

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116743.D
 Acq On : 1 Sep 2019 15:32
 Operator : HP/JU
 Sample : K4527-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:24:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	99692	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	427810	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	233547	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	345907	20.00	ng	0.00
76) Chrysene-d12	14.02	240	164099	20.00	ng	0.02
87) Perylene-d12	15.54	264	156835	20.00	ng	0.10

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	528032	85.81	ng	-0.01
7) Phenol-d6	6.47	99	730758	90.44	ng	-0.01
23) Nitrobenzene-d5	7.40	82	452730	60.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	154699	99.08	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	816227	58.96	ng	-0.01
79) Terphenyl-d14	12.96	244	556998	62.79	ng	0.00

Target Compounds

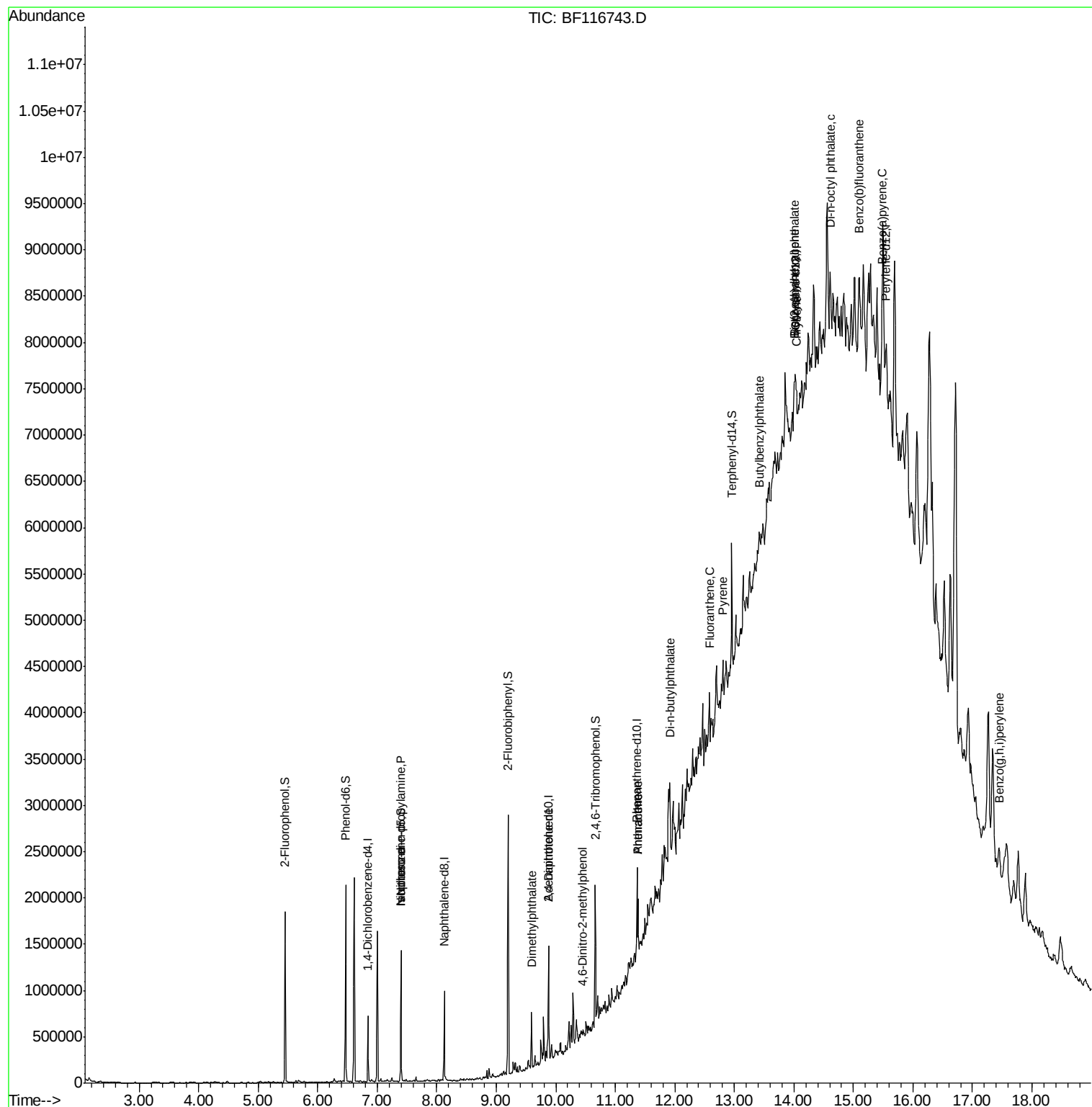
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	61789	11.614	ng	# 73
25) Isophorone	7.40	82	448408	29.529	ng	# 67
50) Dimethylphthalate	9.59	163	74579	4.625	ng	# 97
57) 2,4-Dinitrotoluene	9.88	165	32215	8.564	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.45	198	111	7.525	ng	# 1
71) Phenanthrene	11.39	178	178754	9.283	ng	97
72) Anthracene	11.39	178	178754	9.222	ng	98
74) Di-n-butylphthalate	11.92	149	48903	2.066	ng	# 57
75) Fluoranthene	12.58	202	240064	12.686	ng	86
78) Pyrene	12.81	202	207591	14.231	ng	# 90
80) Butylbenzylphthalate	13.43	149	14817	2.089	ng	# 12
81) Benzo(a)anthracene	14.01	228	84619	8.148	ng	# 82
83) Chrysene	14.05	228	86886	8.120	ng	# 85
84) Bis(2-ethylhexyl)phthalate	14.00	149	162457	18.552	ng	# 98
85) Di-n-octyl phthalate	14.61	149	41452	2.893	ng	# 1
88) Benzo(b)fluoranthene	15.09	252	120143	12.671	ng	# 1
90) Benzo(a)pyrene	15.47	252	57653	6.989	ng	# 1
92) Benzo(a,h,i)perylene	17.45	276	37624	5.109	ng	# 58

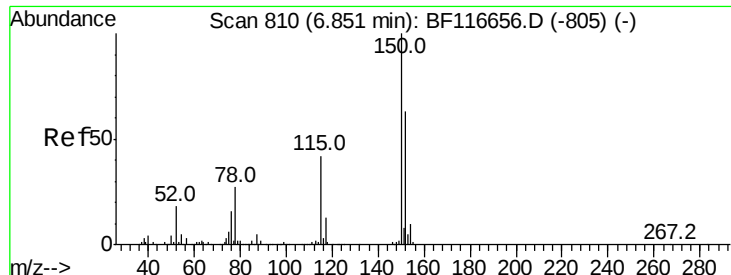
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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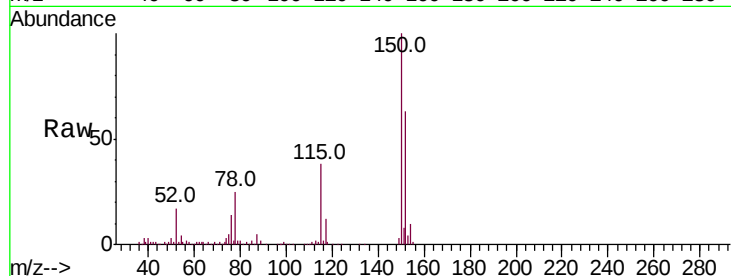


#1

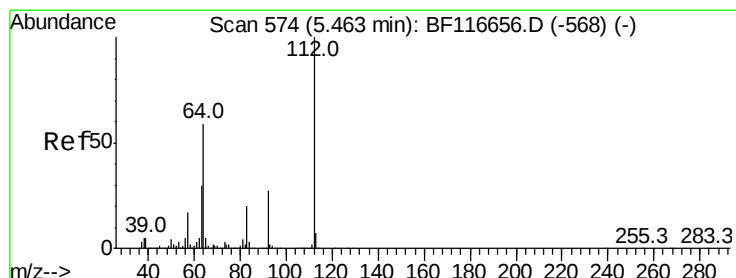
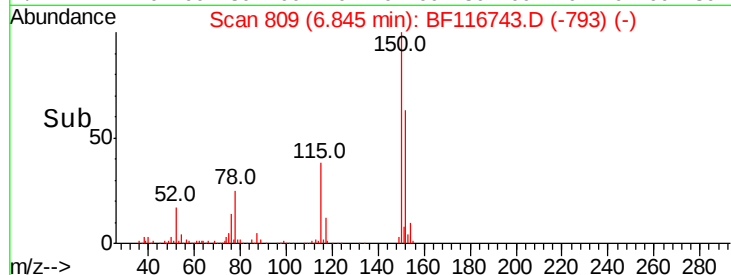
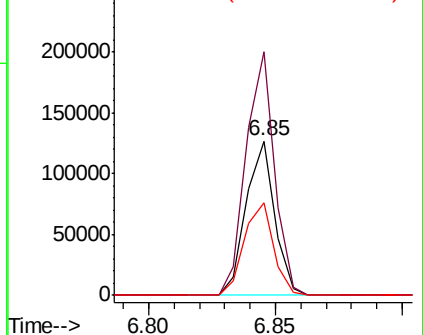
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.4	186.6
115	60.2	49.9	74.9



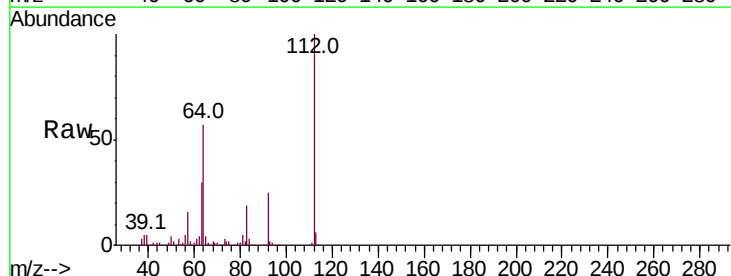
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



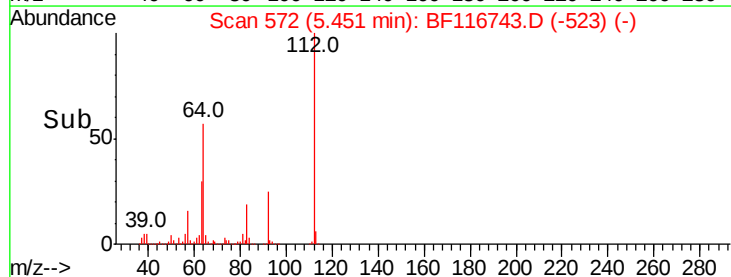
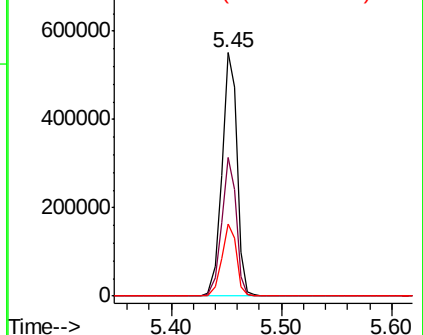
#5

