

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111714.D
 Acq On : 26 Dec 2018 14:23
 Operator : JU/SJ
 Sample : J6498-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

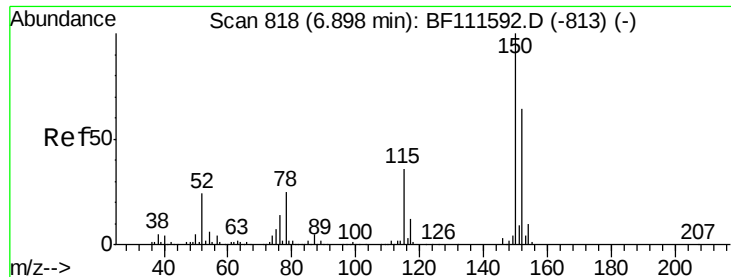
Quant Time: Dec 26 15:25:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 26 13:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	165825	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	614228	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	306275	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	560296	20.00	ng	0.00
76) Chrysene-d12	14.06	240	495442	20.00	ng	-0.01
87) Perylene-d12	15.54	264	450644	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	810370	83.30	ng	0.00
7) Phenol-d6	6.54	99	1038053	83.84	ng	0.00
23) Nitrobenzene-d5	7.46	82	651233	61.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	308484	85.24	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1248712	59.43	ng	0.00
79) Terphenyl-d14	13.00	244	1322922	50.64	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.55	94	74157	5.308	ng	94
19) n-Nitroso-di-n-propylamine	7.46	70	88505	10.764	ng	# 78
25) Isophorone	7.46	82	651224	34.763	ng	# 64
50) Dimethylphthalate	9.65	163	174430	7.788	ng	96
52) Acenaphthene	9.97	154	42934	2.328	ng	95
56) 4-Nitrophenol	10.14	139	14248	3.920	ng	# 10
57) 2,4-Dinitrotoluene	9.93	165	39722	7.401	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	638	6.930	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	18927	2.724	ng	# 1
71) Phenanthrene	11.44	178	219484	7.386	ng	93
72) Anthracene	11.49	178	60372	2.024	ng	94
75) Fluoranthene	12.63	202	199415	6.627	ng	93
78) Pyrene	12.86	202	161890	4.627	ng	96
81) Benzo(a)anthracene	14.05	228	82838	2.930	ng	99
83) Chrysene	14.09	228	71348	2.567	ng	96
88) Benzo(b)fluoranthene	15.10	252	102040	3.874	ng	97
89) Benzo(k)fluoranthene	15.10	252	102040	4.070	ng	98
90) Benzo(a)pyrene	15.47	252	53030	2.216	ng	# 93

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

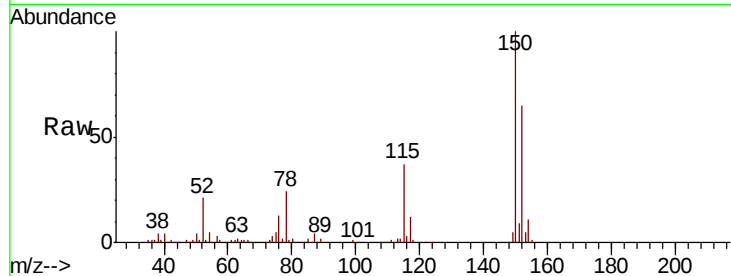


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	56.6	50.7	76.1

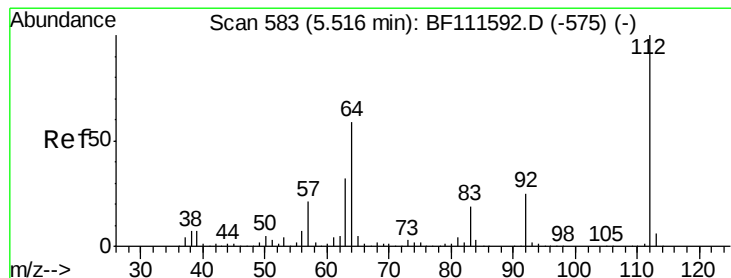
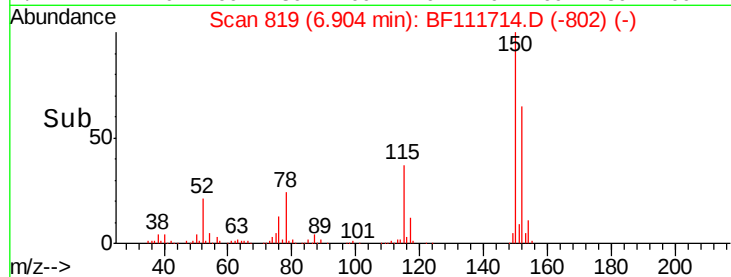
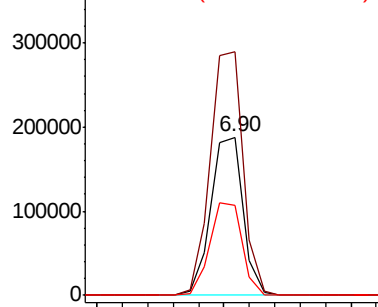


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

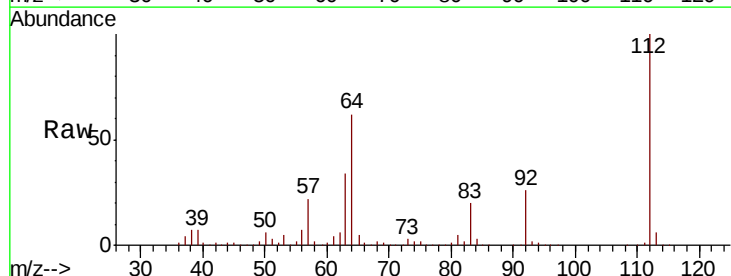
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.299 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	51.8	77.6
63	33.9	26.8	40.2

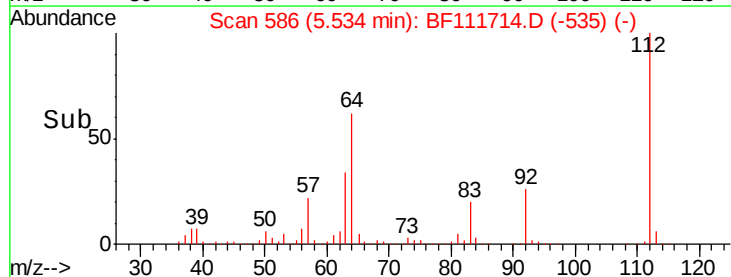
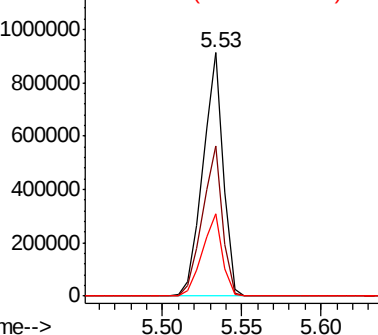


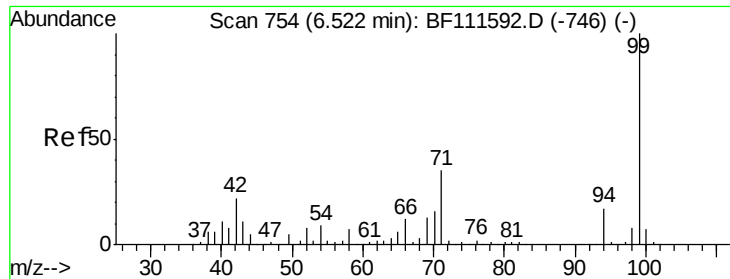
Abundance

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: 83.843 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

Instrument :

BNA_E

ClientSampled :

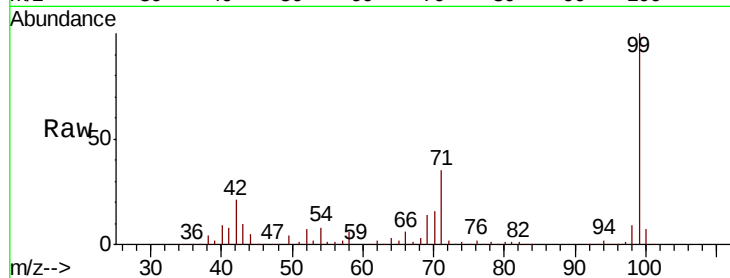
Tot Ion: 99 Resp: 1038053

Ion Ratio Lower Upper

99 100

42 21.2 17.4 26.0

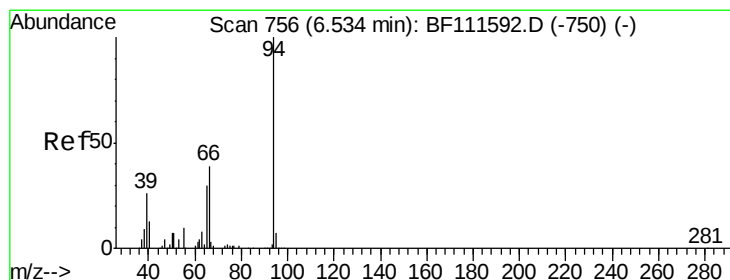
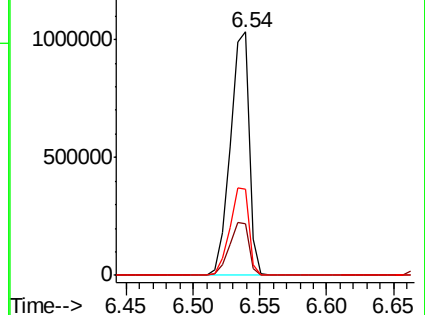
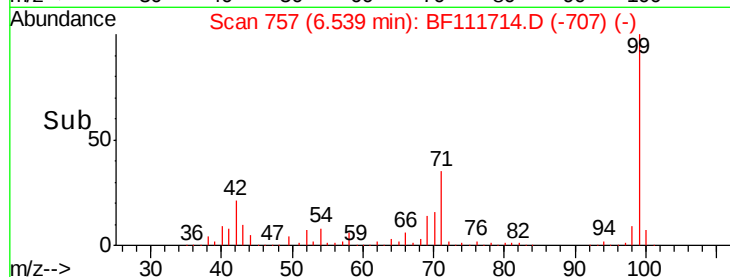
71 35.2 26.1 39.1



