

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116492.D
 Acq On : 23 Aug 2019 22:06
 Operator : HP/JU
 Sample : K4385-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T8-B-(0-2)

Quant Time: Aug 24 03:35:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	80404	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	271152	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	116557	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	186877	20.00	ng	0.00
76) Chrysene-d12	14.05	240	169556	20.00	ng	0.02
87) Perylene-d12	15.56	264	186081	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	477520	86.78	ng	0.00
7) Phenol-d6	6.50	99	595032	88.19	ng	0.00
23) Nitrobenzene-d5	7.43	82	347697	70.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	103464	103.38	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	526259	72.71	ng	0.00
79) Terphenyl-d14	12.99	244	516098	56.86	ng	0.01

Target Compounds

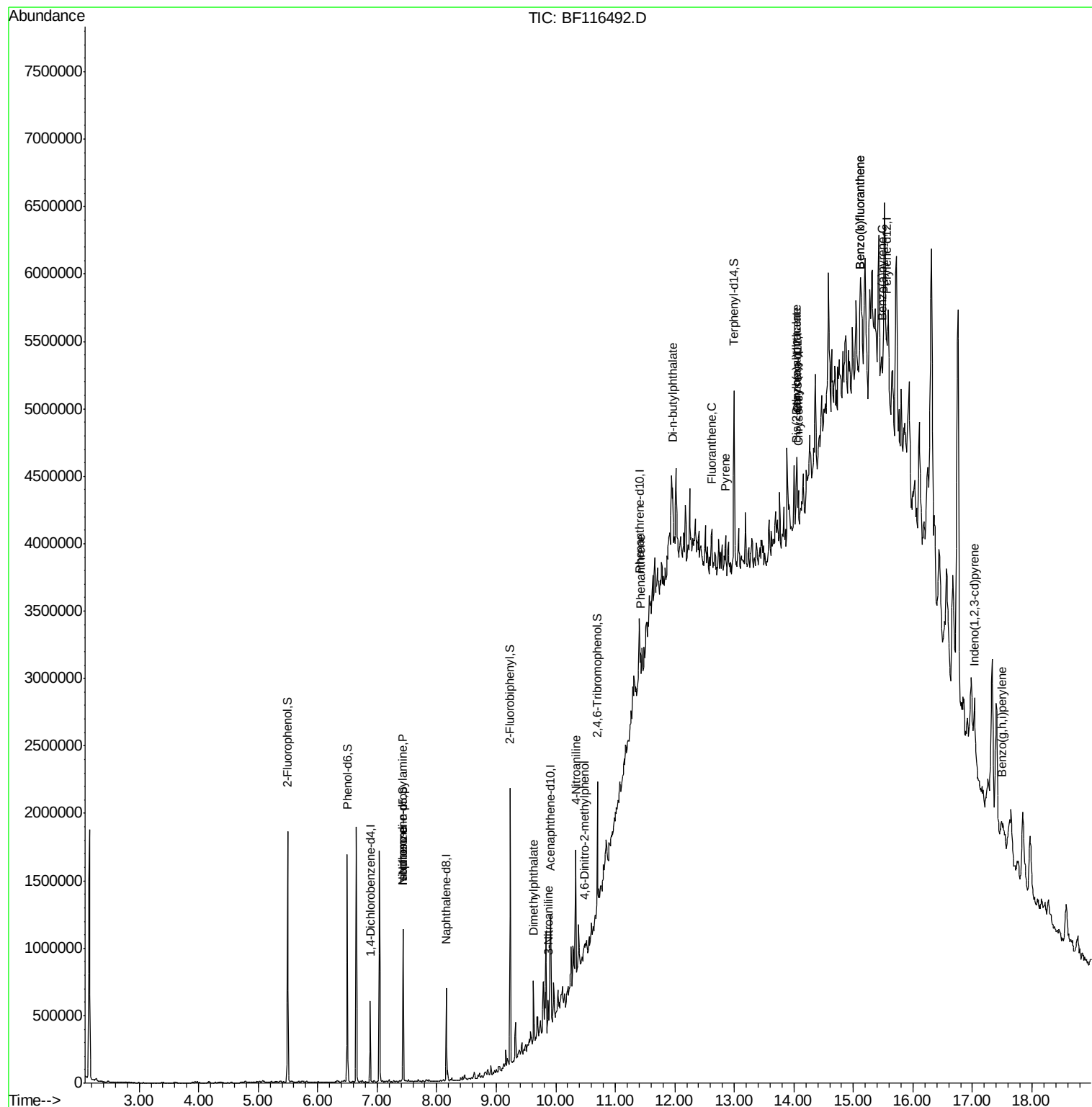
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	48867	10.614	ng	# 79
25) Isophorone	7.43	82	347425	35.572	ng	# 67
50) Dimethylphthalate	9.62	163	34682	4.265	ng	# 92
53) 3-Nitroaniline	9.87	138	6946	3.501	ng	# 13
62) 4-Nitroaniline	10.33	138	8789	4.529	ng	# 87
65) 4,6-Dinitro-2-methylphenol	10.49	198	869	7.974	ng	# 1
71) Phenanthrene	11.43	178	43133	4.237	ng	# 66
74) Di-n-butylphthalate	11.96	149	43084	3.786	ng	# 50
75) Fluoranthene	12.62	202	100171	9.517	ng	# 82
78) Pyrene	12.85	202	101615	7.494	ng	# 84
81) Benzo(a)anthracene	14.04	228	62292	5.672	ng	# 82
83) Chrysene	14.07	228	52355	4.704	ng	# 80
84) Bis(2-ethylhexyl)phthalate	14.03	149	19528	2.501	ng	# 84
86) Indeno(1,2,3-cd)pyrene	17.04	276	39178	4.109	ng	# 94
88) Benzo(b)fluoranthene	15.10	252	101380	8.819	ng	# 1
89) Benzo(k)fluoranthene	15.10	252	101380	9.735	ng	# 1
90) Benzo(a)pyrene	15.49	252	51398	5.059	ng	# 1
92) Benzo(g,h,i)perylene	17.49	276	37640	4.729	ng	# 71

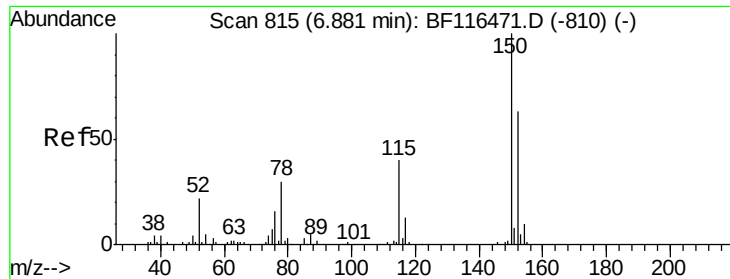
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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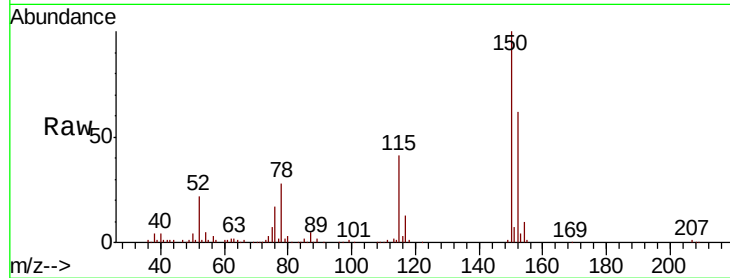


#1

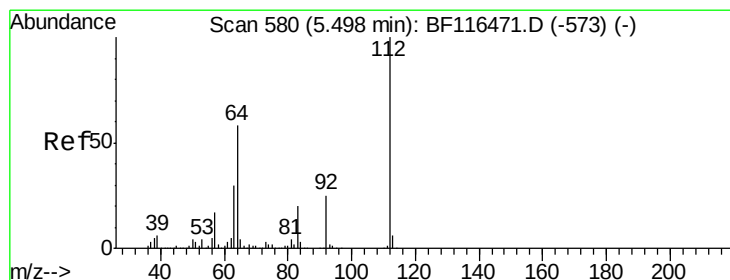
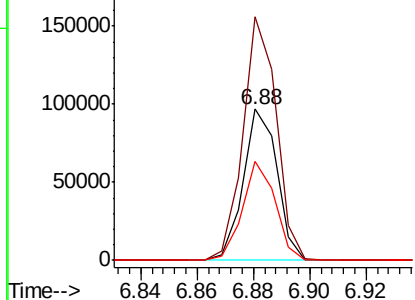
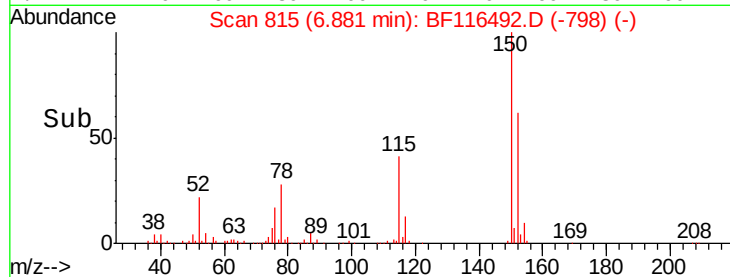
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

Instrument :
BNA_F
ClientSampleId :
T8-B-(0-2)

Tgt Ion:152 Resp: 80404
Ion Ratio Lower Upper
152 100
150 161.3 126.7 190.1
115 65.5 50.9 76.3



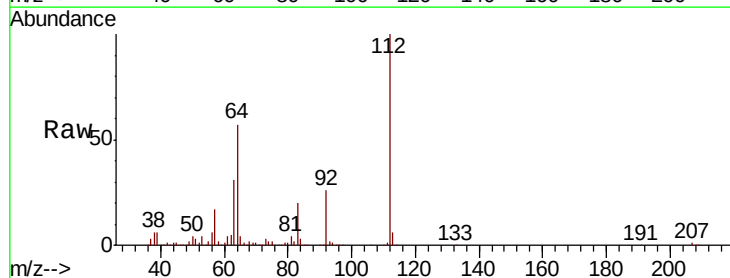
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



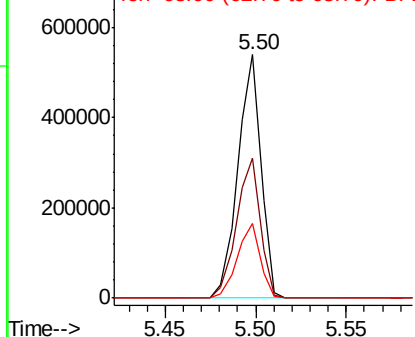
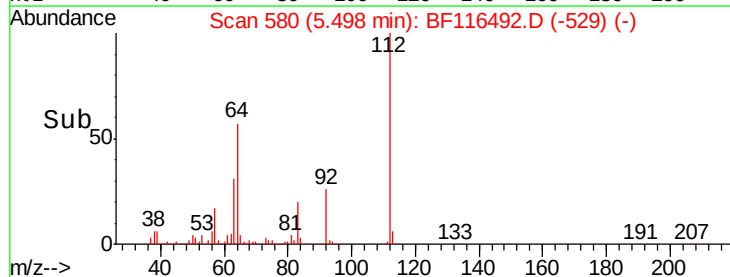
#5