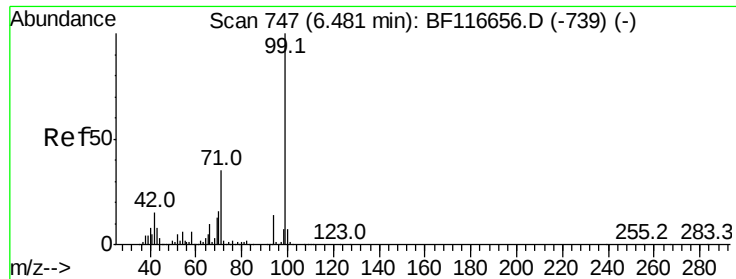
2-Fluorophenol
Concen: 85.808 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.1	70.7
63	29.8	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.436 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

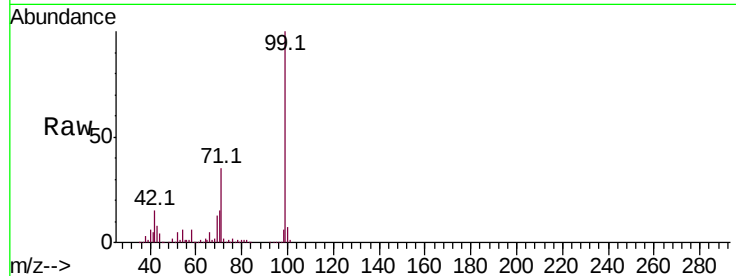
Tot Ion: 99 Resp: 730758

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

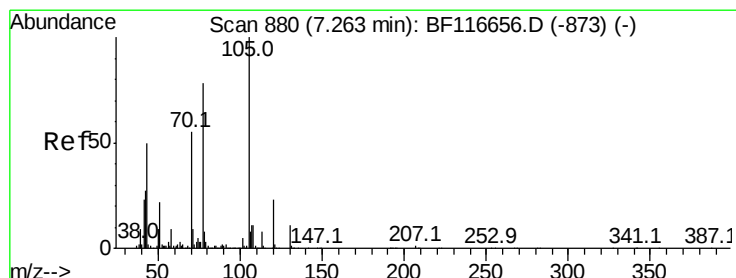
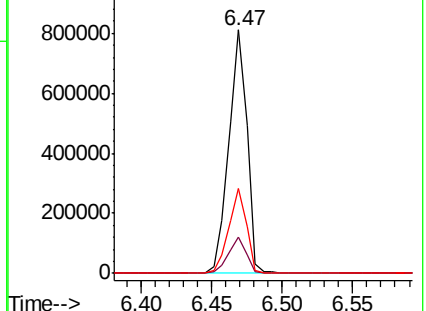
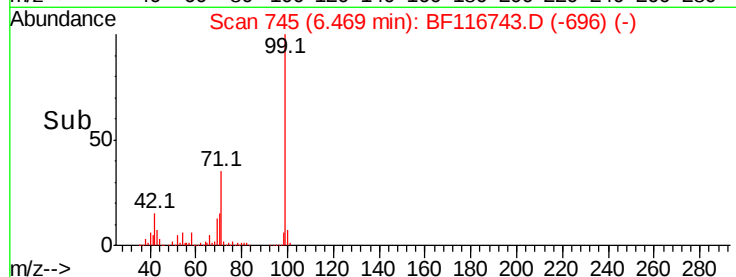
71 34.7 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.614 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion: 70 Resp: 61789

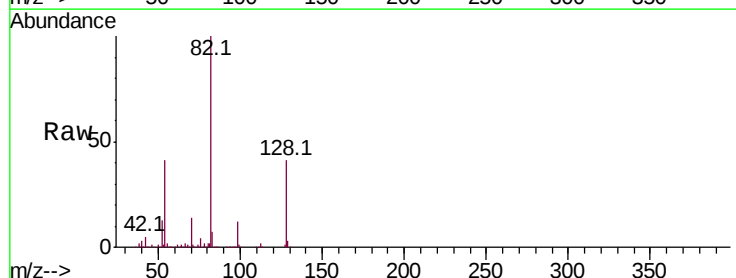
Ion Ratio Lower Upper

70 100

42 38.9 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

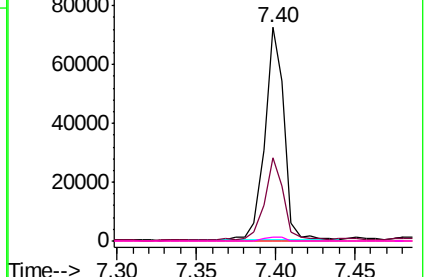
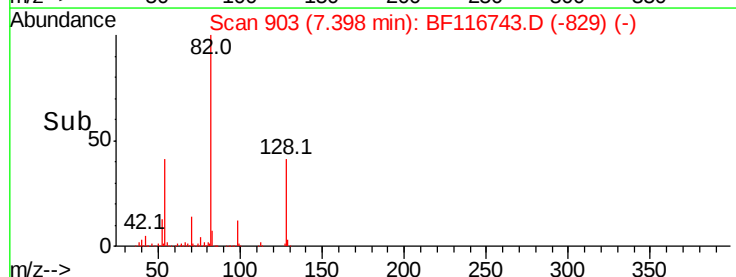


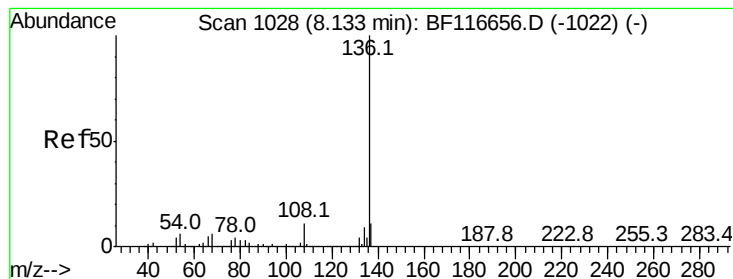
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 427810

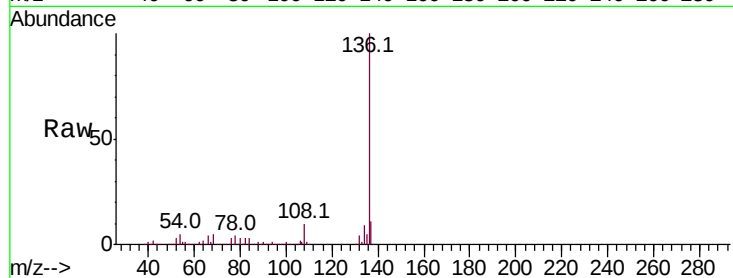
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.4 4.8 7.2

68 5.2 4.0 6.0

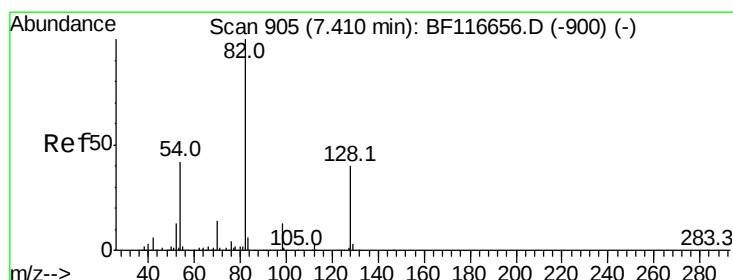
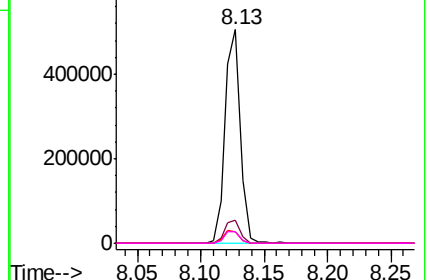
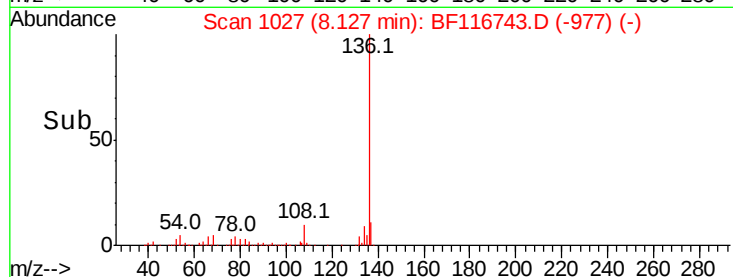


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 60.413 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

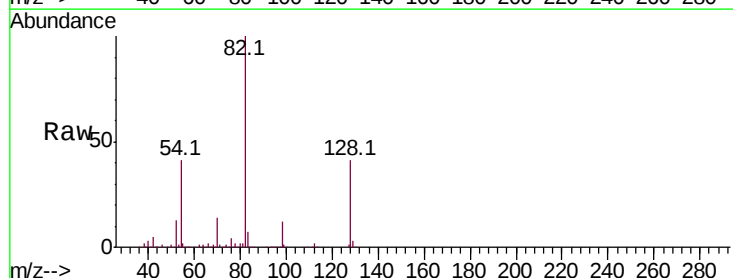
Tgt Ion: 82 Resp: 452730

Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

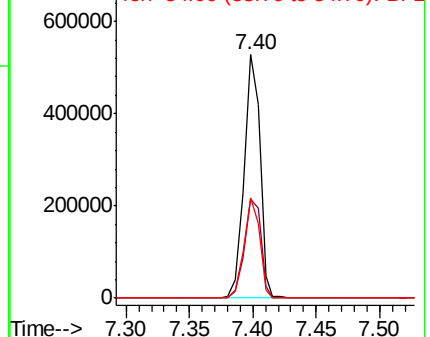
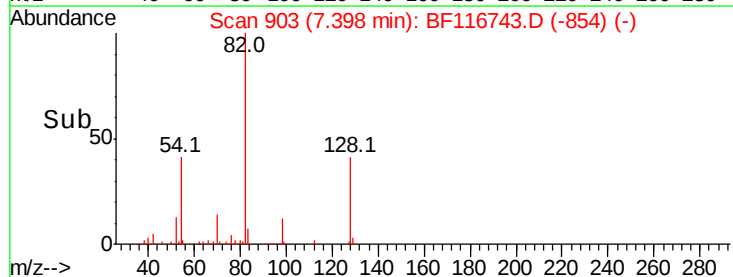
54 41.4 36.9 55.3

