

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112831.D
 Acq On : 4 Mar 2019 18:24
 Operator : JU/SJ
 Sample : K1715 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-3

Quant Time: Mar 05 00:38:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	155915	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	602644	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	263028	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	524733	20.00	ng	0.01
76) Chrysene-d12	13.89	240	450769	20.00	ng	0.01
87) Perylene-d12	15.30	264	330453	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	228847	22.83	ng	0.00
7) Phenol-d6	6.37	99	297685	23.64	ng	0.00
23) Nitrobenzene-d5	7.30	82	155812	15.47	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	78762	28.21	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	298280	14.33	ng	0.00
79) Terphenyl-d14	12.83	244	318620	13.70	ng	0.00

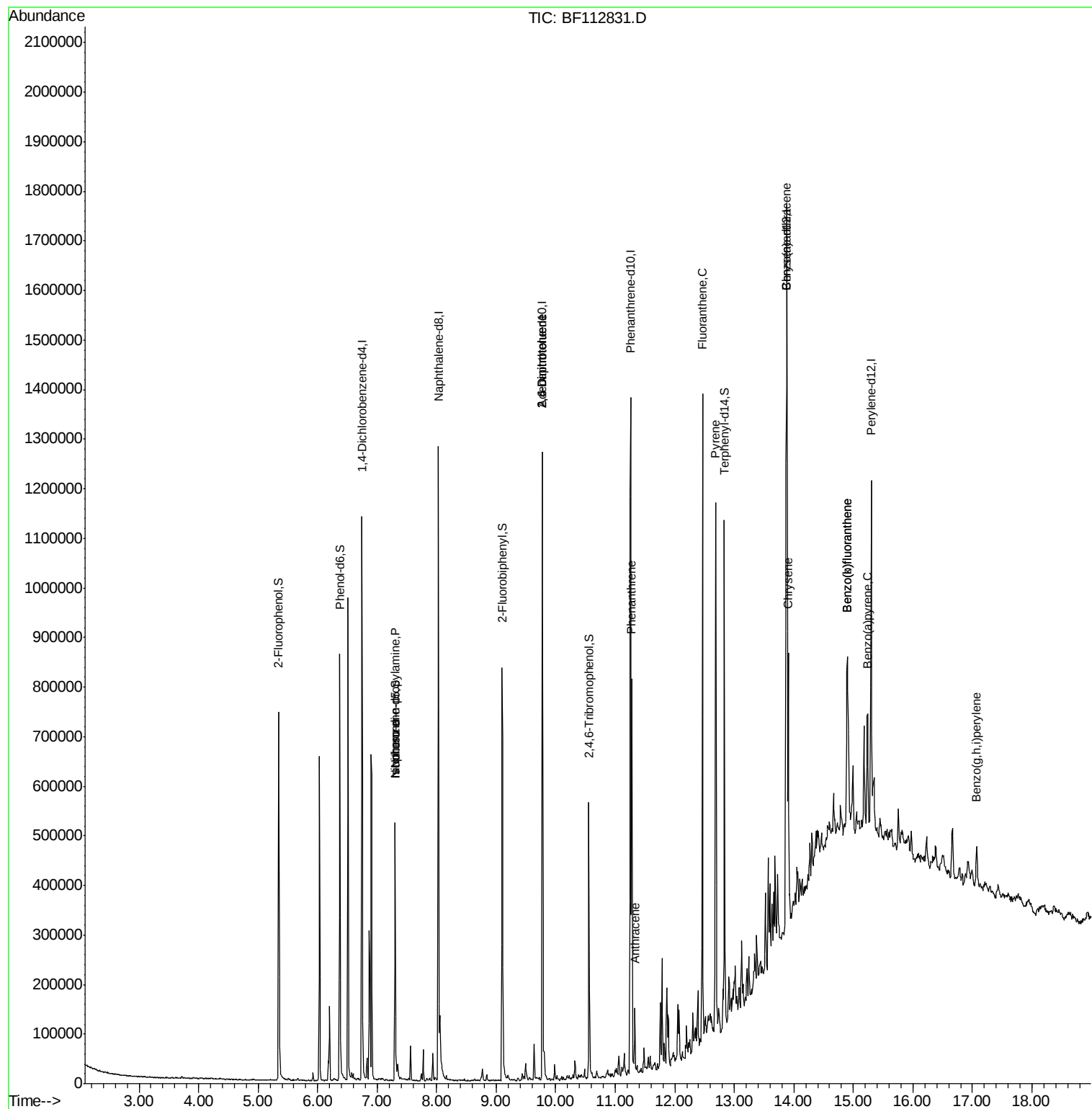
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	19628	2.461	ng	# 83
25) Isophorone	7.30	82	155809	7.181	ng	# 66
51) 2,6-Dinitrotoluene	9.77	165	33631	8.327	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	33631	6.699	ng	# 18
71) Phenanthrene	11.28	178	309856	11.868	ng	98
72) Anthracene	11.33	178	58587	2.144	ng	99
75) Fluoranthene	12.46	202	501848	17.942	ng	96
78) Pyrene	12.69	202	477500	12.565	ng	99
81) Benzo(a)anthracene	13.87	228	184406	5.903	ng	96
83) Chrysene	13.91	228	212037	6.929	ng	96
88) Benzo(b)fluoranthene	14.90	252	242984	11.368	ng	97
89) Benzo(k)fluoranthene	14.90	252	242984	12.550	ng	97
90) Benzo(a)pyrene	15.24	252	111028	5.873	ng	100
92) Benzo(g,h,i)perylene	17.07	276	67815	4.186	ng	96

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

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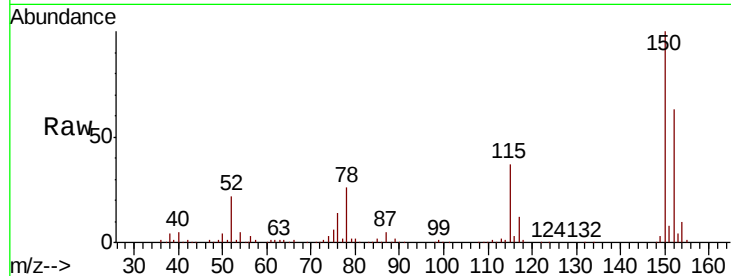


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.2	186.2
115	59.2	48.2	72.4

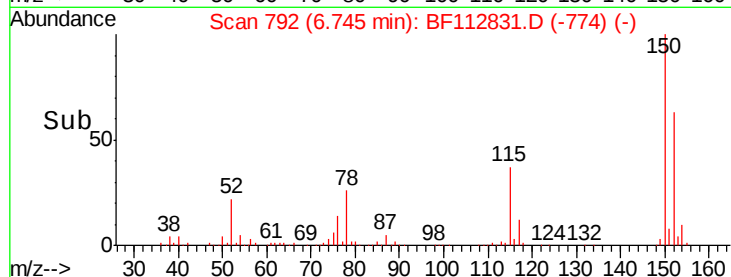
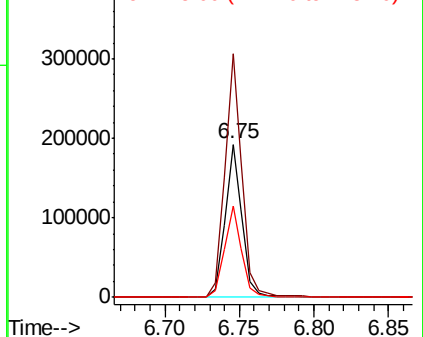


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

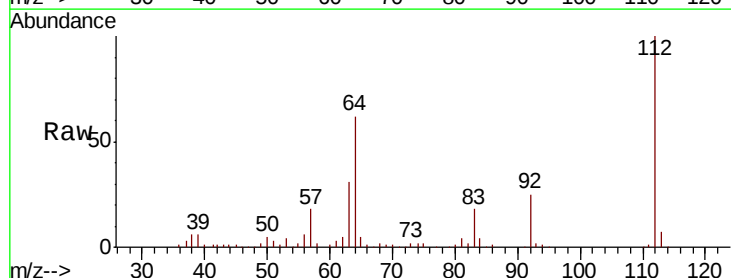
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 22.832 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.6	71.4
63	31.0	24.4	36.6

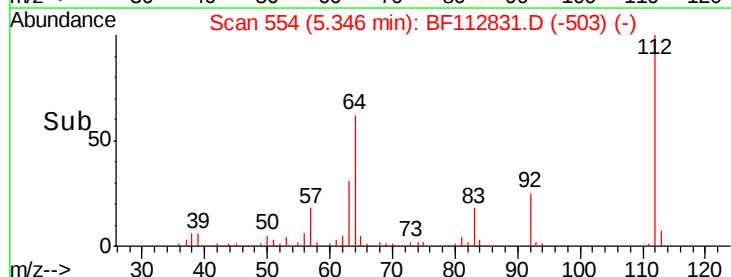
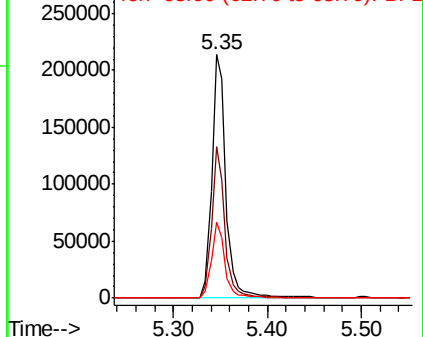


