

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117872.D
 Acq On : 19 Nov 2019 21:03
 Operator : JU
 Sample : K5865-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:32:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	174304	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	682369	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	352687	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	570712	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	432893	20.00	ng	-0.01
87) Perylene-d12	15.62	264	436028	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1423	0.14	ng	-0.01
7) Phenol-d6	6.52	99	50543	4.26	ng	-0.02
23) Nitrobenzene-d5	7.47	82	589472	51.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	152	0.04	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	1157145	58.86	ng	-0.01
79) Terphenyl-d14	13.04	244	1156350	48.82	ng	-0.01

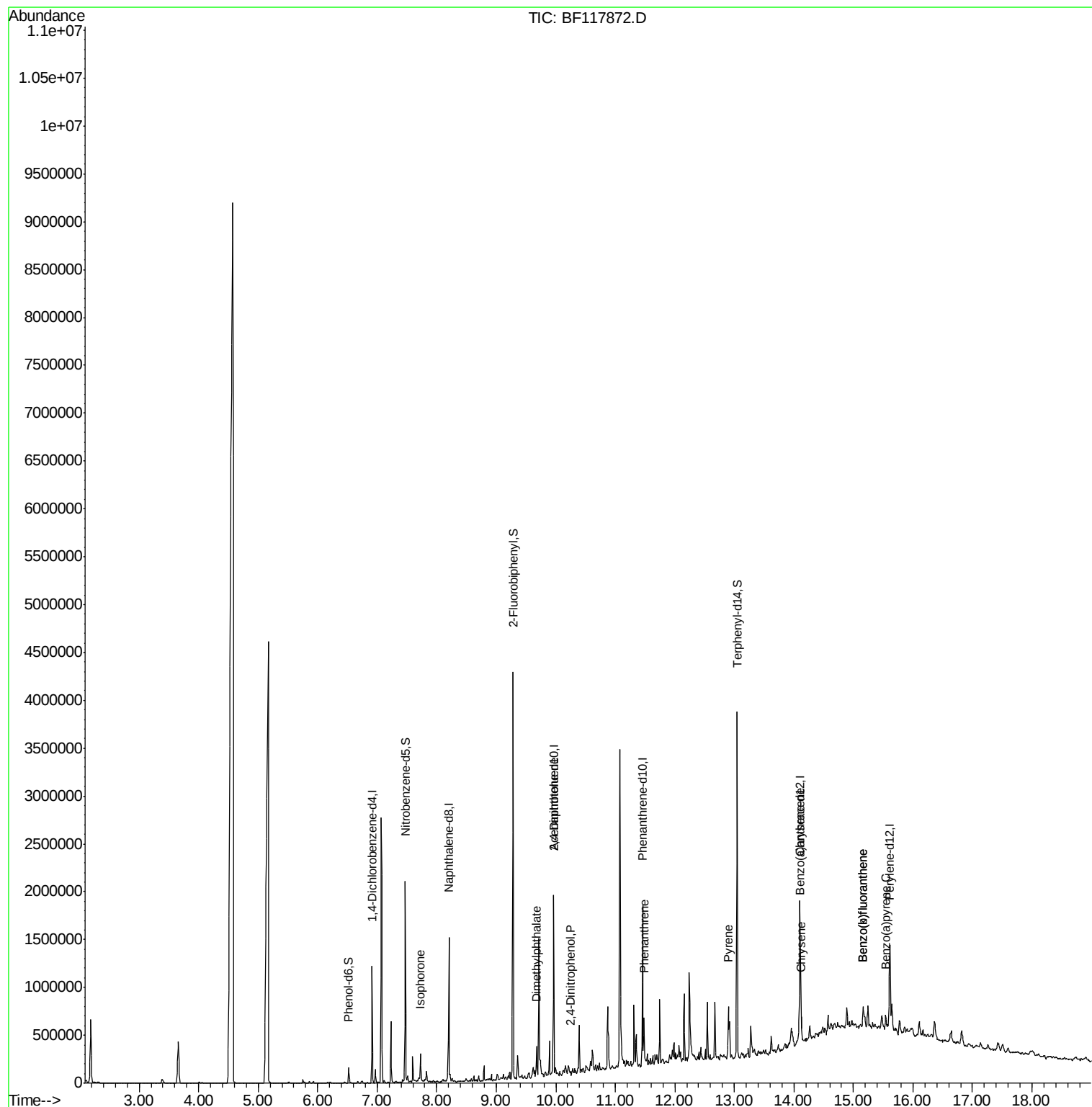
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	724	Below Cal		# 78
25) Isophorone	7.73	82	84564	4.019	ng	97
50) Dimethylphthalate	9.67	163	91491	3.699	ng	# 96
54) 2,4-Dinitrophenol	10.26	184	120	7.264	ng	# 44
57) 2,4-Dinitrotoluene	9.96	165	49303	7.171	ng	# 25
71) Phenanthrene	11.48	178	161330	5.623	ng	96
78) Pyrene	12.90	202	209744	5.995	ng	98
81) Benzo(a)anthracene	14.09	228	108288	3.785	ng	98
83) Chrysene	14.13	228	94785	3.419	ng	95
88) Benzo(b)fluoranthene	15.16	252	150850	5.325	ng	# 90
89) Benzo(k)fluoranthene	15.16	252	150850	5.651	ng	# 88
90) Benzo(a)pyrene	15.54	252	69758	2.800	ng	# 94

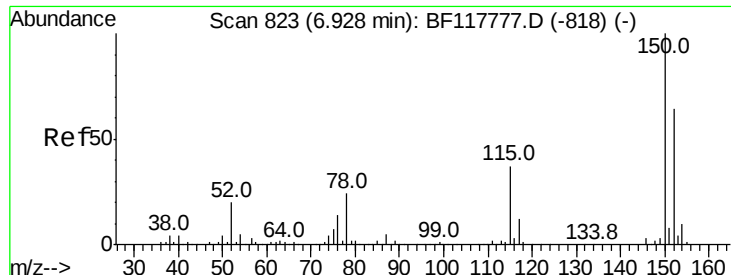
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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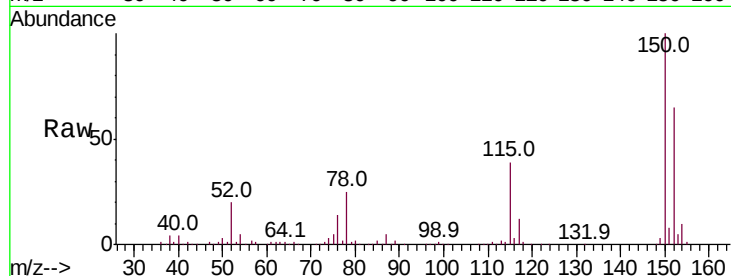


#1

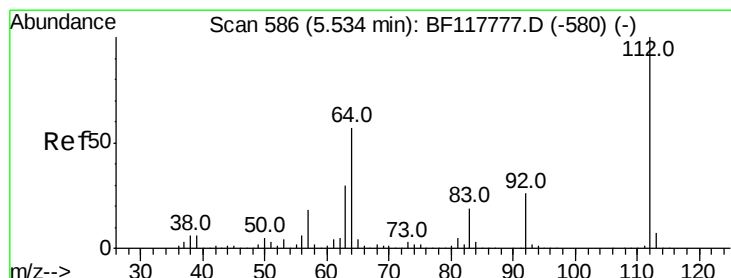
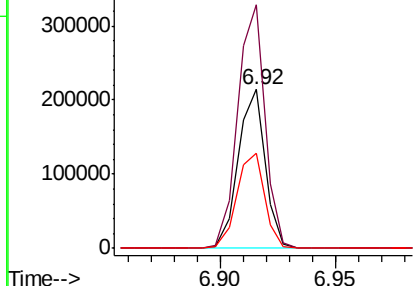
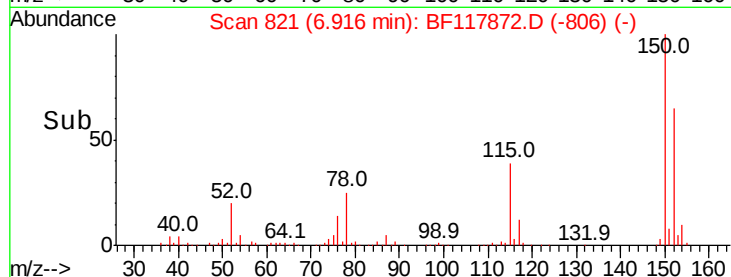
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174304
Ion Ratio Lower Upper
152 100
150 153.5 125.3 187.9
115 60.1 47.0 70.4