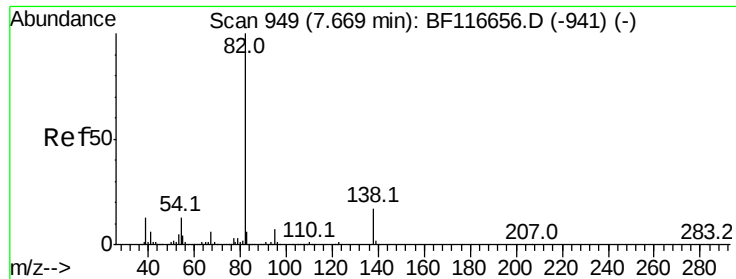


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.529 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

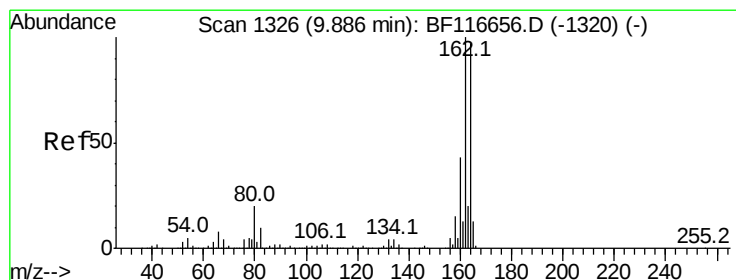
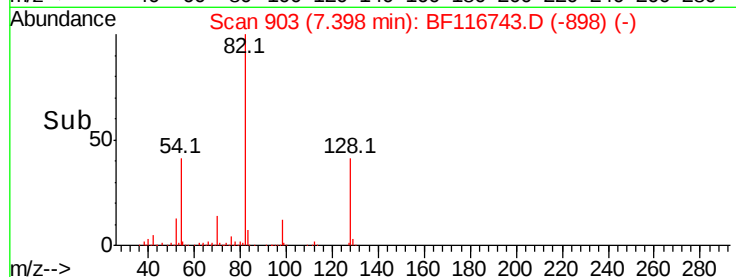
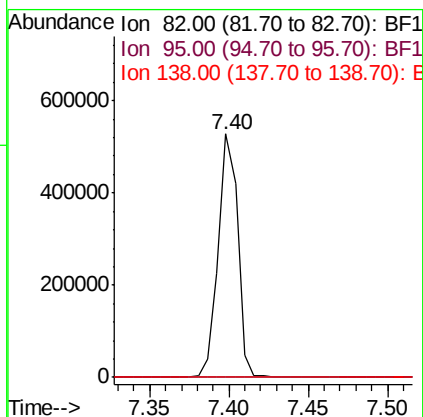
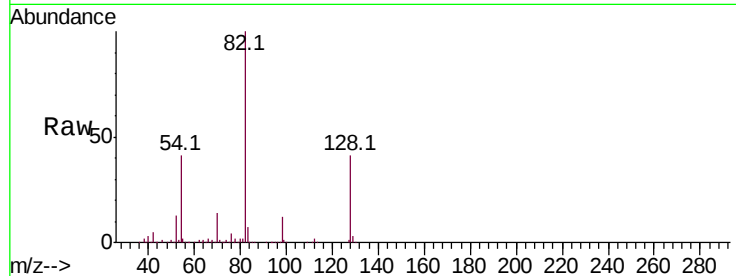
Tot Ion: 82 Resp: 448408

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

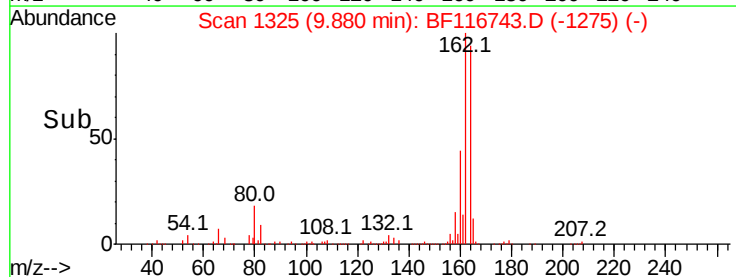
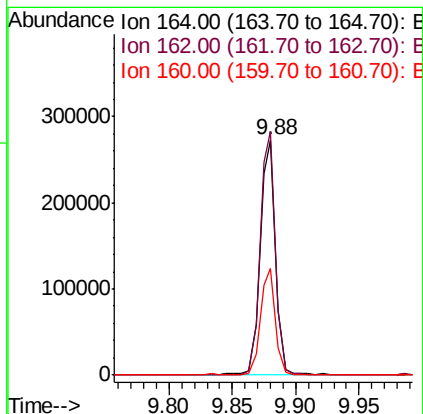
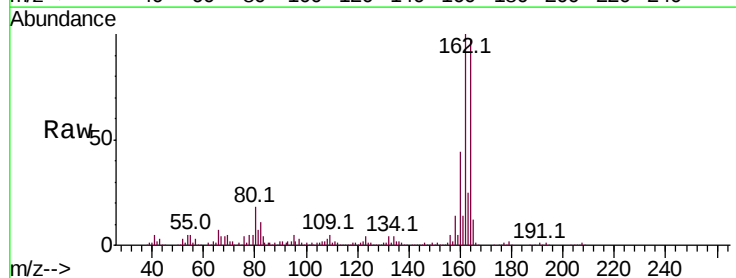
Tgt Ion: 164 Resp: 233547

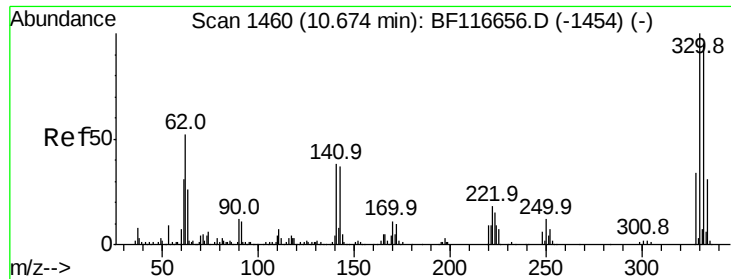
Ion Ratio Lower Upper

164 100

162 103.6 81.4 122.0

160 45.2 35.4 53.2

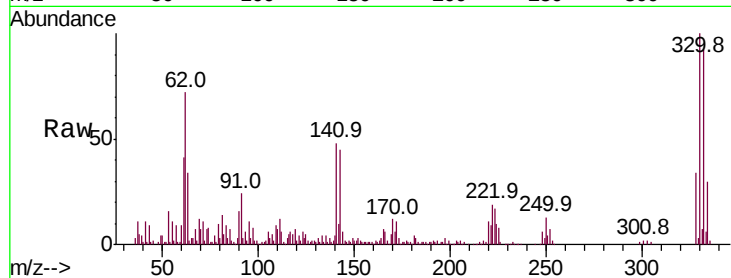




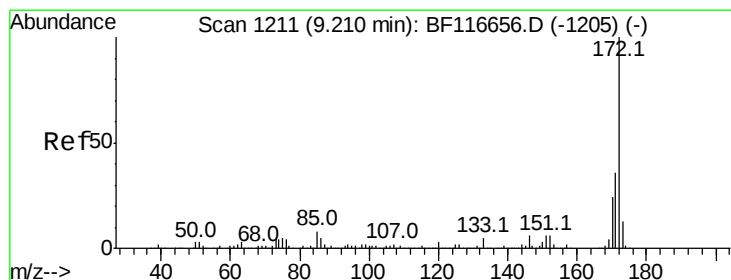
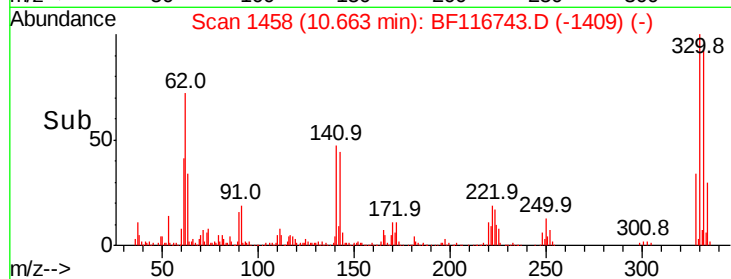
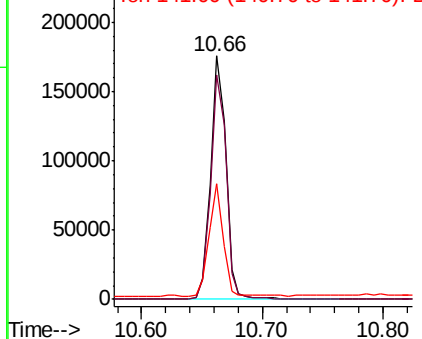
#42
 2,4,6-Tribromophenol
 Concen: 99.083 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 154699
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.9 115.3
 141 42.8 31.4 47.2

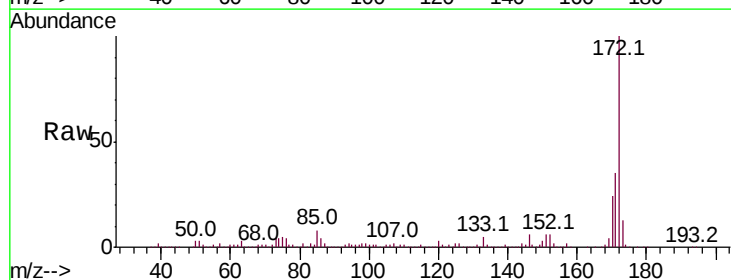


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

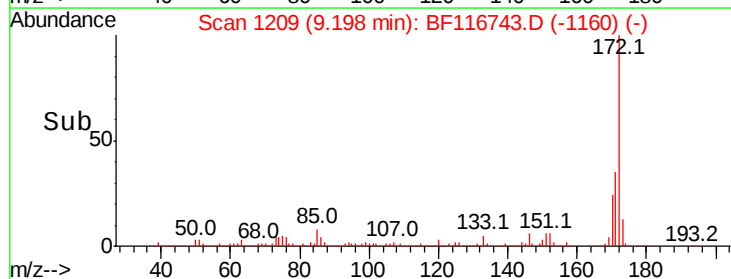
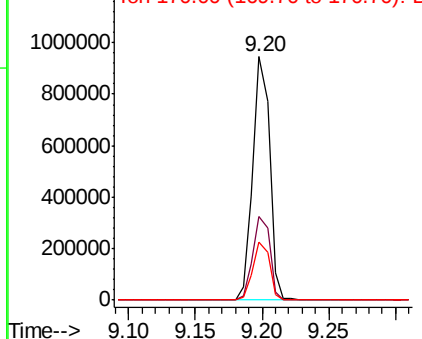


