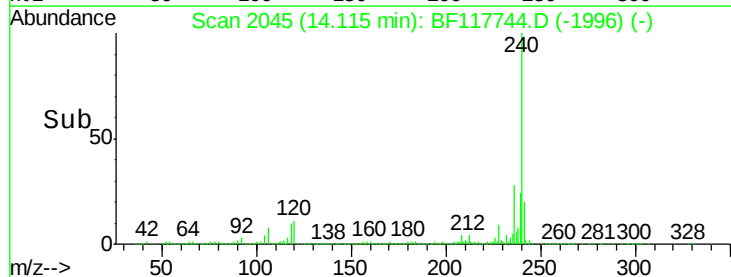
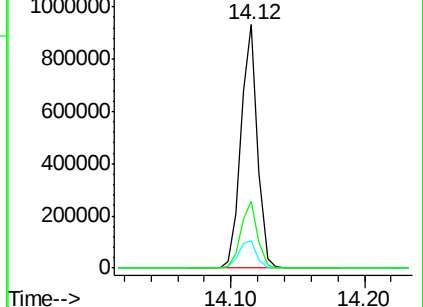
236 27.5 21.9 32.9

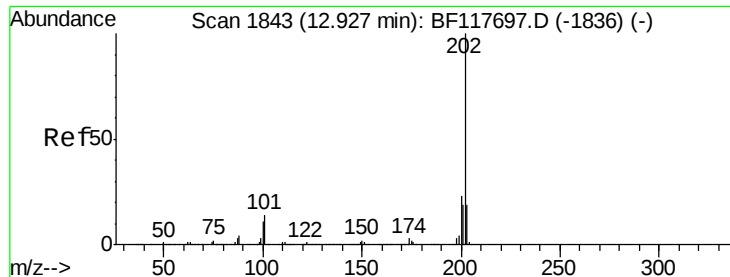


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 18.379 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

ClientSampleId :

3-D

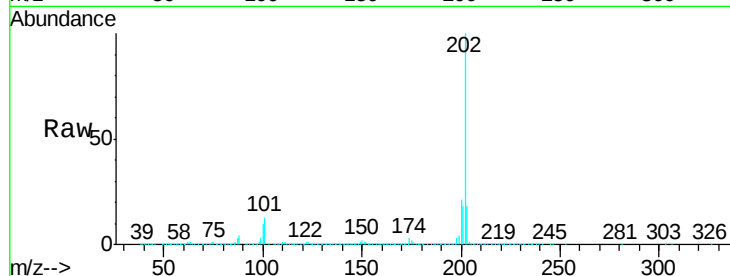
Tgt Ion:202 Resp: 1069277

Ion Ratio Lower Upper

202 100

200 21.3 18.8 28.2

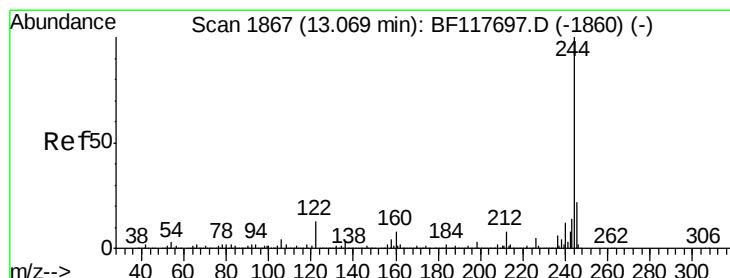
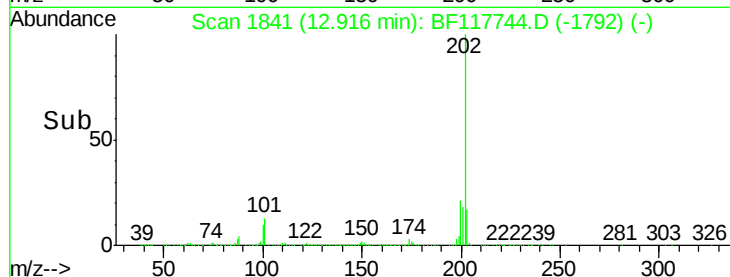
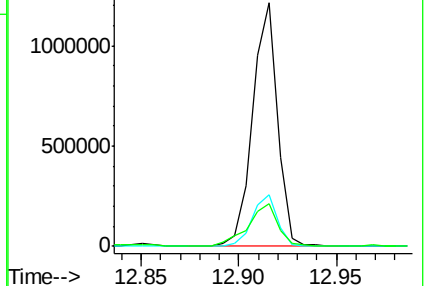
203 17.6 15.2 22.8



