

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117567.D
 Acq On : 28 Oct 2019 17:52
 Operator : JU
 Sample : K5501-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 14:06:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	39787	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	158961	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	79250	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	120866	20.00	ng	0.00
76) Chrysene-d12	13.89	240	68549	20.00	ng	0.00
87) Perylene-d12	15.32	264	77311	20.00	ng	0.00

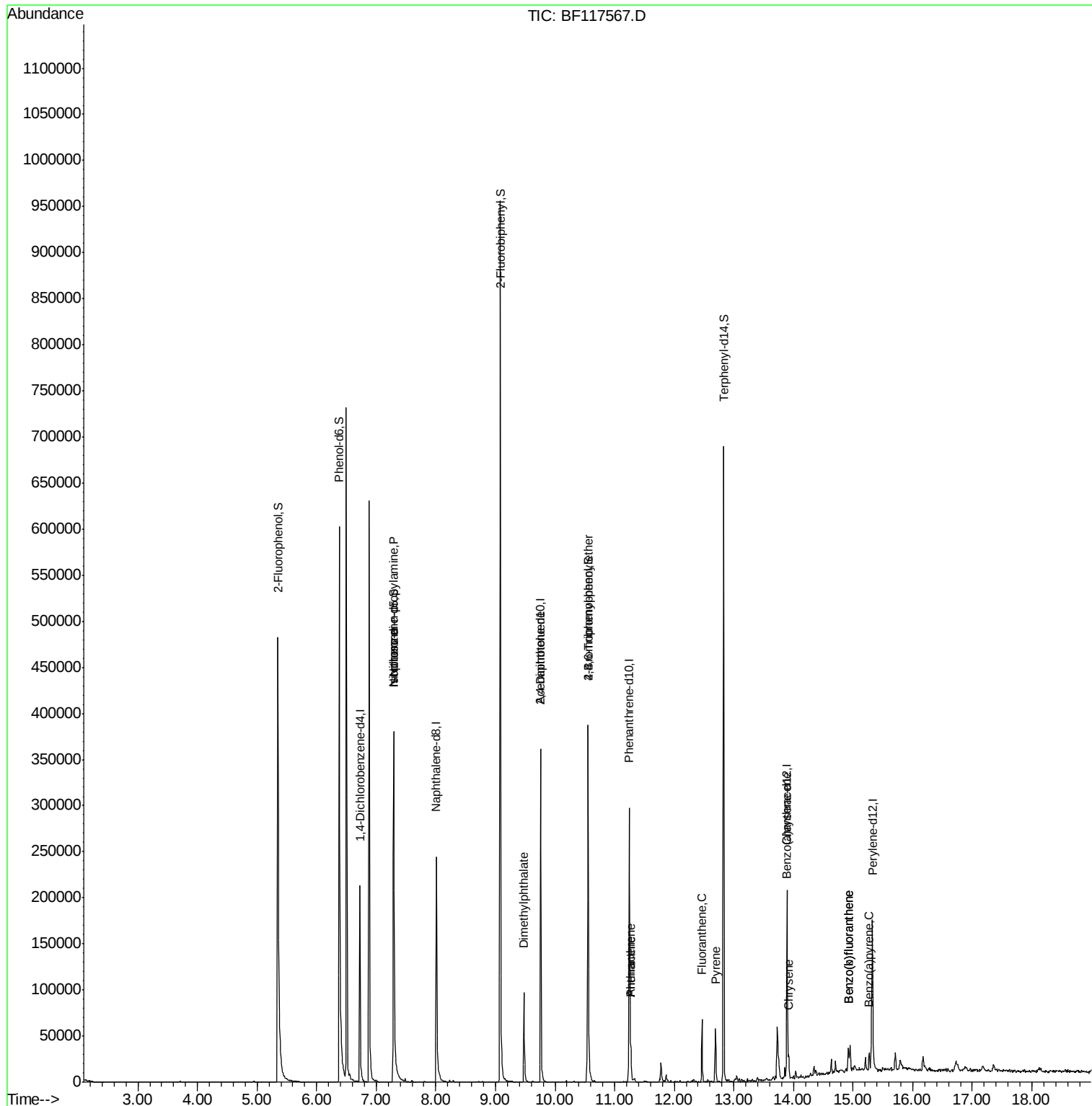
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	204995	76.65	ng	0.00
7) Phenol-d6	6.38	99	286522	79.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	174567	54.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	48500	70.73	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	304201	54.08	ng	-0.01
79) Terphenyl-d14	12.83	244	218660	52.03	ng	0.00

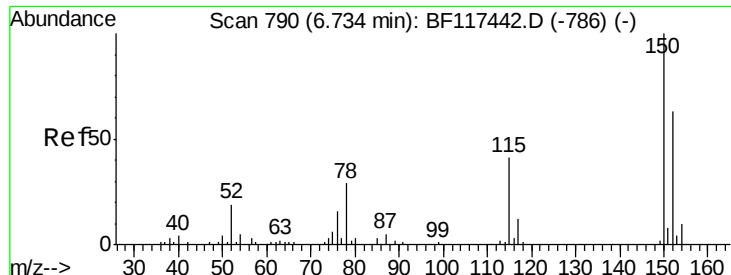
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	265	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.29	70	22327	10.178	ng	# 78
25) Isophorone	7.29	82	174566	31.339	ng	# 65
50) Dimethylphthalate	9.48	163	50373	8.916	ng	# 98
57) 2,4-Dinitrotoluene	9.76	165	10186	6.498	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	3109	2.388	ng	# 1
71) Phenanthrene	11.27	178	15957	2.274	ng	# 99
72) Anthracene	11.27	178	15957	2.216	ng	# 99
75) Fluoranthene	12.46	202	29591	4.212	ng	# 98
77) Benzidine	12.83	184	2972	Below Cal	#	95
78) Pyrene	12.69	202	25052	4.255	ng	# 97
81) Benzo(a)anthracene	13.88	228	10720	2.318	ng	# 97
83) Chrysene	13.92	228	11136	2.457	ng	# 97
88) Benzo(b)fluoranthene	14.92	252	17569	3.848	ng	# 95
89) Benzo(k)fluoranthene	14.92	252	17569	3.755	ng	# 94
90) Benzo(a)pyrene	15.27	252	8820	2.125	ng	# 92

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

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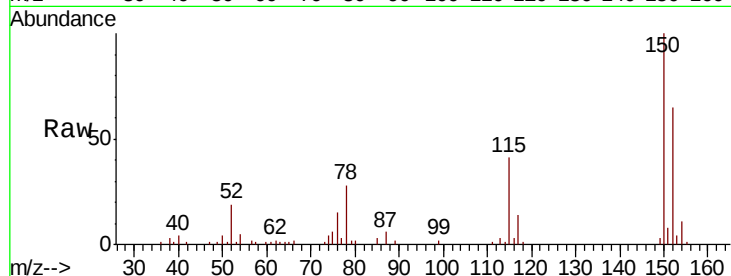


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117567.D
 Acq: 28 Oct 2019 17:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.8	190.2
115	62.8	51.6	77.4

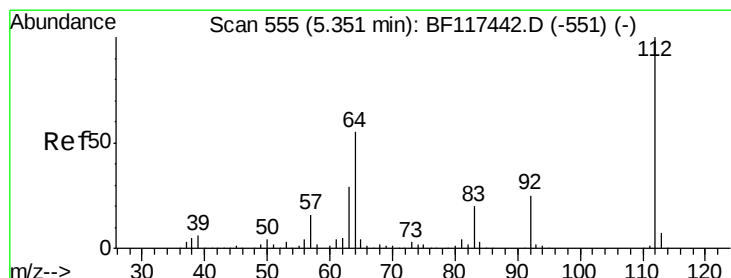
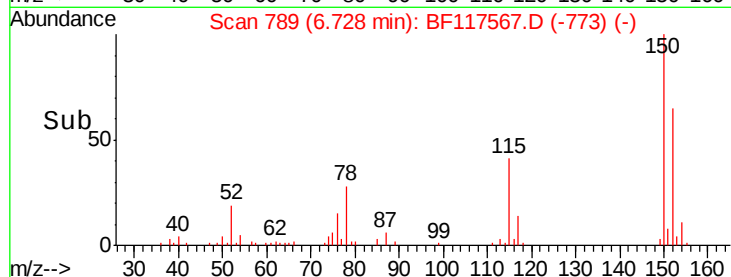
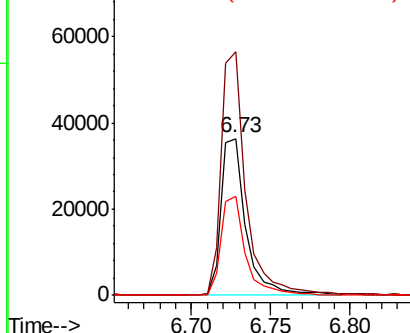


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

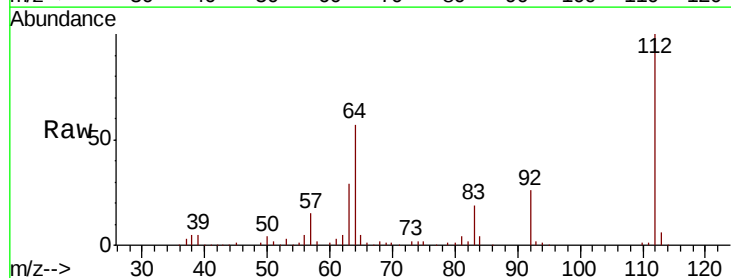
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 76.651 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF117567.D
 Acq: 28 Oct 2019 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.1	66.1
63	29.2	23.4	35.2

