

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117732.D
 Acq On : 8 Nov 2019 15:50
 Operator : JU
 Sample : K5722-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-B

Quant Time: Nov 09 01:21:59 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

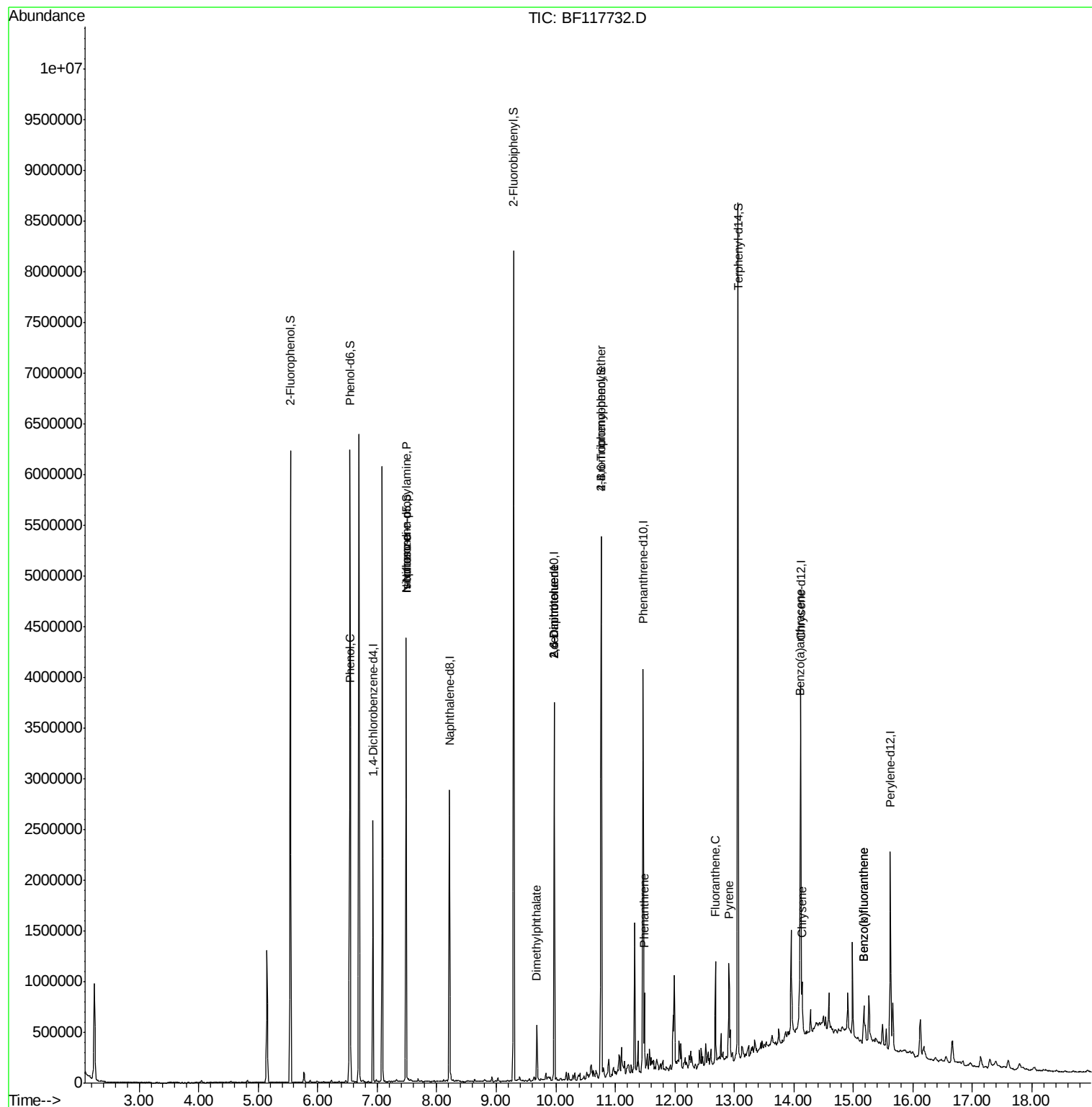
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	336850	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1320466	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	726241	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1422024	20.00	ng	0.00
76) Chrysene-d12	14.12	240	1029714	20.00	ng	-0.01
87) Perylene-d12	15.62	264	912535	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1748952	93.98	ng	0.00
7) Phenol-d6	6.55	99	2259864	98.49	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1362482	60.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	665338	93.65	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2560169	69.55	ng	-0.01
79) Terphenyl-d14	13.06	244	3086664	61.71	ng	0.00
Target Compounds						
10) Phenol	6.56	94	52409	2.120	ng	98
19) n-Nitroso-di-n-propylamine	7.49	70	185983	12.327	ng	# 77
25) Isophorone	7.49	82	1356812	31.718	ng	# 62
50) Dimethylphthalate	9.69	163	216899	4.418	ng	98
51) 2,6-Dinitrotoluene	9.97	165	93473	8.502	ng	# 24
57) 2,4-Dinitrotoluene	9.97	165	93473	6.628	ng	# 28
67) 4-Bromophenyl-phenylether	10.76	248	43121	2.777	ng	# 1
71) Phenanthrene	11.49	178	285994	4.196	ng	95
75) Fluoranthene	12.68	202	341208	4.903	ng	95
78) Pyrene	12.91	202	358650	4.771	ng	97
81) Benzo(a)anthracene	14.10	228	145678	2.273	ng	98
83) Chrysene	14.14	228	184706	2.918	ng	98
88) Benzo(b)fluoranthene	15.17	252	274756	4.781	ng	# 97
89) Benzo(k)fluoranthene	15.17	252	274756	5.360	ng	# 96

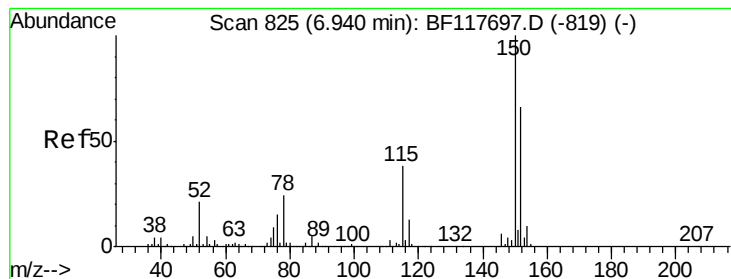
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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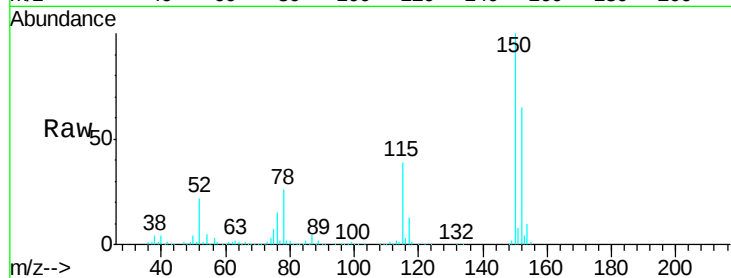


#1

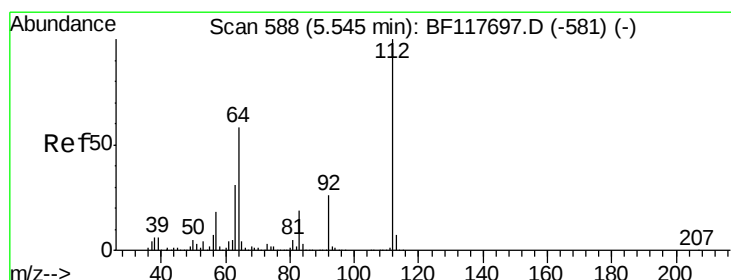
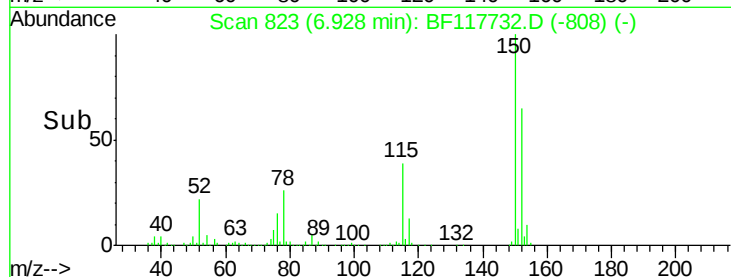
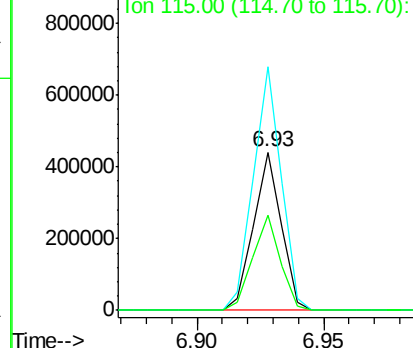
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Instrument :
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ClientSampleId :
6-B

Tgt Ion:152 Resp: 336850
Ion Ratio Lower Upper
152 100
150 154.2 121.4 182.2
115 60.6 46.7 70.1