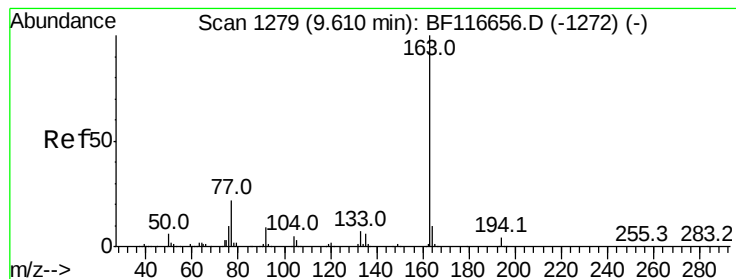
#45
 2-Fluorobiphenyl
 Concen: 58.956 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116743.D
 Acq: 1 Sep 2019 15:32

Tgt Ion:172 Resp: 816227
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.6
 170 23.8 18.9 28.3



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





#50

Dimethylphthalate

Concen: 4.625 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampled :

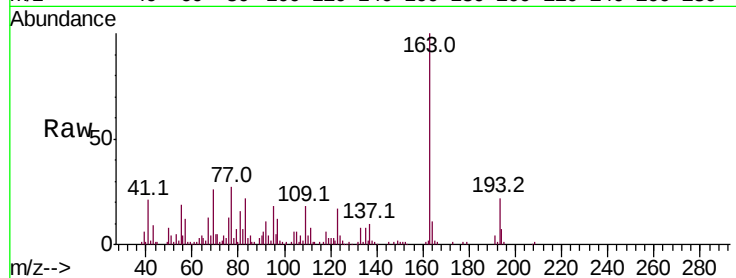
Tot Ion:163 Resp: 74579

Ion Ratio Lower Upper

163 100

194 6.7 2.8 4.2#

164 10.6 8.6 12.8

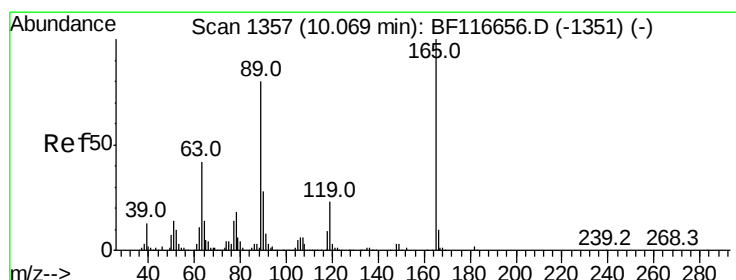
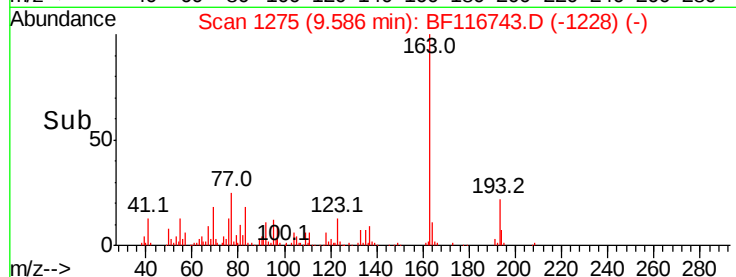
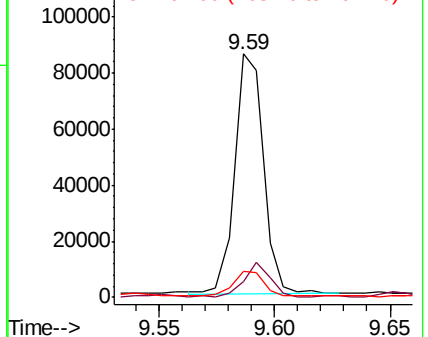


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 8.564 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Tgt Ion:165 Resp: 32215

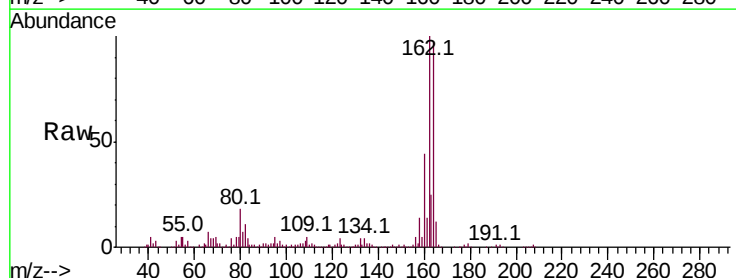
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 62.6 94.0#

182 0.0 2.1 3.1#



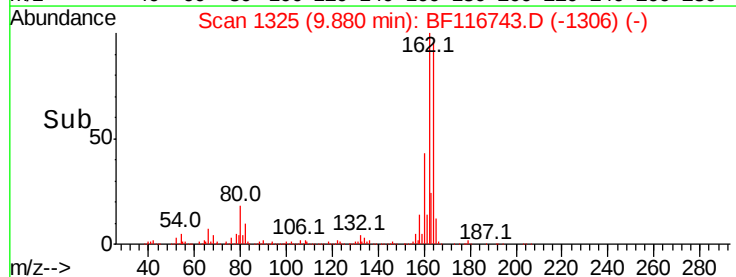
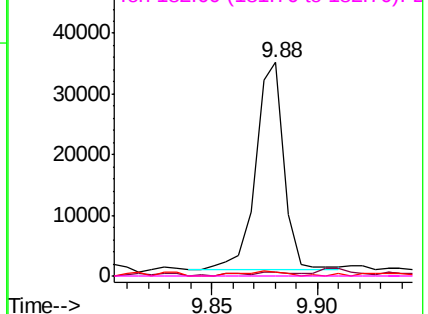
Abundance

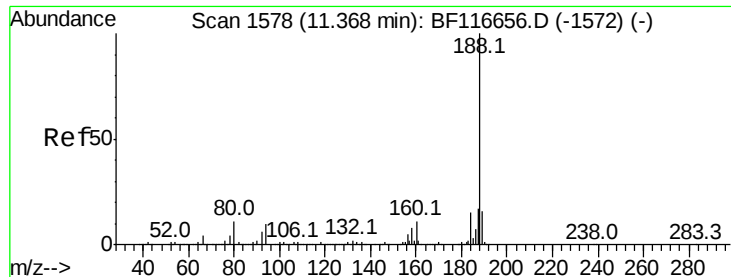
Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

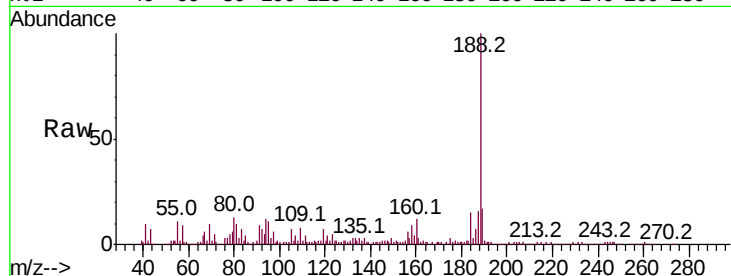
Tot Ion:188 Resp: 345907

Ion Ratio Lower Upper

188 100

94 12.1 7.3 10.9#

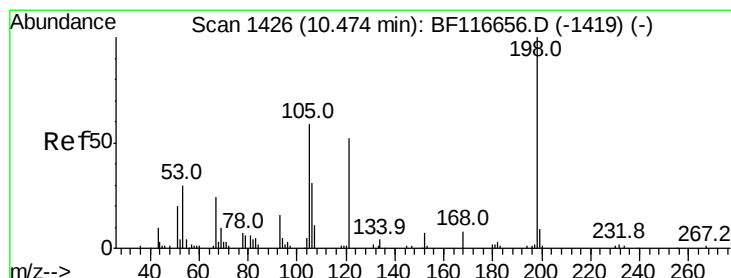
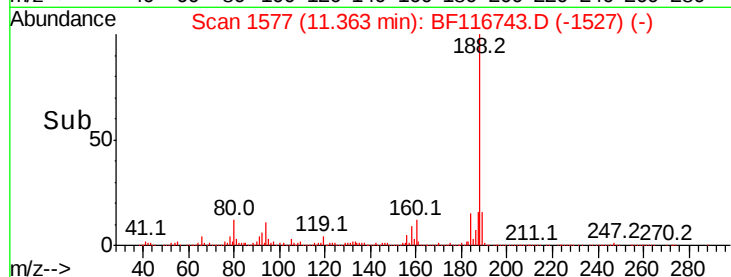
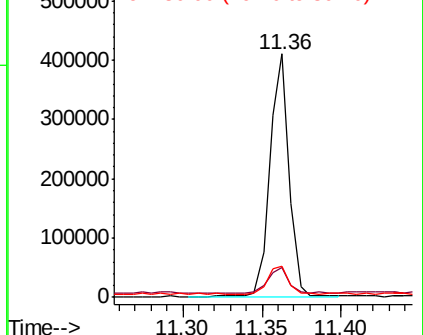
80 12.8 8.4 12.6#



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: 7.525 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

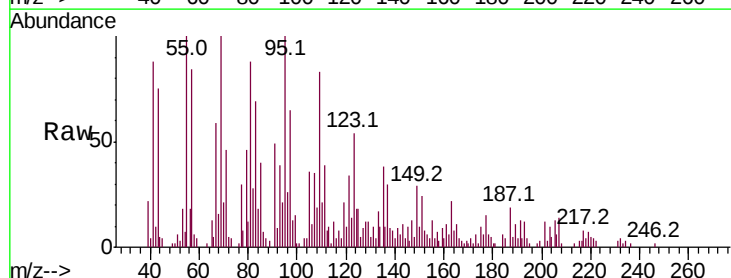
Tgt Ion:198 Resp: 111

Ion Ratio Lower Upper

198 100

51 404.1 18.4 58.4#

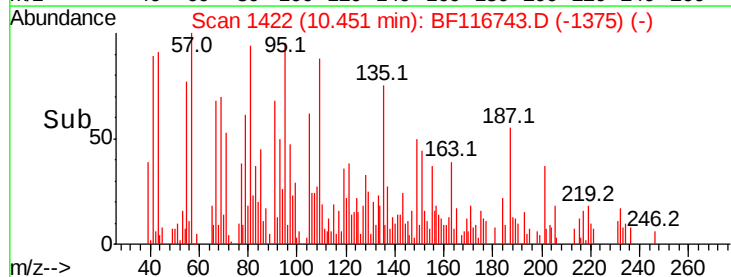
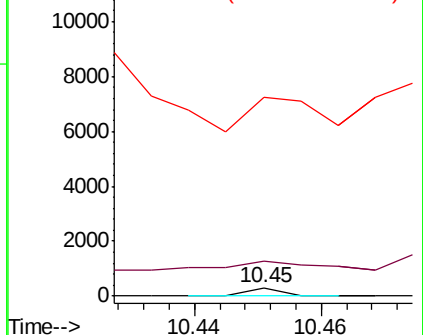
105 2303.5 22.9 62.9#