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



#10

Phenol

Concen: 5.308 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

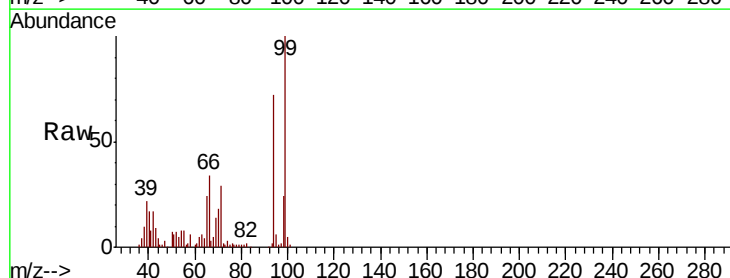
Tgt Ion: 94 Resp: 74157

Ion Ratio Lower Upper

94 100

65 32.5 11.7 51.7

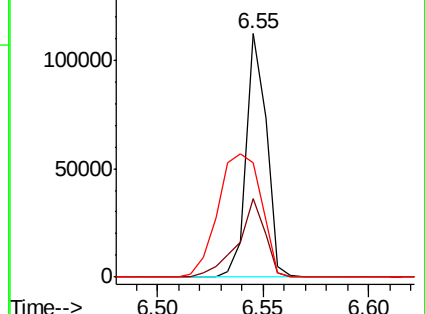
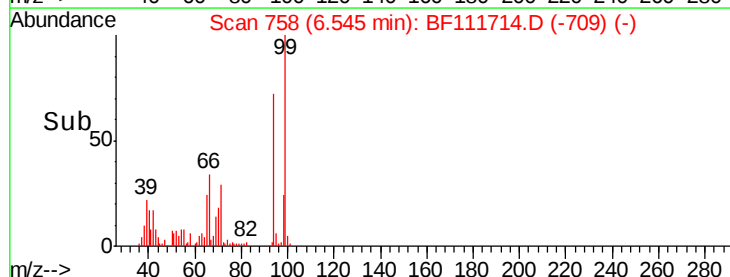
66 47.0 21.0 61.0



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

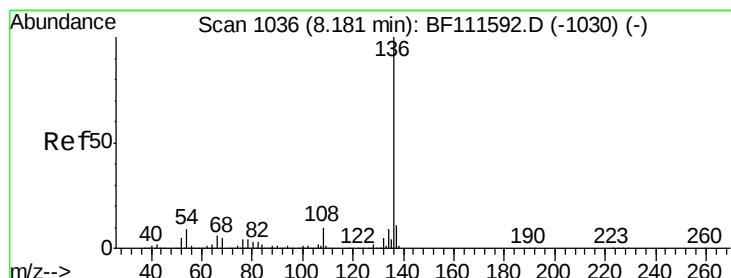
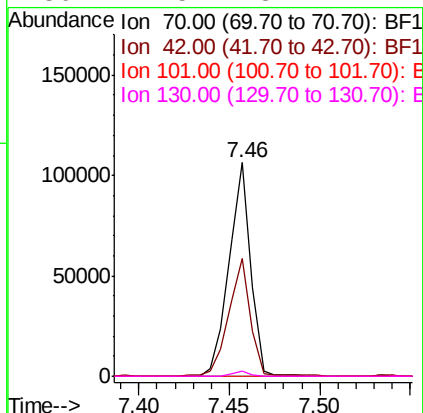
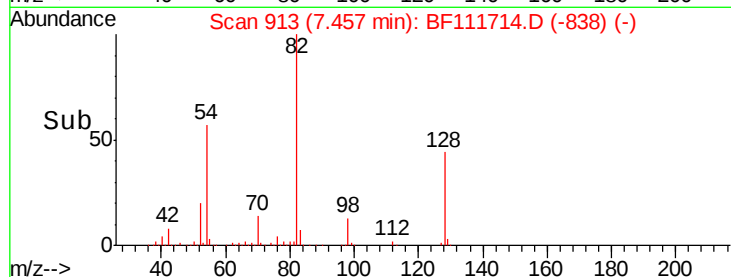
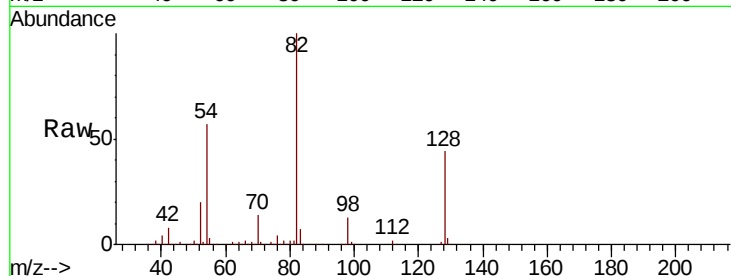




#19
n-Nitroso-di-n-propylamine
Concen: 10.764 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.14 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

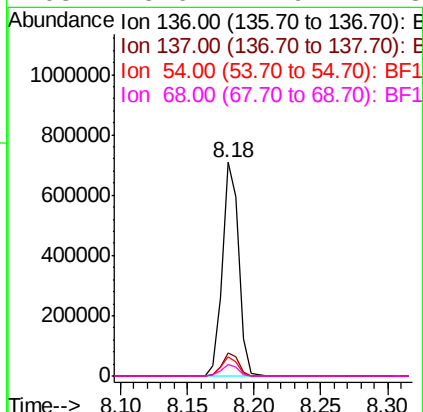
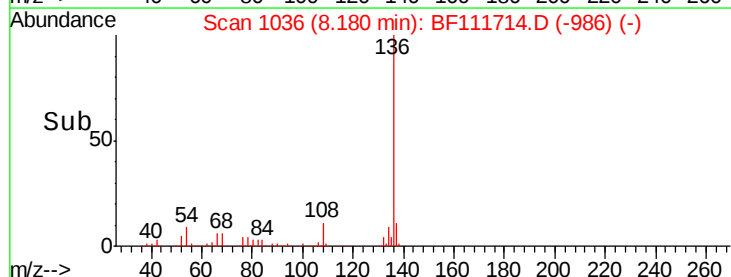
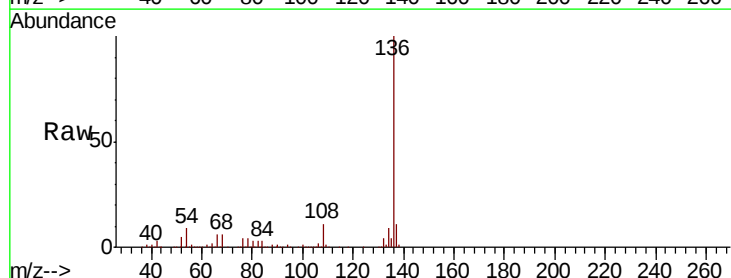
Instrument :
BNA_E
ClientSampleId :

Tot Ion: 70 Resp: 88505
Ion Ratio Lower Upper
70 100
42 55.2 53.2 79.8
101 0.0 8.2 12.4#
130 2.5 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:136 Resp: 614228
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.2 7.7 11.5
68 5.6 4.9 7.3

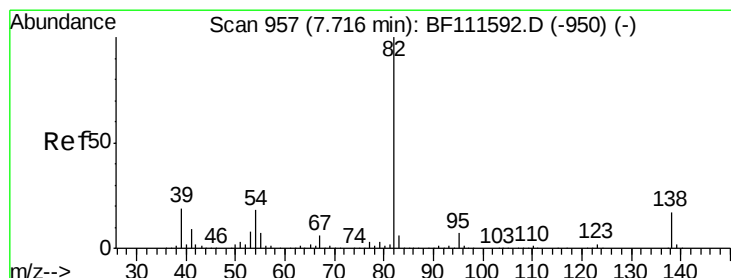
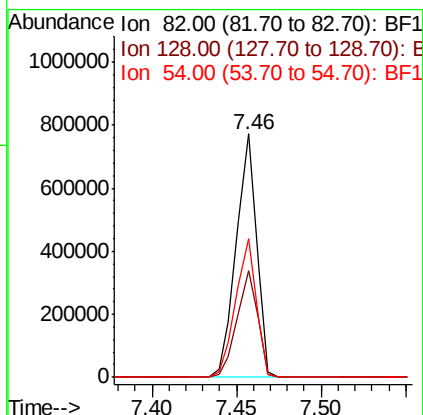
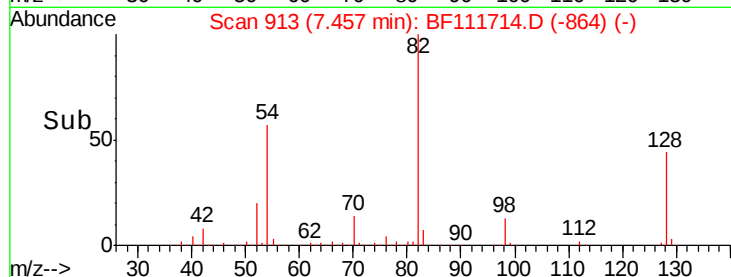
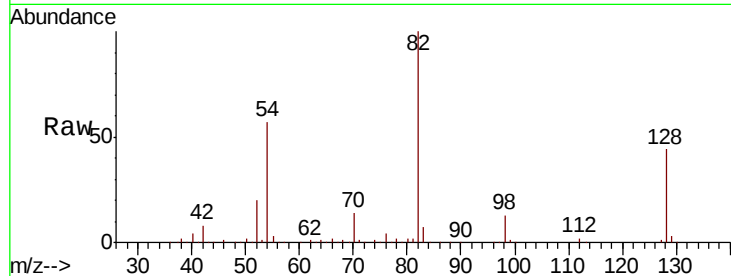




#23
Nitrobenzene-d5
Concen: 61.715 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

