

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111627.D
 Acq On : 20 Dec 2018 8:43
 Operator : JU/SJ
 Sample : J6465-04DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 10:05:16 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 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	172728	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	613591	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	285498	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	506650	20.00	ng	0.00
76) Chrysene-d12	14.05	240	451177	20.00	ng	0.00
87) Perylene-d12	15.52	264	321075	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	483176	47.68	ng	0.00
7) Phenol-d6	6.52	99	606082	47.00	ng	0.00
23) Nitrobenzene-d5	7.45	82	340576	32.31	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	147917	43.85	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	688250	35.14	ng	0.00
79) Terphenyl-d14	12.99	244	712062	29.93	ng	0.00

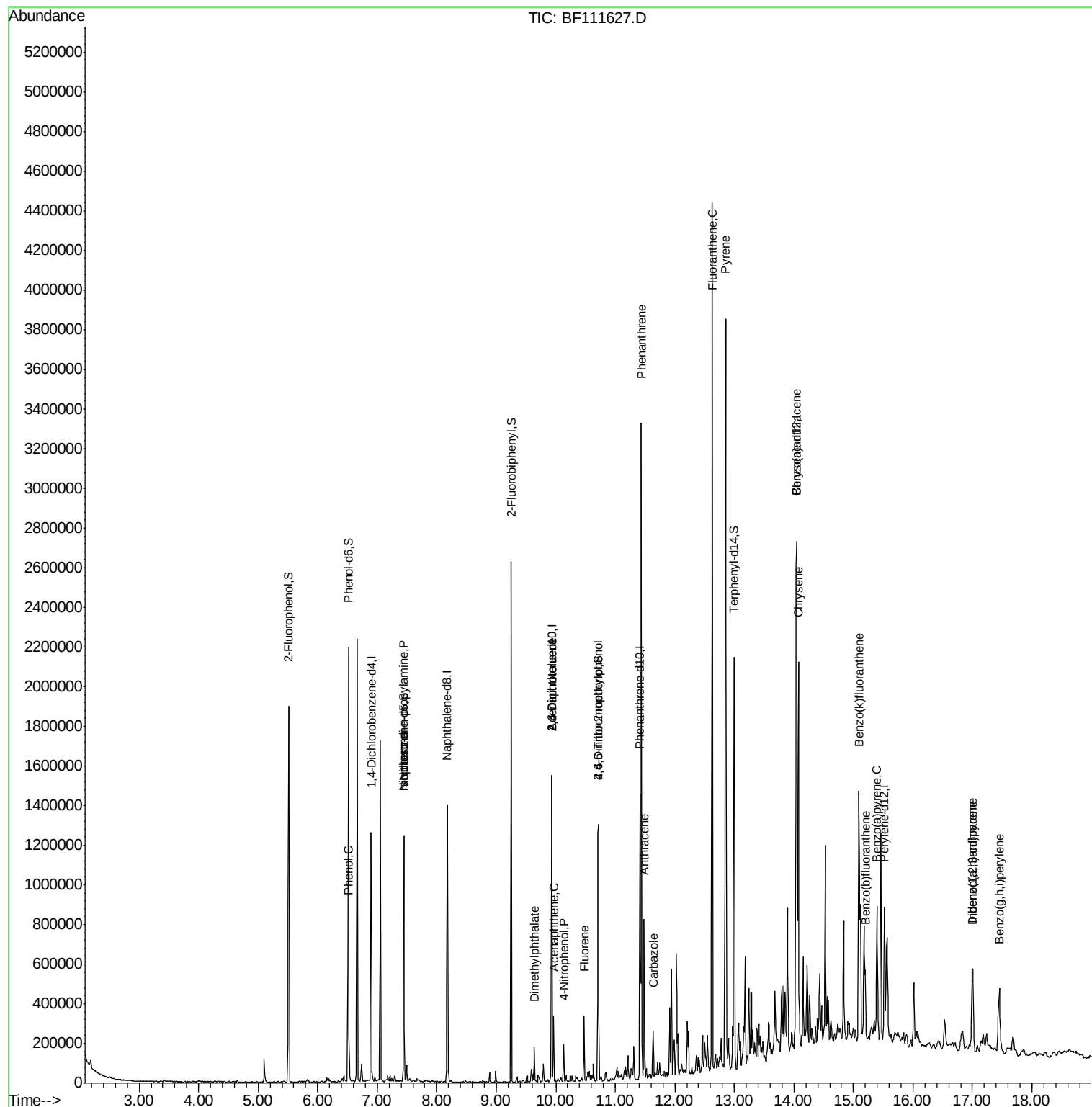
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	46100	3.168	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	47917	5.595	ng	# 75
25) Isophorone	7.45	82	340130	18.175	ng	# 64
50) Dimethylphthalate	9.64	163	59988	2.873	ng	96
51) 2,6-Dinitrotoluene	9.93	165	38838	9.329	ng	# 29
52) Acenaphthene	9.96	154	58540	3.405	ng	94
56) 4-Nitrophenol	10.13	139	17831	5.263	ng	# 9
57) 2,4-Dinitrotoluene	9.93	165	38838	7.762	ng	# 25
58) Fluorene	10.47	166	77781	4.155	ng	98
65) 4,6-Dinitro-2-methylphenol	10.72	198	278	6.807	ng	# 1
71) Phenanthrene	11.44	178	1147010	42.688	ng	95
72) Anthracene	11.49	178	299790	11.116	ng	95
73) Carbazole	11.64	167	88811	3.392	ng	95
75) Fluoranthene	12.63	202	1756674	64.562	ng	98
78) Pyrene	12.86	202	1523471	47.816	ng	97
81) Benzo(a)anthracene	14.04	228	843682	32.766	ng	100
83) Chrysene	14.07	228	703958	27.817	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	298275	13.865	ng	# 84
88) Benzo(b)fluoranthene	15.20	252	112019	5.970	ng	93
89) Benzo(k)fluoranthene	15.09	252	1003395	56.166	ng	98
90) Benzo(a)pyrene	15.40	252	321801	18.876	ng	98
91) Dibenzo(a,h)anthracene	17.01	278	72250	4.840	ng	94
92) Benzo(g,h,i)perylene	17.45	276	266837	18.305	ng	# 86

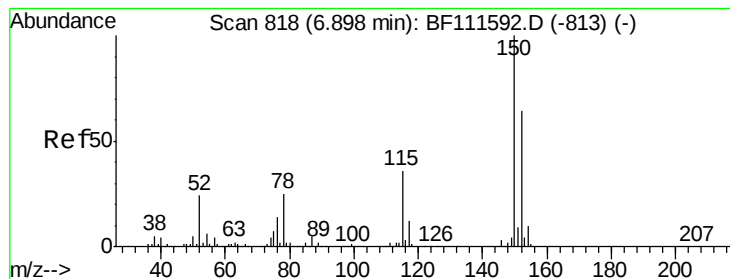
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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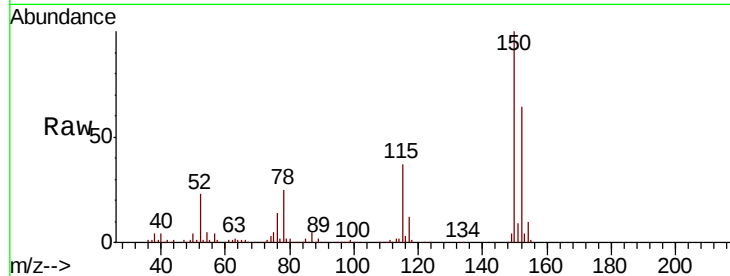


#1

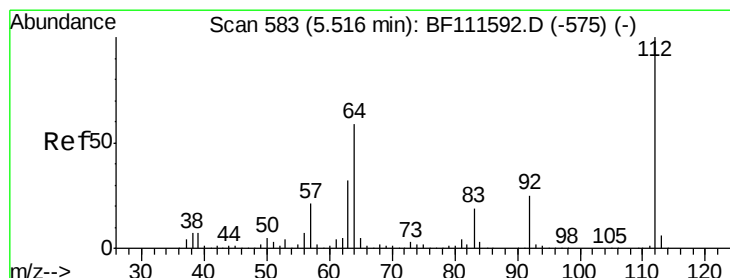
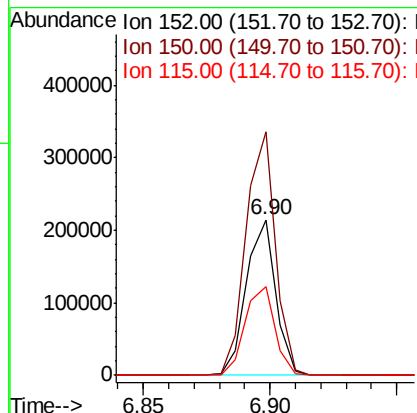
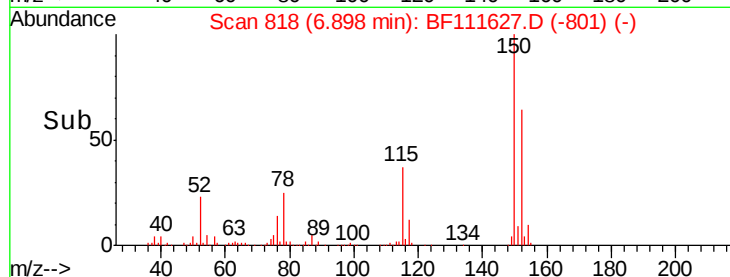
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	57.3	50.7	76.1



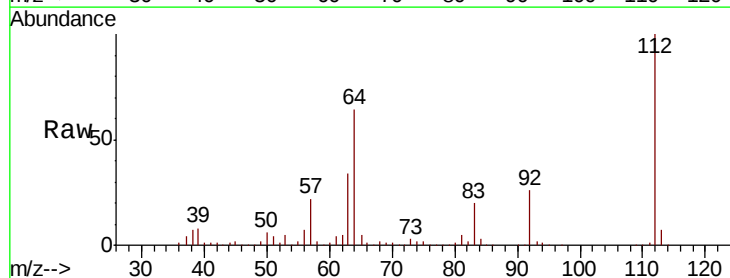
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



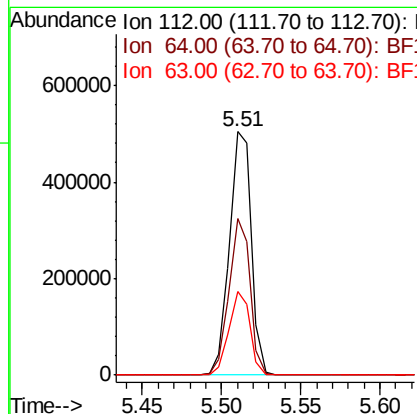
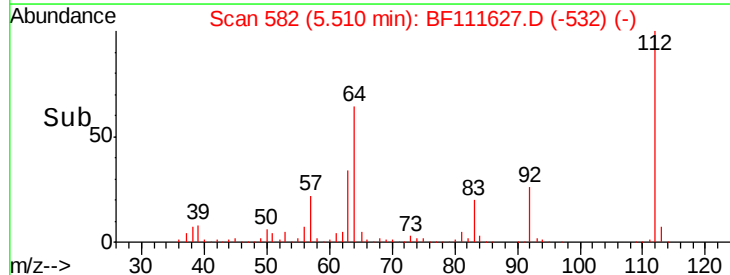
#5

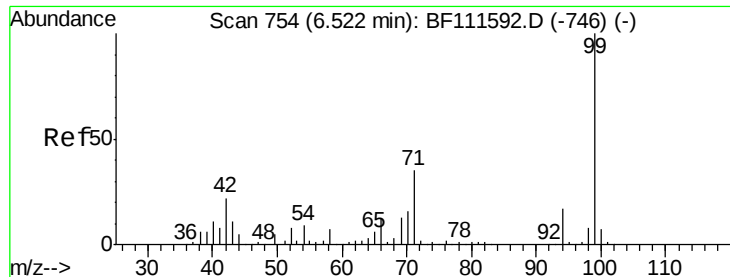
2-Fluorophenol
 Concen: 47.681 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.8	77.6
63	34.4	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: 46.996 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampled :

