

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112130.D
 Acq On : 18 Jan 2019 17:54
 Operator : JU/SJ
 Sample : K1191-04 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-EAST

Quant Time: Jan 18 23:37:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	263275	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1061369	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	537159	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	976790	20.00	ng	0.00
76) Chrysene-d12	14.02	240	625294	20.00	ng	0.00
87) Perylene-d12	15.50	264	602522	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	247774	17.08	ng	0.00
7) Phenol-d6	6.50	99	911762	50.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	579349	37.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	8932	1.54	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1287948	35.15	ng	0.00
79) Terphenyl-d14	12.96	244	1162158	39.54	ng	0.00

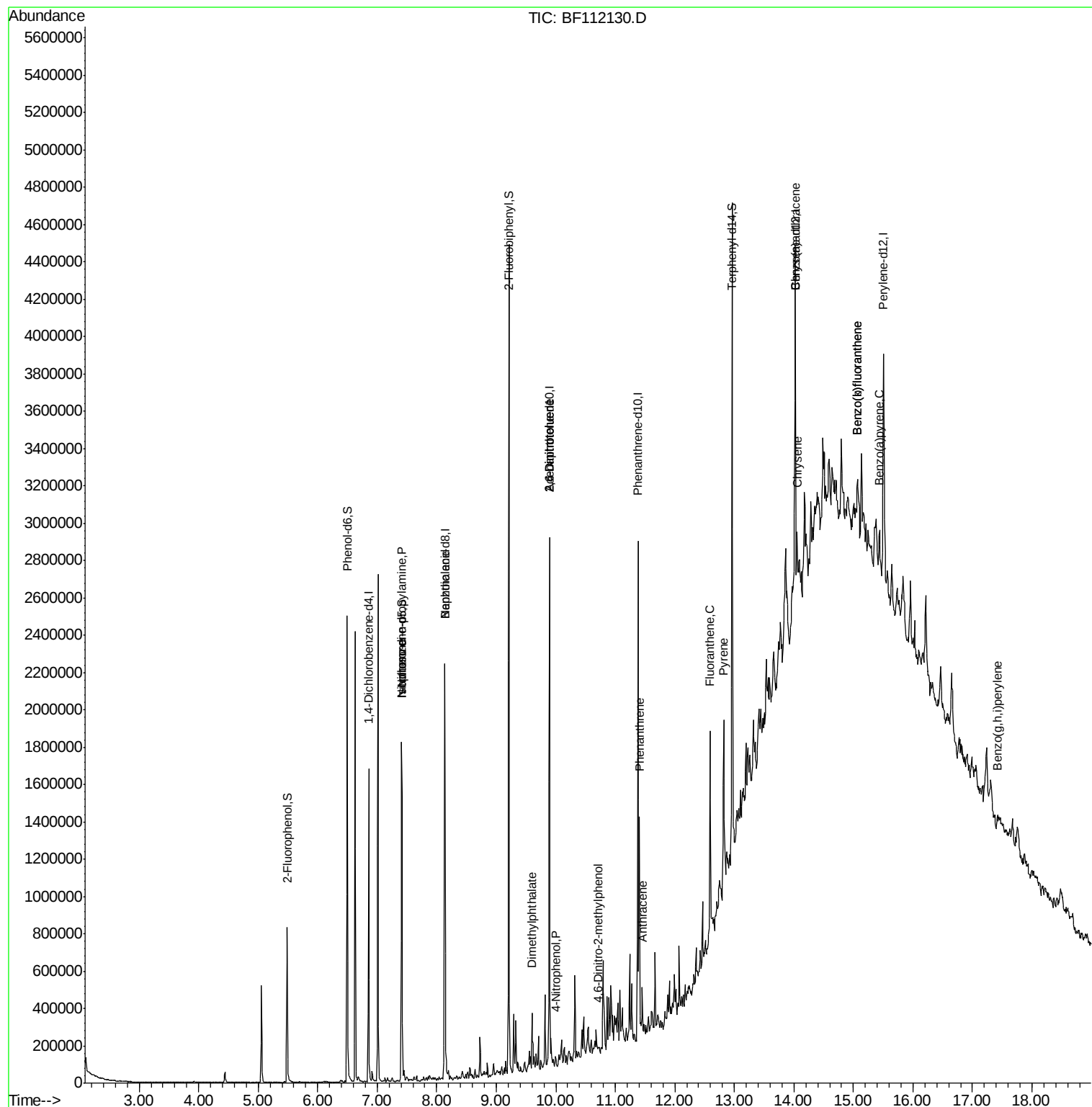
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	2436	Below Cal		92
19) n-Nitroso-di-n-propylamine	7.41	70	75727	6.849 ng	#	77
25) Isophorone	7.41	82	572269	19.286 ng	#	64
32) Benzoic acid	8.13	122	109	7.186 ng	#	1
50) Dimethylphthalate	9.60	163	101950	2.602 ng	#	98
51) 2,6-Dinitrotoluene	9.89	165	72135	9.221 ng	#	34
56) 4-Nitrophenol	10.00	139	1575	5.889 ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	72135	11.079 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.71	198	395	10.146 ng	#	1
71) Phenanthrene	11.40	178	422437	8.593 ng		97
72) Anthracene	11.45	178	102204	2.052 ng		97
75) Fluoranthene	12.59	202	440893	8.495 ng		99
78) Pyrene	12.82	202	371608	9.008 ng		98
81) Benzo(a)anthracene	14.02	228	149567	4.172 ng		99
83) Chrysene	14.04	228	136697	4.029 ng		96
88) Benzo(b)fluoranthene	15.07	252	200135	5.852 ng	#	62
89) Benzo(k)fluoranthene	15.07	252	200135	6.046 ng	#	62
90) Benzo(a)pyrene	15.44	252	108624	3.463 ng	#	55
92) Benzo(g,h,i)perylene	17.43	276	55807	2.033 ng	#	79

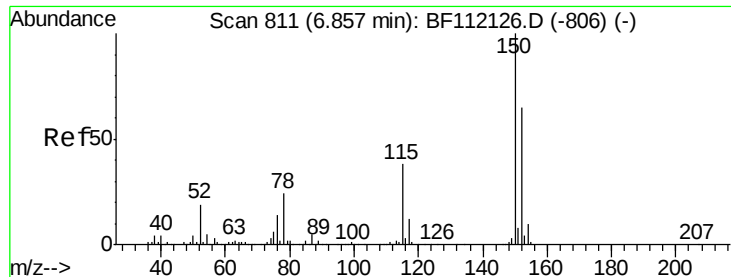
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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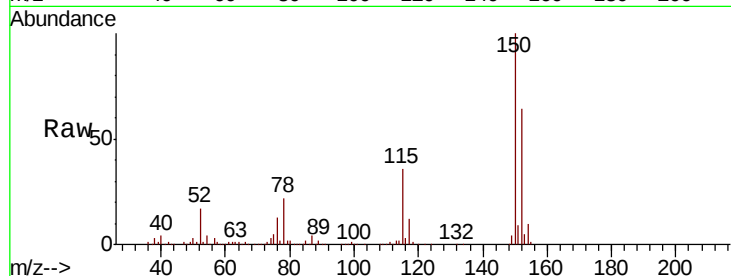


#1

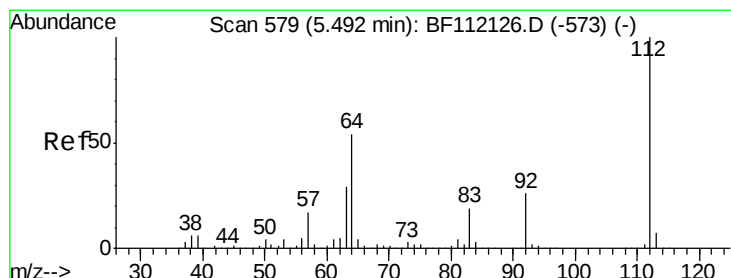
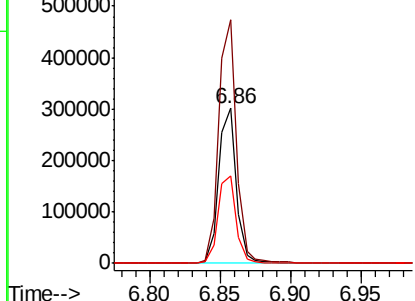
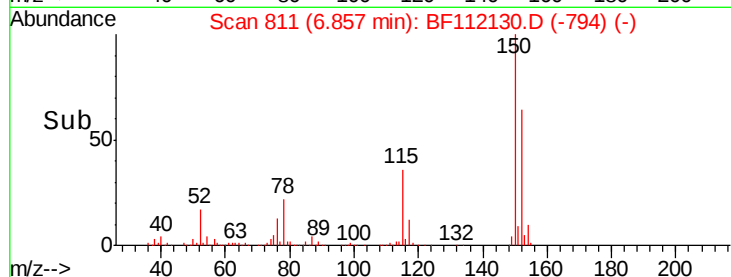
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SITE4-EAST

Tgt Ion:152 Resp: 263275
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 56.5 45.5 68.3



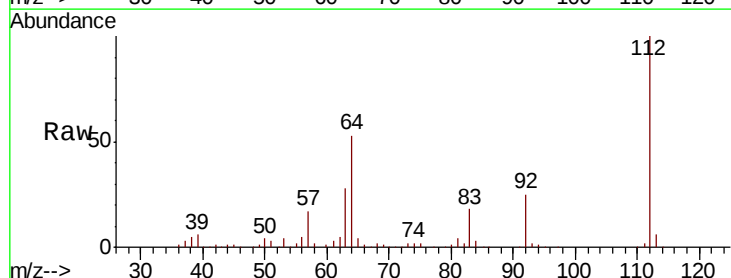
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



