

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117181.D
 Acq On : 19 Sep 2019 18:16
 Operator : HP/JU
 Sample : K4957-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:35:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	28249	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	114934	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	60817	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	92747	20.00	ng	0.00
76) Chrysene-d12	13.96	240	55059	20.00	ng	-0.01
87) Perylene-d12	15.42	264	51294	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	148784	82.23	ng	0.00
7) Phenol-d6	6.46	99	207975	88.94	ng	0.00
23) Nitrobenzene-d5	7.38	82	131715	60.21	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	44783	88.11	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	217901	56.02	ng	0.00
79) Terphenyl-d14	12.91	244	170195	57.78	ng	0.00

Target Compounds

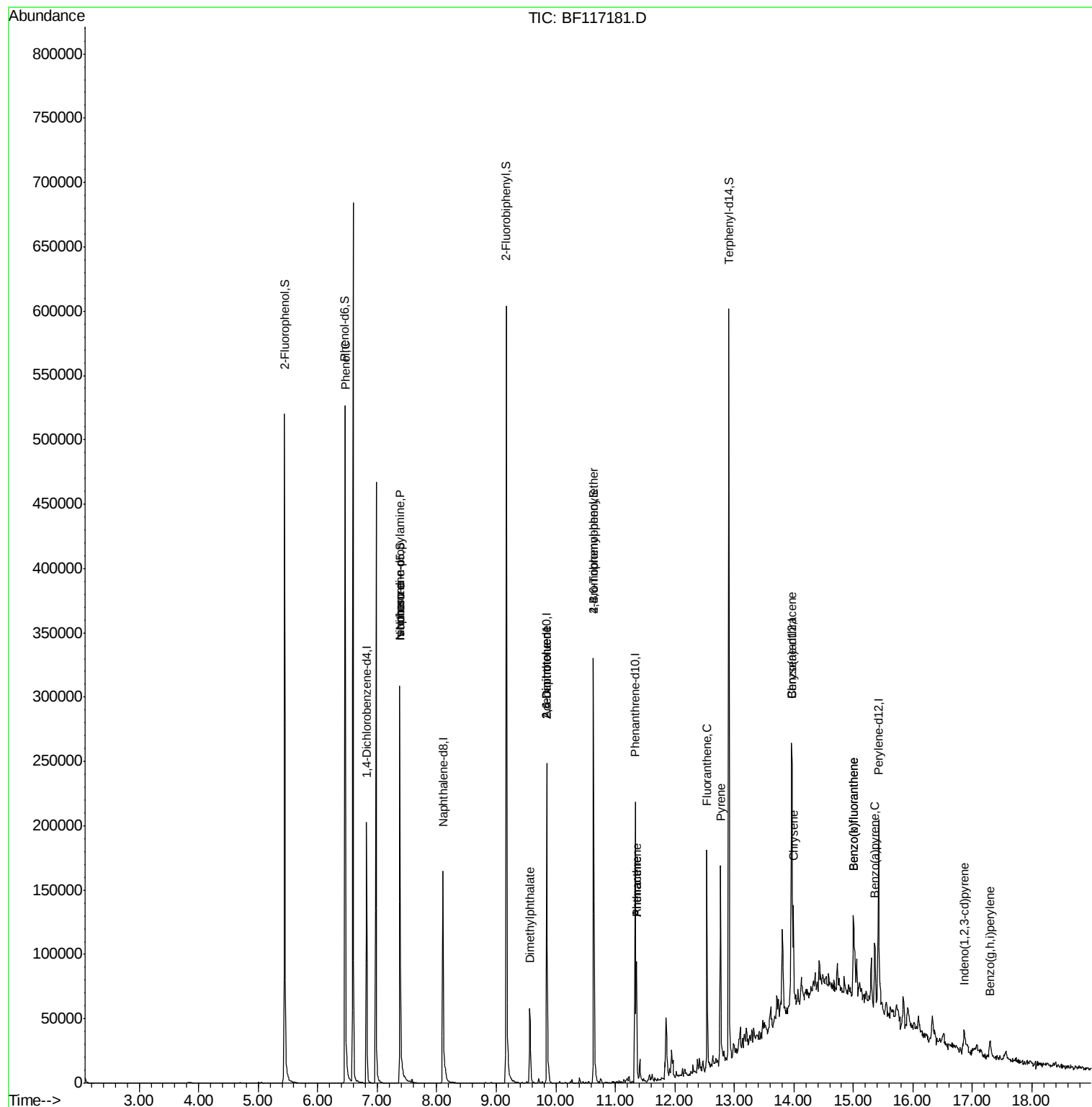
						Qvalue
9) Benzaldehyde	6.59	77	4526	Below Cal	#	73
10) Phenol	6.47	94	8375	3.249 ng		86
19) n-Nitroso-di-n-propylamine	7.38	70	18467	12.969 ng	#	79
25) Isophorone	7.38	82	131714	34.008 ng	#	66
50) Dimethylphthalate	9.56	163	33033	7.671 ng	#	96
51) 2,6-Dinitrotoluene	9.85	165	7908	9.017 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	7908	6.946 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	2762	2.916 ng	#	1
71) Phenanthrene	11.36	178	39482	7.495 ng		99
72) Anthracene	11.36	178	39482	7.341 ng		99
75) Fluoranthene	12.54	202	72805	13.450 ng		95
78) Pylene	12.77	202	67672	14.648 ng		97
81) Benzo(a)anthracene	13.96	228	29517	8.024 ng		96
83) Chrysene	13.99	228	27869	7.768 ng		96
86) Indeno(1,2,3-cd)pyrene	16.86	276	11503	4.395 ng		98
88) Benzo(b)fluoranthene	15.00	252	44330	14.267 ng	#	92
89) Benzo(k)fluoranthene	15.00	252	44330	15.062 ng	#	92
90) Benzo(a)pyrene	15.36	252	22966	8.423 ng	#	92
92) Benzo(a,h,i)perylene	17.30	276	10281	4.750 ng	#	92

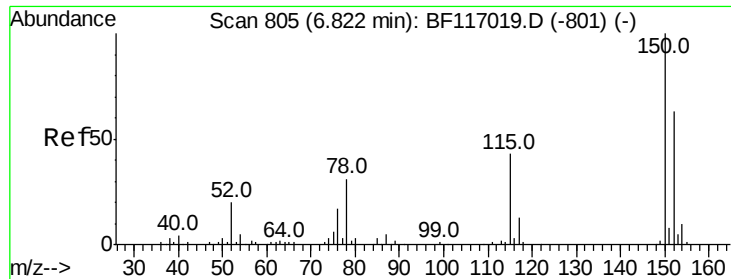
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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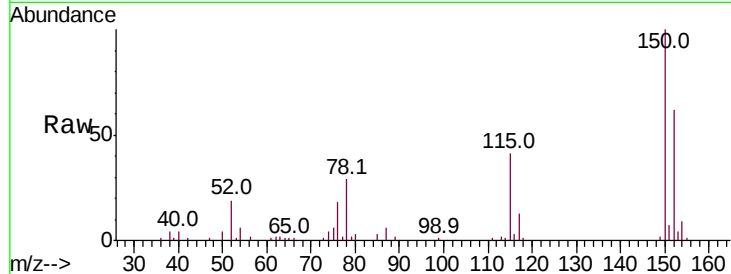


#1

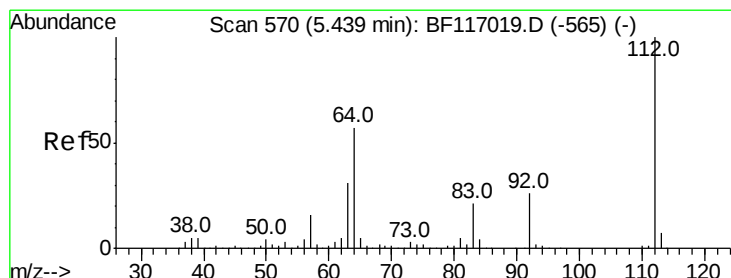
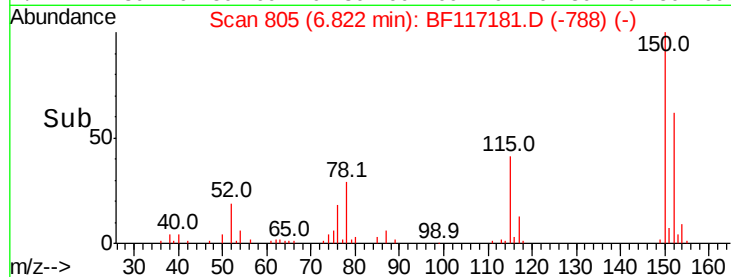
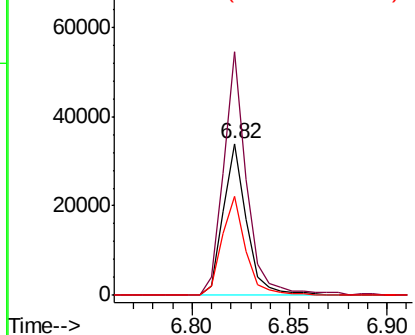
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28249
Ion Ratio Lower Upper
152 100
150 160.6 127.5 191.3
115 65.5 55.0 82.4



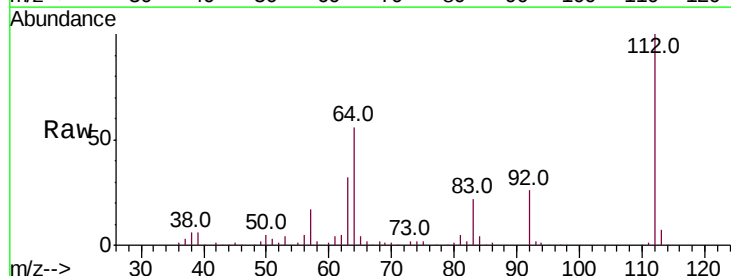
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



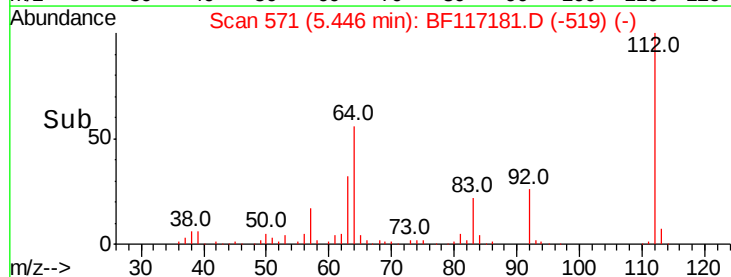
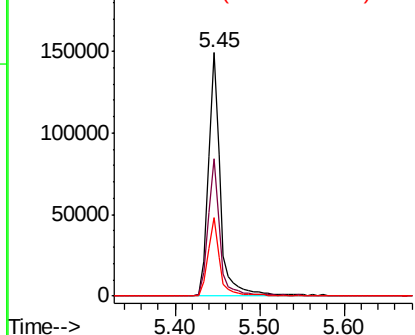
#5