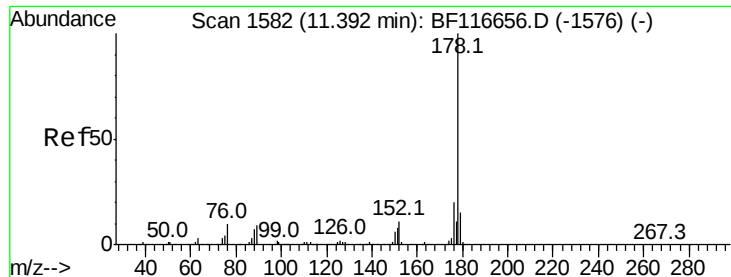


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 9.283 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

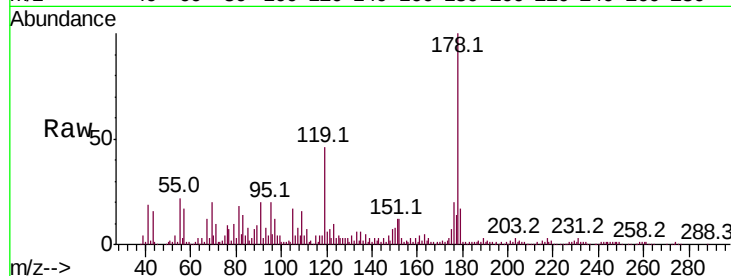
Tot Ion:178 Resp: 178754

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

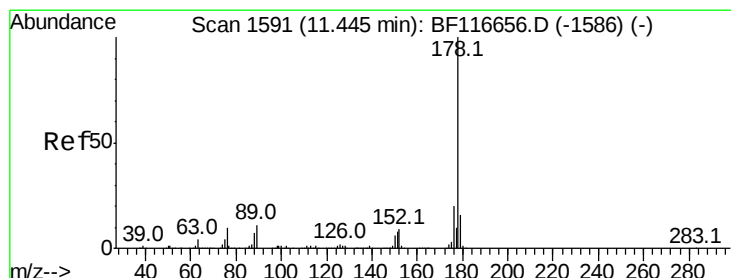
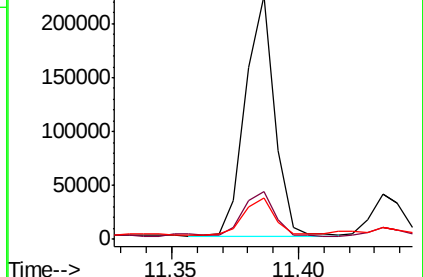
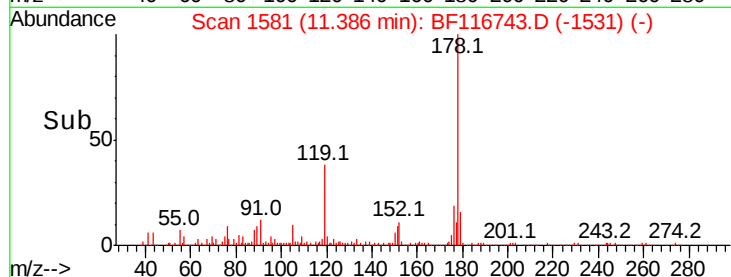
179 17.1 12.2 18.2



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: 9.222 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

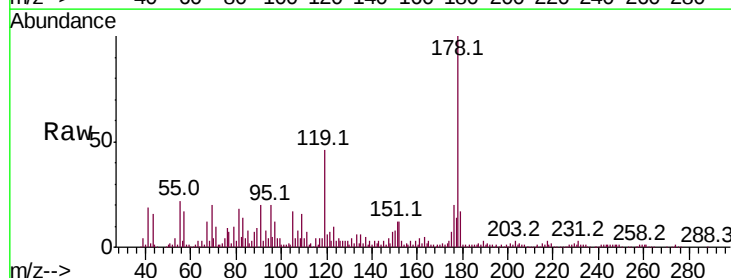
Tgt Ion:178 Resp: 178754

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

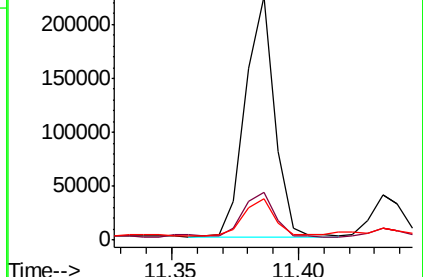
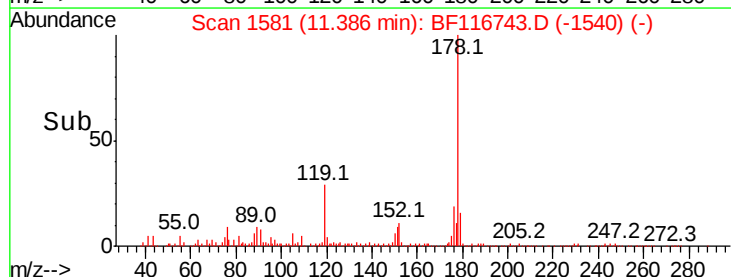
179 17.1 12.5 18.7

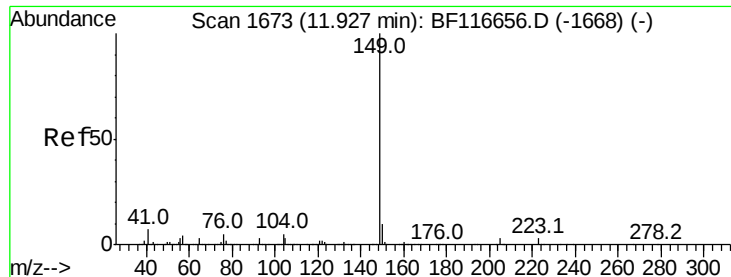


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.066 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampled :

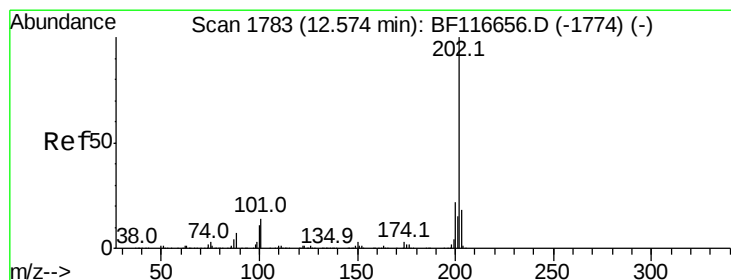
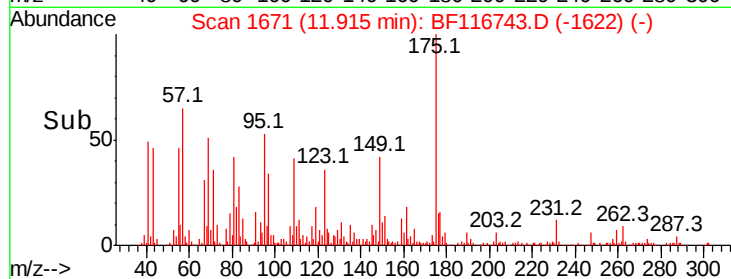
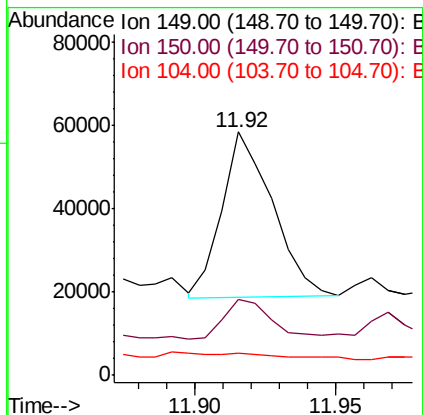
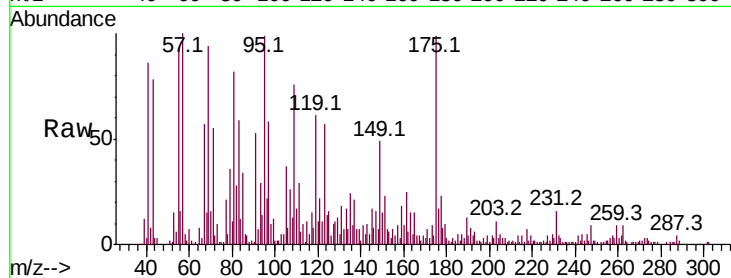
Tot Ion:149 Resp: 48903

Ion Ratio Lower Upper

149 100

150 31.2 7.2 10.8#

104 9.3 4.2 6.2#



#75

Fluoranthene

Concen: 12.686 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

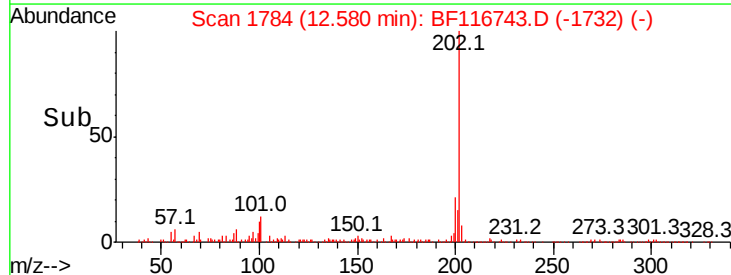
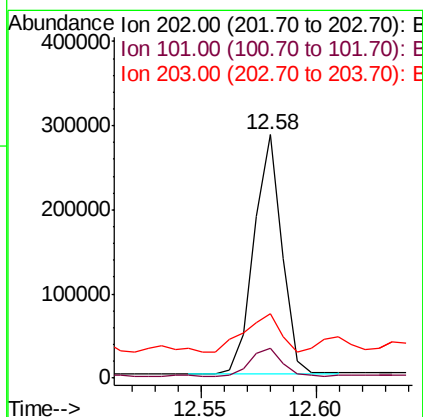
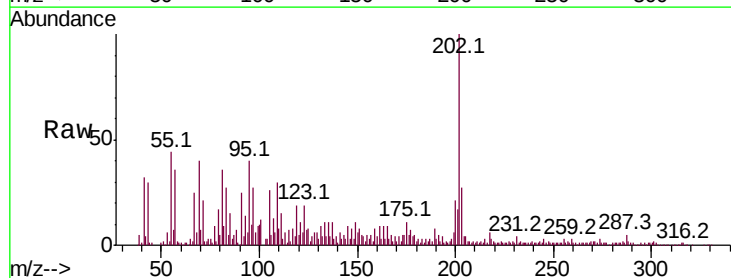
Tgt Ion:202 Resp: 240064