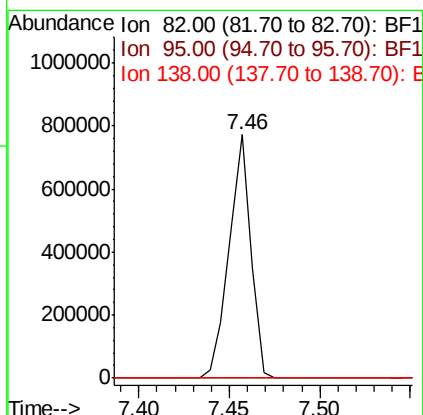
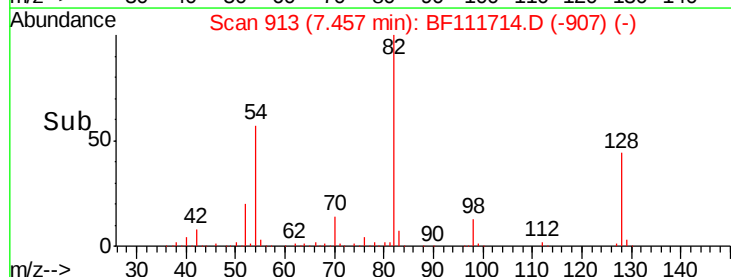
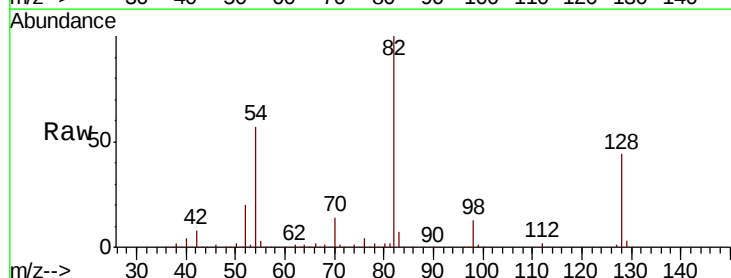
Instrument :
BNA_E
ClientSampleId :

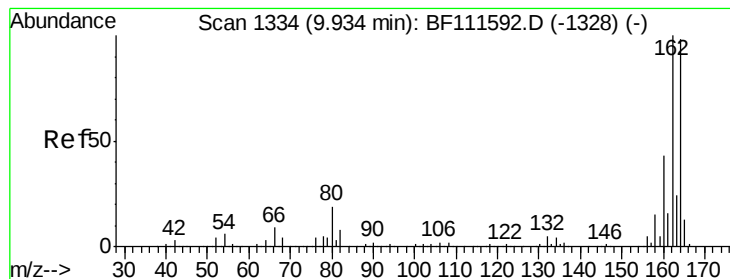
Tot Ion: 82 Resp: 651233
Ion Ratio Lower Upper
82 100
128 43.8 37.4 56.2
54 57.1 47.6 71.4



#25
Isophorone
Concen: 34.763 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion: 82 Resp: 651224
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

Instrument :

BNA_E

ClientSampleId :

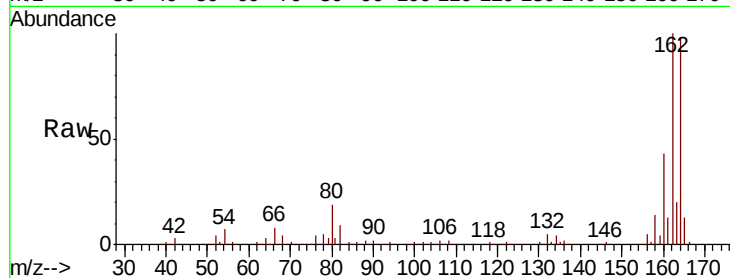
Tot Ion:164 Resp: 306275

Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

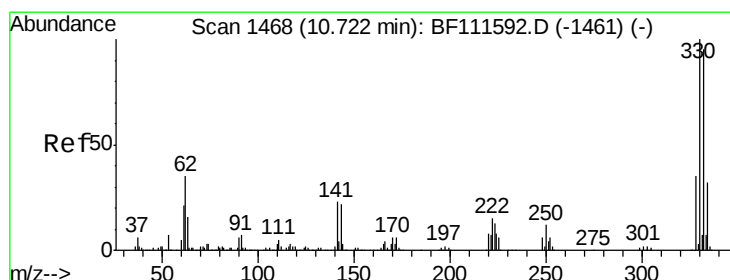
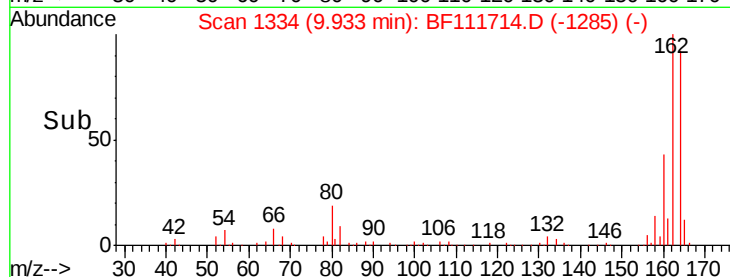
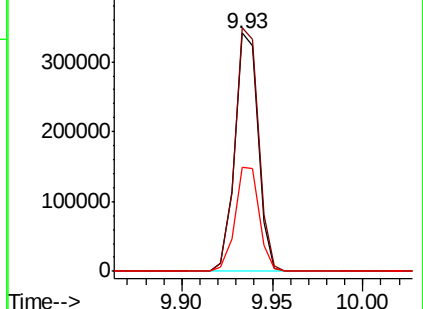
160 44.0 35.7 53.5



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: 85.243 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

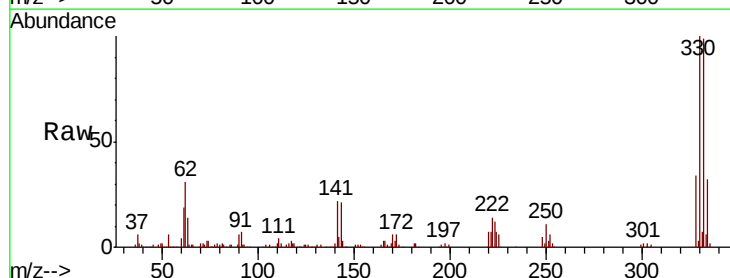
Tgt Ion:330 Resp: 308484

Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

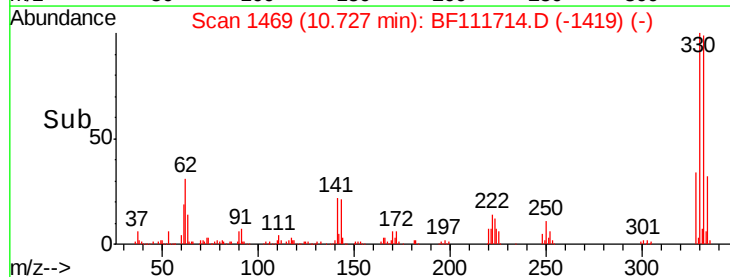
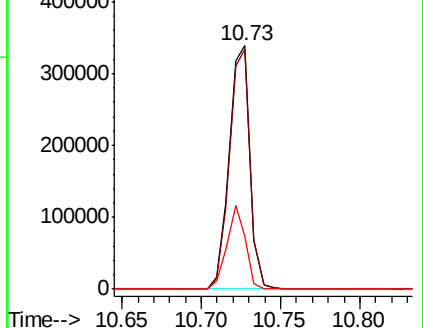
141 30.4 31.0 46.6#

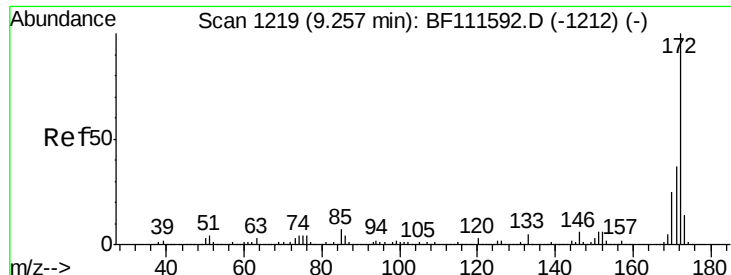


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

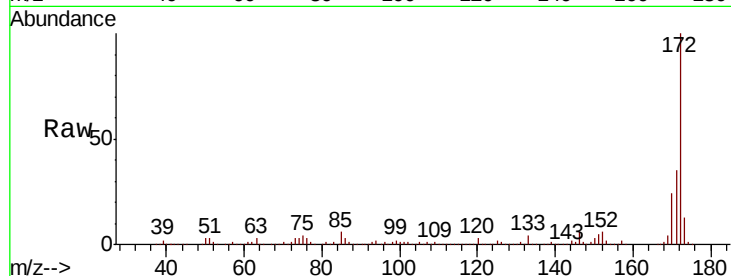




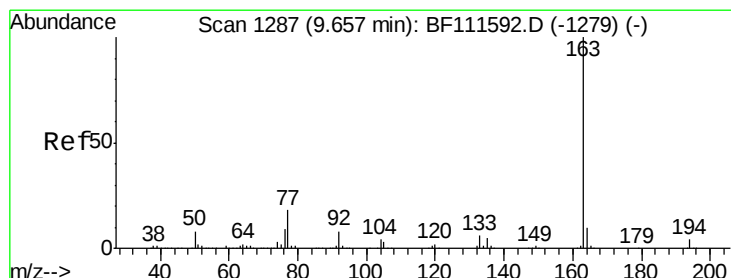
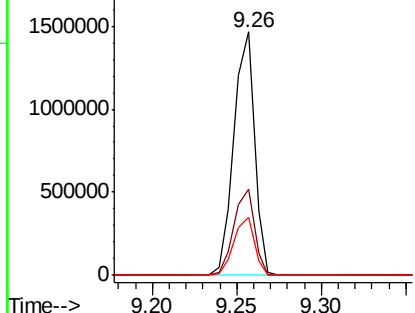
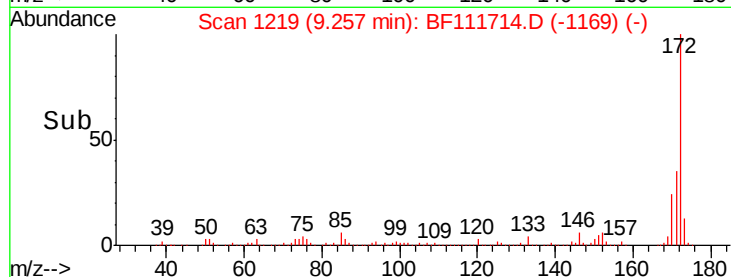
#45
2-Fluorobiphenyl
Concen: 59.427 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 1248712
Ion Ratio Lower Upper
172 100
171 35.3 33.0 49.4
170 24.0 22.3 33.5