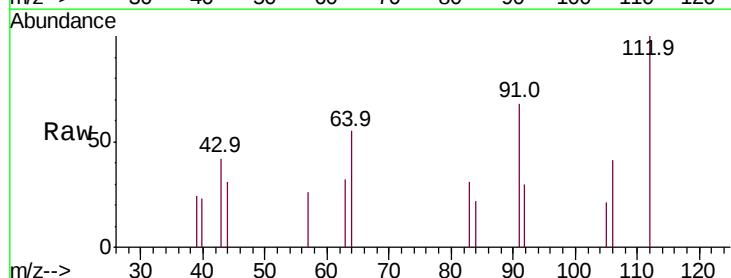
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



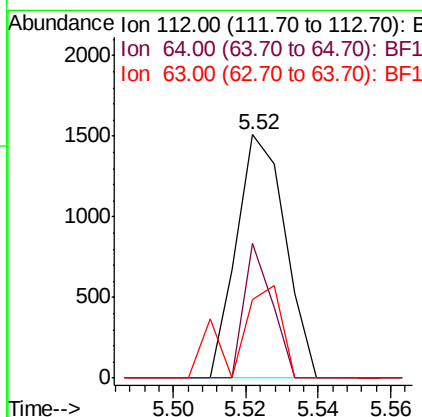
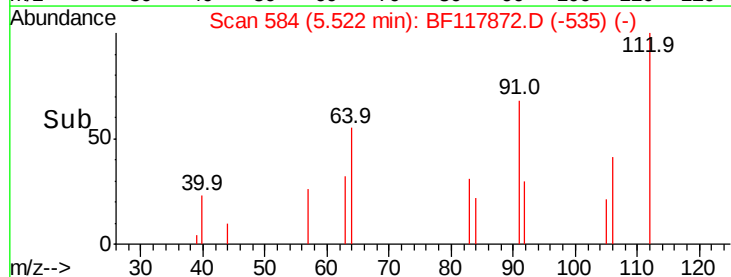
#5

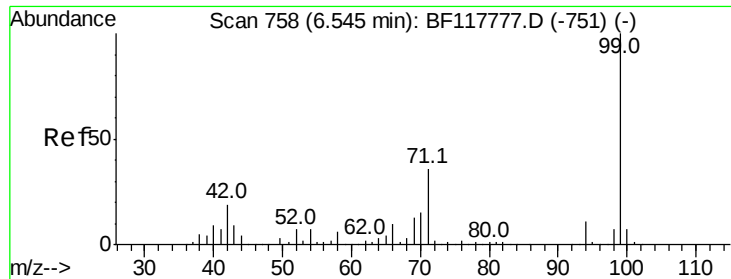
2-Fluorophenol
Concen: 0.145 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Tgt Ion:112 Resp: 1423
Ion Ratio Lower Upper
112 100
64 55.2 45.6 68.4
63 32.1 24.1 36.1



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: 4.255 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Instrument :

BNA_F

ClientSampleId :

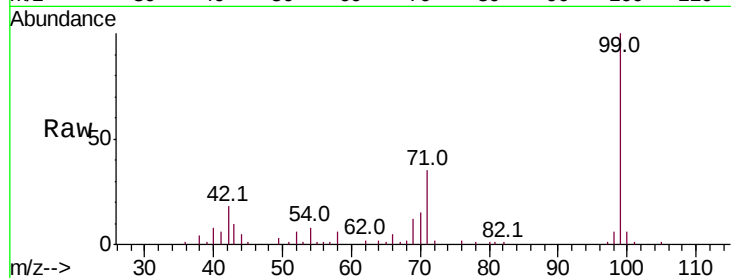
Tot Ion: 99 Resp: 50543

Ion Ratio Lower Upper

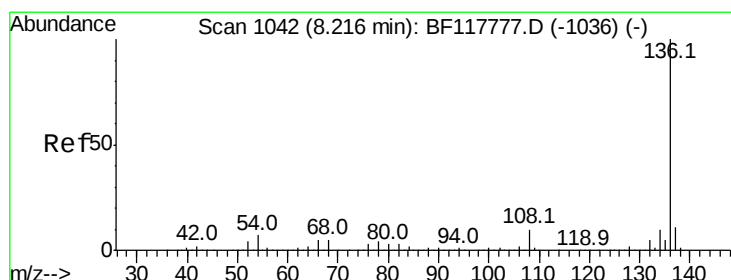
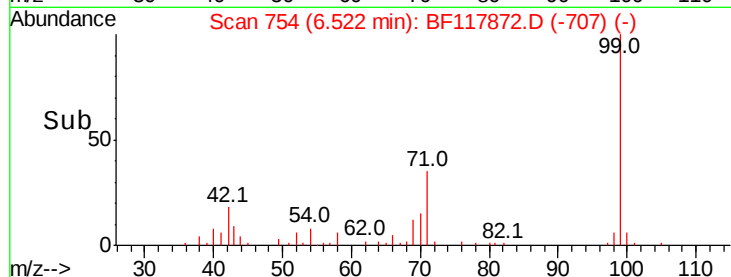
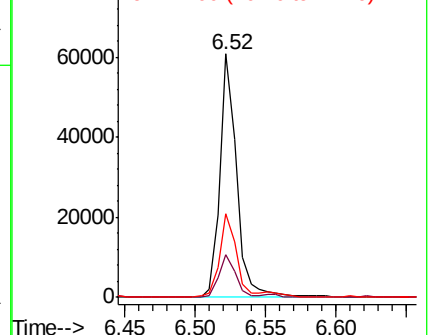
99 100

42 17.6 14.9 22.3

71 34.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Tgt Ion: 136 Resp: 682369

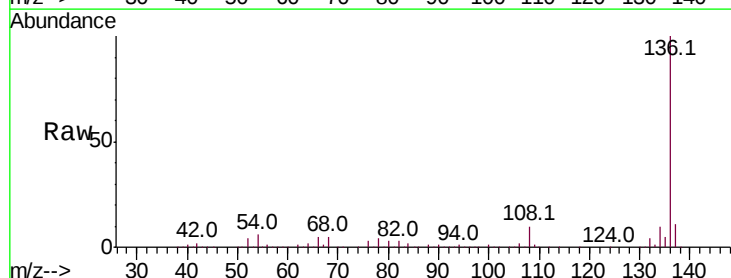
Ion Ratio Lower Upper

136 100

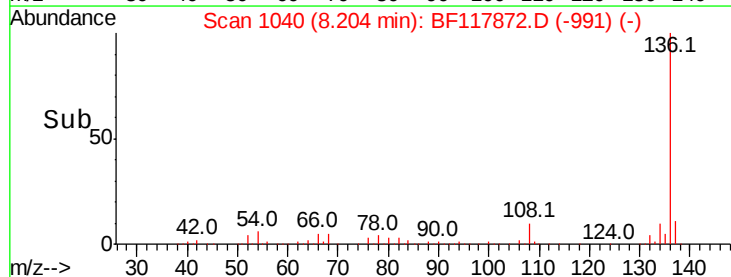
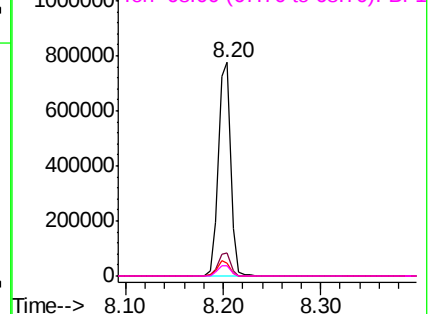
137 10.7 9.0 13.4