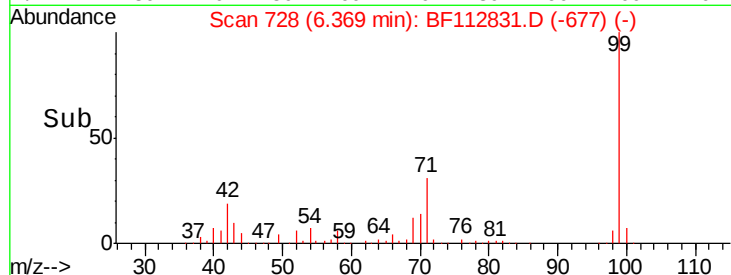
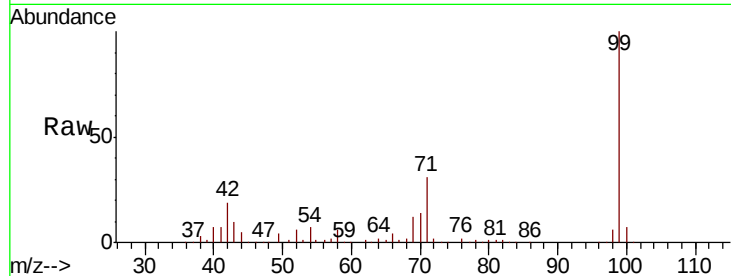
Abundance

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: 23.643 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

Instrument :

BNA_F

ClientSampleId :

Z-2-3

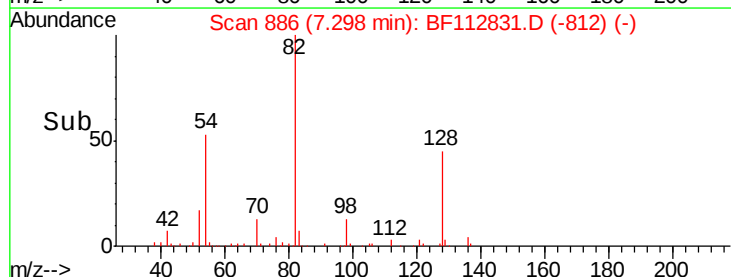
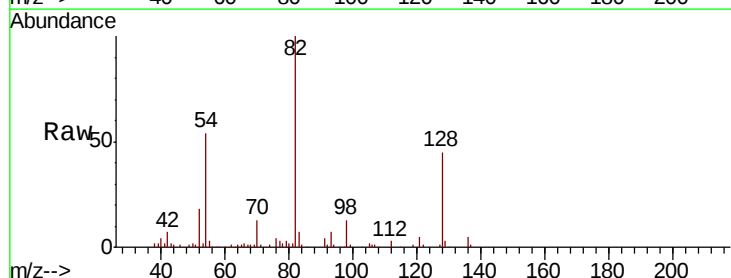
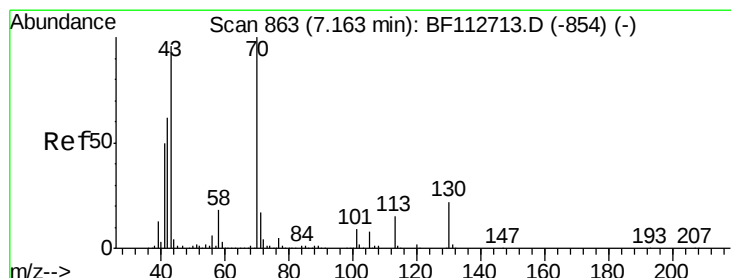
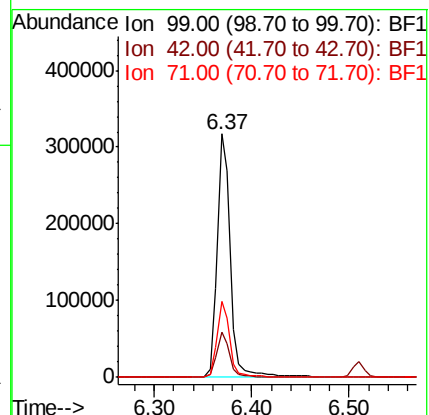
Tgt Ion: 99 Resp: 297685

Ion Ratio Lower Upper

99 100

42 18.8 16.3 24.5

71 31.2 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.461 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

Tgt Ion: 70 Resp: 19628

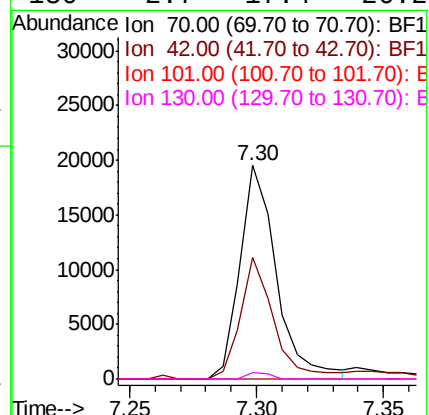
Ion Ratio Lower Upper

70 100

42 57.0 49.9 74.9

101 0.0 7.4 11.2#

130 2.7 17.4 26.2#

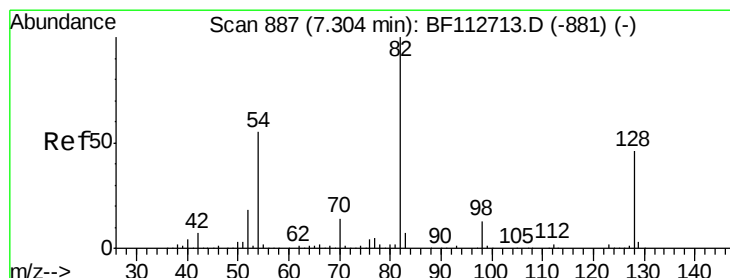
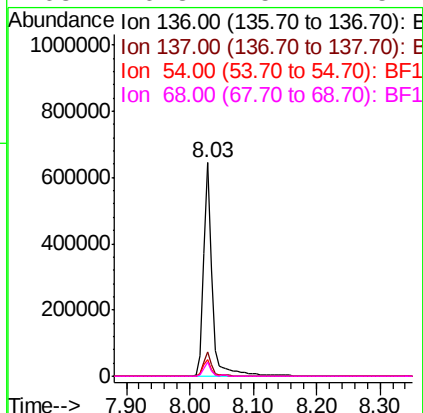
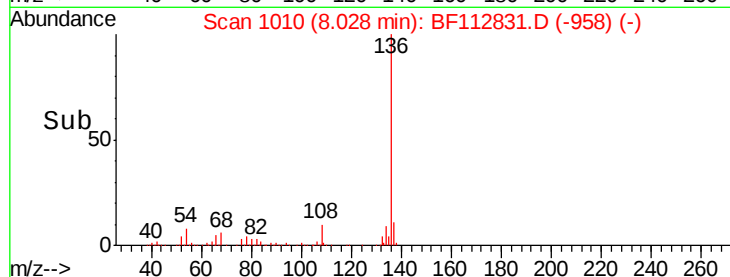
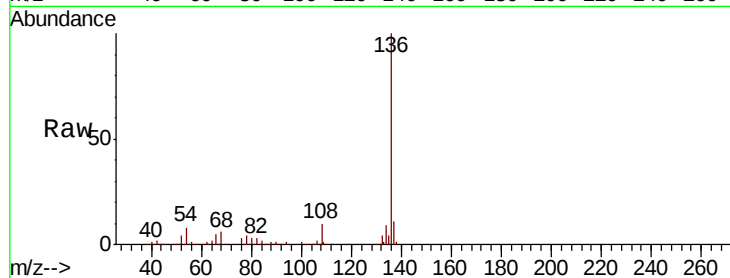