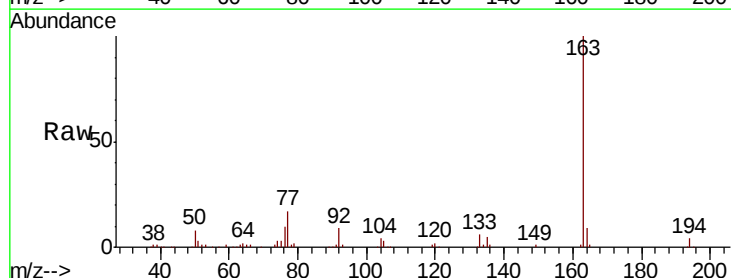


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

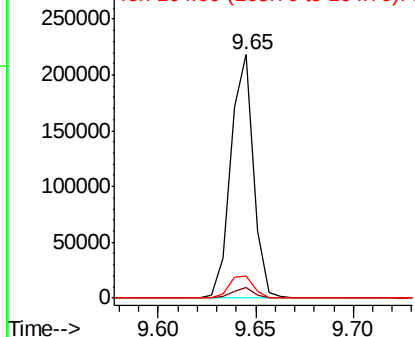
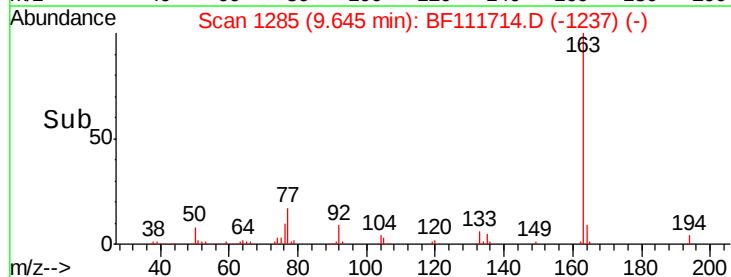


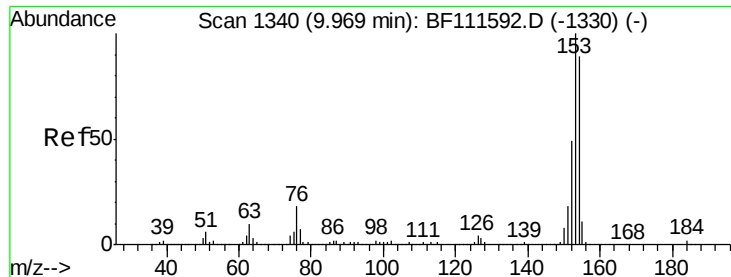
#50
Dimethylphthalate
Concen: 7.788 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:163 Resp: 174430
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.1 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
300000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.328 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

Instrument :

BNA_E

ClientSampleId :

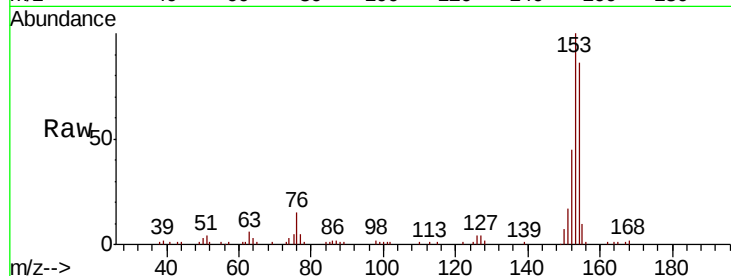
Tot Ion:154 Resp: 42934

Ion Ratio Lower Upper

154 100

153 115.7 87.8 131.8

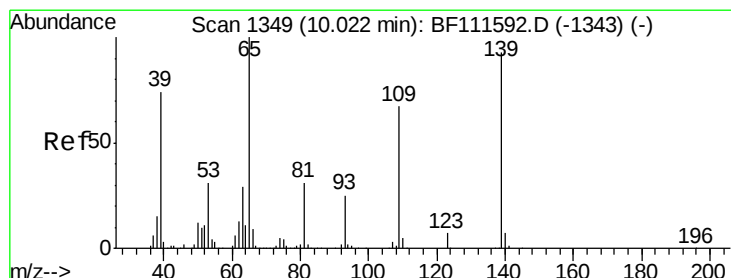
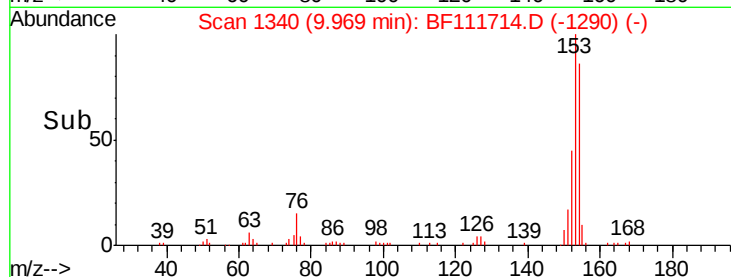
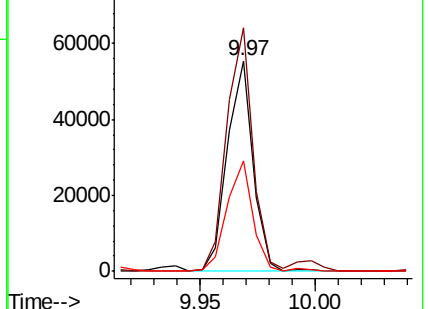
152 52.2 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 3.920 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.09 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

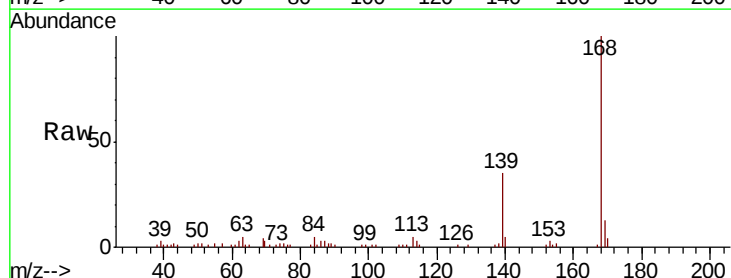
Tgt Ion:139 Resp: 14248

Ion Ratio Lower Upper

139 100

109 1.7 41.8 81.8#

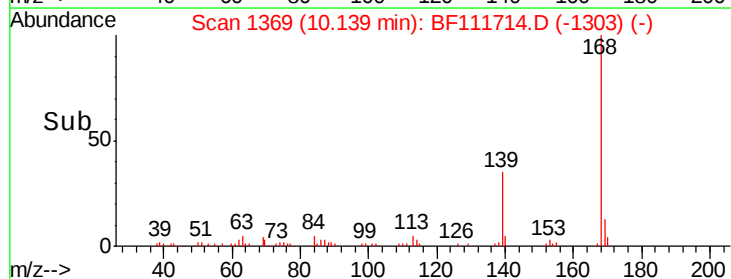
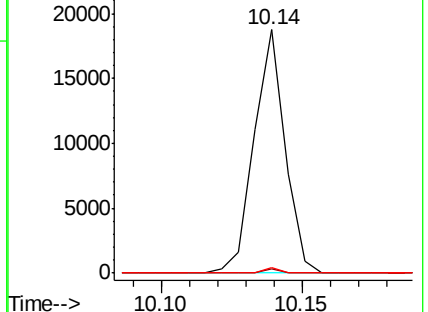
65 2.1 79.6 119.6#

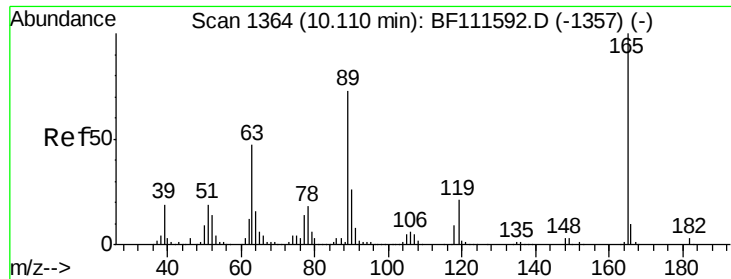


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

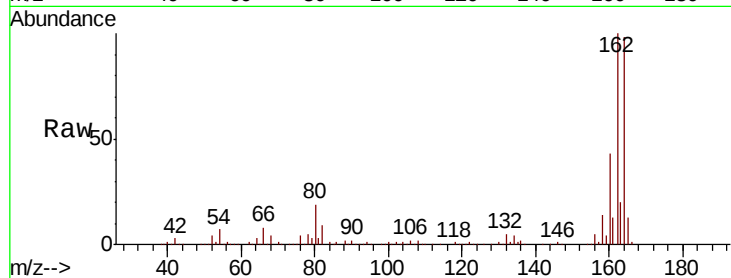




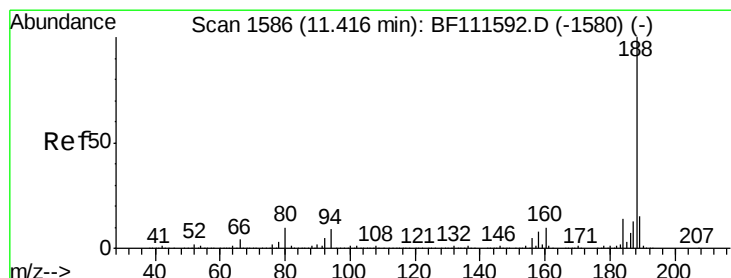
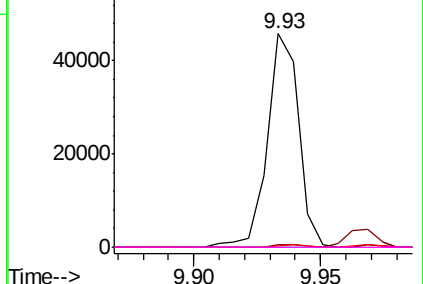
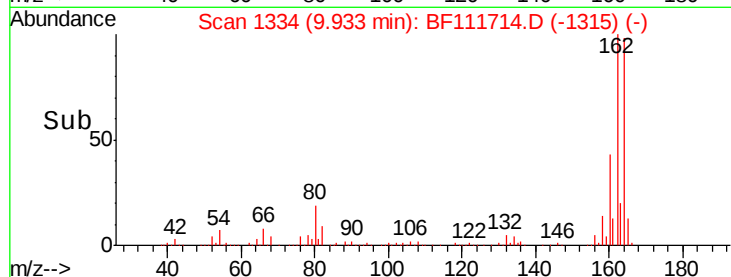
#57
 2,4-Dinitrotoluene
 Concen: 7.401 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF111714.D
 Acq: 26 Dec 2018 14:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:165	Resp:	39722
Ion Ratio	Lower	Upper
165	100	
63	1.4	34.6 52.0#
89	0.9	56.2 84.4#
182	0.0	1.8 2.6#