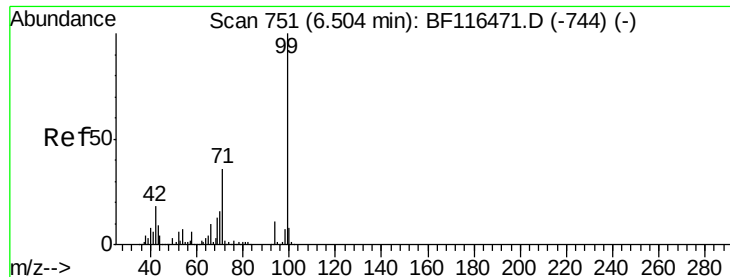
2-Fluorophenol
Concen: 86.778 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

Tgt Ion:112 Resp: 477520
Ion Ratio Lower Upper
112 100
64 57.4 46.3 69.5
63 30.6 24.2 36.4



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: 88.189 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

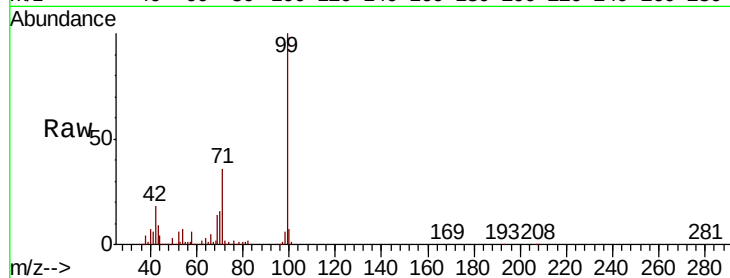
Tgt Ion: 99 Resp: 595032

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

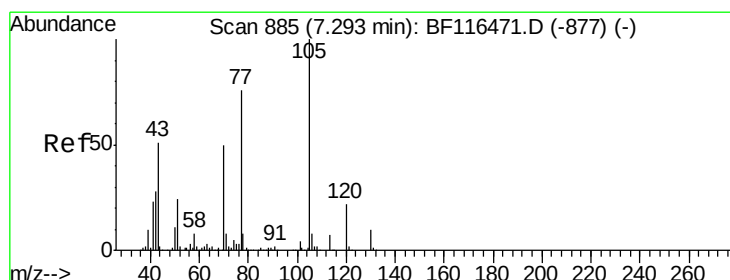
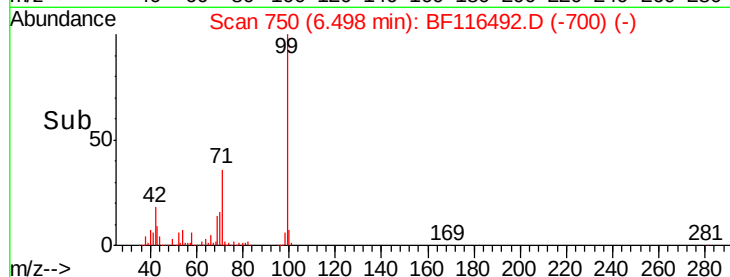
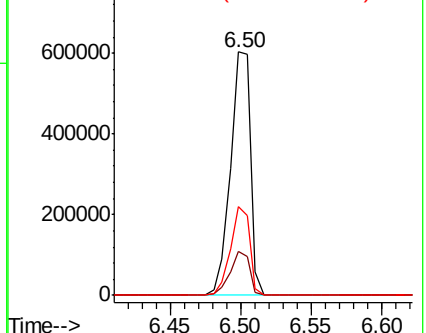
71 36.4 28.5 42.7



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: 10.614 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Tgt Ion: 70 Resp: 48867

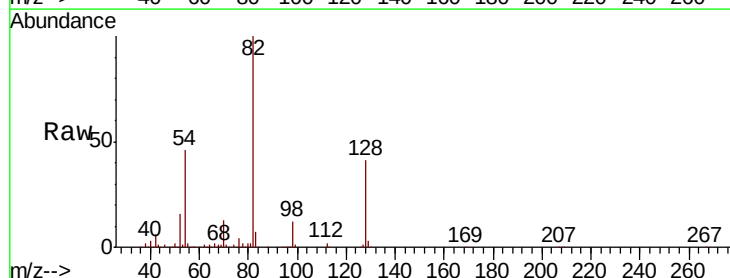
Ion Ratio Lower Upper

70 100

42 45.8 44.4 66.6

101 0.0 7.1 10.7#

130 2.1 15.8 23.8#

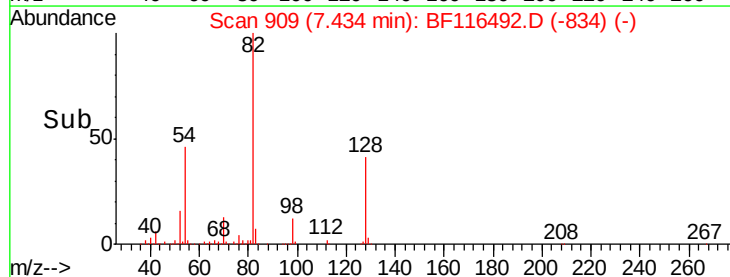
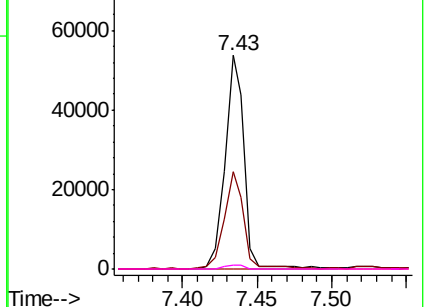


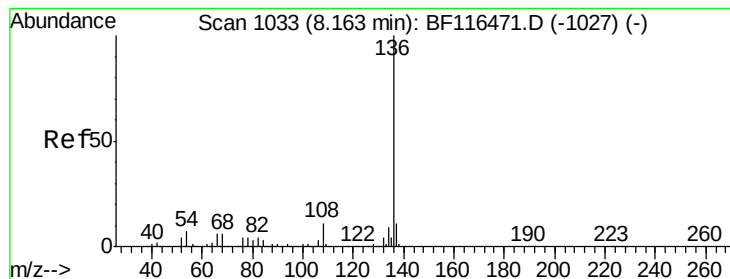
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

Tgt Ion: 136 Resp: 271152

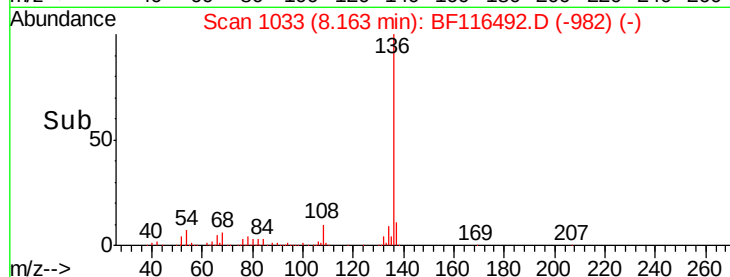
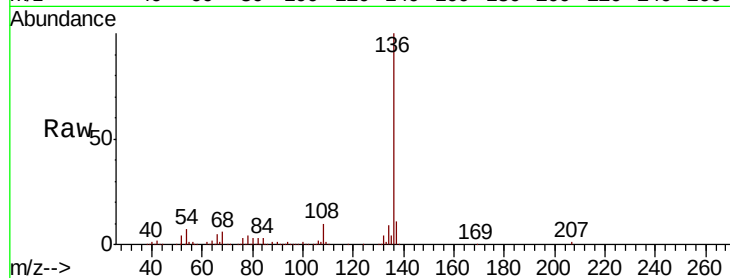
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.6 5.8 8.6

68 5.9 5.1 7.7

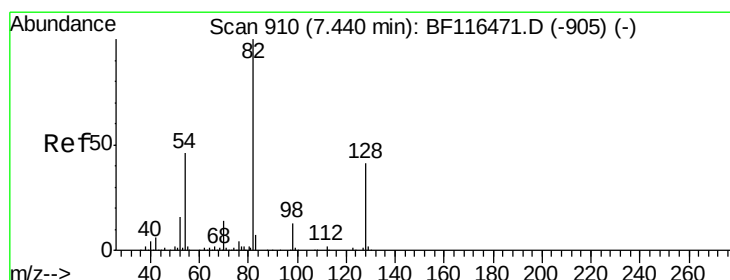
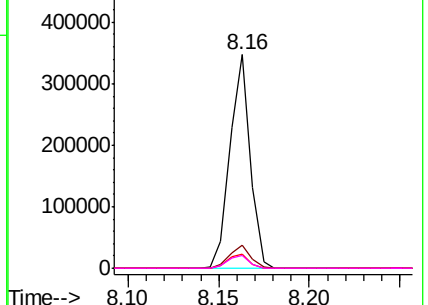


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.154 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

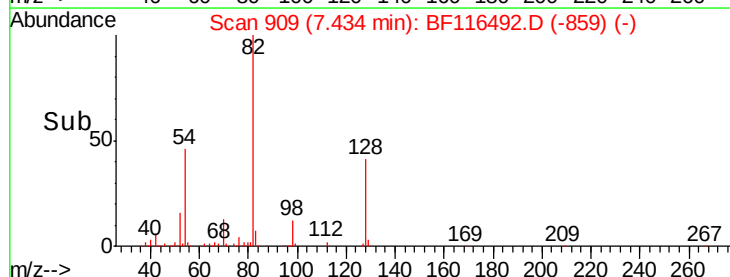
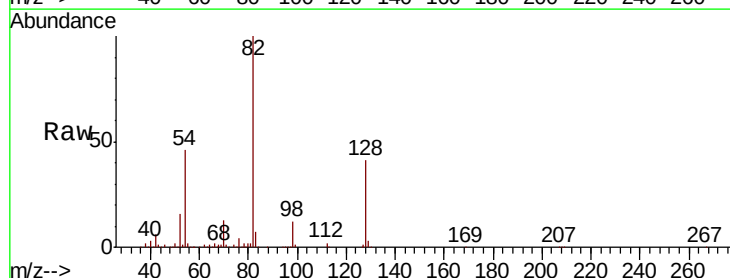
Tgt Ion: 82 Resp: 347697