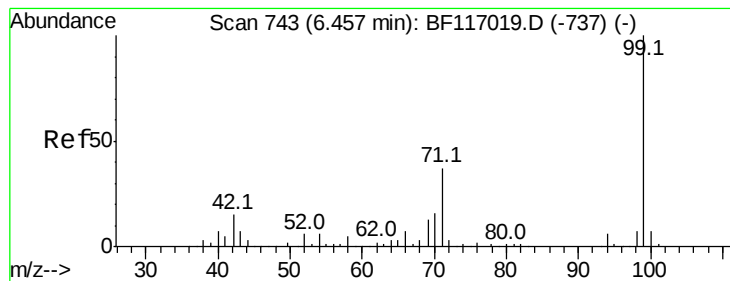
2-Fluorophenol
Concen: 82.229 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Tgt Ion:112 Resp: 148784
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 32.4 24.9 37.3



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: 88.940 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampled :

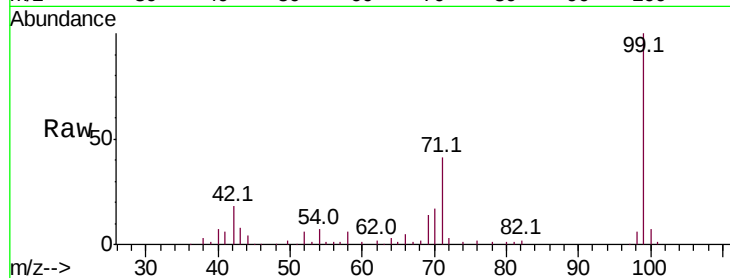
Tot Ion: 99 Resp: 207975

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

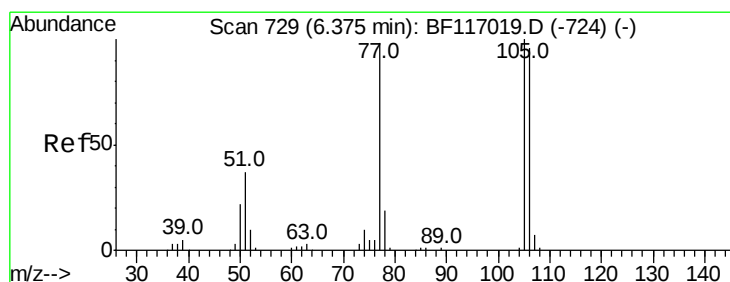
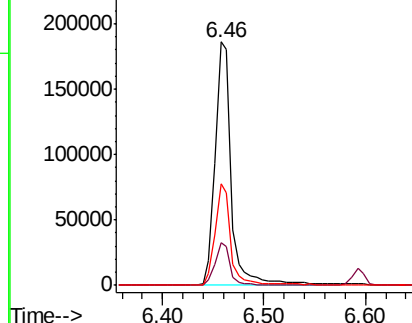
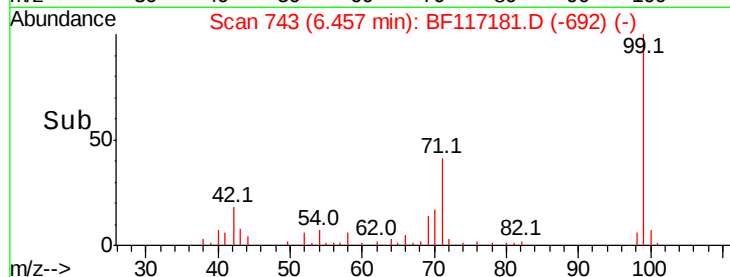
71 41.5 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

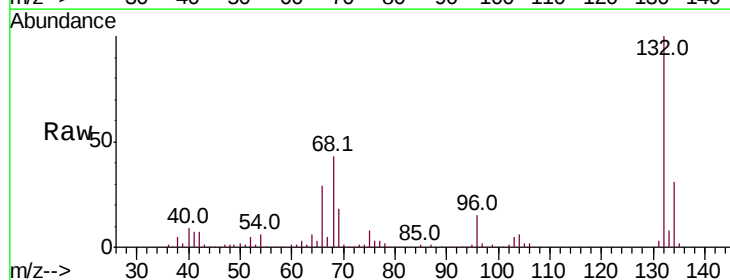
Tgt Ion: 77 Resp: 4526

Ion Ratio Lower Upper

77 100

105 77.8 81.8 121.8#

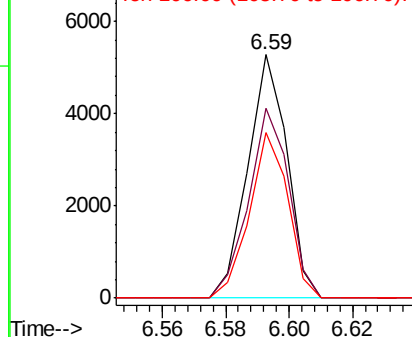
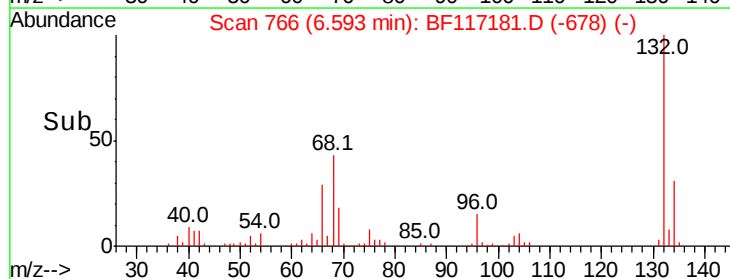
106 67.7 77.3 117.3#

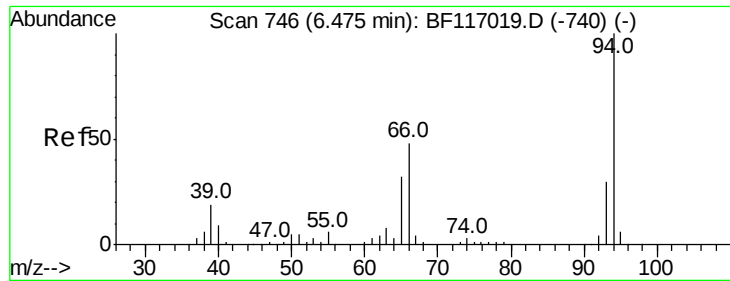


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.249 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampleId :

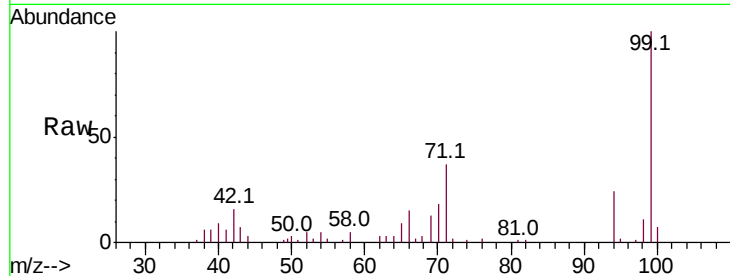
Tot Ion: 94 Resp: 8375

Ion Ratio Lower Upper

94 100

65 35.7 12.5 52.5

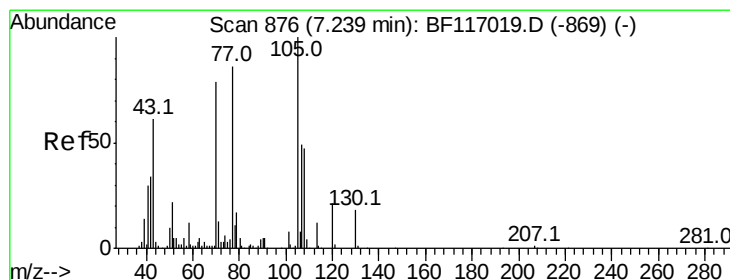
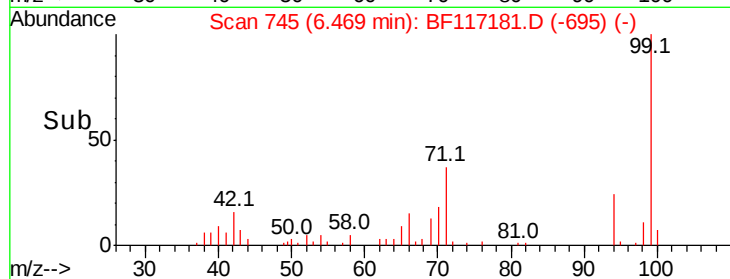
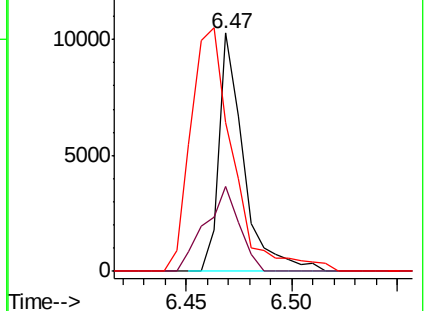
66 62.4 28.9 68.9



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: 12.969 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Tgt Ion: 70 Resp: 18467

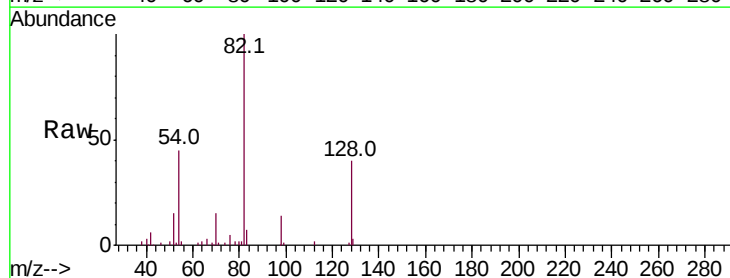
Ion Ratio Lower Upper

70 100

42 38.5 34.0 51.0

101 0.0 7.8 11.6#

130 0.0 17.8 26.8#

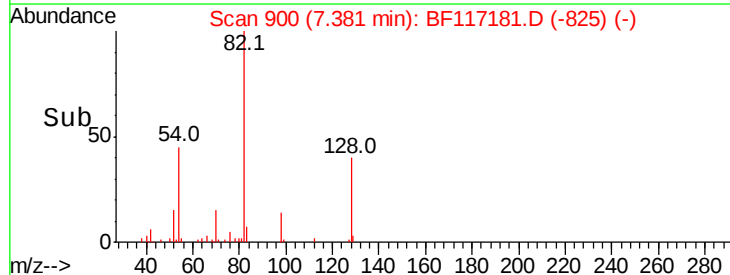
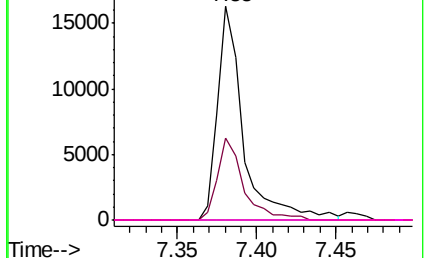