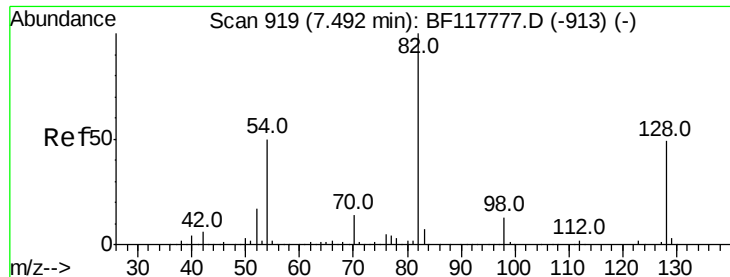
54 6.3 5.4 8.2

68 4.7 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

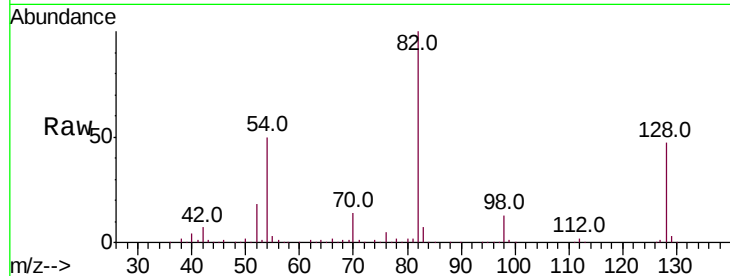




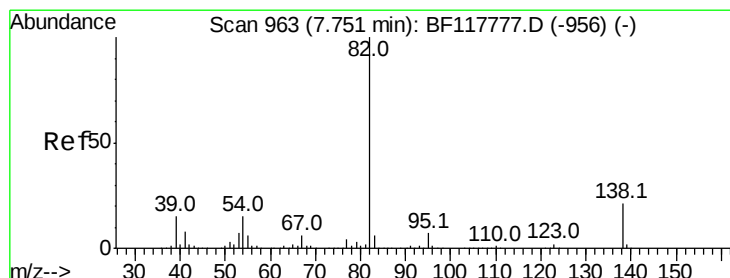
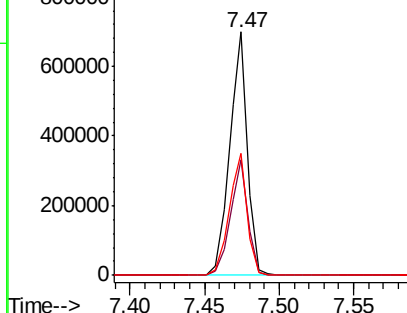
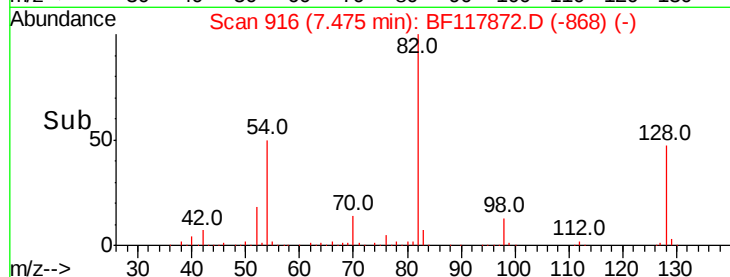
#23
Nitrobenzene-d5
Concen: 51.353 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.9	58.3
54	50.1	39.8	59.6

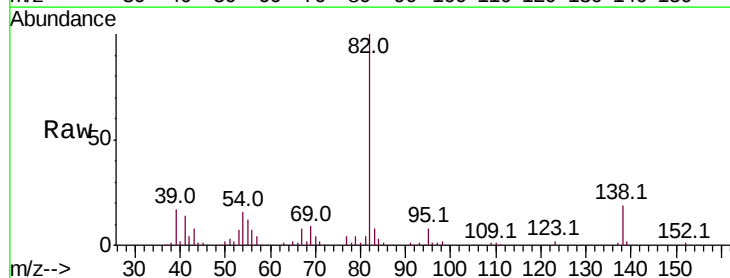


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

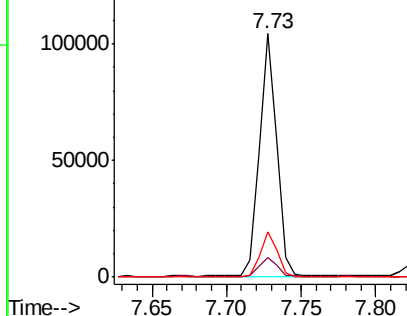
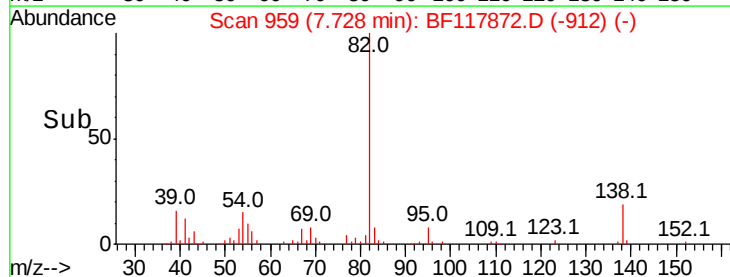


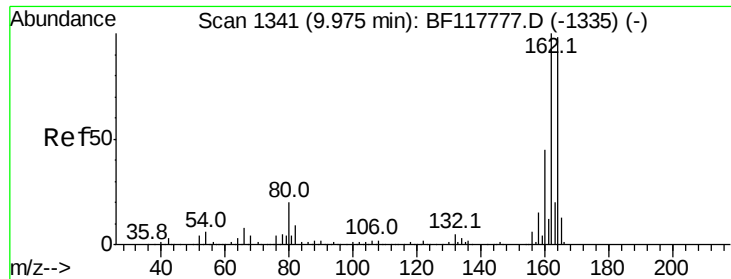
#25
Isophorone
Concen: 4.019 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	18.8	16.5	24.7



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

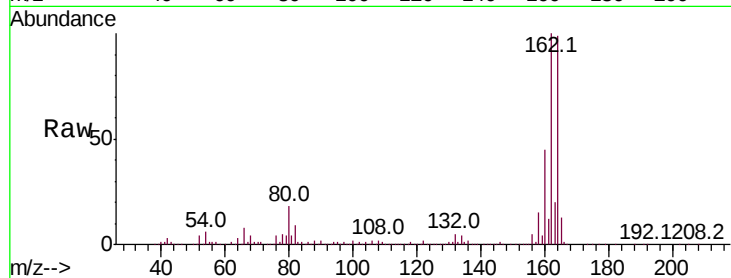




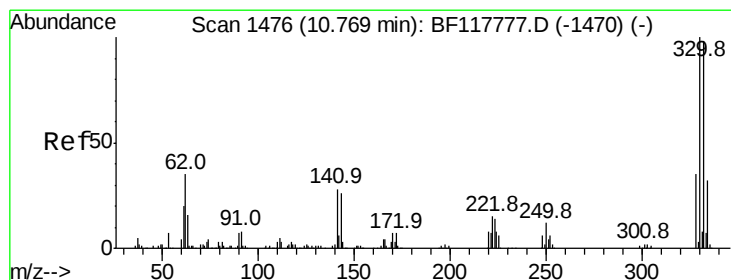
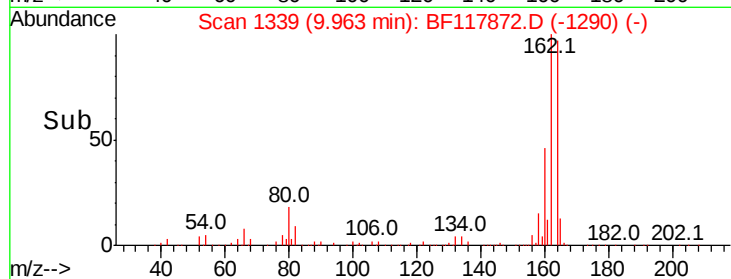
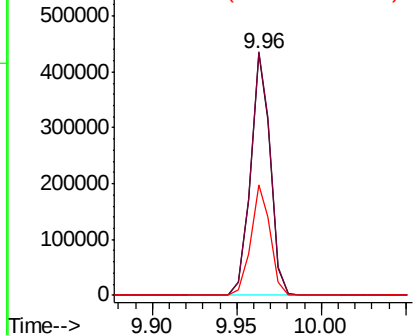
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 352687
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.3 121.9
 160 45.7 36.6 55.0