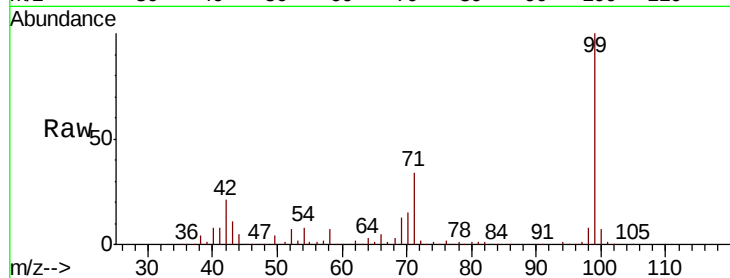
Tot Ion: 99 Resp: 606082

Ion Ratio Lower Upper

99 100

42 21.4 17.4 26.0

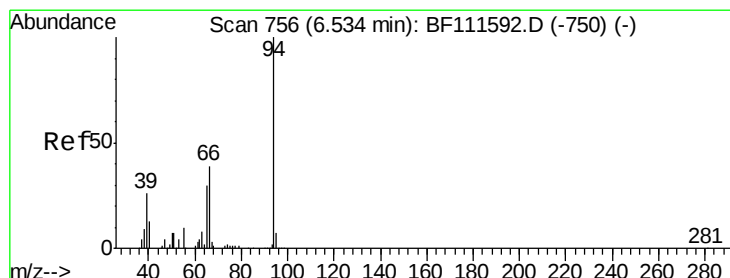
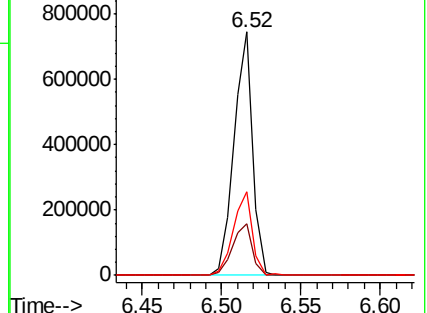
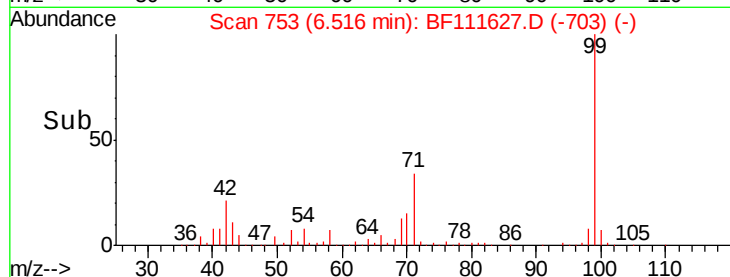
71 34.3 26.1 39.1



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: 3.168 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

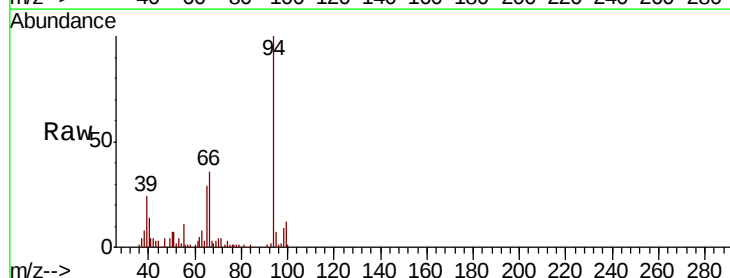
Tgt Ion: 94 Resp: 46100

Ion Ratio Lower Upper

94 100

65 28.8 11.7 51.7

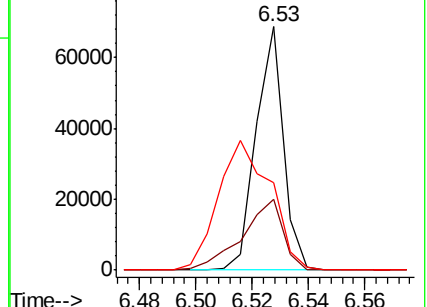
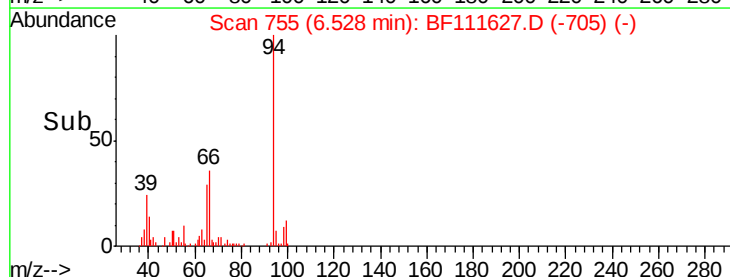
66 36.0 21.0 61.0

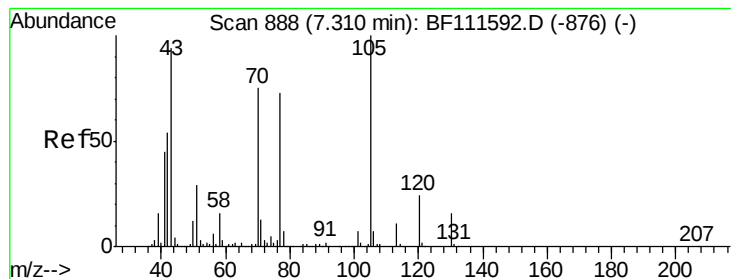


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 5.595 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47917

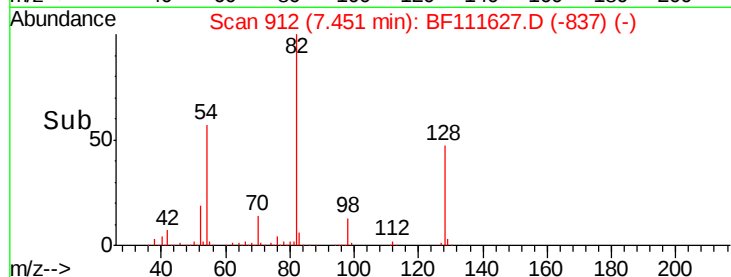
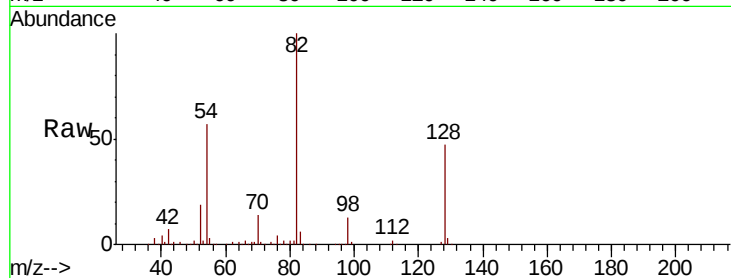
Ion Ratio Lower Upper

70 100

42 51.8 53.2 79.8#

101 0.0 8.2 12.4#

130 2.5 18.1 27.1#

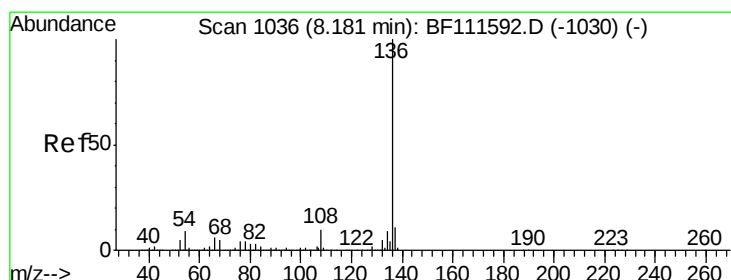
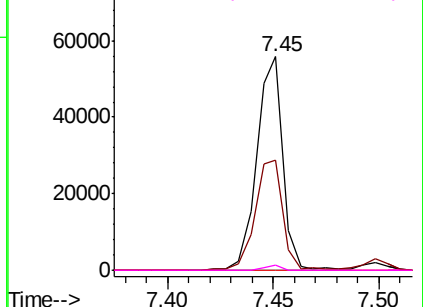


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tgt Ion: 136 Resp: 613591

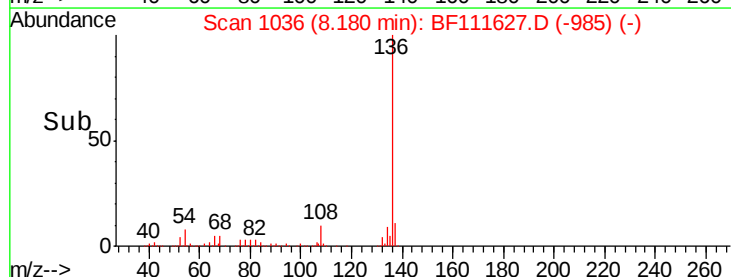
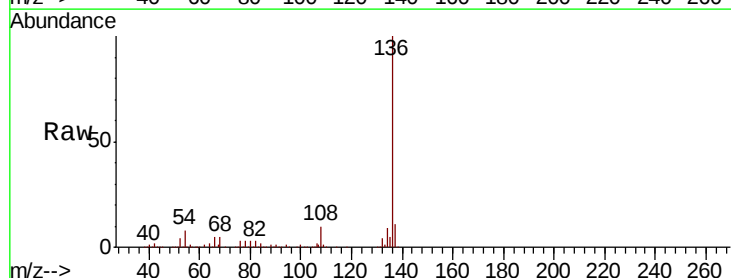
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.8 7.7 11.5

68 4.8 4.9 7.3#

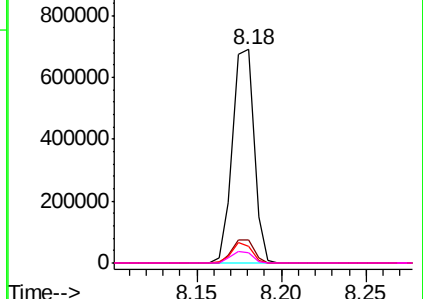


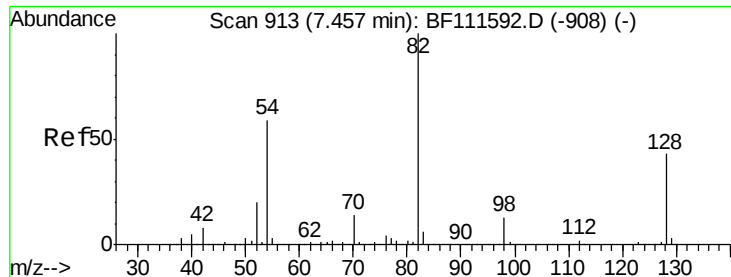
Abundance Ion 136.00 (135.70 to 136.70): E

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

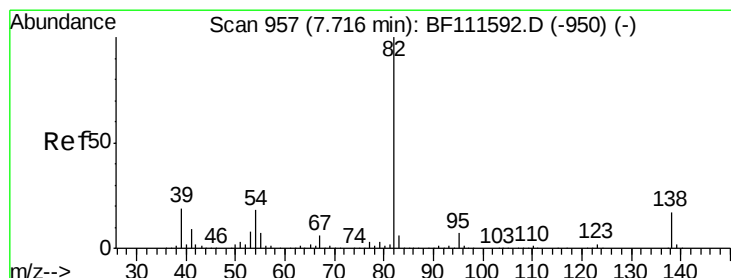
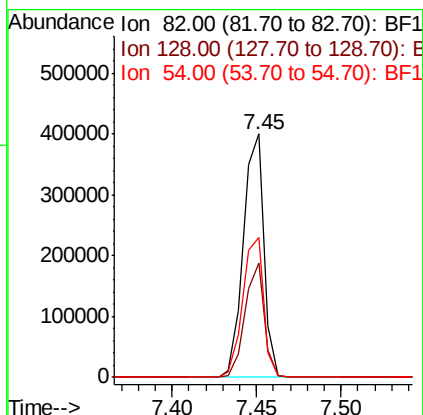
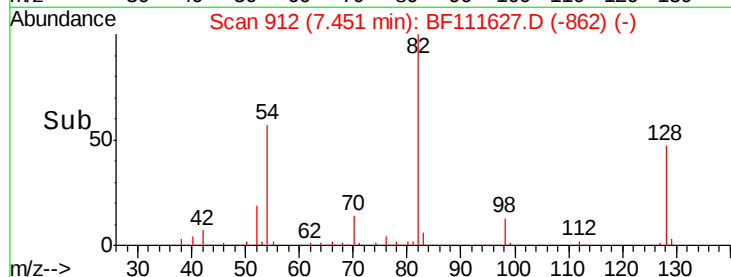
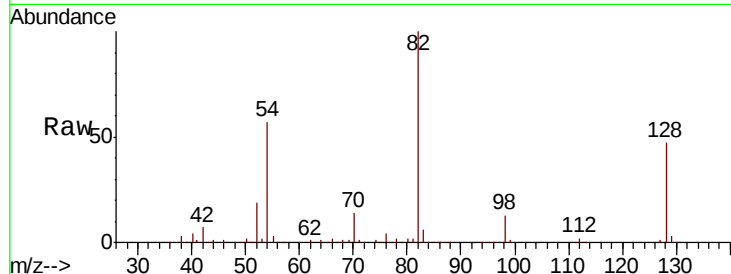




