

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117539.D
 Acq On : 25 Oct 2019 16:39
 Operator : JU
 Sample : K5501-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 183-82-(0-2.1)

Quant Time: Oct 26 00:12:15 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	36159	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	144299	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70703	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	99137	20.00	ng	0.00
76) Chrysene-d12	13.89	240	70382	20.00	ng	0.00
87) Perylene-d12	15.33	264	74068	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	167567	68.94	ng	0.00
7) Phenol-d6	6.38	99	227985	69.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	139763	47.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	36938	60.38	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	246484	49.12	ng	-0.01
79) Terphenyl-d14	12.83	244	172999	40.09	ng	0.00

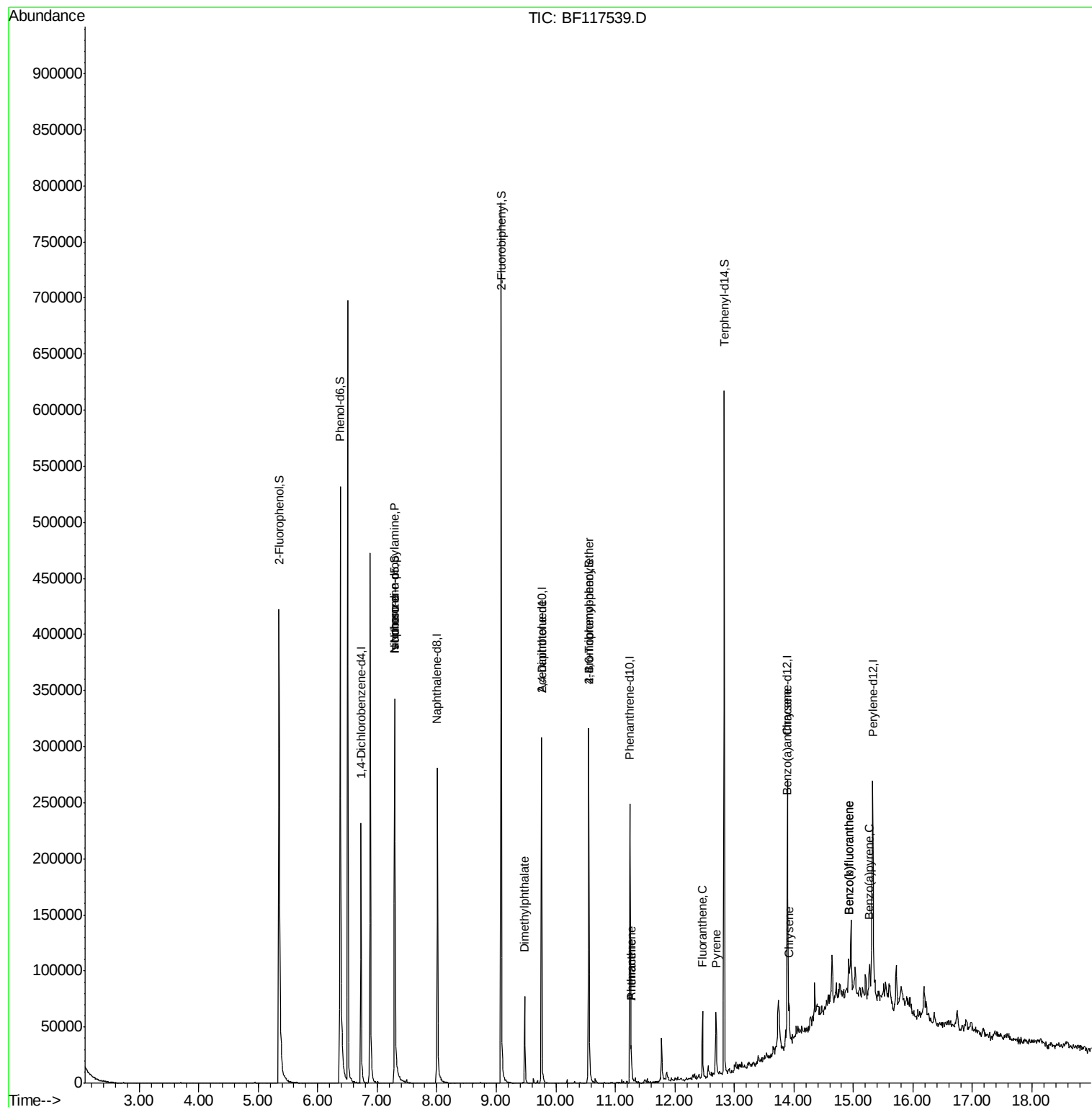
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	4573	Below Cal	#	70
19) n-Nitroso-di-n-propylamine	7.29	70	18613	9.336	ng	# 82
25) Isophorone	7.29	82	139761	27.640	ng	# 65
50) Dimethylphthalate	9.48	163	33396	6.626	ng	100
57) 2,4-Dinitrotoluene	9.76	165	8736	6.247	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	2268	2.124	ng	# 1
71) Phenanthrene	11.27	178	12025	2.089	ng	96
72) Anthracene	11.27	178	12025	2.036	ng	95
75) Fluoranthene	12.46	202	25113	4.358	ng	98
77) Benzidine	12.83	184	2451	Below Cal	#	91
78) Pyrene	12.69	202	23041	3.811	ng	97
81) Benzo(a)anthracene	13.88	228	12853	2.707	ng	99
83) Chrysene	13.92	228	12935	2.780	ng	96
88) Benzo(b)fluoranthene	14.92	252	22636	5.175	ng	# 88
89) Benzo(k)fluoranthene	14.92	252	22636	5.049	ng	# 87
90) Benzo(a)pyrene	15.27	252	11034	2.775	ng	# 80

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

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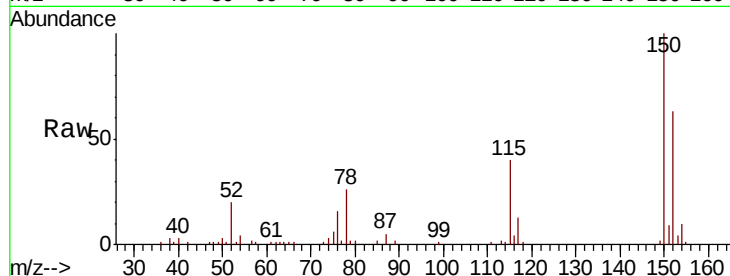


#1

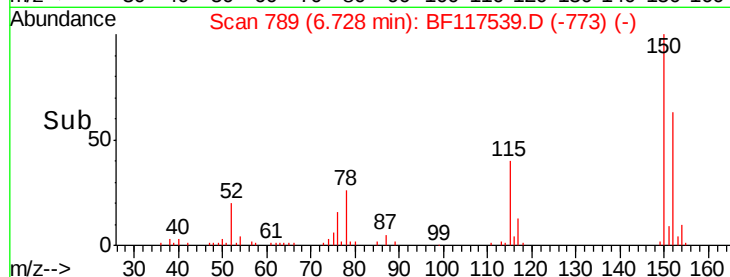
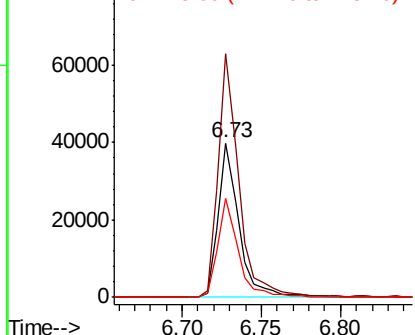
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

Tot Ion:152 Resp: 36159
Ion Ratio Lower Upper
152 100
150 157.9 126.8 190.2
115 63.9 51.6 77.4



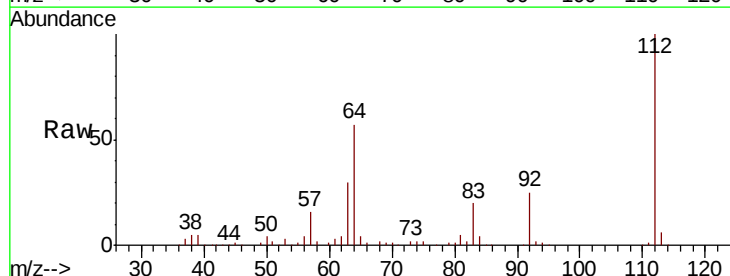
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



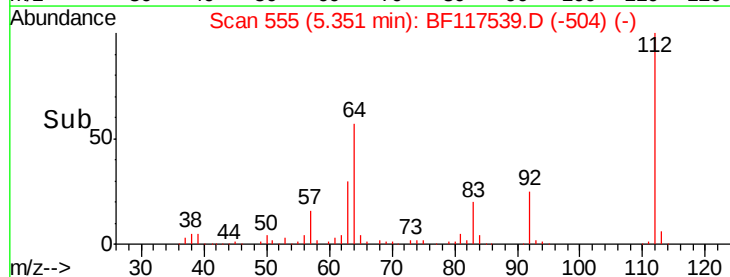
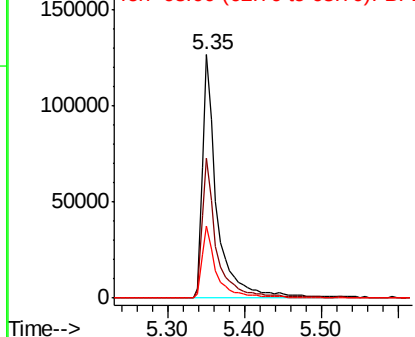
#5