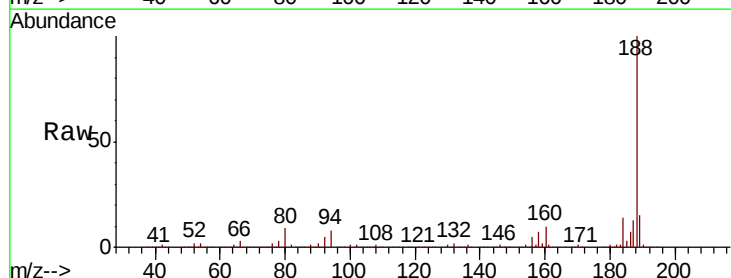


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

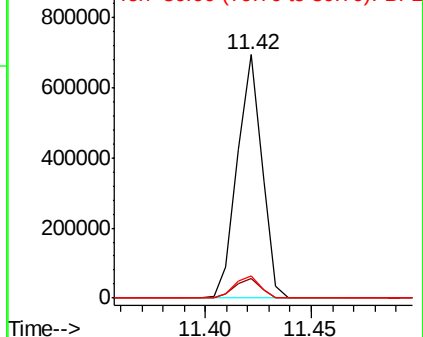
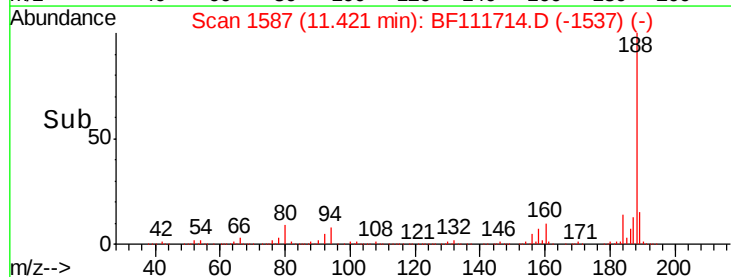


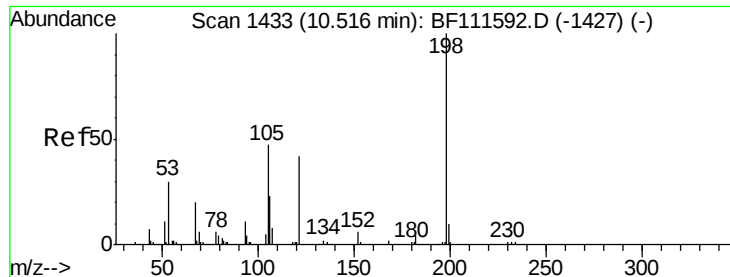
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF111714.D
 Acq: 26 Dec 2018 14:23

Tgt Ion:188	Resp:	560296
Ion Ratio	Lower	Upper
188	100	
94	8.2	9.6 14.4#
80	9.0	9.8 14.6#



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

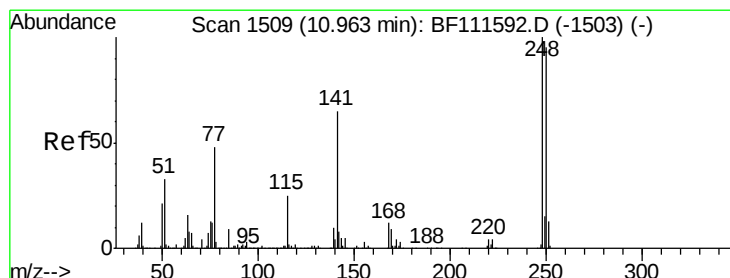
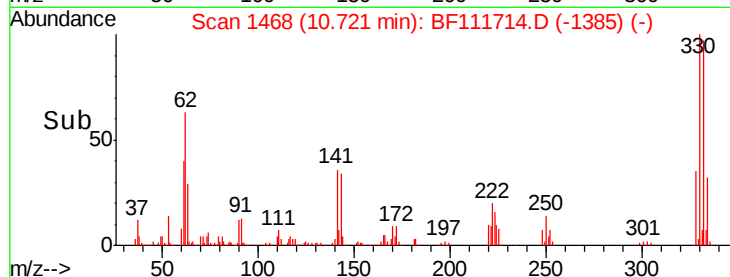
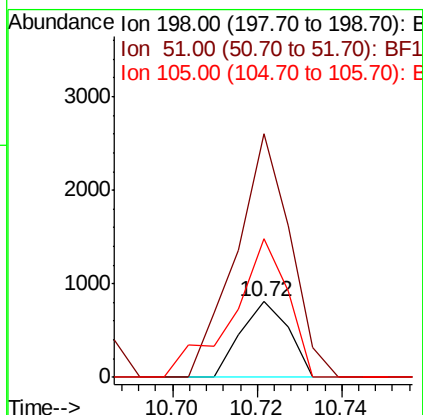
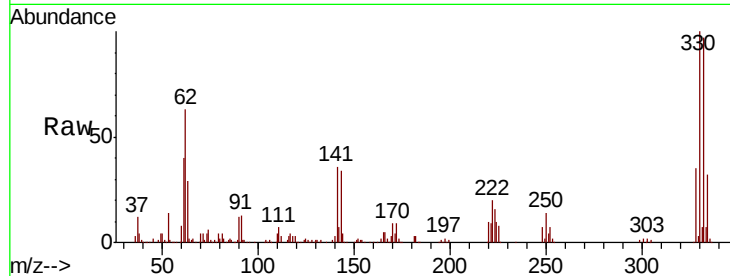




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.930 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF111714.D
 Acq: 26 Dec 2018 14:23

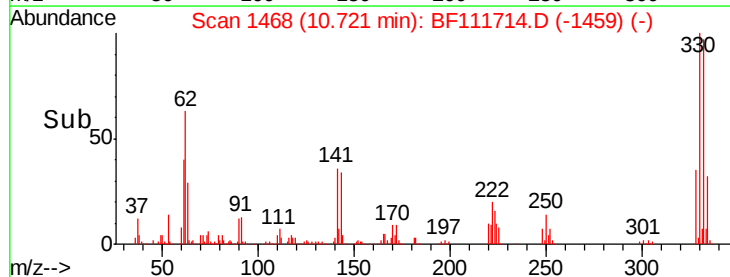
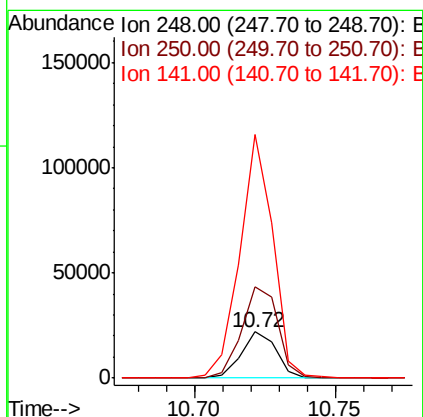
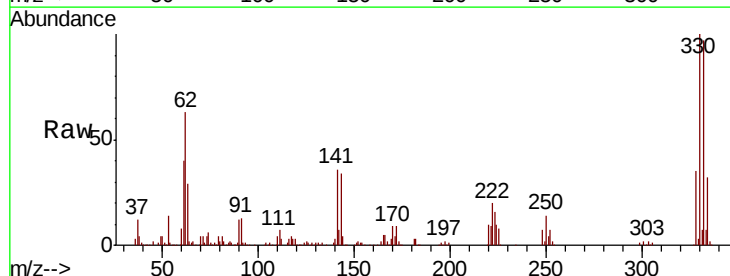
Instrument :
 BNA_E
 ClientSampleId :

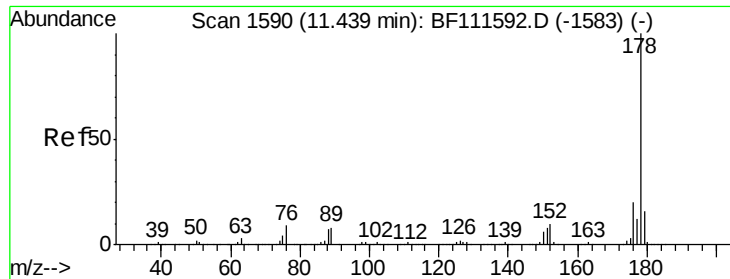
Tot Ion:198 Resp: 638
 Ion Ratio Lower Upper
 198 100
 51 322.0 48.0 88.0#
 105 183.4 34.0 74.0#



#67
 4-Bromophenyl-phenylether
 Concen: 2.724 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.25 min
 Lab File: BF111714.D
 Acq: 26 Dec 2018 14:23

Tgt Ion:248 Resp: 18927
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.0 115.4#
 141 524.8 63.0 94.6#