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

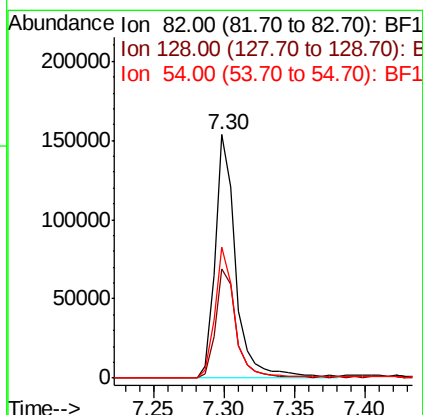
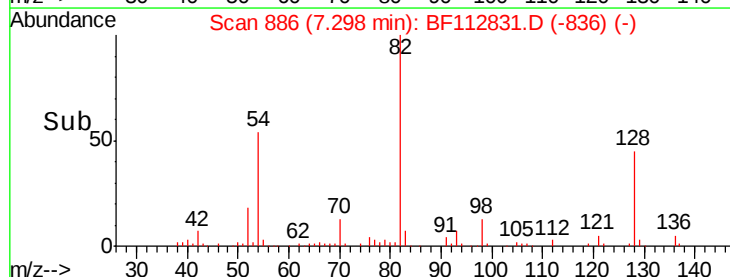
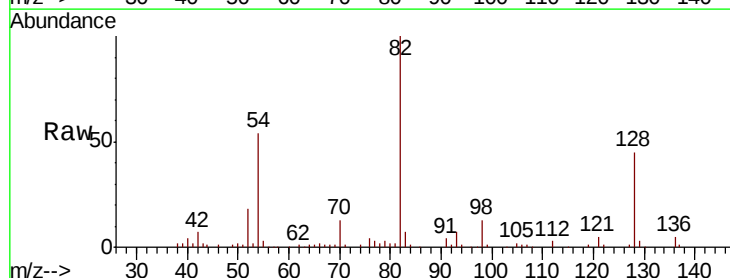
Instrument :
BNA_F
ClientSampleId :
Z-2-3

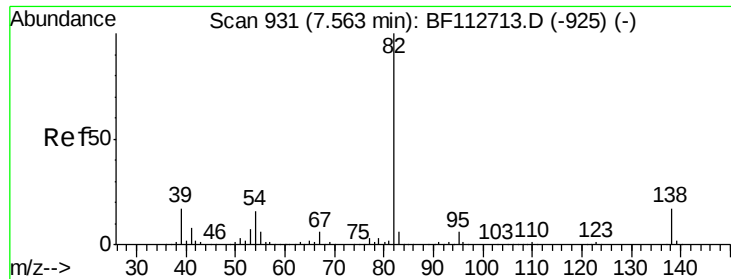
Tgt Ion:	136	Resp:	602644
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.1	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 15.471 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion:	82	Resp:	155812
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.3	54.5
54	53.6	43.7	65.5

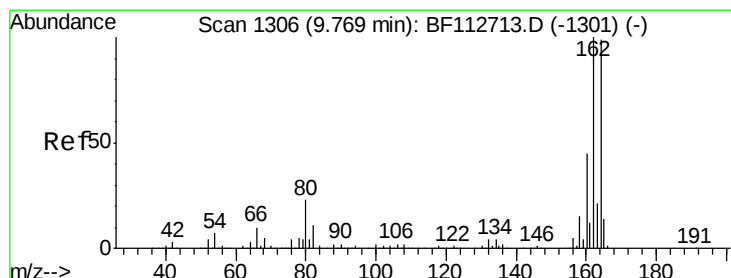
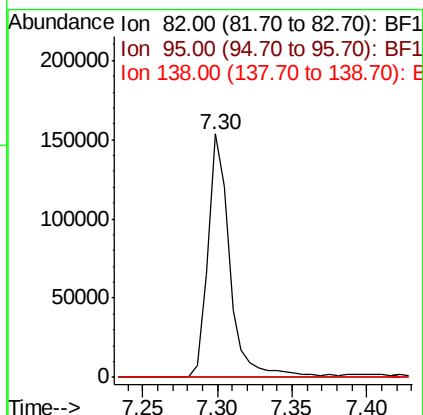
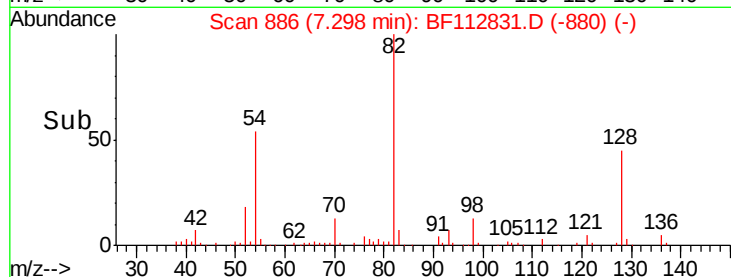
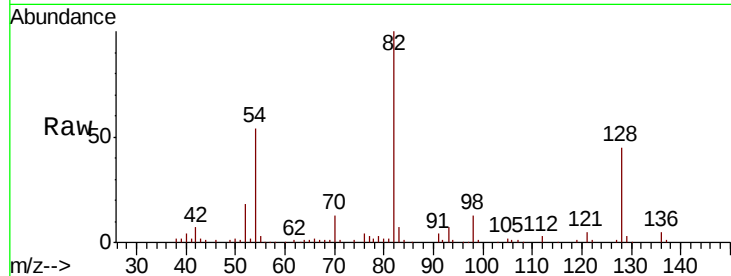




#25
Isophorone
Concen: 7.181 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

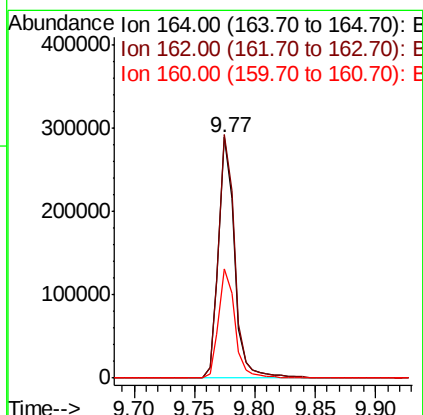
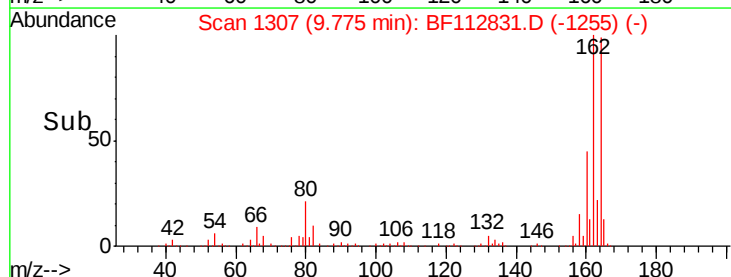
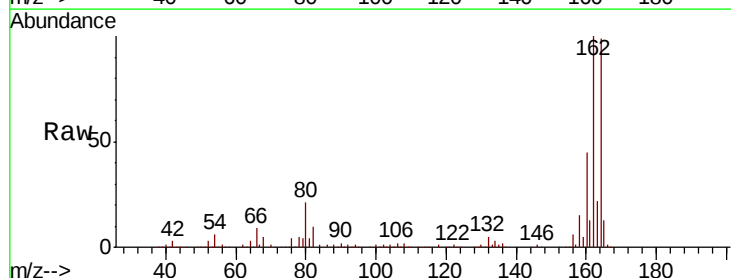
Instrument :
BNA_F
ClientSampleId :
Z-2-3

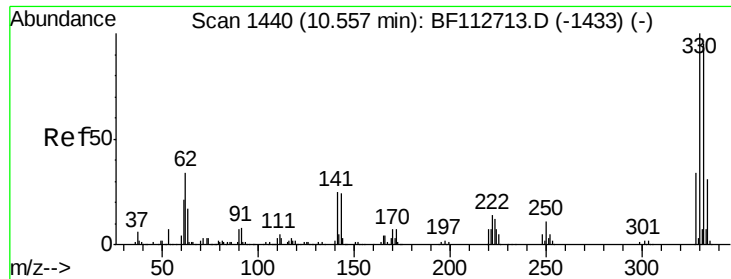
Tgt Ion: 82 Resp: 155809
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion: 164 Resp: 263028
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 45.6 36.0 54.0

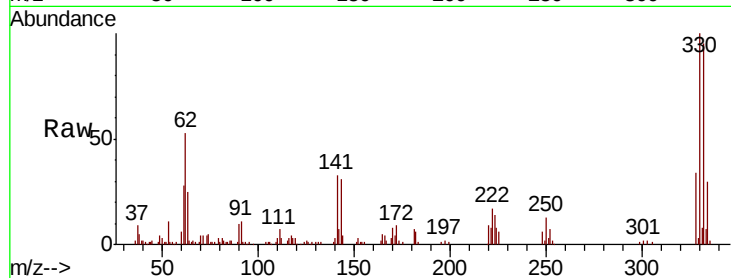




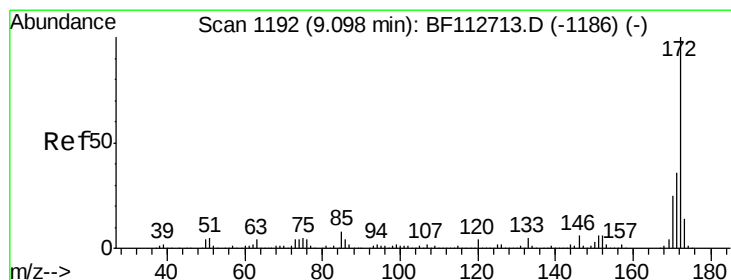
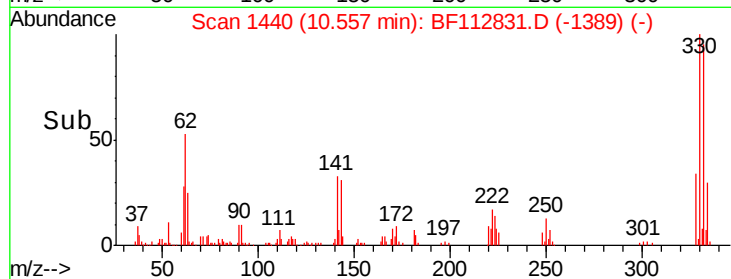
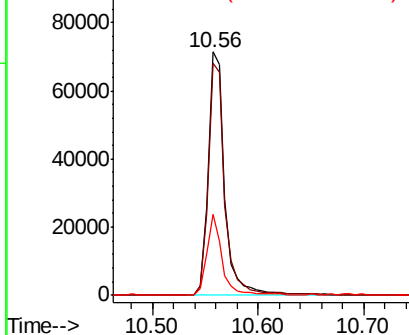
#42
 2,4,6-Tribromophenol
 Concen: 28.206 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-3