2-Fluorophenol
Concen: 68.943 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:112 Resp: 167567
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 29.7 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: 69.838 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

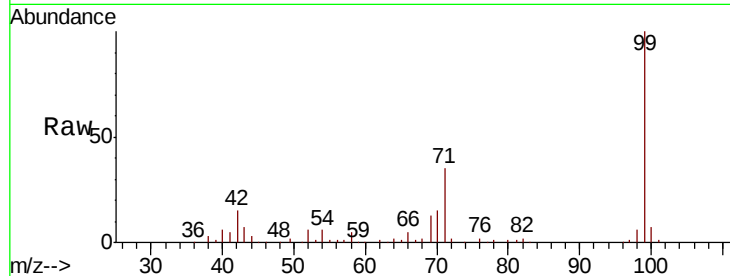
Tot Ion: 99 Resp: 227985

Ion Ratio Lower Upper

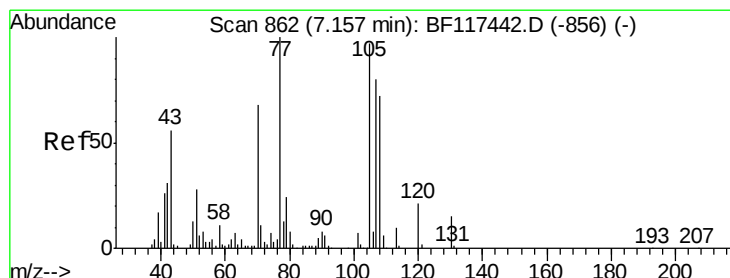
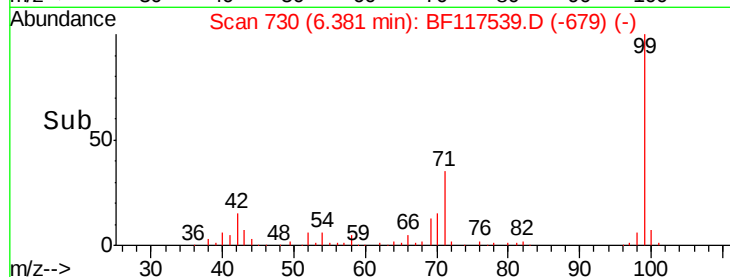
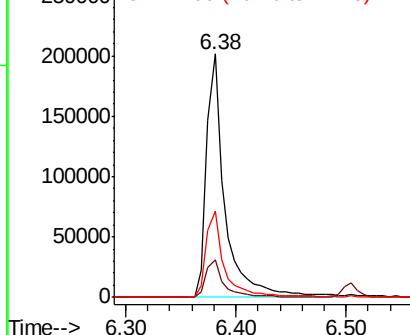
99 100

42 15.2 12.8 19.2

71 35.4 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: 9.336 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Tgt Ion: 70 Resp: 18613

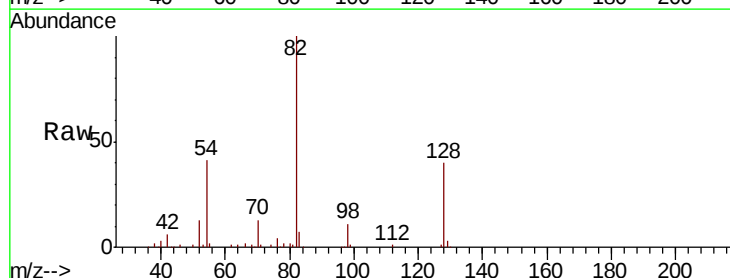
Ion Ratio Lower Upper

70 100

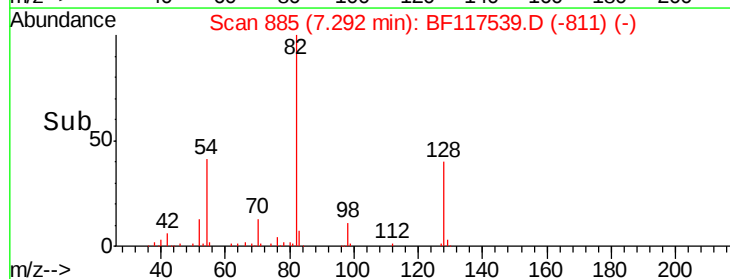
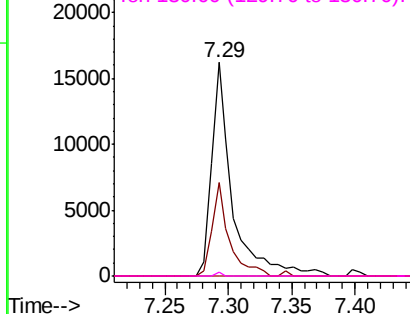
42 44.0 36.7 55.1

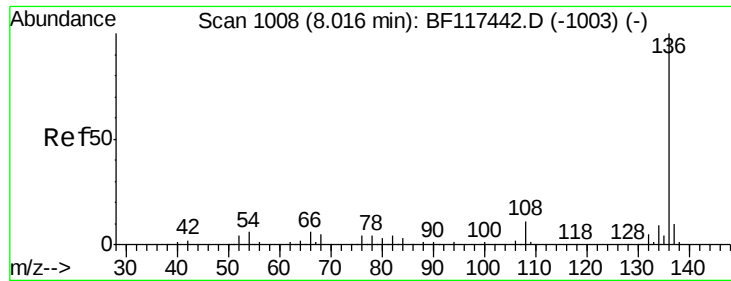
101 0.0 8.3 12.5#

130 2.0 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

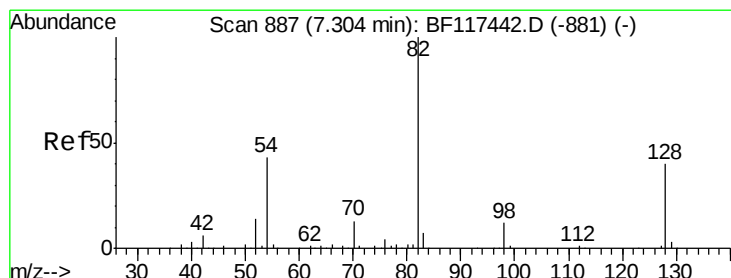
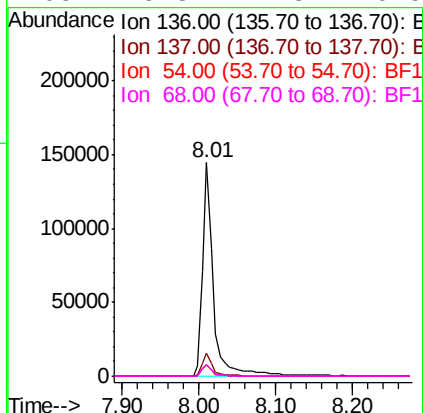
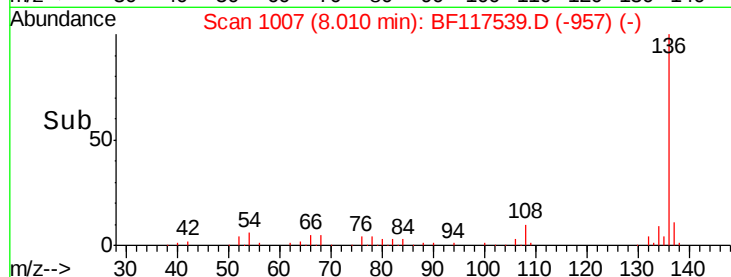
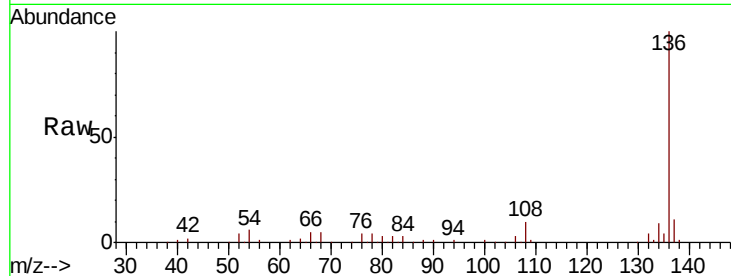