#23
Nitrobenzene-d5
Concen: 32.308 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

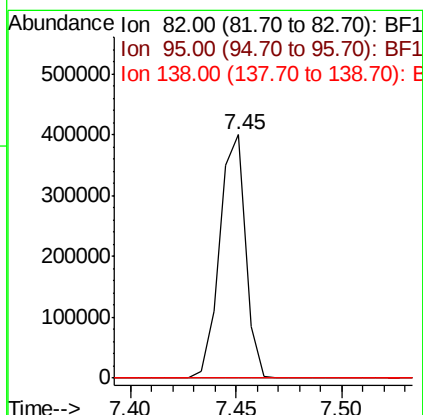
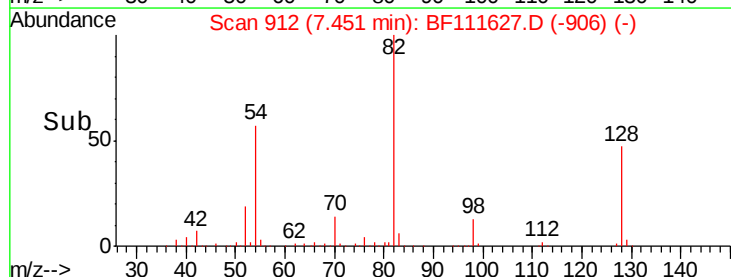
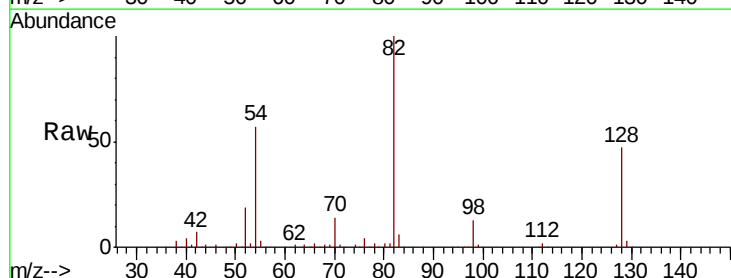
Instrument :
BNA_F
ClientSampled :

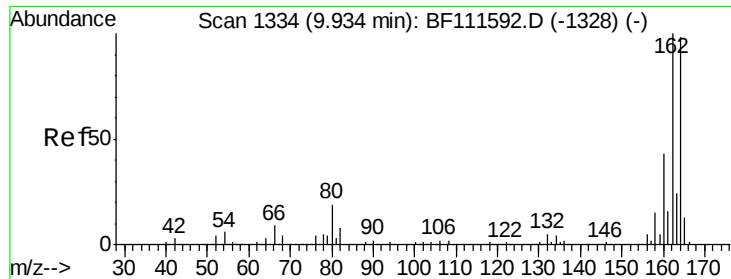
Tot Ion: 82 Resp: 340576
Ion Ratio Lower Upper
82 100
128 47.1 37.4 56.2
54 57.4 47.6 71.4



#25
Isophorone
Concen: 18.175 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion: 82 Resp: 340130
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.2#
138 0.0 15.1 22.7#

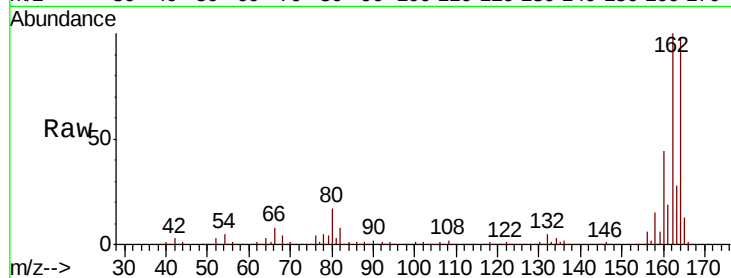




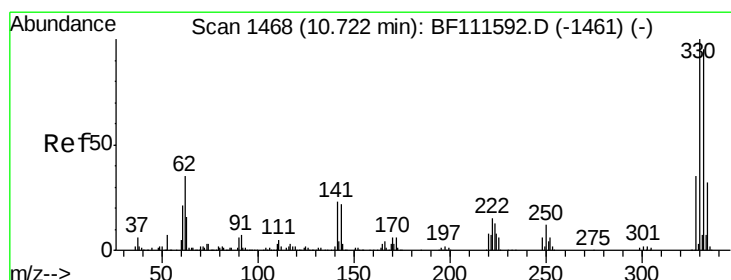
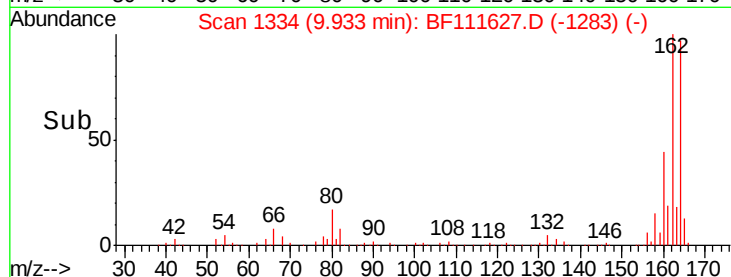
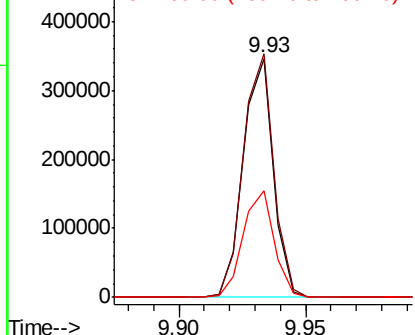
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 285498
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.4 122.0
 160 44.5 35.7 53.5

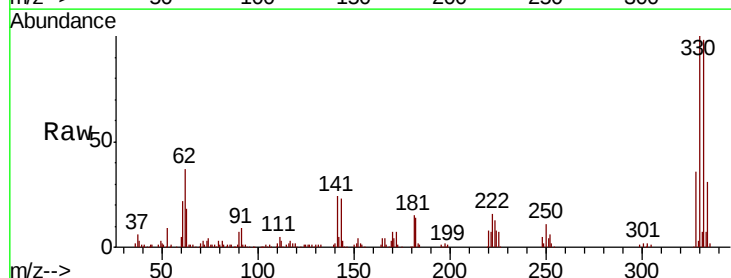


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

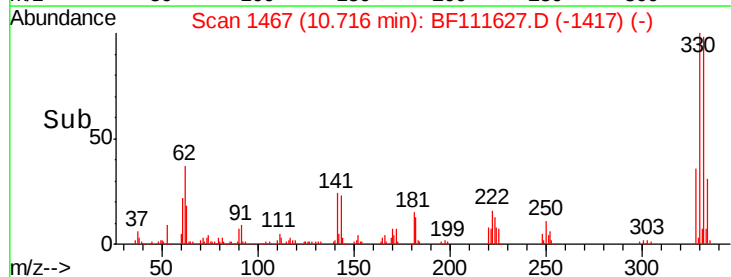
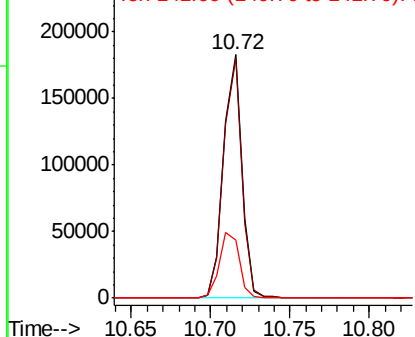


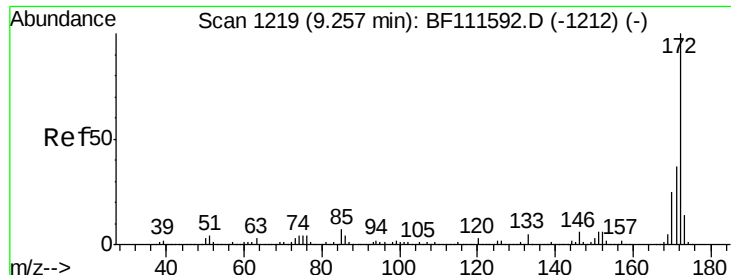
#42
 2,4,6-Tribromophenol
 Concen: 43.848 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion:330 Resp: 147917
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.0 114.0
 141 29.5 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

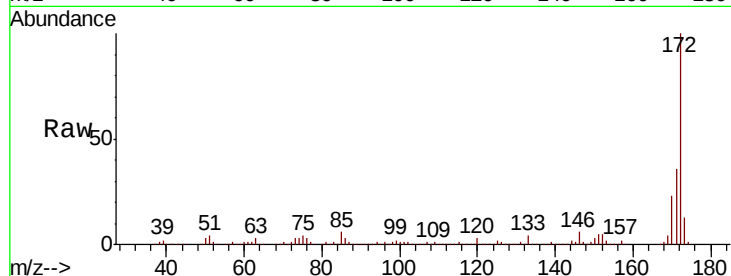




#45
2-Fluorobiphenyl
Concen: 35.138 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	33.0	49.4
170	23.2	22.3	33.5

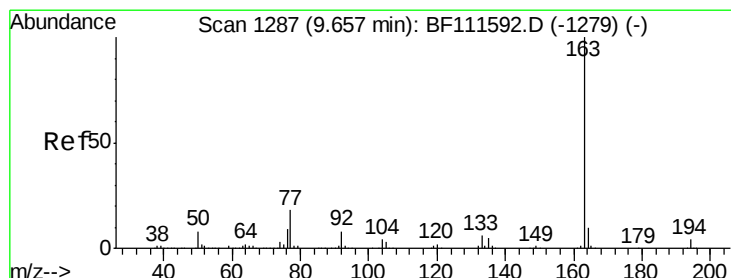
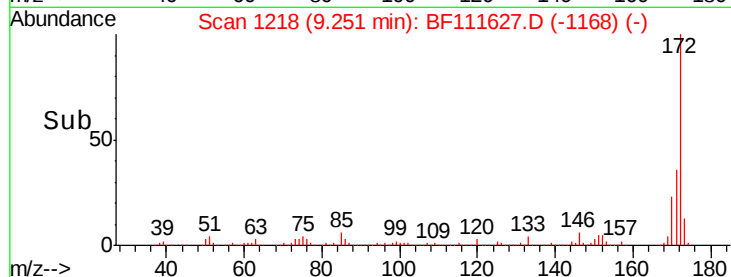
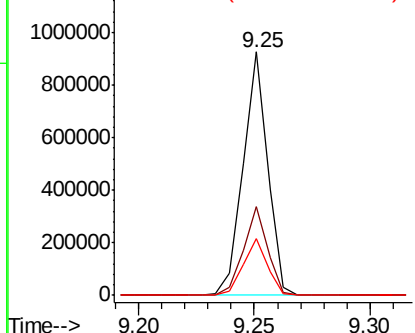


Abundance

Ion 172.00 (171.70 to 172.70): E

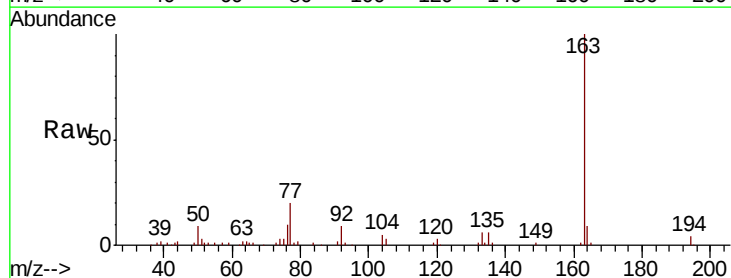
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.873 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.3	8.9	13.3