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: 72.831 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

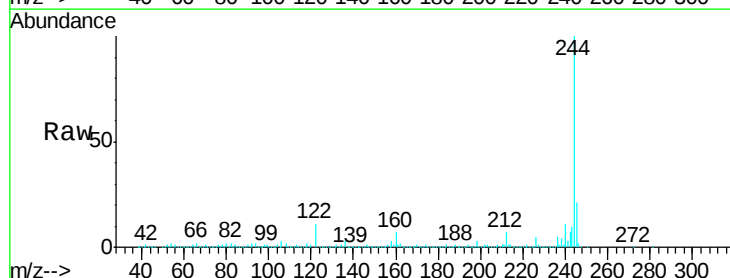
Tgt Ion:244 Resp: 2819653

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

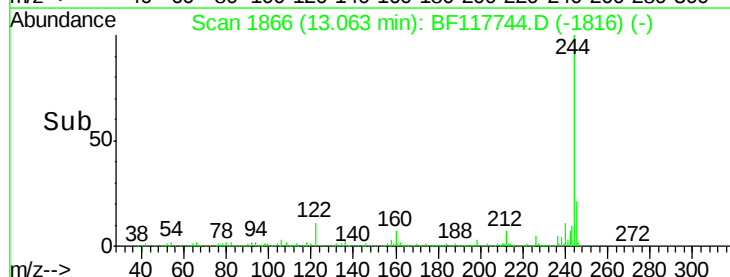
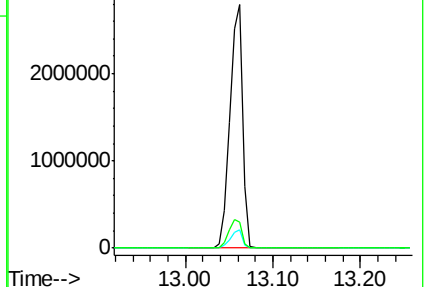
122 10.8 10.0 15.0

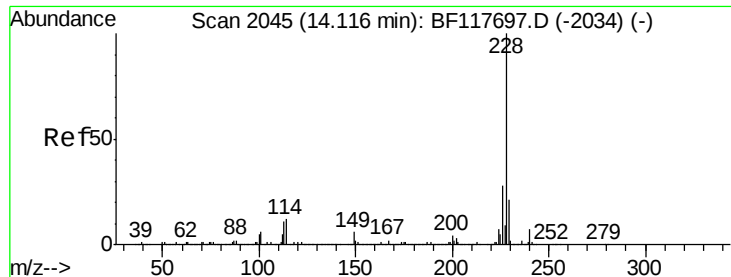


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

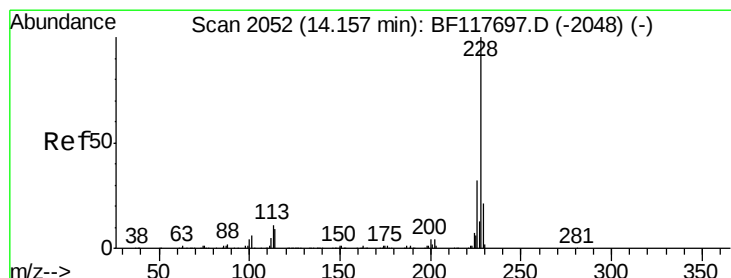
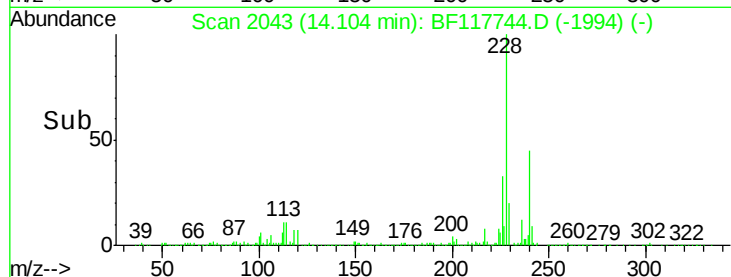
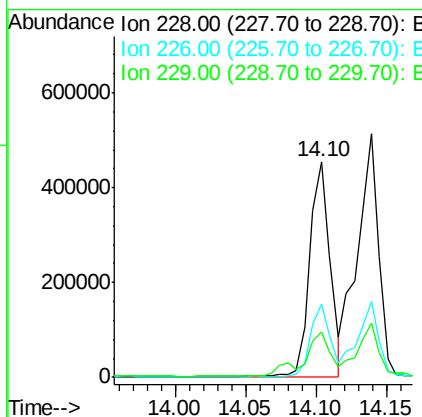
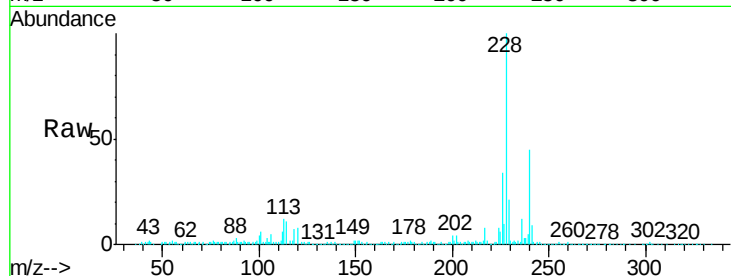