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

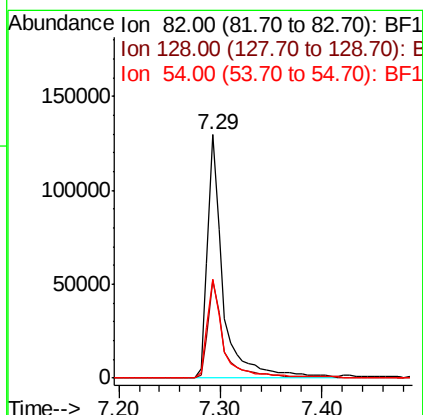
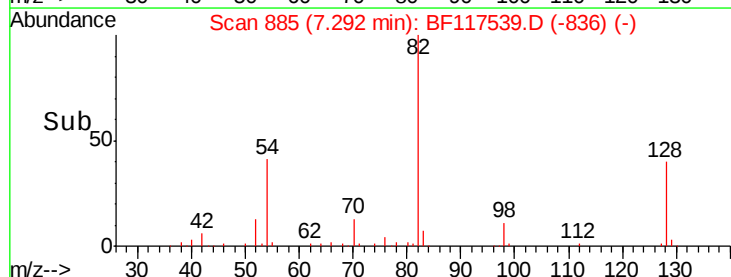
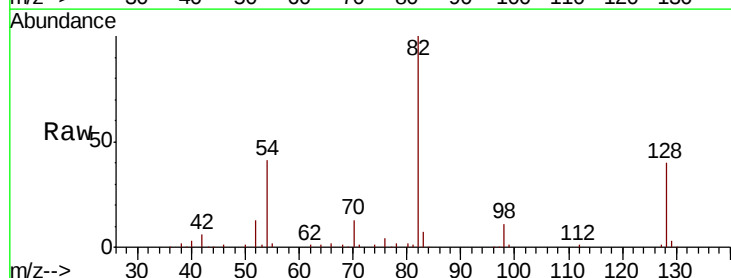
Instrument :
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183-82-(0-2.1)

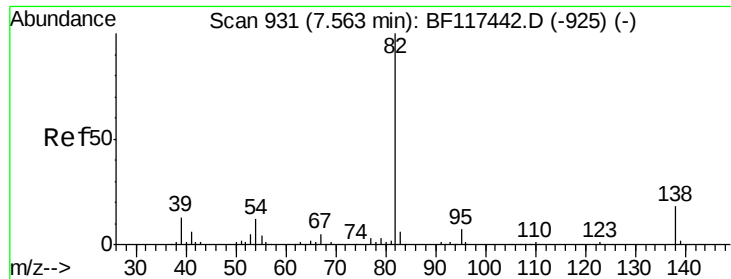
Tot Ion:136	Resp:	144299
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.2 12.4
54	5.7	4.5 6.7
68	5.3	4.3 6.5



#23
Nitrobenzene-d5
Concen: 47.816 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion: 82	Resp:	139763
Ion	Ratio	Lower Upper
82	100	
128	40.0	32.2 48.2
54	40.8	34.2 51.2





#25

Isophorone

Concen: 27.640 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

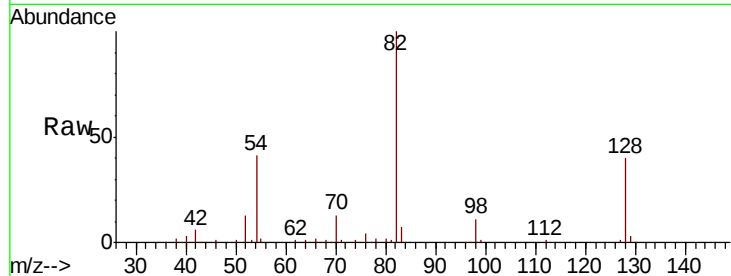
Tot Ion: 82 Resp: 139761

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

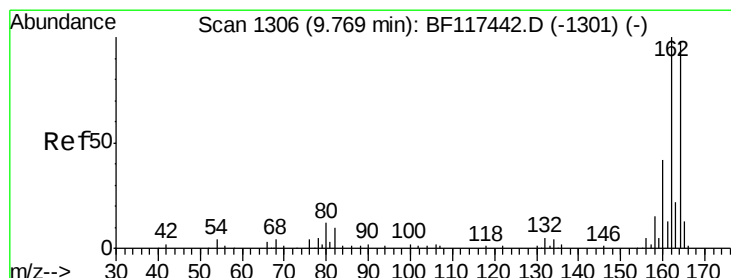
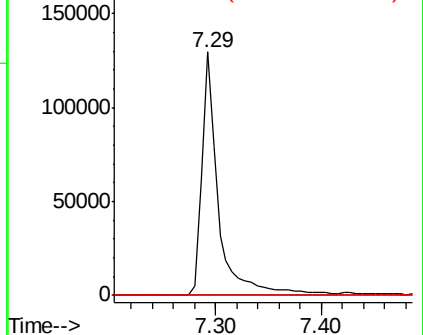
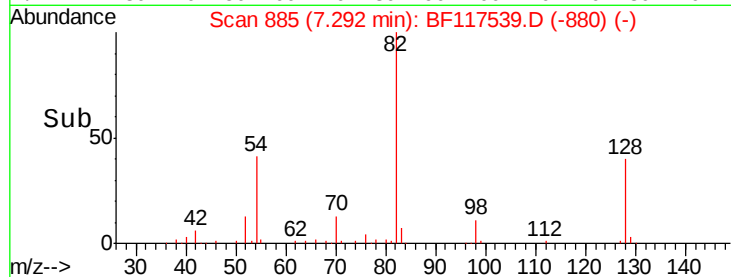
138 0.0 14.2 21.2#



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# 1305

Delta R.T. -0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

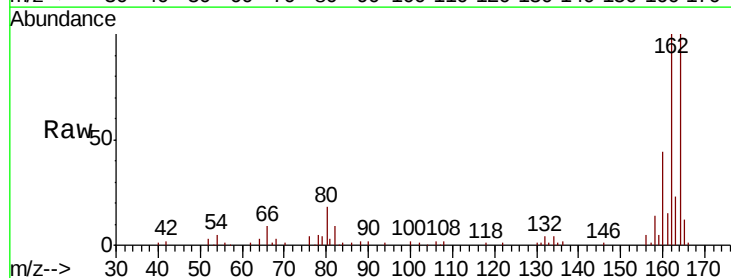
Tgt Ion:164 Resp: 70703

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

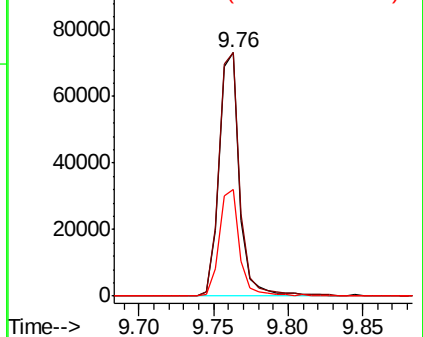
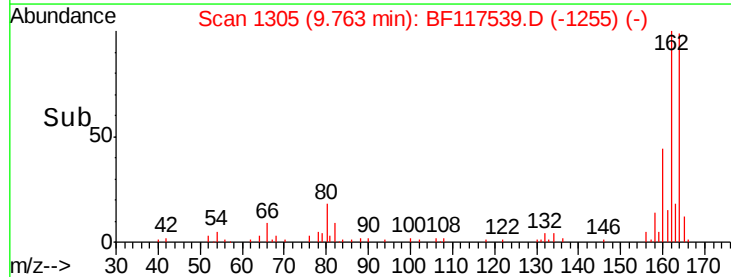
160 43.6 34.4 51.6

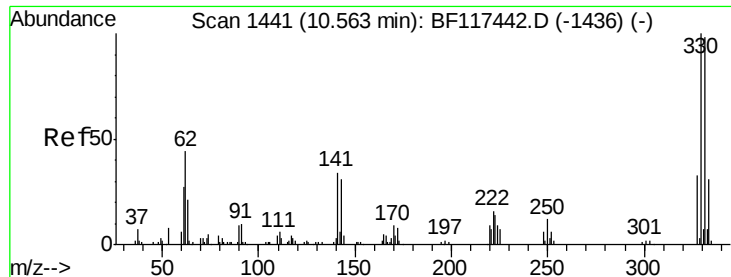


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 60.380 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

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ClientSampleId :

183-82-(0-2.1)