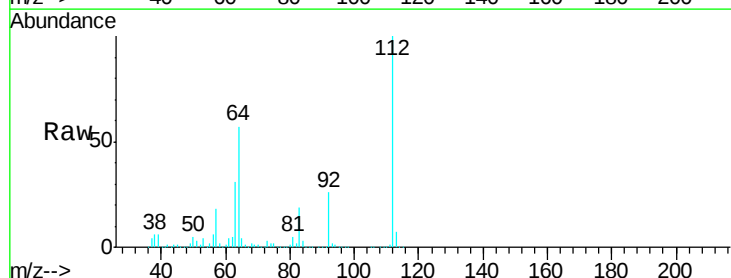
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



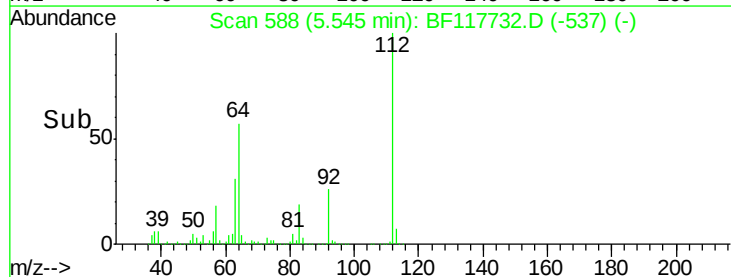
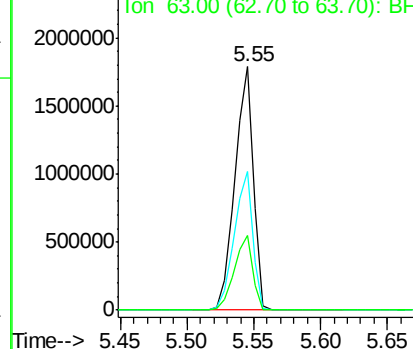
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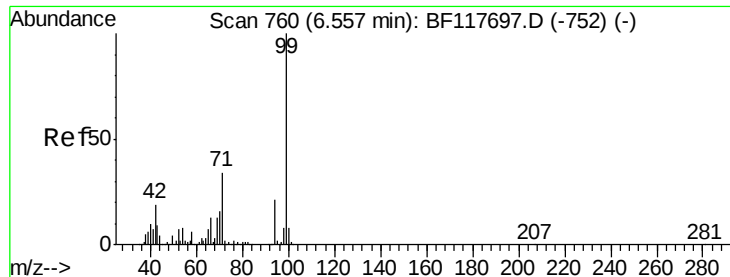
2-Fluorophenol
Concen: 93.985 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion:112 Resp: 1748952
Ion Ratio Lower Upper
112 100
64 57.0 46.4 69.6
63 30.8 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: 98.489 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

Instrument :

BNA_F

ClientSampled :

6-B

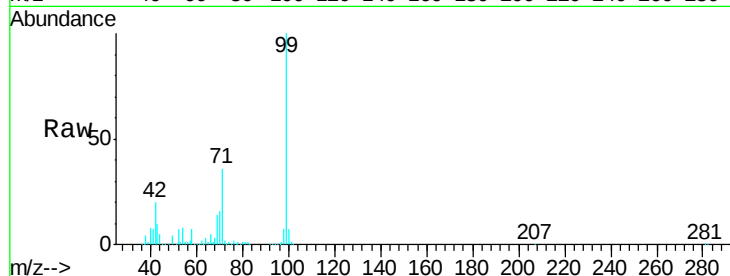
Tgt Ion: 99 Resp: 2259864

Ion Ratio Lower Upper

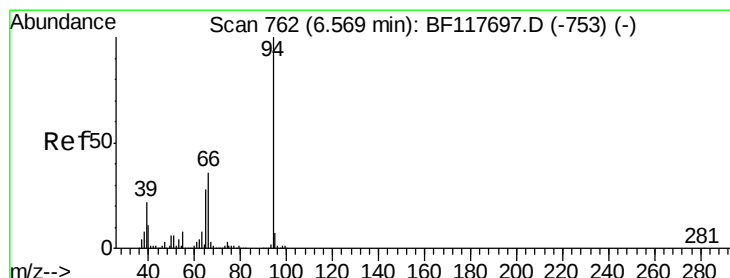
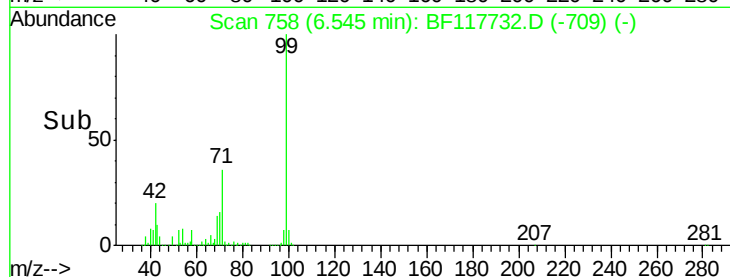
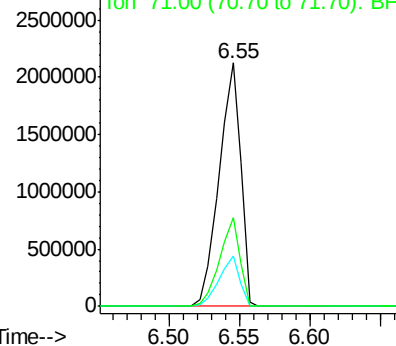
99 100

42 20.4 15.3 22.9

71 36.3 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: 2.120 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

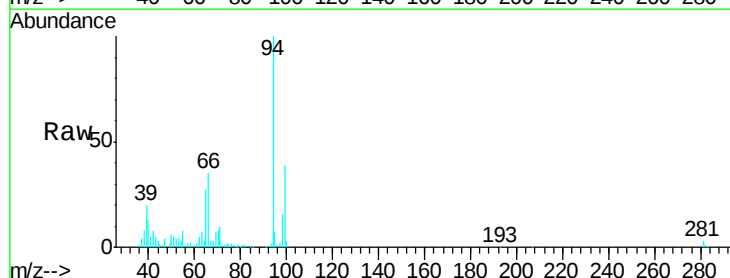
Tgt Ion: 94 Resp: 52409

Ion Ratio Lower Upper

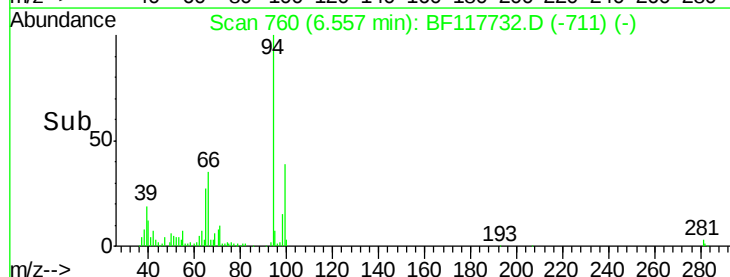
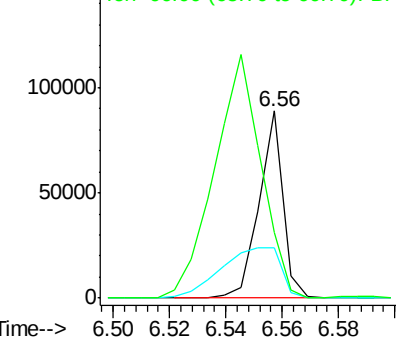
94 100

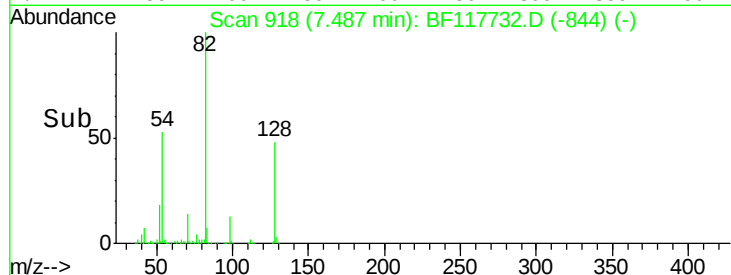
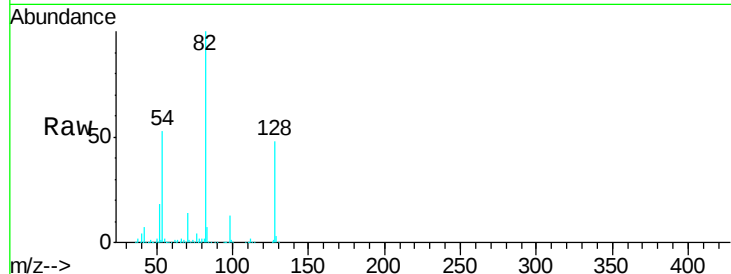
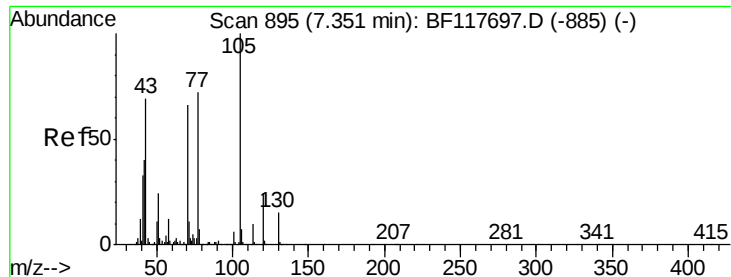
65 26.6 7.6 47.6