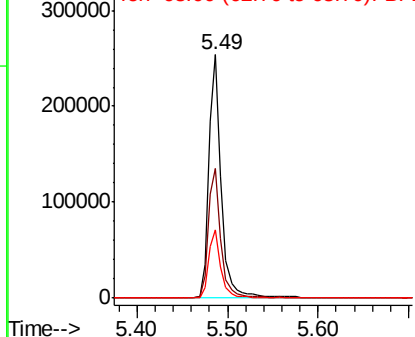
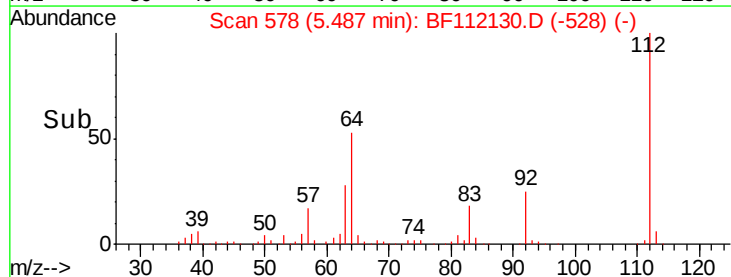
#5

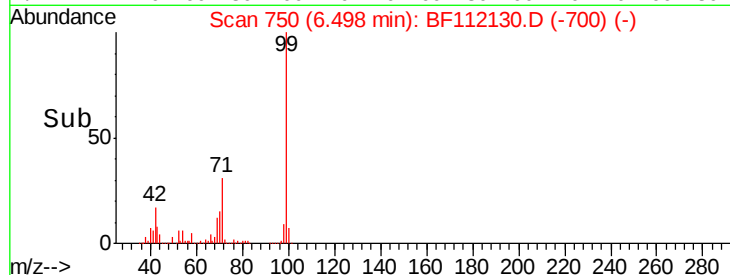
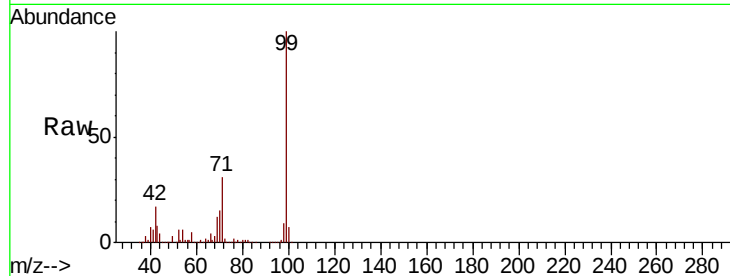
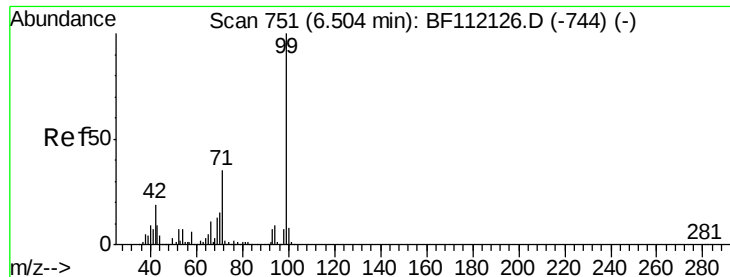
2-Fluorophenol
Concen: 17.082 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

Tgt Ion:112 Resp: 247774
Ion Ratio Lower Upper
112 100
64 53.4 45.7 68.5
63 28.1 23.6 35.4



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: 50.240 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

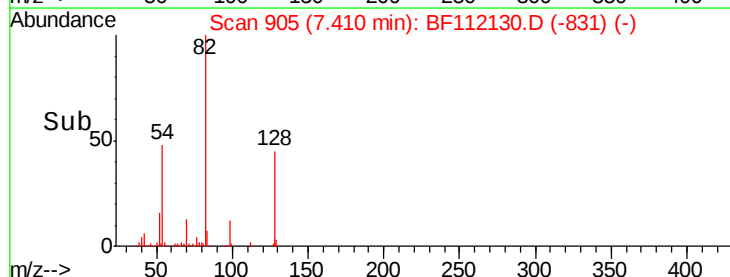
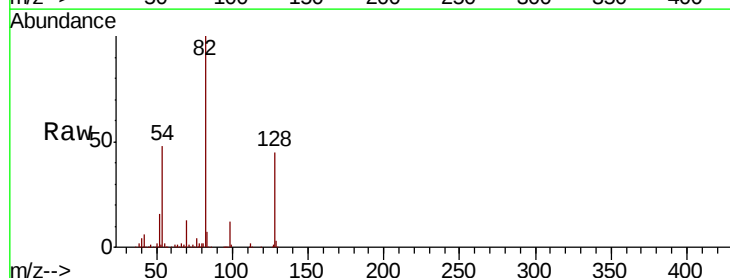
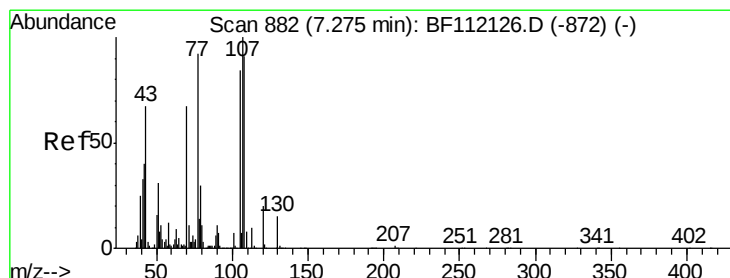
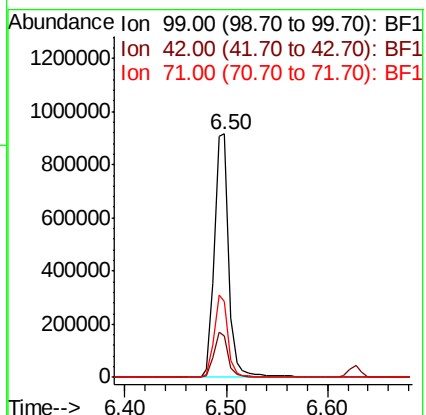
Tgt Ion: 99 Resp: 911762

Ion Ratio Lower Upper

99 100

42 17.0 15.1 22.7

71 31.4 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 6.849 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Tgt Ion: 70 Resp: 75727

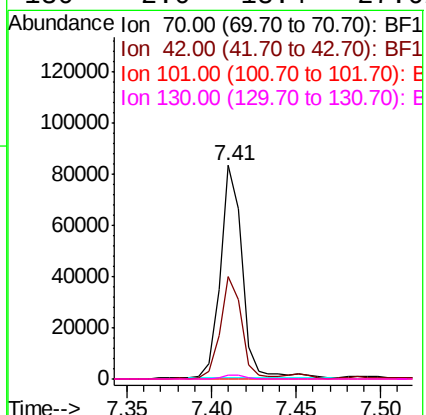
Ion Ratio Lower Upper

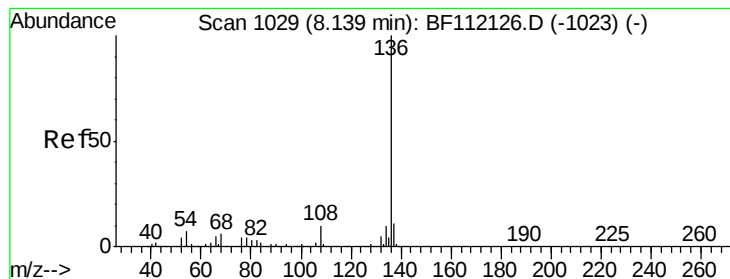
70 100

42 48.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.0 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

Tgt Ion:136 Resp: 1061369

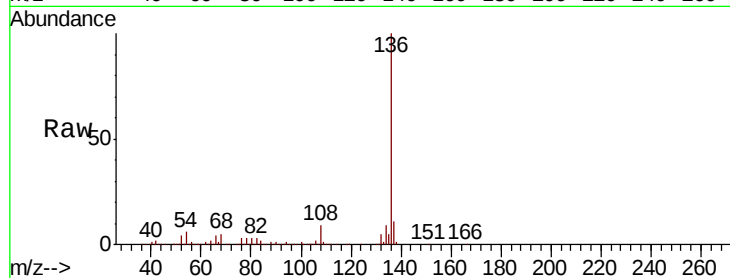
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.1 5.9 8.9

68 5.3 5.1 7.7

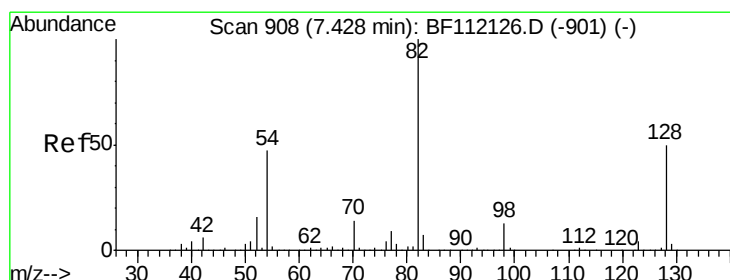
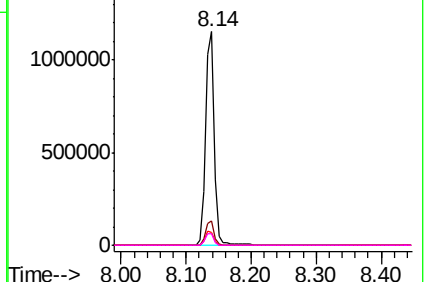
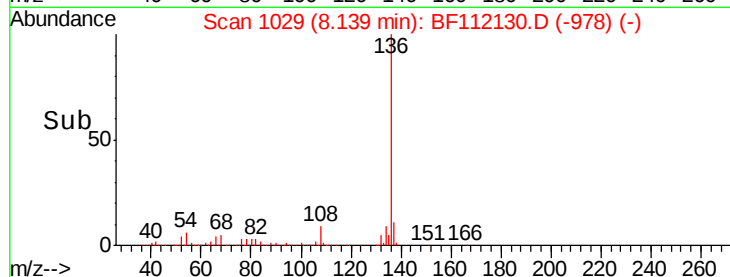


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.712 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