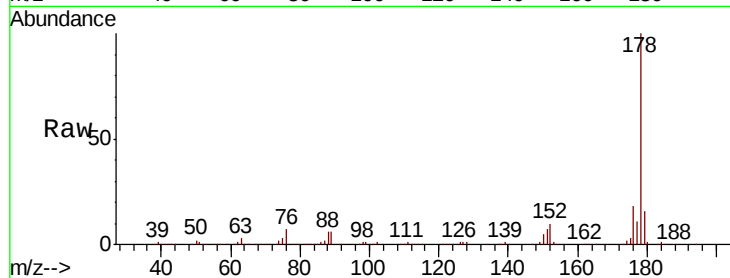




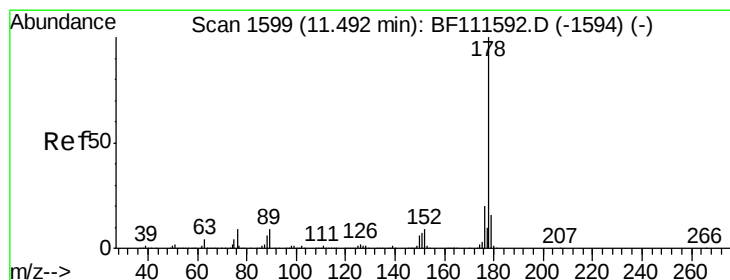
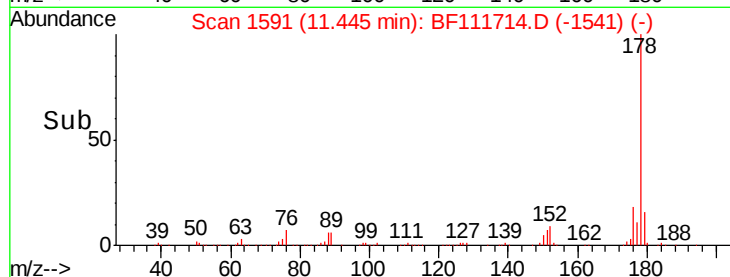
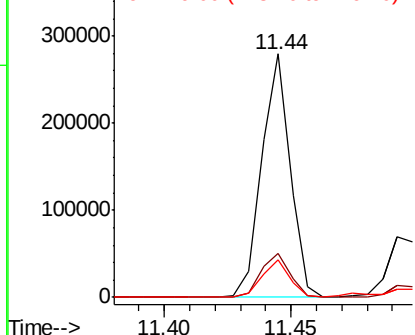
#71
Phenanthrene
Concen: 7.386 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 219484
Ion Ratio Lower Upper
178 100
176 18.1 18.1 27.1
179 15.6 14.0 21.0

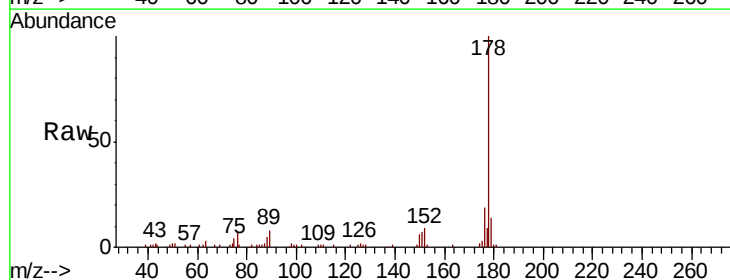


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

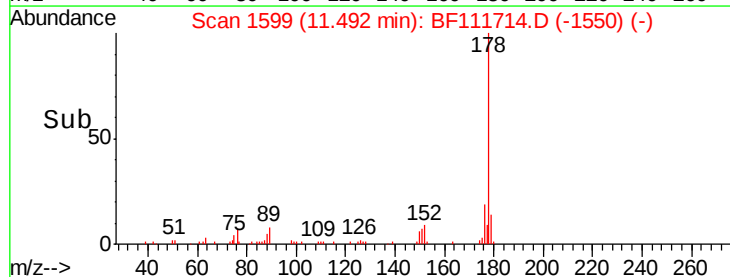
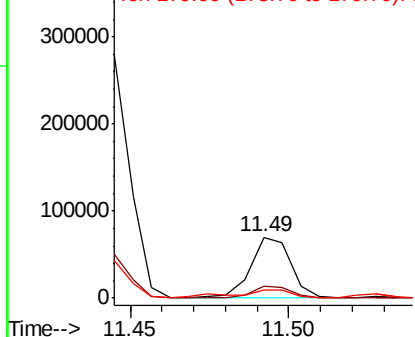


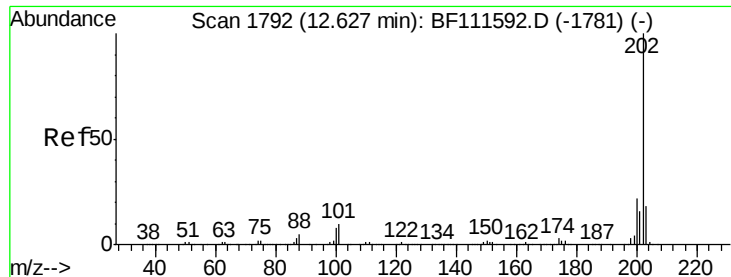
#72
Anthracene
Concen: 2.024 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:178 Resp: 60372
Ion Ratio Lower Upper
178 100
176 18.7 17.2 25.8
179 14.2 13.8 20.8



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





#75

Fluoranthene

Concen: 6.627 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

Instrument :

BNA_E

ClientSampleId :

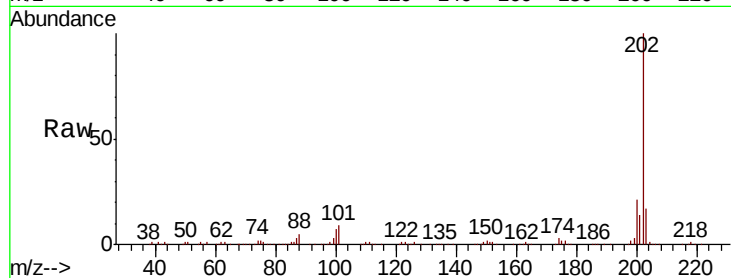
Tot Ion:202 Resp: 199415

Ion Ratio Lower Upper

202 100

101 9.1 0.0 33.8

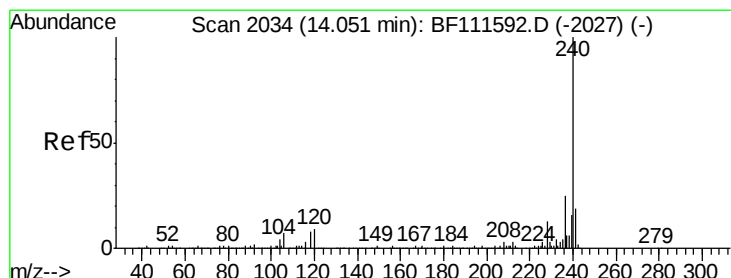
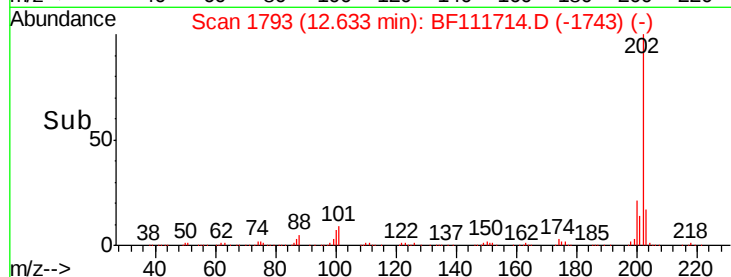
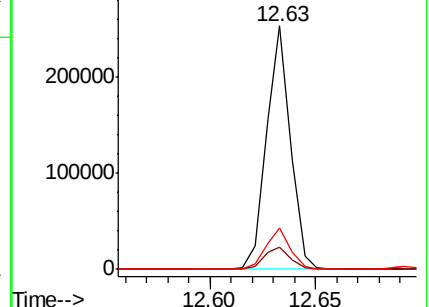
203 17.1 0.0 38.6



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF111714.D

Acq: 26 Dec 2018 14:23

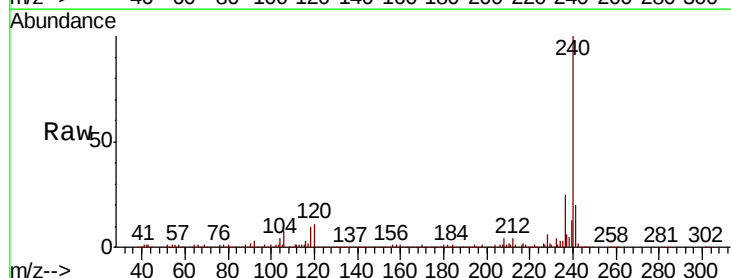
Tgt Ion:240 Resp: 495442

Ion Ratio Lower Upper

240 100

120 10.9 12.2 18.2#

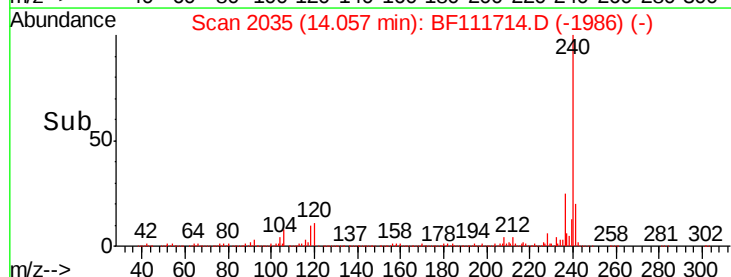
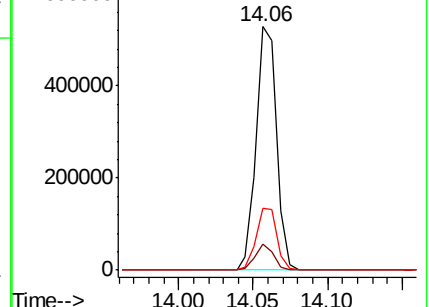
236 25.2 20.2 30.2