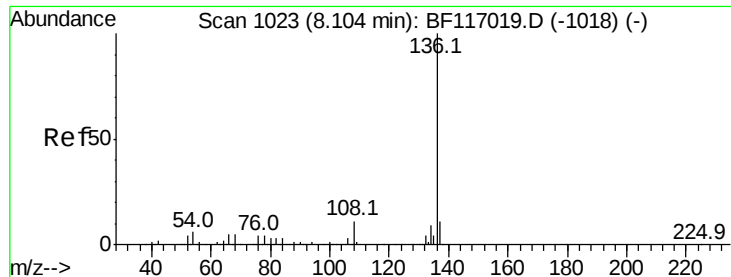
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 114934

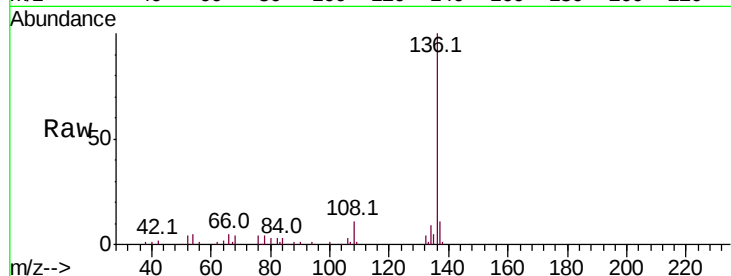
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.2 4.5 6.7

68 3.9 4.0 6.0#

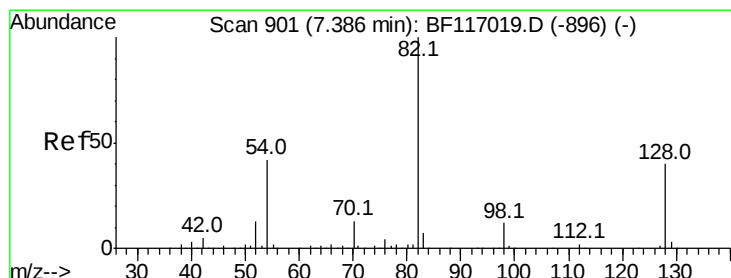
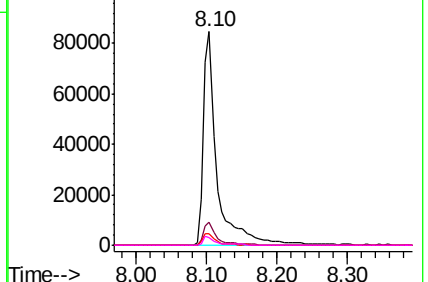
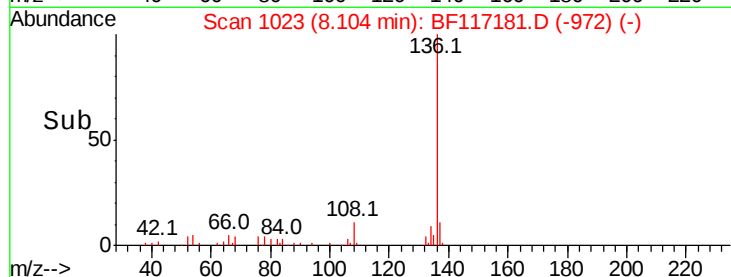


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.214 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

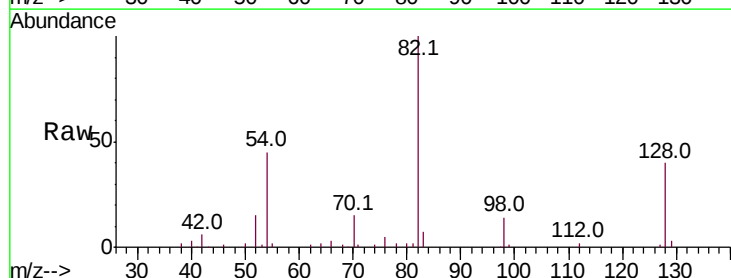
Tgt Ion: 82 Resp: 131715

Ion Ratio Lower Upper

82 100

128 39.6 32.3 48.5

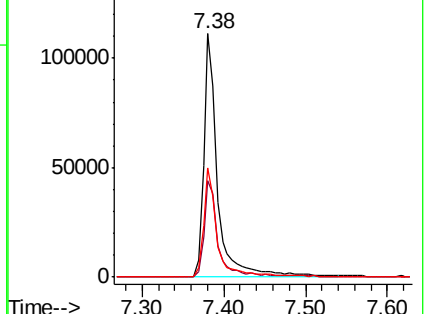
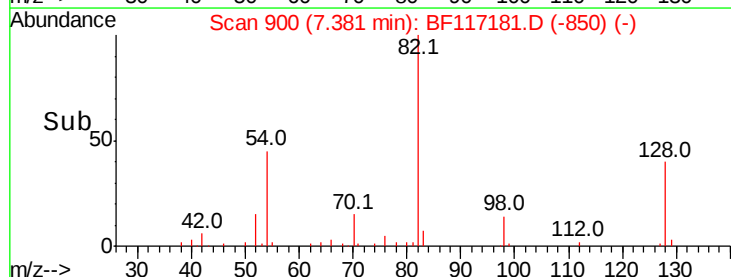
54 45.0 33.3 49.9

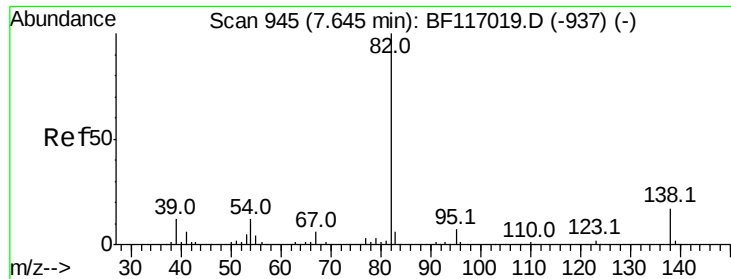


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.008 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampled :

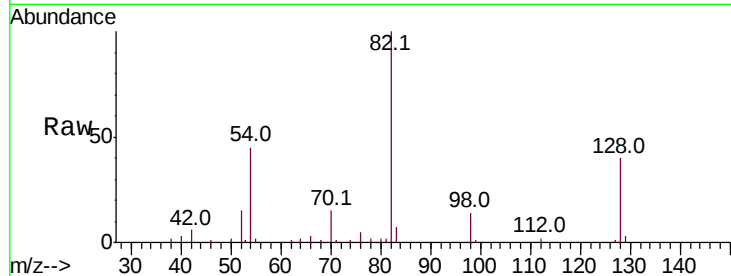
Tot Ion: 82 Resp: 131714

Ion Ratio Lower Upper

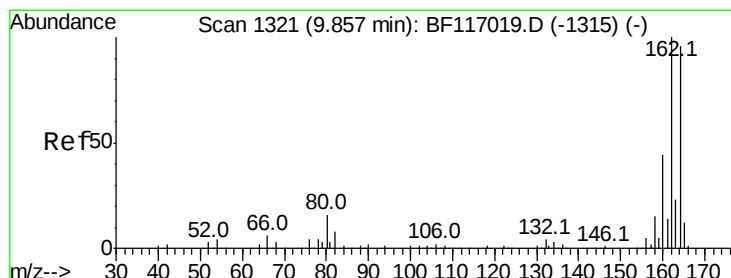
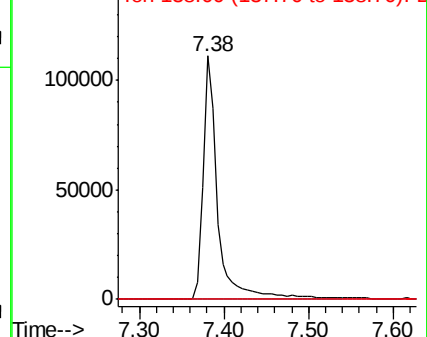
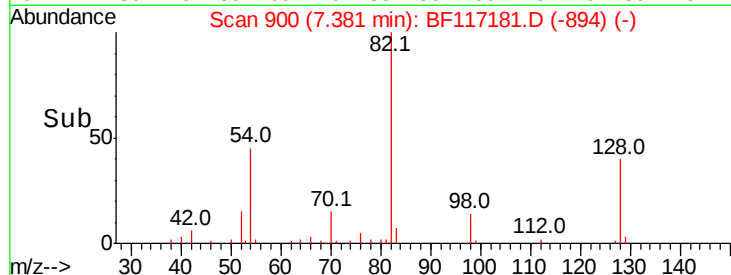
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

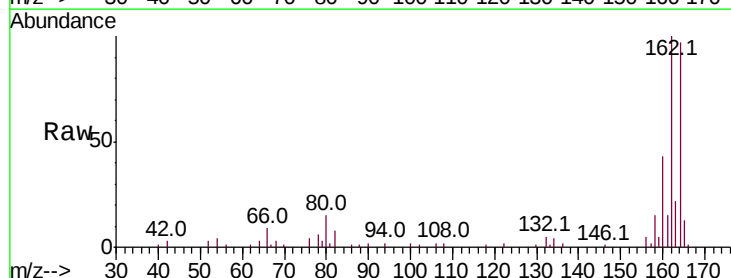
Tgt Ion:164 Resp: 60817

Ion Ratio Lower Upper

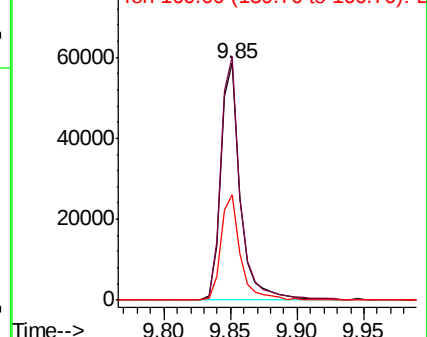
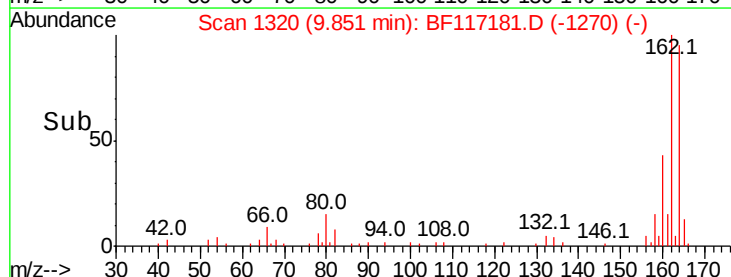
164 100

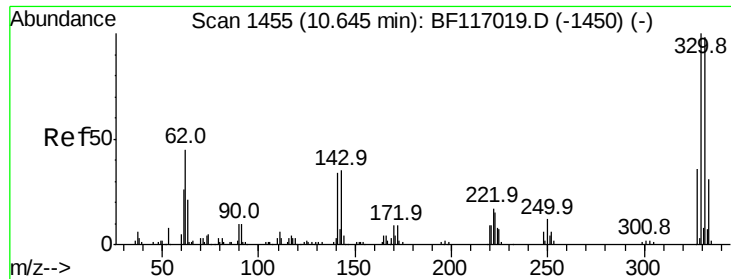
162 102.8 83.4 125.2

160 44.4 36.4 54.6



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: 88.105 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampled :