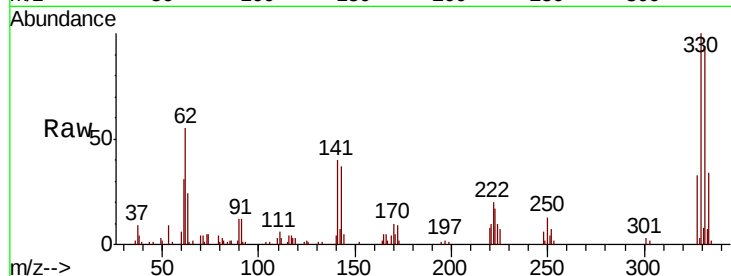
Tot Ion:330 Resp: 36938

Ion Ratio Lower Upper

330 100

332 96.2 78.5 117.7

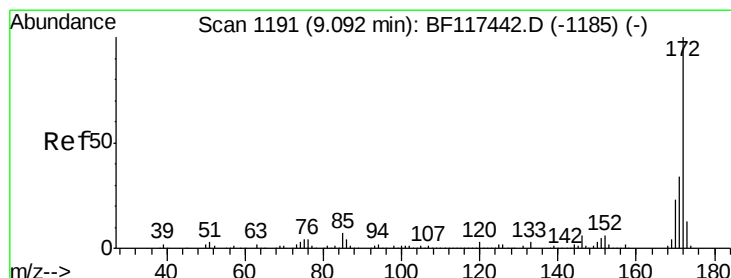
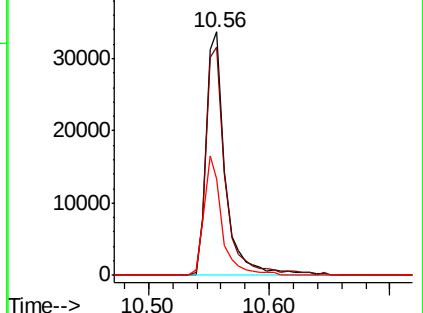
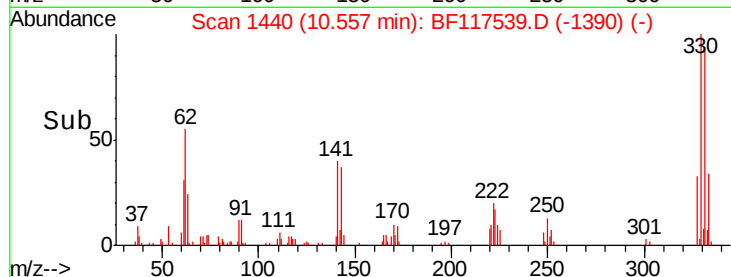
141 46.2 37.0 55.6



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: 49.120 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

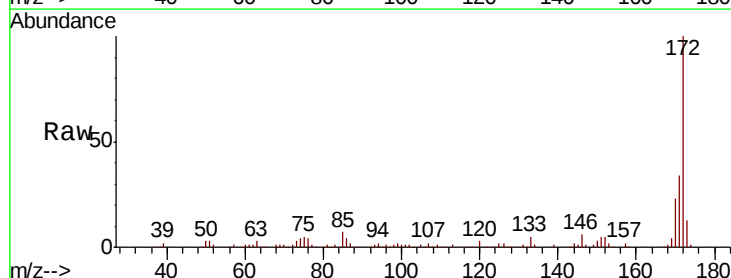
Tgt Ion:172 Resp: 246484

Ion Ratio Lower Upper

172 100

171 34.0 27.5 41.3

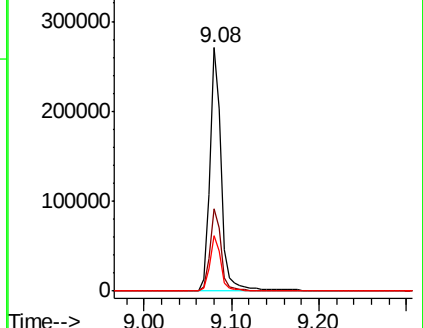
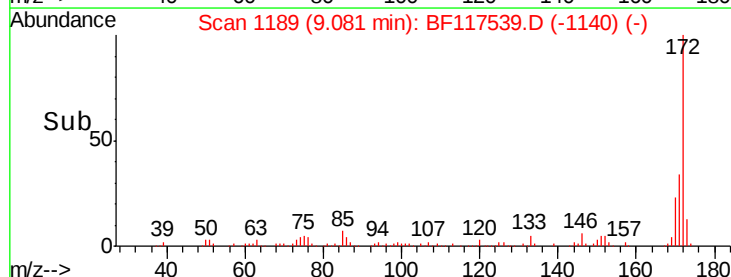
170 22.8 18.6 27.8

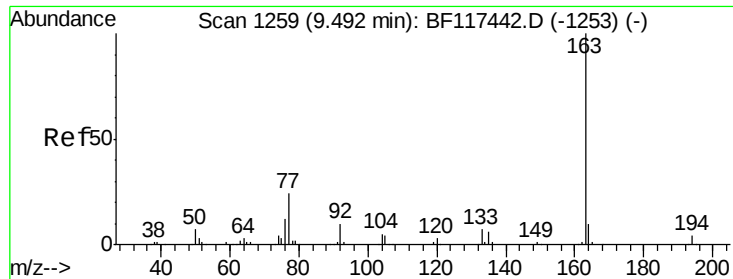


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

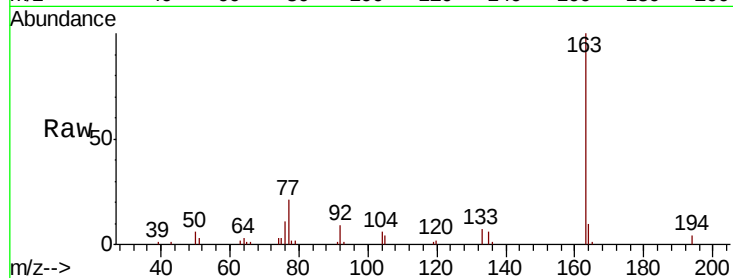




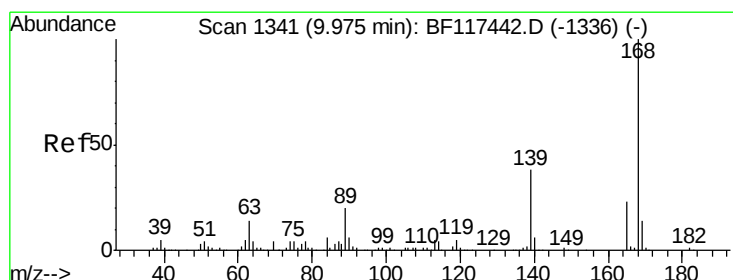
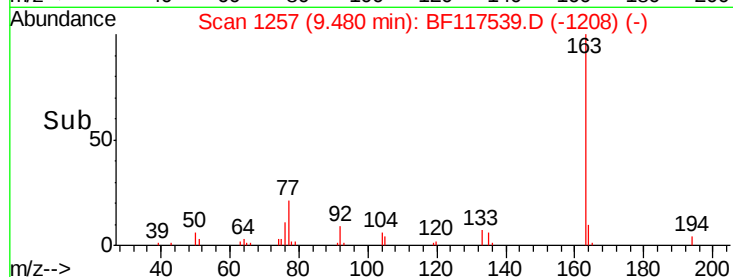
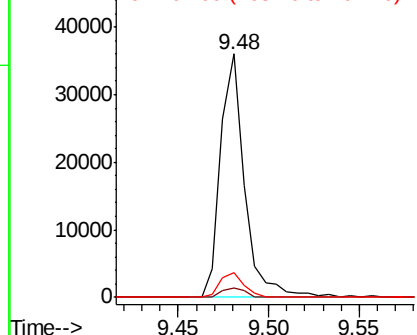
#50
Dimethylphthalate
Concen: 6.626 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
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Tot Ion:163 Resp: 33396
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.1 8.2 12.2

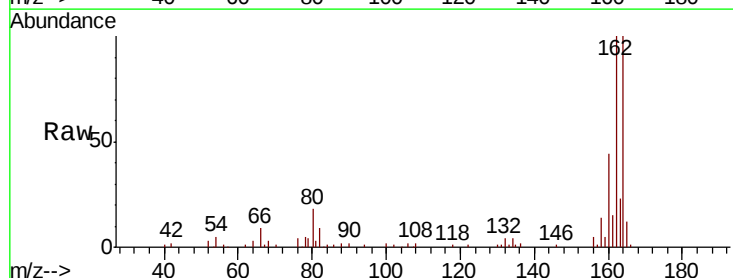


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

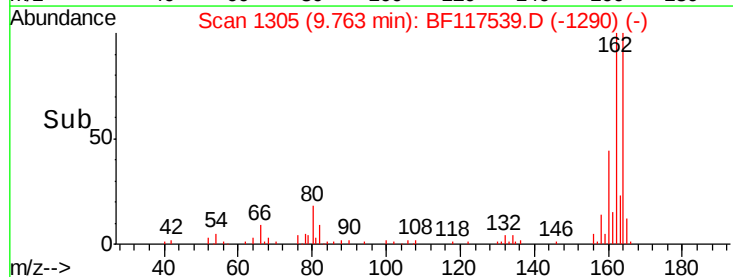
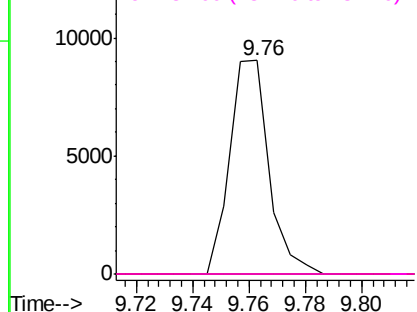


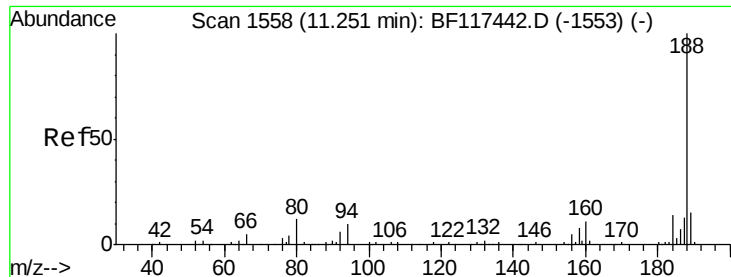
#57
2,4-Dinitrotoluene
Concen: 6.247 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:165 Resp: 8736
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: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