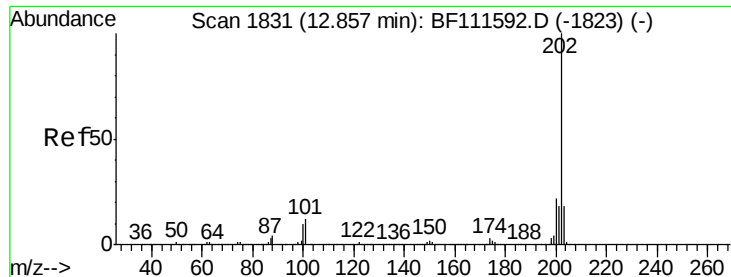


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

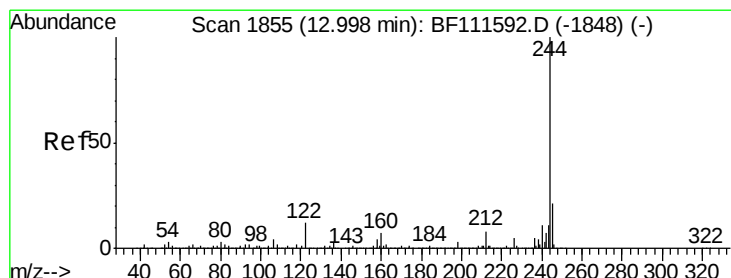
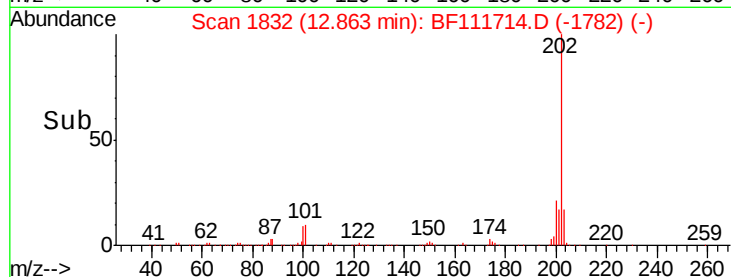
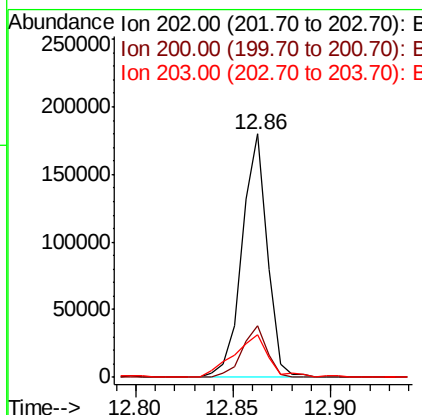
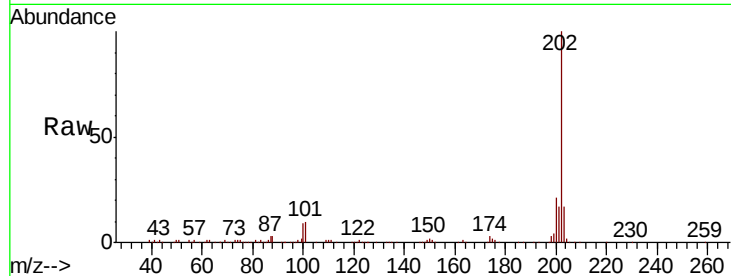




#78
Pvrene
Concen: 4.627 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

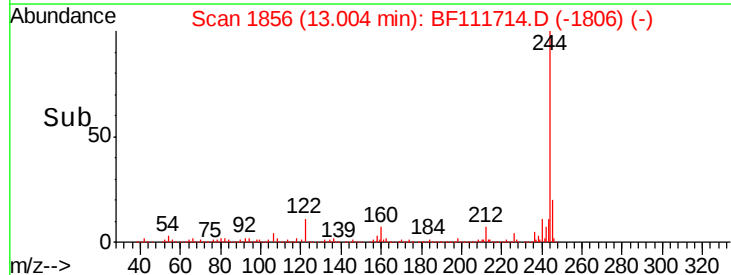
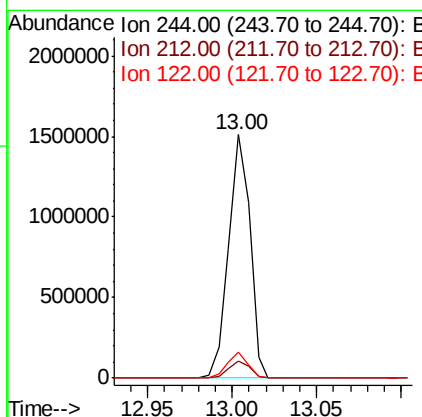
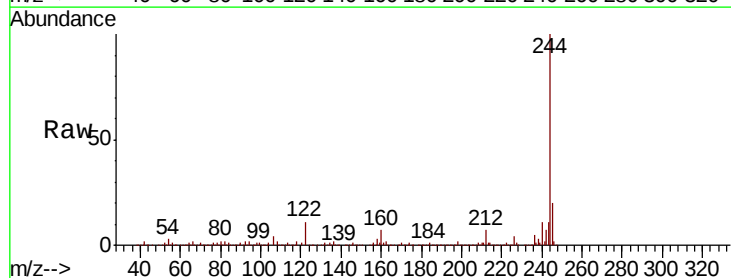
Instrument :
BNA_E
ClientSampleId :

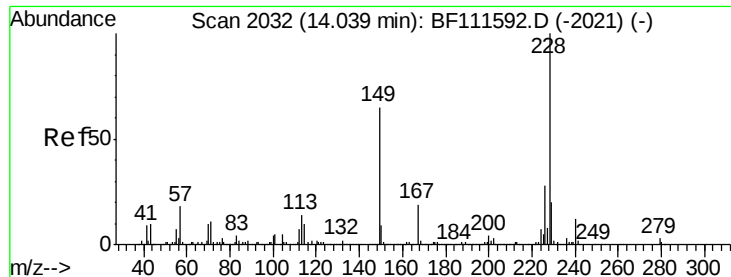
Tot Ion:202 Resp: 161890
Ion Ratio Lower Upper
202 100
200 21.4 19.0 28.4
203 17.4 15.2 22.8



#79
Terphenyl-d14
Concen: 50.638 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:244 Resp: 1322922
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.7 13.1 19.7#

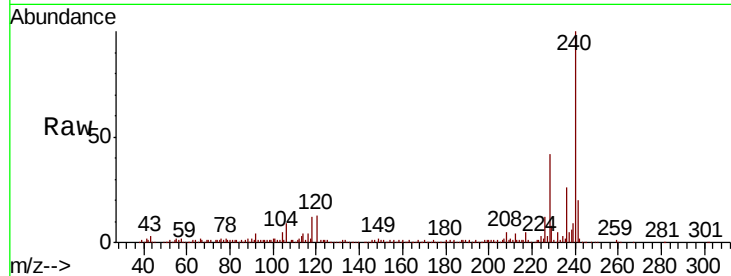




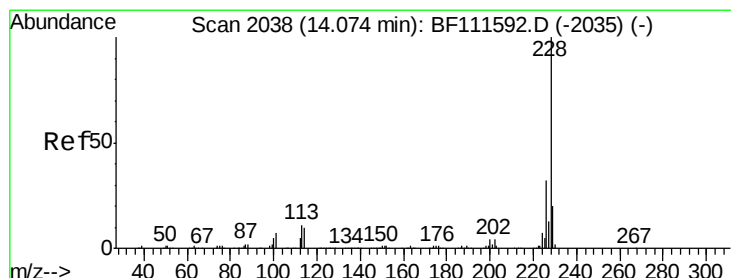
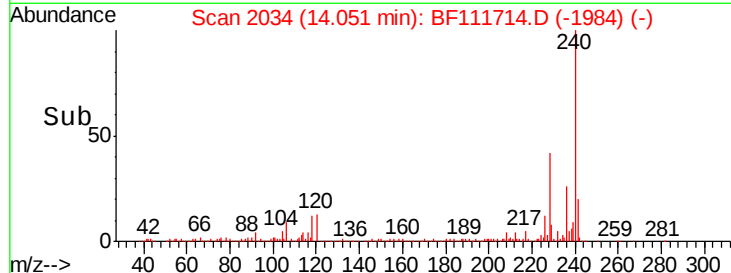
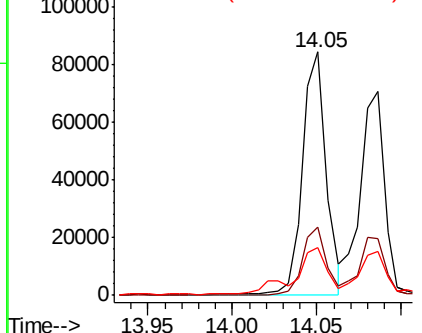
#81
Benzo(a)anthracene
Concen: 2.930 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 82838
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 19.7 16.3 24.5

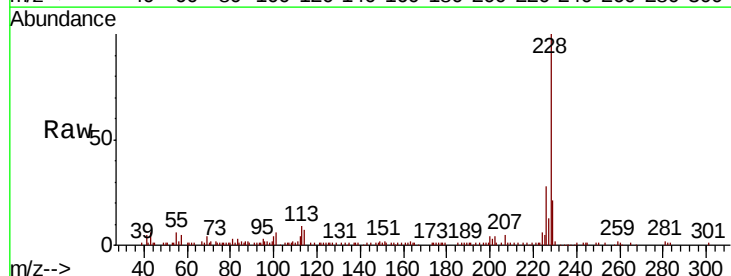


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

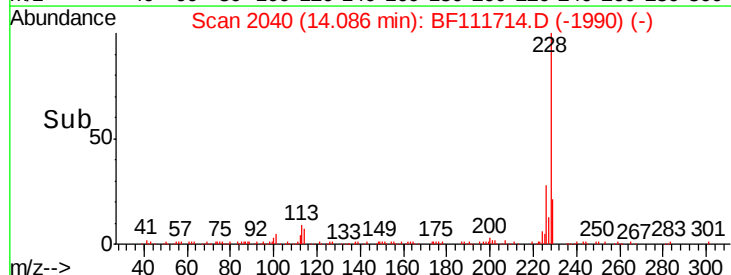
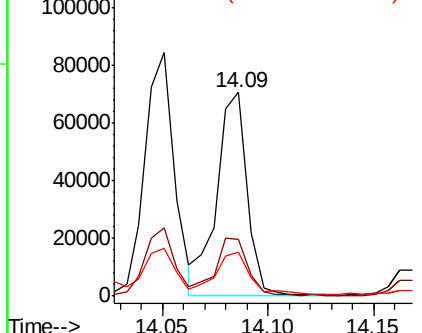