#81
Benzo(a)anthracene
Concen: 9.172 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

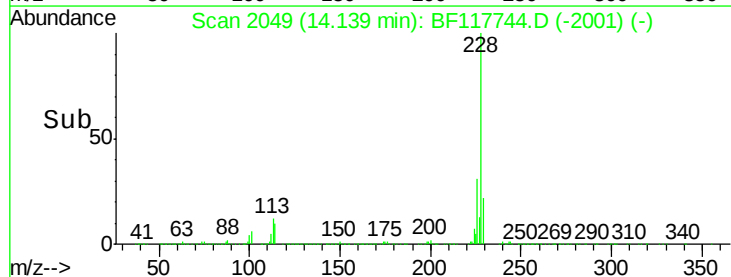
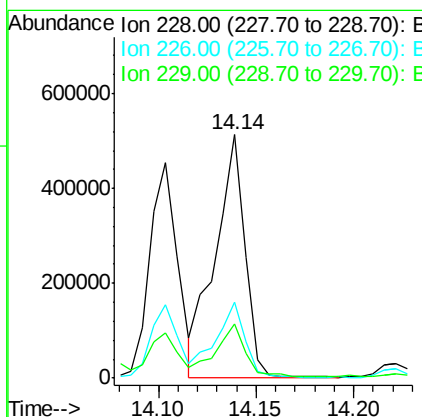
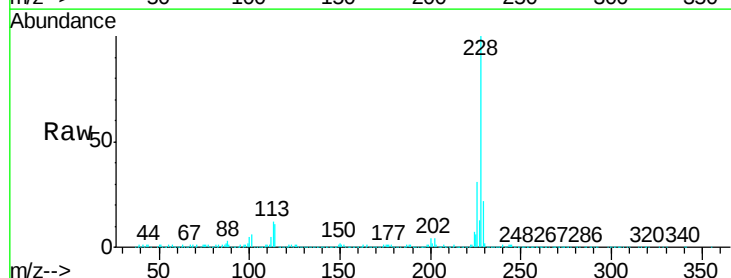
Instrument :
BNA_F
ClientSampleId :
3-D

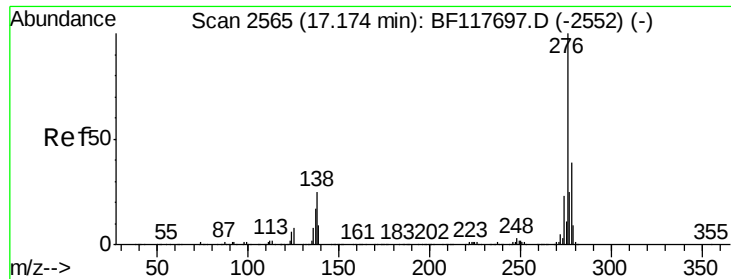
Tgt Ion:228 Resp: 455010
Ion Ratio Lower Upper
228 100
226 33.9 22.8 34.2
229 21.1 16.9 25.3



#83
Chrysene
Concen: 11.087 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion:228 Resp: 543146
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.2
229 22.2 16.6 24.8