66 35.2 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

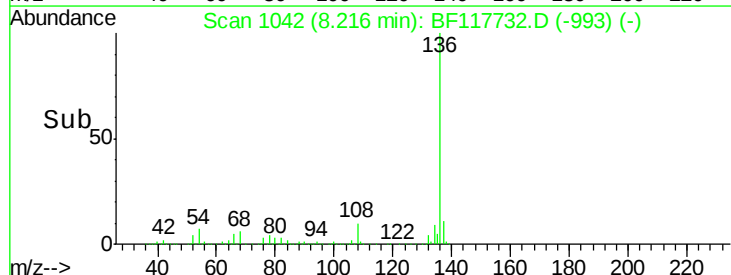
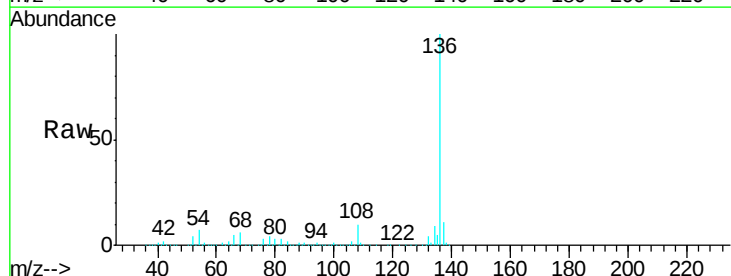
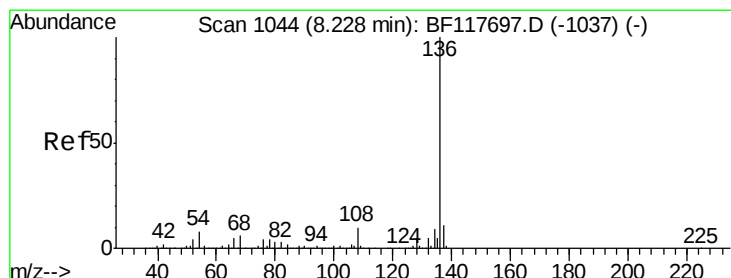
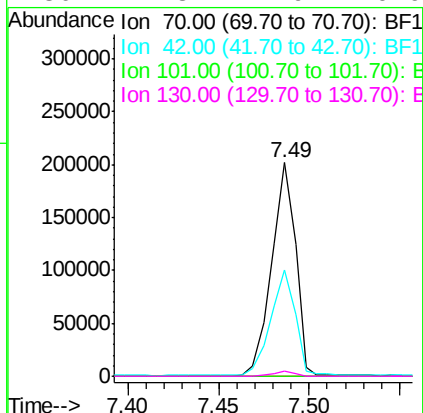




#19
n-Nitroso-di-n-propylamine
Concen: 12.327 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.14 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

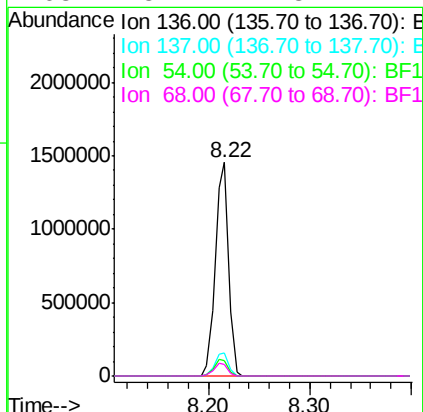
Instrument :
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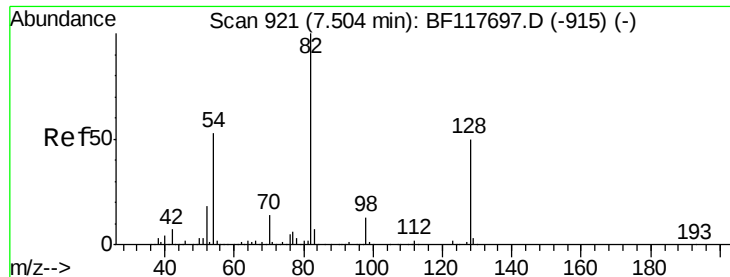
Tgt Ion:	70	Resp:	185983
Ion	Ratio	Lower	Upper
70	100		
42	49.8	49.1	73.7
101	0.0	7.8	11.8#
130	2.3	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion:	136	Resp:	1320466
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	6.0	9.0
68	5.7	4.8	7.2

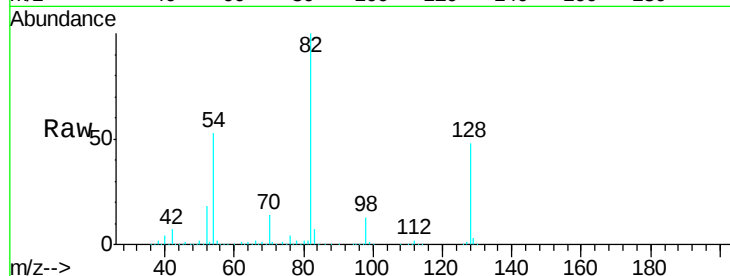




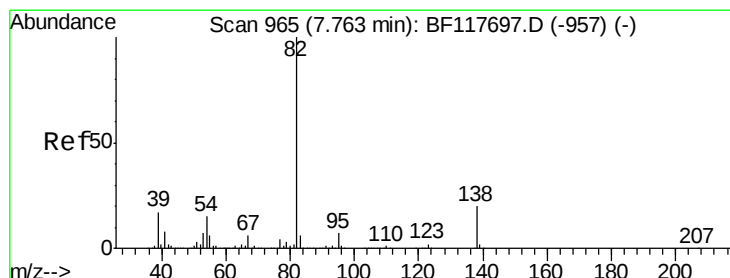
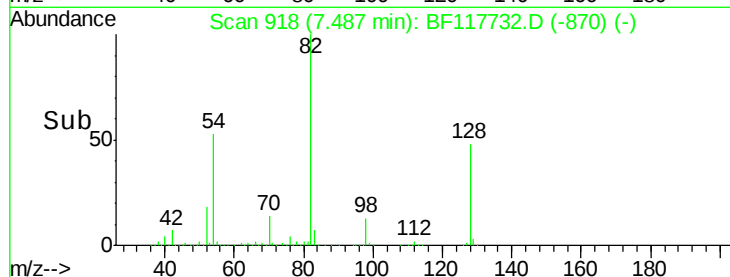
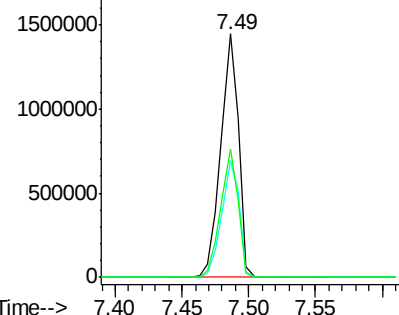
#23
Nitrobenzene-d5
Concen: 60.918 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Instrument :
BNA_F
ClientSampleId :
6-B

Tgt Ion: 82 Resp: 1362482
Ion Ratio Lower Upper
82 100
128 48.0 40.2 60.2
54 52.7 42.0 63.0

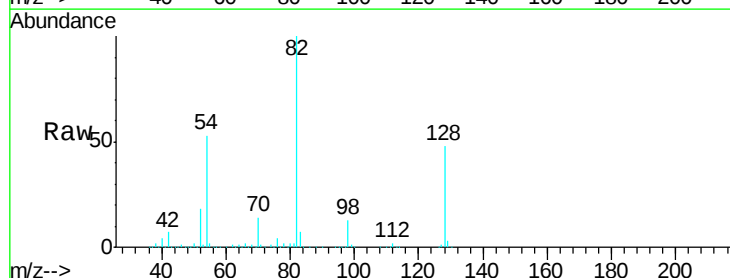


Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

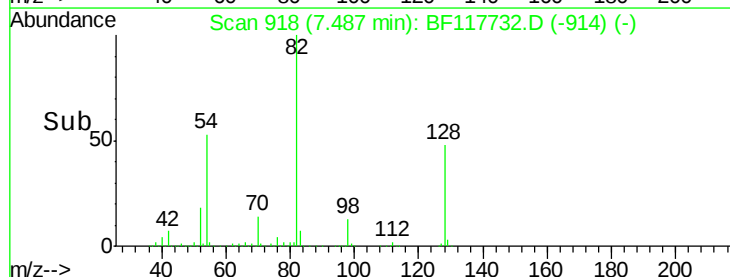
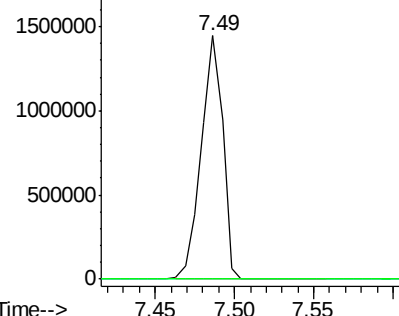


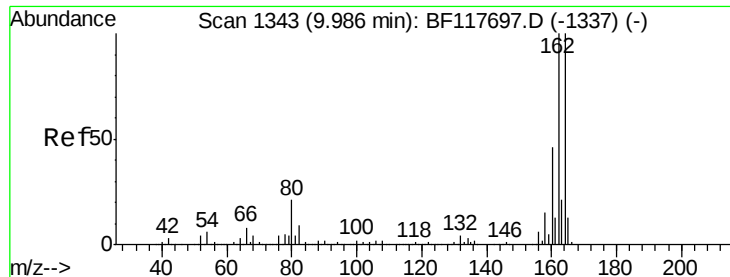
#25
Isophorone
Concen: 31.718 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.28 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion: 82 Resp: 1356812
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