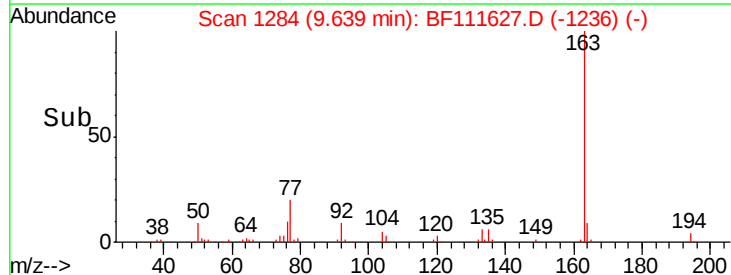
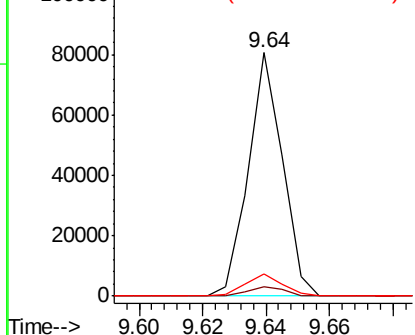


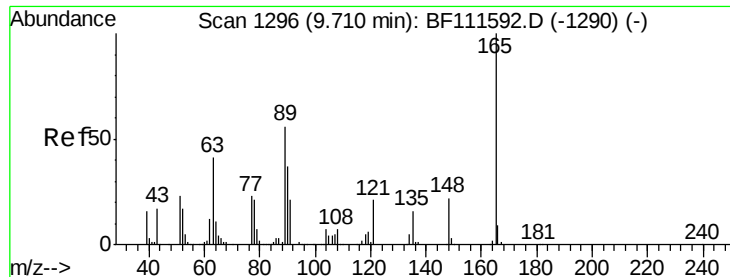
Abundance

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

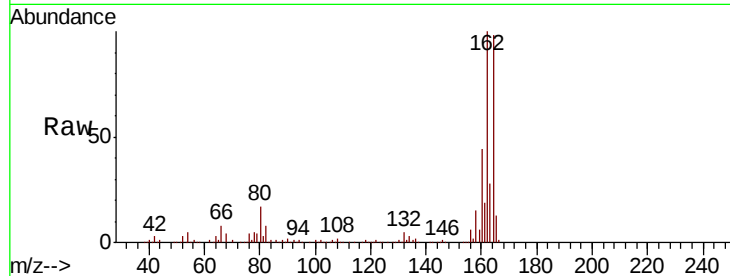




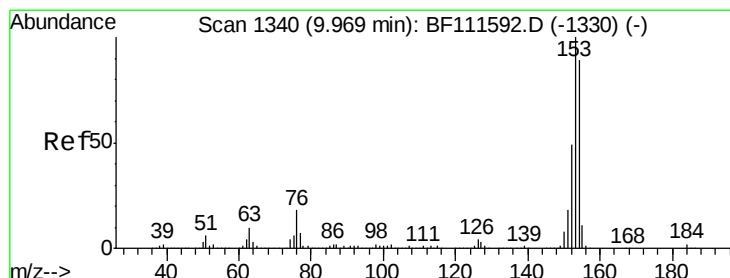
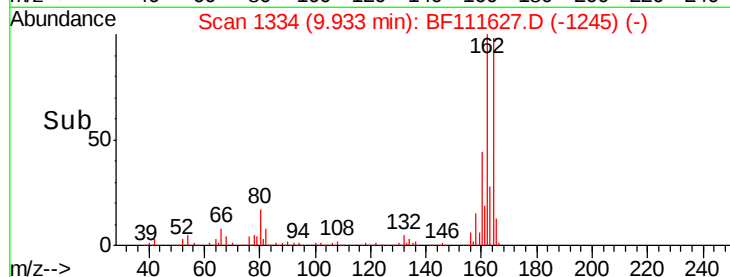
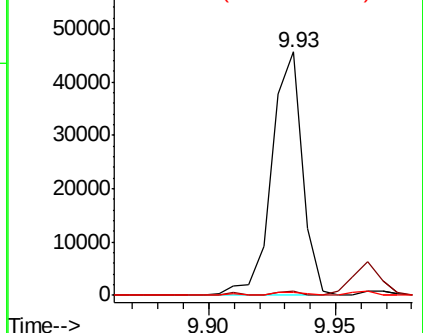
#51
2,6-Dinitrotoluene
Concen: 9.329 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 38838
Ion Ratio Lower Upper
165 100
63 1.7 40.5 60.7#
89 1.2 40.0 60.0#

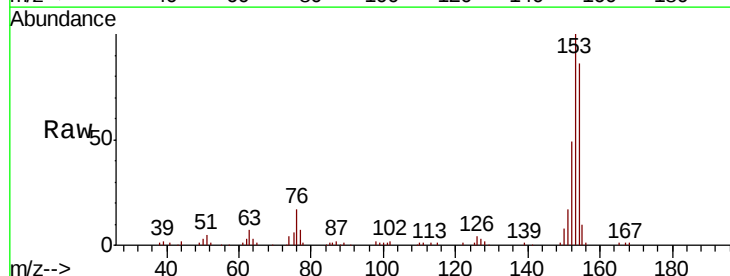


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

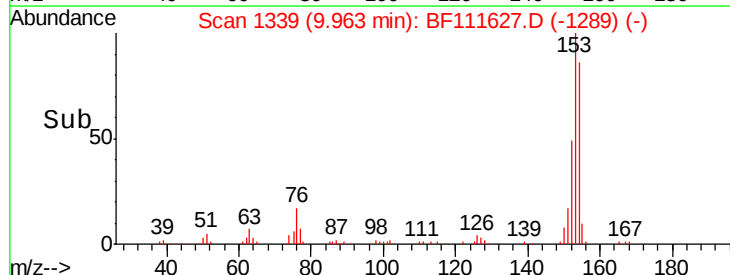
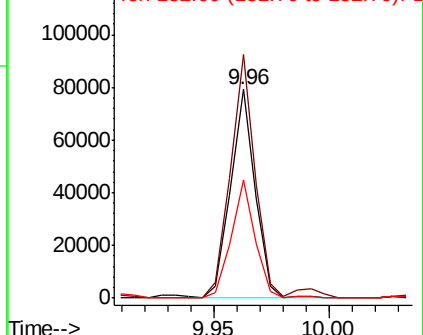


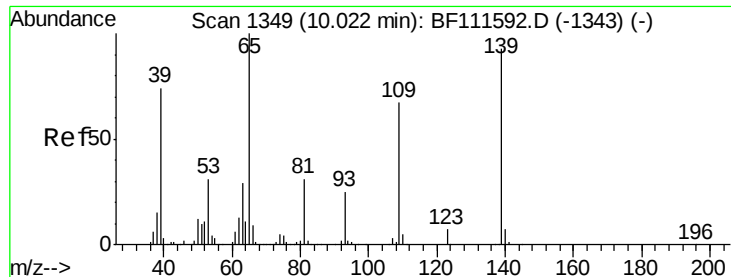
#52
Acenaphthene
Concen: 3.405 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion:154 Resp: 58540
Ion Ratio Lower Upper
154 100
153 116.7 87.8 131.8
152 56.7 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: 5.263 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.11 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

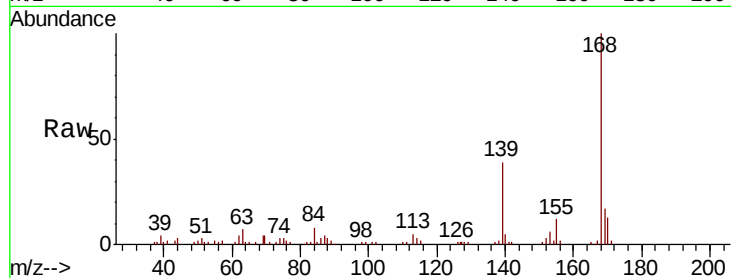
Tot Ion:139 Resp: 17831

Ion Ratio Lower Upper

139 100

109 0.0 41.8 81.8#

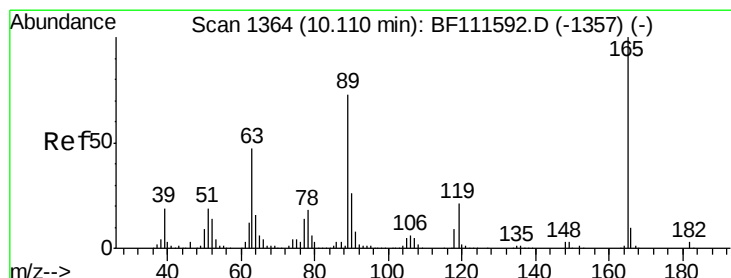
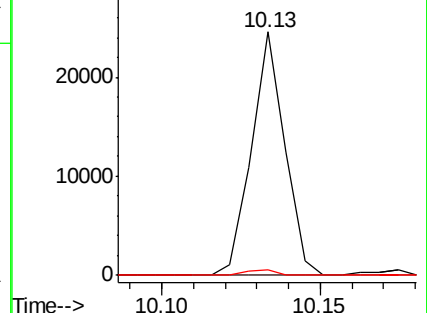
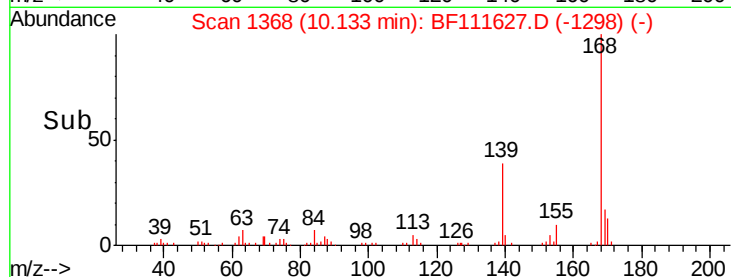
65 2.5 79.6 119.6#



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: 7.762 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Tgt Ion:165 Resp: 38838

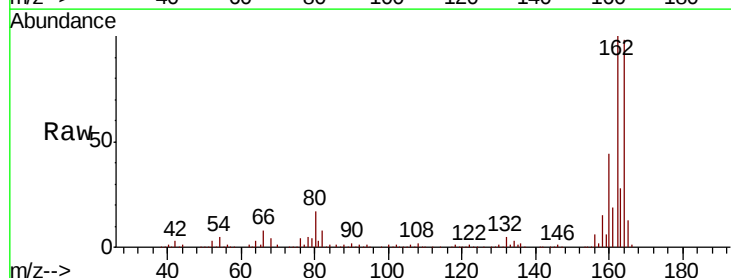
Ion Ratio Lower Upper

165 100

63 1.7 34.6 52.0#

89 1.2 56.2 84.4#

182 0.0 1.8 2.6#

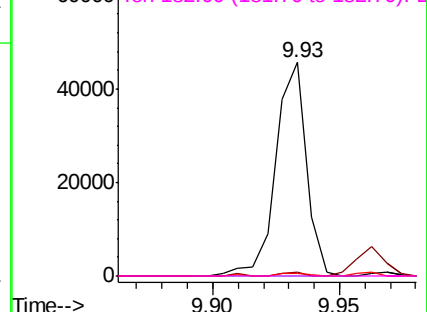
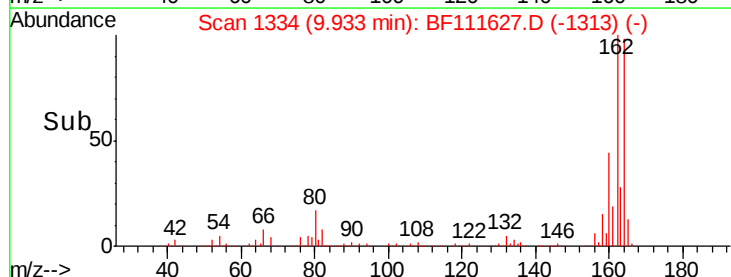


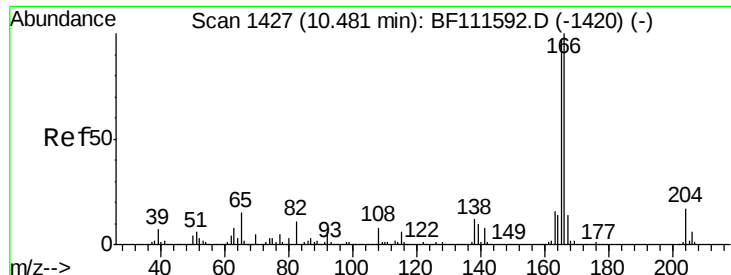
Abundance Ion 165.00 (164.70 to 165.70): E