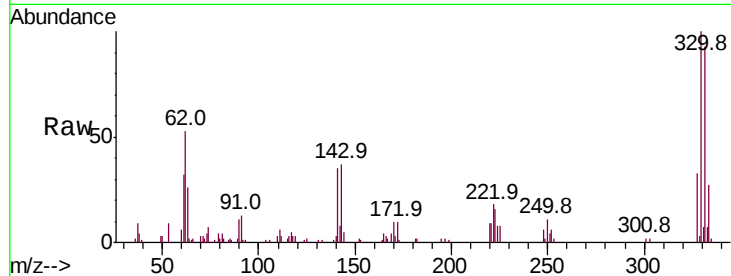
Tot Ion:330 Resp: 44783

Ion Ratio Lower Upper

330 100

332 93.3 78.0 117.0

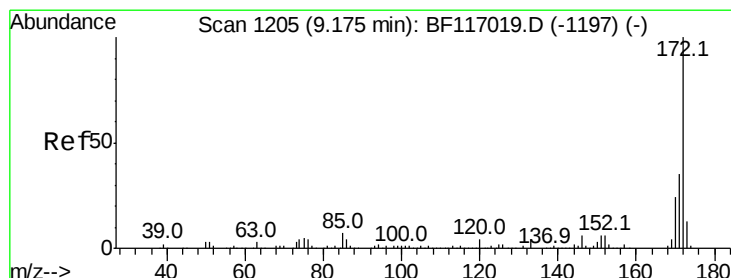
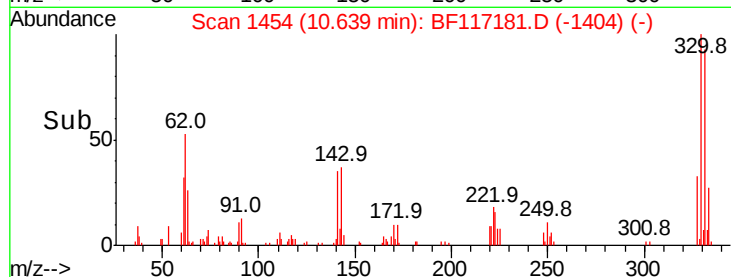
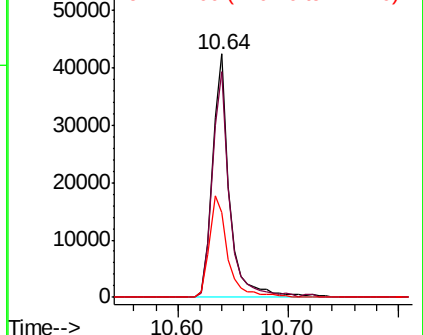
141 44.6 35.8 53.6



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: 56.021 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

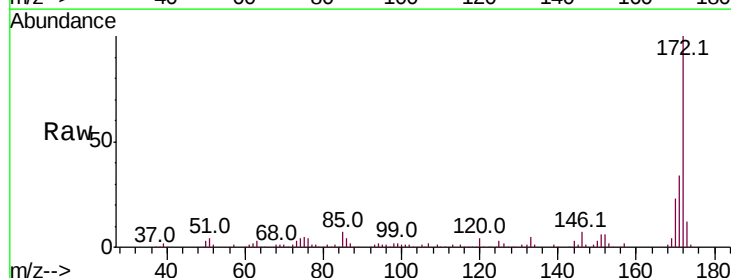
Tgt Ion:172 Resp: 217901

Ion Ratio Lower Upper

172 100

171 34.1 28.2 42.2

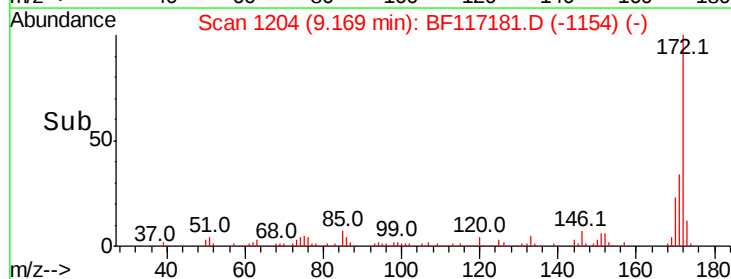
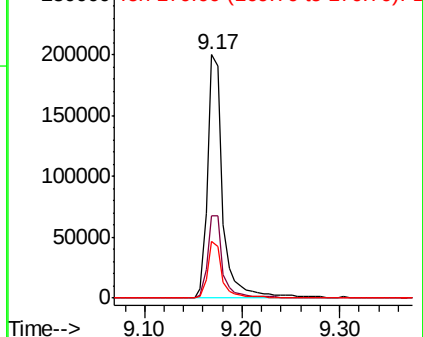
170 23.2 18.9 28.3

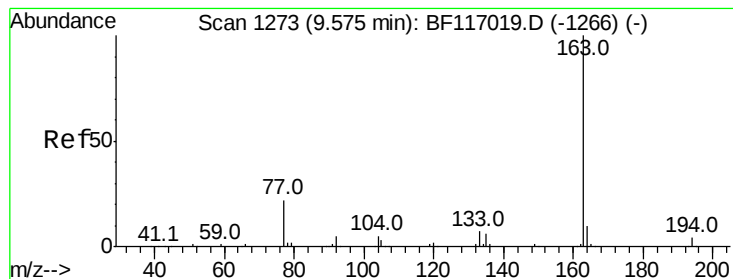


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.671 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampleId :

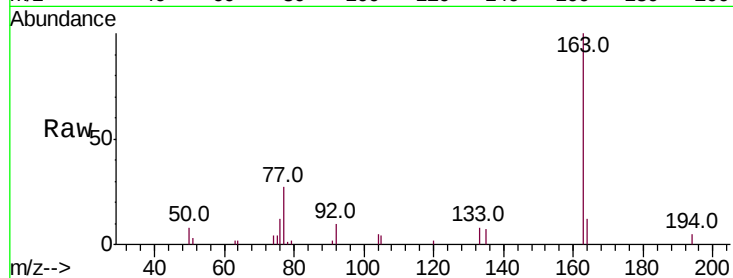
Tot Ion:163 Resp: 33033

Ion Ratio Lower Upper

163 100

194 4.5 2.9 4.3#

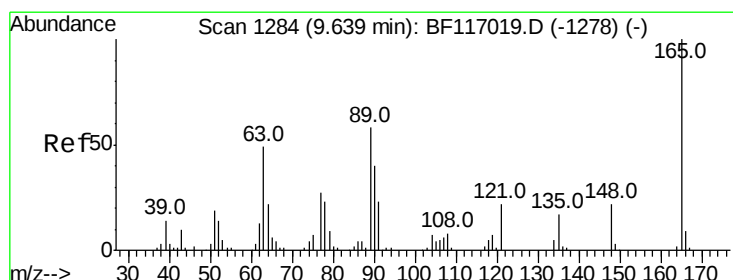
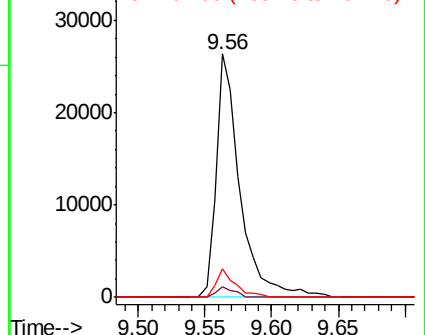
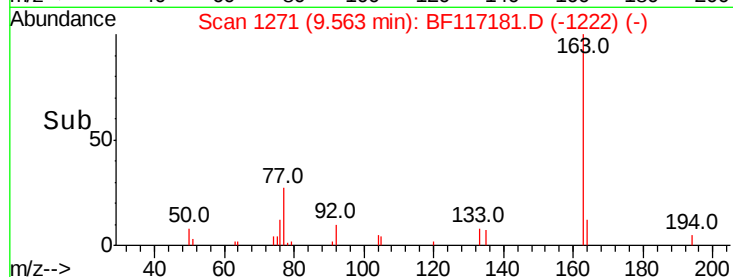
164 11.9 8.2 12.4



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



#51

2,6-Dinitrotoluene

Concen: 9.017 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

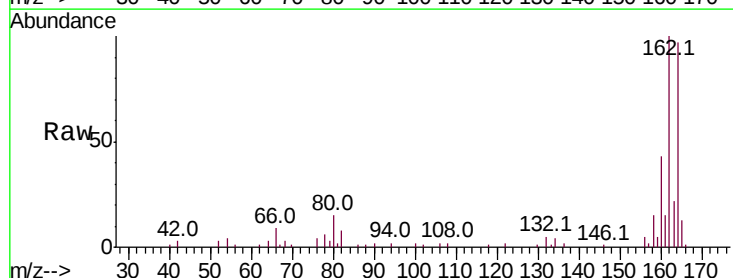
Tgt Ion:165 Resp: 7908

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

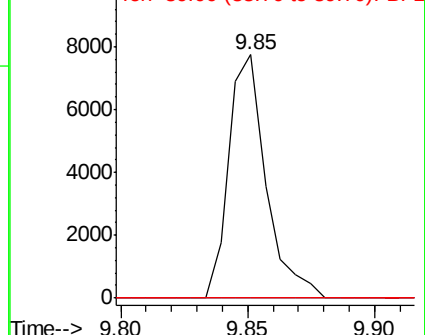
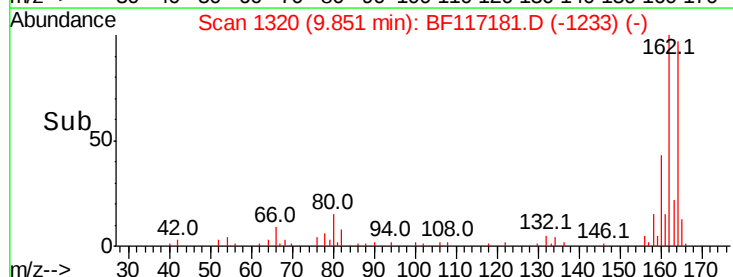
89 0.0 46.5 69.7#