Tgt Ion:330 Resp: 78762
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 30.4 27.0 40.6

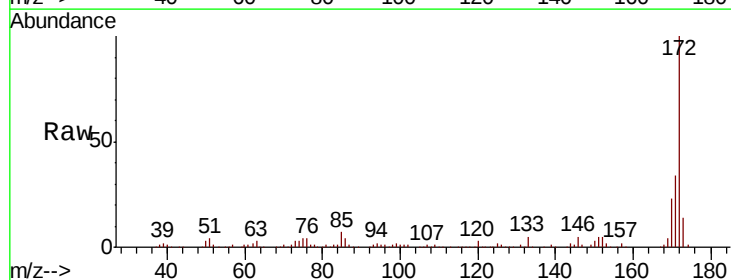


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

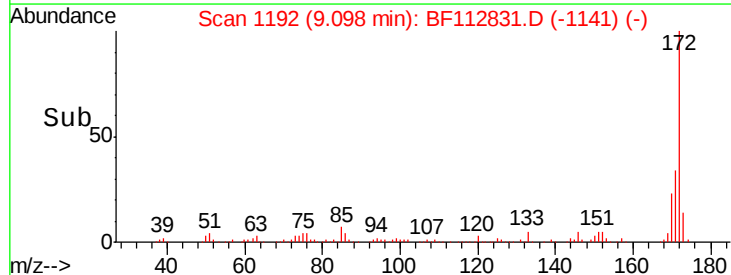
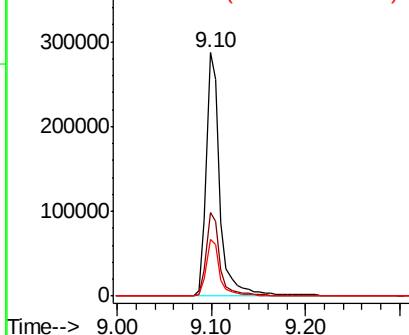


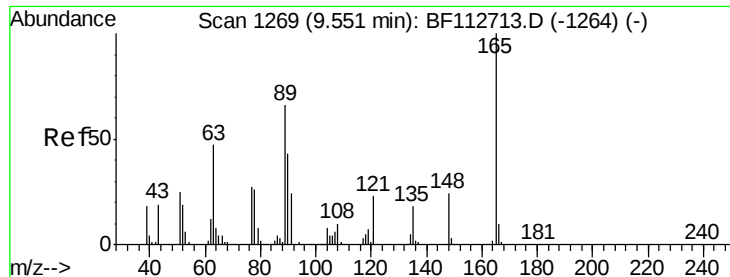
#45
 2-Fluorobiphenyl
 Concen: 14.335 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Tgt Ion:172 Resp: 298280
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.0 43.4
 170 23.4 20.0 30.0



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

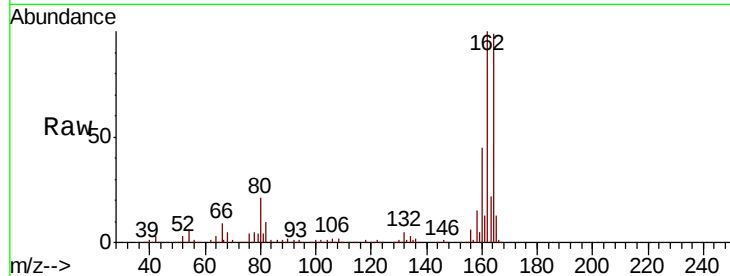




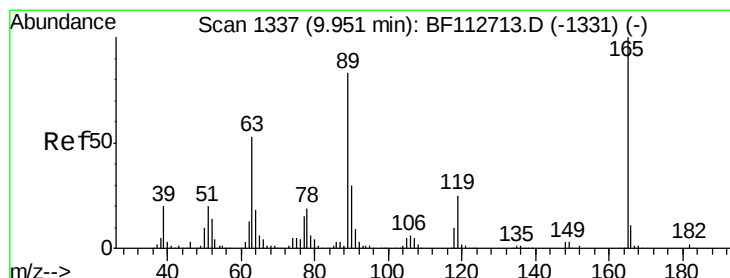
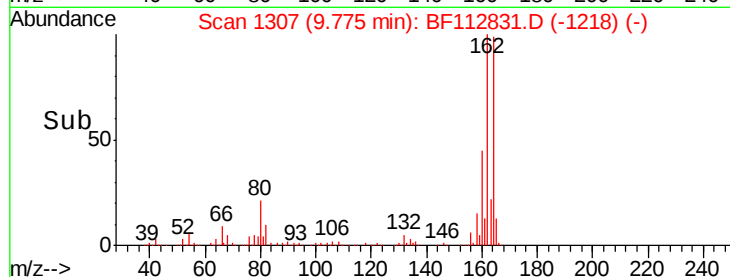
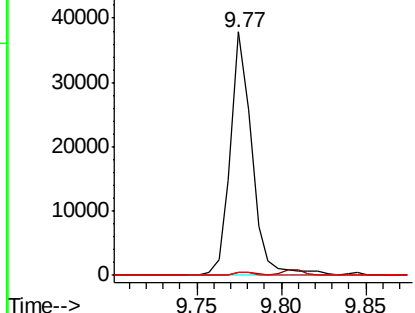
#51
 2,6-Dinitrotoluene
 Concen: 8.327 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.22 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-3

Tgt Ion:165 Resp: 33631
 Ion Ratio Lower Upper
 165 100
 63 1.1 54.1 81.1#
 89 1.4 52.8 79.2#

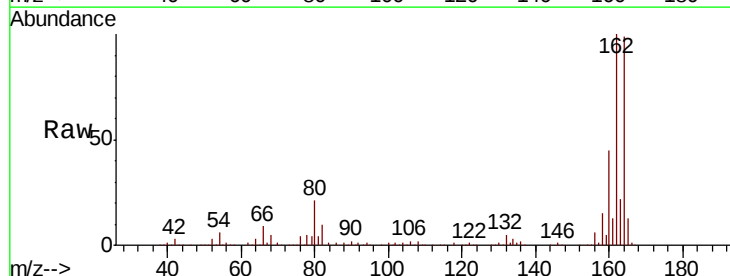


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

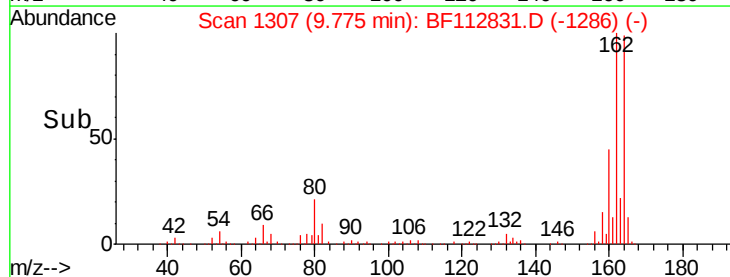
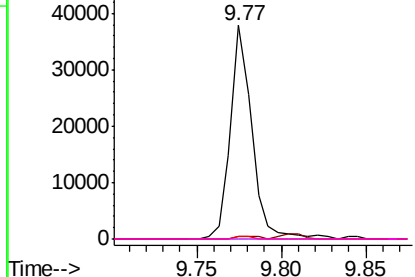


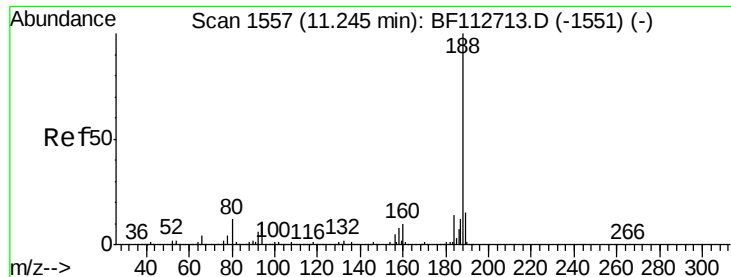
#57
 2,4-Dinitrotoluene
 Concen: 6.699 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112831.D
 Acq: 4 Mar 2019 18:24