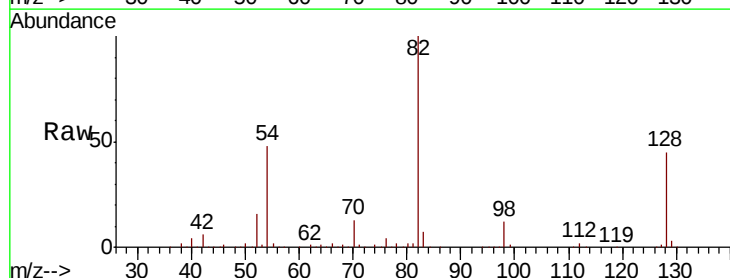
Tgt Ion: 82 Resp: 579349

Ion Ratio Lower Upper

82 100

128 44.8 37.8 56.8

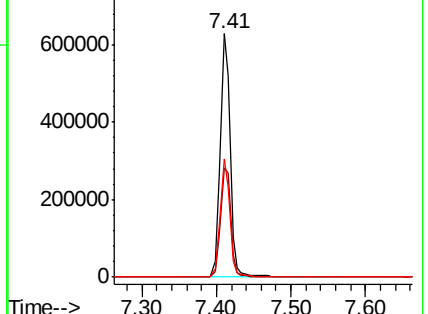
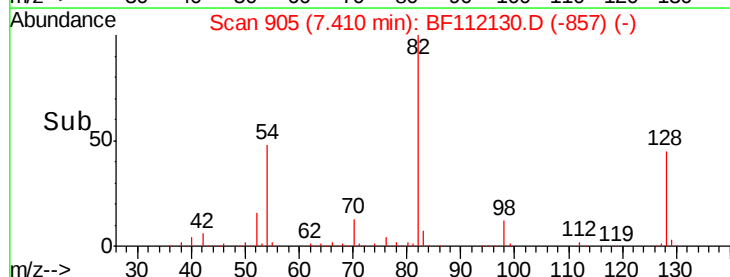
54 48.4 39.7 59.5

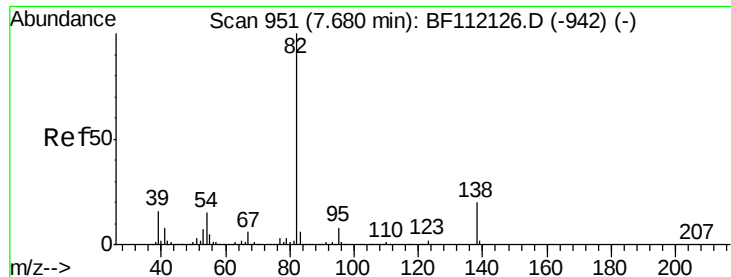


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.286 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

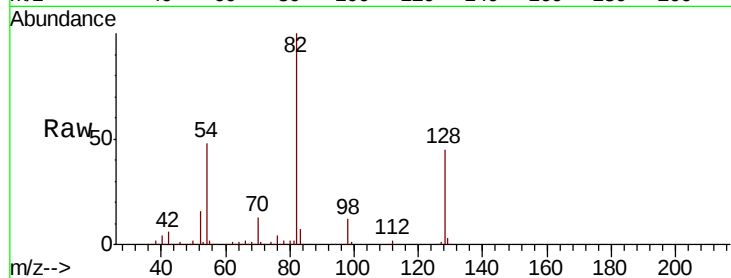
Tgt Ion: 82 Resp: 572269

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

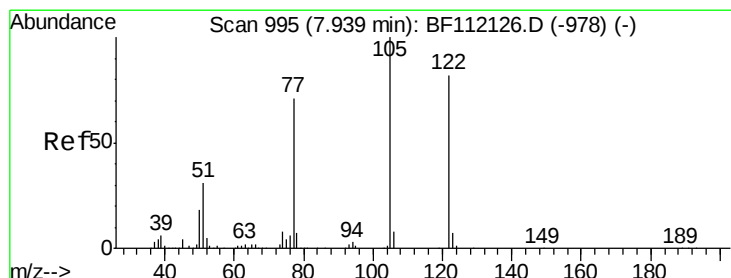
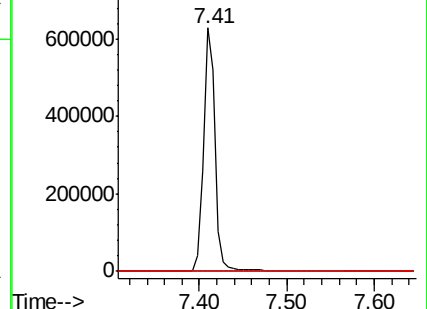
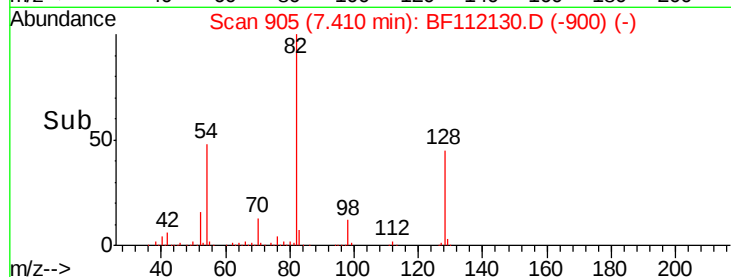
138 0.0 15.4 23.0#



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



#32

Benzoic acid

Concen: 7.186 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.19 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

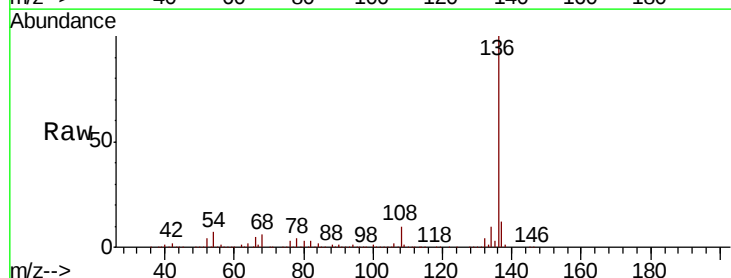
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 240.0 101.2 141.2#

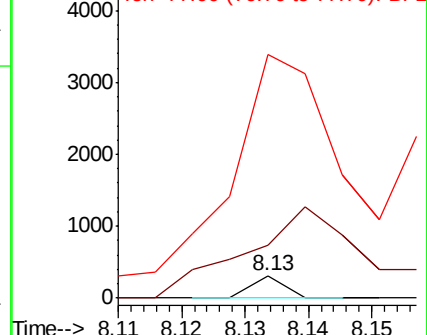
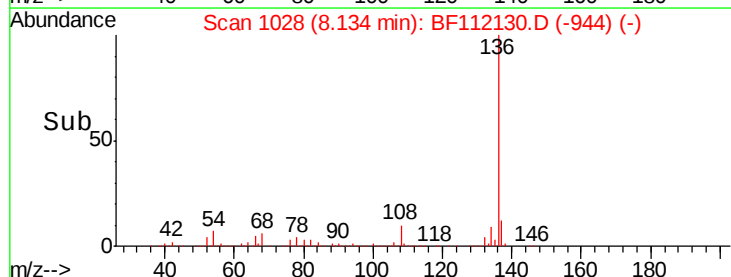
77 1092.9 70.4 110.4#

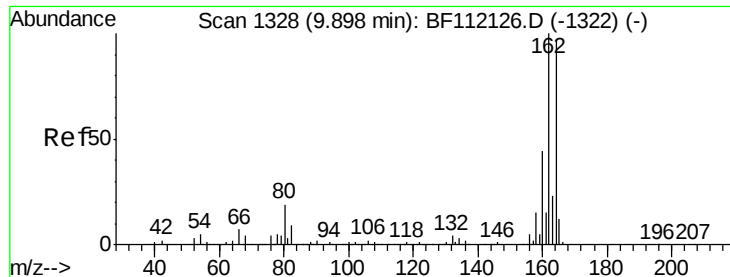


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

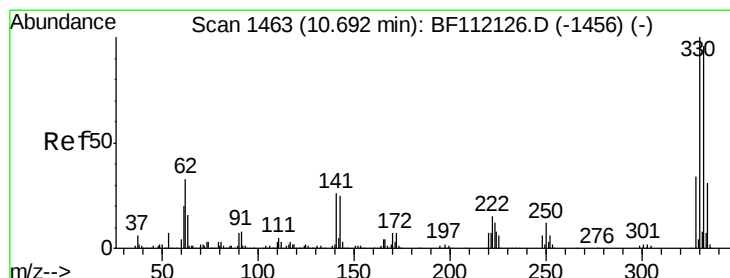
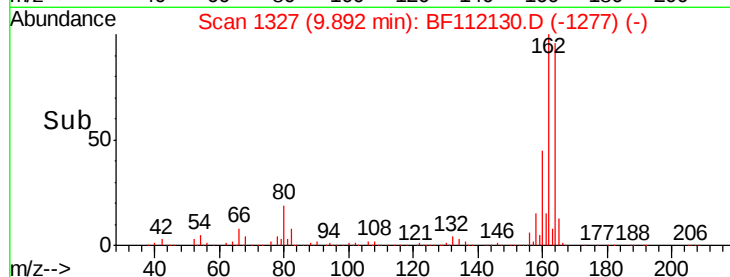
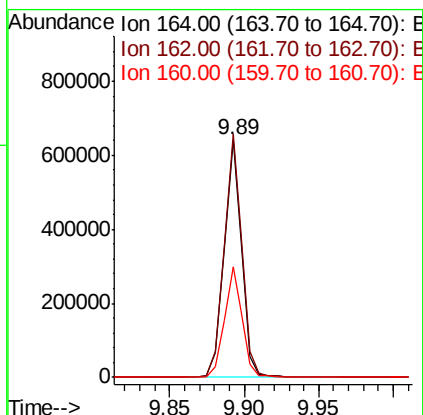
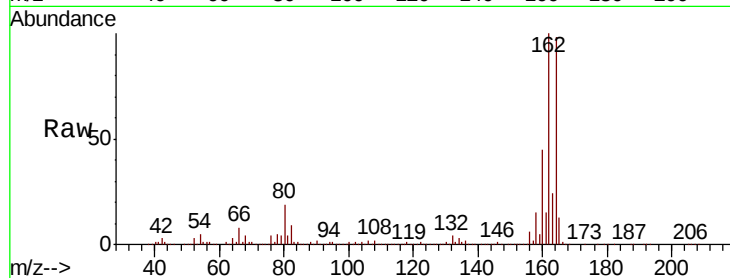