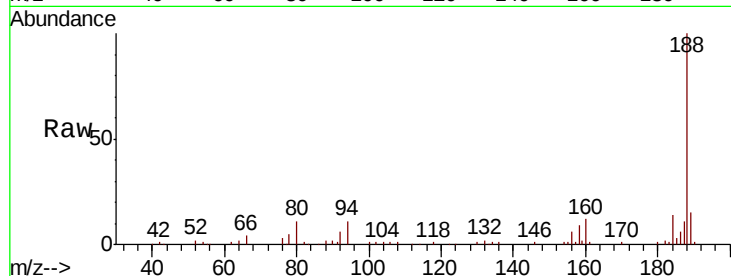
Tot Ion:188 Resp: 99137

Ion Ratio Lower Upper

188 100

94 10.7 8.0 12.0

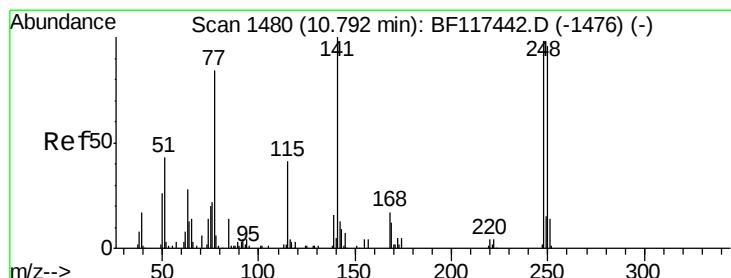
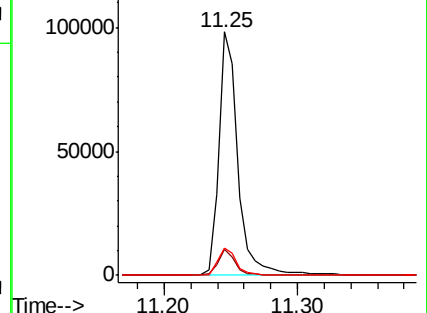
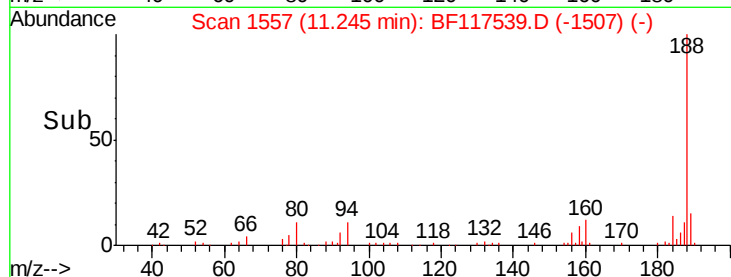
80 11.3 9.5 14.3



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: 2.124 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

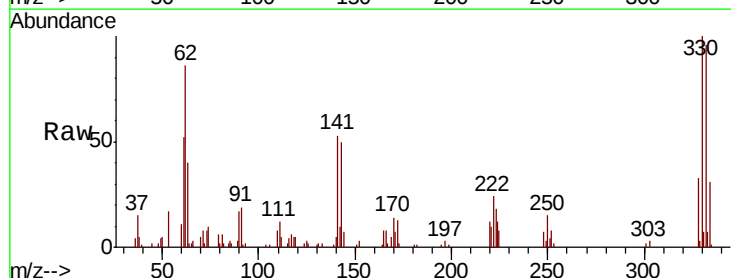
Tgt Ion:248 Resp: 2268

Ion Ratio Lower Upper

248 100

250 213.8 78.0 117.0#

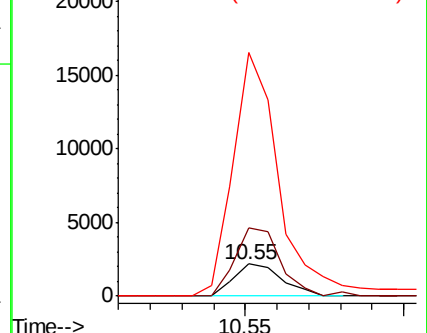
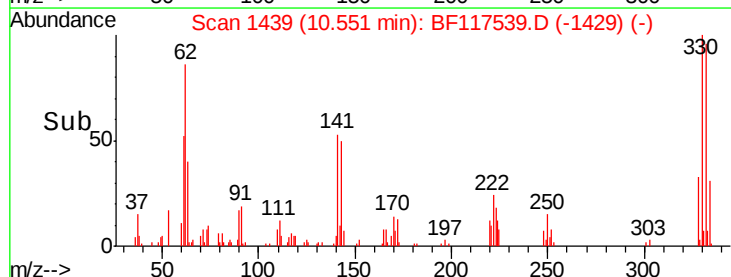
141 756.5 81.7 122.5#

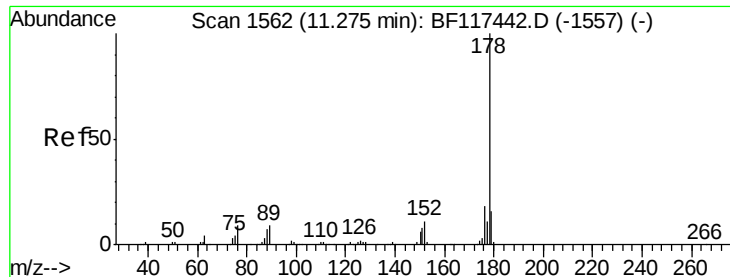


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.089 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

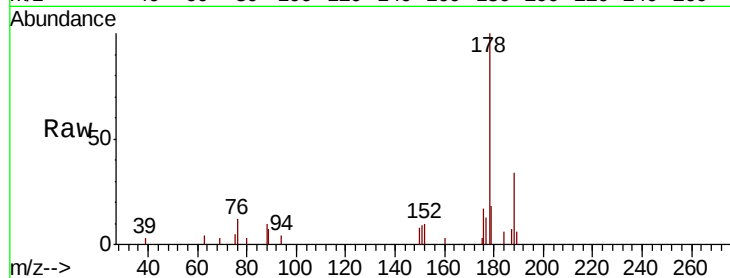
Tot Ion:178 Resp: 12025

Ion Ratio Lower Upper

178 100

176 16.5 14.6 22.0

179 17.6 12.6 19.0

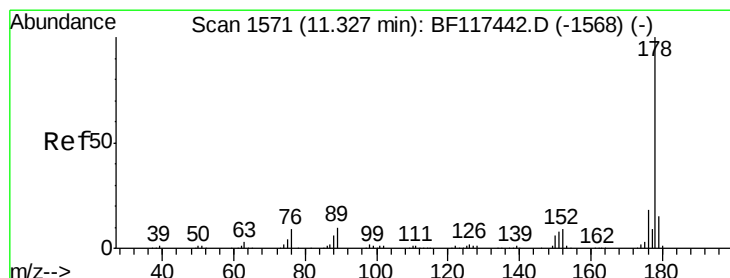
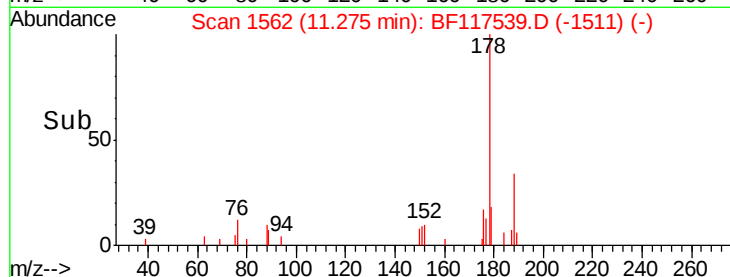
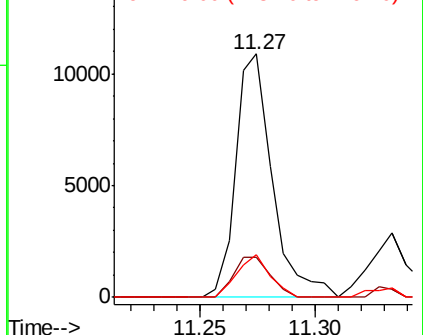