Tgt Ion:165 Resp: 33631
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.2 63.2#
 89 1.4 66.2 99.4#
 182 0.0 1.8 2.6#



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: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

Instrument :

BNA_F

ClientSampleId :

Z-2-3

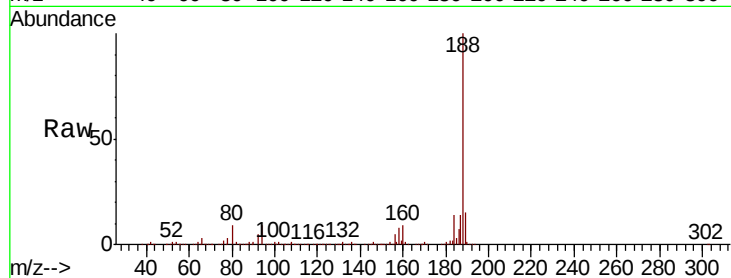
Tgt Ion:188 Resp: 524733

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

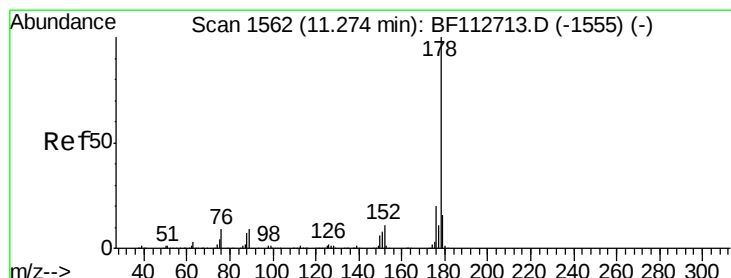
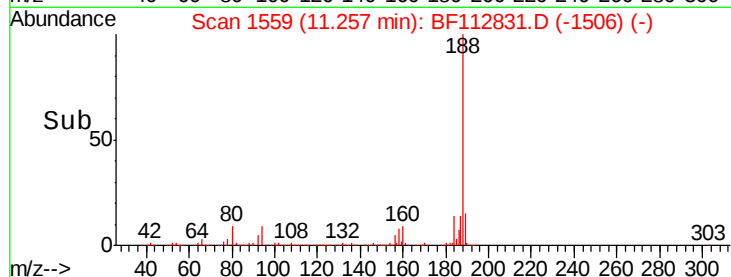
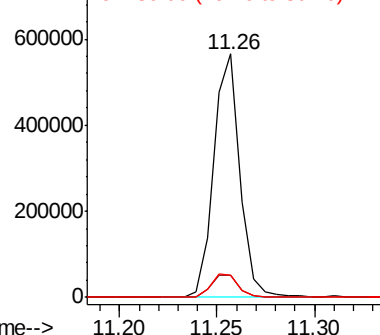
80 9.4 9.2 13.8



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: 11.868 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

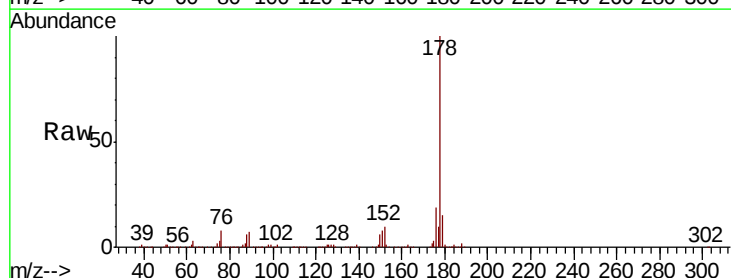
Tgt Ion:178 Resp: 309856

Ion Ratio Lower Upper

178 100

176 19.3 16.3 24.5

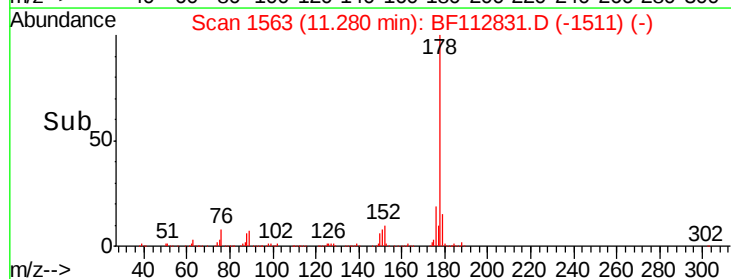
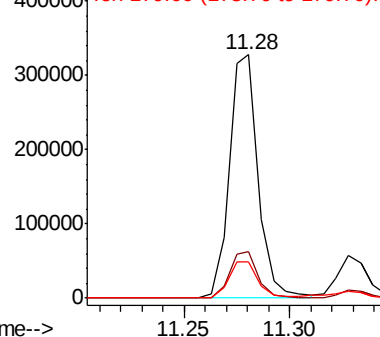
179 15.0 12.7 19.1

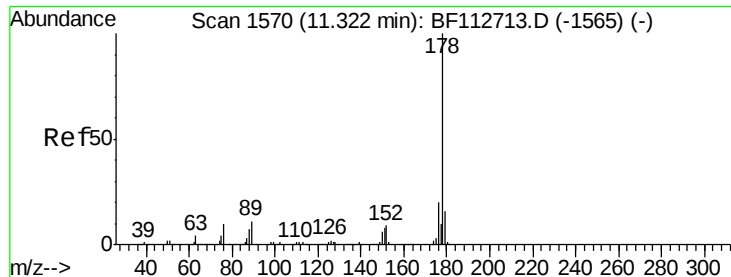


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.144 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

Instrument :

BNA_F

ClientSampleId :

Z-2-3

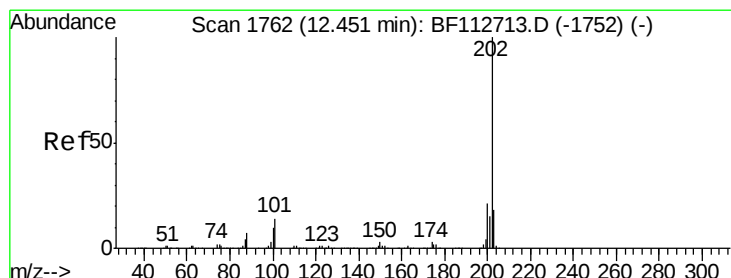
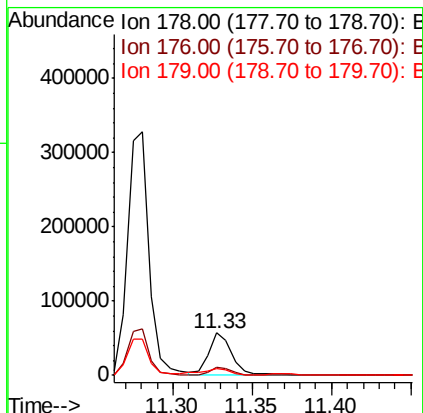
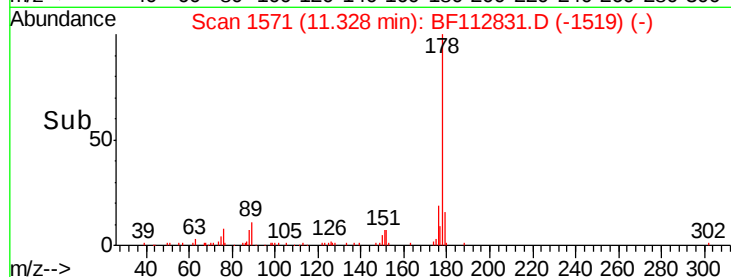
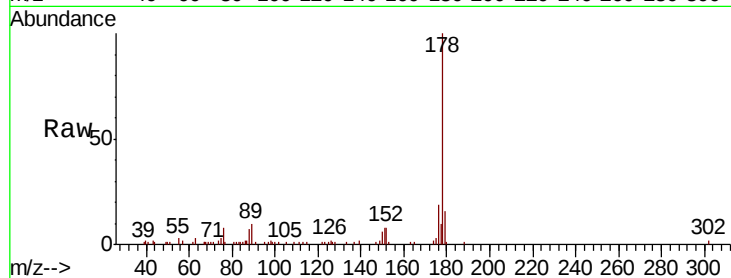
Tgt Ion:178 Resp: 58587