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

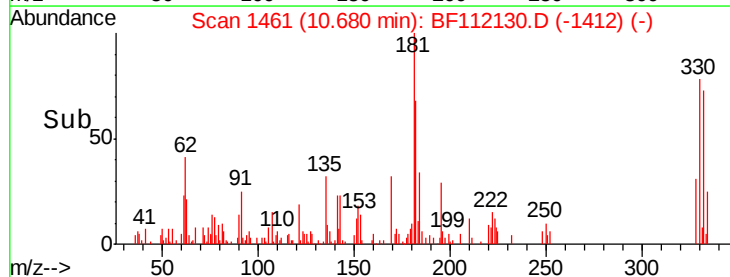
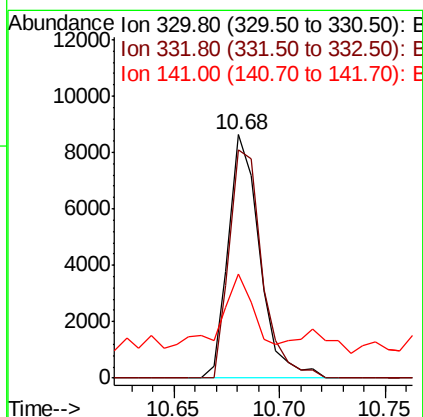
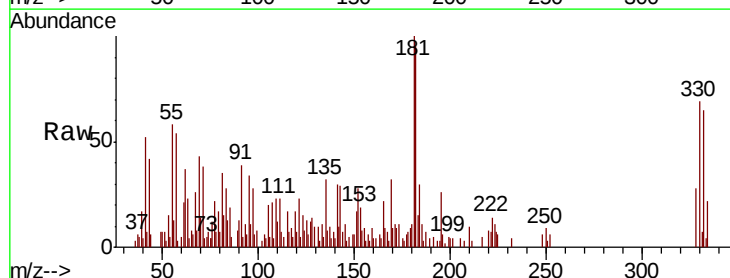
Instrument :
BNA_F
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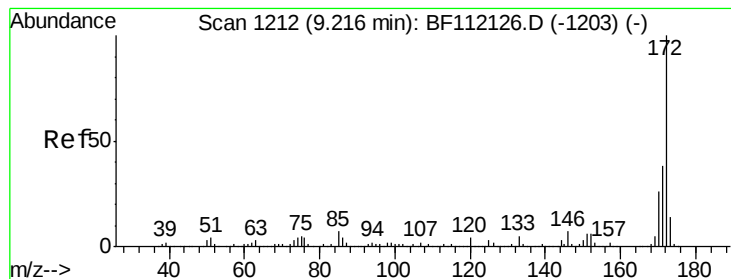
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.4
160	46.4	36.2	54.4



#42
2,4,6-Tribromophenol
Concen: 1.541 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	33.8	24.3	36.5





#45

2-Fluorobiphenyl

Concen: 35.153 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

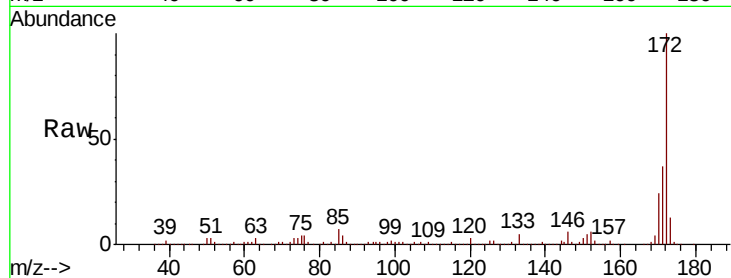
Tgt Ion:172 Resp: 1287948

Ion Ratio Lower Upper

172 100

171 36.6 30.5 45.7

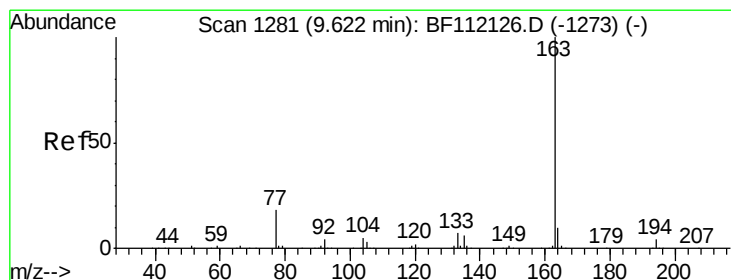
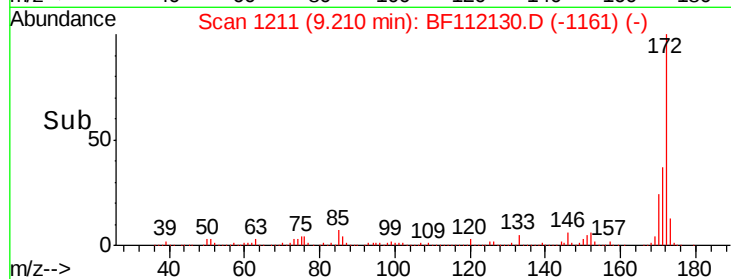
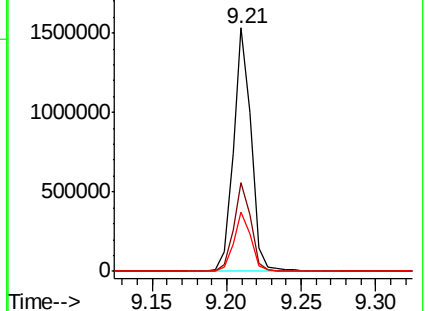
170 24.1 20.2 30.4



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: 2.602 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

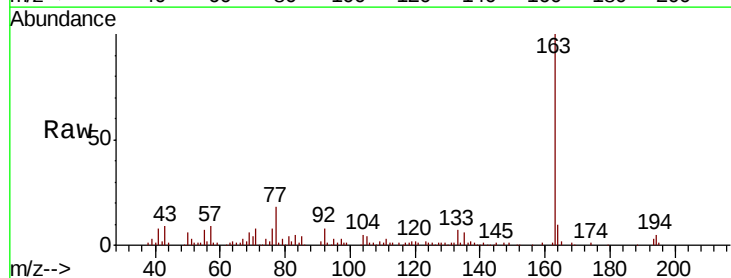
Tgt Ion:163 Resp: 101950

Ion Ratio Lower Upper

163 100

194 5.1 3.3 4.9#

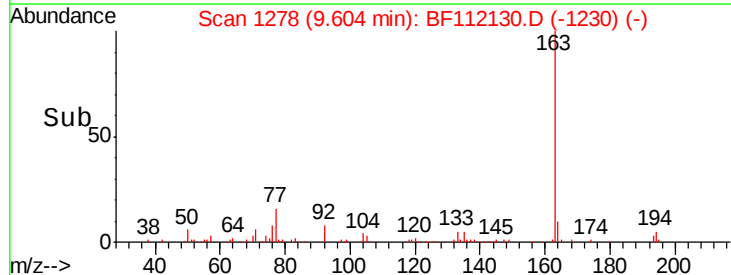
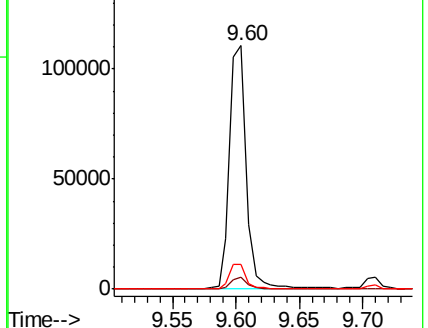
164 9.9 8.5 12.7

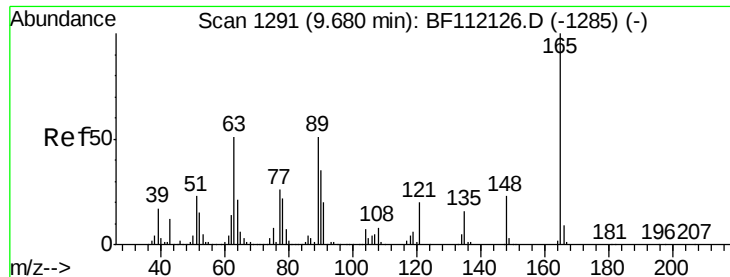


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

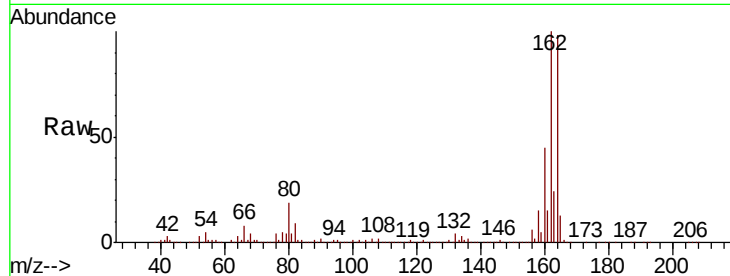




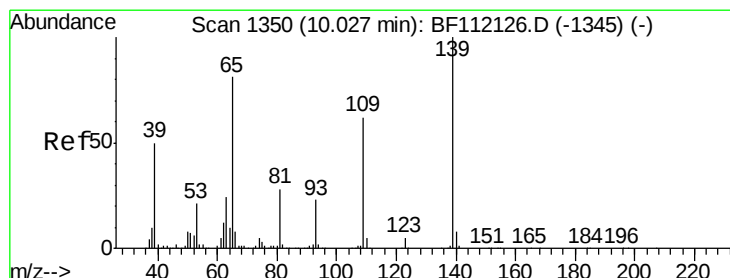
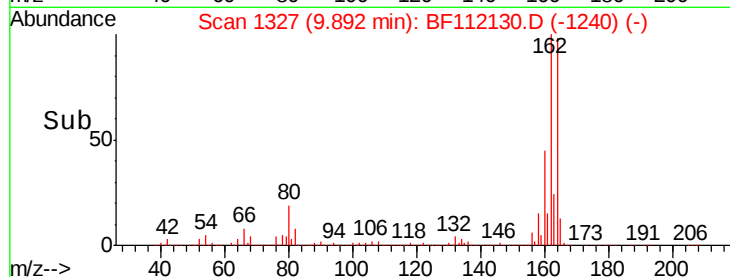
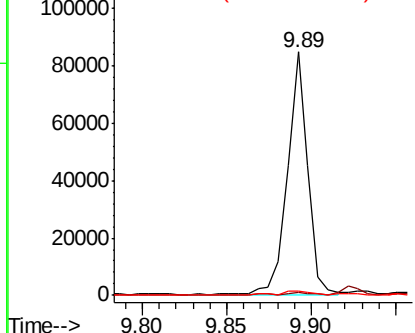
#51
 2,6-Dinitrotoluene
 Concen: 9.221 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112130.D
 Acq: 18 Jan 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-EAST