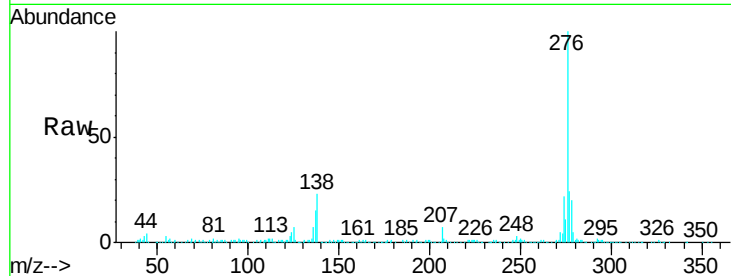




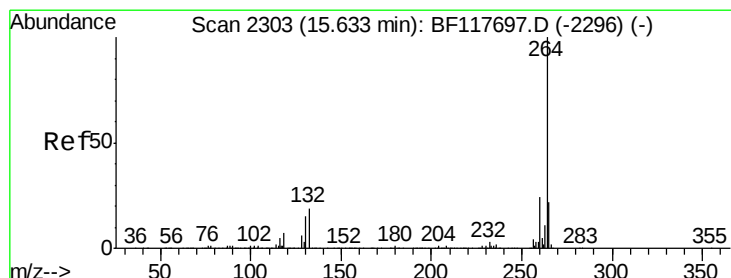
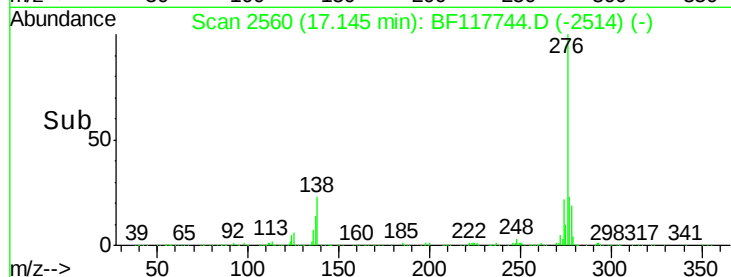
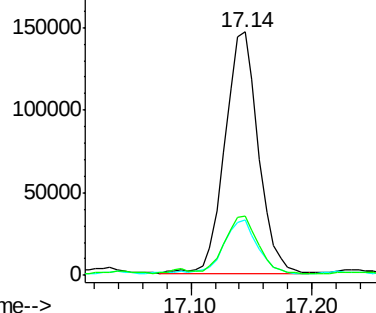
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.193 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.03 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :
 3-D

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.4	33.6
277	24.3	20.6	30.8

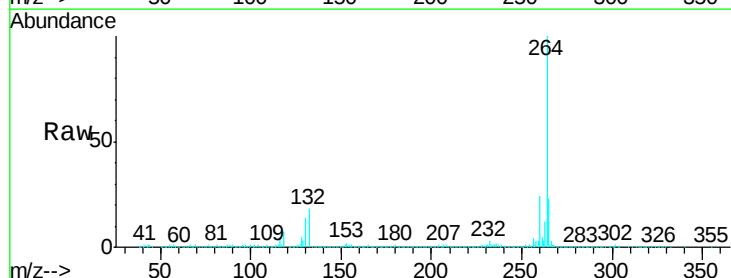


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

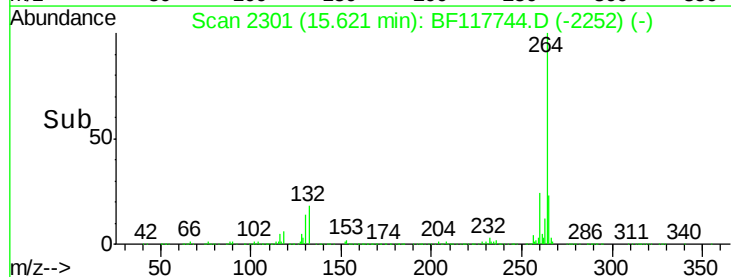
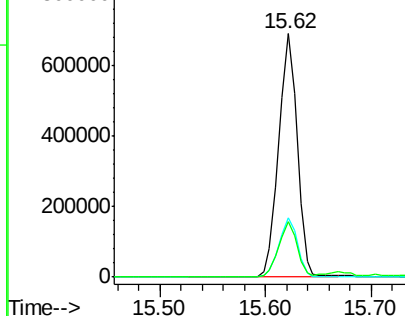


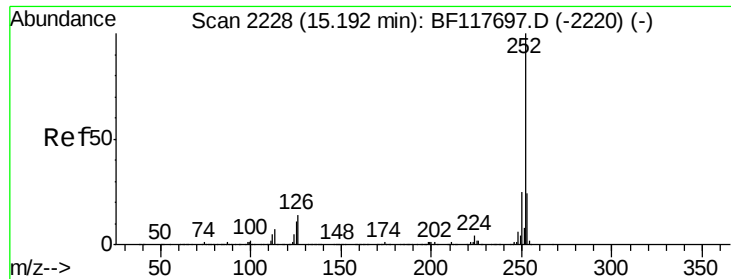
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.9	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