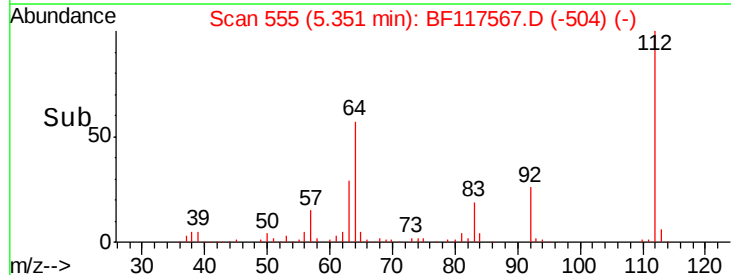
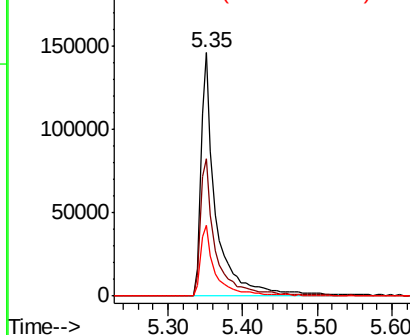


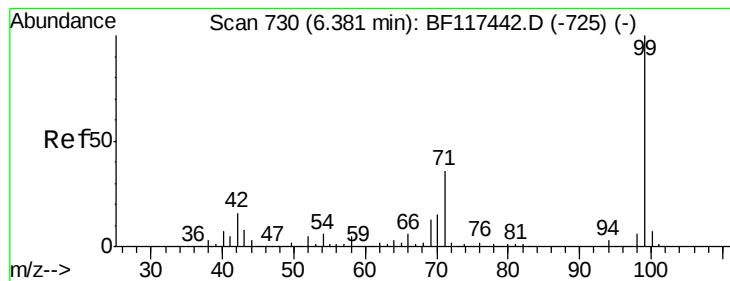
Abundance

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: 79.767 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Instrument :
BNA_E
ClientSampleId :

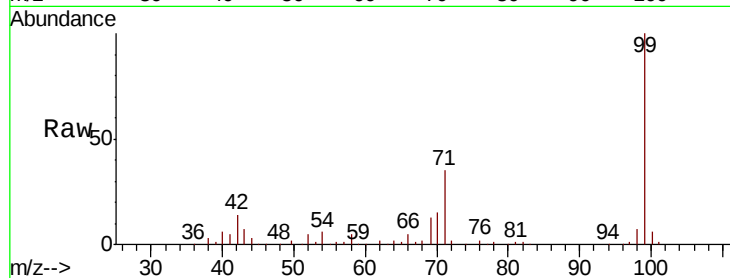
Tot Ion: 99 Resp: 286522

Ion Ratio Lower Upper

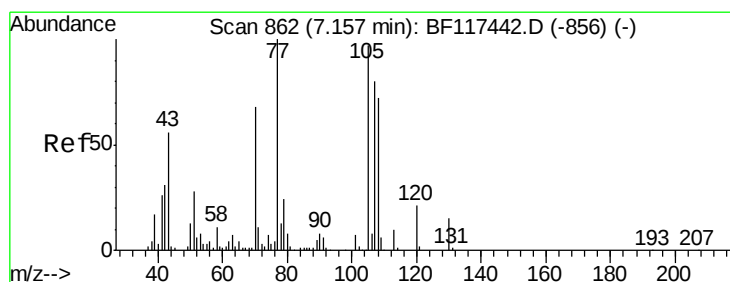
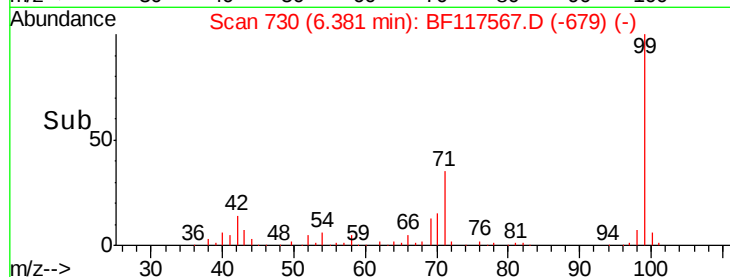
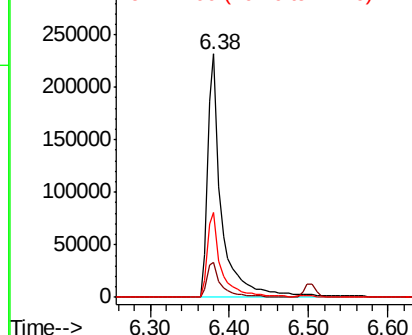
99 100

42 14.4 12.8 19.2

71 35.0 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.178 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Tgt Ion: 70 Resp: 22327

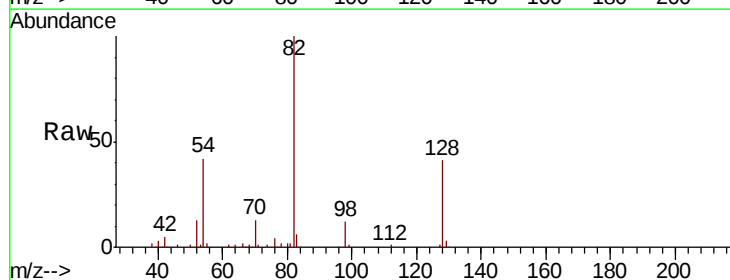
Ion Ratio Lower Upper

70 100

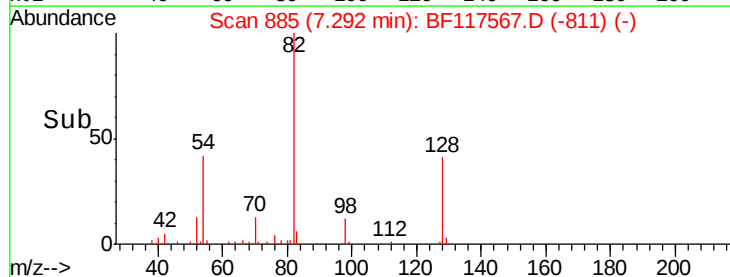
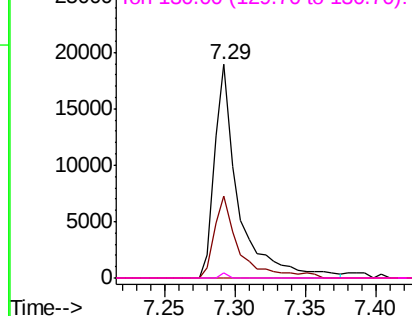
42 38.7 36.7 55.1

101 0.0 8.3 12.5#

130 2.5 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

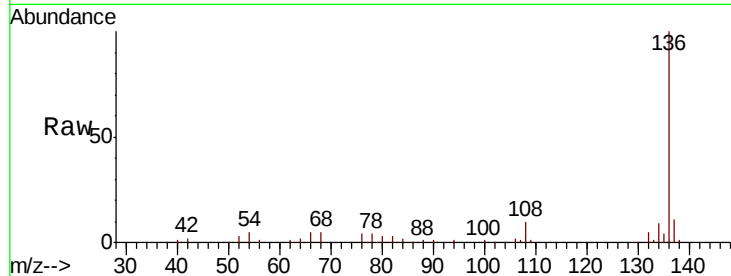




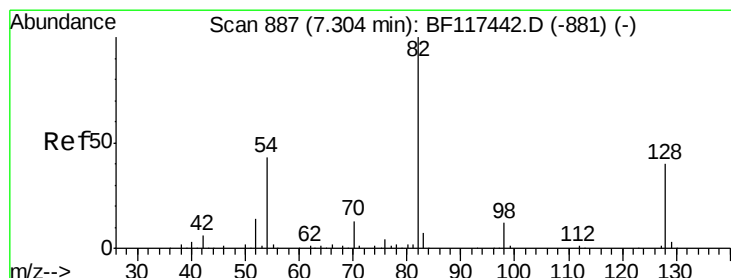
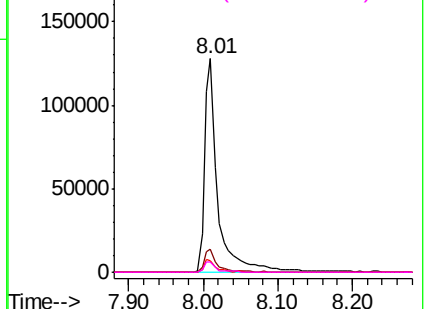
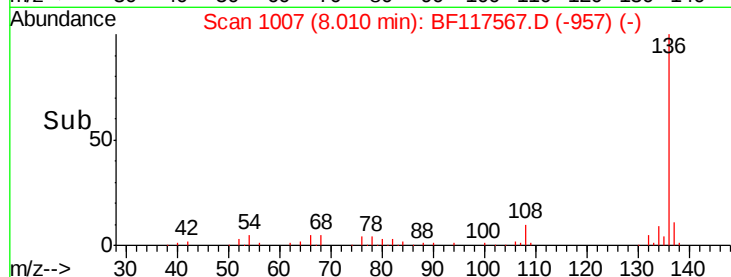
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	158961
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.2 12.4
54	5.4	4.5 6.7
68	5.0	4.3 6.5