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.7	36.9	55.3#

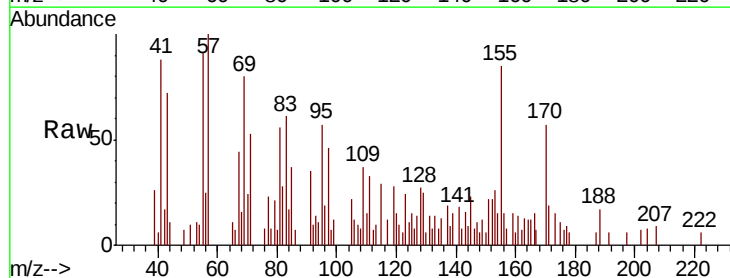


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

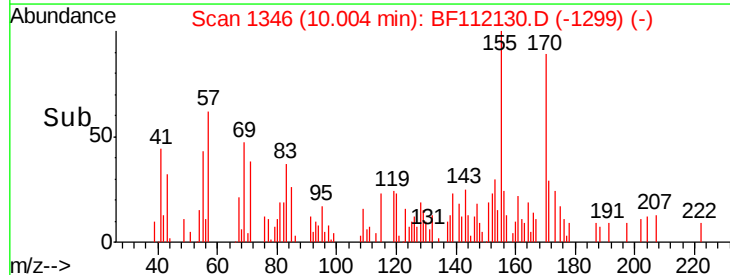
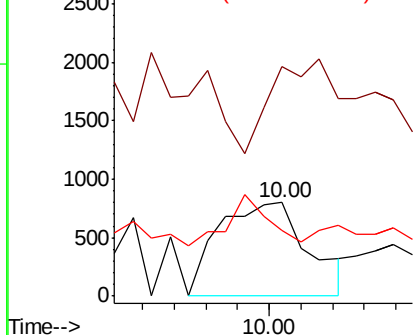


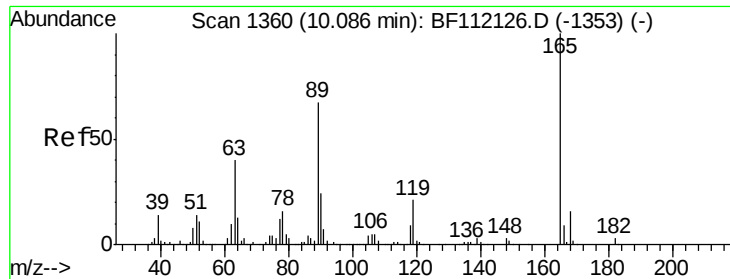
#56
 4-Nitrophenol
 Concen: 5.889 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: BF112130.D
 Acq: 18 Jan 2019 17:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	245.3	42.8	82.8#
65	70.4	66.1	106.1



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: 11.079 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

Tgt Ion:165 Resp: 72135

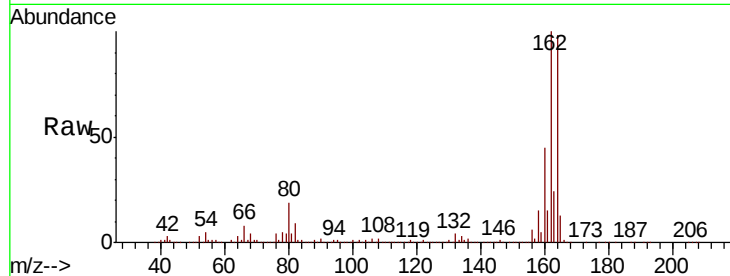
Ion Ratio Lower Upper

165 100

63 1.2 27.9 41.9#

89 1.7 47.9 71.9#

182 0.4 2.2 3.4#

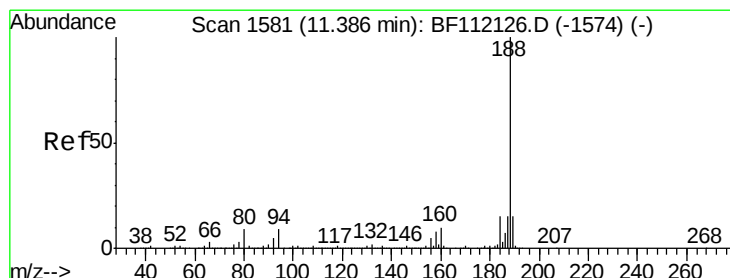
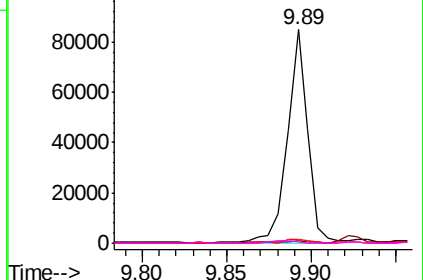
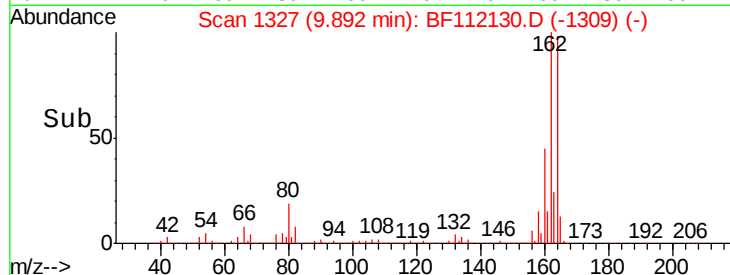


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

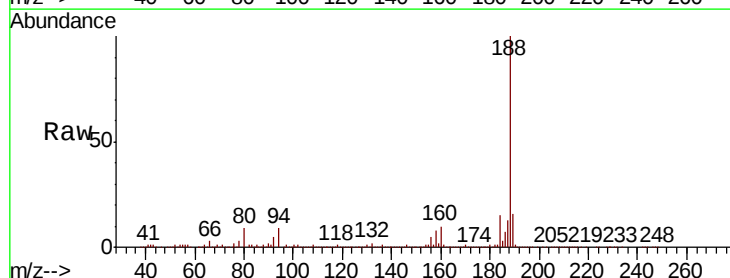
Tgt Ion:188 Resp: 976790

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

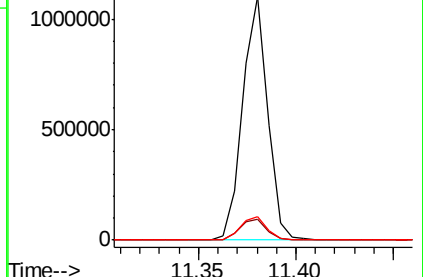
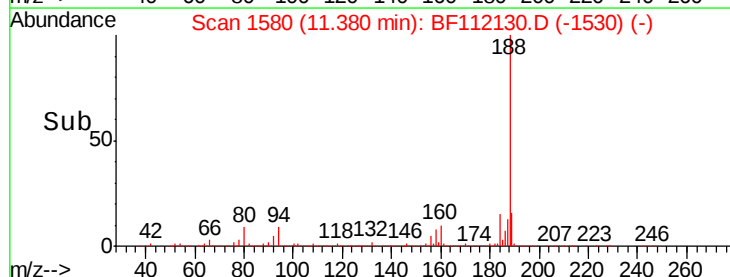
80 9.5 8.9 13.3