Abundance

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



#72

Anthracene

Concen: 2.036 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

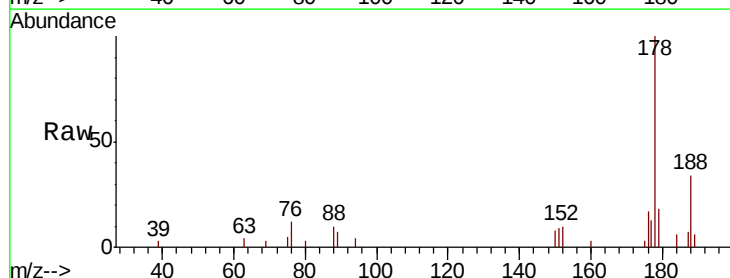
Tgt Ion:178 Resp: 12025

Ion Ratio Lower Upper

178 100

176 16.5 14.7 22.1

179 17.6 12.2 18.2

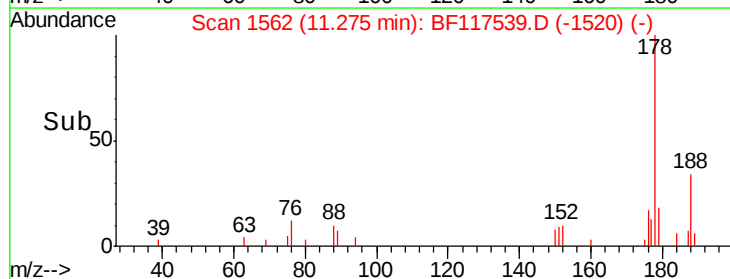
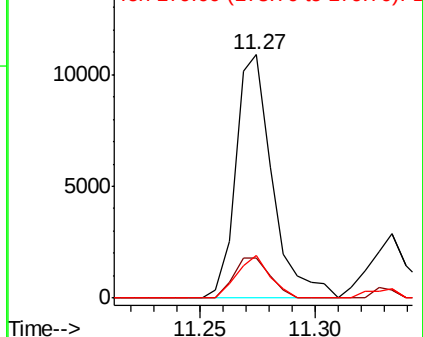


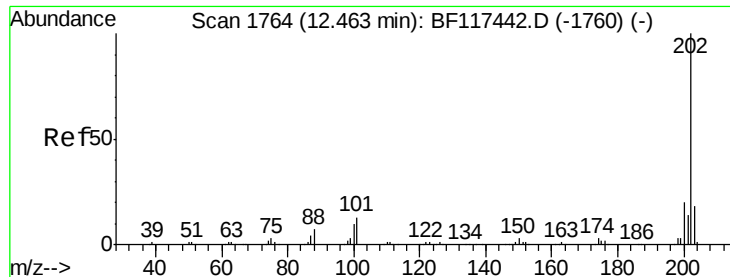
Abundance

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: 4.358 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

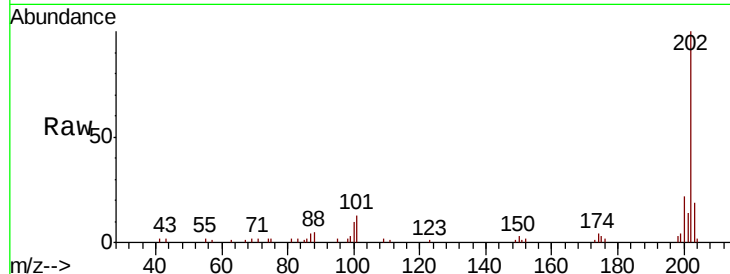
Tot Ion:202 Resp: 25113

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.7

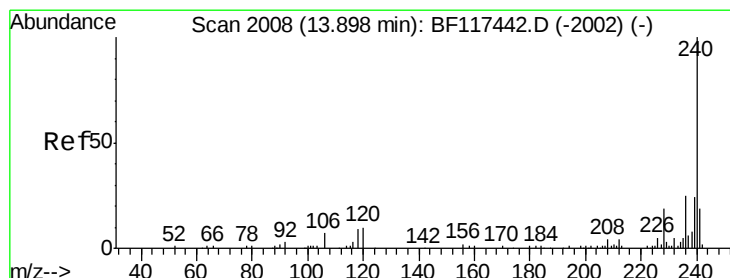
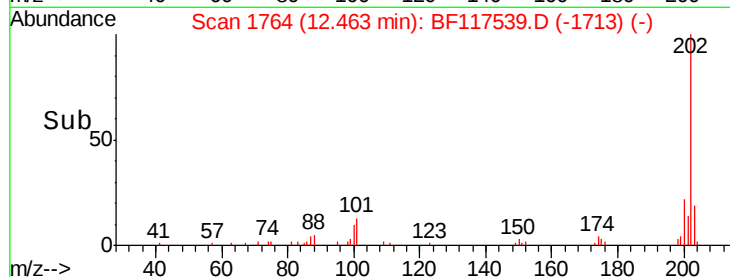
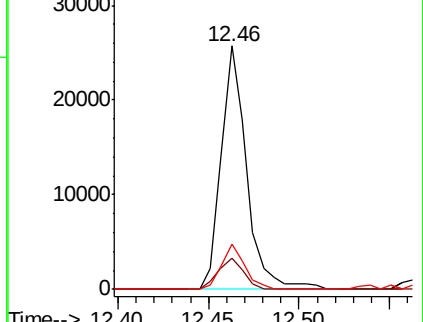
203 18.6 0.0 37.6



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: BF117539.D

Acq: 25 Oct 2019 16:39

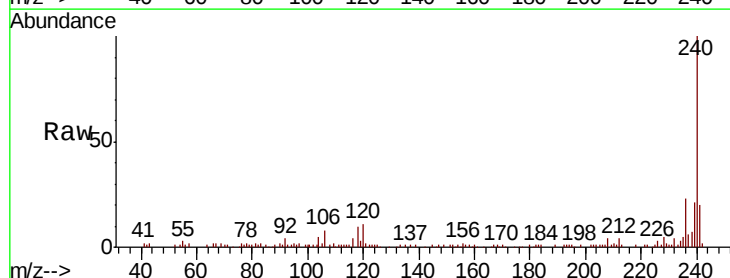
Tgt Ion:240 Resp: 70382

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

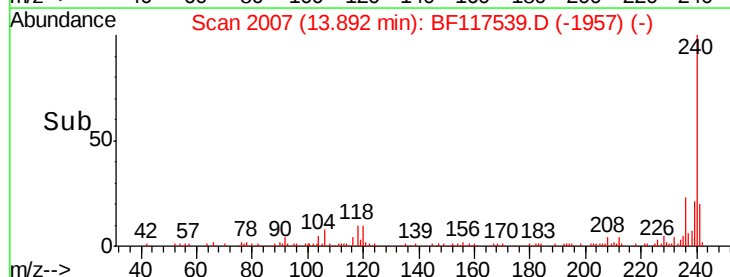
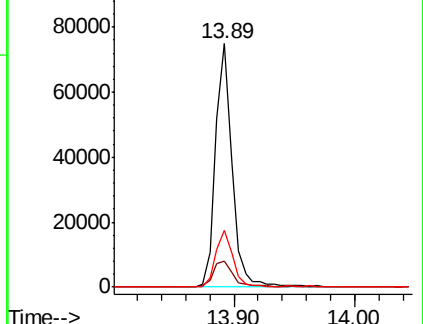
236 23.3 20.0 30.0

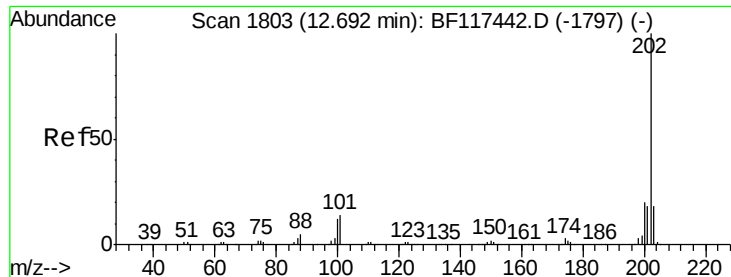


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

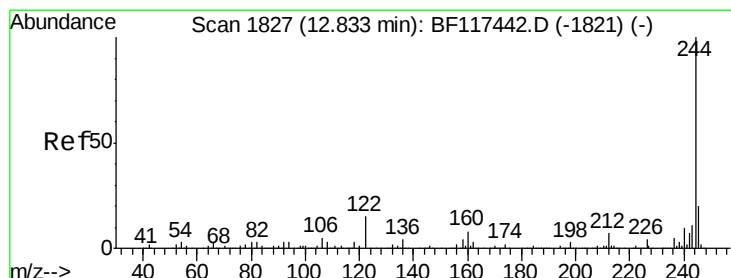
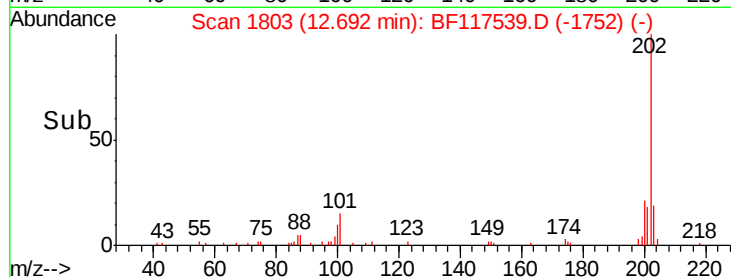
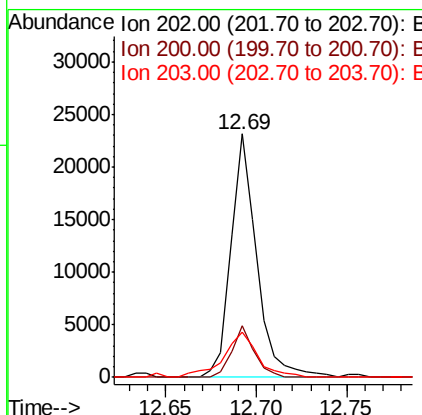
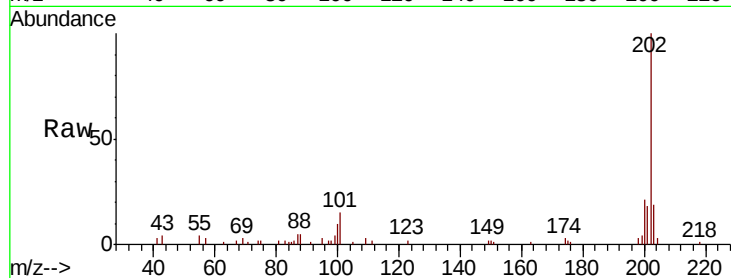