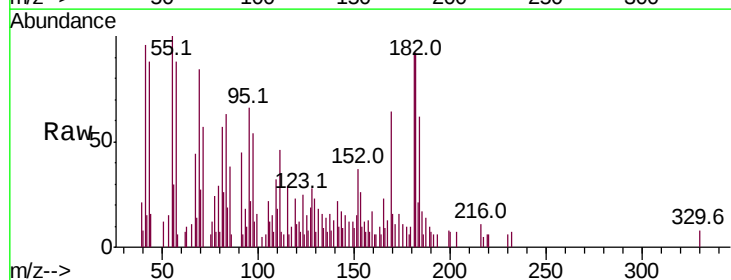


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

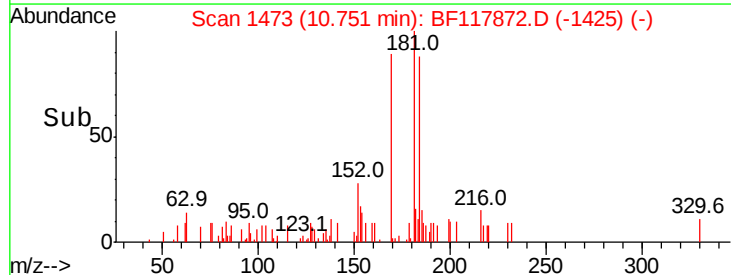
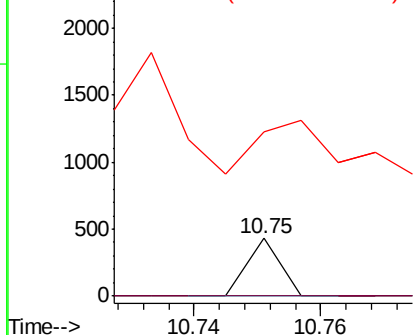


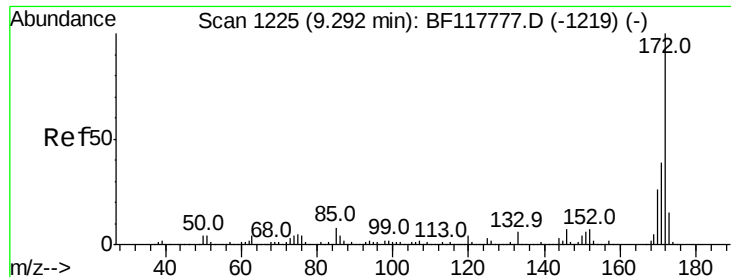
#42
 2,4,6-Tribromophenol
 Concen: 0.041 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

Tgt Ion:330 Resp: 152
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.7 115.1#
 141 228.3 27.7 41.5#



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

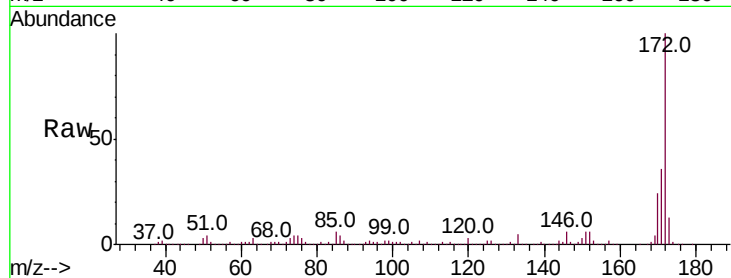




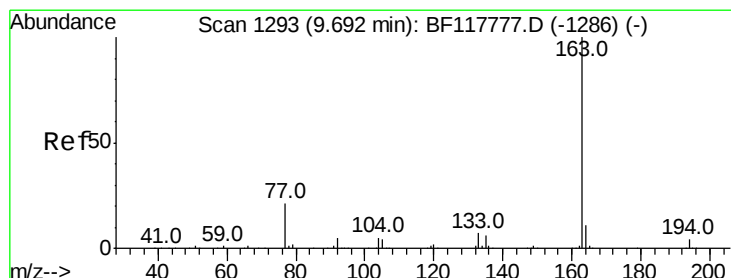
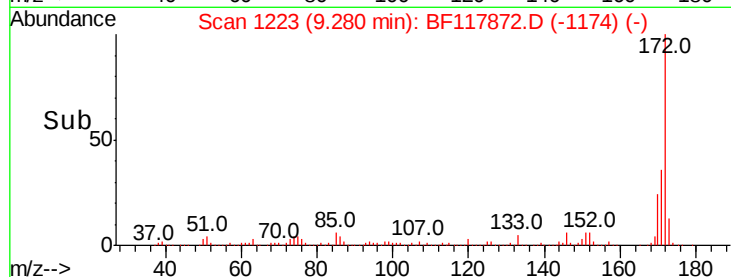
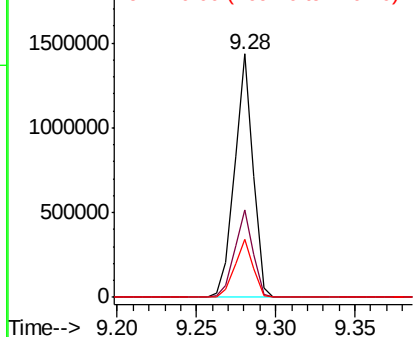
#45
2-Fluorobiphenyl
Concen: 58.861 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1157145
Ion Ratio Lower Upper
172 100
171 36.1 30.9 46.3
170 24.0 21.0 31.4

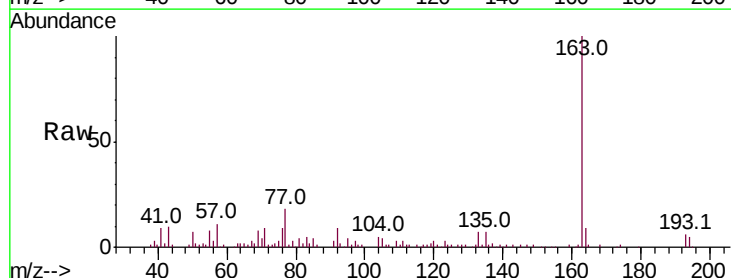


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

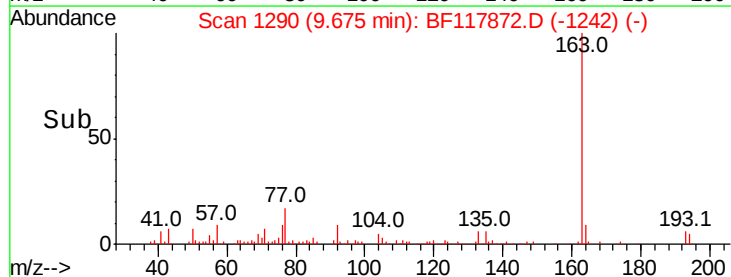
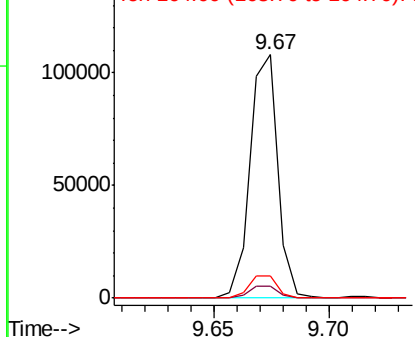


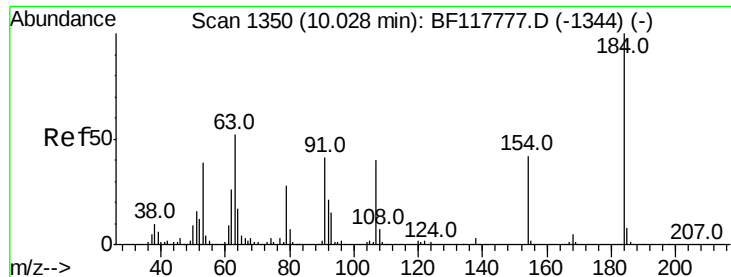
#50
Dimethylphthalate
Concen: 3.699 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Tgt Ion:163 Resp: 91491
Ion Ratio Lower Upper
163 100
194 5.0 3.3 4.9#
164 9.3 8.7 13.1