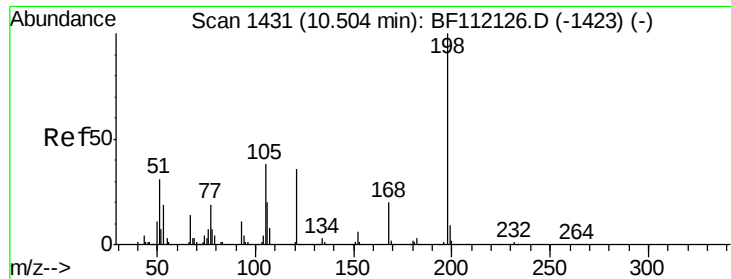


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

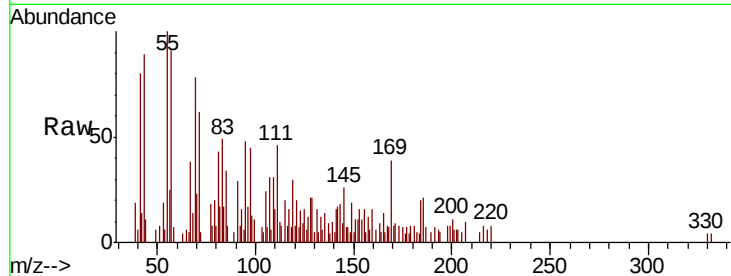




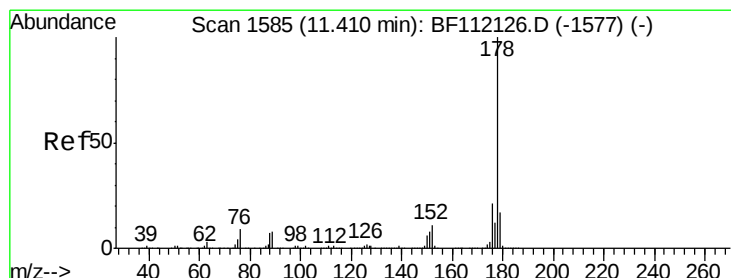
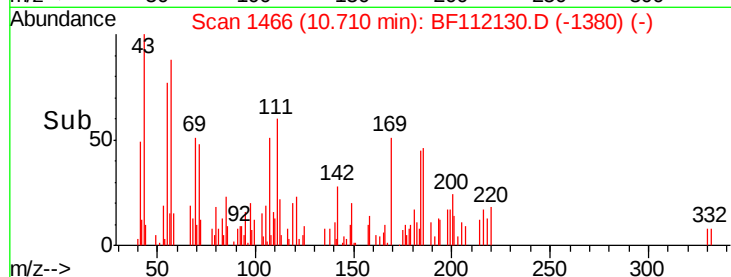
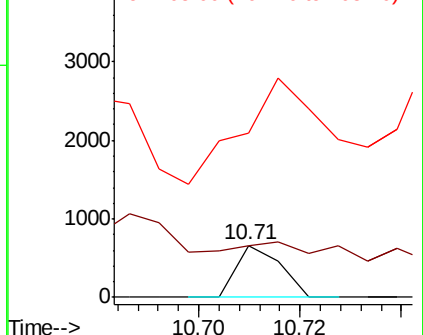
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.146 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.21 min
 Lab File: BF112130.D
 Acq: 18 Jan 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-EAST

Tgt Ion:198 Resp: 395
 Ion Ratio Lower Upper
 198 100
 51 99.4 17.2 57.2#
 105 316.8 21.9 61.9#

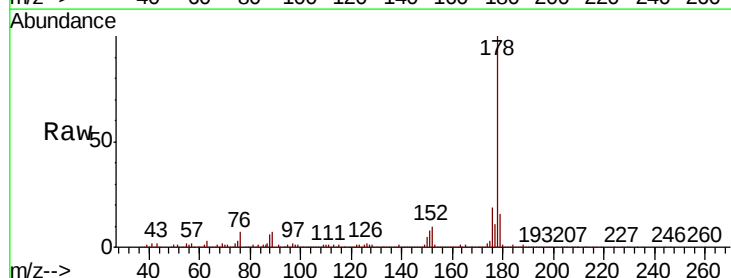


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

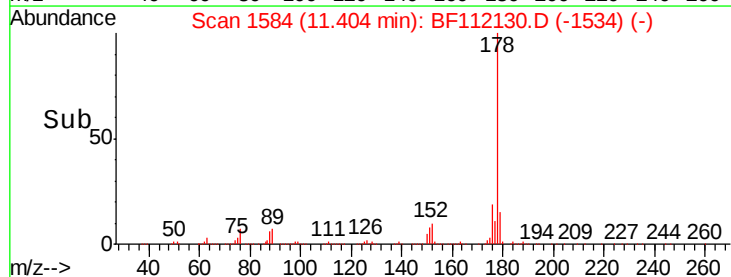
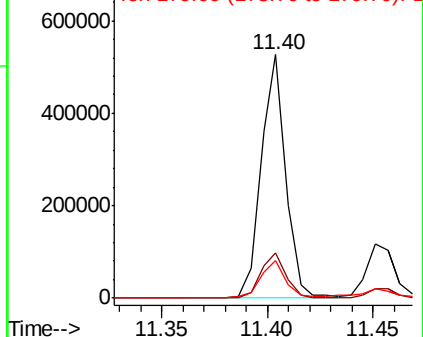


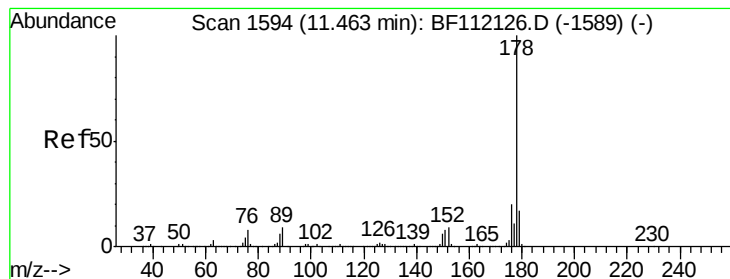
#71
 Phenanthrene
 Concen: 8.593 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF112130.D
 Acq: 18 Jan 2019 17:54

Tgt Ion:178 Resp: 422437
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.3 24.5
 179 15.6 13.0 19.4



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





#72

Anthracene

Concen: 2.052 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

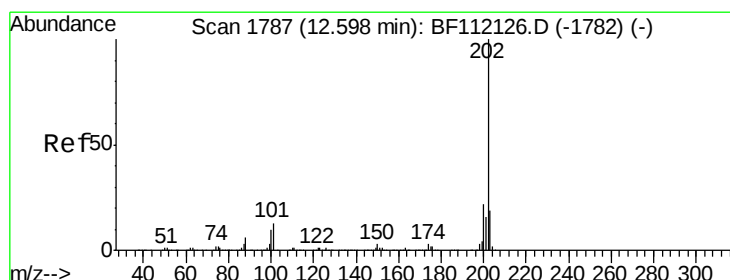
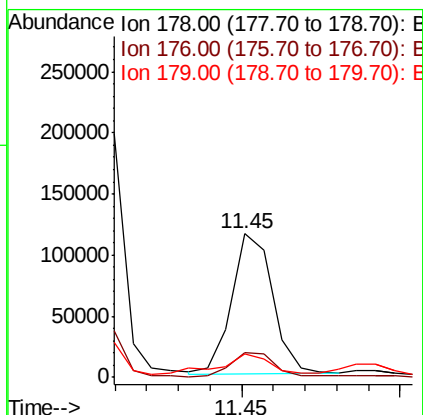
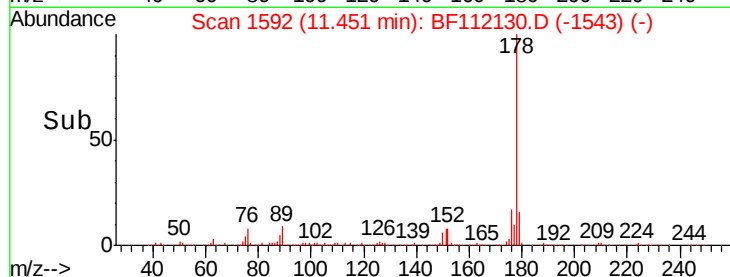
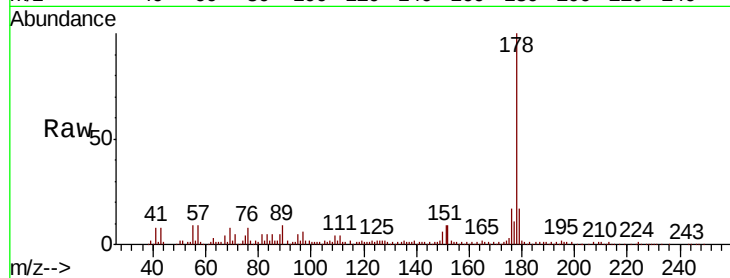
Tgt Ion:178 Resp: 102204

Ion Ratio Lower Upper

178 100

176 17.3 15.5 23.3

179 16.6 12.8 19.2



#75

Fluoranthene

Concen: 8.495 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

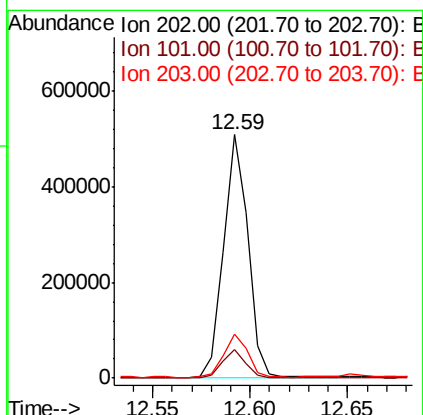
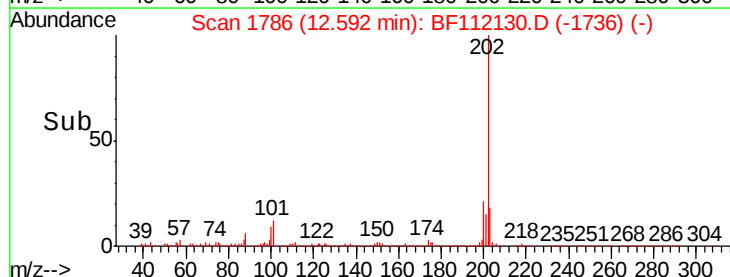
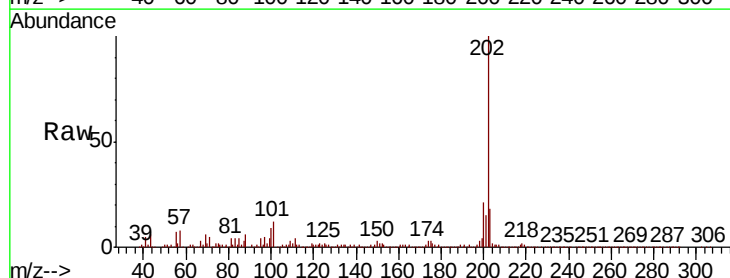
Tgt Ion:202 Resp: 440893

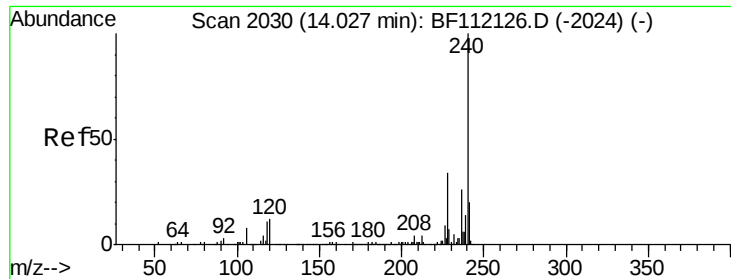
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.8