Ion Ratio Lower Upper

82 100

128 41.2 32.2 48.4

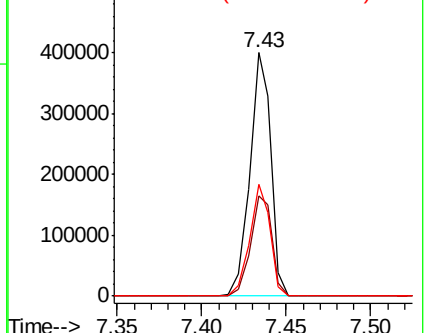
54 46.2 36.5 54.7

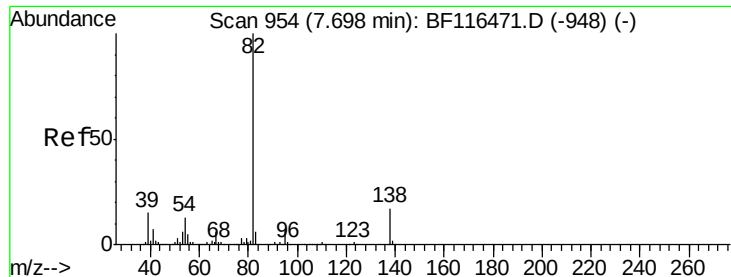


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.572 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampled :

T8-B-(0-2)

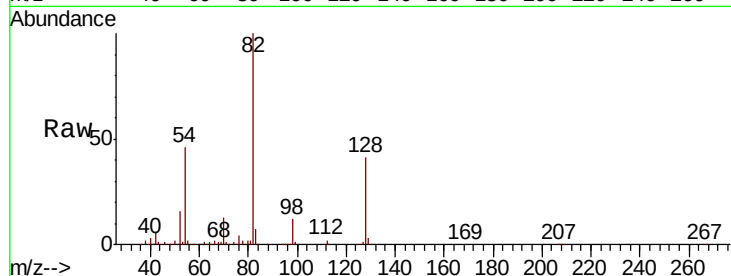
Tgt Ion: 82 Resp: 347425

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

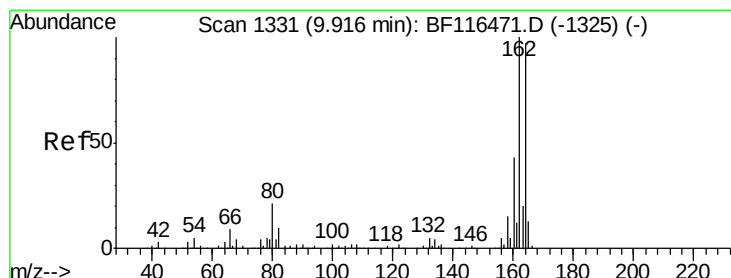
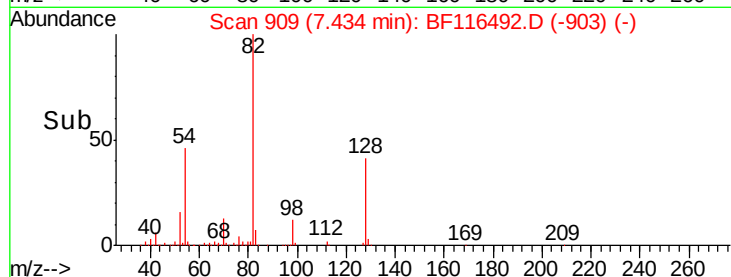
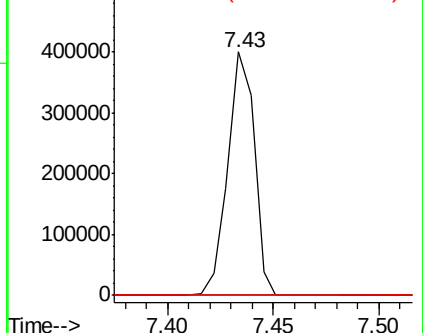
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

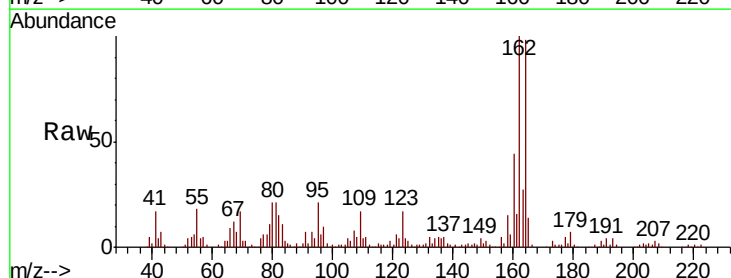
Tgt Ion: 164 Resp: 116557

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

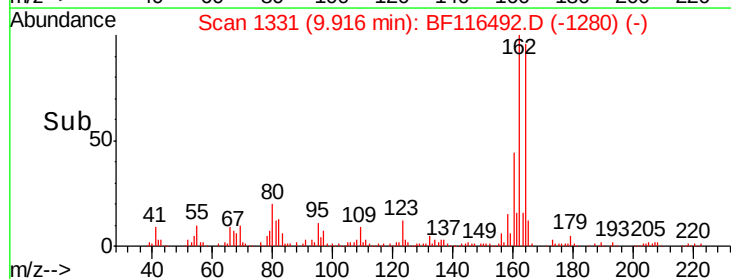
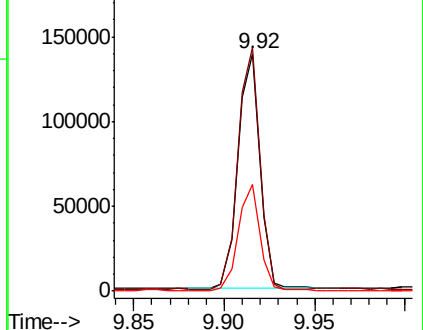
160 44.7 35.8 53.8

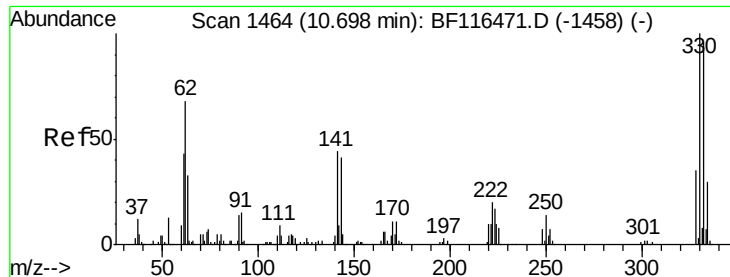


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 103.377 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

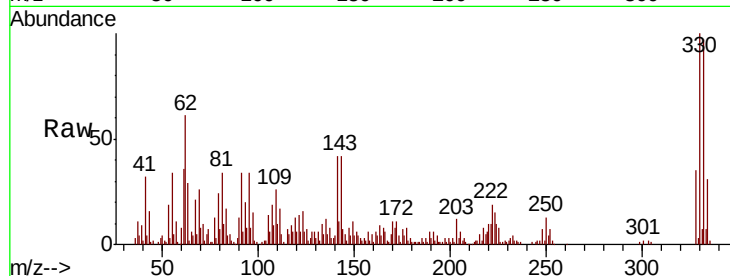
Tgt Ion:330 Resp: 103464

Ion Ratio Lower Upper

330 100

332 97.8 77.2 115.8

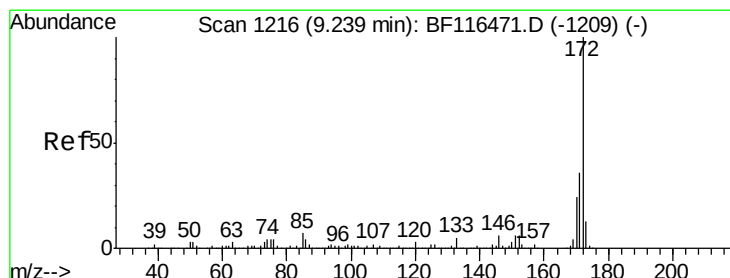
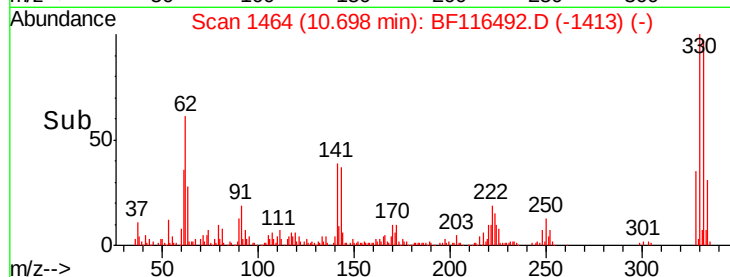
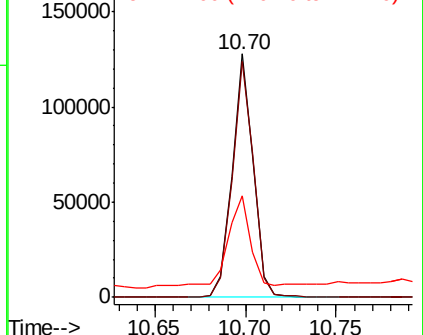
141 43.5 33.3 49.9



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: 72.710 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

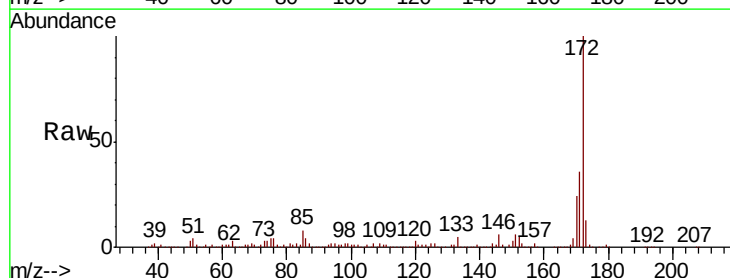
Tgt Ion:172 Resp: 526259

Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

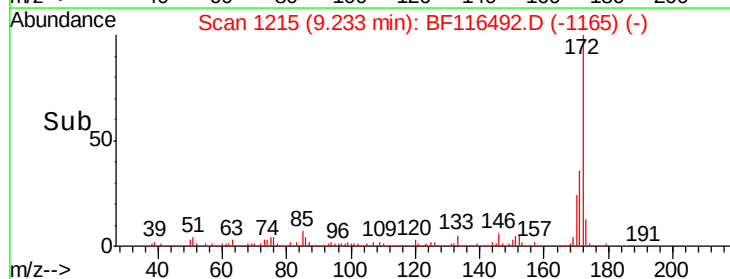
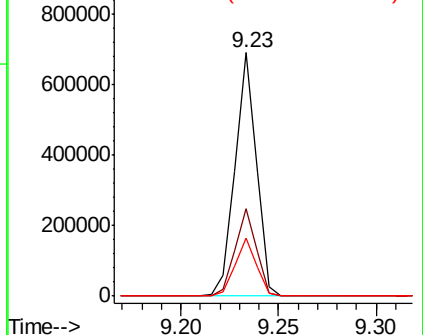
170 23.8 19.4 29.0