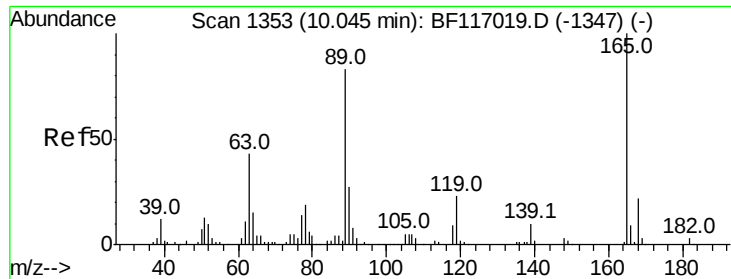


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

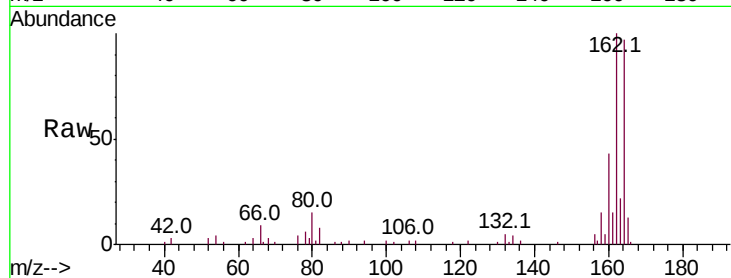




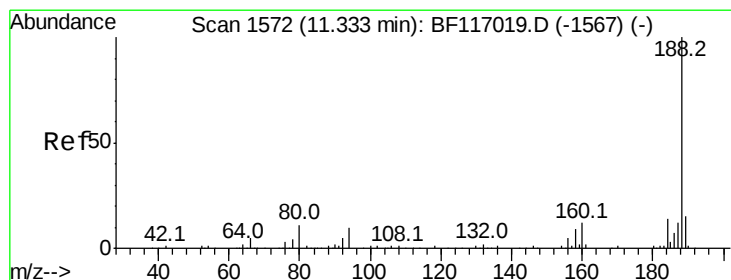
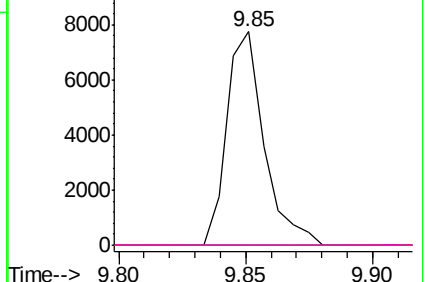
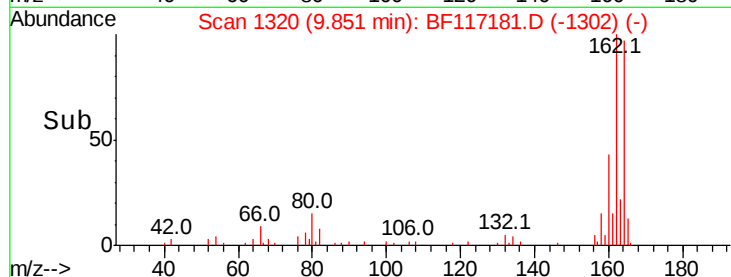
#57
 2,4-Dinitrotoluene
 Concen: 6.946 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 7908
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#

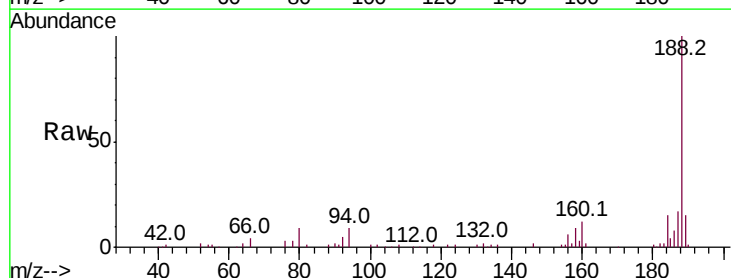


Abundance Ion 165.00 (164.70 to 165.70): E
 12000 Ion 63.00 (62.70 to 63.70): BF1
 10000 Ion 89.00 (88.70 to 89.70): BF1
 8000 Ion 182.00 (181.70 to 182.70): E

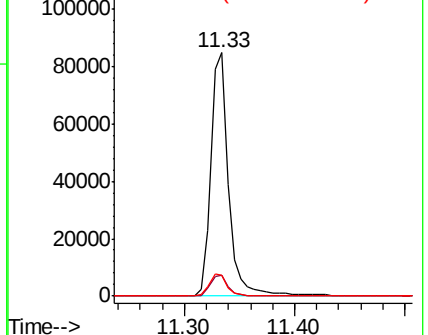
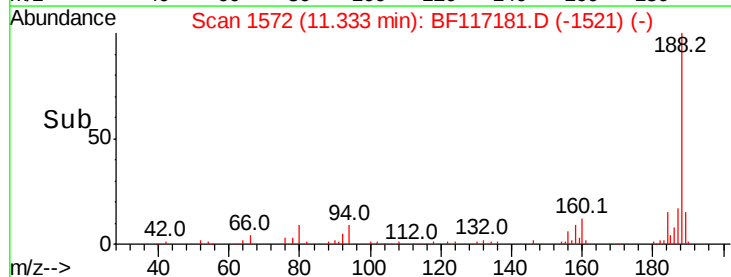


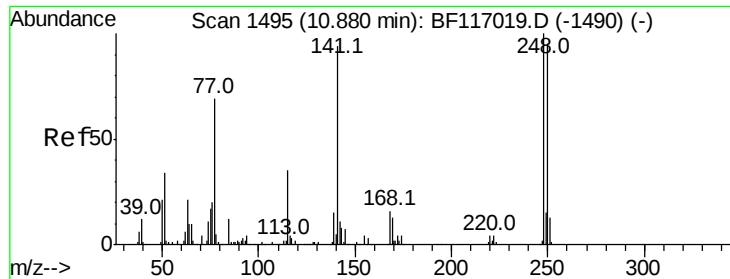
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Tgt Ion:188 Resp: 92747
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.2 12.2
 80 8.8 9.0 13.6#



Abundance Ion 188.00 (187.70 to 188.70): E
 100000 Ion 94.00 (93.70 to 94.70): BF1
 80000 Ion 80.00 (79.70 to 80.70): BF1

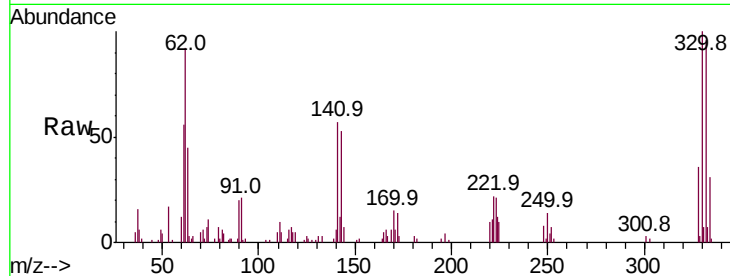




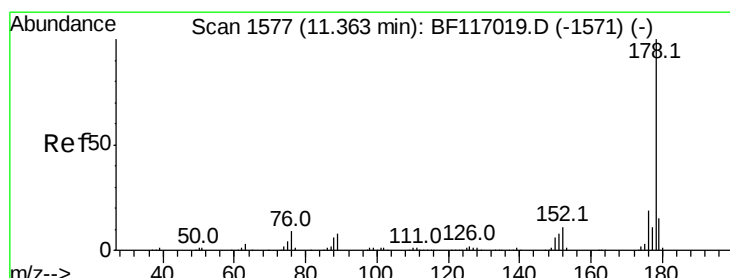
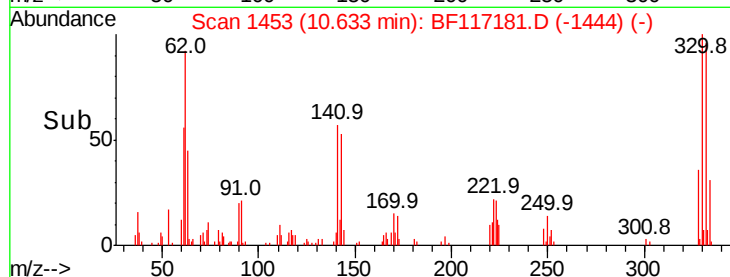
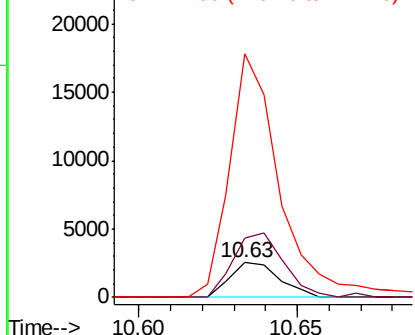
#67
 4-Bromophenyl-phenylether
 Concen: 2.916 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 2762
 Ion Ratio Lower Upper
 248 100
 250 171.3 76.2 114.4#
 141 697.3 75.0 112.4#

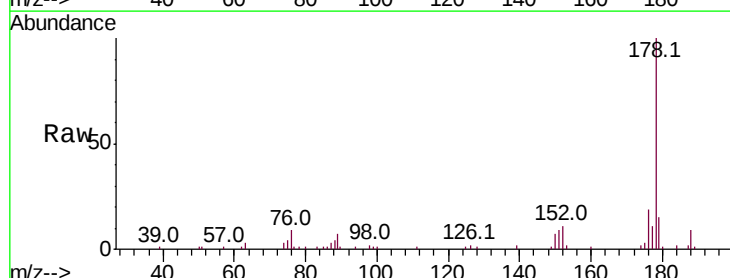


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

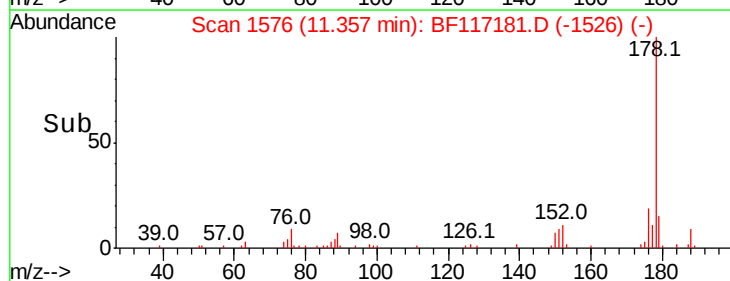
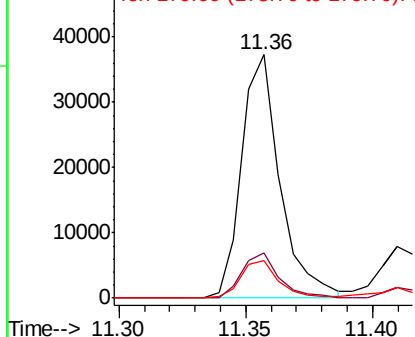


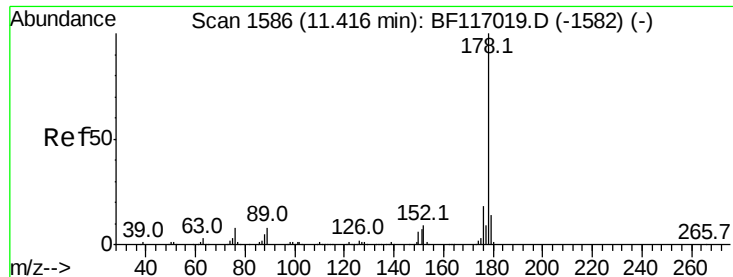
#71
 Phenanthrene
 Concen: 7.495 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Tgt Ion:178 Resp: 39482
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.3 12.4 18.6