203 18.0 0.0 38.4

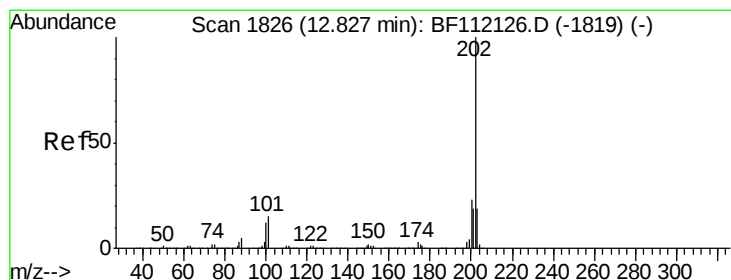
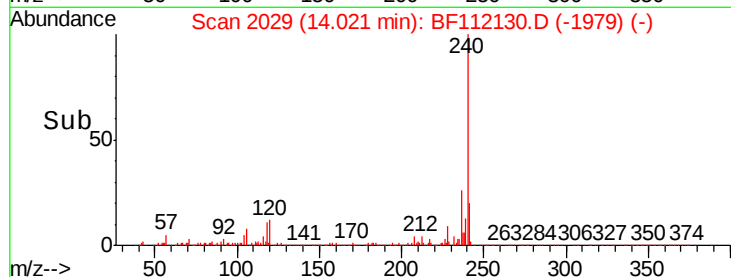
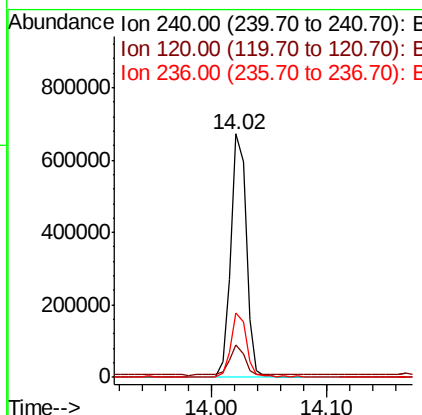
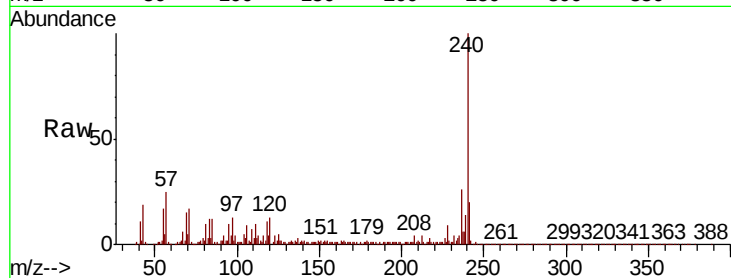




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

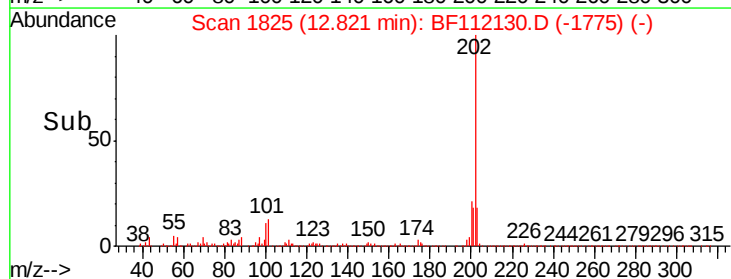
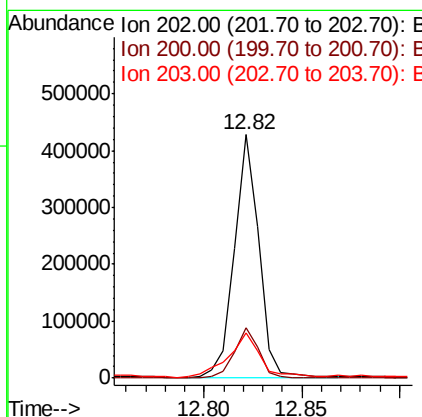
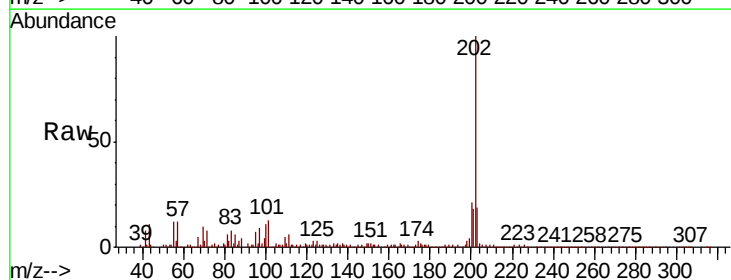
Instrument :
BNA_F
ClientSampleId :
SITE4-EAST

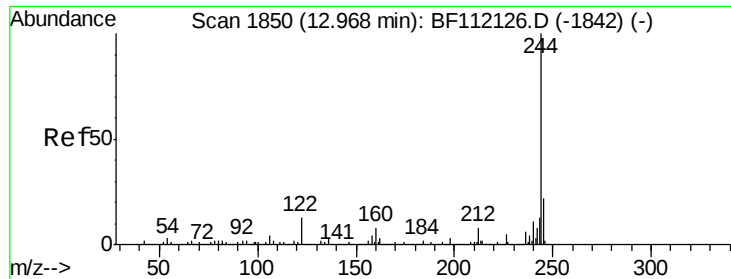
Tgt Ion:240 Resp: 625294
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.6
236 26.4 20.7 31.1



#78
Pyrene
Concen: 9.008 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112130.D
Acq: 18 Jan 2019 17:54

Tgt Ion:202 Resp: 371608
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 18.7 14.6 22.0





#79

Terphenyl-d14

Concen: 39.539 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

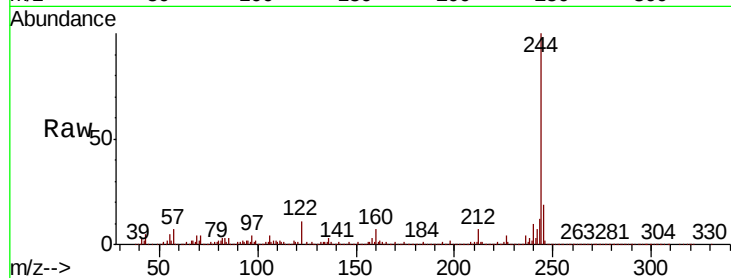
Tgt Ion:244 Resp: 1162158

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

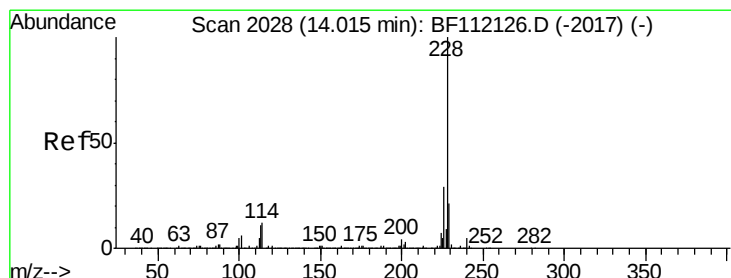
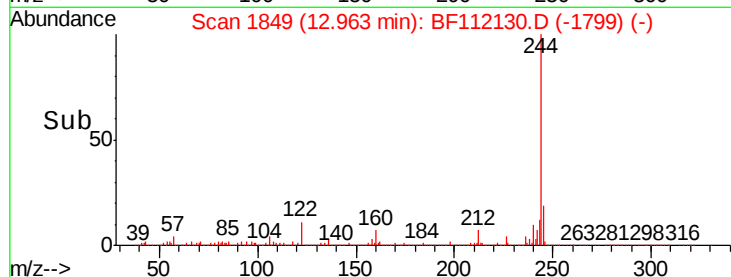
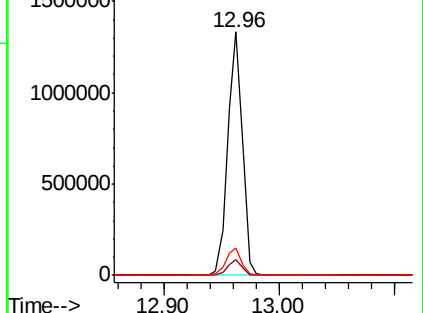
122 11.1 9.8 14.6



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: 4.172 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

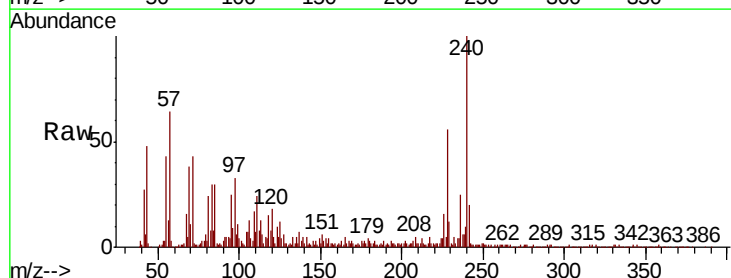
Tgt Ion:228 Resp: 149567

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

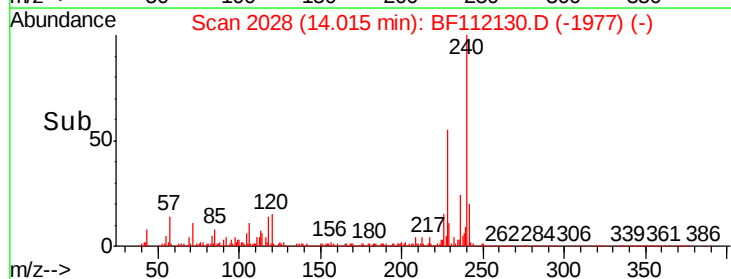
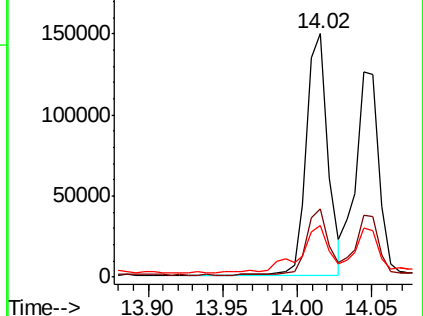
229 21.1 16.5 24.7