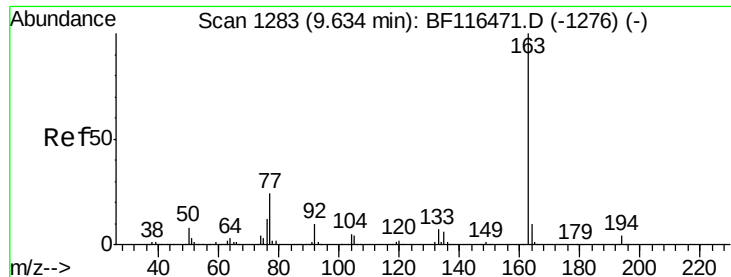


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

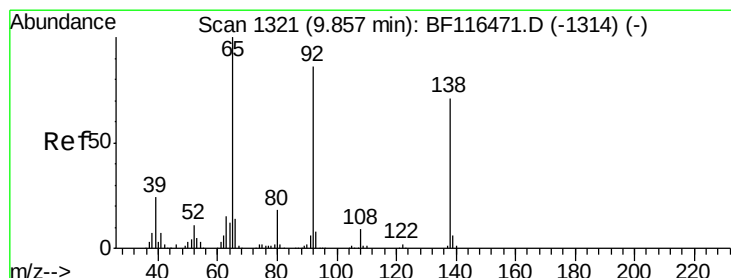
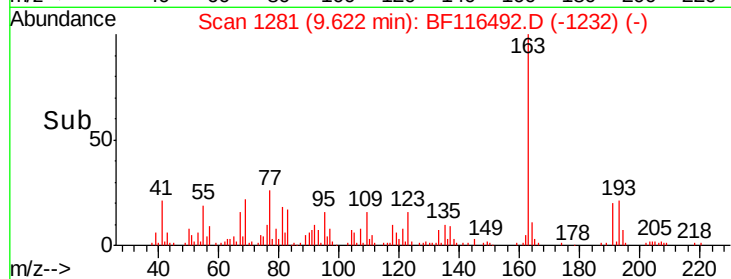
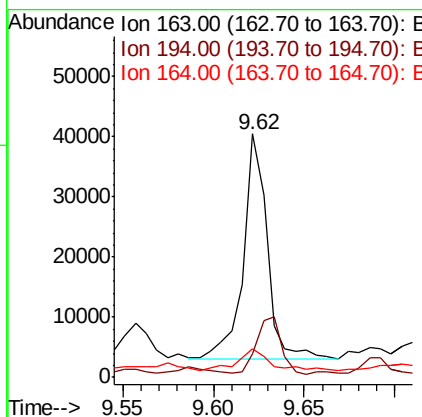
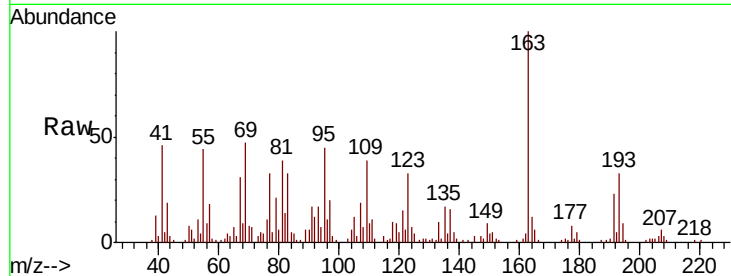




#50
 Dimethylphthalate
 Concen: 4.265 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

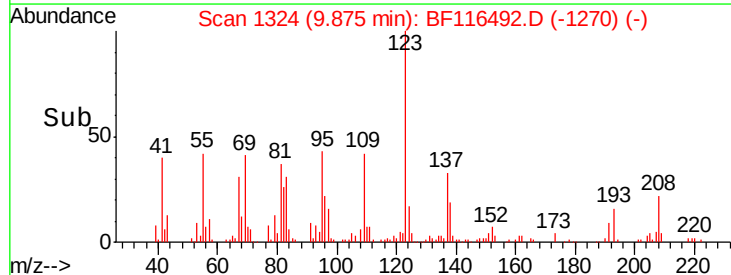
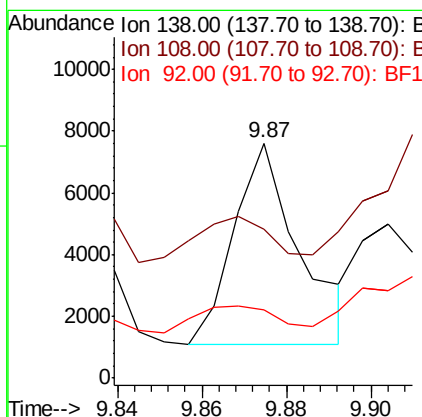
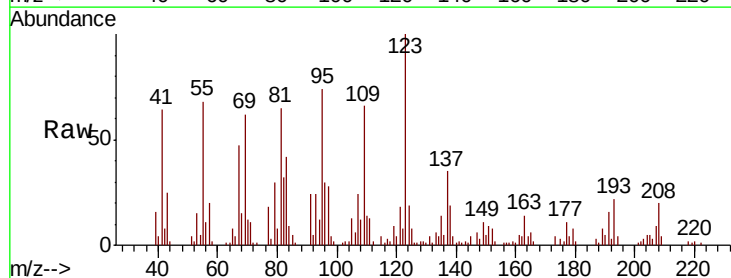
Instrument :
 BNA_F
 ClientSampled :
 T8-B-(0-2)

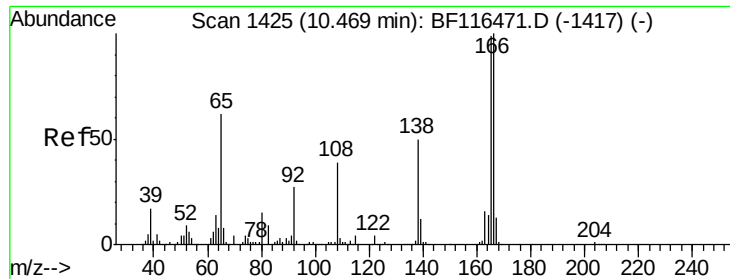
Tgt Ion:163 Resp: 34682
 Ion Ratio Lower Upper
 163 100
 194 9.5 2.9 4.3#
 164 11.7 8.2 12.2



#53
 3-Nitroaniline
 Concen: 3.501 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

Tgt Ion:138 Resp: 6946
 Ion Ratio Lower Upper
 138 100
 108 63.6 10.0 15.0#
 92 29.1 97.7 146.5#

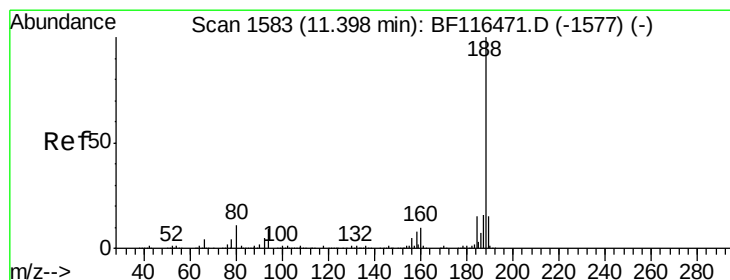
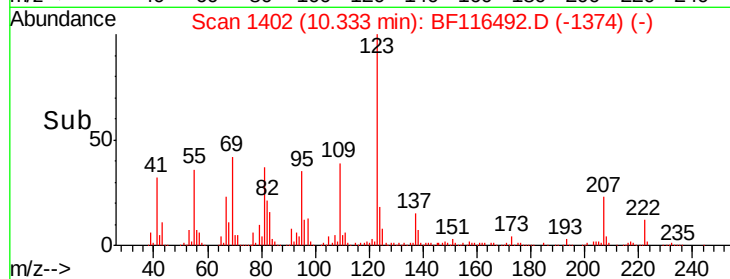
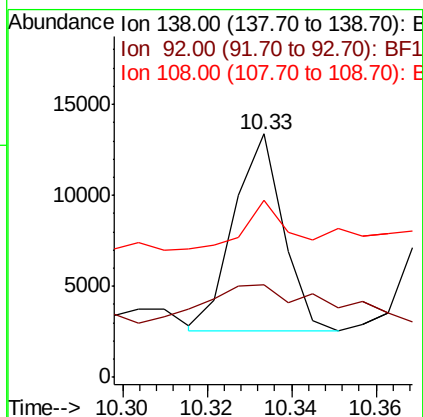
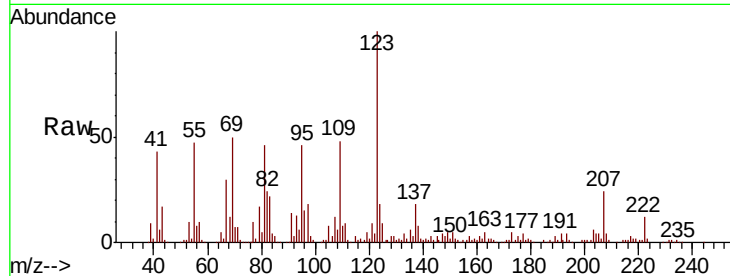




#62
4-Nitroaniline
Concen: 4.529 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.14 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

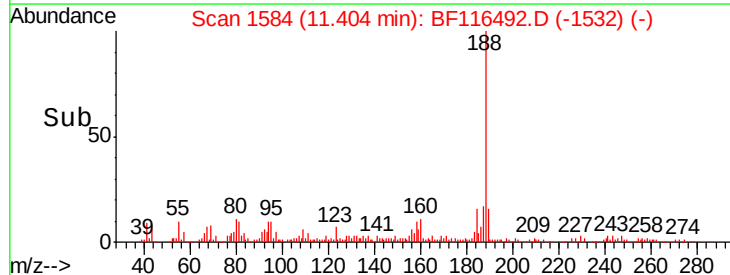
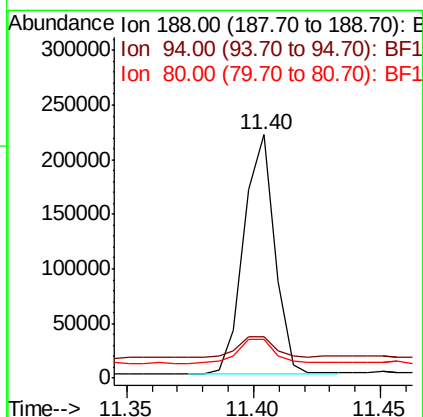
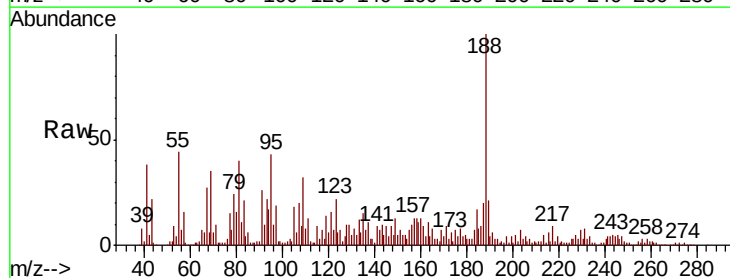
Instrument :
BNA_F
ClientSampled :
T8-B-(0-2)