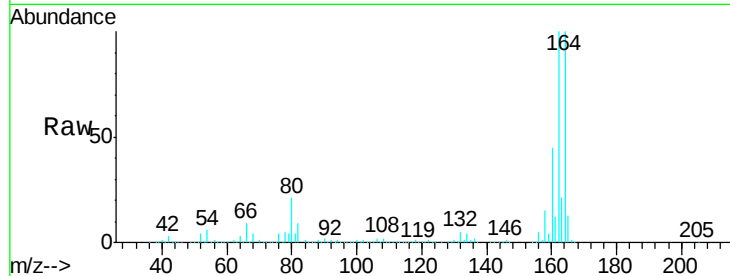




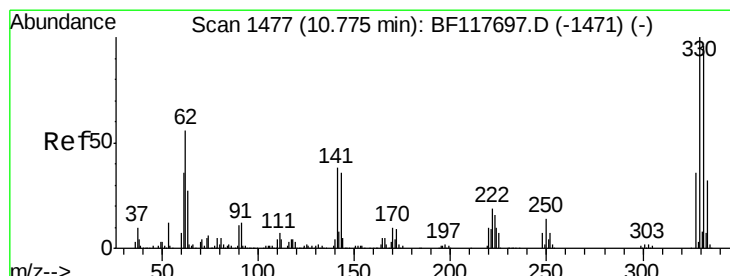
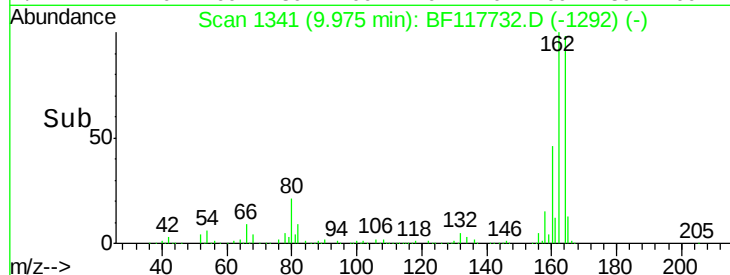
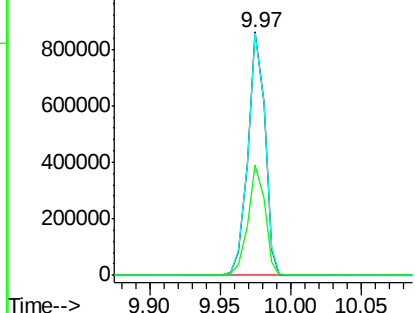
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117732.D
 Acq: 8 Nov 2019 15:50

Instrument :
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 ClientSampleId :
 6-B

Tgt Ion:164 Resp: 726241
 Ion Ratio Lower Upper
 164 100
 162 99.5 79.7 119.5
 160 45.2 36.5 54.7

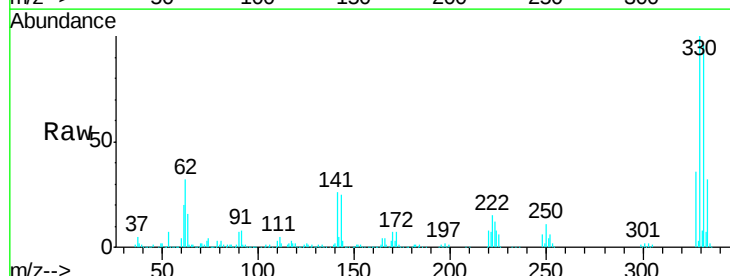


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

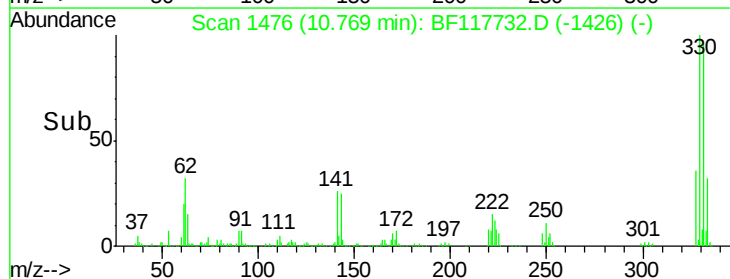
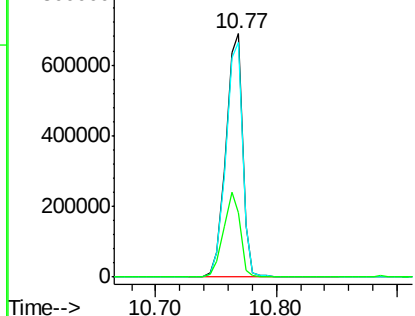


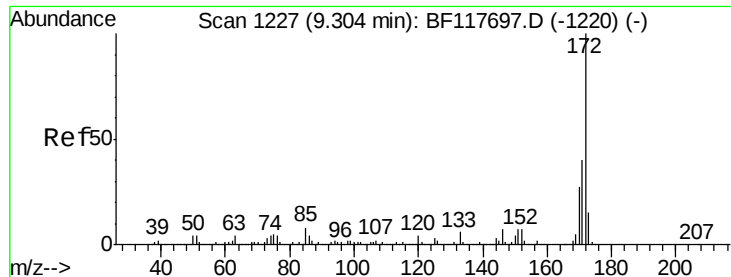
#42
 2,4,6-Tribromophenol
 Concen: 93.653 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117732.D
 Acq: 8 Nov 2019 15:50

Tgt Ion:330 Resp: 665338
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.0
 141 34.0 28.0 42.0



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

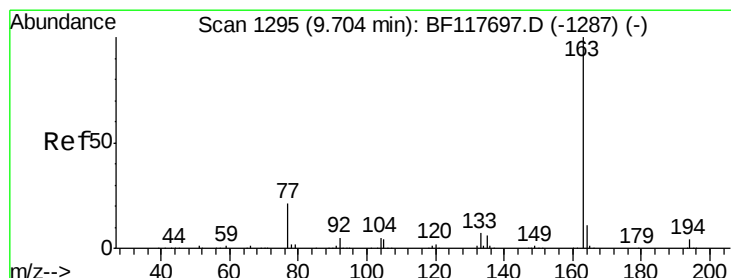
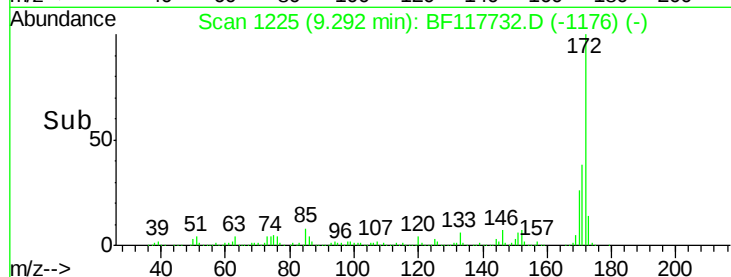
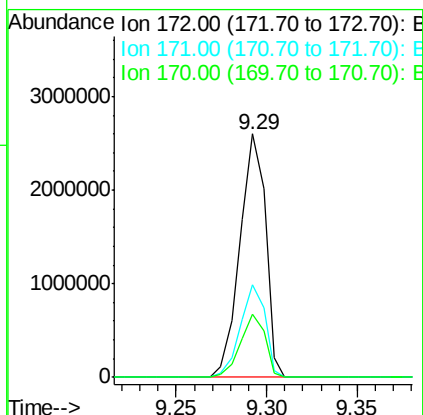
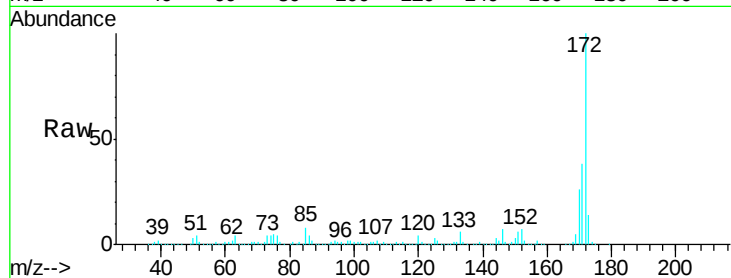




#45
2-Fluorobiphenyl
Concen: 69.553 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