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

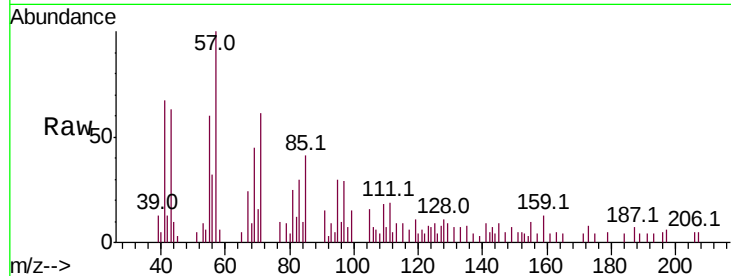




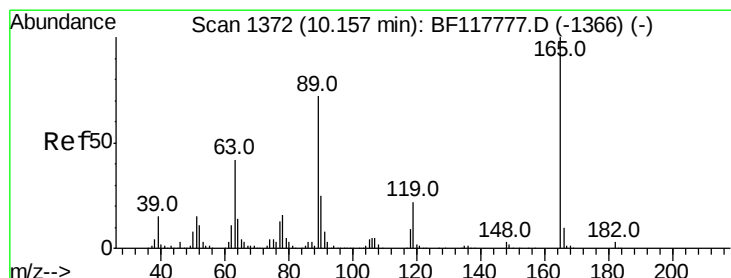
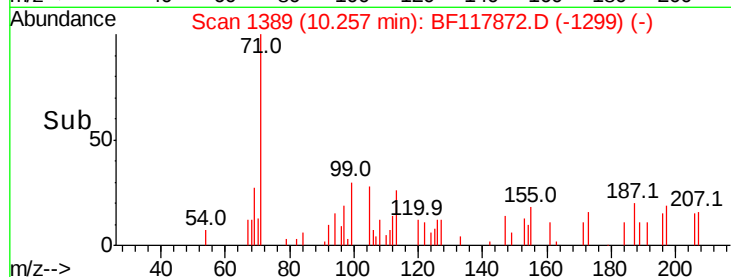
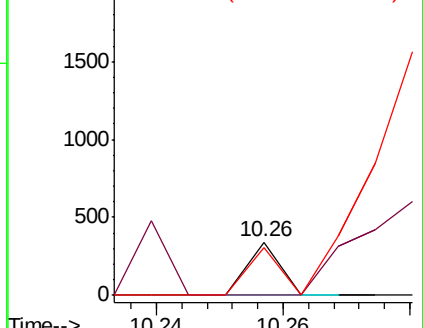
#54
2,4-Dinitrophenol
Concen: 7.264 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.23 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 120
Ion Ratio Lower Upper
184 100
63 0.0 43.0 64.6#
154 89.4 48.0 72.0#

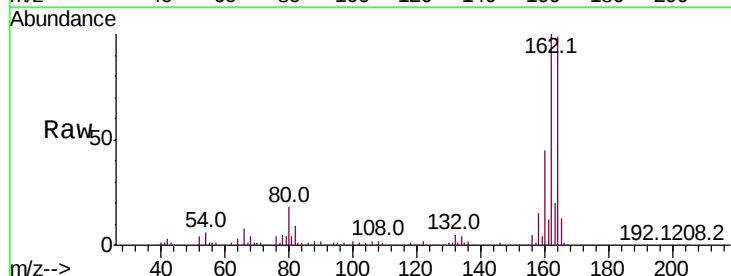


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

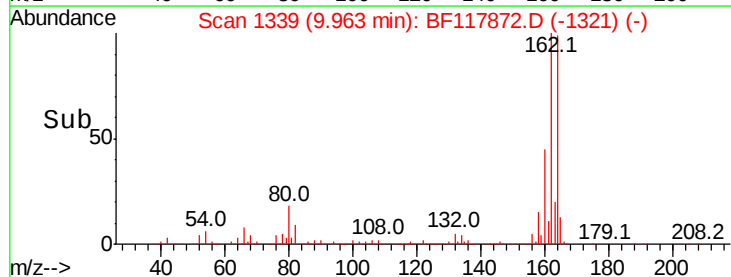
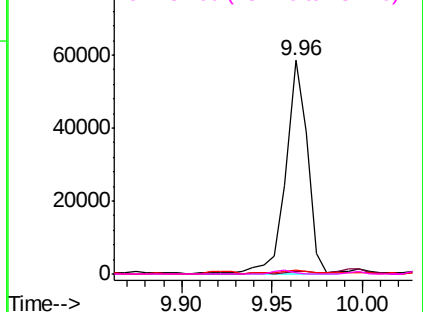


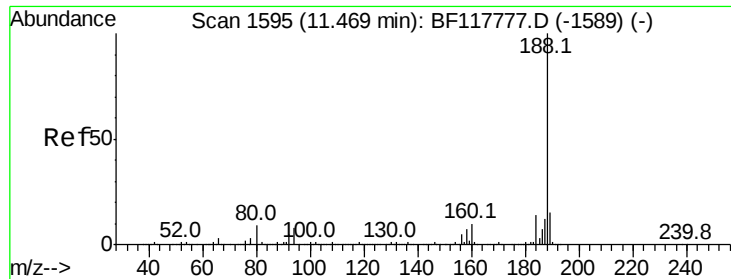
#57
2,4-Dinitrotoluene
Concen: 7.171 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Tgt Ion:165 Resp: 49303
Ion Ratio Lower Upper
165 100
63 1.4 33.7 50.5#
89 1.7 57.3 85.9#
182 0.5 2.3 3.5#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Instrument :

BNA_F

ClientSampleId :

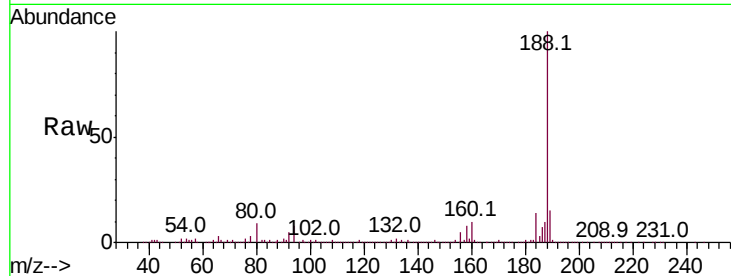
Tot Ion:188 Resp: 570712

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

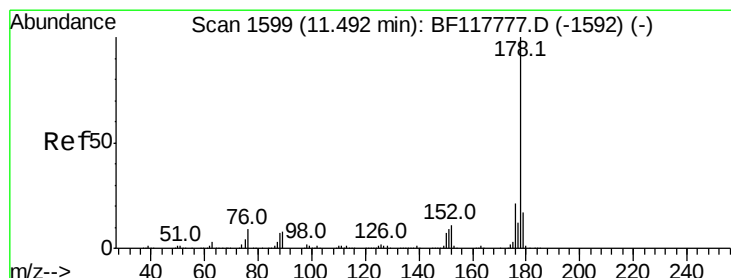
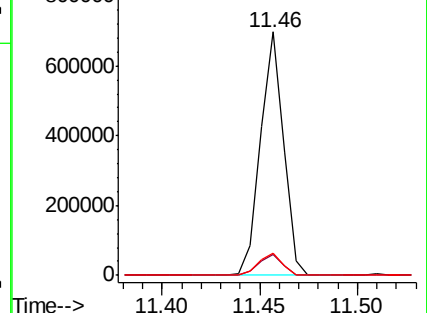
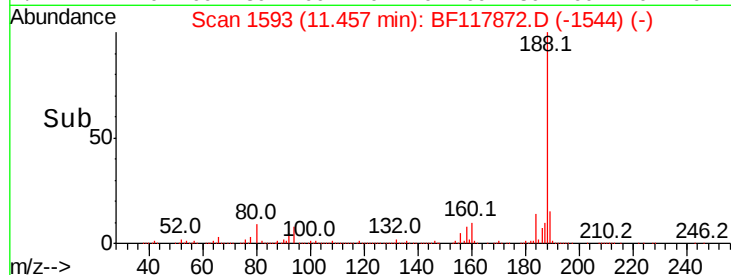
80 8.9 7.2 10.8