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

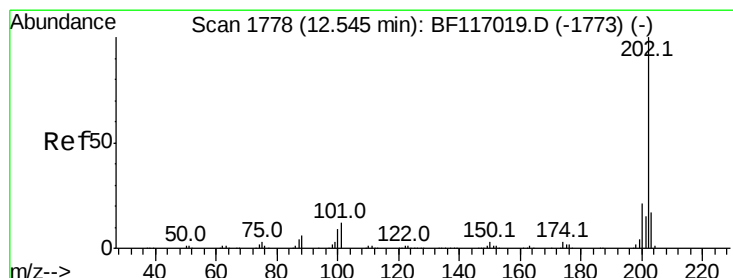
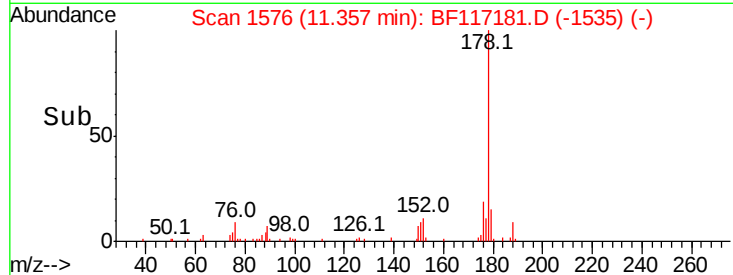
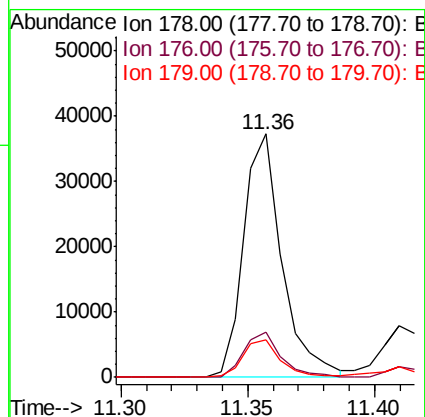
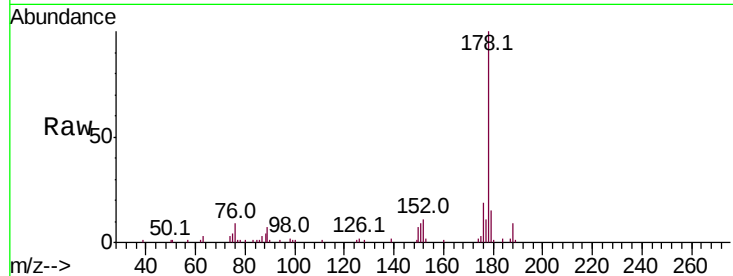




#72
 Anthracene
 Concen: 7.341 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.06 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

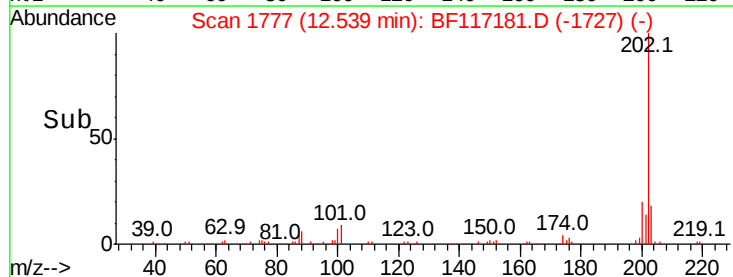
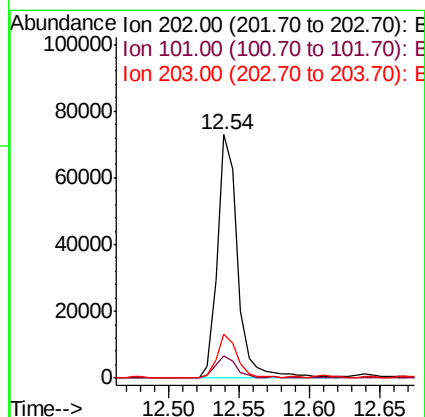
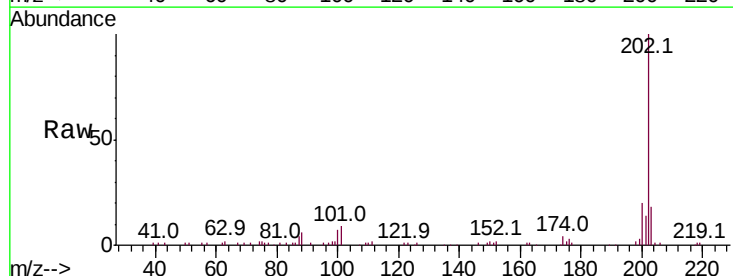
Instrument :
 BNA_F
 ClientSampleId :

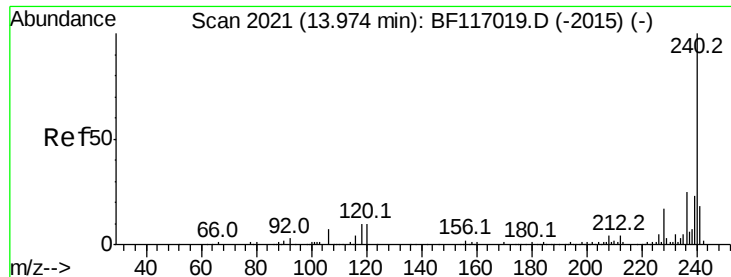
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	11.6	17.4



#75
 Fluoranthene
 Concen: 13.450 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	32.3
203	18.3	0.0	37.1

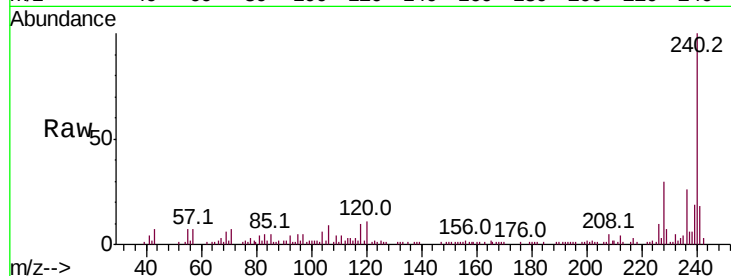




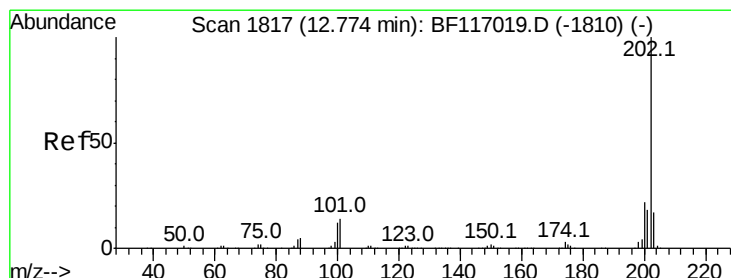
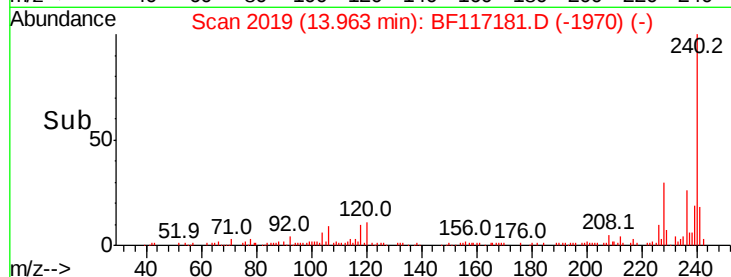
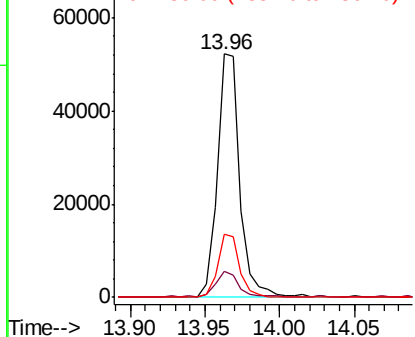
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 55059
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 26.0 20.3 30.5

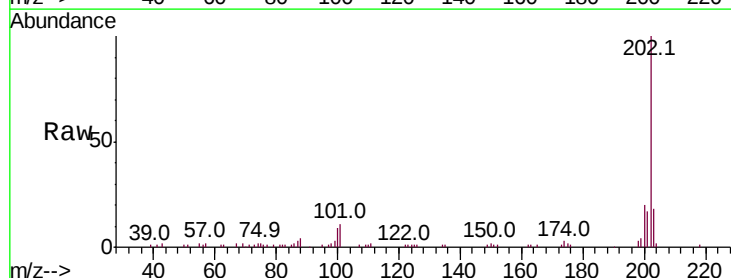


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

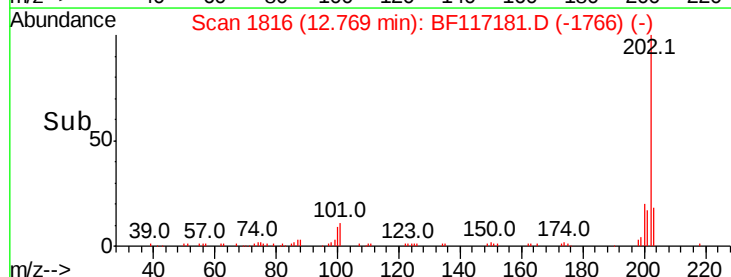
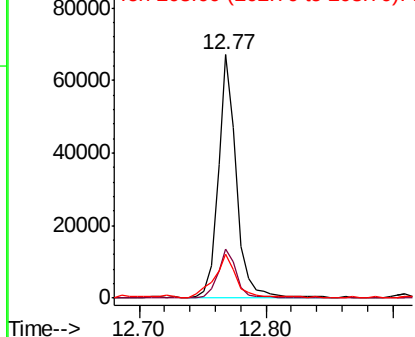


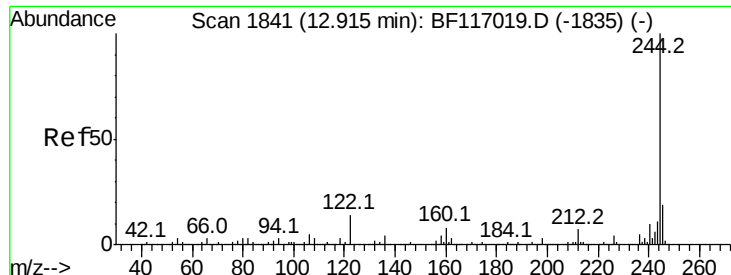
#78
Pyrene
Concen: 14.648 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Tgt Ion:202 Resp: 67672
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 18.2 14.0 21.0