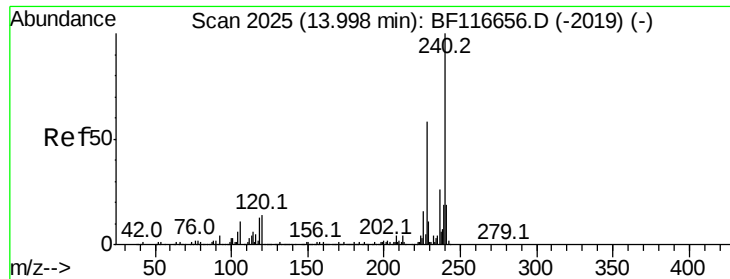
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.3

203 26.6 0.0 37.6

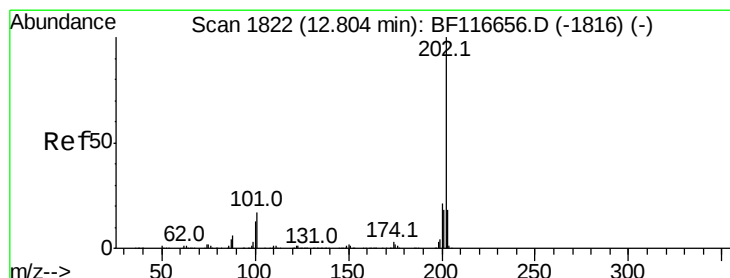
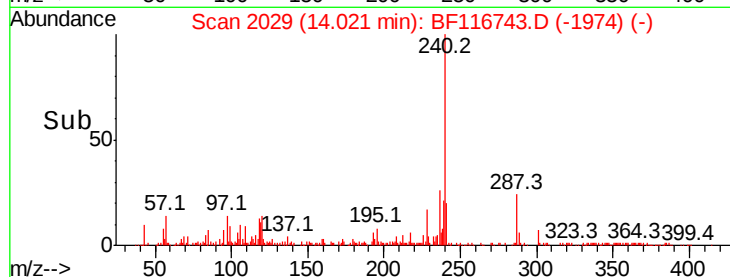
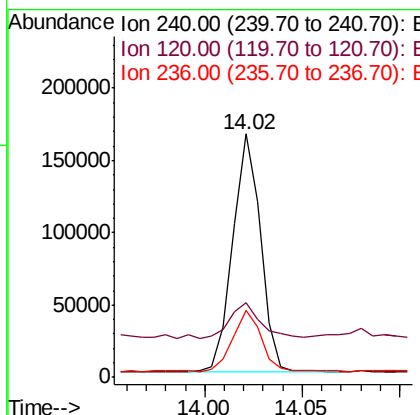
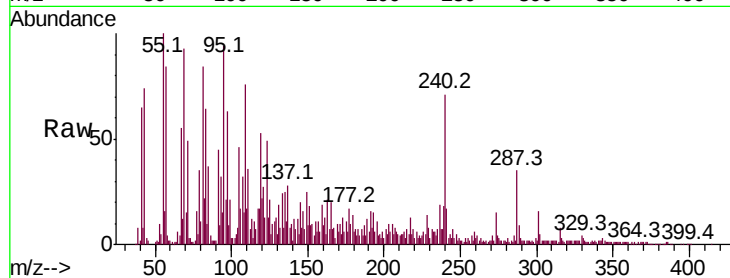




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

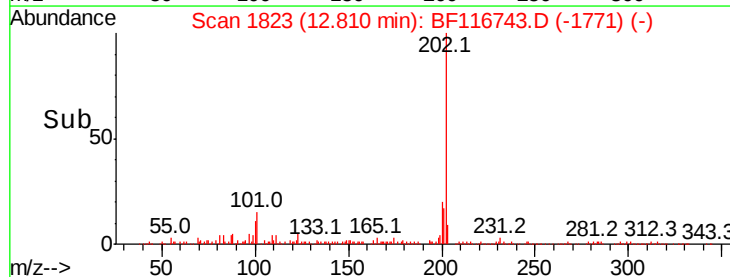
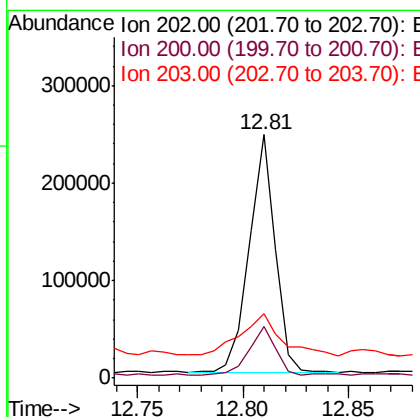
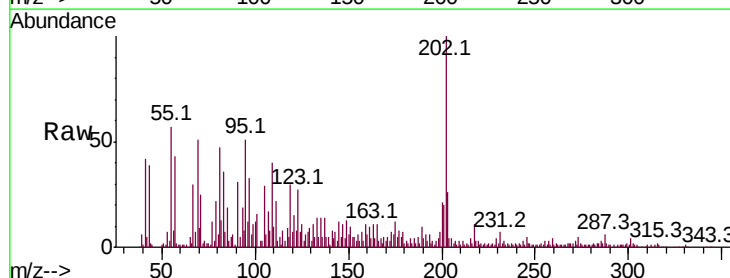
Instrument :
BNA_F
ClientSampleId :

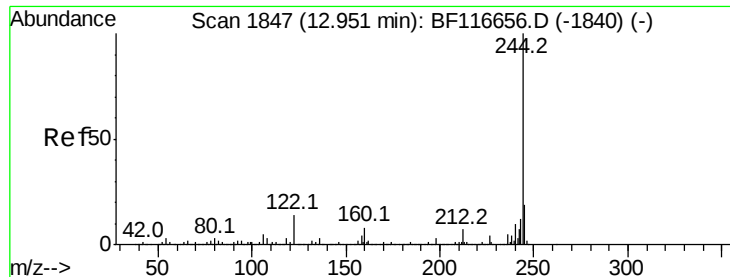
Tot Ion:240 Resp: 164099
Ion Ratio Lower Upper
240 100
120 30.4 9.1 13.7#
236 27.5 21.1 31.7



#78
Pyrene
Concen: 14.231 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion:202 Resp: 207591
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 26.3 13.7 20.5#





#79

Terphenyl-d14

Concen: 62.792 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

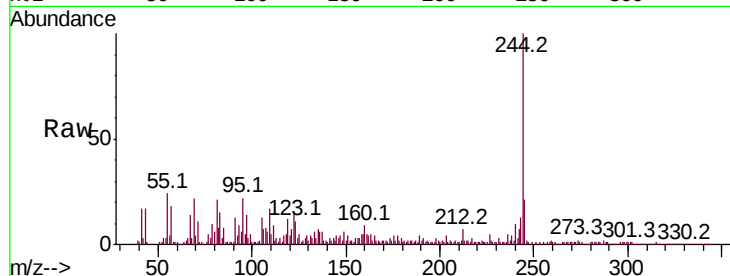
Tot Ion:244 Resp: 556998

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

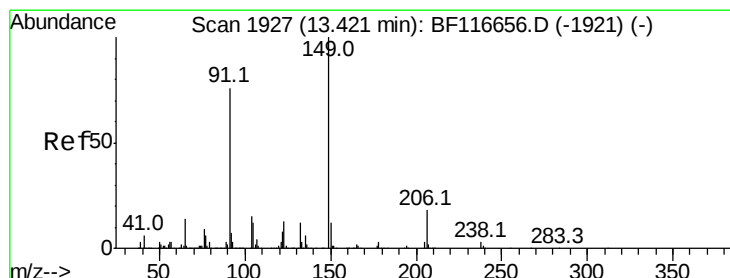
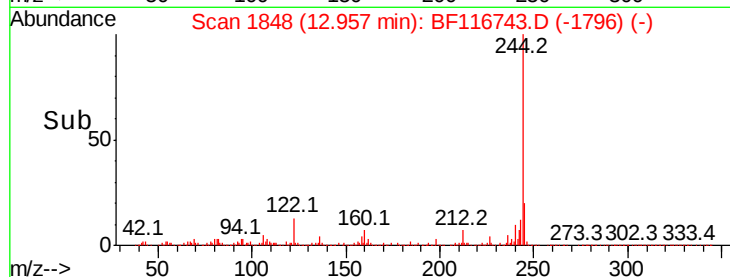
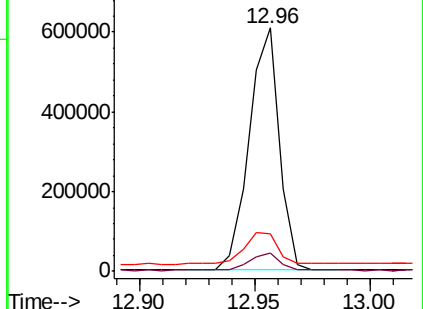
122 15.7 10.2 15.4#