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



#71

Phenanthrene

Concen: 5.623 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

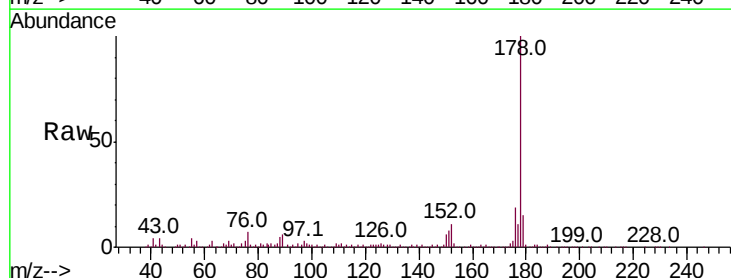
Tgt Ion:178 Resp: 161330

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

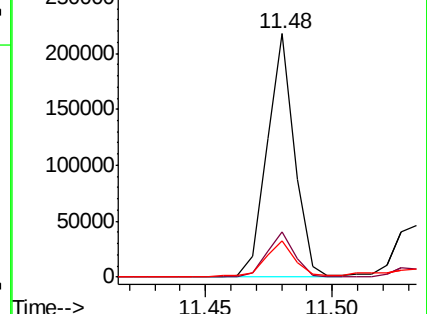
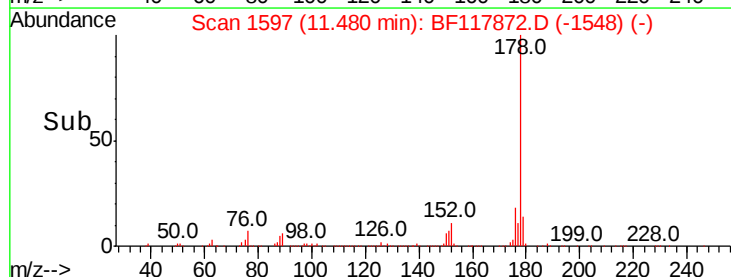
179 14.8 13.2 19.8

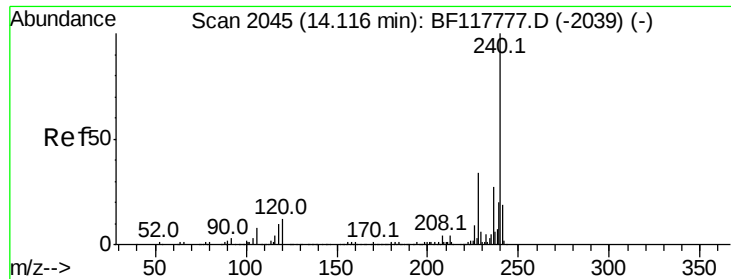


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

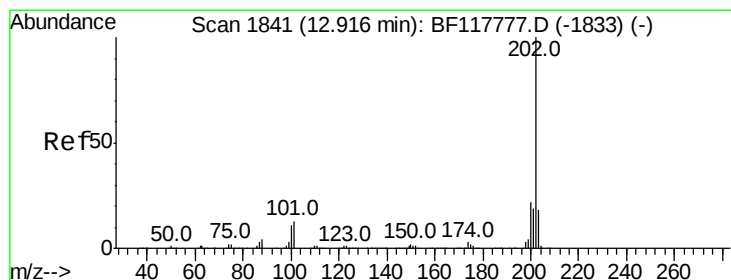
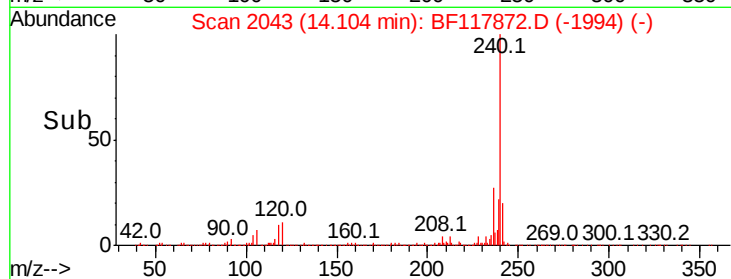
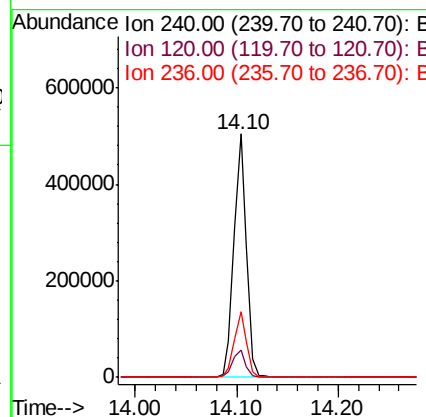
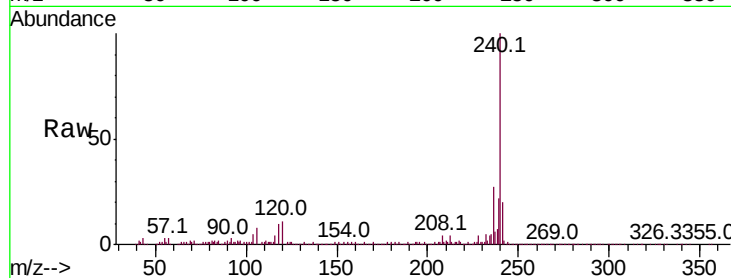




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

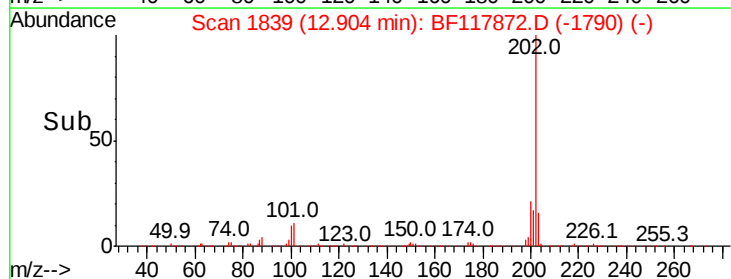
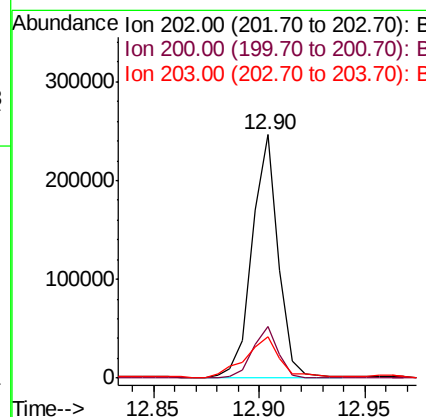
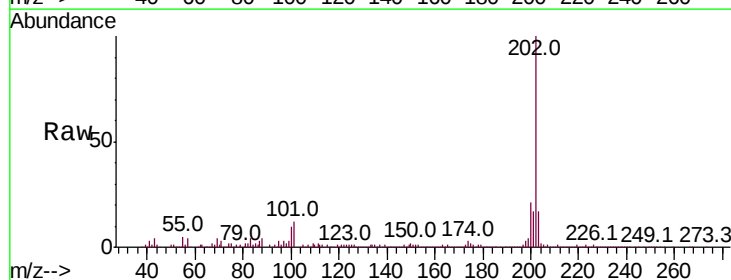
Instrument :
 BNA_F
 ClientSampleId :

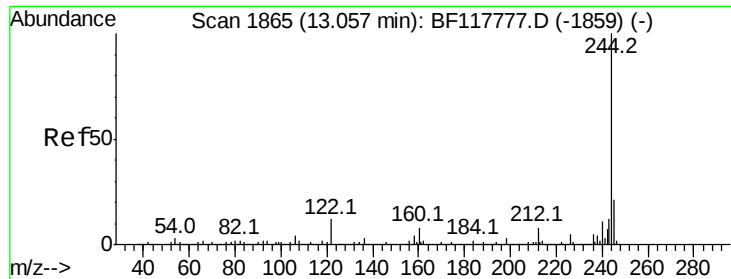
Tot Ion:240 Resp: 432893
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.5 14.3
 236 27.1 21.3 31.9



#78
 Pyrene
 Concen: 5.995 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

Tgt Ion:202 Resp: 209744
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.8 26.8
 203 16.9 14.6 22.0