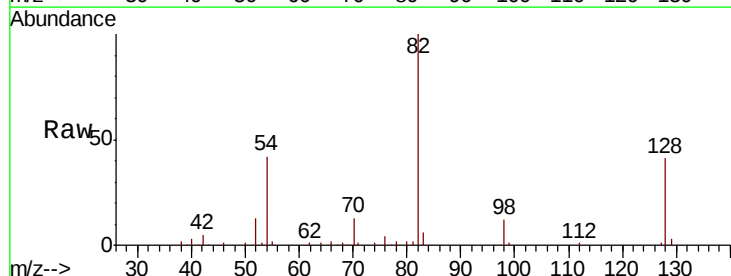


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

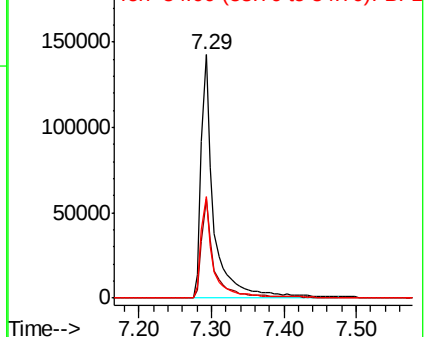
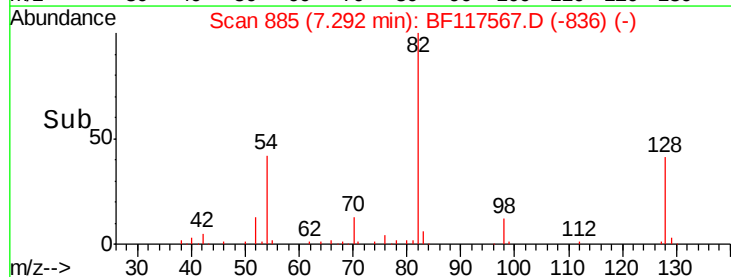


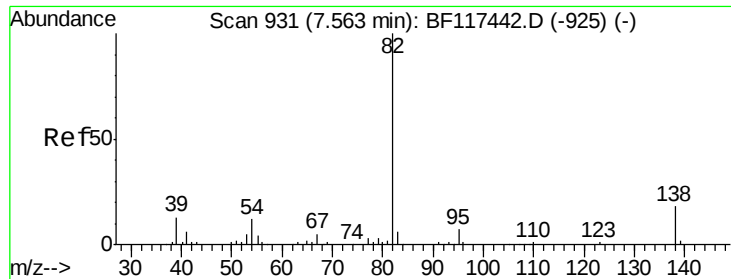
#23
Nitrobenzene-d5
Concen: 54.215 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion: 82	Resp:	174567
Ion	Ratio	Lower Upper
82	100	
128	40.5	32.2 48.2
54	42.0	34.2 51.2



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





#25

Isophorone

Concen: 31.339 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Instrument :

BNA_E

ClientSampleId :

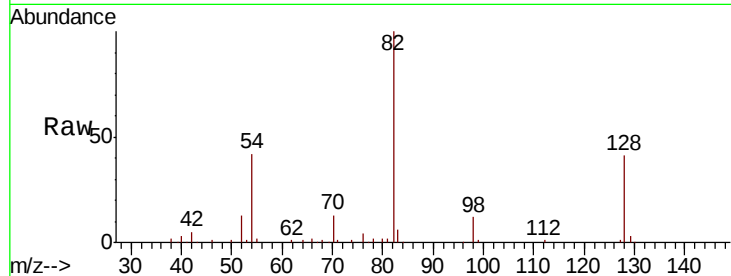
Tot Ion: 82 Resp: 174566

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

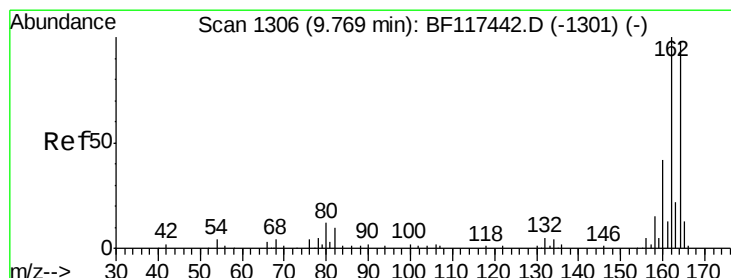
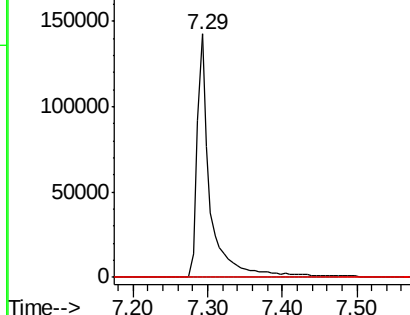
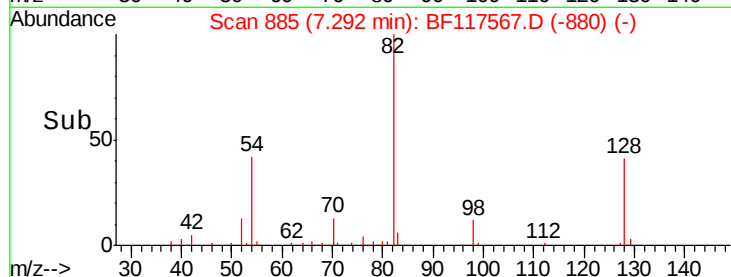
138 0.0 14.2 21.2#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

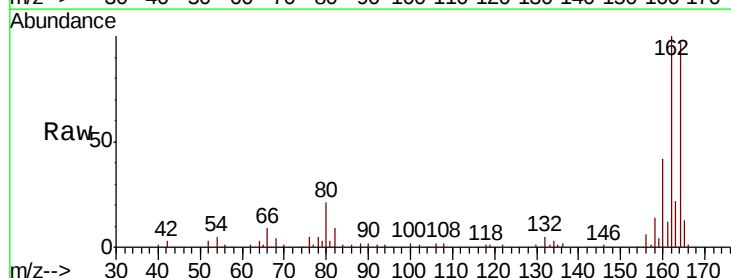
Tgt Ion:164 Resp: 79250

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

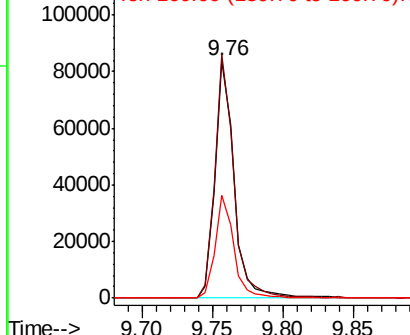
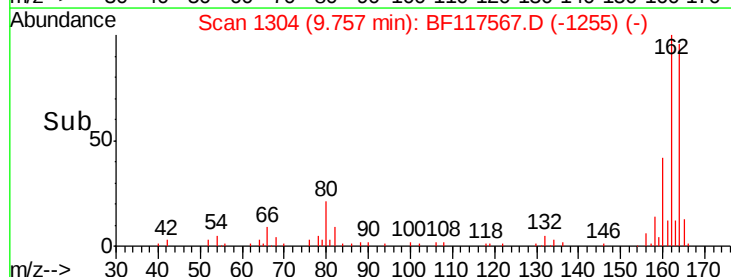
160 43.1 34.4 51.6

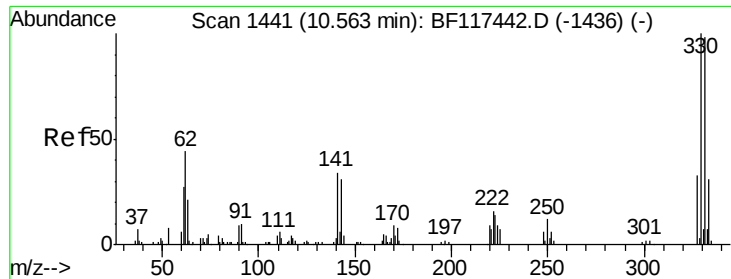


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

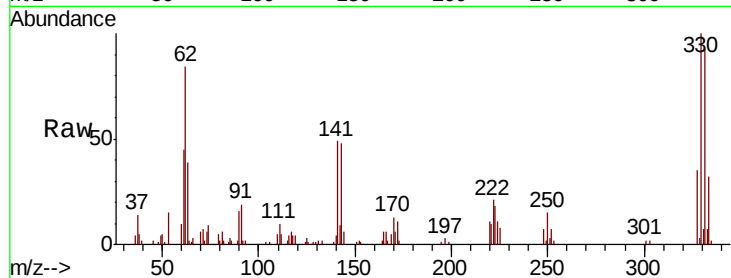




#42
 2,4,6-Tribromophenol
 Concen: 70.729 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF117567.D
 Acq: 28 Oct 2019 17:52