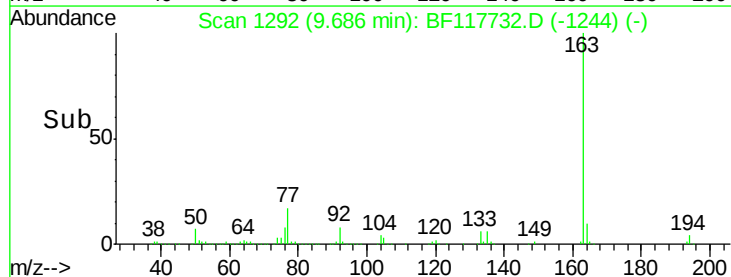
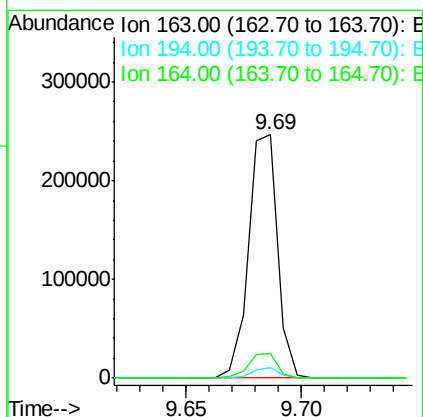
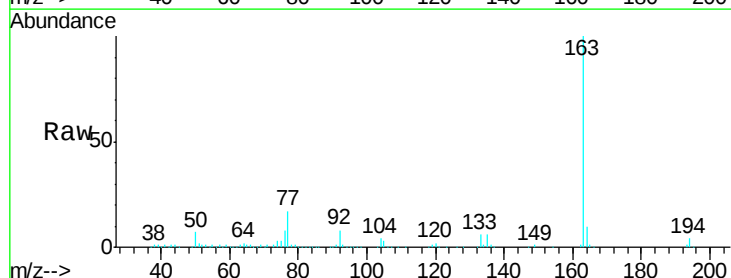
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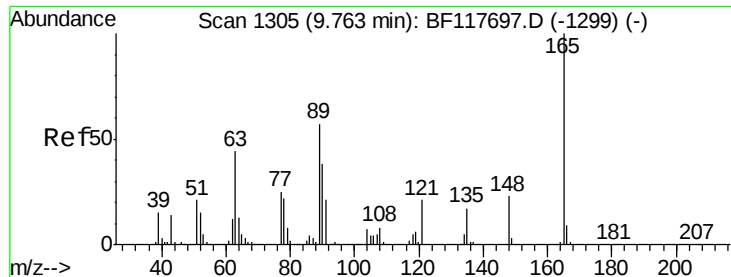
Tgt Ion:172 Resp: 2560169
Ion Ratio Lower Upper
172 100
171 38.1 31.8 47.8
170 25.8 21.6 32.4



#50
Dimethylphthalate
Concen: 4.418 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion:163 Resp: 216899
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.1 8.9 13.3

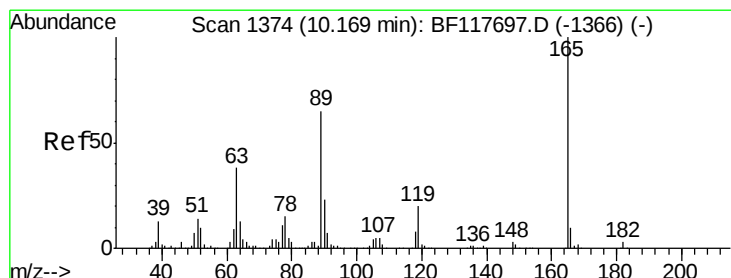
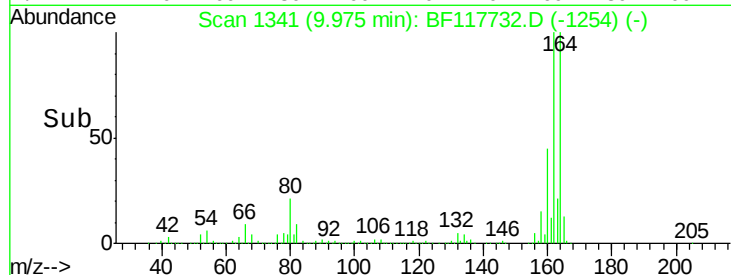
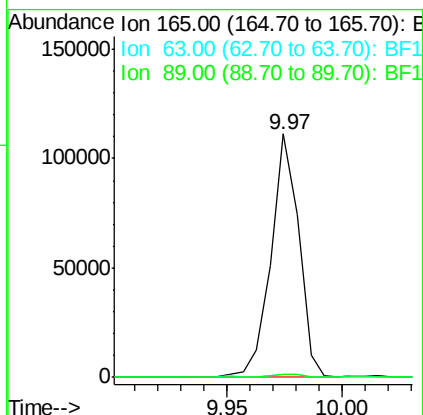
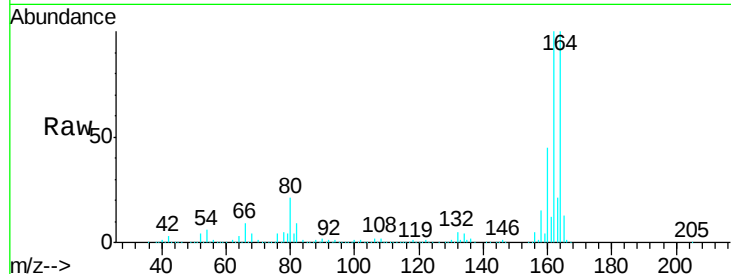




#51
 2,6-Dinitrotoluene
 Concen: 8.502 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.21 min
 Lab File: BF117732.D
 Acq: 8 Nov 2019 15:50

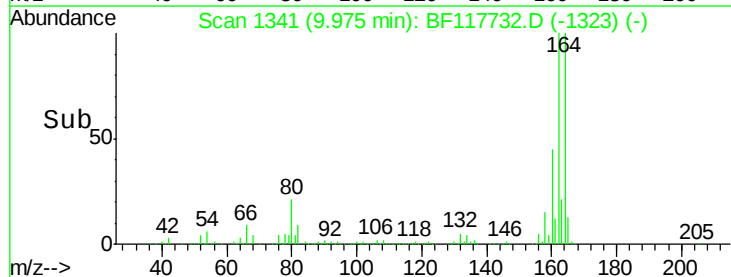
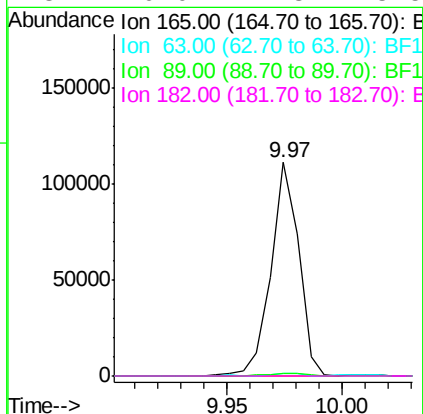
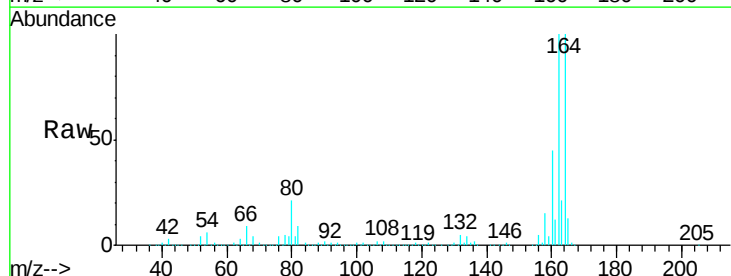
Instrument :
 BNA_F
 ClientSampled :
 6-B

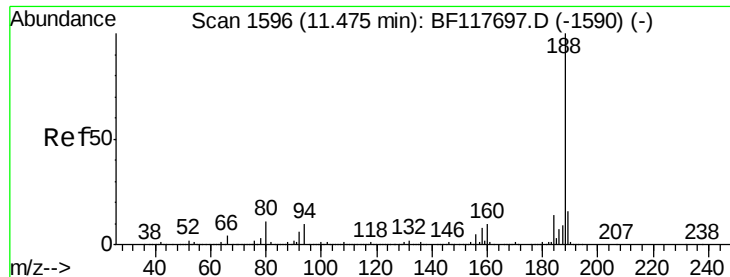
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	45.6	68.4#
89	1.5	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.628 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.19 min
 Lab File: BF117732.D
 Acq: 8 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.4	45.6#
89	1.5	52.2	78.4#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

Instrument :

BNA_F

ClientSampleId :

6-B

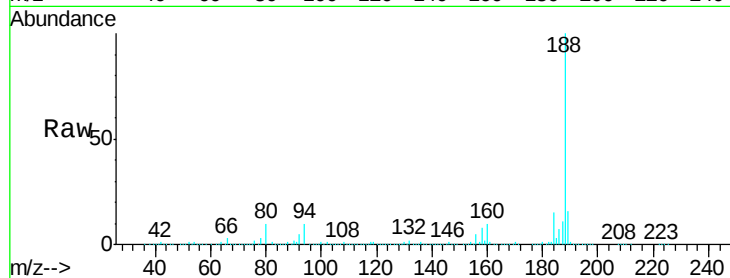
Tgt Ion:188 Resp: 1422024

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

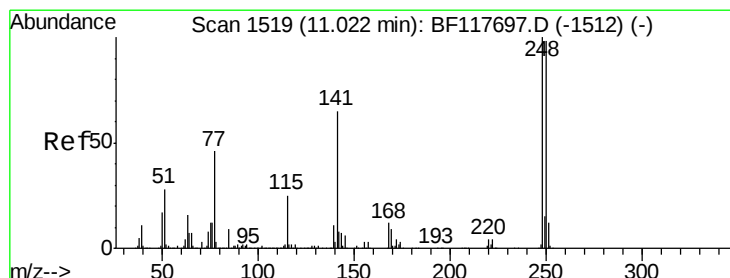
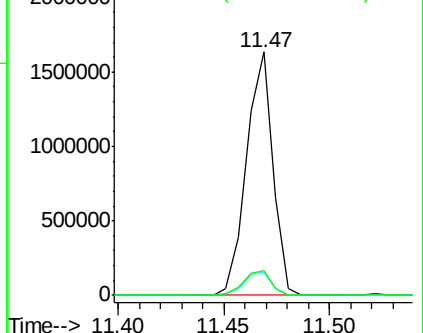
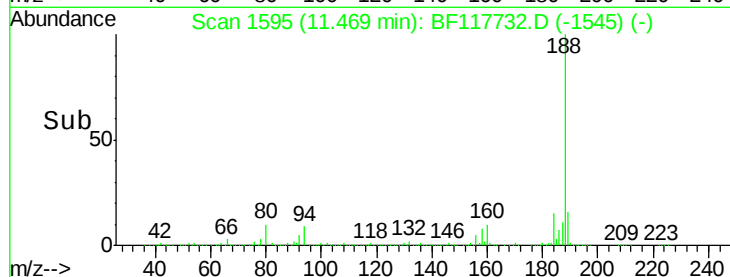
80 9.9 8.6 13.0