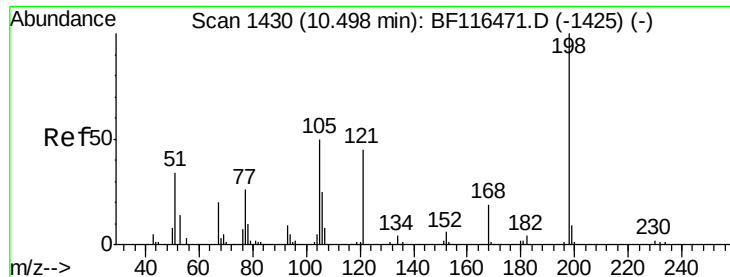
Tgt Ion:138 Resp: 8789
Ion Ratio Lower Upper
138 100
92 37.9 34.9 74.9
108 72.7 57.7 97.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

Tgt Ion:188 Resp: 186877
Ion Ratio Lower Upper
188 100
94 16.9 7.4 11.2#
80 16.1 8.6 12.8#

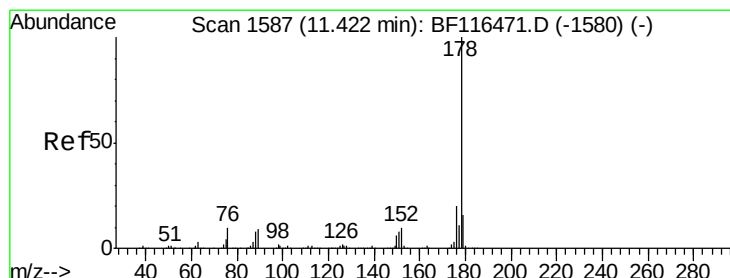
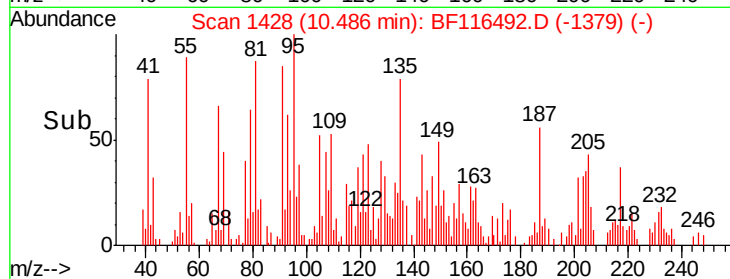
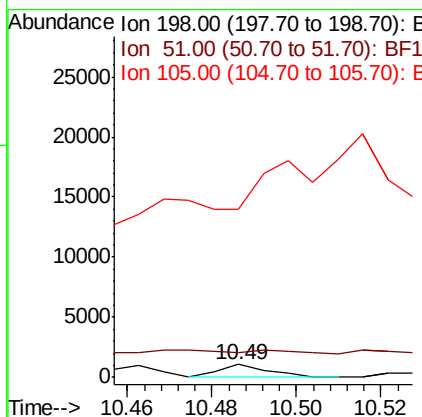
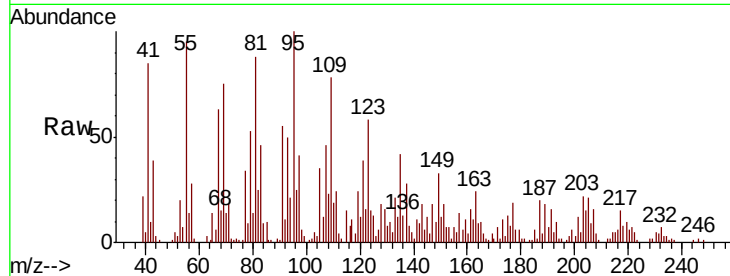




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.974 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

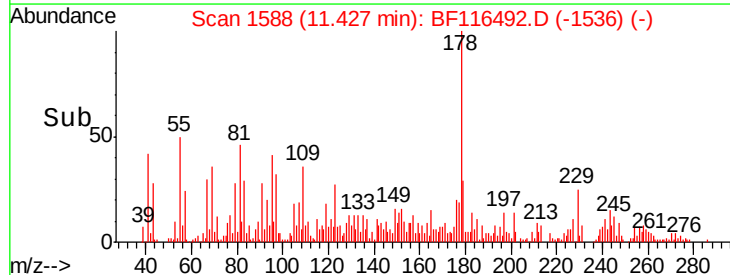
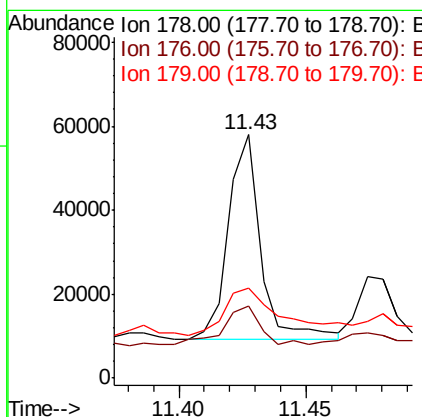
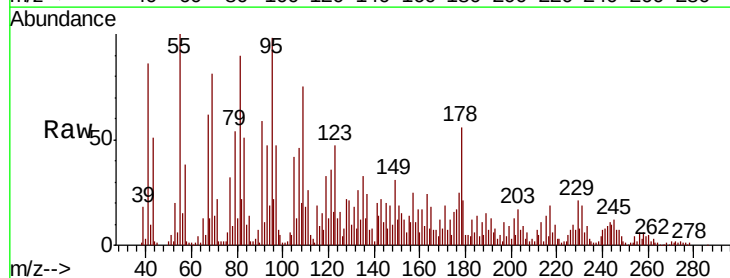
Instrument :
 BNA_F
 ClientSampled :
 T8-B-(0-2)

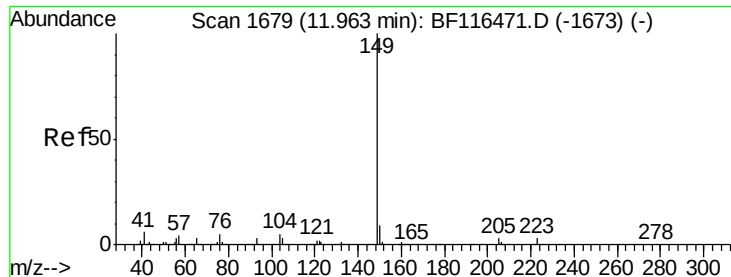
Tgt Ion:198 Resp: 869
 Ion Ratio Lower Upper
 198 100
 51 192.8 30.4 70.4#
 105 1279.2 32.8 72.8#



#71
 Phenanthrene
 Concen: 4.237 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

Tgt Ion:178 Resp: 43133
 Ion Ratio Lower Upper
 178 100
 176 29.6 15.8 23.6#
 179 36.8 12.8 19.2#





#74

Di-n-butylphthalate

Concen: 3.786 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

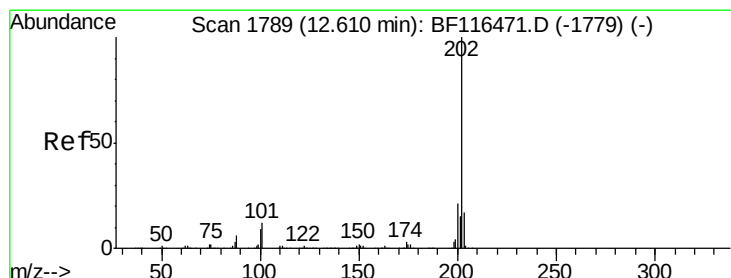
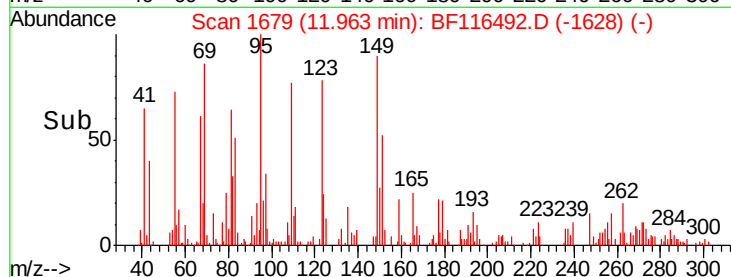
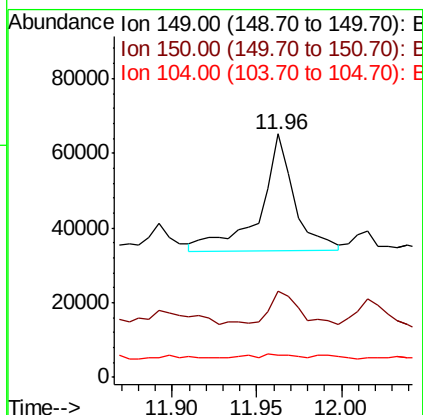
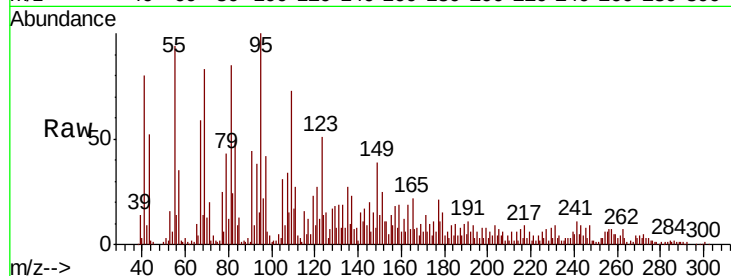
Tgt Ion:149 Resp: 43084