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

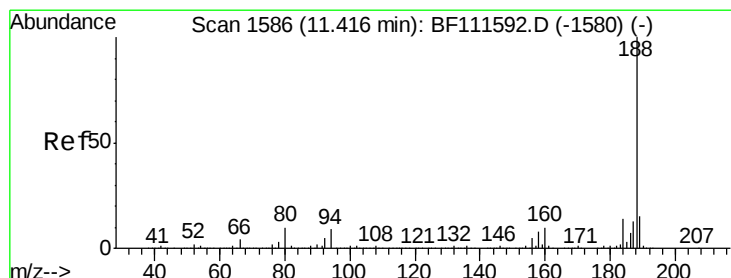
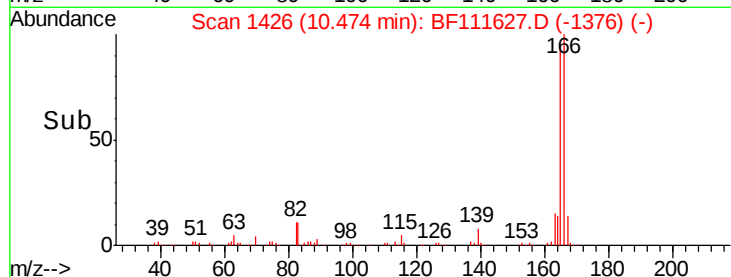
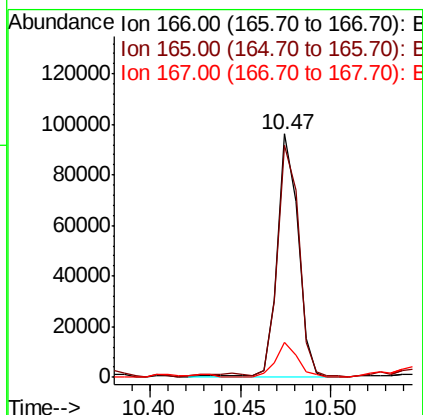
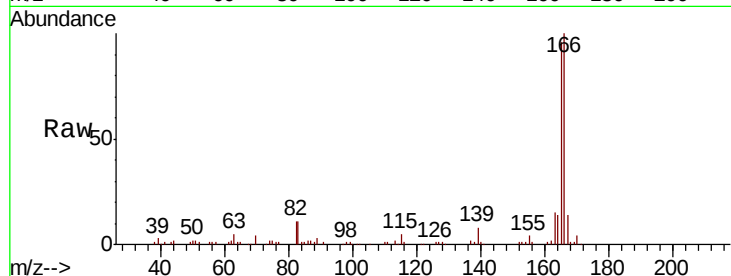




#58
 Fluorene
 Concen: 4.155 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

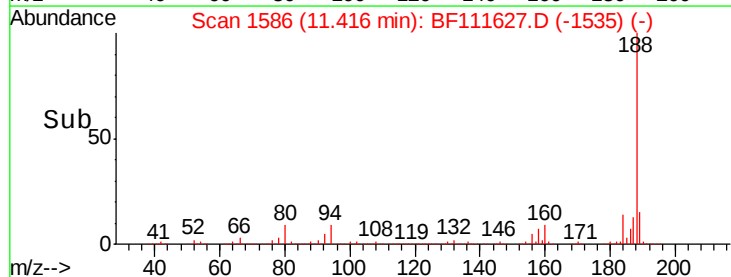
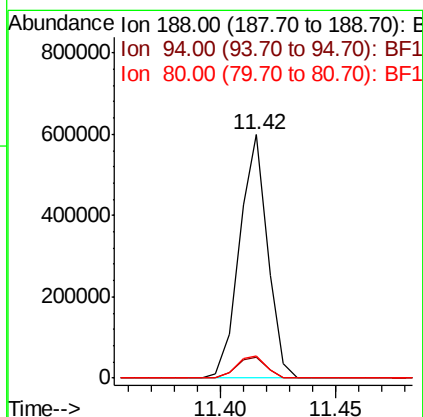
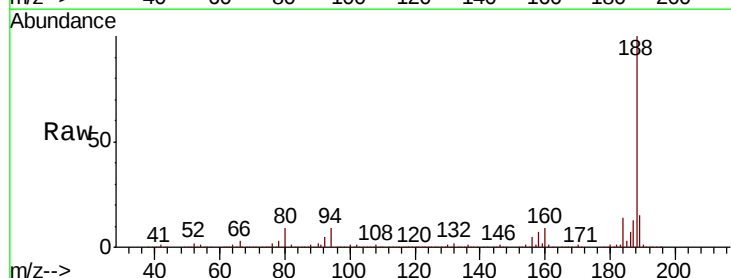
Instrument :
 BNA_F
 ClientSampleId :

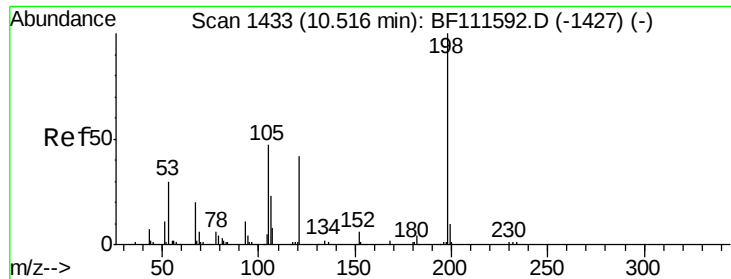
Tot Ion:166 Resp: 77781
 Ion Ratio Lower Upper
 166 100
 165 95.6 78.4 117.6
 167 14.4 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion:188 Resp: 506650
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.6 14.4#
 80 9.2 9.8 14.6#

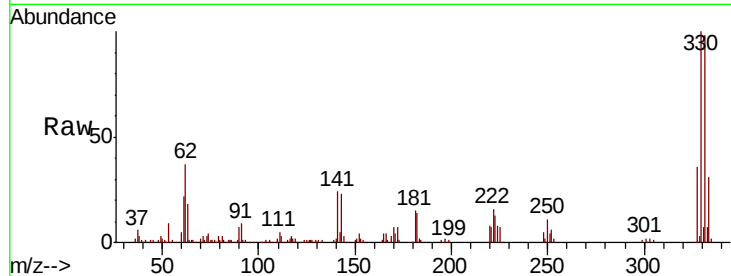




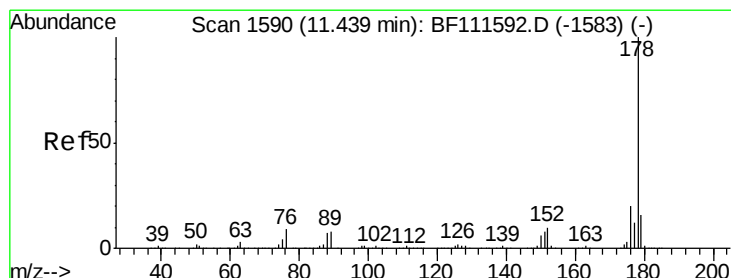
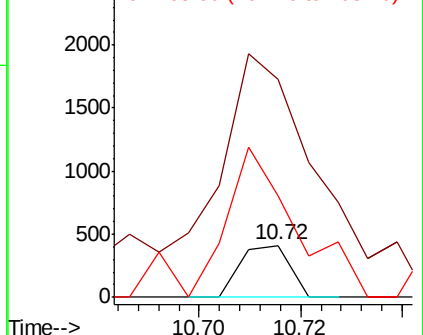
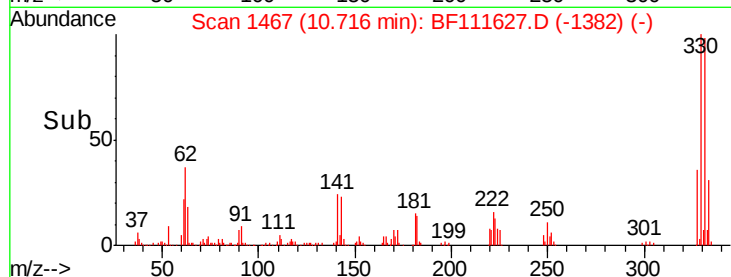
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.807 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 278
 Ion Ratio Lower Upper
 198 100
 51 420.2 48.0 88.0#
 105 195.9 34.0 74.0#

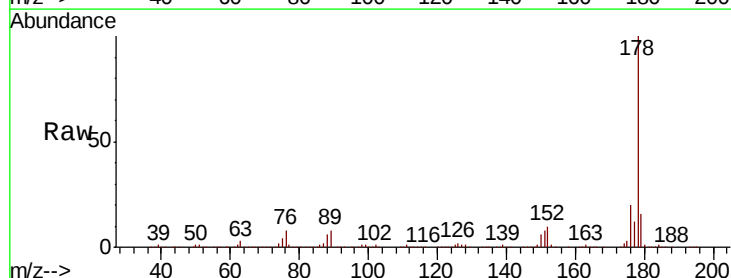


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

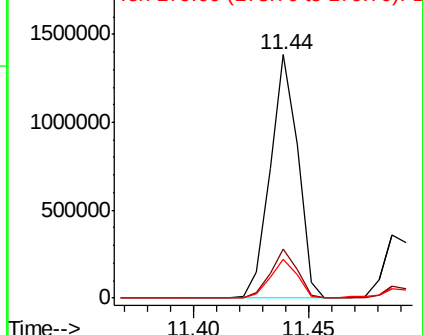
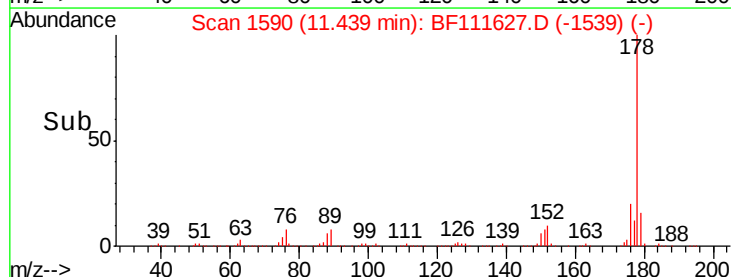


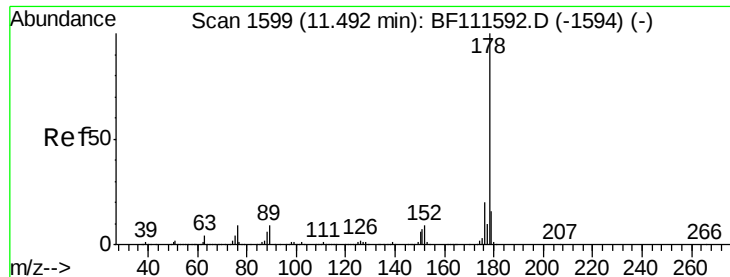
#71
 Phenanthrene
 Concen: 42.688 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion:178 Resp: 1147010
 Ion Ratio Lower Upper
 178 100
 176 19.9 18.1 27.1
 179 16.1 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: 11.116 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

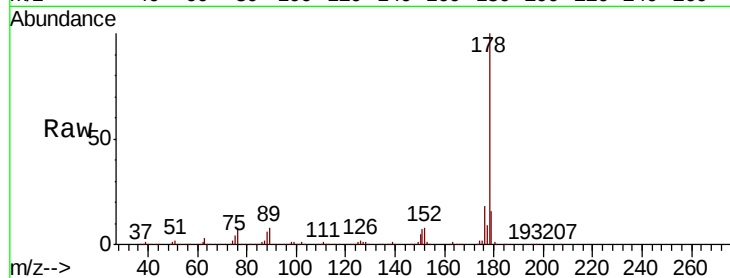
Tot Ion:178 Resp: 299790

Ion Ratio Lower Upper

178 100

176 18.3 17.2 25.8

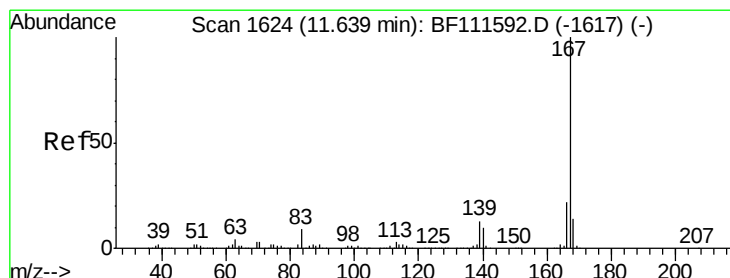
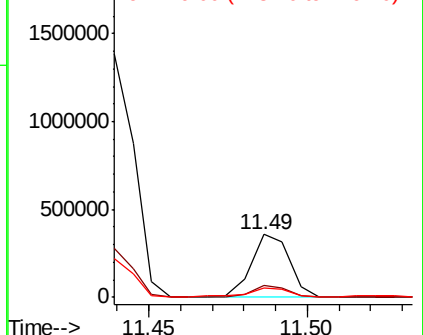
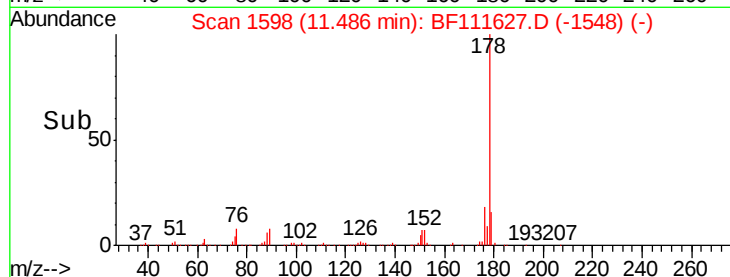
179 15.6 13.8 20.8