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: 2.777 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.26 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

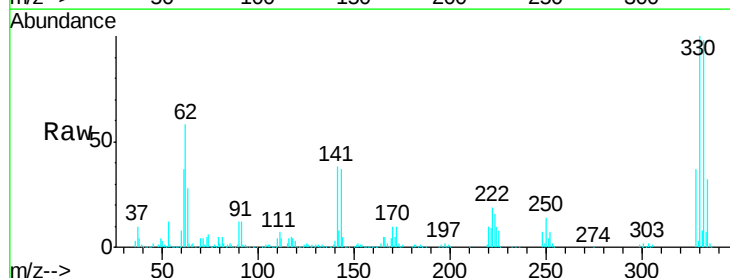
Tgt Ion:248 Resp: 43121

Ion Ratio Lower Upper

248 100

250 191.8 78.7 118.1#

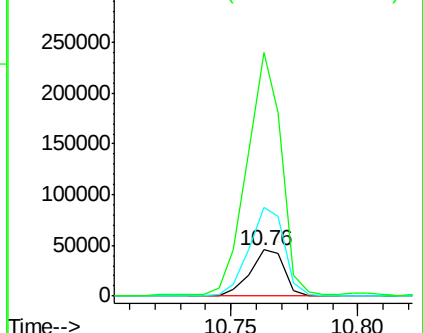
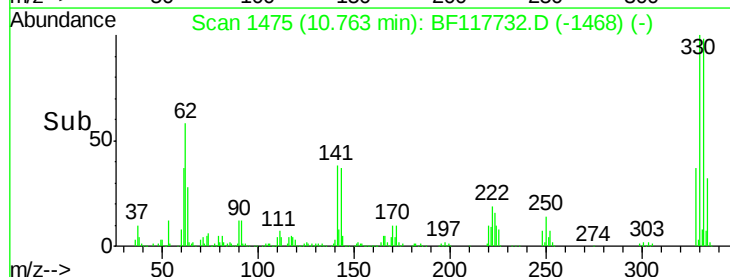
141 529.0 51.8 77.8#

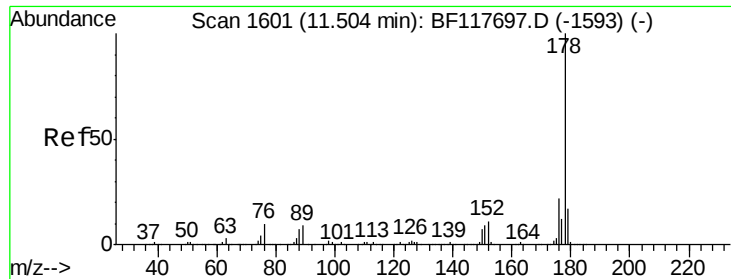


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.196 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

Instrument :

BNA_F

ClientSampleId :

6-B

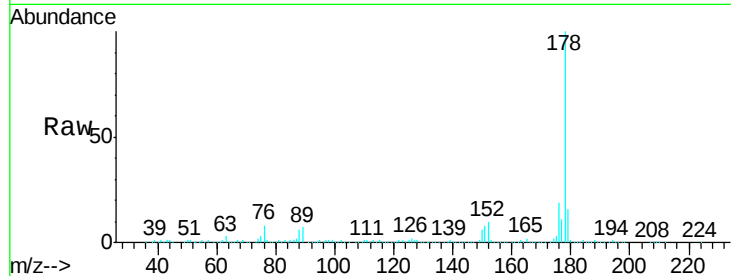
Tgt Ion:178 Resp: 285994

Ion Ratio Lower Upper

178 100

176 18.9 17.7 26.5

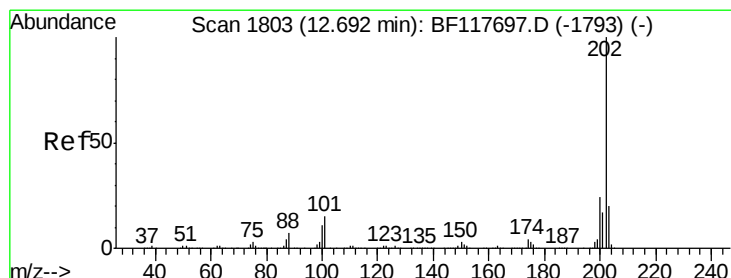
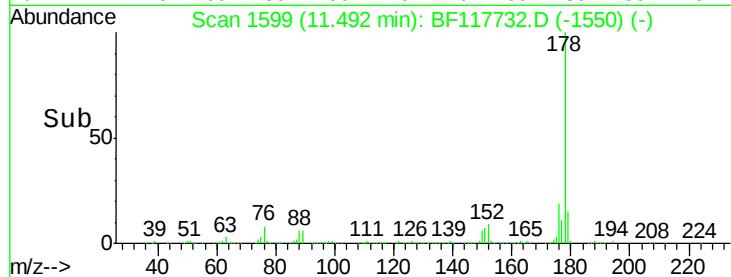
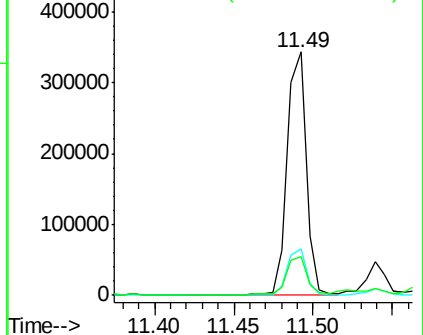
179 15.8 13.8 20.8



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: 4.903 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

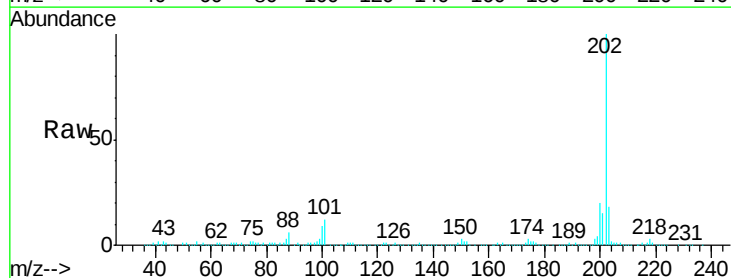
Tgt Ion:202 Resp: 341208

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.5

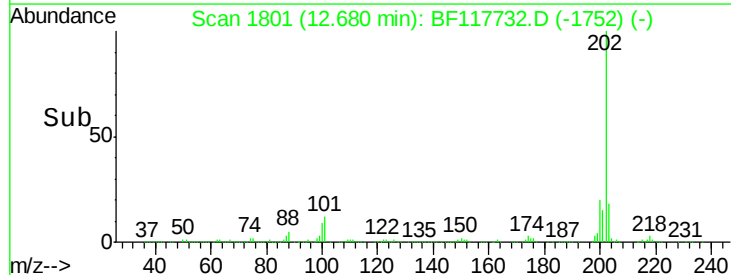
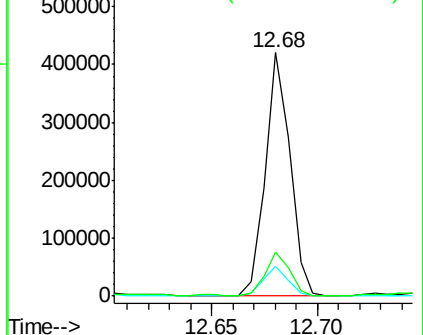
203 17.8 0.0 39.8