Ion Ratio Lower Upper

149 100

150 35.5 7.5 11.3#

104 8.8 4.1 6.1#



#75

Fluoranthene

Concen: 9.517 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

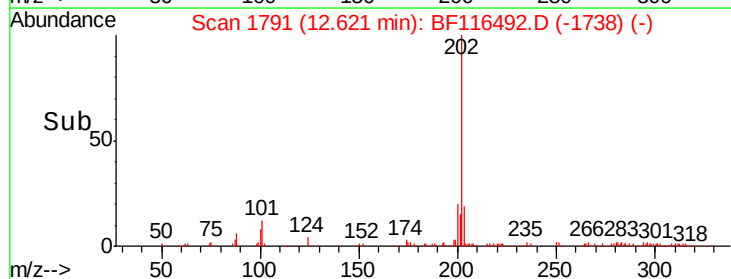
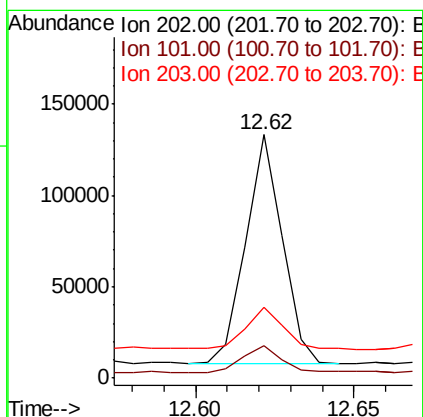
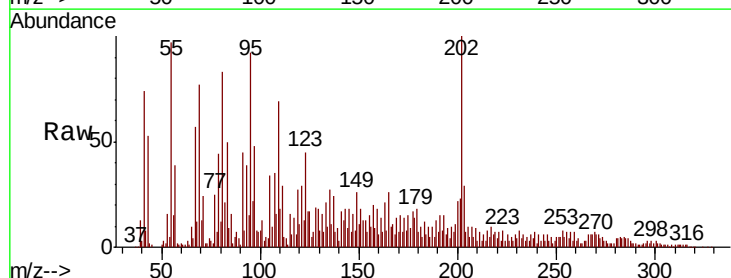
Tgt Ion:202 Resp: 100171

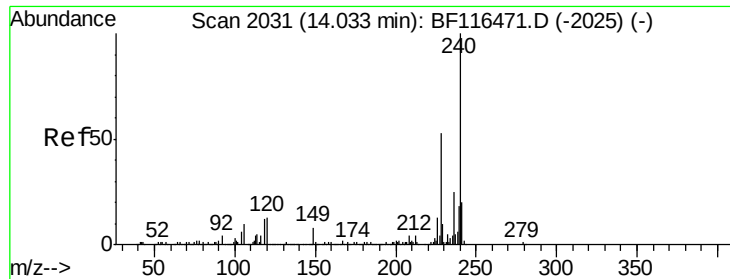
Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.5

203 29.1 0.0 37.5

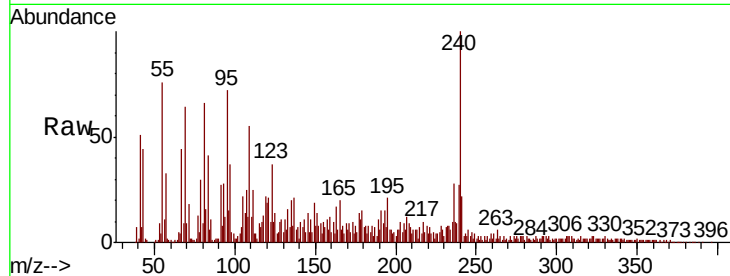




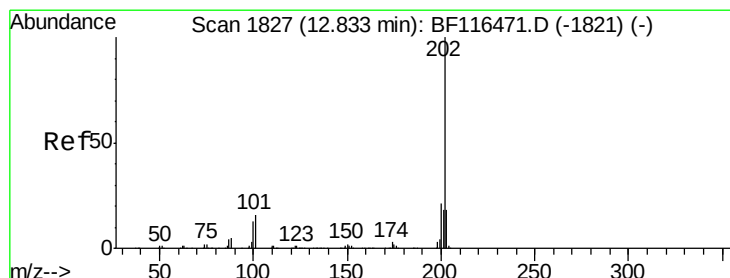
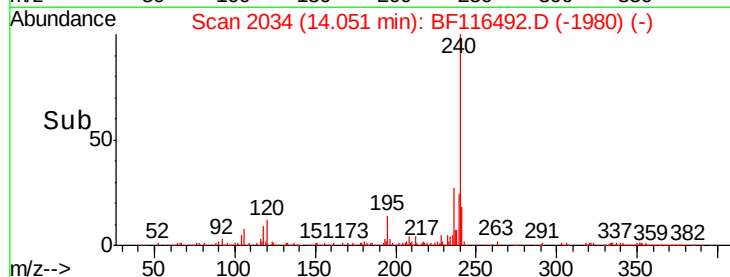
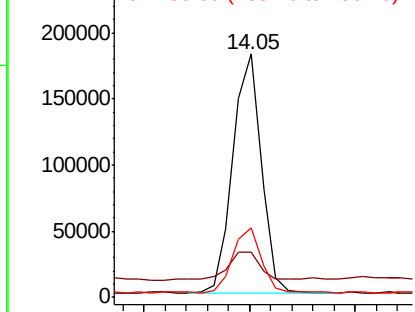
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

Instrument :
BNA_F
ClientSampleId :
T8-B-(0-2)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.7	10.5	15.7#
236	28.4	20.2	30.2

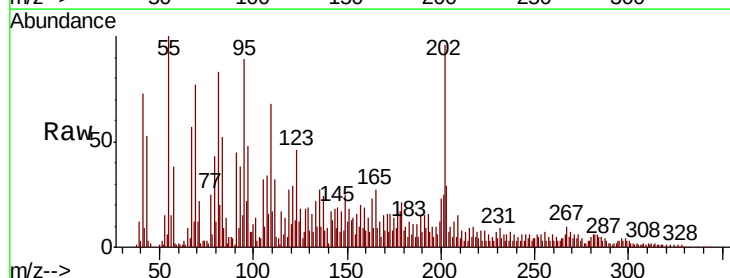


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

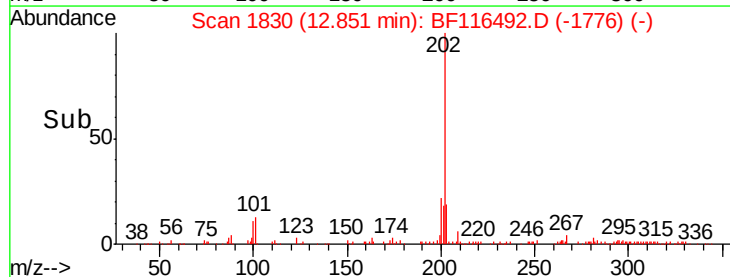
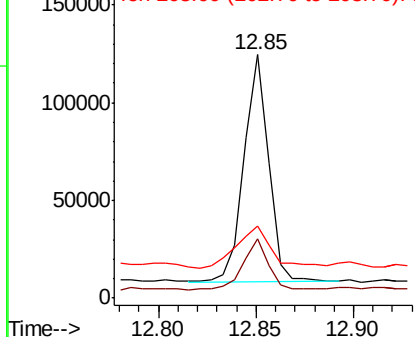


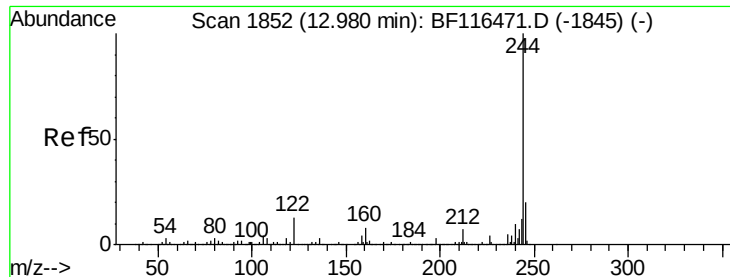
#78
Pyrene
Concen: 7.494 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BF116492.D
Acq: 23 Aug 2019 22:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.2	17.0	25.4
203	29.9	14.2	21.4#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.856 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

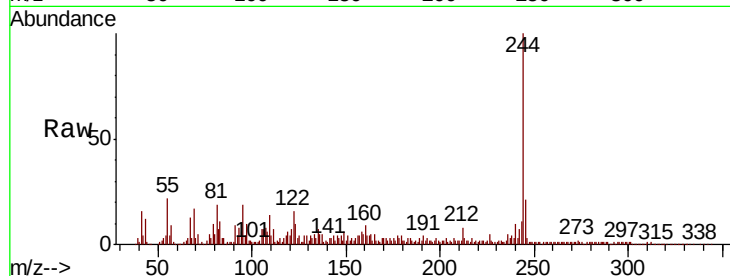
Tgt Ion:244 Resp: 516098

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

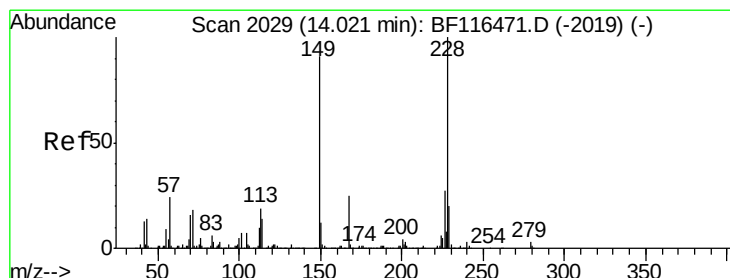
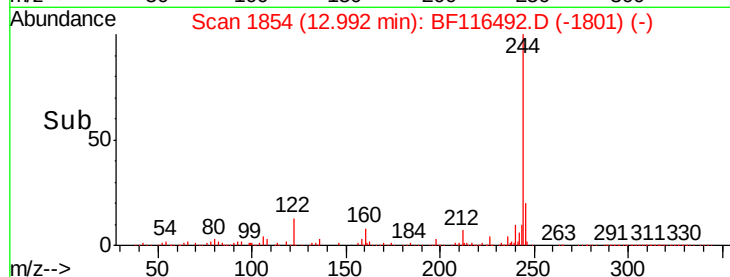
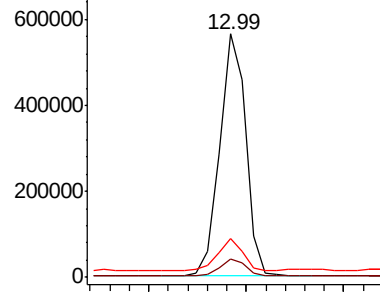
122 15.8 10.2 15.4#



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



#81

Benzo(a)anthracene

Concen: 5.672 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

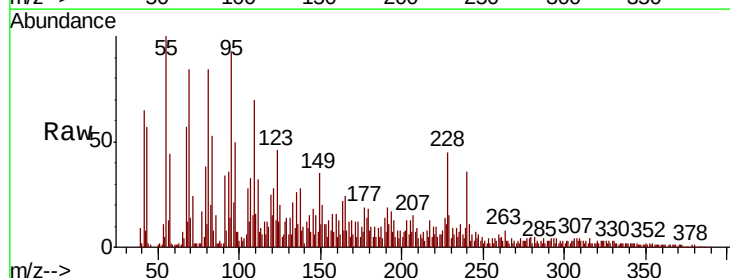
Tgt Ion:228 Resp: 62292

Ion Ratio Lower Upper

228 100

226 31.3 21.8 32.6

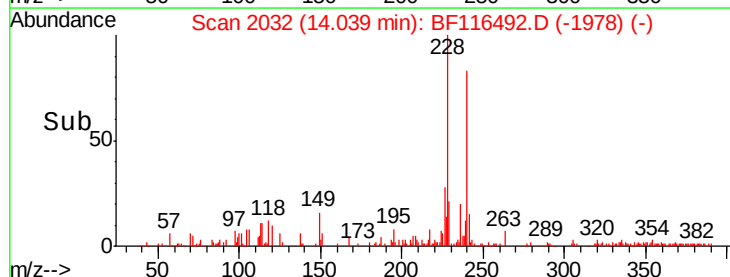
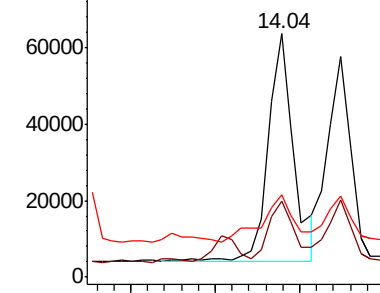
229 34.0 15.9 23.9#