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

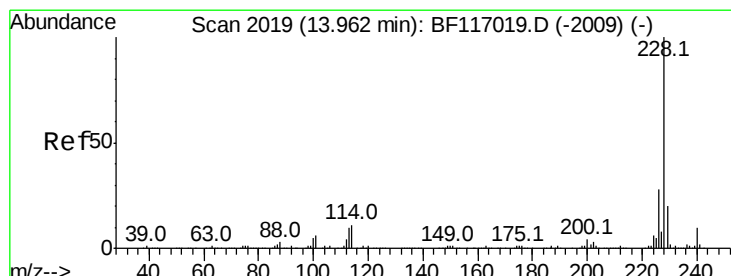
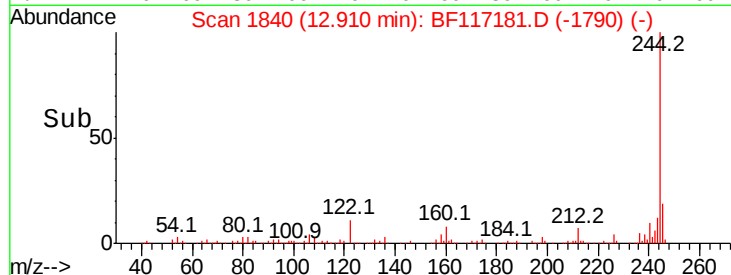
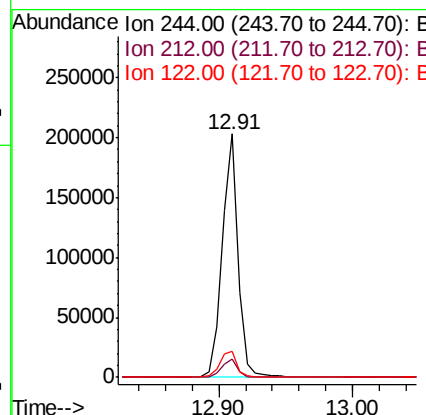
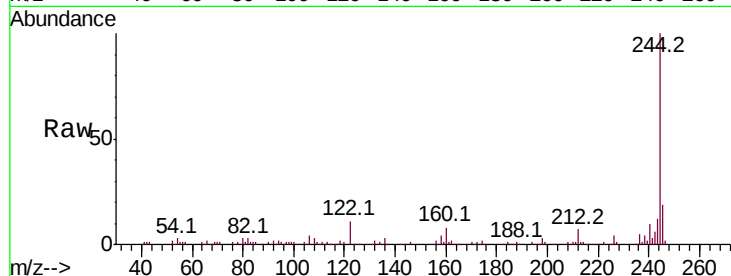




#79
 Terphenyl-d14
 Concen: 57.780 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

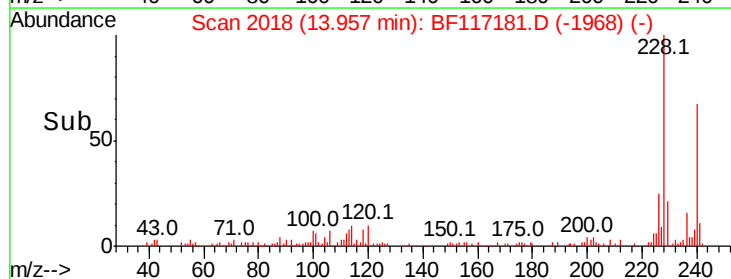
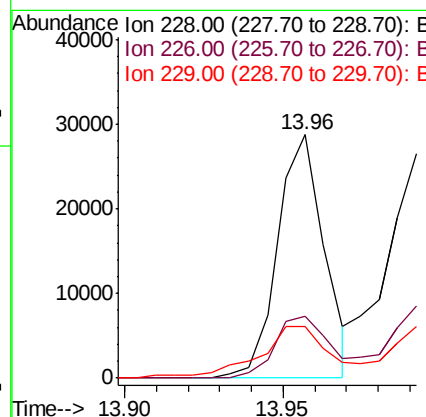
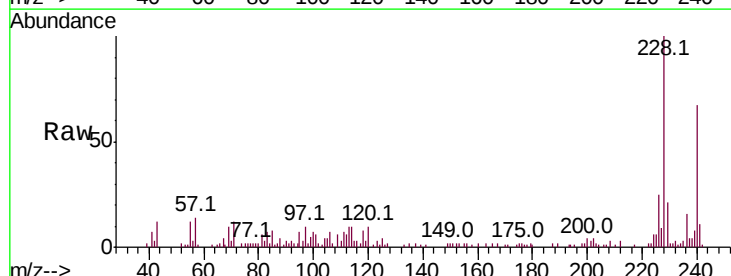
Instrument :
 BNA_F
 ClientSampleId :

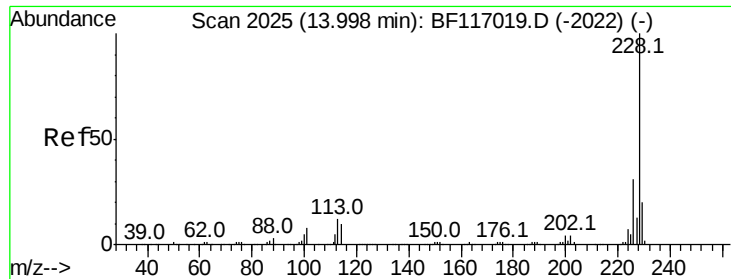
Tot Ion:244 Resp: 170195
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 10.7 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 8.024 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117181.D
 Acq: 19 Sep 2019 18:16

Tgt Ion:228 Resp: 29517
 Ion Ratio Lower Upper
 228 100
 226 25.4 22.3 33.5
 229 21.0 15.9 23.9

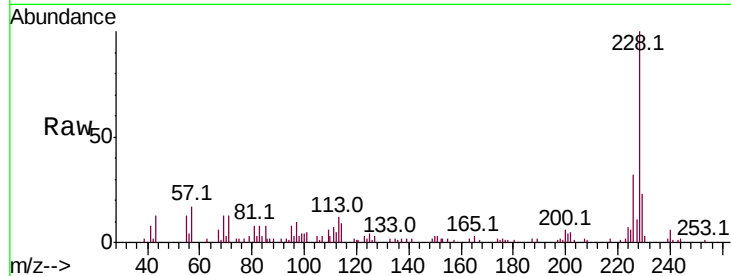




#83
Chrysene
Concen: 7.768 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.8	37.2
229	23.2	15.8	23.8

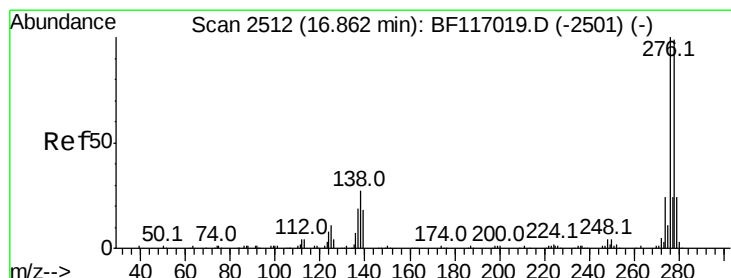
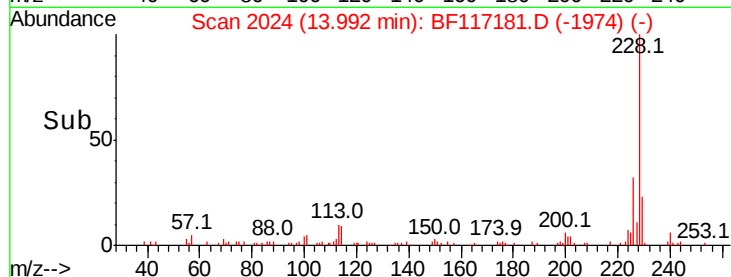
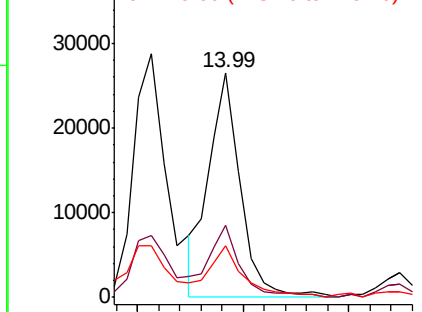


Abundance

Ion 228.00 (227.70 to 228.70): E

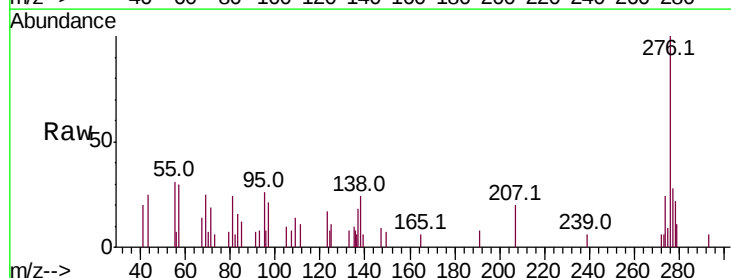
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.395 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.7	31.1
277	25.1	19.8	29.8

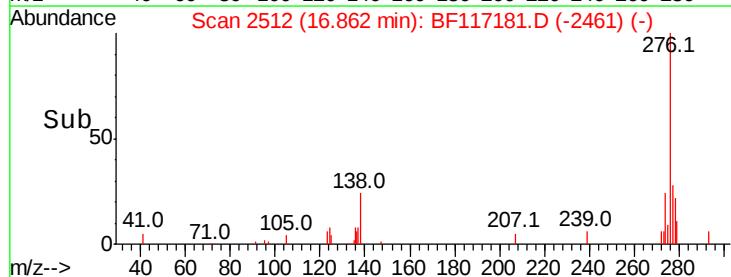
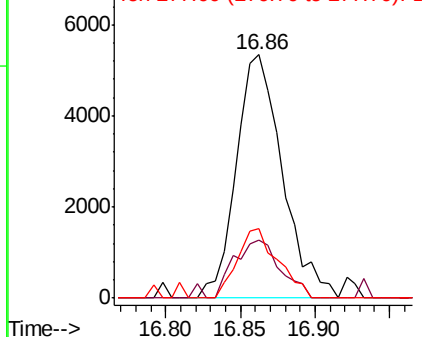


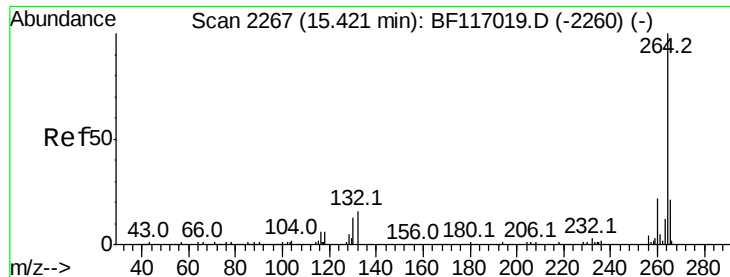
Abundance

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



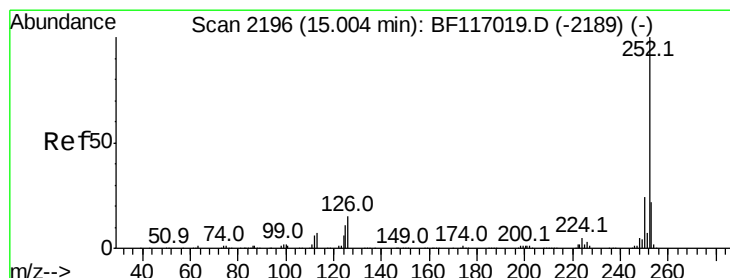
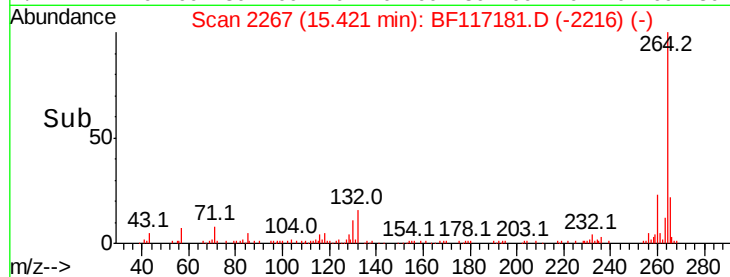
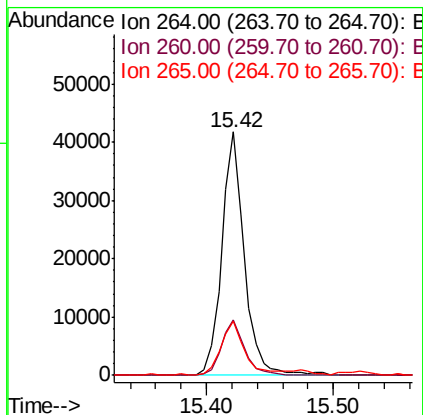
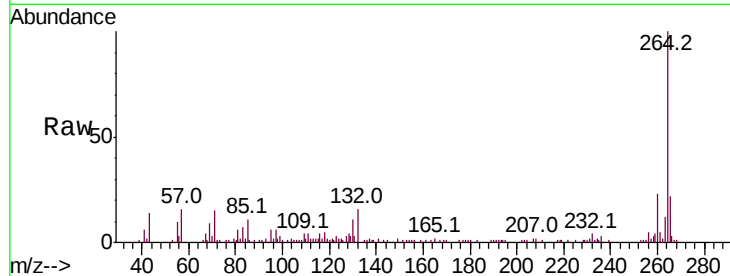