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.5	117.7
141	45.7	37.0	55.6

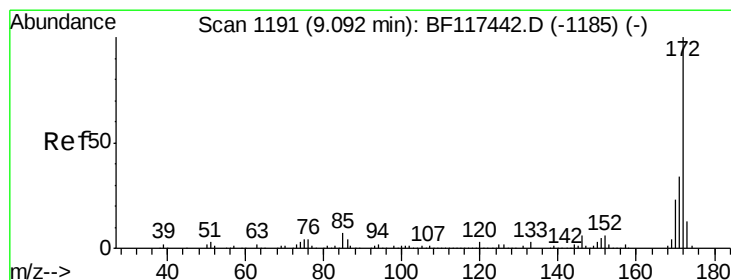
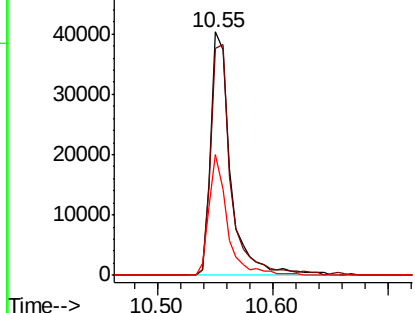
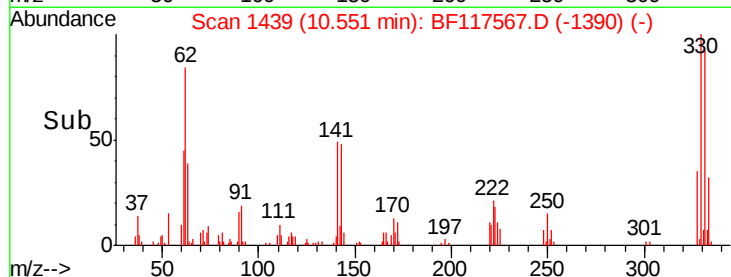


Abundance

Ion 329.80 (329.50 to 330.50): E

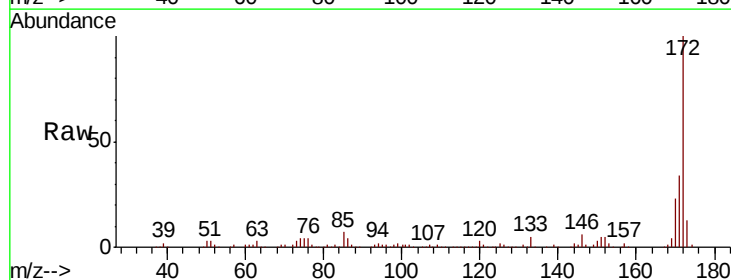
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 54.084 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117567.D
 Acq: 28 Oct 2019 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.5	41.3
170	22.6	18.6	27.8

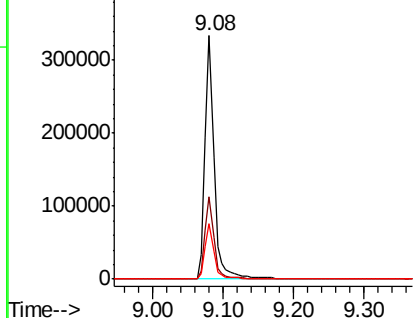
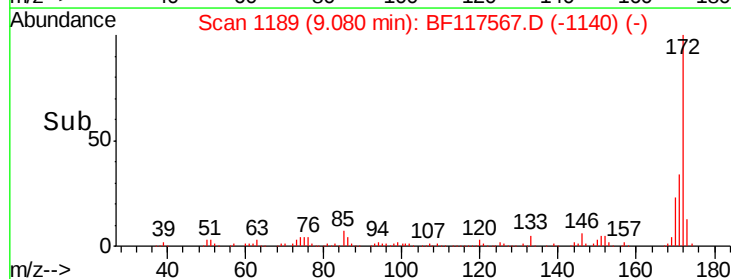


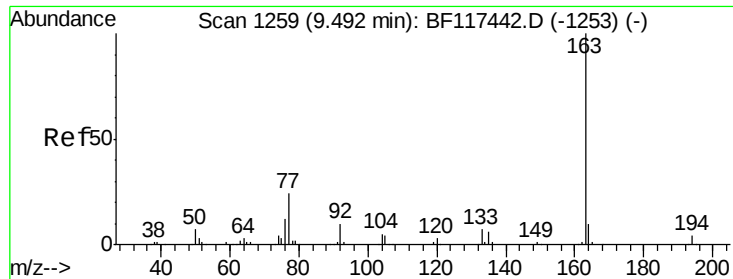
Abundance

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: 8.916 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Instrument :

BNA_E

ClientSampleId :

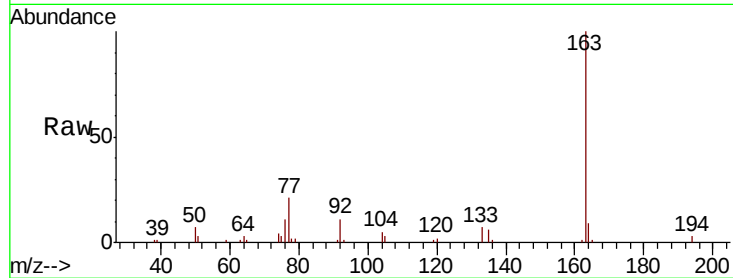
Tot Ion:163 Resp: 50373

Ion Ratio Lower Upper

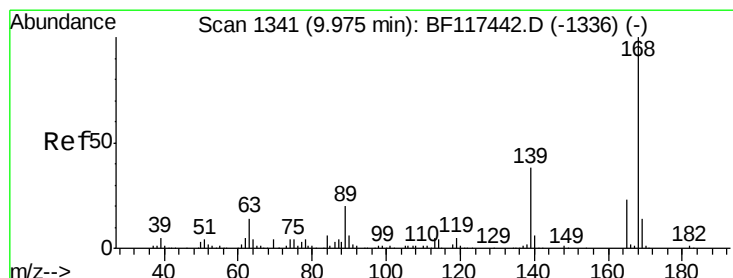
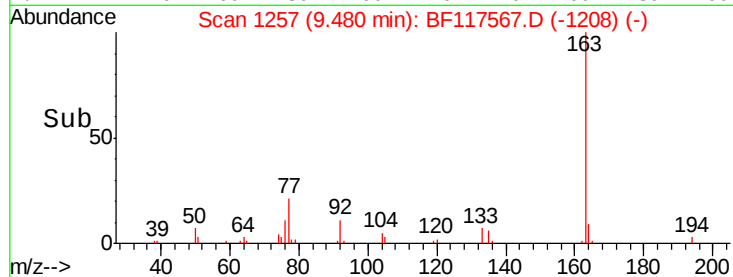
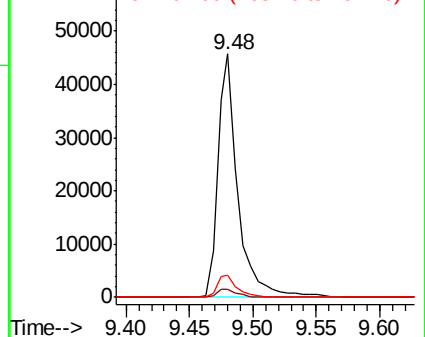
163 100

194 3.4 2.9 4.3

164 9.2 8.2 12.2



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: 6.498 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Tgt Ion:165 Resp: 10186

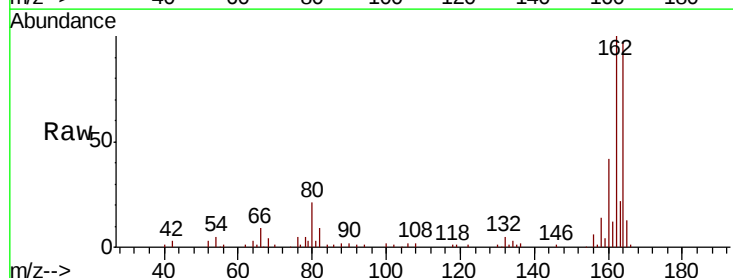
Ion Ratio Lower Upper

165 100

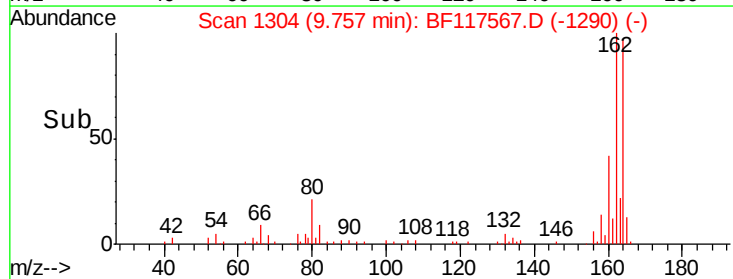
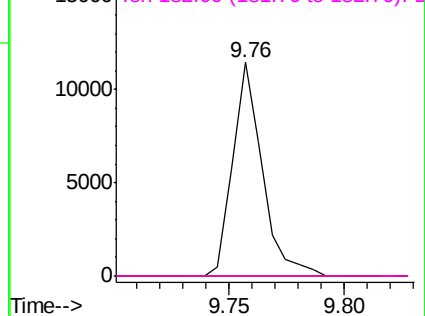
63 0.0 51.4 77.0#