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

179 16.0 13.0 19.6



#75

Fluoranthene

Concen: 17.942 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

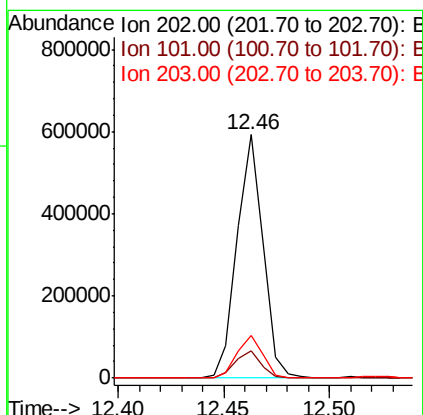
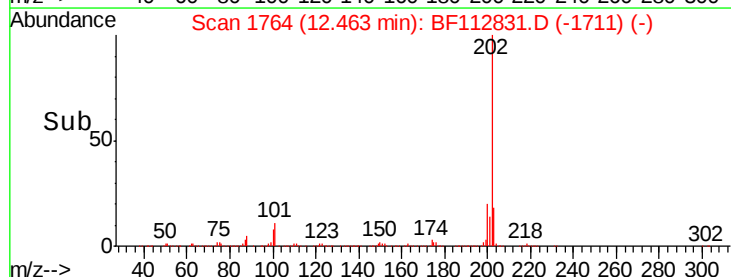
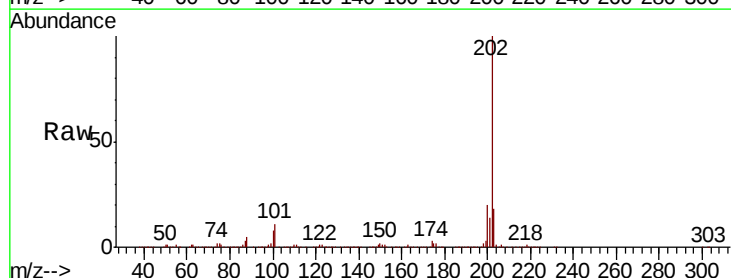
Tgt Ion:202 Resp: 501848

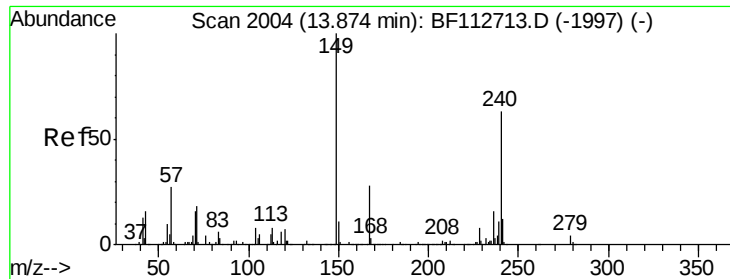
Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.8

203 17.7 0.0 38.4

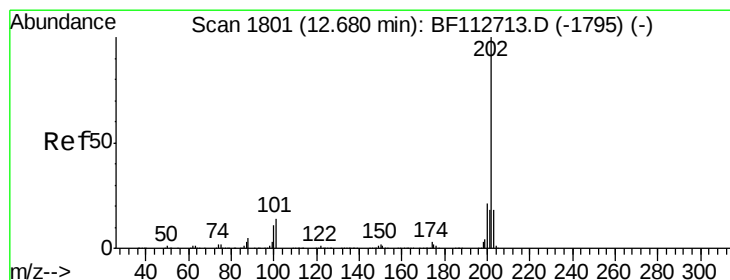
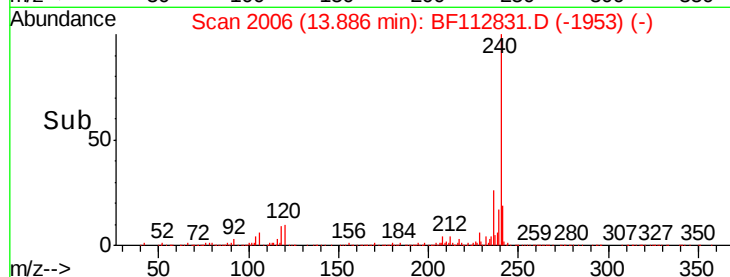
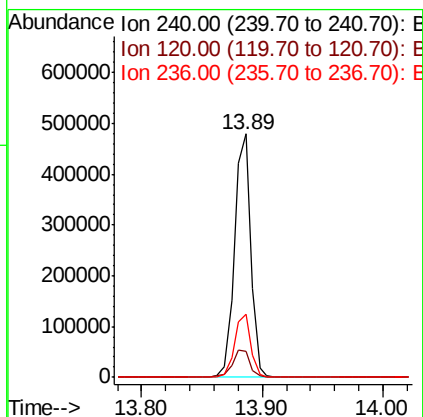
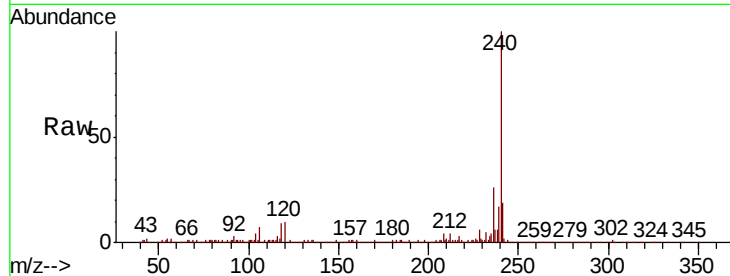




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

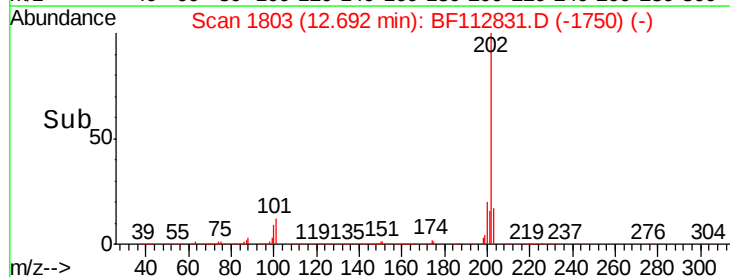
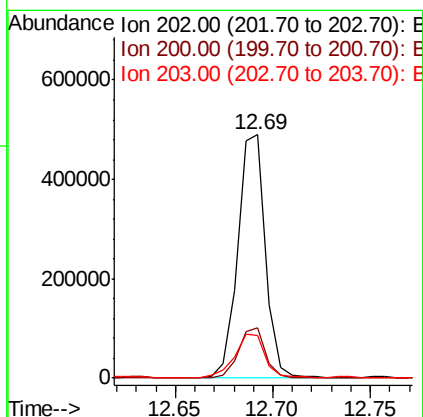
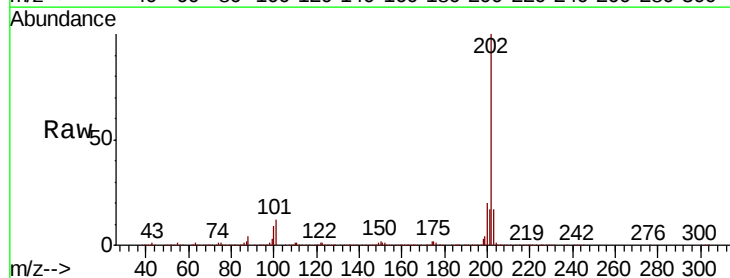
Instrument :
BNA_F
ClientSampleId :
Z-2-3

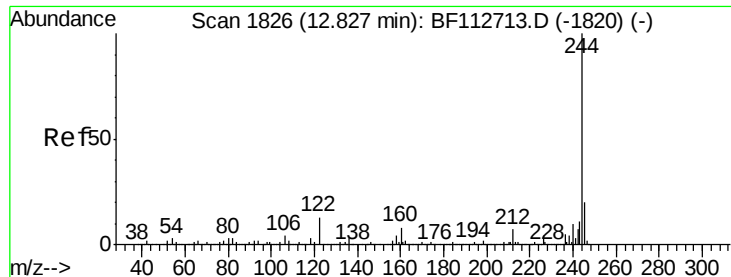
Tgt Ion:240 Resp: 450769
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 26.1 20.7 31.1



#78
Pyrene
Concen: 12.565 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion:202 Resp: 477500
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 13.702 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

Instrument :

BNA_F

ClientSampled :

Z-2-3

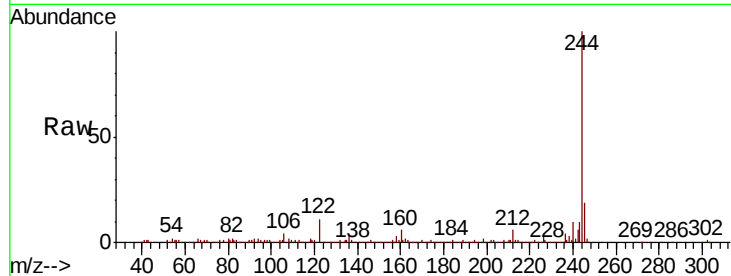
Tgt Ion:244 Resp: 318620

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

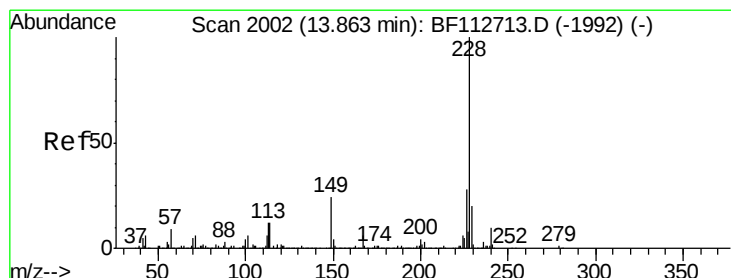
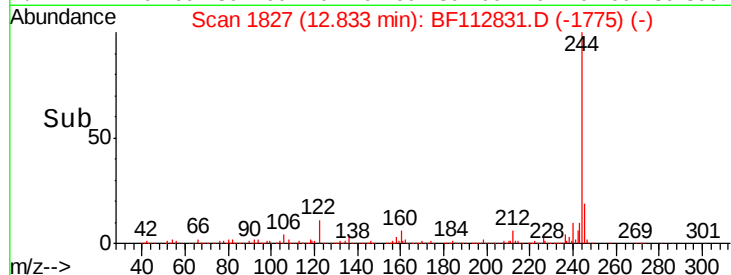
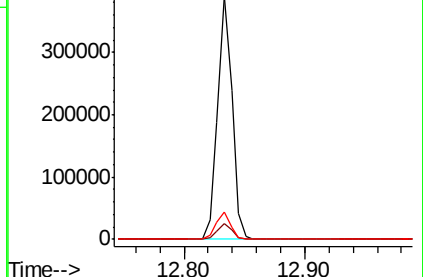
122 11.1 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.903 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF112831.D