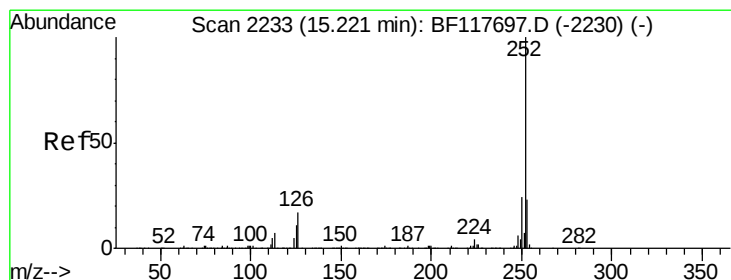
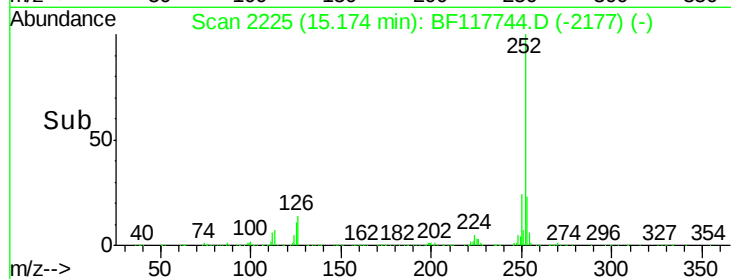
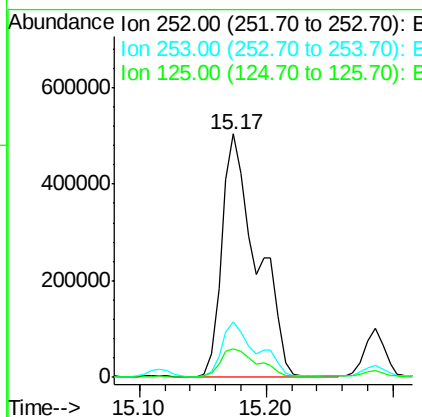
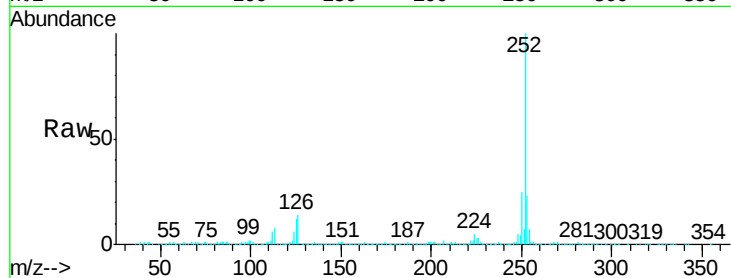




#88
Benzo(b)fluoranthene
Concen: 18.500 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

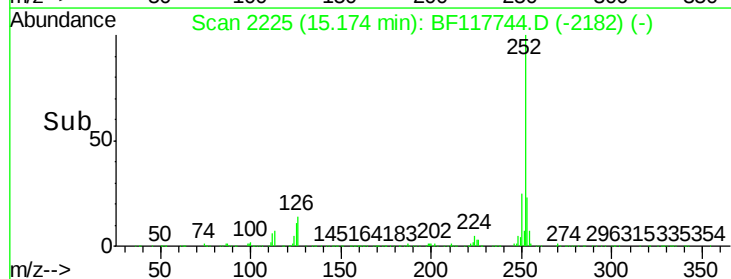
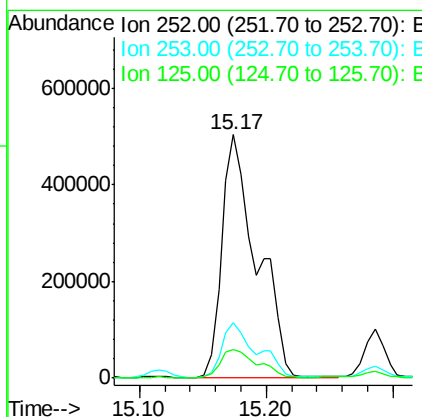
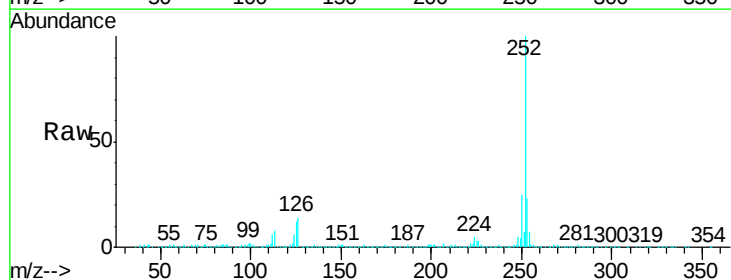
Instrument :
BNA_F
ClientSampleId :
3-D