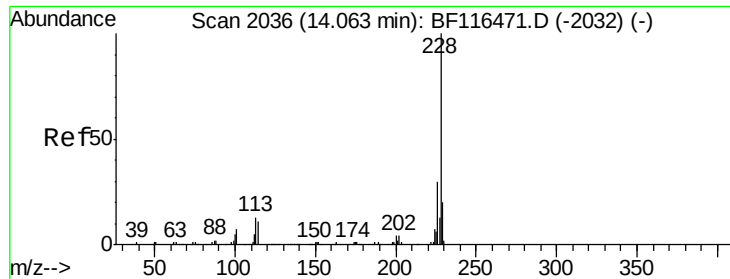


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.704 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

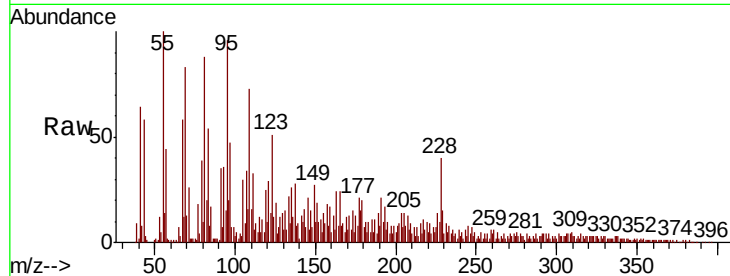
Tgt Ion:228 Resp: 52355

Ion Ratio Lower Upper

228 100

226 34.8 24.2 36.2

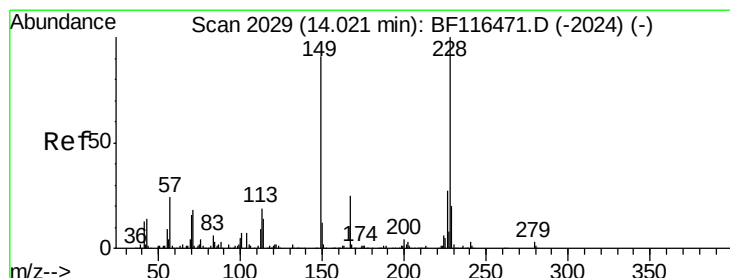
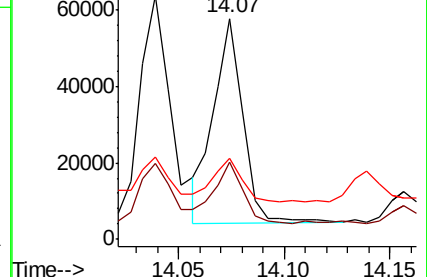
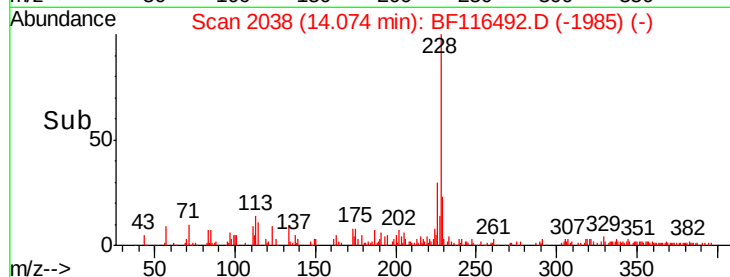
229 36.9 15.8 23.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.501 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

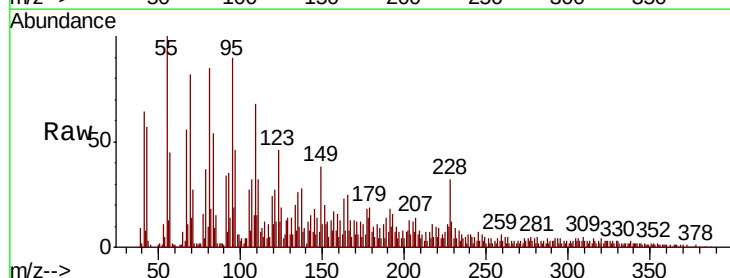
Tgt Ion:149 Resp: 19528

Ion Ratio Lower Upper

149 100

167 35.1 21.8 32.6#

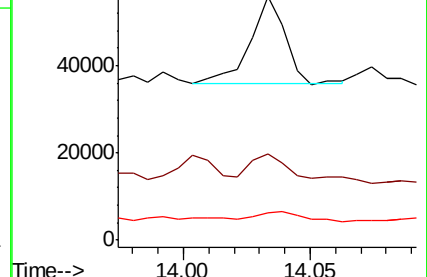
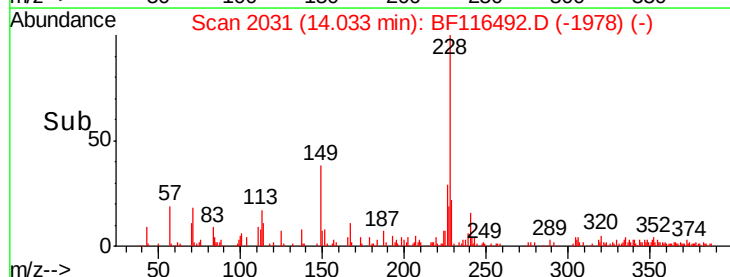
279 11.4 3.0 4.4#

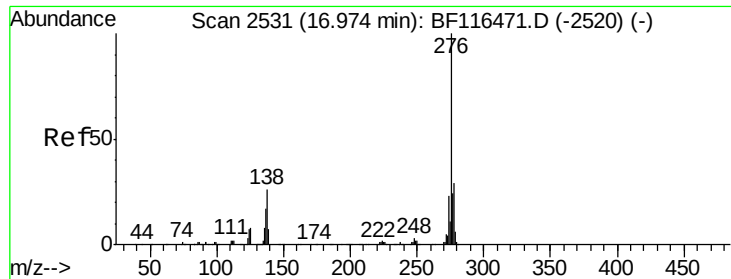


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

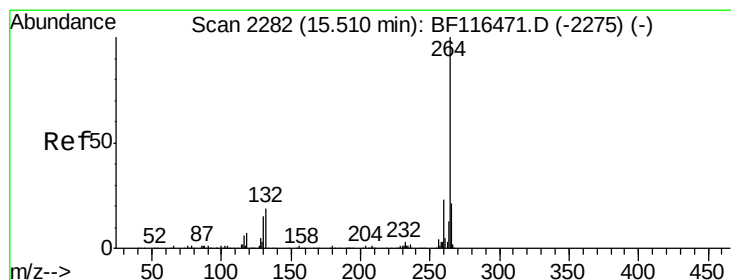
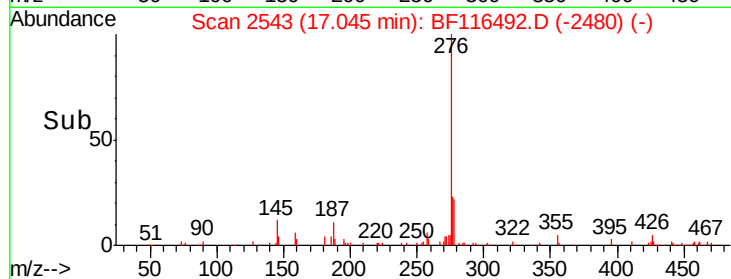
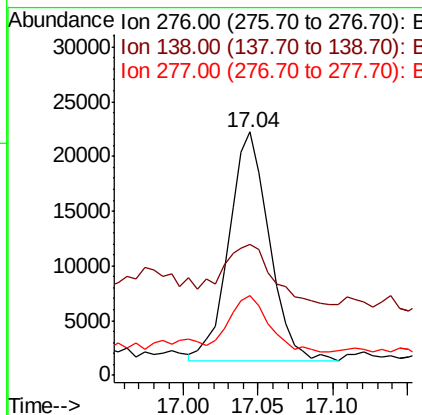
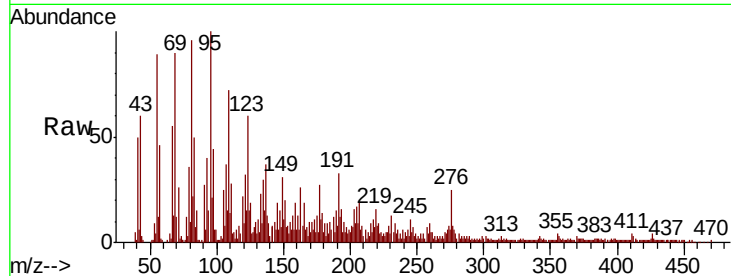




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.109 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.07 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

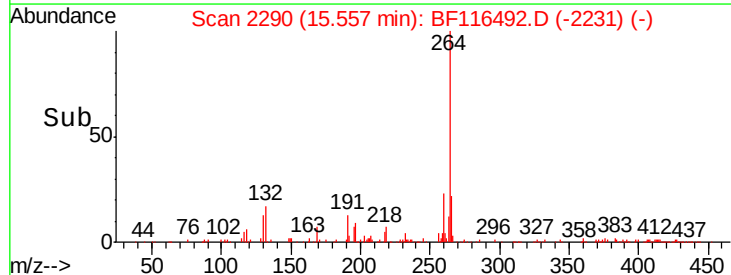
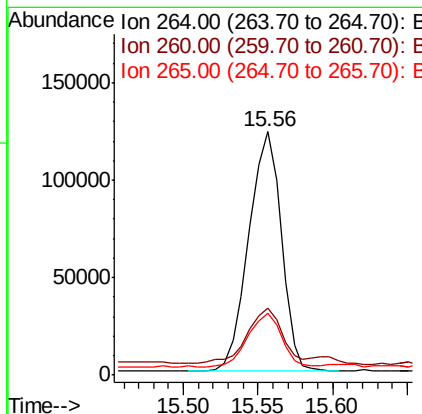
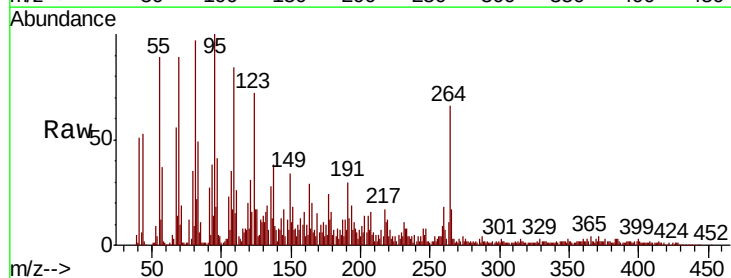
Instrument :
 BNA_F
 ClientSampleId :
 T8-B-(0-2)