#78
Pvrene
Concen: 3.811 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

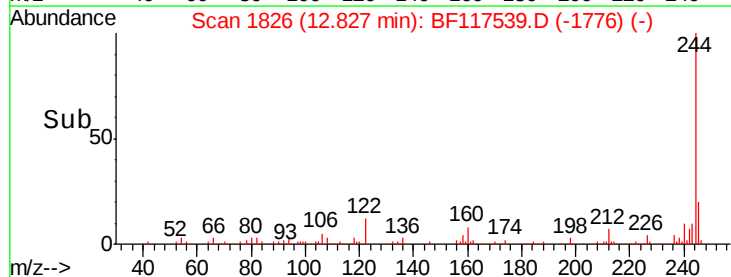
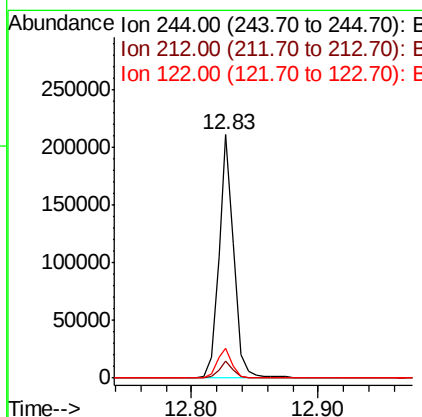
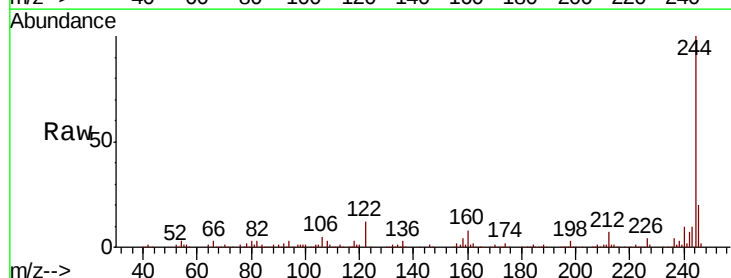
Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

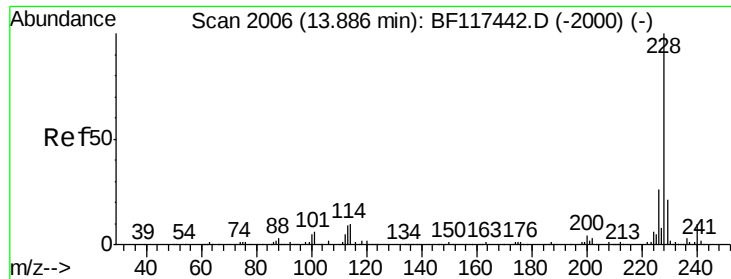
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.2
203	18.8	14.0	21.0



#79
Terphenyl-d14
Concen: 40.093 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

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

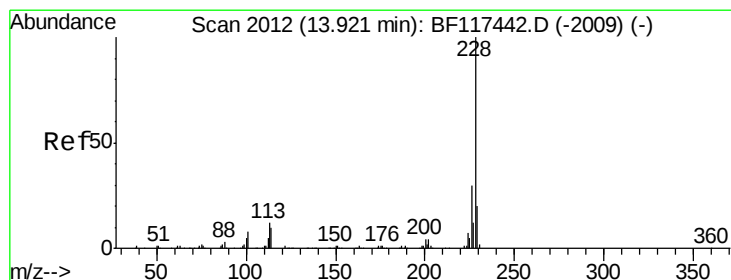
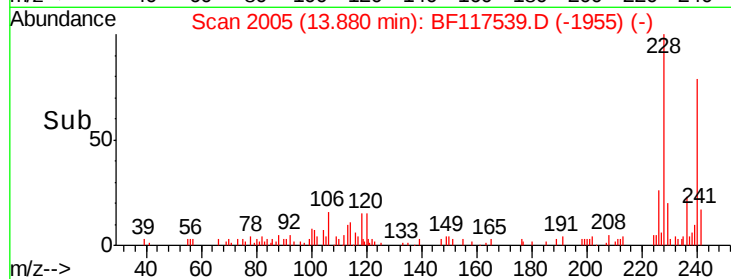
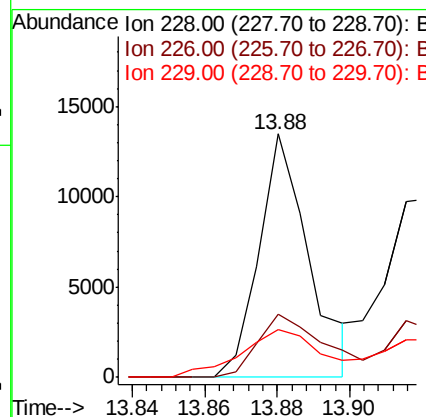
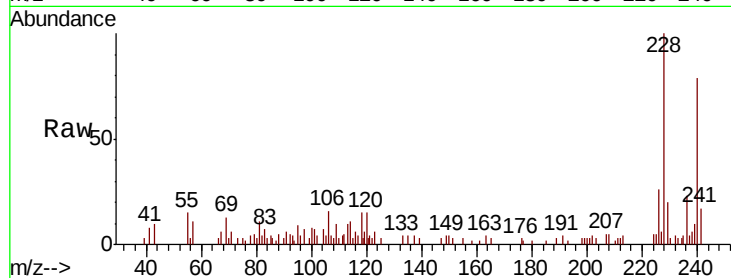




#81
Benzo(a)anthracene
Concen: 2.707 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

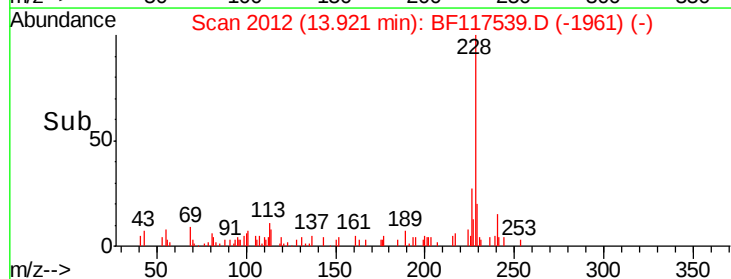
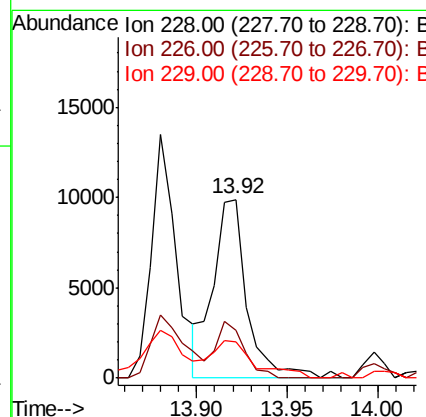
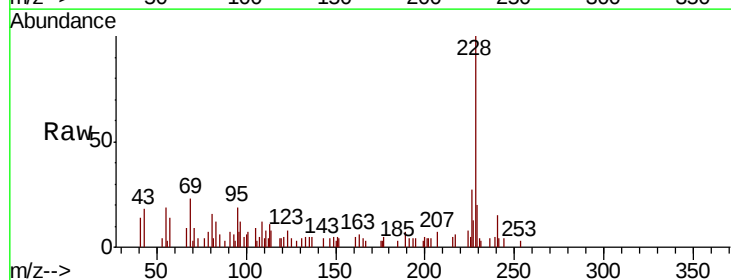
Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

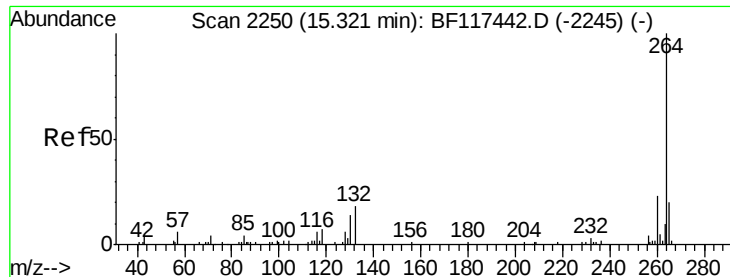
Tot Ion:228	Resp:	12853
Ion Ratio	Lower	Upper
228	100	
226	26.0	21.0 31.4
229	19.8	16.4 24.6