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



#73

Carbazole

Concen: 3.392 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

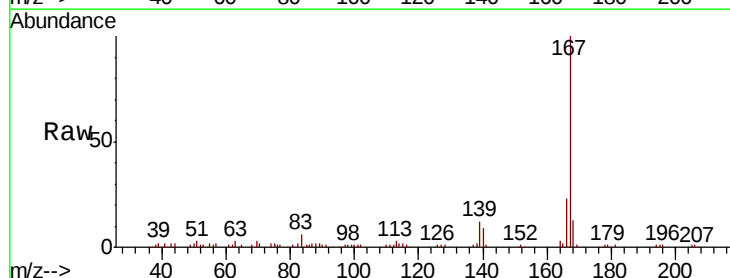
Tgt Ion:167 Resp: 88811

Ion Ratio Lower Upper

167 100

166 22.5 19.3 28.9

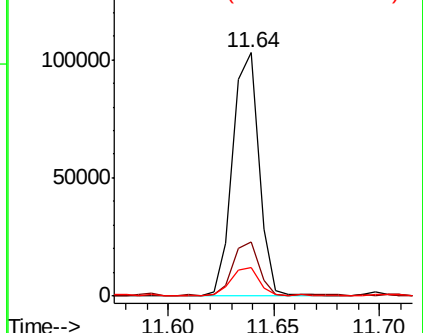
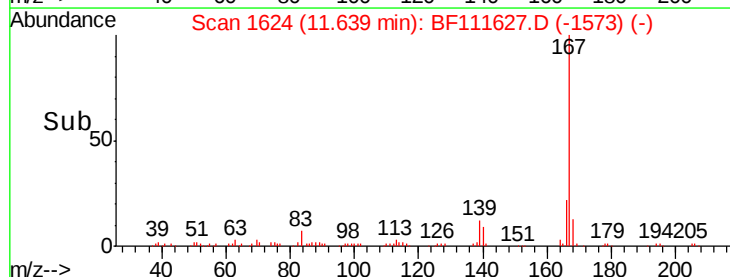
139 11.9 11.9 17.9

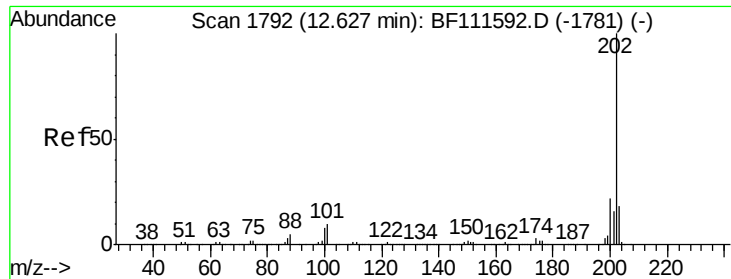


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 64.562 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

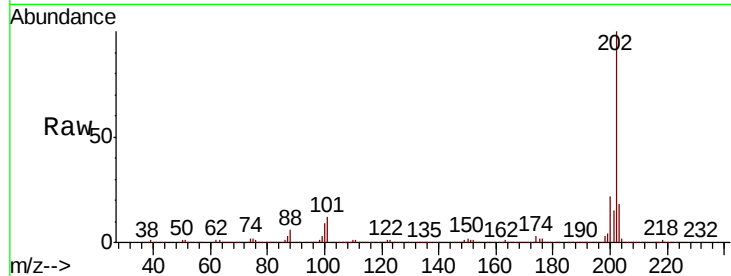
Tot Ion:202 Resp: 1756674

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.8

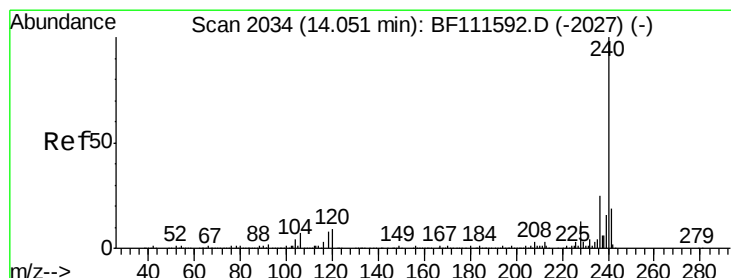
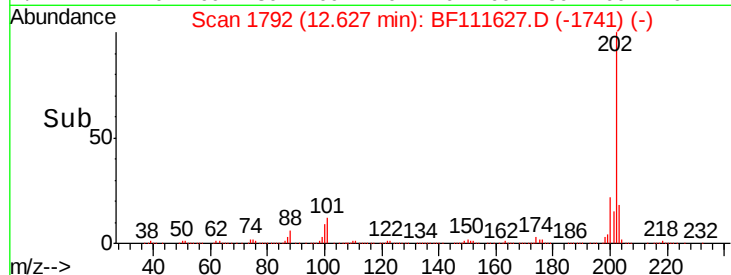
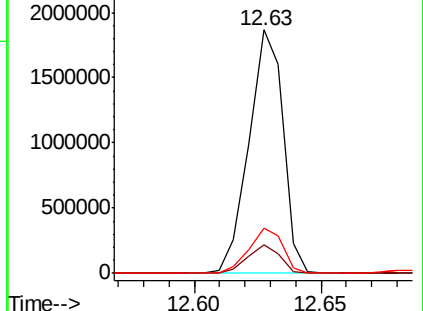
203 18.4 0.0 38.6



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

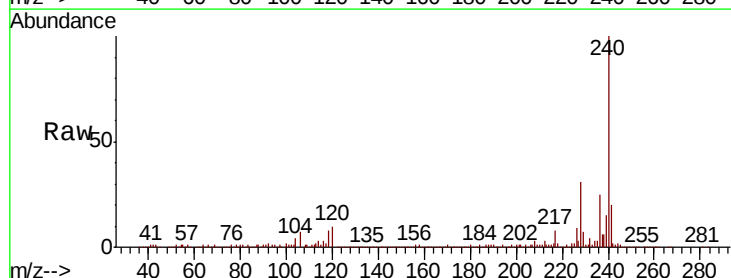
Tgt Ion:240 Resp: 451177

Ion Ratio Lower Upper

240 100

120 9.9 12.2 18.2#

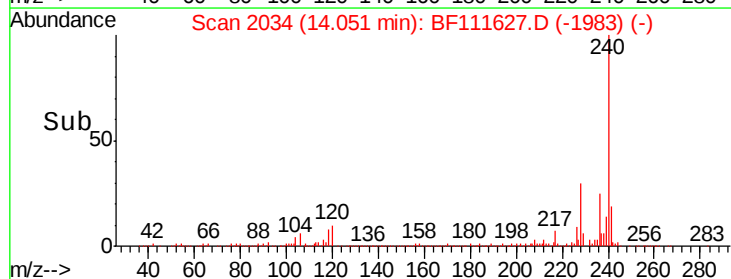
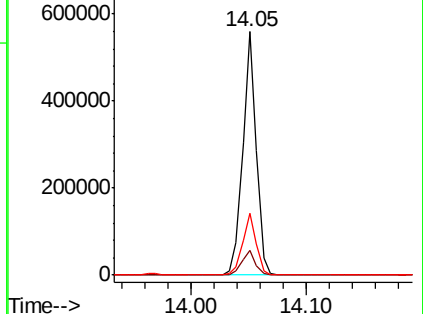
236 25.3 20.2 30.2

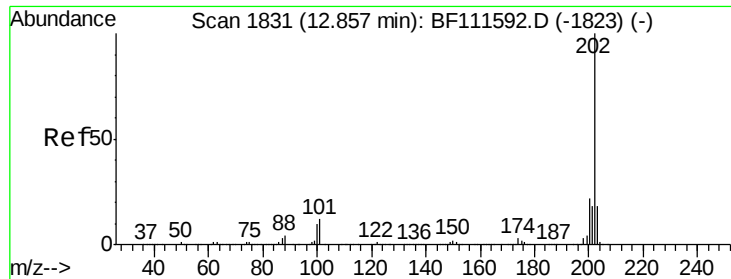


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



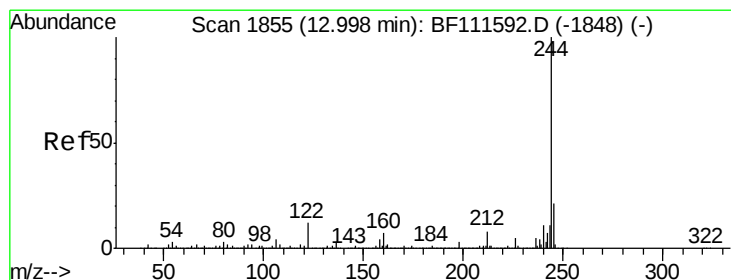
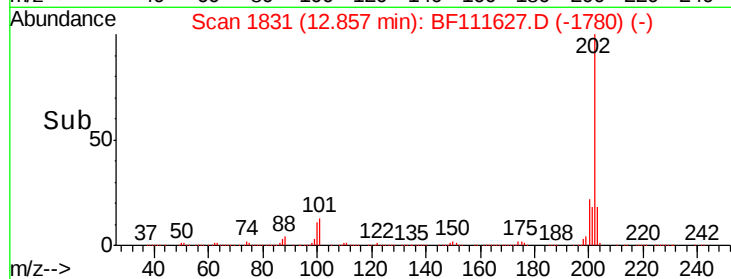
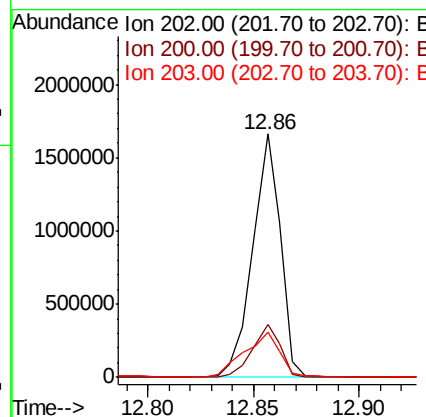
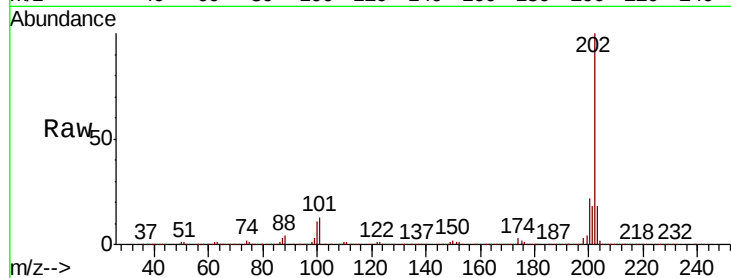


#78
 Pvrene
 Concen: 47.816 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 1523471