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 51294

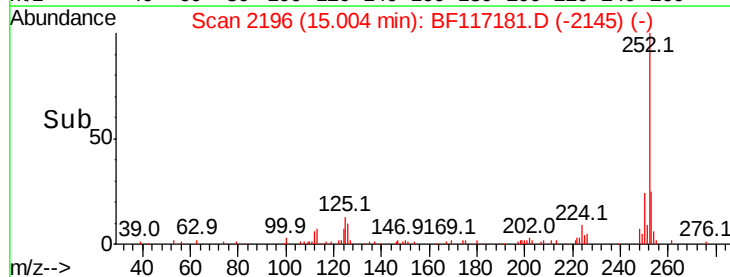
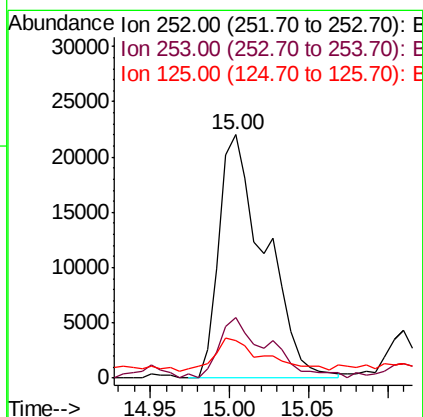
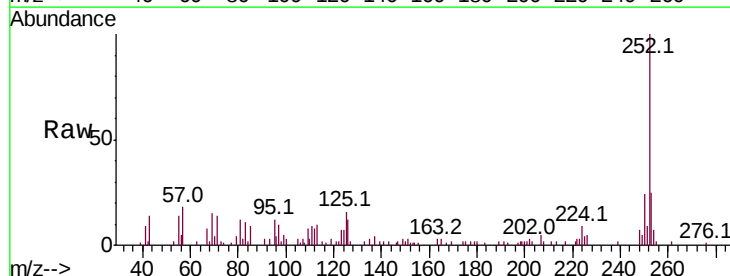
Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.6	26.4
265	22.4	16.6	24.8

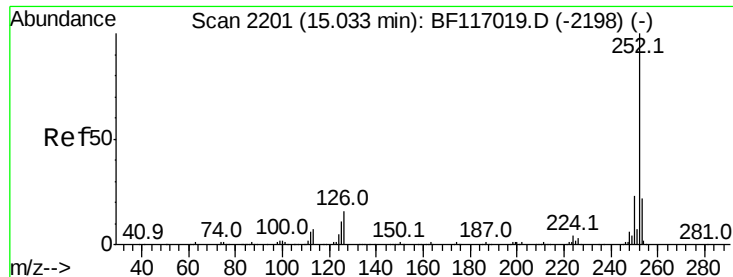


#88
Benzo(b)fluoranthene
Concen: 14.267 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Tgt Ion:252 Resp: 44330

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.6	26.4
125	15.6	8.6	12.8#

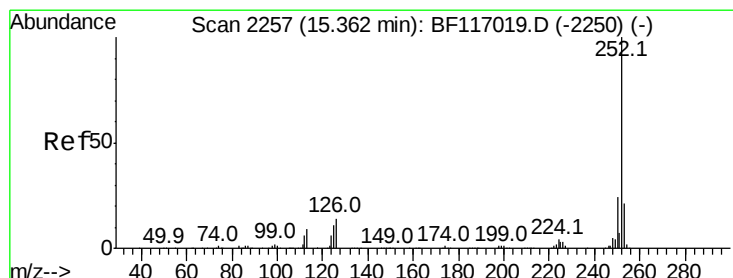
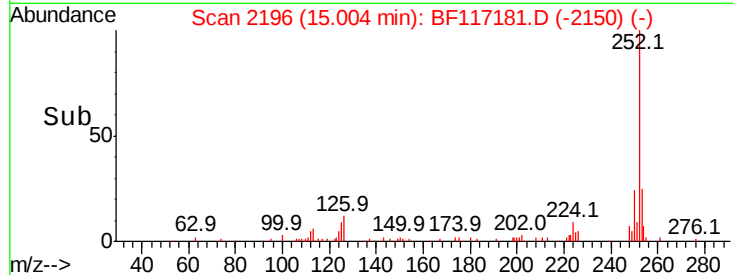
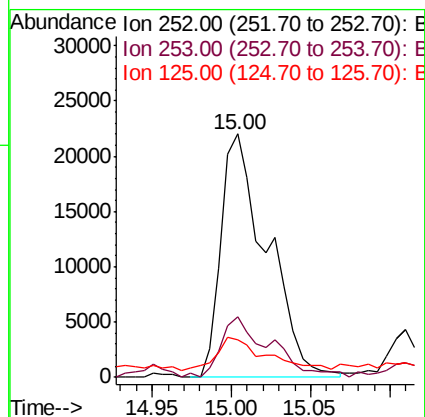
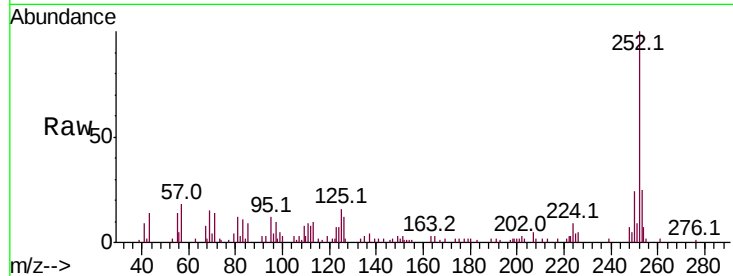




#89
Benzo(k)fluoranthene
Concen: 15.062 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

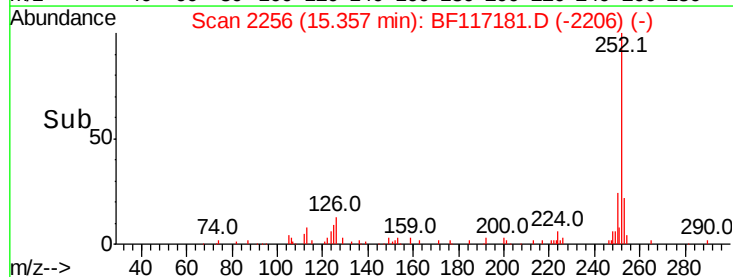
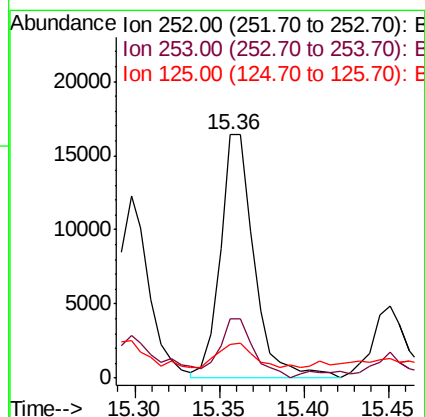
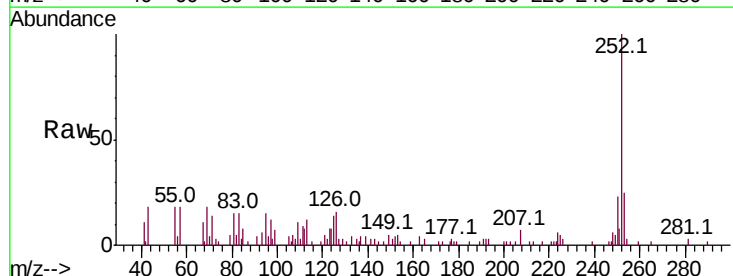
Instrument :
BNA_F
ClientSampleId :

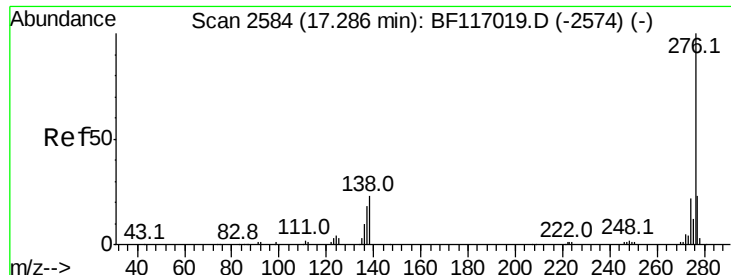
Tot Ion:252 Resp: 44330
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 15.6 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 8.423 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117181.D
Acq: 19 Sep 2019 18:16

Tgt Ion:252 Resp: 22966
Ion Ratio Lower Upper
252 100
253 24.6 16.6 25.0
125 13.8 8.9 13.3#





#92

Benzo(a,h,i)perylene

Concen: 4.750 ng

RT: 17.30 min Scan# 2586

Delta R.T. 0.01 min

Lab File: BF117181.D

Acq: 19 Sep 2019 18:16

Instrument :

BNA_F

ClientSampleId :

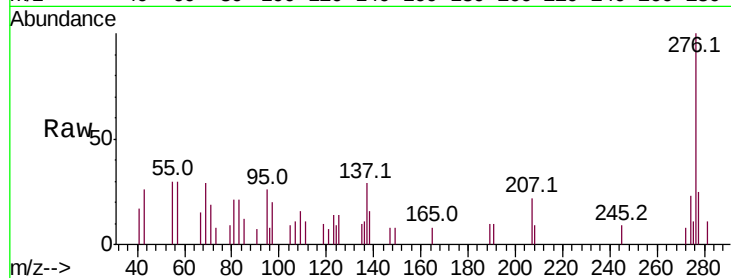
Tot Ion:276 Resp: 10281

Ion Ratio Lower Upper

276 100

277 24.8 18.6 27.8

138 16.2 18.0 27.0#



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