Acq: 4 Mar 2019 18:24

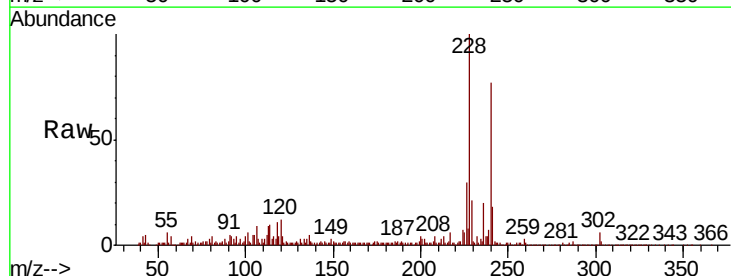
Tgt Ion:228 Resp: 184406

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

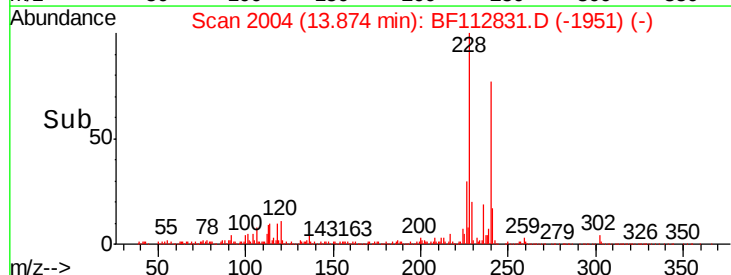
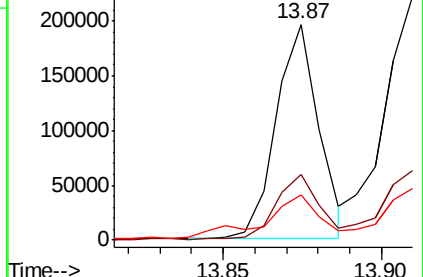
229 20.7 16.0 24.0

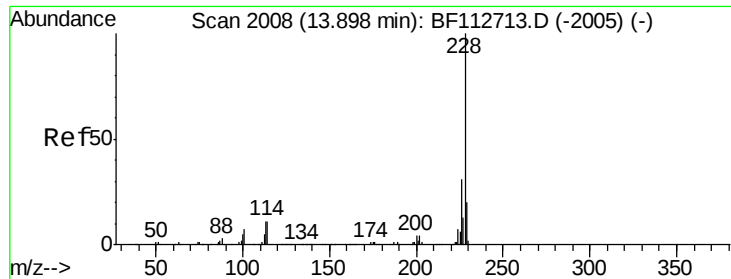


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

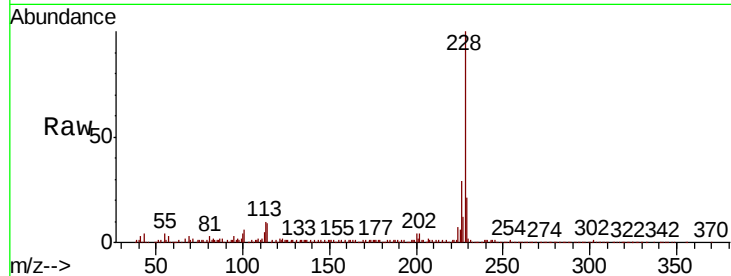




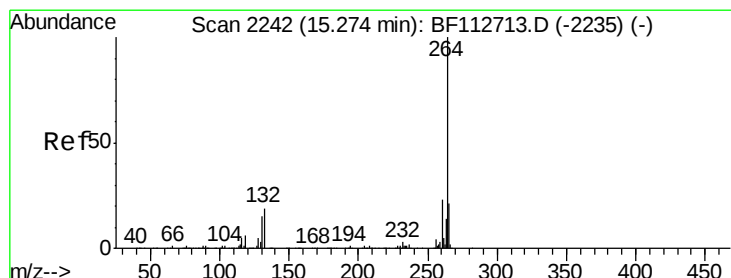
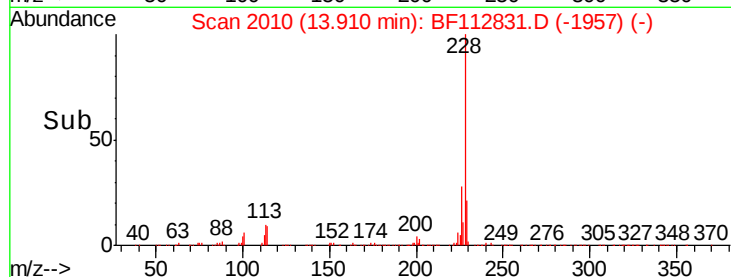
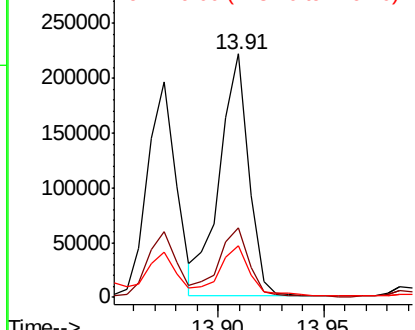
#83
Chrysene
Concen: 6.929 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Instrument :
BNA_F
ClientSampleId :
Z-2-3

Tgt Ion: 228 Resp: 212037
Ion Ratio Lower Upper
228 100
226 28.6 24.9 37.3
229 21.4 16.3 24.5

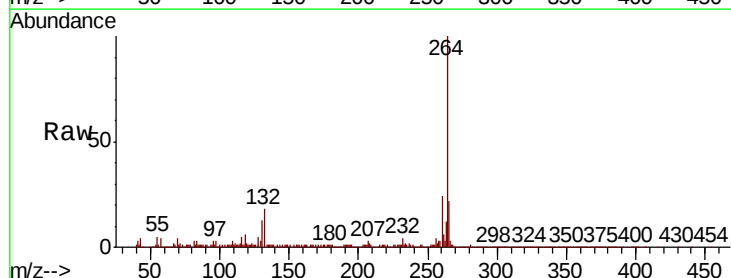


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

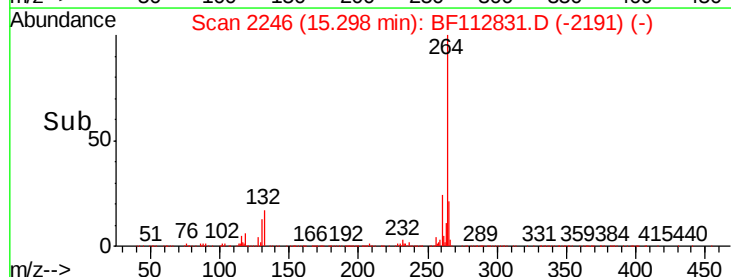
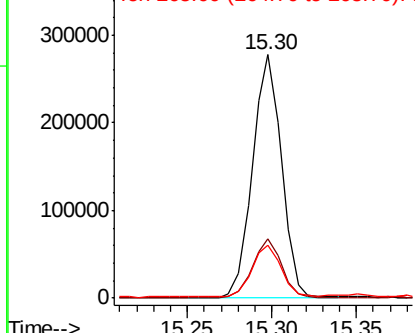


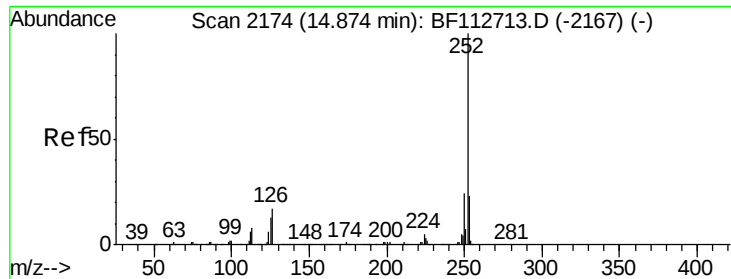
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion: 264 Resp: 330453
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 21.6 17.2 25.8