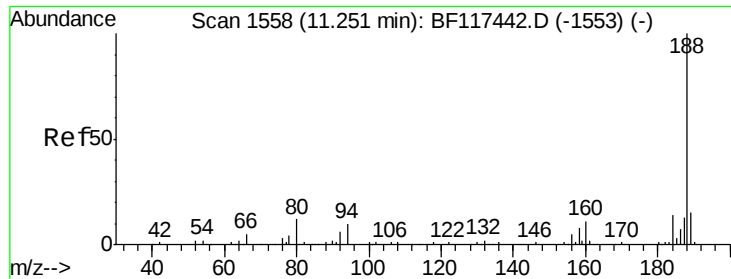
89 0.0 69.9 104.9#

182 0.0 1.9 2.9#



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: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Instrument :

BNA_E

ClientSampleId :

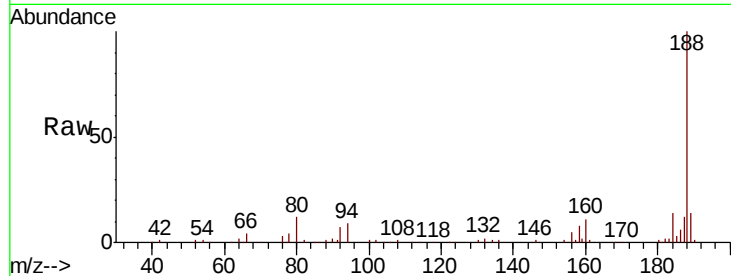
Tot Ion:188 Resp: 120866

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

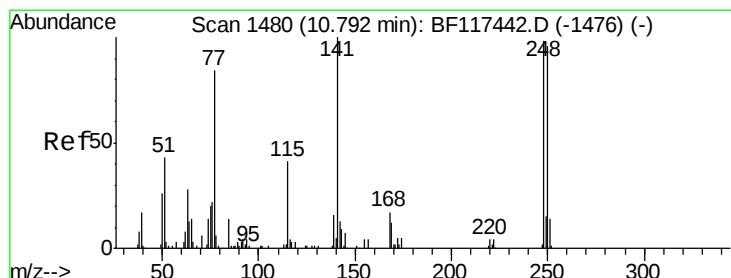
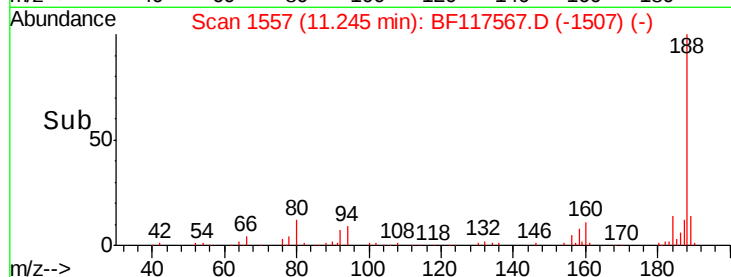
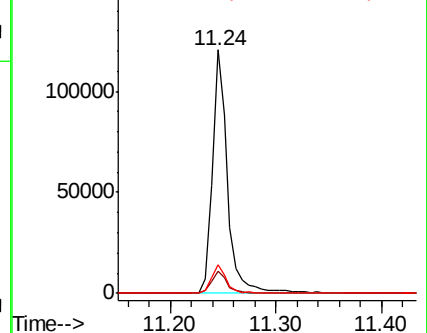
80 11.8 9.5 14.3



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: 2.388 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

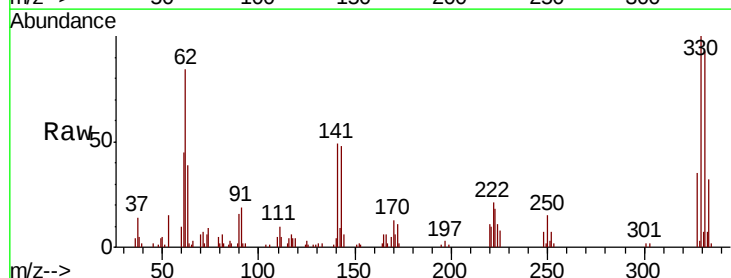
Tgt Ion:248 Resp: 3109

Ion Ratio Lower Upper

248 100

250 202.3 78.0 117.0#

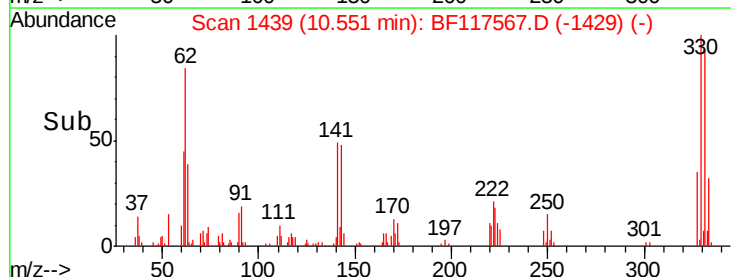
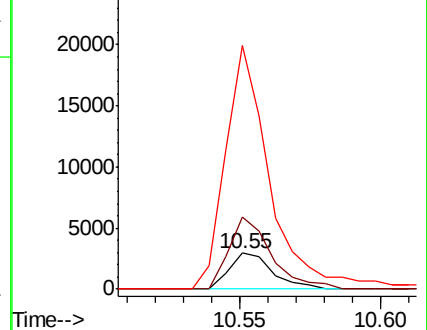
141 682.9 81.7 122.5#

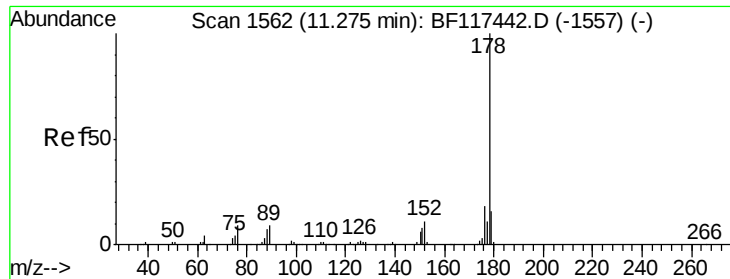


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

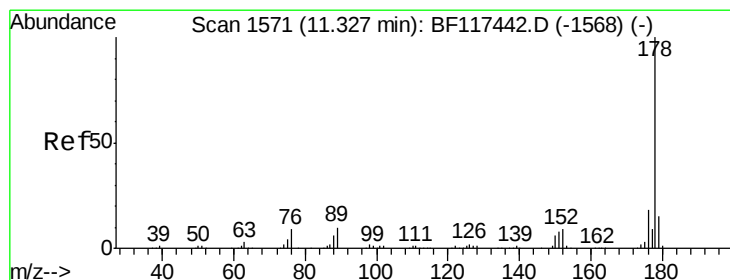
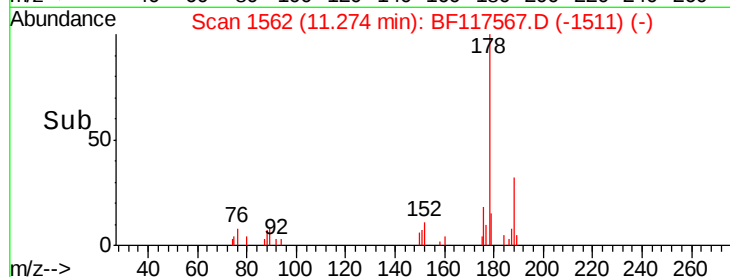
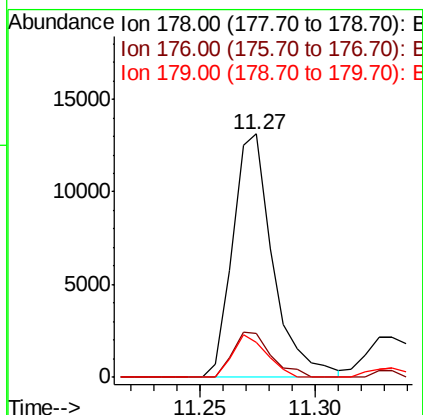
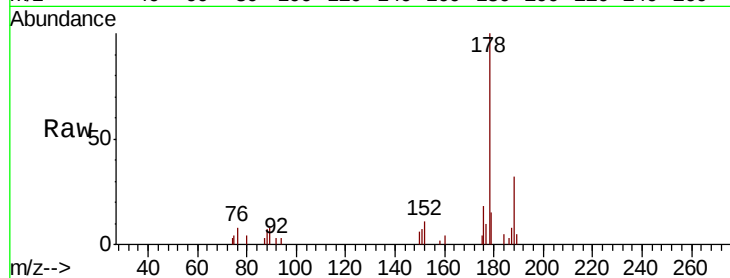




#71
Phenanthrene
Concen: 2.274 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