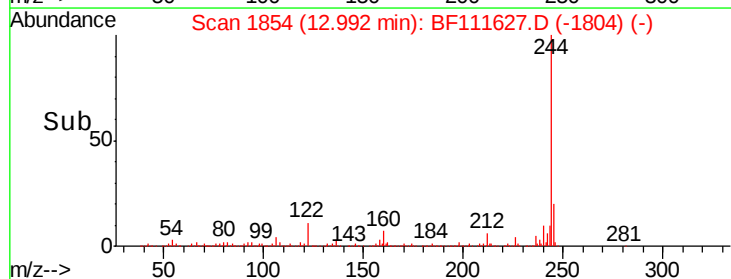
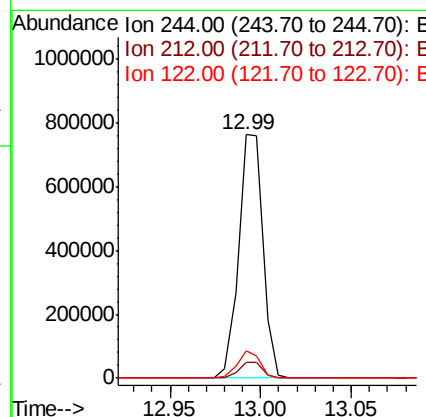
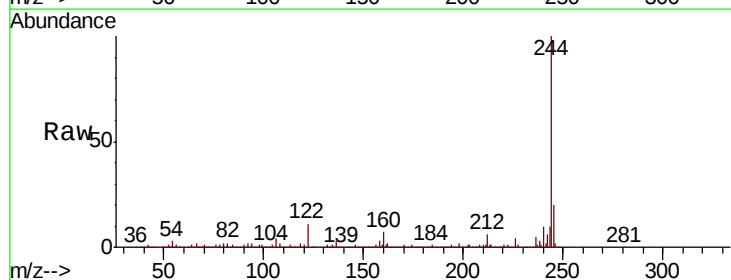
Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.0	28.4
203	18.3	15.2	22.8

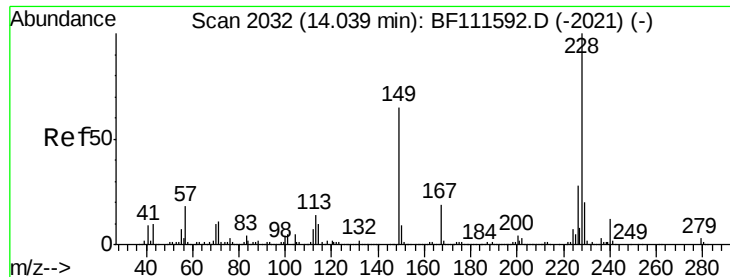


#79
 Terphenyl-d14
 Concen: 29.930 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111627.D
 Acq: 20 Dec 2018 8:43

Tgt Ion:244 Resp: 712062

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	11.3	13.1	19.7#

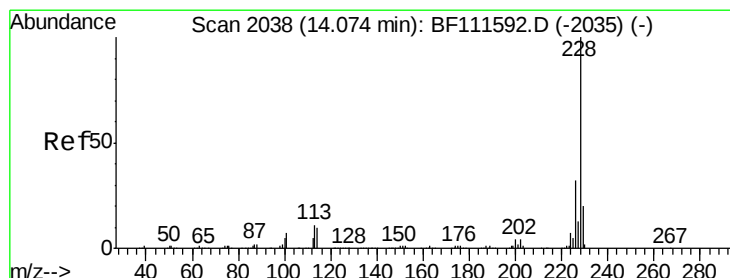
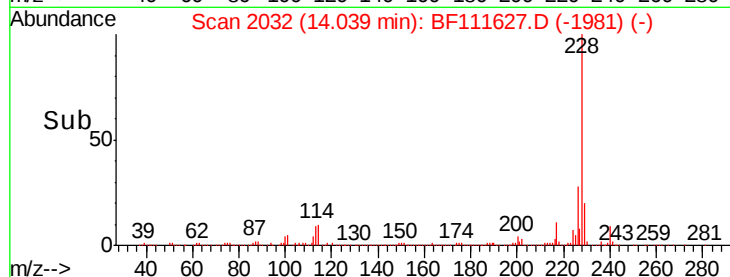
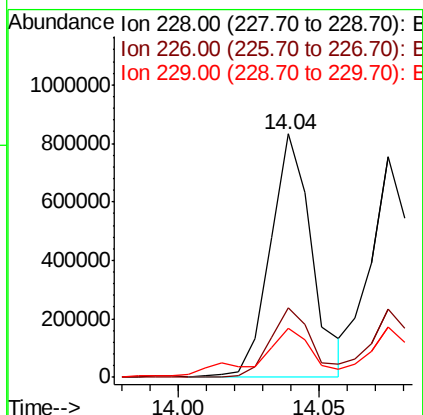
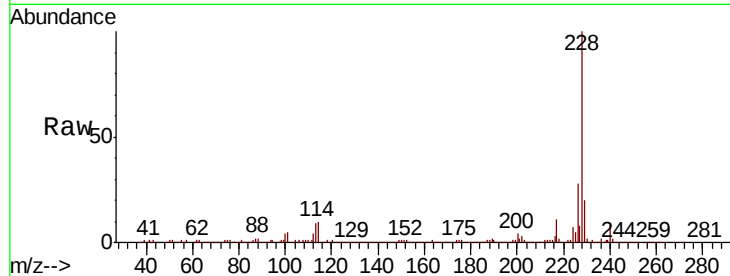




#81
Benzo(a)anthracene
Concen: 32.766 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

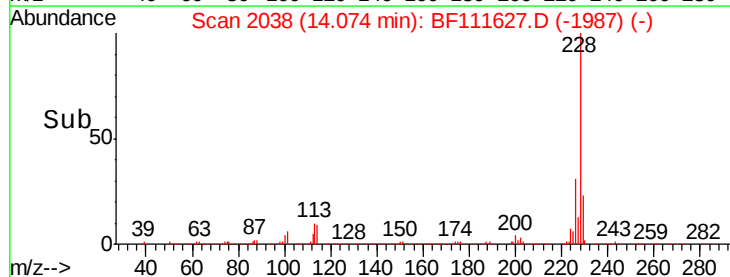
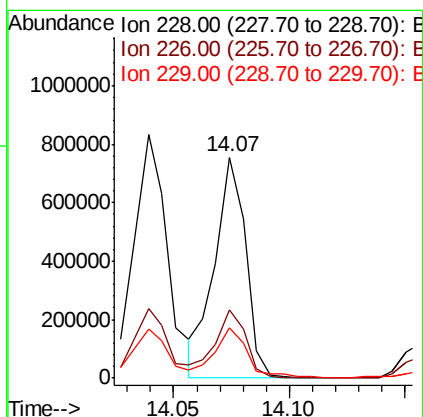
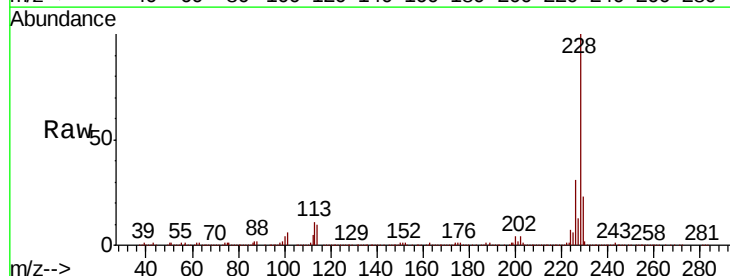
Instrument :
BNA_F
ClientSampleId :

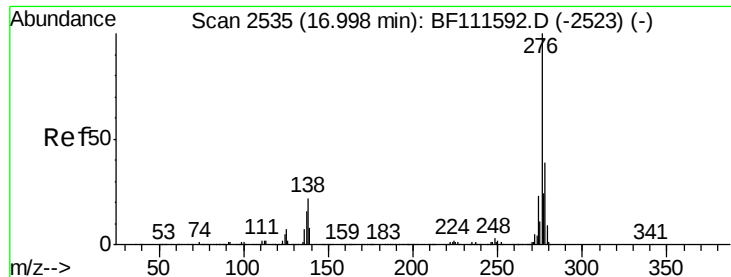
Tot Ion:228 Resp: 843682
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 20.3 16.3 24.5



#83
Chrysene
Concen: 27.817 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion:228 Resp: 703958
Ion Ratio Lower Upper
228 100
226 30.6 25.3 37.9
229 22.7 17.2 25.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 13.865 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

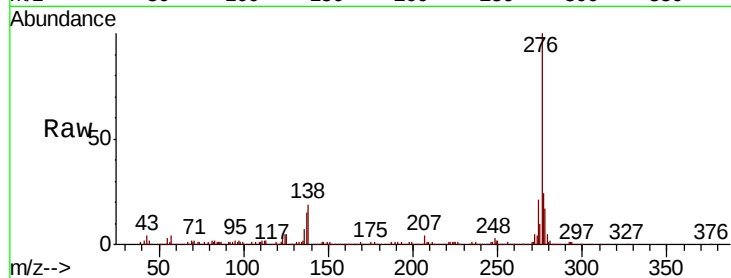
Tot Ion:276 Resp: 298275

Ion Ratio Lower Upper

276 100

138 19.9 27.8 41.6#

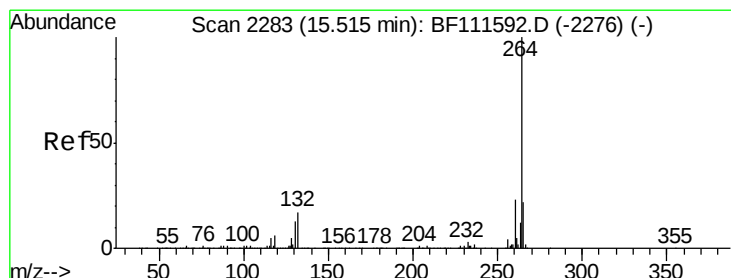
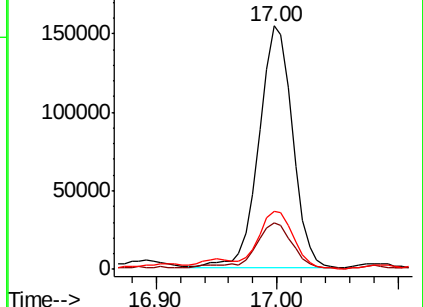
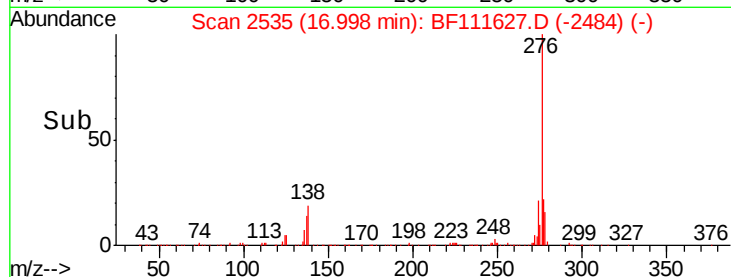
277 24.2 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

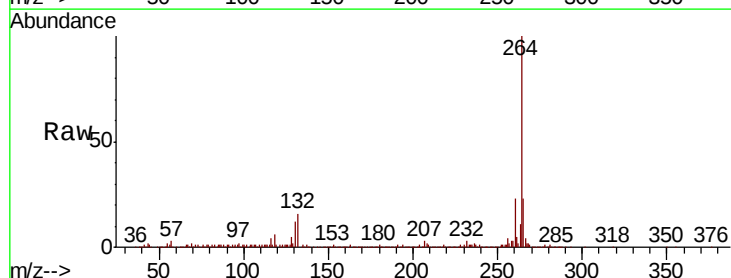
Tgt Ion:264 Resp: 321075

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

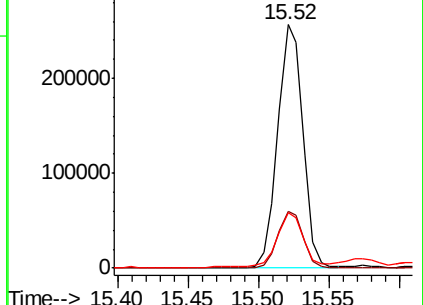
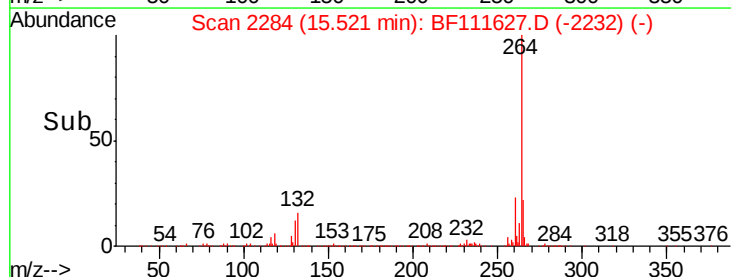
265 22.6 17.7 26.5

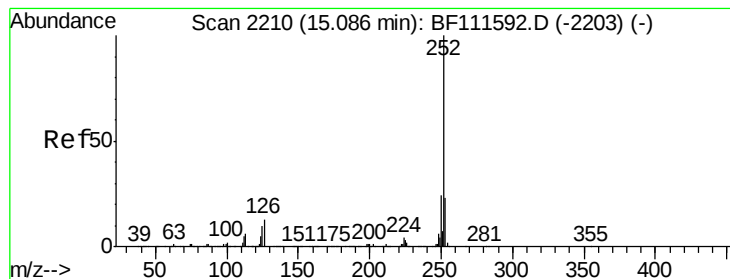


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.970 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.11 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