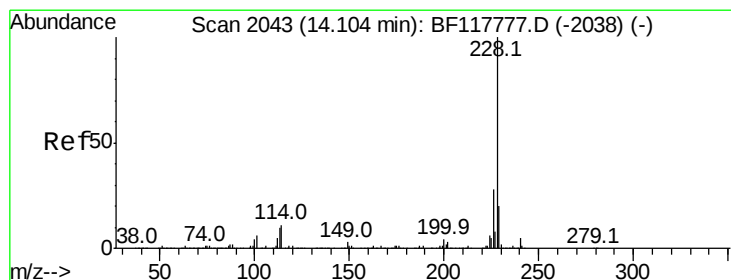
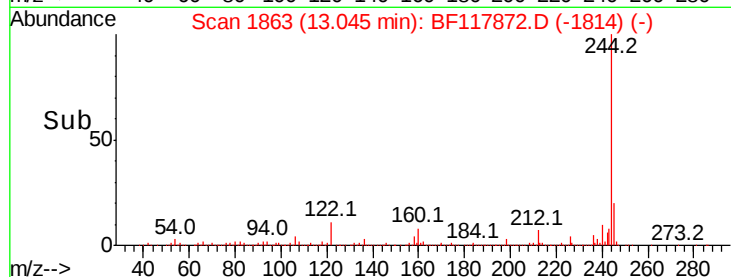
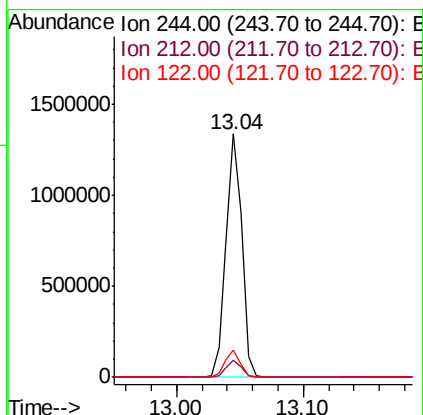
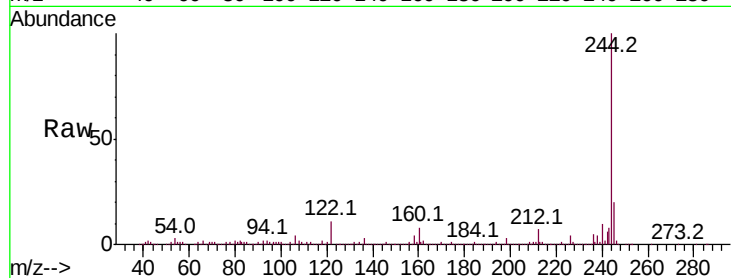


#79
 Terphenyl-d14
 Concen: 48.819 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1156350

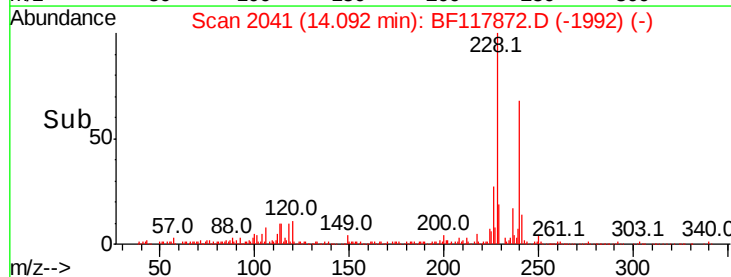
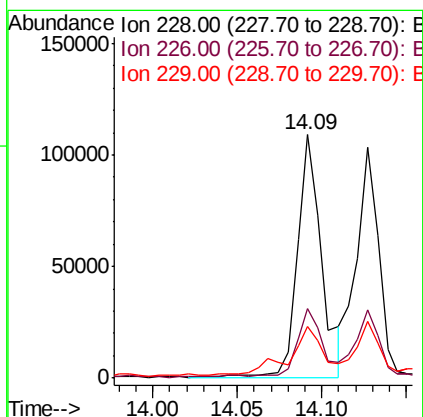
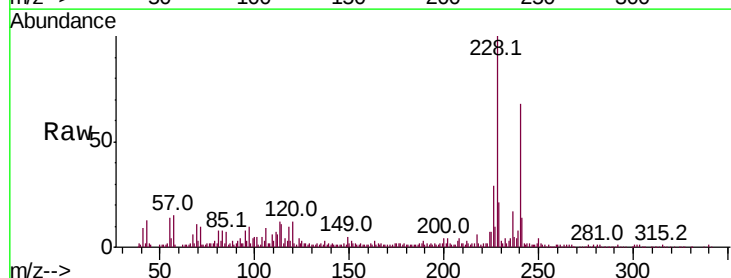
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	11.3	9.4	14.2

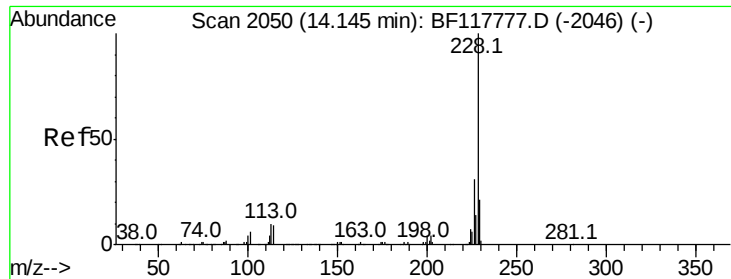


#81
 Benzo(a)anthracene
 Concen: 3.785 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117872.D
 Acq: 19 Nov 2019 21:03

Tgt Ion:228 Resp: 108288

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	21.0	15.9	23.9

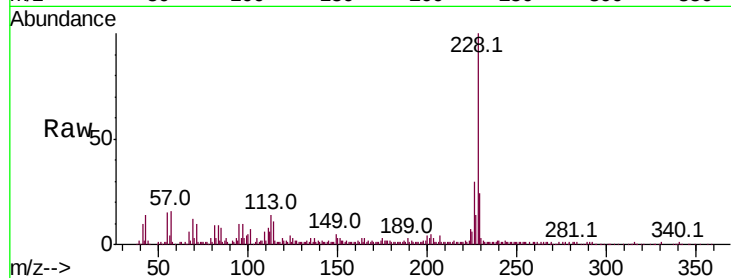




#83
Chrysene
Concen: 3.419 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.4
229	24.3	16.6	25.0

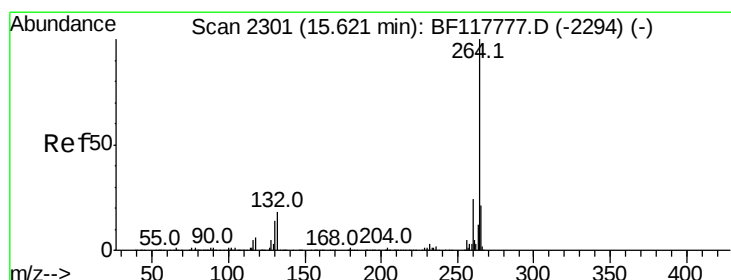
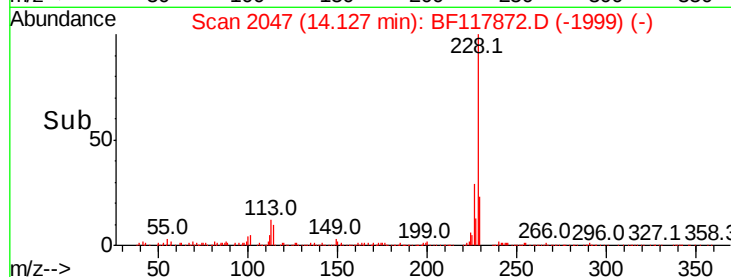
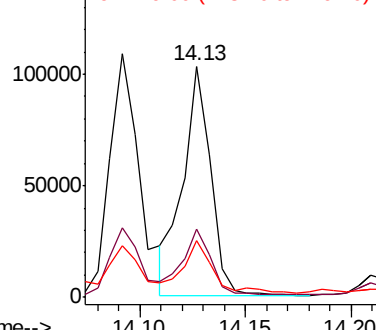


Abundance

Ion 228.00 (227.70 to 228.70): E

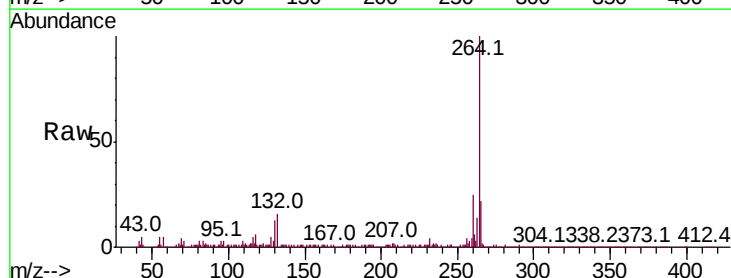
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117872.D
Acq: 19 Nov 2019 21:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	21.8	17.1	25.7