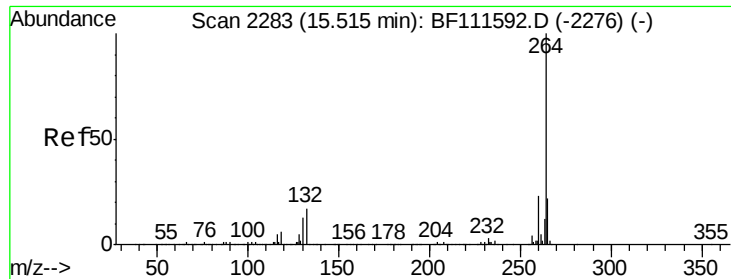
#83
Chrysene
Concen: 2.567 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:228 Resp: 71348
Ion Ratio Lower Upper
228 100
226 28.1 25.3 37.9
229 21.4 17.2 25.8



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

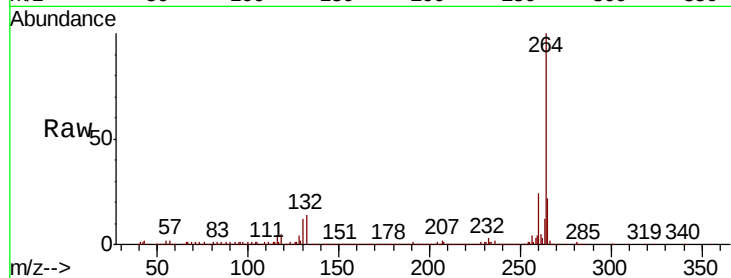




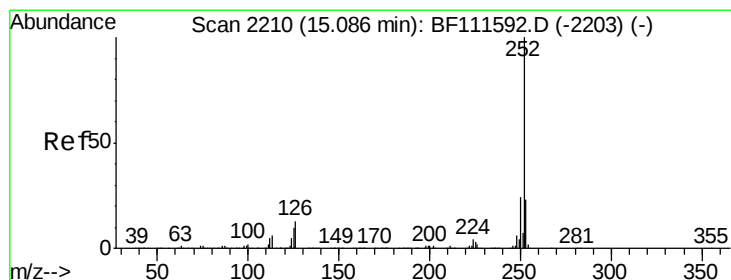
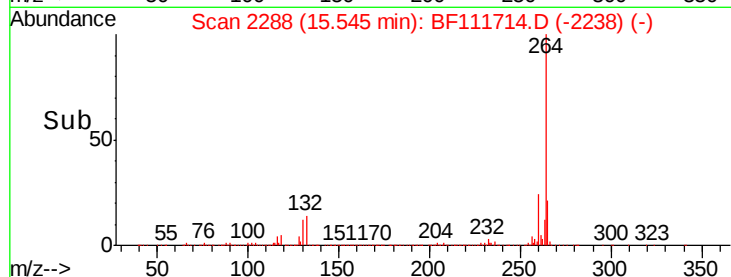
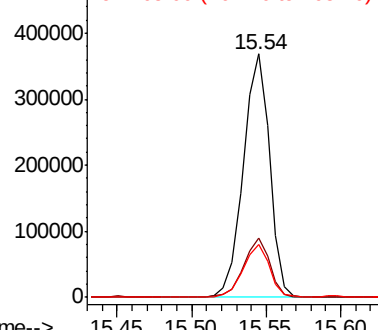
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampled :

Tot Ion:264 Resp: 450644
Ion Ratio Lower Upper
264 100
260 24.2 18.3 27.5
265 21.6 17.7 26.5

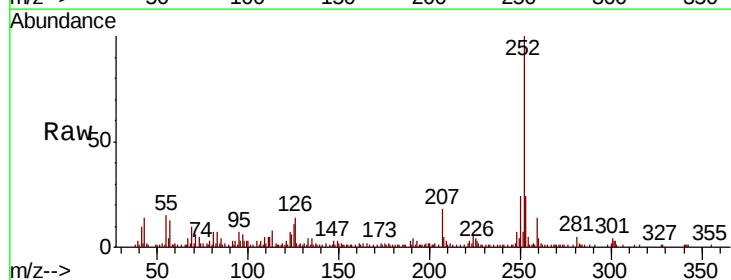


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

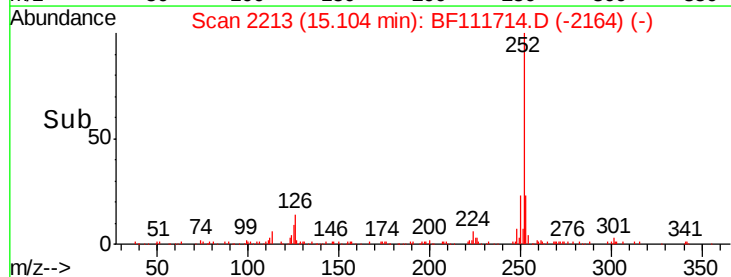
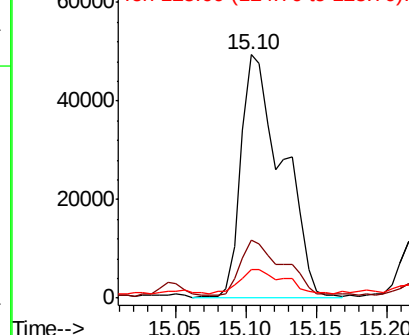


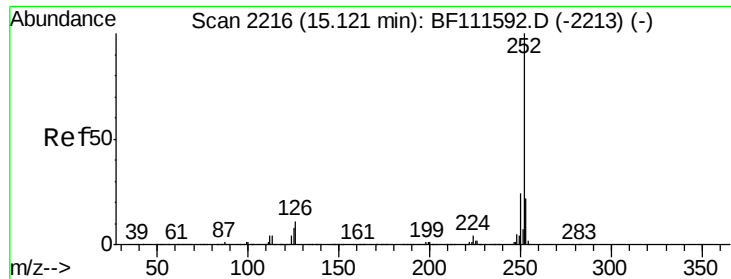
#88
Benzo(b)fluoranthene
Concen: 3.874 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion:252 Resp: 102040
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 11.5 10.4 15.6



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

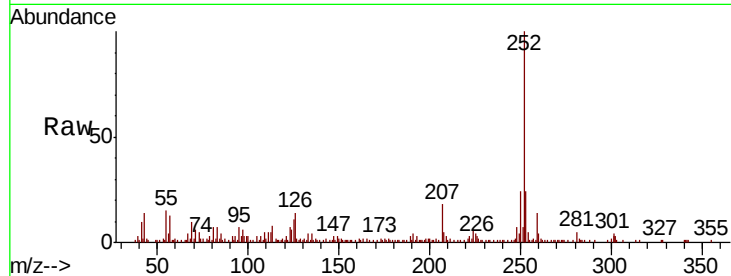




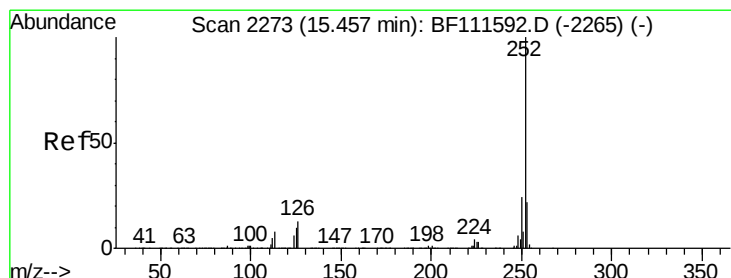
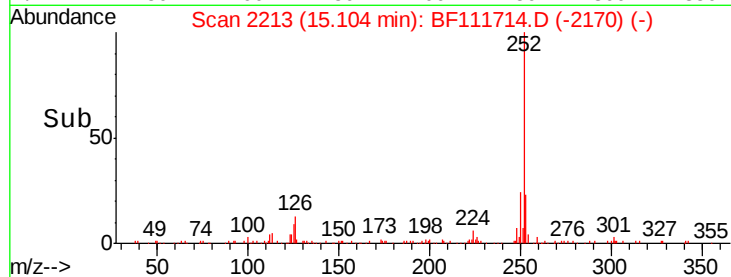
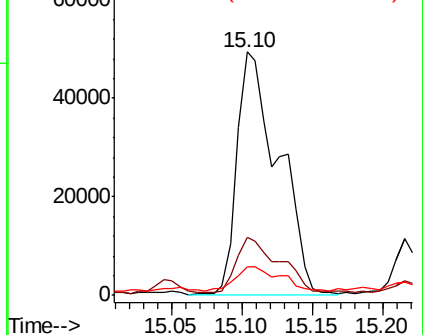
#89
Benzo(k)fluoranthene
Concen: 4.070 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.05 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	11.5	9.8	14.8

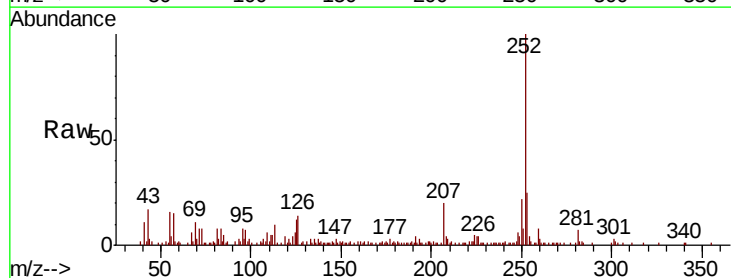


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.216 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BF111714.D
Acq: 26 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	11.5	12.3	18.5



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