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

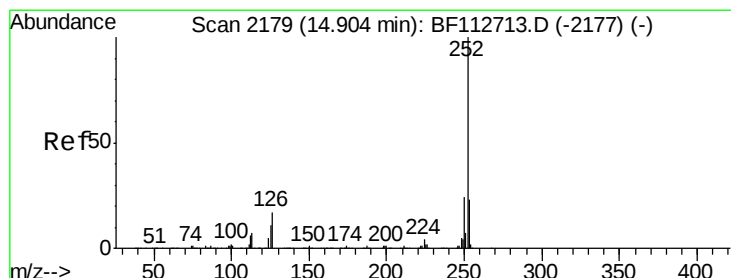
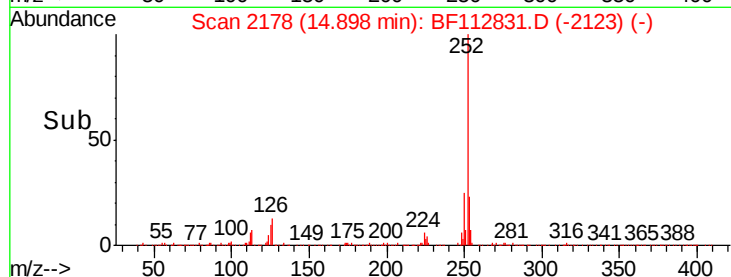
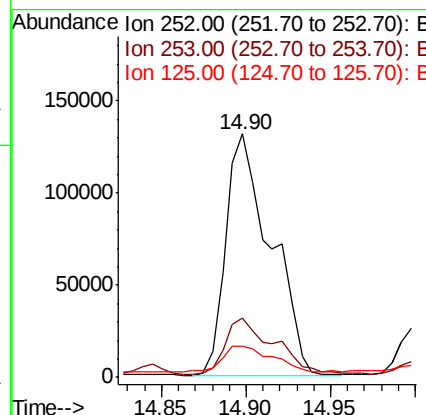
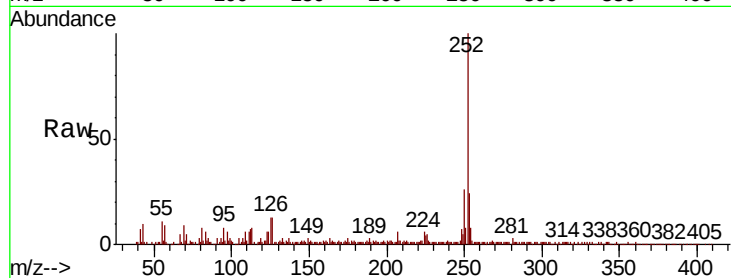




#88
Benzo(b)fluoranthene
Concen: 11.368 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

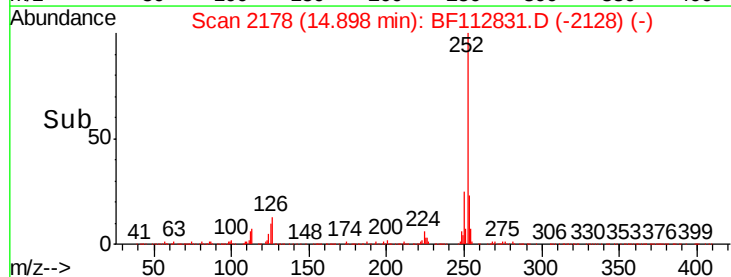
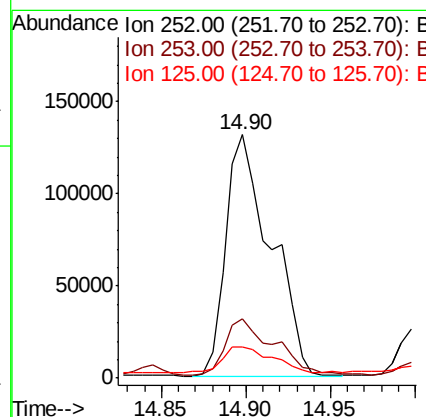
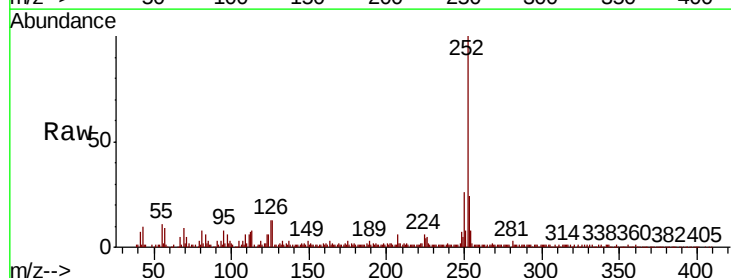
Instrument :
BNA_F
ClientSampleId :
Z-2-3

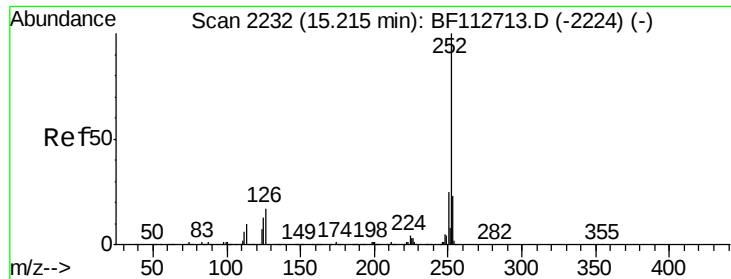
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	12.6	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 12.550 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	12.6	9.8	14.6

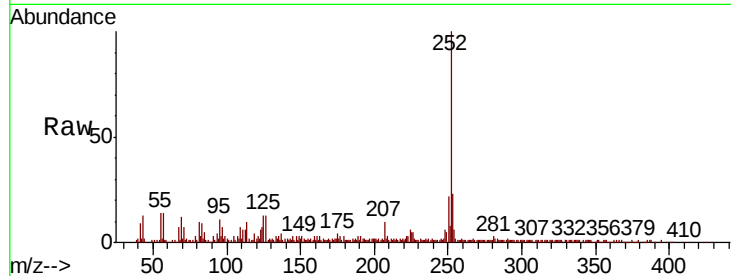




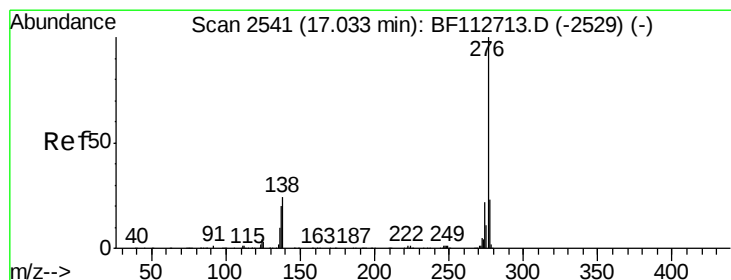
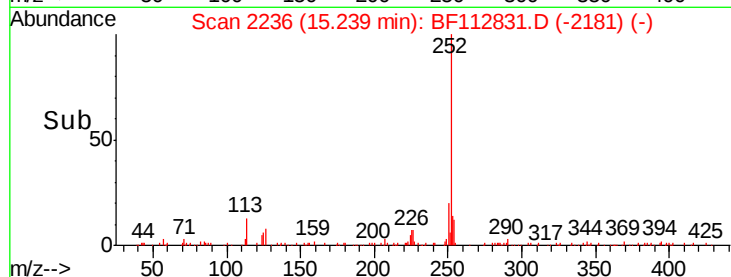
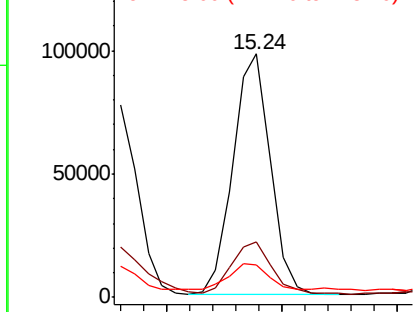
#90
Benzo(a)pyrene
Concen: 5.873 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Instrument :
BNA_F
ClientSampleId :
Z-2-3

Tgt Ion: 252 Resp: 111028
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 13.1 10.7 16.1

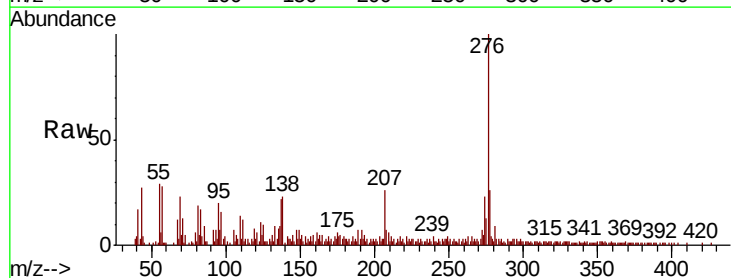


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.186 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF112831.D
Acq: 4 Mar 2019 18:24

Tgt Ion: 276 Resp: 67815
Ion Ratio Lower Upper
276 100
277 25.8 18.6 27.8
138 23.1 19.4 29.0



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