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



#80

Butylbenzylphthalate

Concen: 2.089 ng

RT: 13.43 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

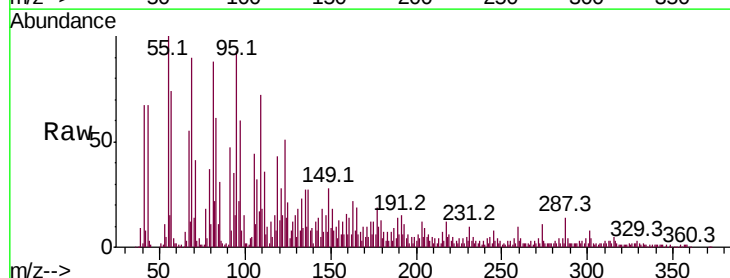
Tgt Ion:149 Resp: 14817

Ion Ratio Lower Upper

149 100

91 169.6 61.0 91.4#

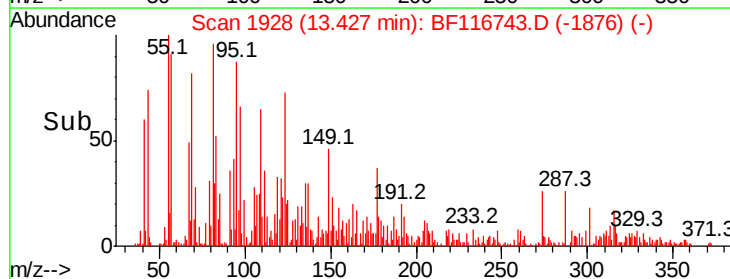
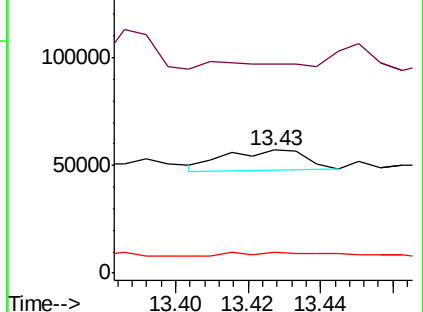
206 17.5 14.8 22.2

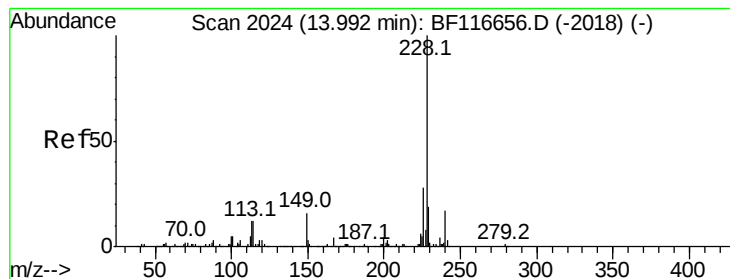


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.148 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampled :

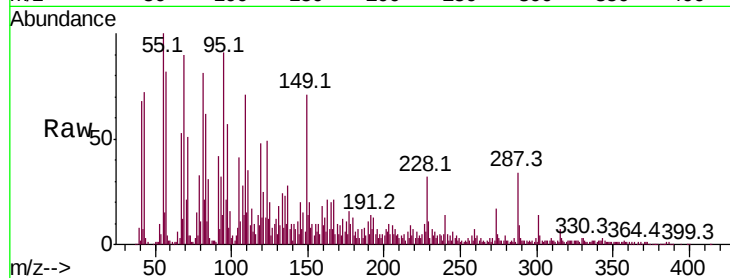
Tot Ion:228 Resp: 84619

Ion Ratio Lower Upper

228 100

226 31.9 22.0 33.0

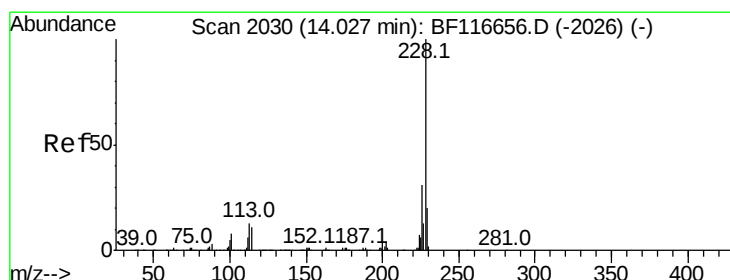
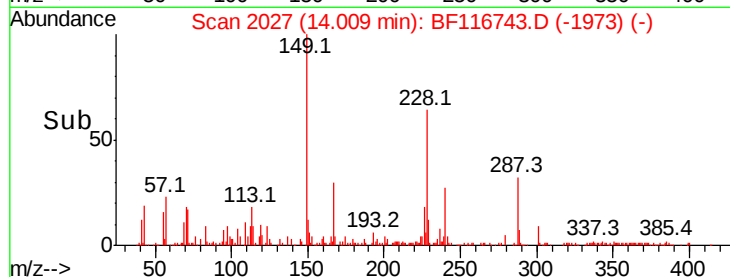
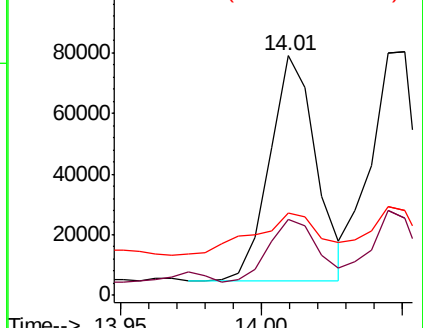
229 34.5 16.4 24.6#



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: 8.120 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

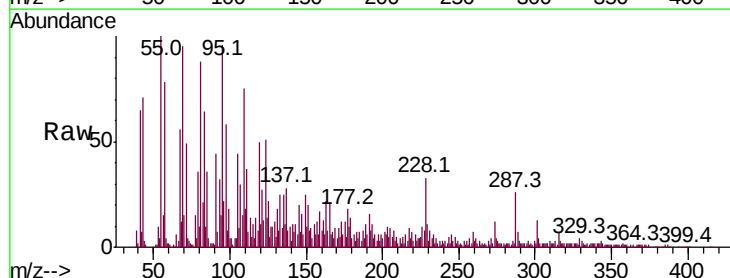
Tgt Ion:228 Resp: 86886

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

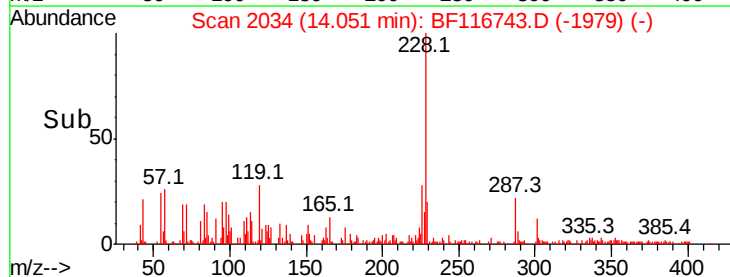
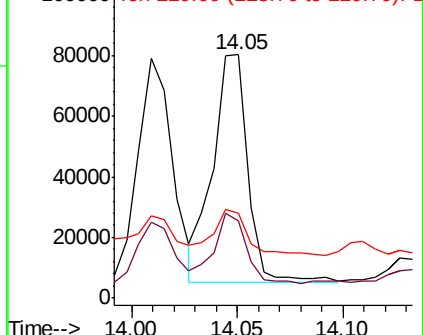
229 35.0 15.4 23.0#

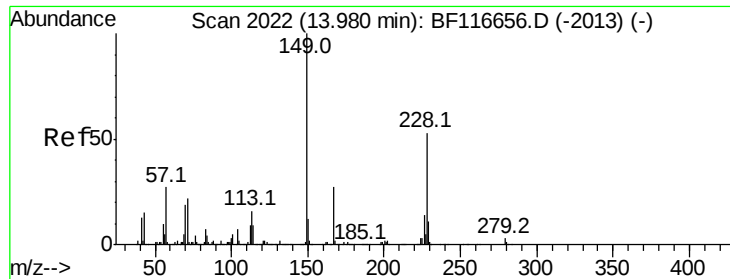


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.552 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

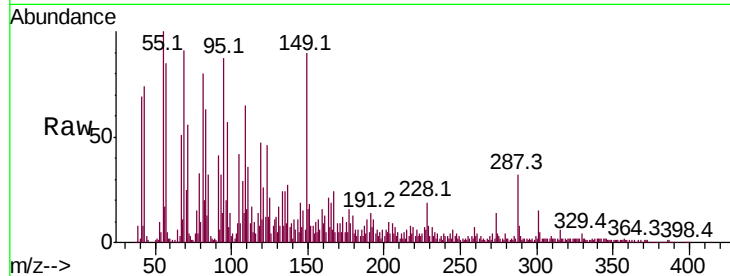
Tot Ion:149 Resp: 162457

Ion Ratio Lower Upper

149 100

167 26.9 21.0 31.4

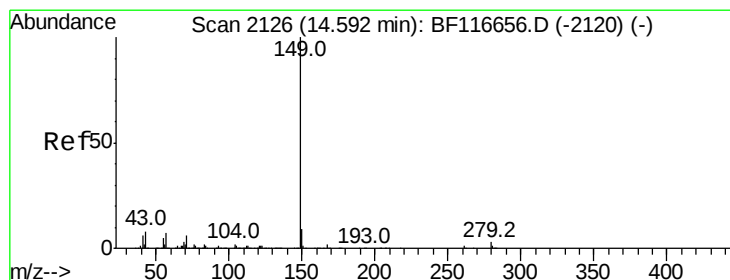
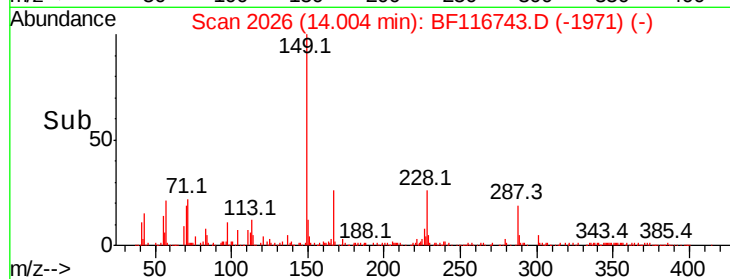
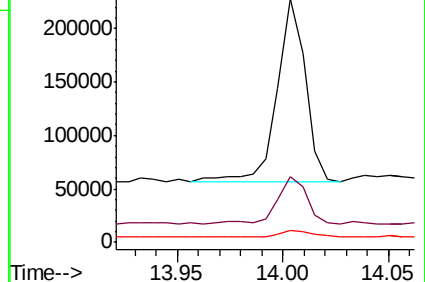
279 4.8 2.8 4.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.893 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.02 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