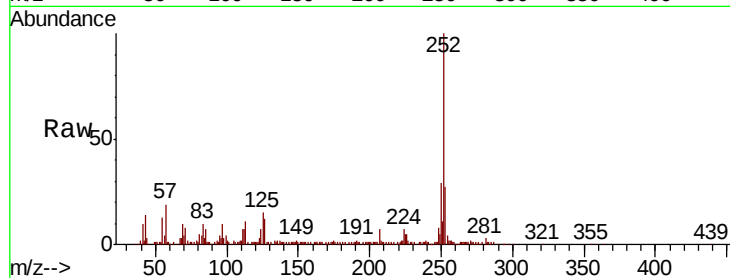
Tot Ion:252 Resp: 112019

Ion Ratio Lower Upper

252 100

253 26.6 18.2 27.2

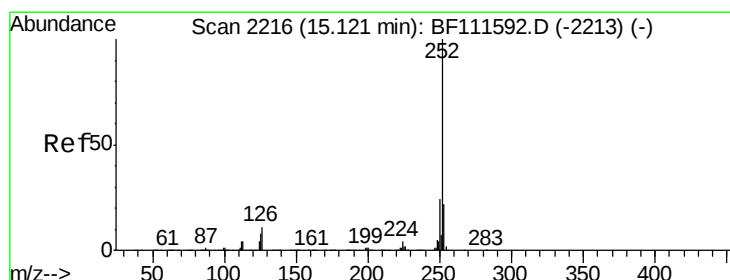
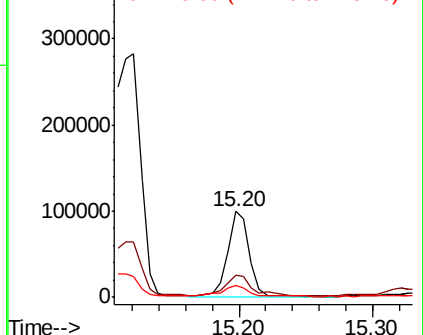
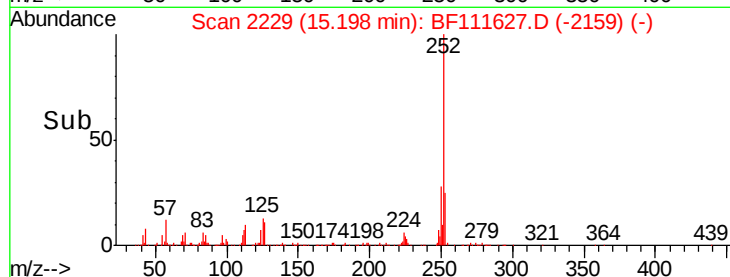
125 14.7 10.4 15.6



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: 56.166 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.03 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

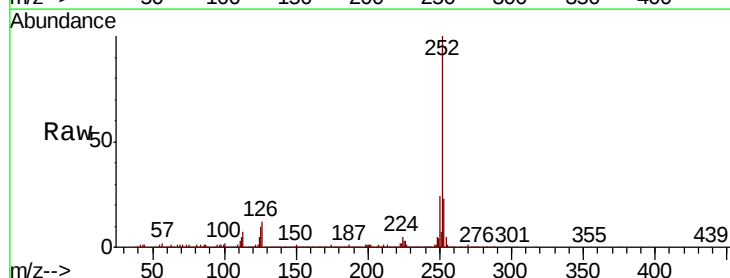
Tgt Ion:252 Resp: 1003395

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

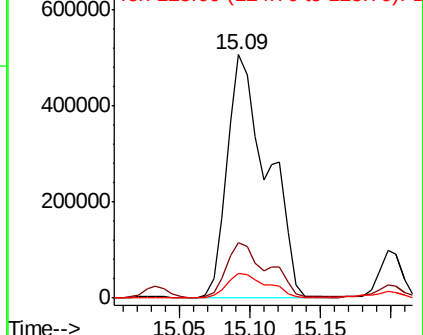
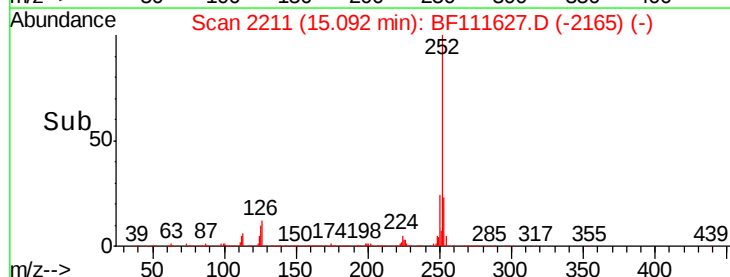
125 10.3 9.8 14.8

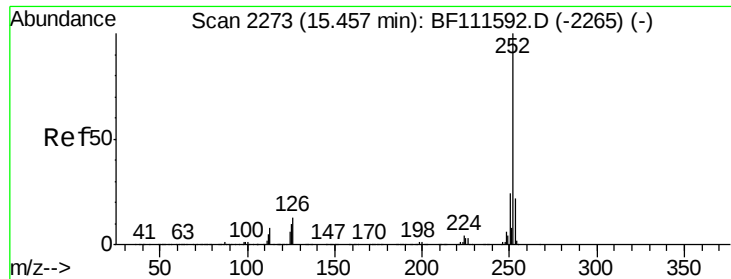


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

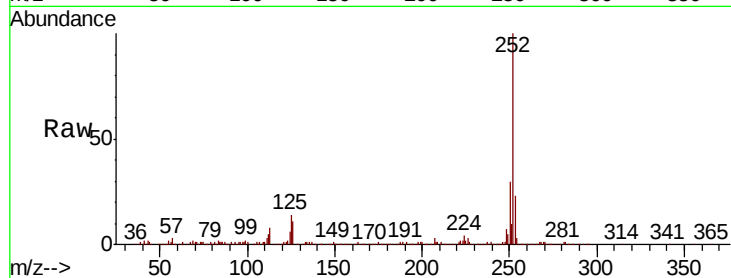




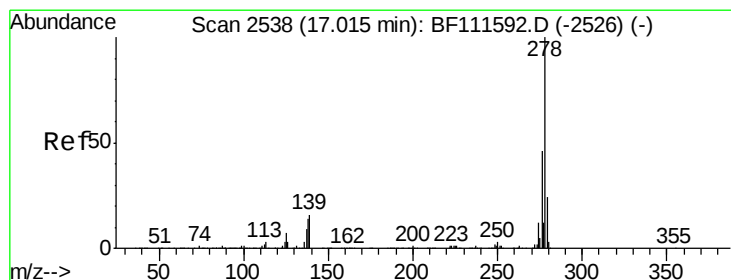
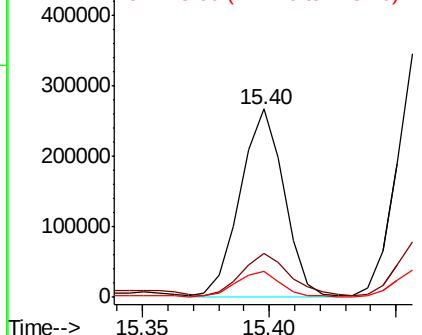
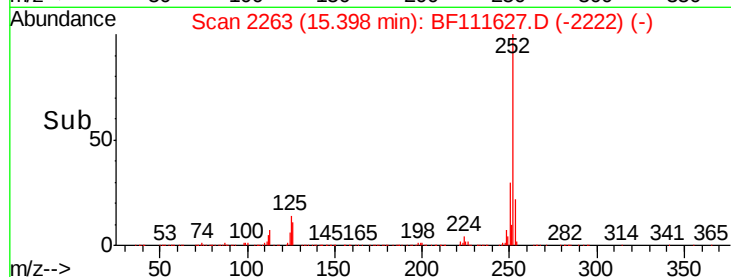
#90
Benzo(a)pyrene
Concen: 18.876 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.06 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 321801
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 14.0 12.3 18.5

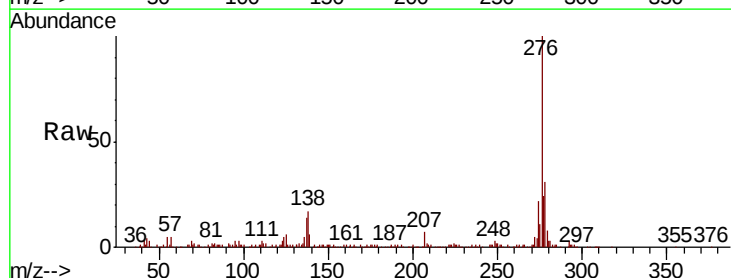


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

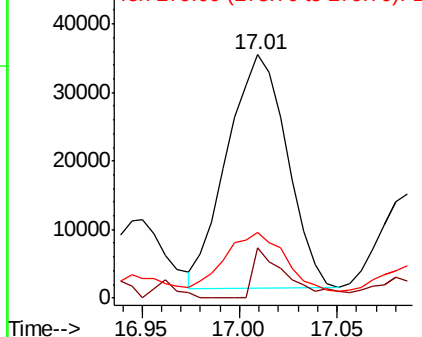
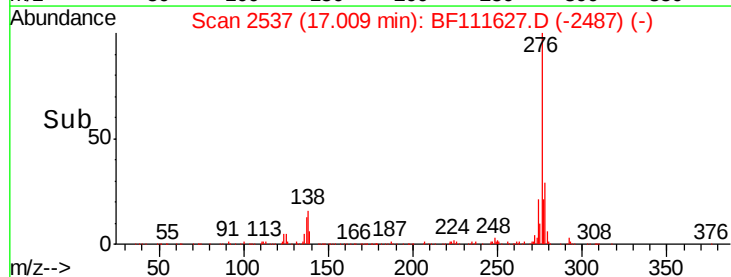


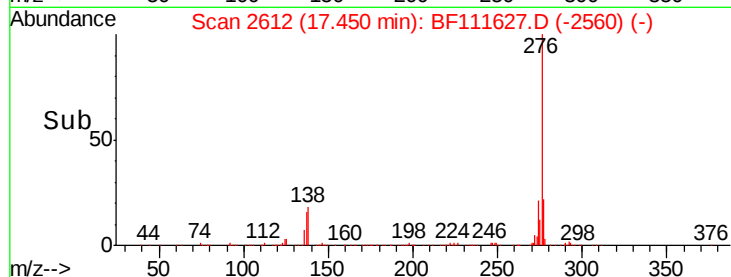
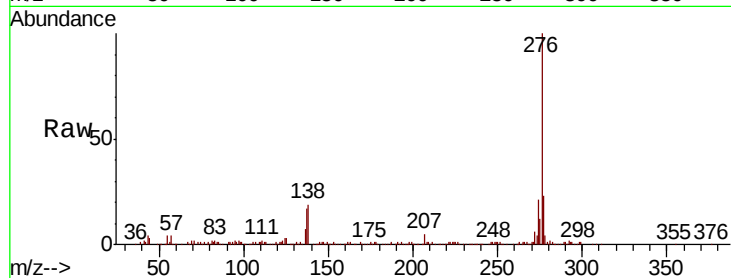
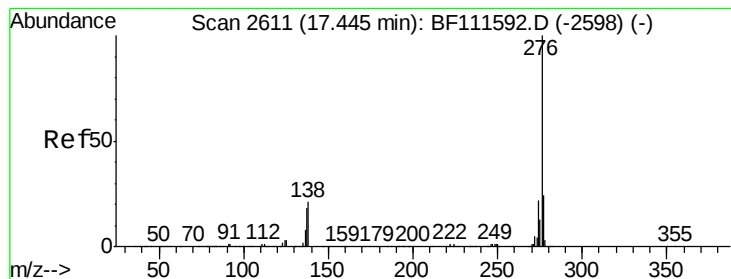
#91
Dibenzo(a,h)anthracene
Concen: 4.840 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF111627.D
Acq: 20 Dec 2018 8:43

Tgt Ion:278 Resp: 72250
Ion Ratio Lower Upper
278 100
139 20.5 18.2 27.4
279 27.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 18.305 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BF111627.D

Acq: 20 Dec 2018 8:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 266837

Ion Ratio Lower Upper

276 100

277 22.6 19.2 28.8

138 18.5 24.9 37.3#