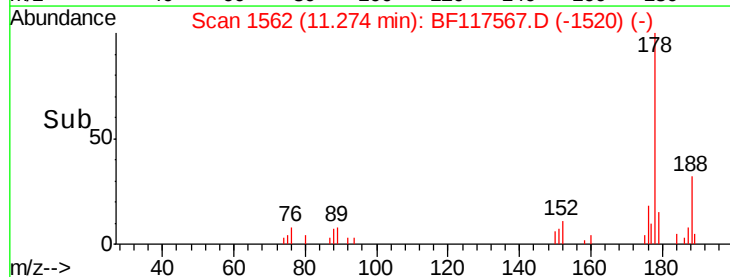
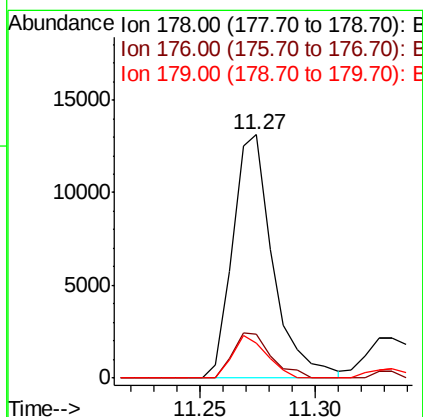
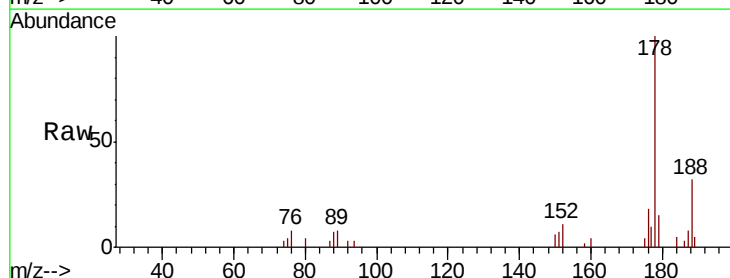
Instrument :
BNA_E
ClientSampleId :

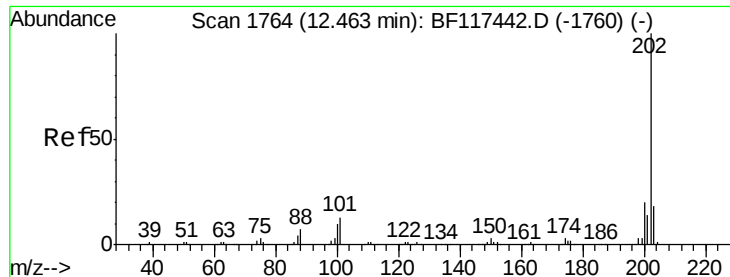
Tot Ion:178 Resp: 15957
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 14.6 12.6 19.0



#72
Anthracene
Concen: 2.216 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion:178 Resp: 15957
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.6 12.2 18.2





#75

Fluoranthene

Concen: 4.212 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

Instrument :

BNA_E

ClientSampleId :

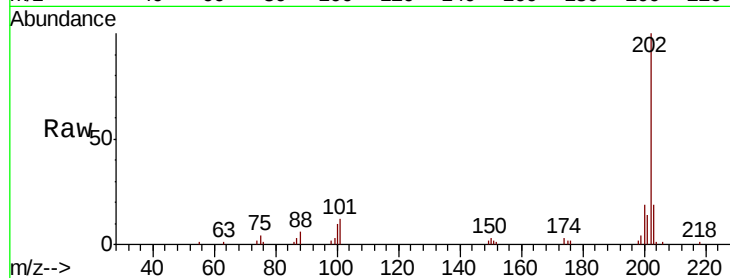
Tot Ion:202 Resp: 29591

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.7

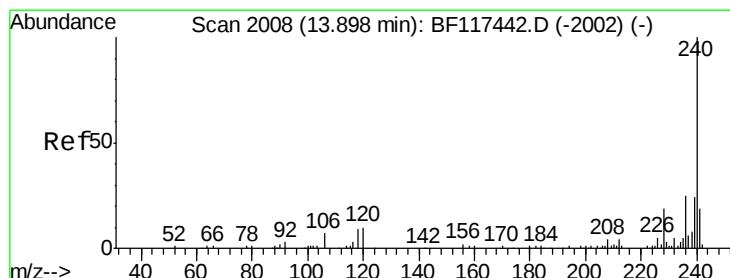
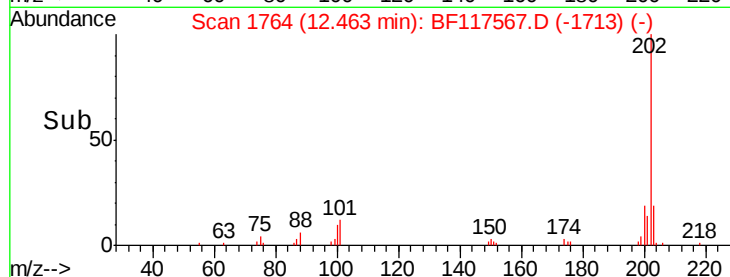
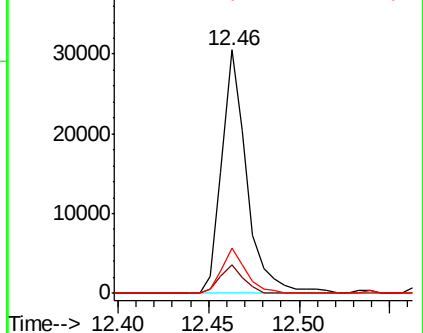
203 18.6 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117567.D

Acq: 28 Oct 2019 17:52

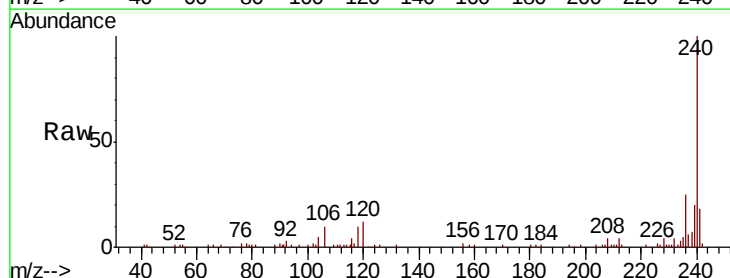
Tgt Ion:240 Resp: 68549

Ion Ratio Lower Upper

240 100

120 12.3 8.4 12.6

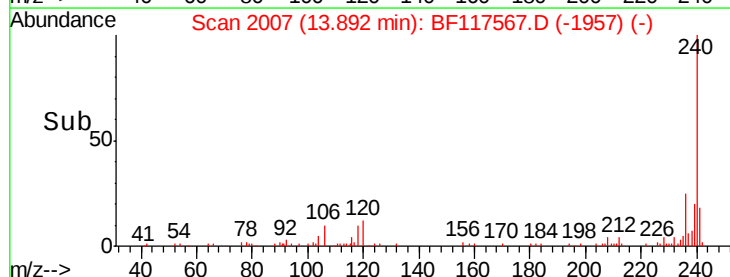
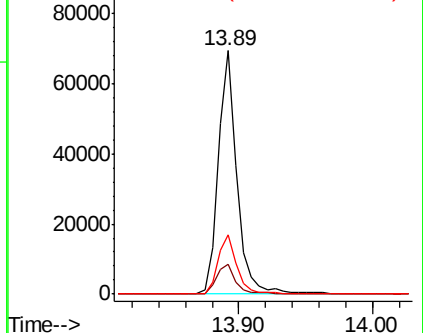
236 24.5 20.0 30.0

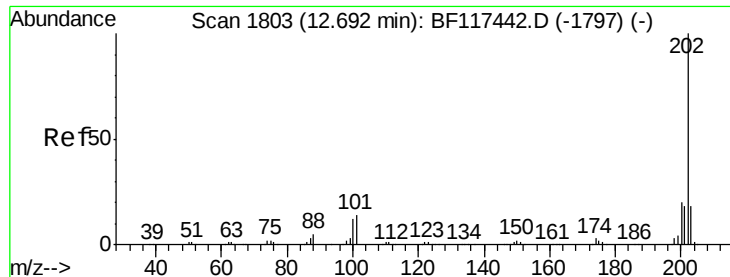


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

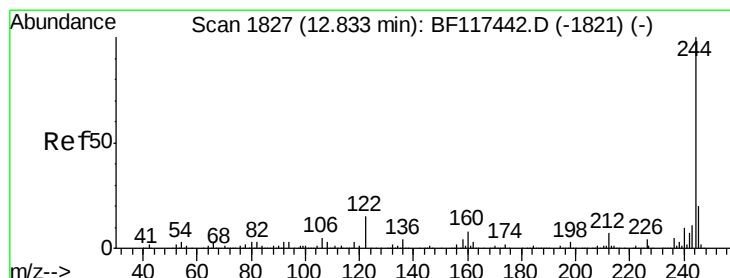
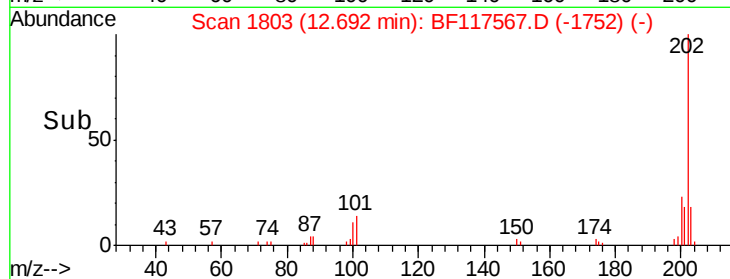
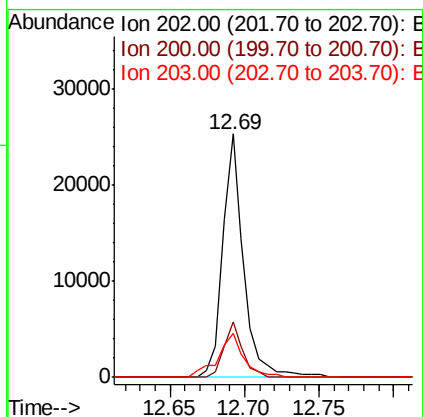
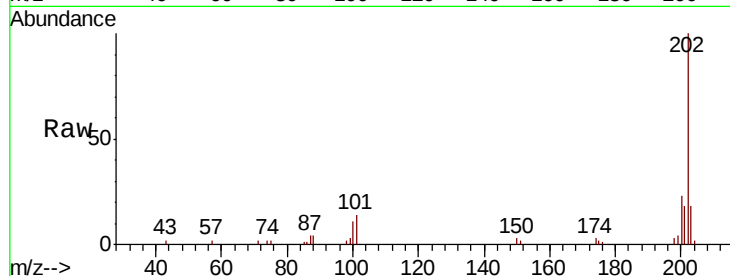