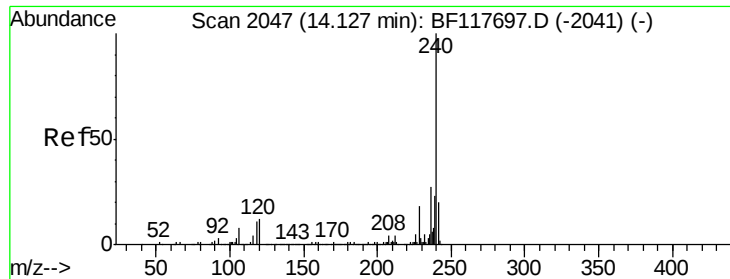


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

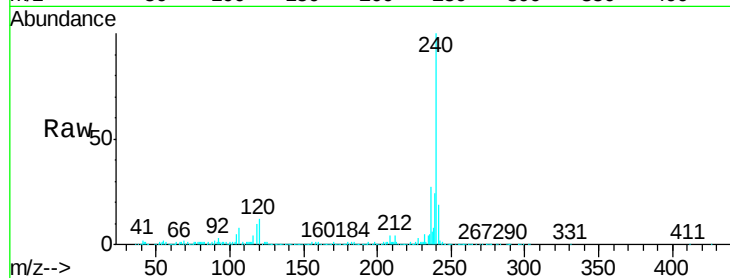




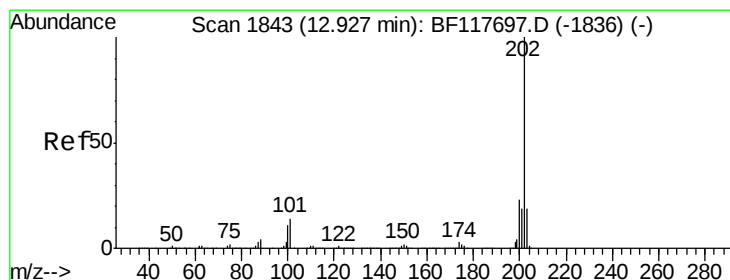
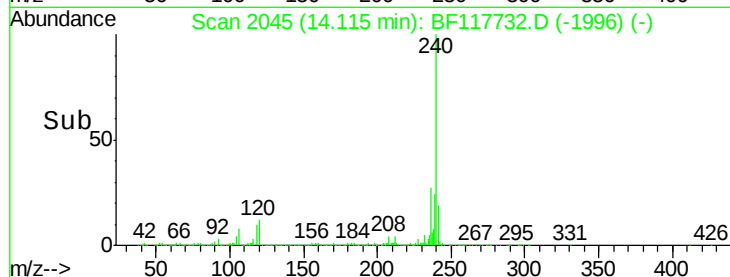
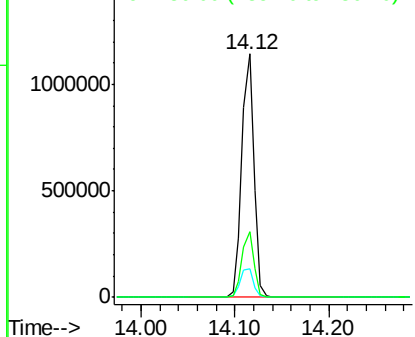
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Instrument :
BNA_F
ClientSampleId :
6-B

Tgt Ion:240 Resp: 1029714
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 26.9 21.9 32.9

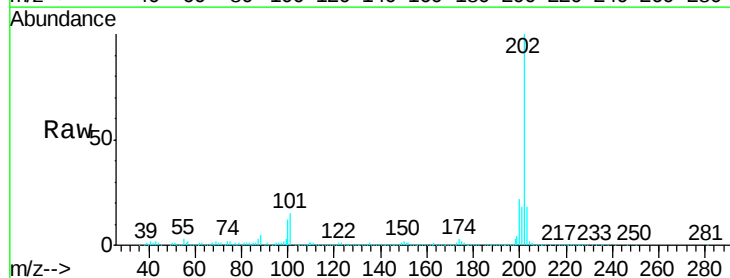


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

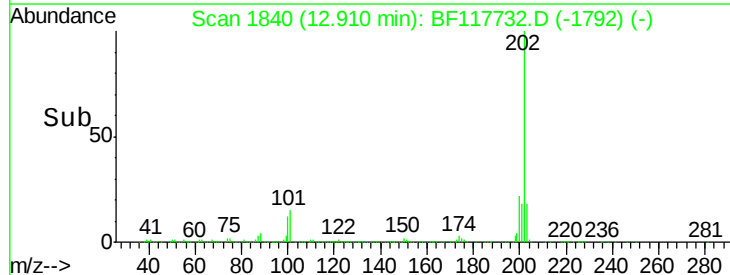
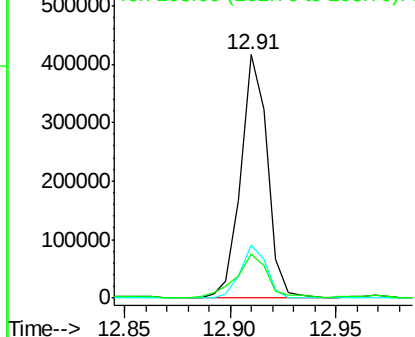


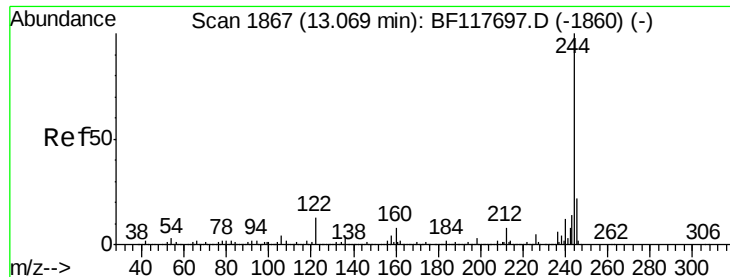
#78
Pyrene
Concen: 4.771 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion:202 Resp: 358650
Ion Ratio Lower Upper
202 100
200 21.8 18.8 28.2
203 18.2 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: 61.708 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

Instrument :

BNA_F

ClientSampleId :

6-B

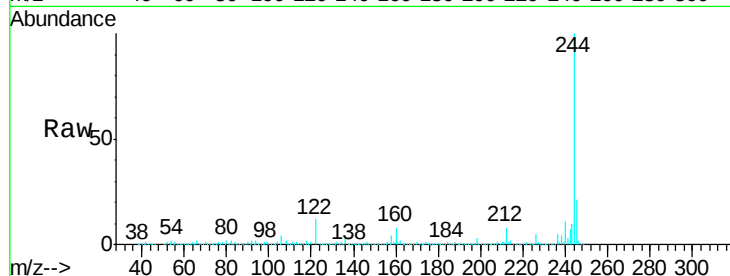
Tgt Ion:244 Resp: 3086664

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

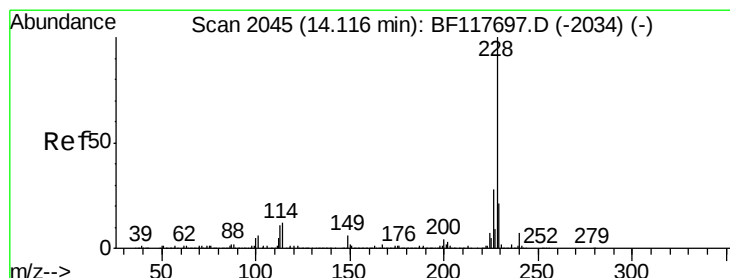
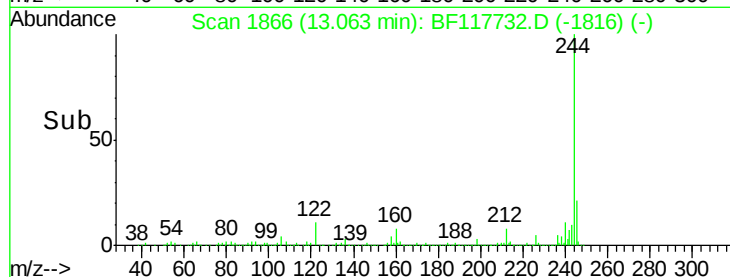
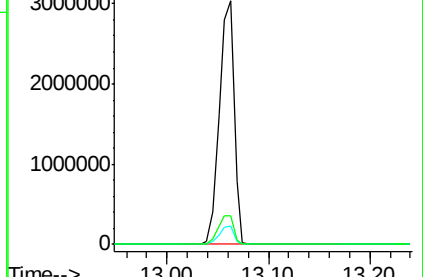
122 11.5 10.0 15.0



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: 2.273 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

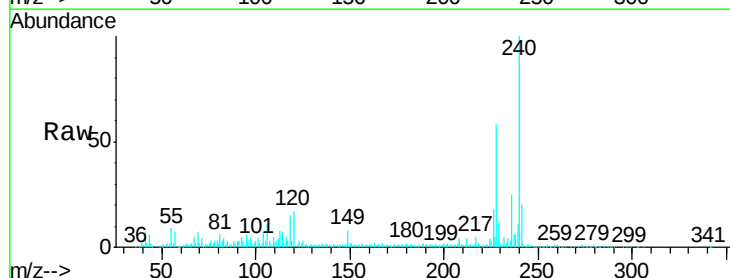
Tgt Ion:228 Resp: 145678

Ion Ratio Lower Upper

228 100

226 30.5 22.8 34.2

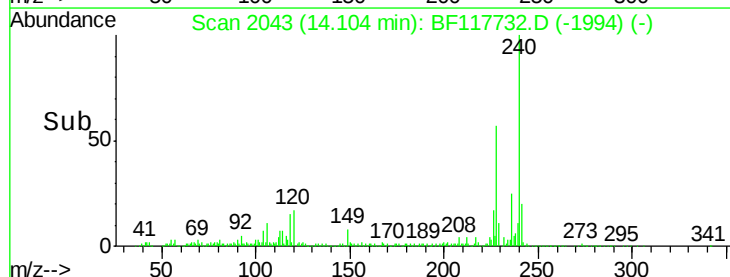
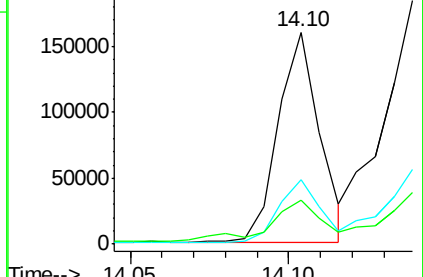
229 20.8 16.9 25.3