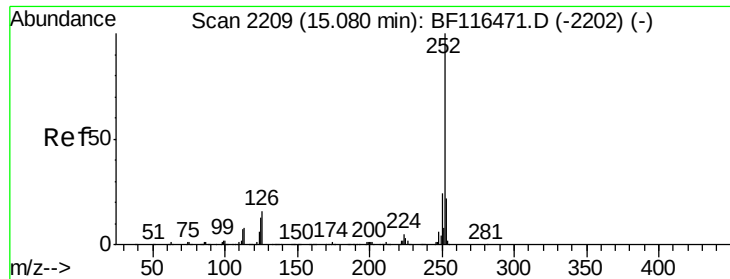
Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.7	22.9	34.3
277	23.8	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.05 min
 Lab File: BF116492.D
 Acq: 23 Aug 2019 22:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.5	18.8	28.2
265	25.5	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 8.819 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.02 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

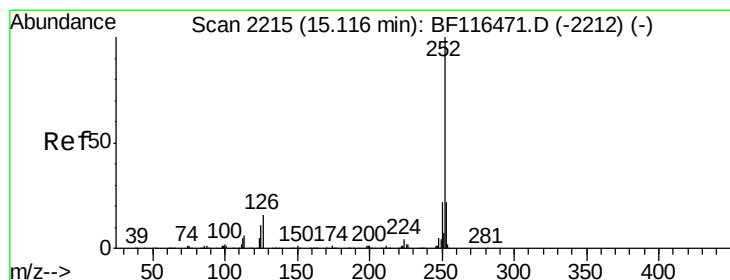
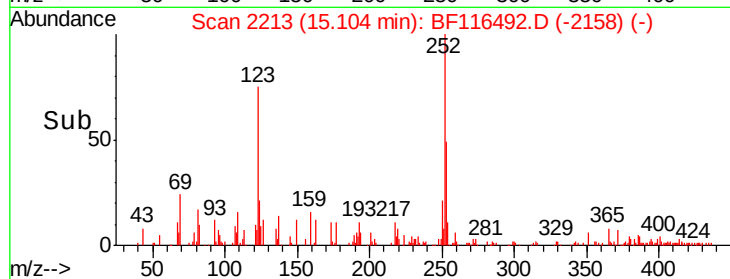
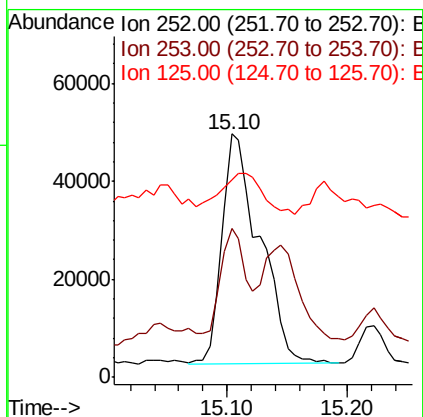
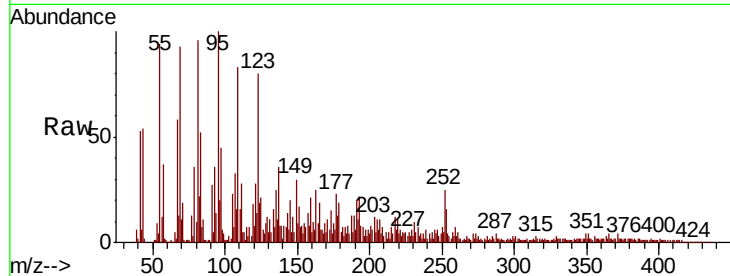
Tgt Ion:252 Resp: 101380

Ion Ratio Lower Upper

252 100

253 61.4 17.5 26.3#

125 81.3 10.1 15.1#



#89

Benzo(k)fluoranthene

Concen: 9.735 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

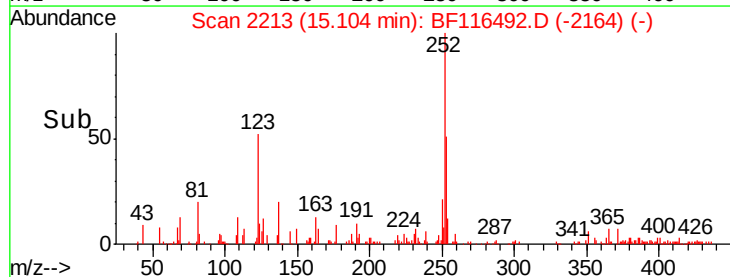
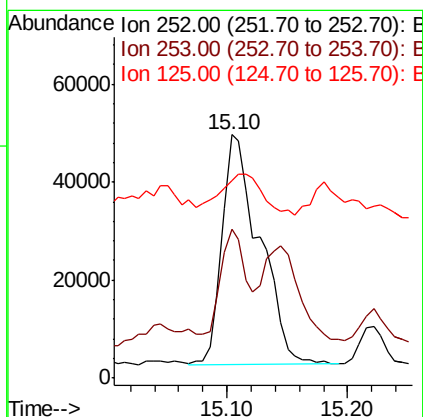
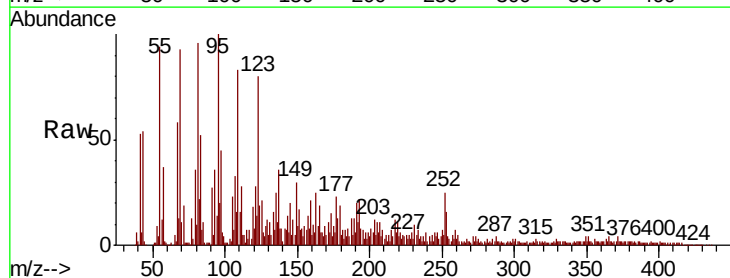
Tgt Ion:252 Resp: 101380

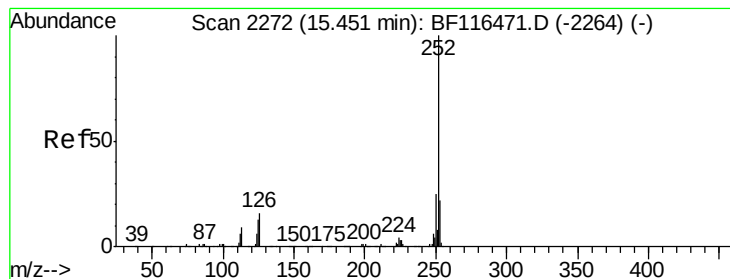
Ion Ratio Lower Upper

252 100

253 61.4 17.4 26.2#

125 81.3 9.1 13.7#





#90

Benzo(a)pyrene

Concen: 5.059 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.04 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

Instrument :

BNA_F

ClientSampleId :

T8-B-(0-2)

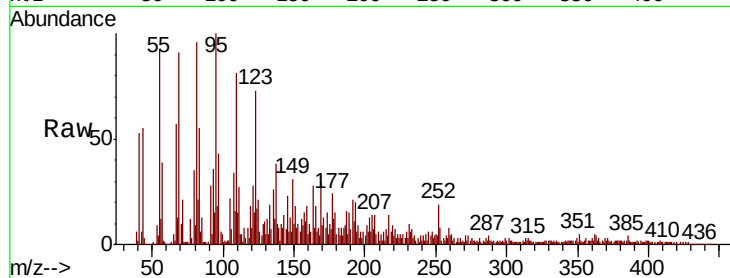
Tgt Ion:252 Resp: 51398

Ion Ratio Lower Upper

252 100

253 39.3 17.2 25.8#

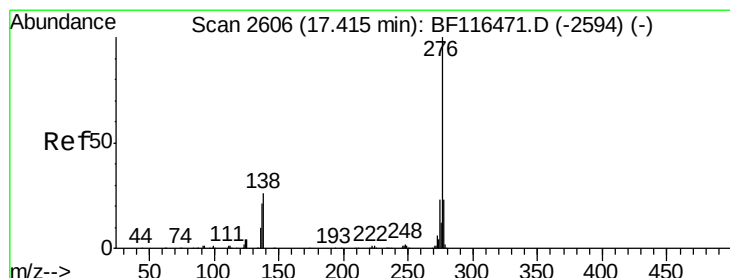
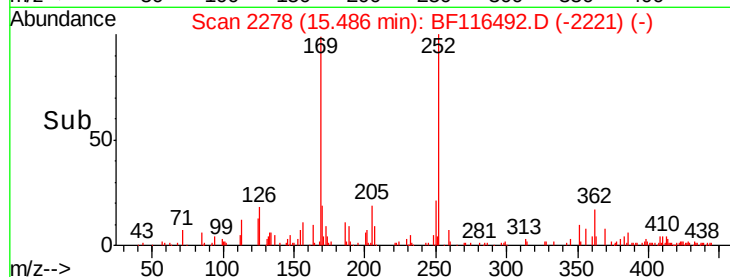
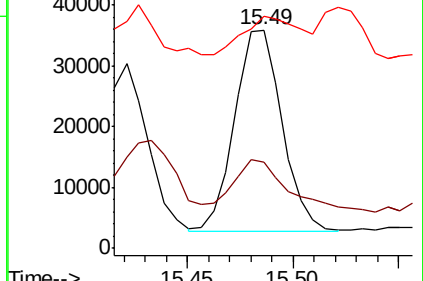
125 106.6 10.2 15.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.729 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.07 min

Lab File: BF116492.D

Acq: 23 Aug 2019 22:06

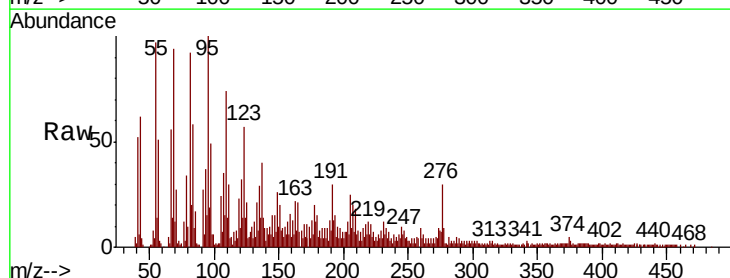
Tgt Ion:276 Resp: 37640

Ion Ratio Lower Upper

276 100

277 30.0 18.7 28.1#

138 47.7 20.8 31.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