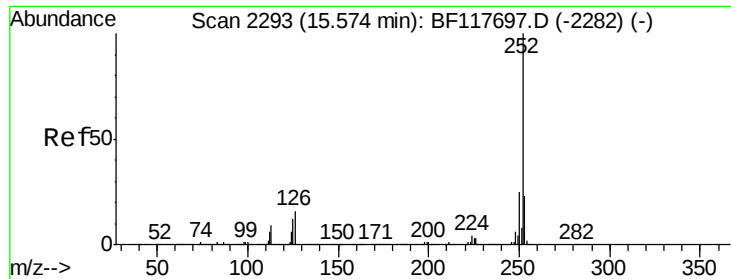
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.9	28.3
125	11.9	8.5	12.7



#89
Benzo(k)fluoranthene
Concen: 20.742 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.05 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.9	9.1	13.7





#90

Benzo(a)pyrene

Concen: 7.754 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

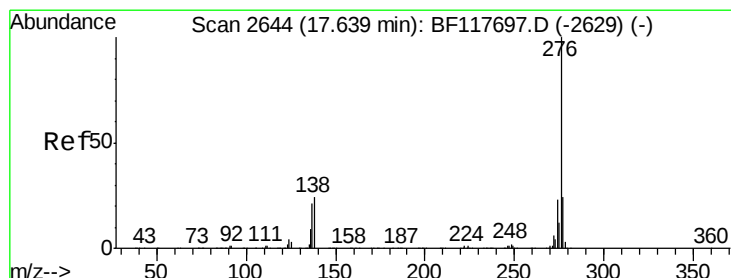
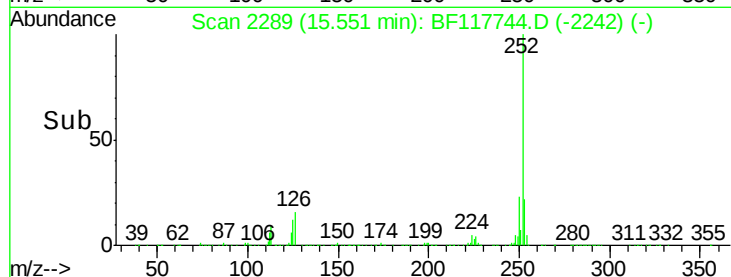
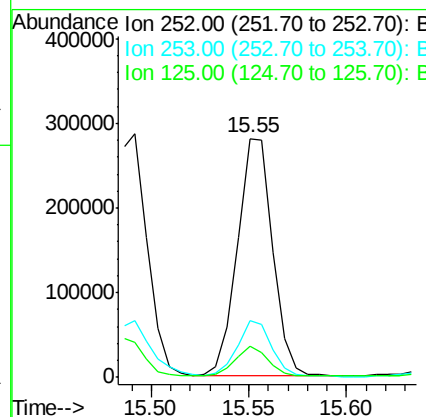
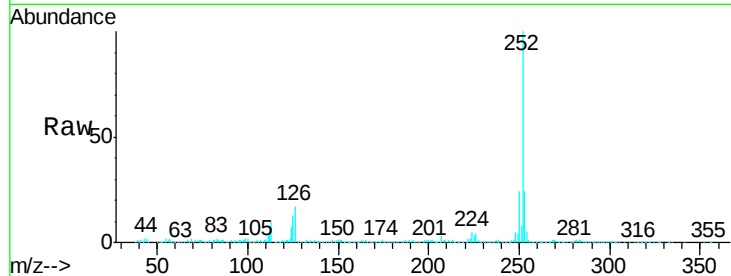
Instrument :

BNA_F

ClientSampleId :

3-D

Tgt Ion:	252	Resp:	350542
Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	13.3	9.5	14.3



#92

Benzo(g,h,i)perylene

Concen: 6.257 ng

RT: 17.60 min Scan# 2638

Delta R.T. -0.04 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Tgt Ion:	276	Resp:	245837
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	24.5	19.2	28.8