#78
Pvrene
Concen: 4.255 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

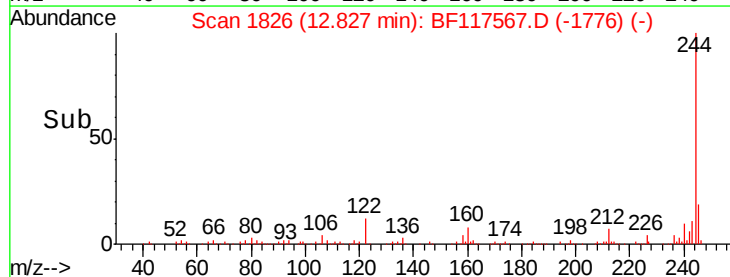
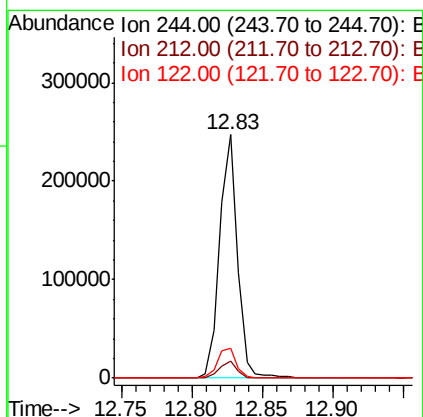
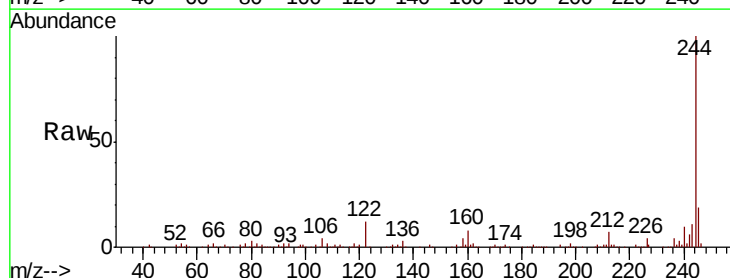
Instrument :
BNA_E
ClientSampleId :

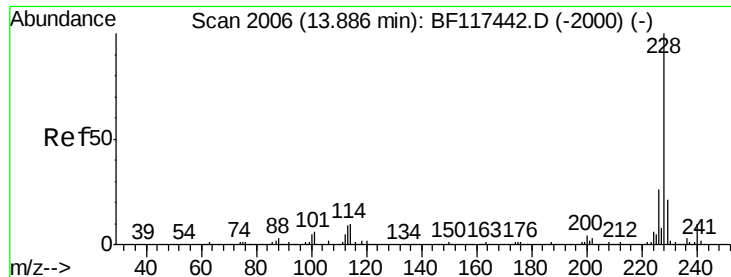
Tot Ion:202 Resp: 25052
Ion Ratio Lower Upper
202 100
200 22.7 16.2 24.2
203 18.0 14.0 21.0



#79
Terphenyl-d14
Concen: 52.030 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion:244 Resp: 218660
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 12.2 11.8 17.8

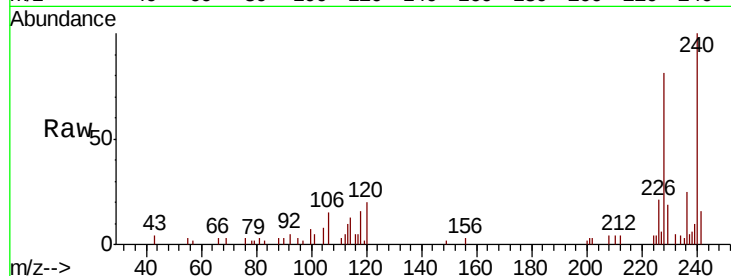




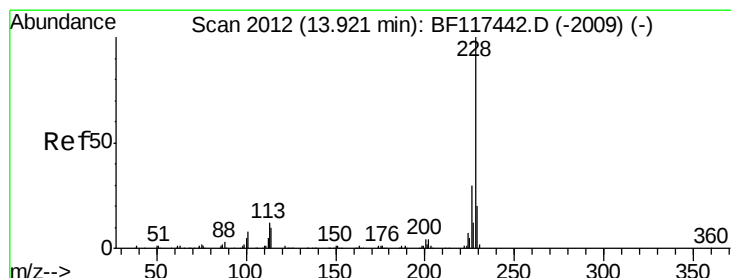
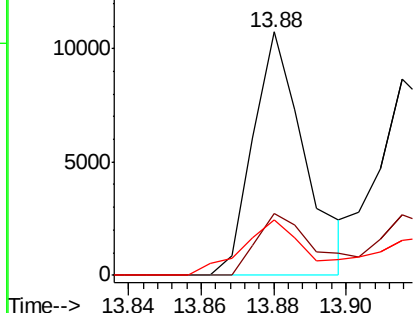
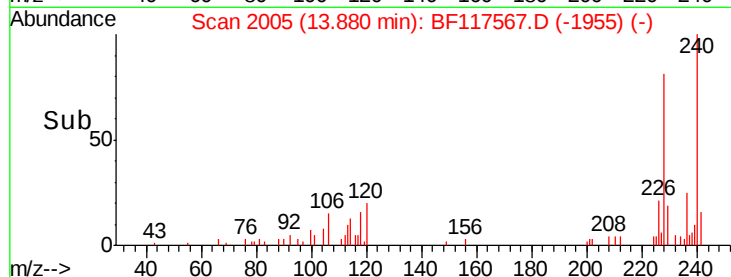
#81
Benzo(a)anthracene
Concen: 2.318 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 10720
Ion Ratio Lower Upper
228 100
226 25.7 21.0 31.4
229 23.0 16.4 24.6

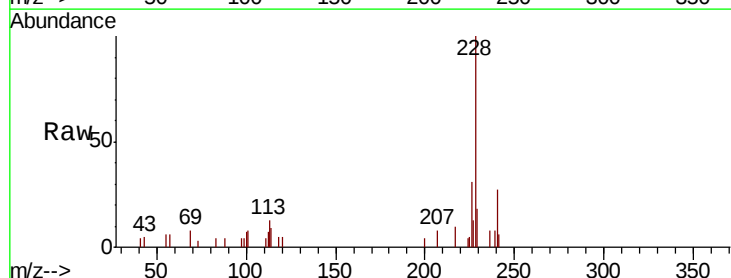


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

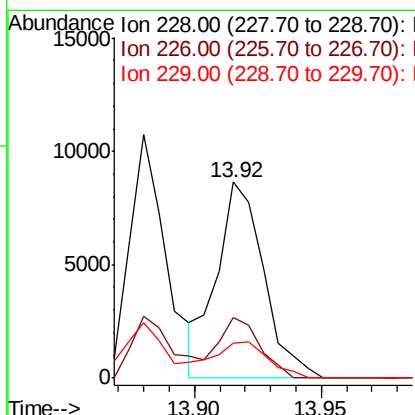
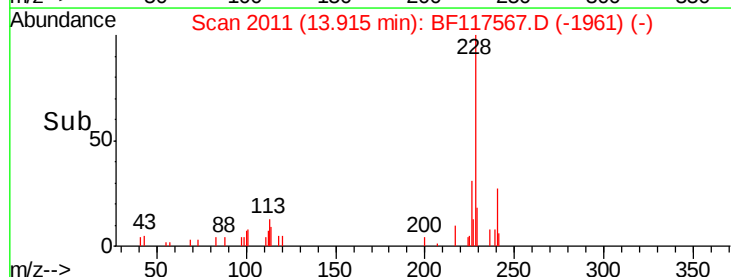


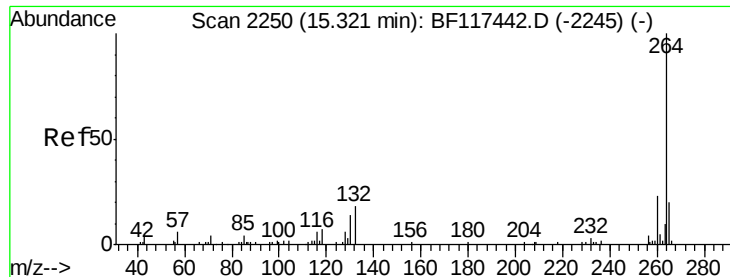
#83
Chrysene
Concen: 2.457 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion:228 Resp: 11136
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 18.0 15.8 23.6