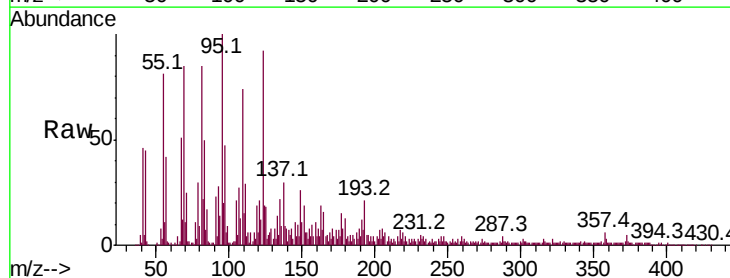
Tgt Ion:149 Resp: 41452

Ion Ratio Lower Upper

149 100

167 15.2 1.3 1.9#

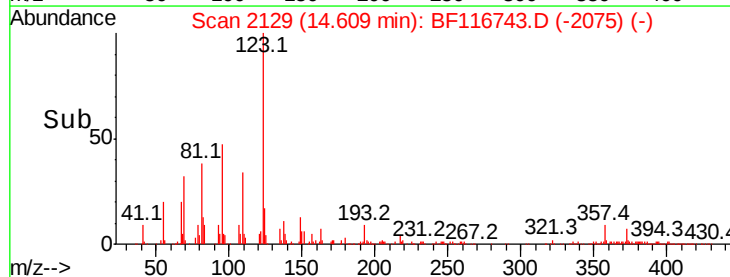
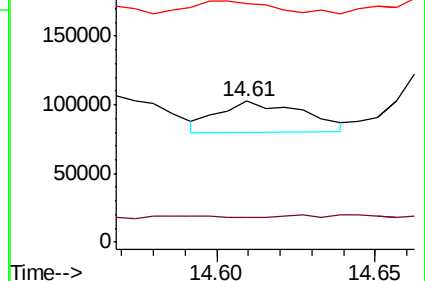
43 58.5 7.8 11.8#

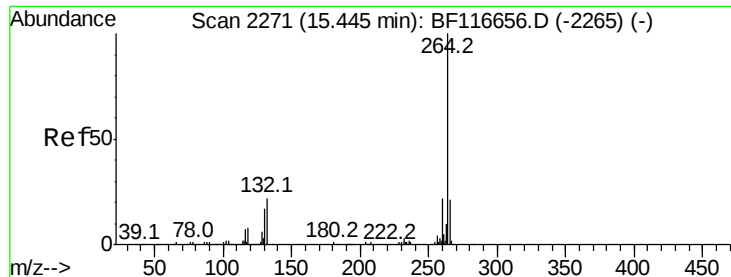


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.10 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

Instrument :

BNA_F

ClientSampleId :

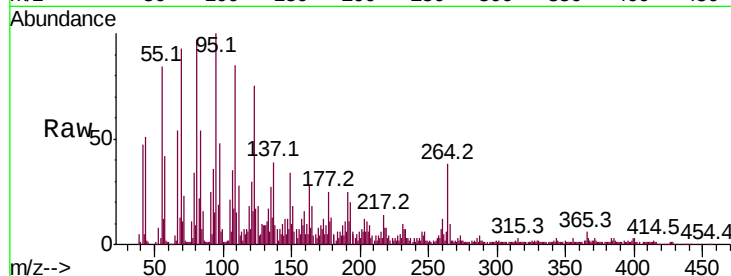
Tot Ion:264 Resp: 156835

Ion Ratio Lower Upper

264 100

260 30.0 18.3 27.5#

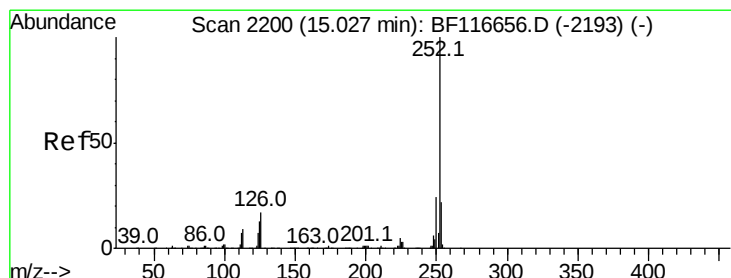
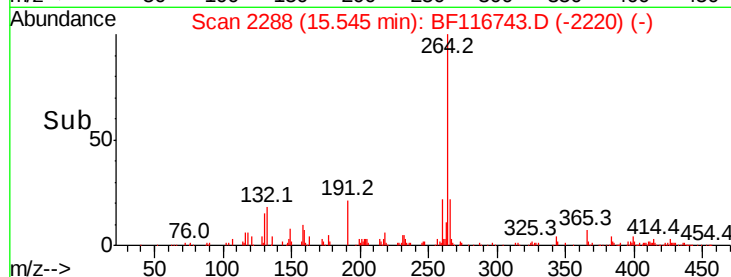
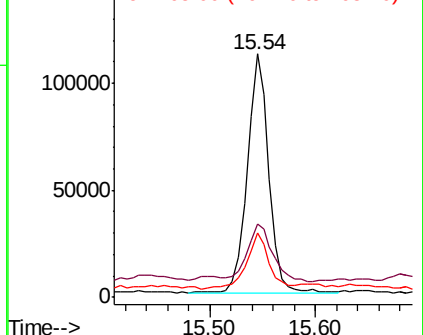
265 26.3 16.5 24.7#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.671 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.06 min

Lab File: BF116743.D

Acq: 1 Sep 2019 15:32

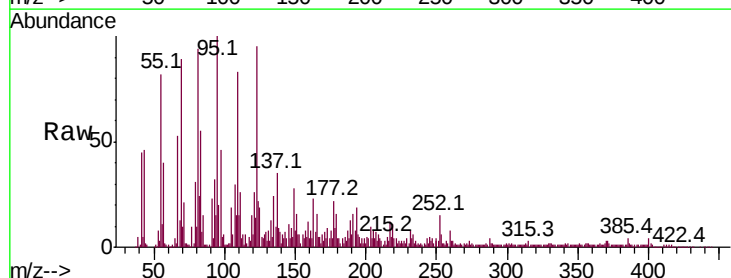
Tgt Ion:252 Resp: 120143

Ion Ratio Lower Upper

252 100

253 38.3 17.7 26.5#

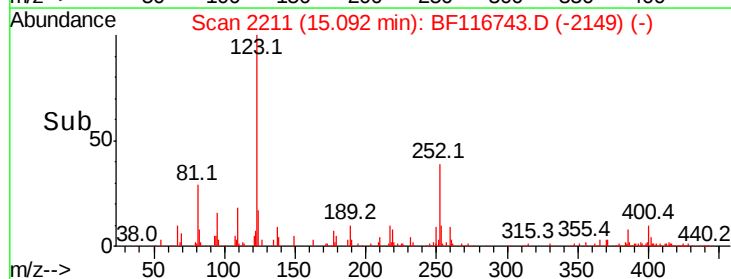
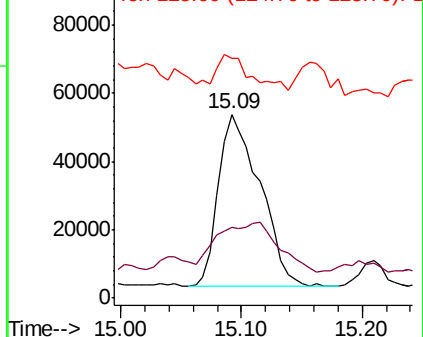
125 130.8 8.2 12.2#

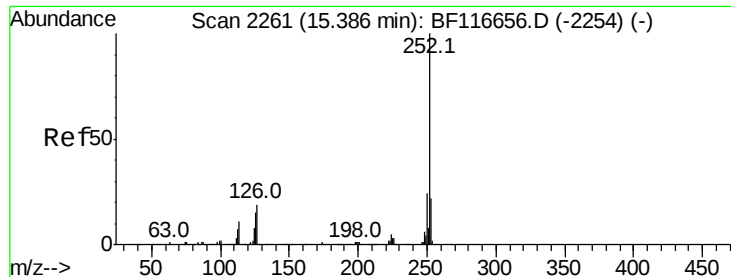


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

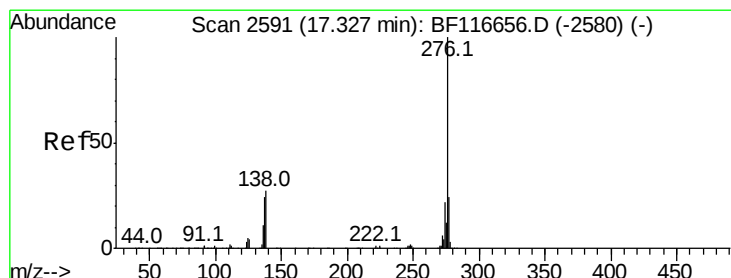
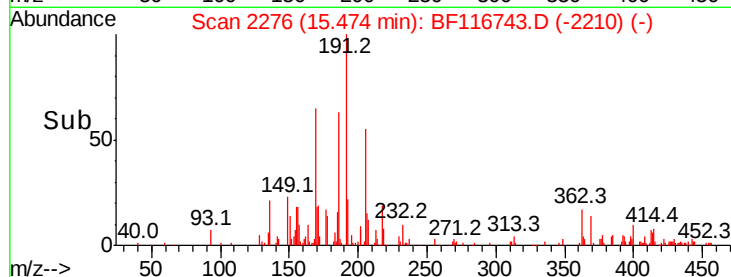
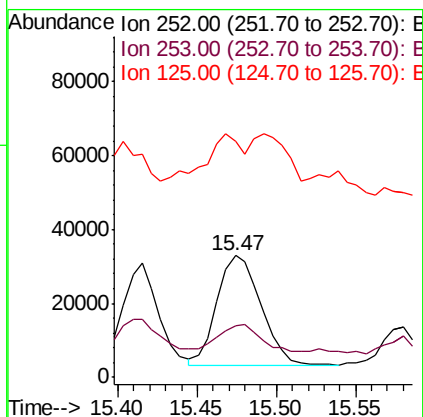
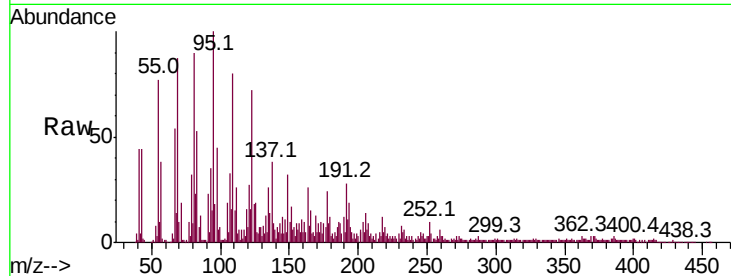




#90
Benzo(a)pyrene
Concen: 6.989 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.09 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57653
Ion Ratio Lower Upper
252 100
253 42.4 18.1 27.1#
125 193.7 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 5.109 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.12 min
Lab File: BF116743.D
Acq: 1 Sep 2019 15:32

Tgt Ion:276 Resp: 37624
Ion Ratio Lower Upper
276 100
277 30.0 18.5 27.7#
138 54.5 16.2 24.2#