#83
Chrysene
Concen: 2.780 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:228	Resp:	12935
Ion Ratio	Lower	Upper
228	100	
226	27.0	23.9 35.9
229	20.3	15.8 23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

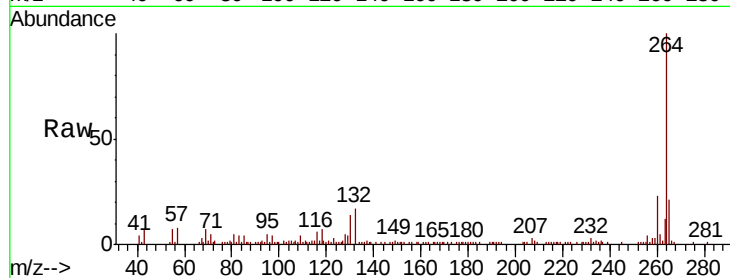
Tot Ion:264 Resp: 74068

Ion Ratio Lower Upper

264 100

260 22.9 18.4 27.6

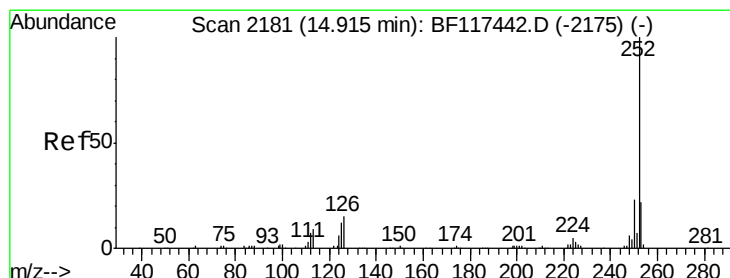
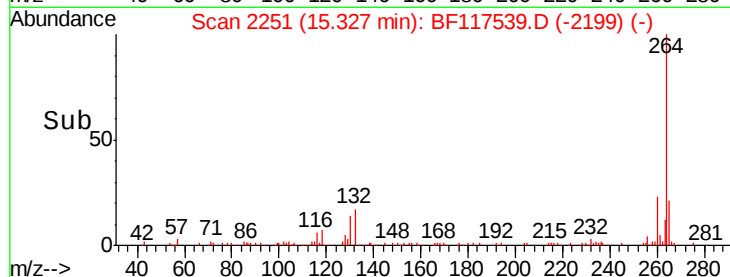
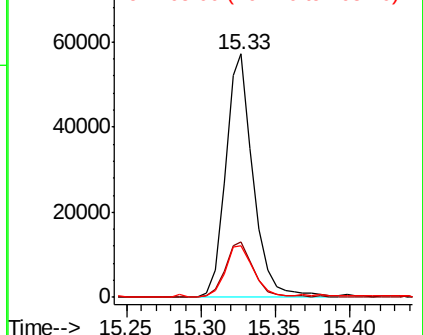
265 21.4 16.1 24.1



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: 5.175 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

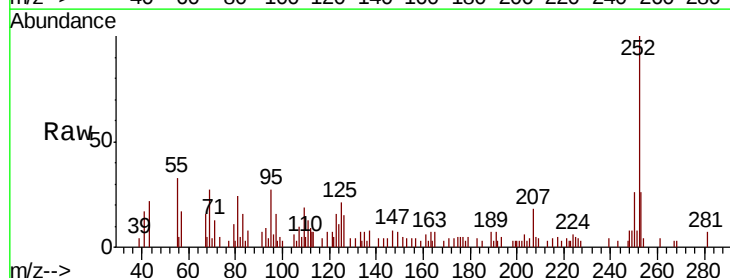
Tgt Ion:252 Resp: 22636

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

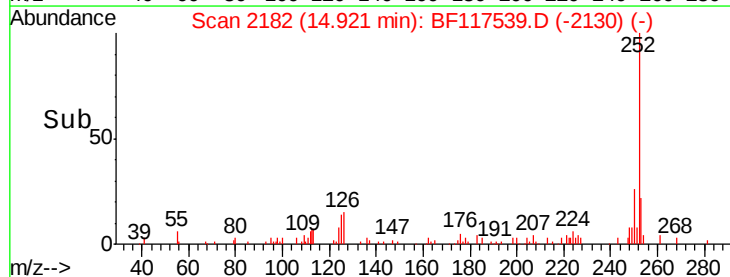
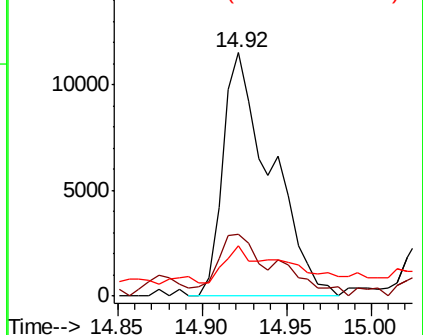
125 20.9 9.9 14.9#

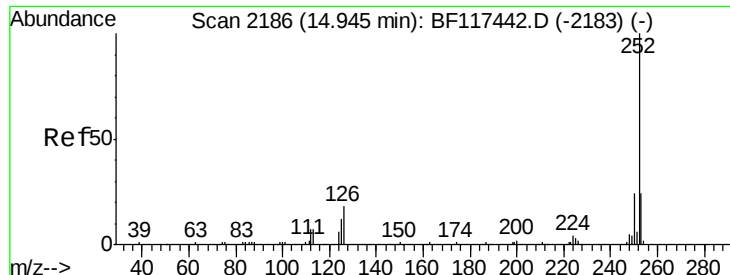


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

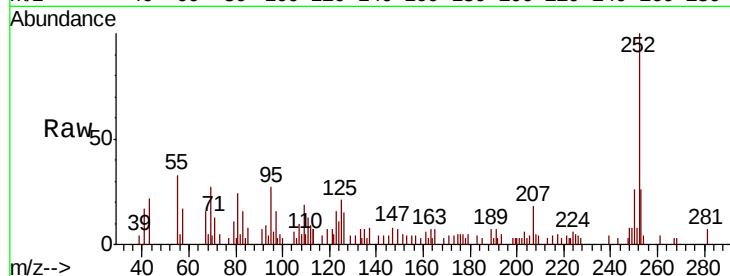




#89
Benzo(k)fluoranthene
Concen: 5.049 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	20.9	8.9	13.3#

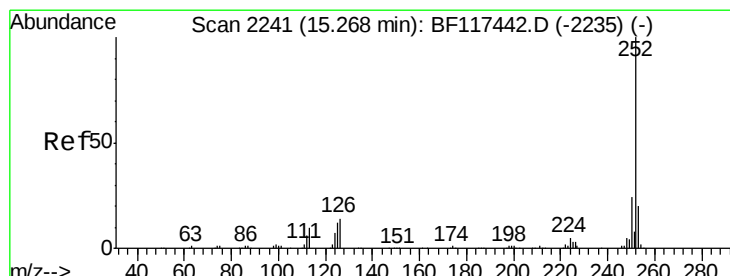
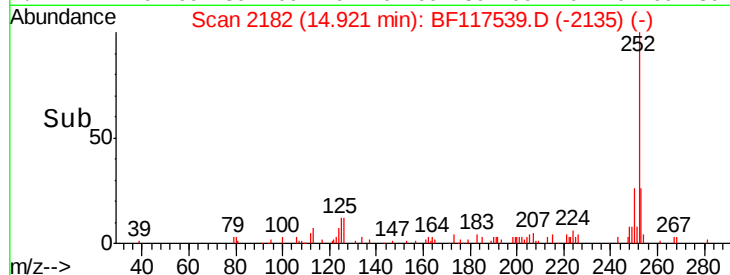
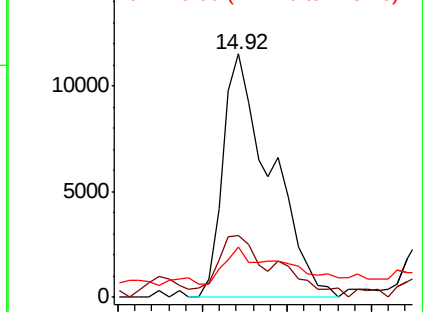


Abundance

Ion 252.00 (251.70 to 252.70): E

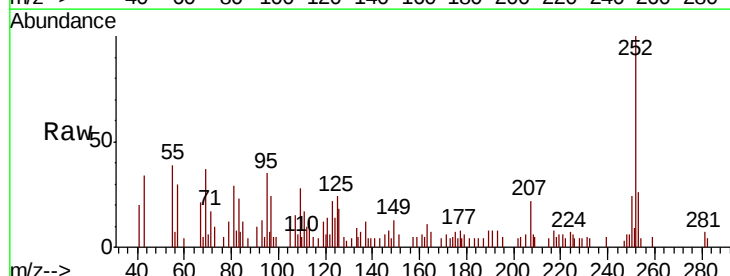
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.775 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	16.3	24.5#
125	24.4	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