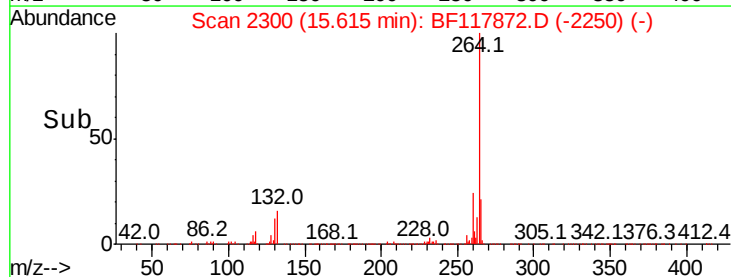
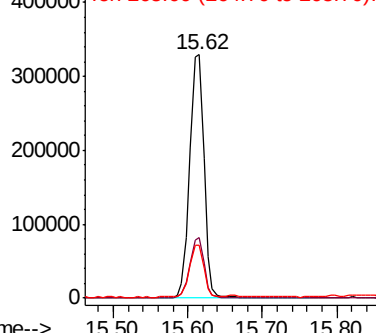


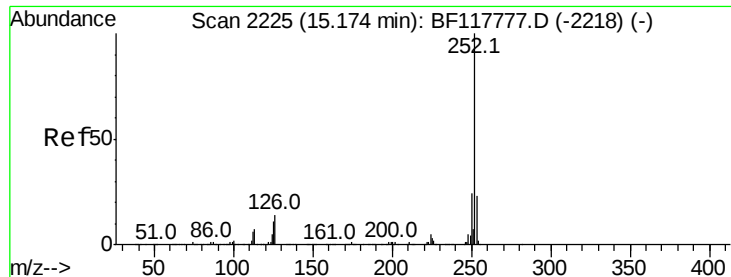
Abundance

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: 5.325 ng

RT: 15.16 min Scan# 2223

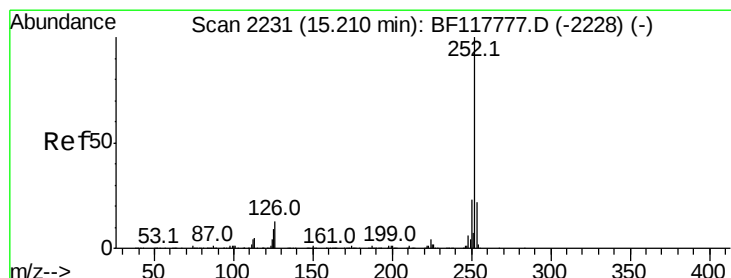
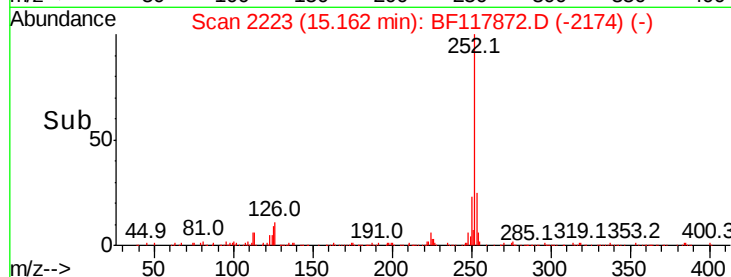
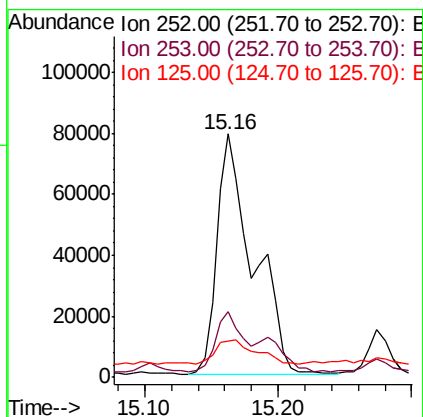
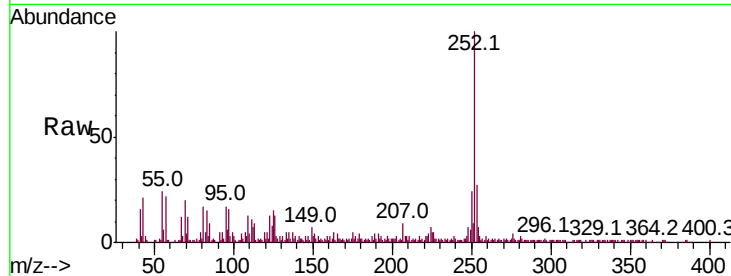
Delta R.T. -0.01 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0
125	15.1	8.6	13.0#



#89

Benzo(k)fluoranthene

Concen: 5.651 ng

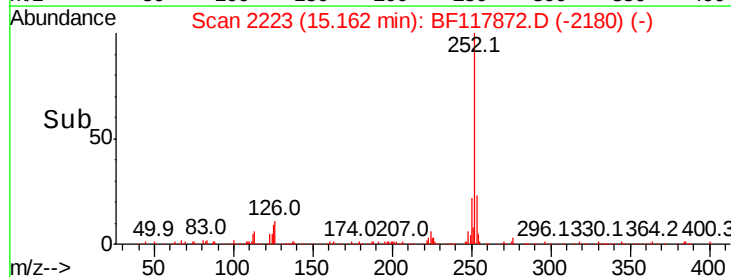
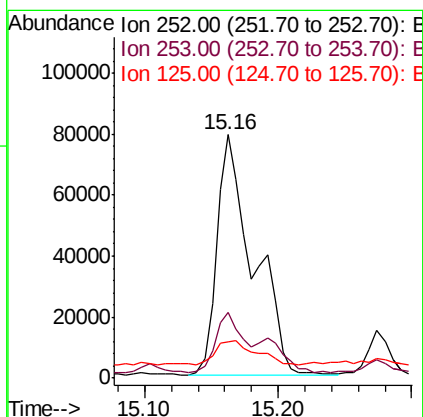
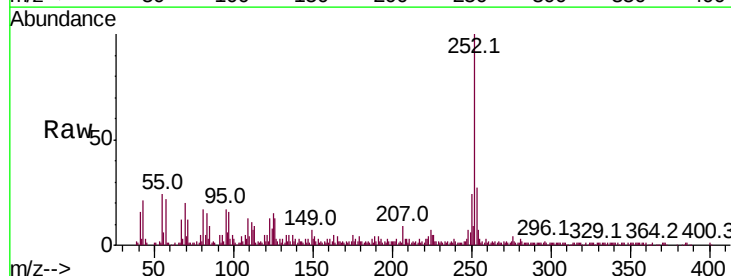
RT: 15.16 min Scan# 2223

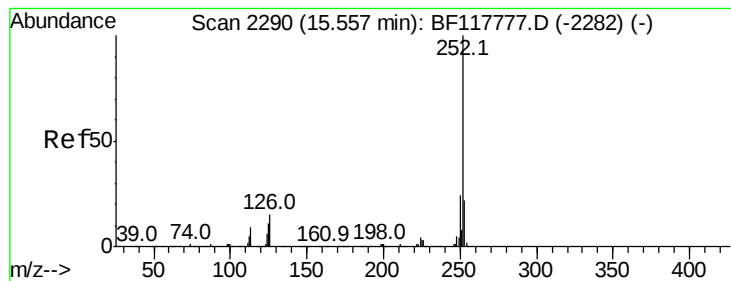
Delta R.T. -0.05 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	15.1	7.9	11.9#





#90

Benzo(a)pyrene

Concen: 2.800 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117872.D

Acq: 19 Nov 2019 21:03

Instrument :

BNA_F

ClientSampleId :

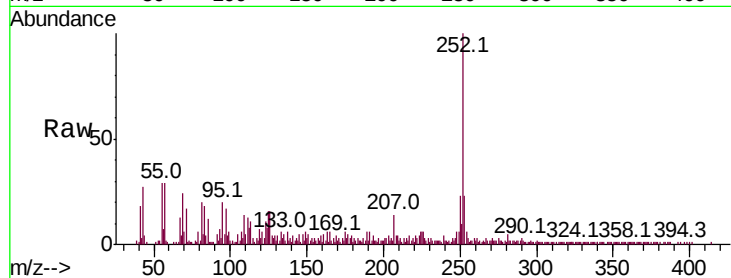
Tot Ion:252 Resp: 69758

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 15.9 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