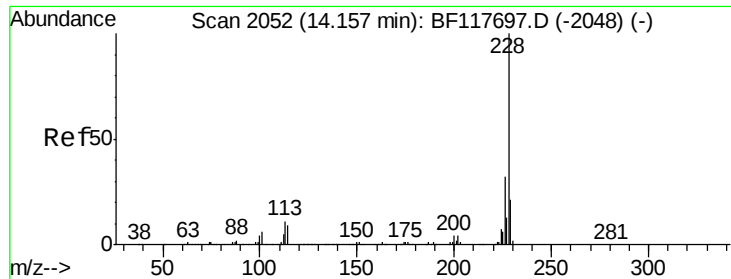


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.918 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

Instrument :

BNA_F

ClientSampleId :

6-B

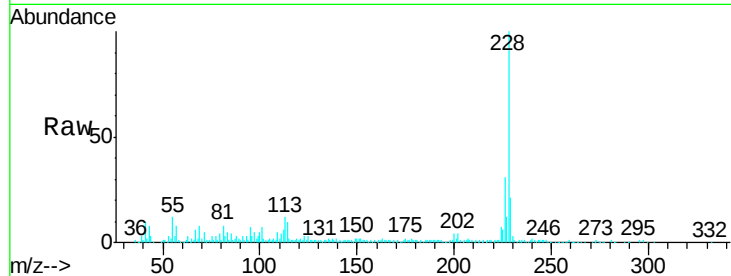
Tgt Ion:228 Resp: 184706

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

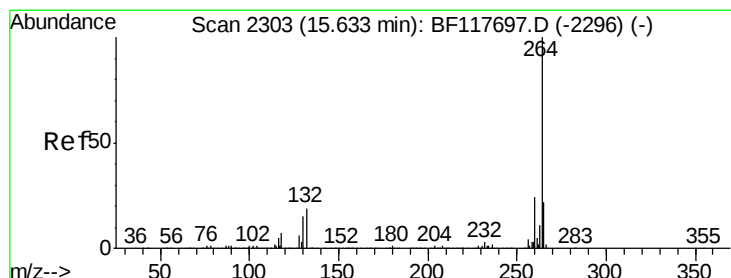
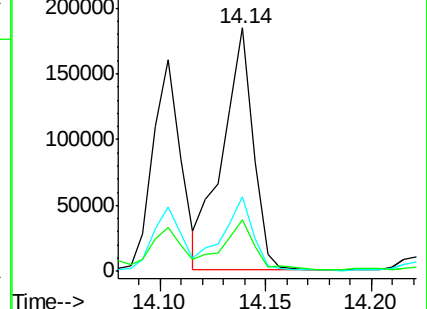
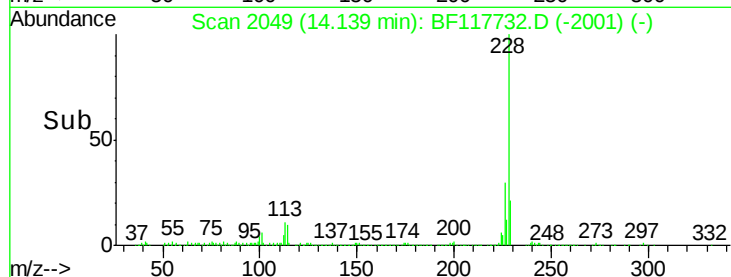
229 21.4 16.6 24.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF117732.D

Acq: 8 Nov 2019 15:50

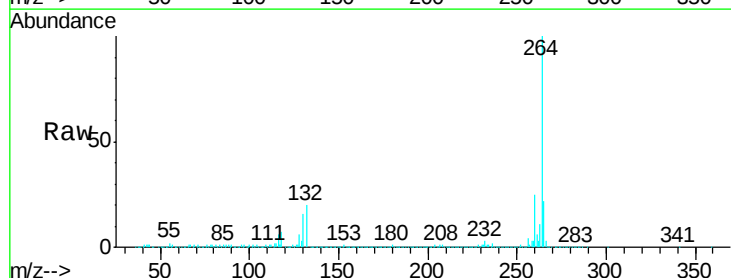
Tgt Ion:264 Resp: 912535

Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

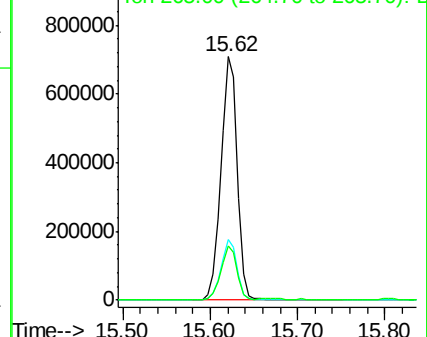
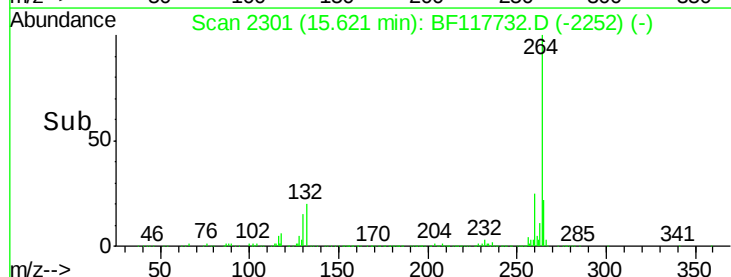
265 22.3 17.7 26.5

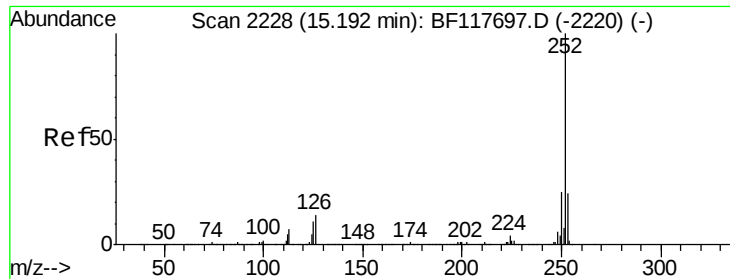


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

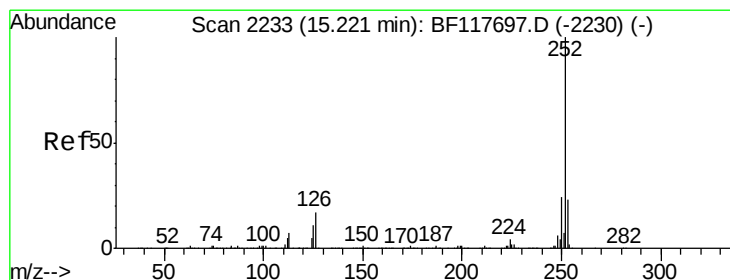
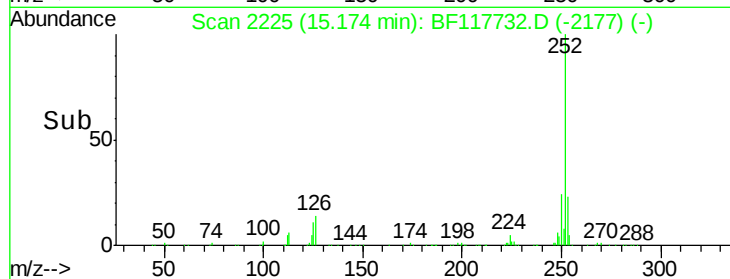
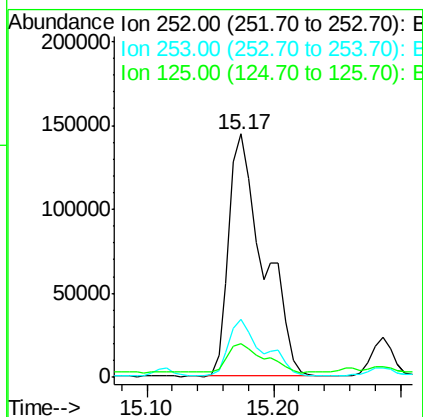
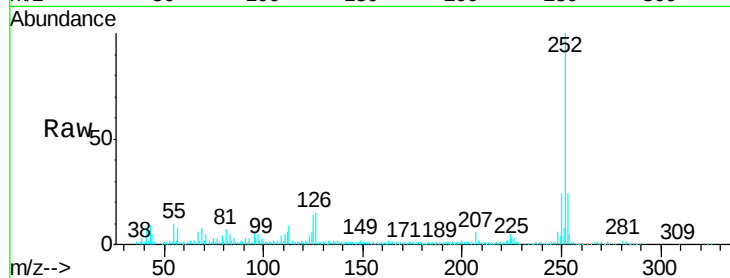




#88
Benzo(b)fluoranthene
Concen: 4.781 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Instrument :
BNA_F
ClientSampleId :
6-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	14.0	8.5	12.7



#89
Benzo(k)fluoranthene
Concen: 5.360 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.05 min
Lab File: BF117732.D
Acq: 8 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.0	9.1	13.7