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

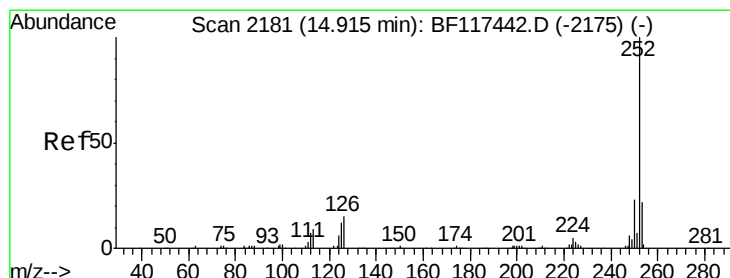
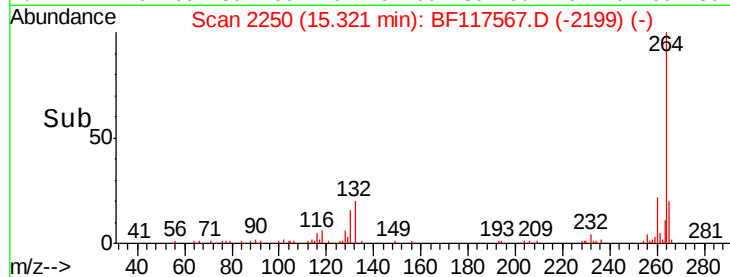
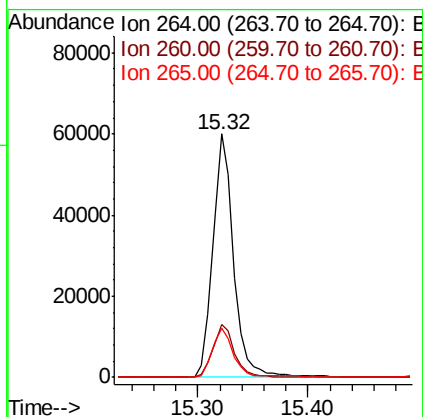
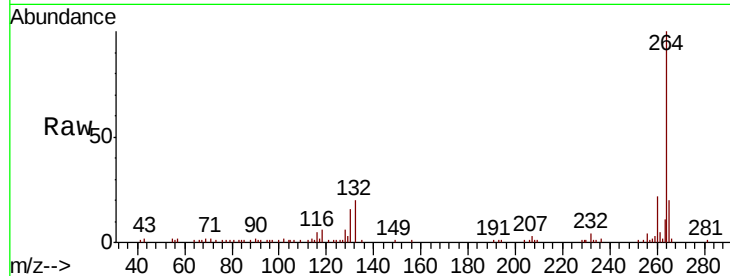




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

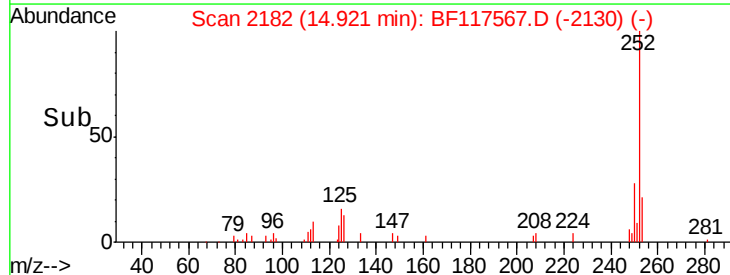
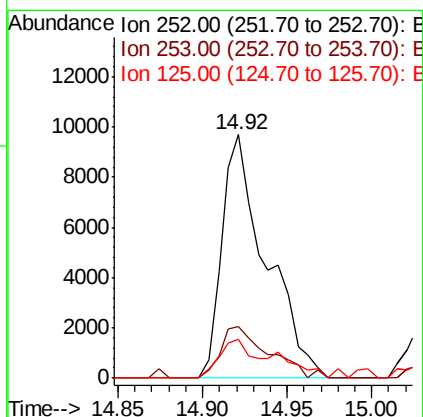
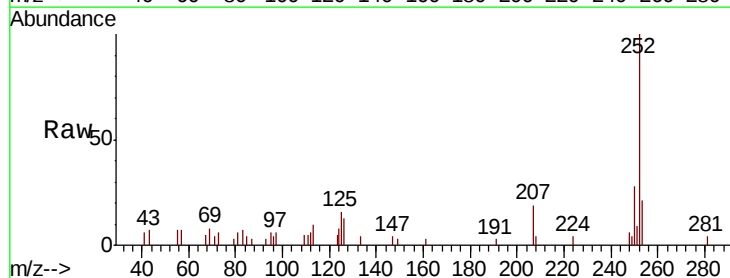
Instrument :
BNA_E
ClientSampleId :

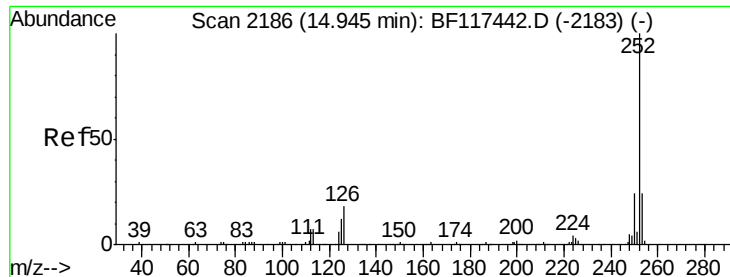
Tot Ion:264 Resp: 77311
Ion Ratio Lower Upper
264 100
260 21.9 18.4 27.6
265 20.1 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 3.848 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion:252 Resp: 17569
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 16.2 9.9 14.9#

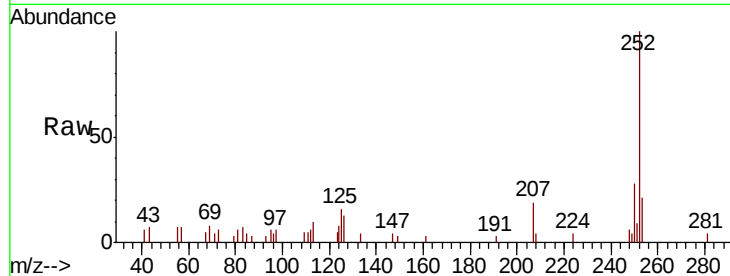




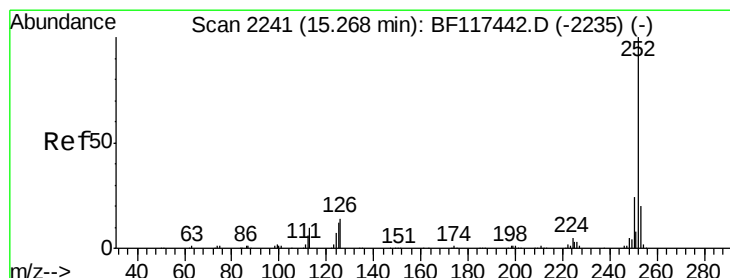
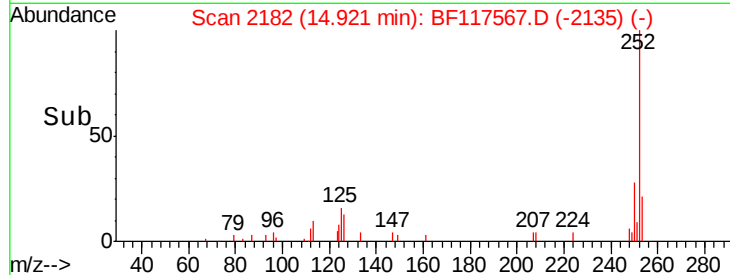
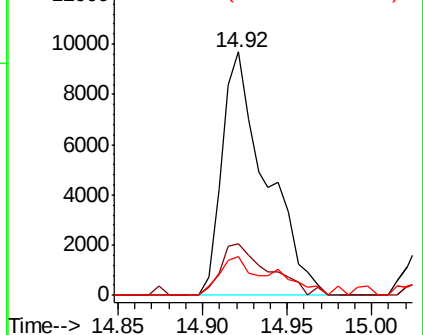
#89
Benzo(k)fluoranthene
Concen: 3.755 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 17569
Ion Ratio Lower Upper
252 100
253 21.1 18.0 27.0
125 16.2 8.9 13.3#

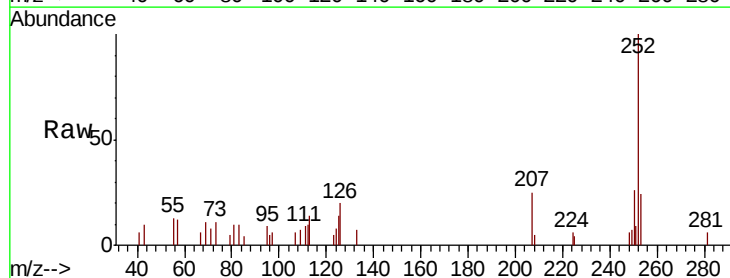


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.125 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117567.D
Acq: 28 Oct 2019 17:52

Tgt Ion:252 Resp: 8820
Ion Ratio Lower Upper
252 100
253 24.4 16.3 24.5
125 14.4 9.2 13.8#



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