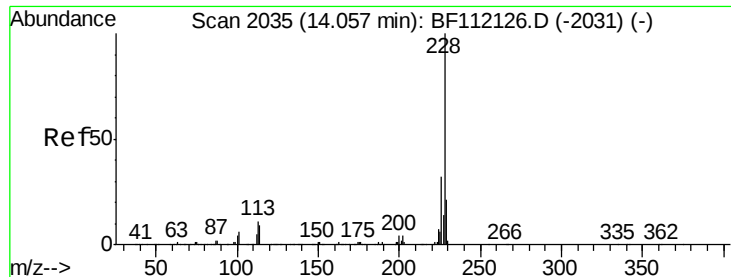


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.029 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

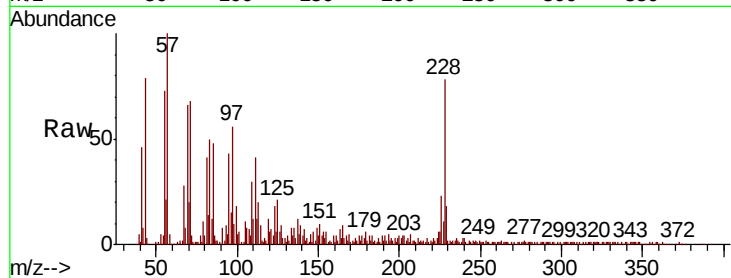
Tgt Ion:228 Resp: 136697

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

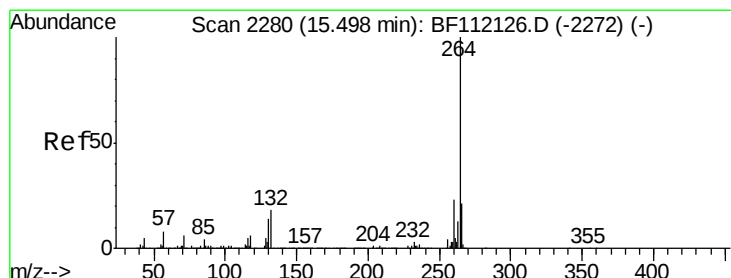
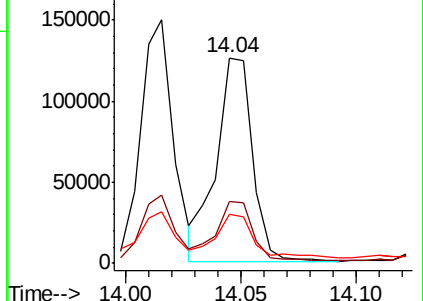
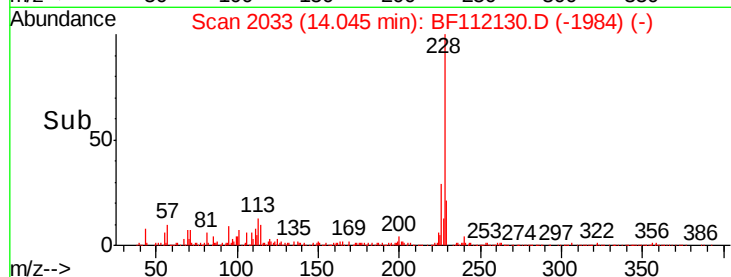
229 23.6 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

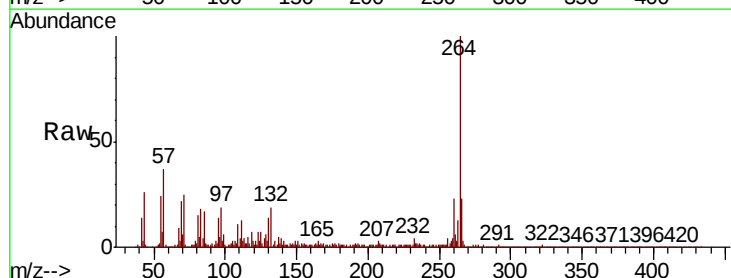
Tgt Ion:264 Resp: 602522

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

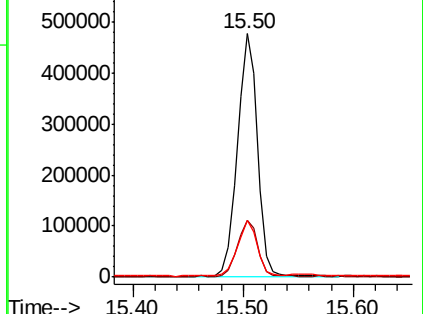
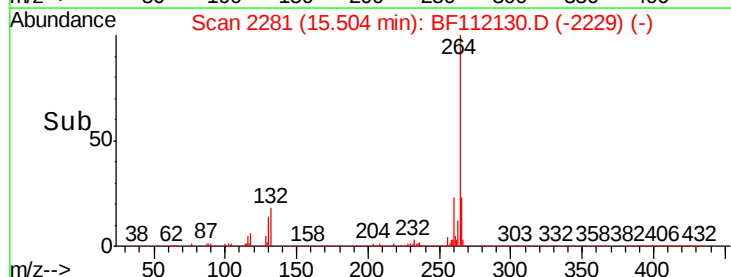
265 23.1 17.0 25.4

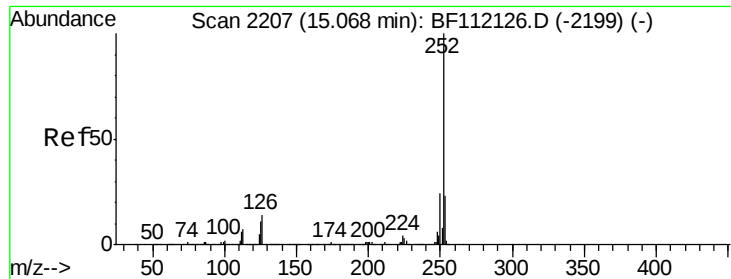


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.852 ng

RT: 15.07 min Scan# 2207

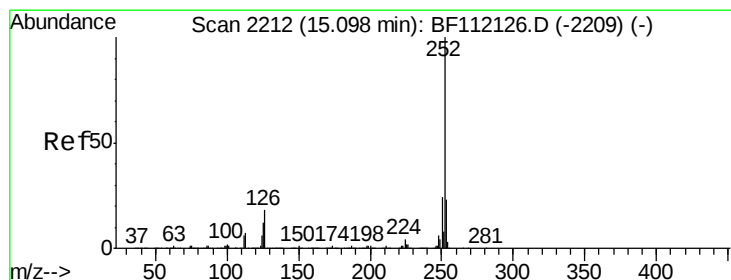
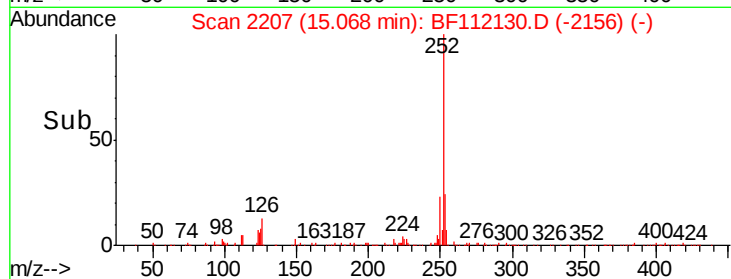
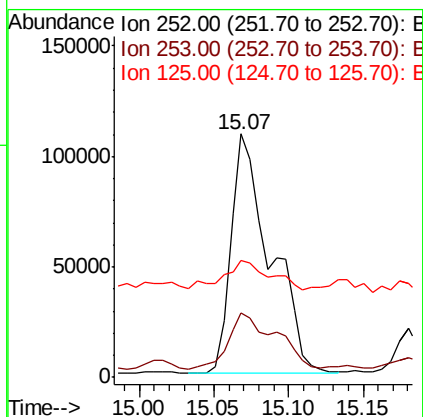
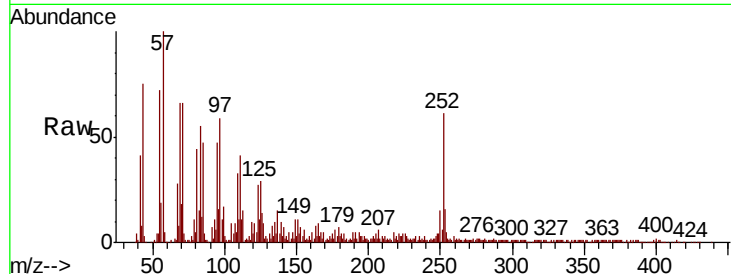
Delta R.T. 0.00 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SITE4-EAST

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	47.9	8.7	13.1#



#89

Benzo(k)fluoranthene

Concen: 6.046 ng

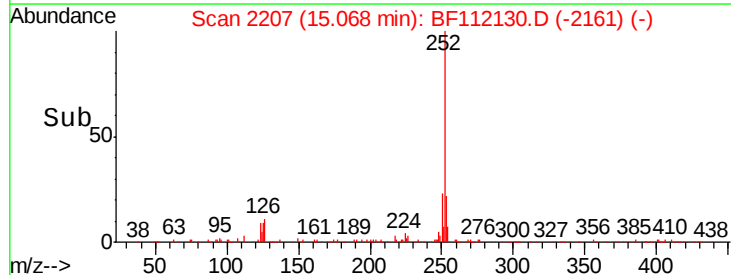
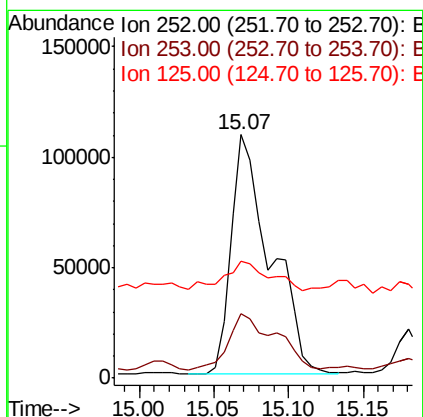
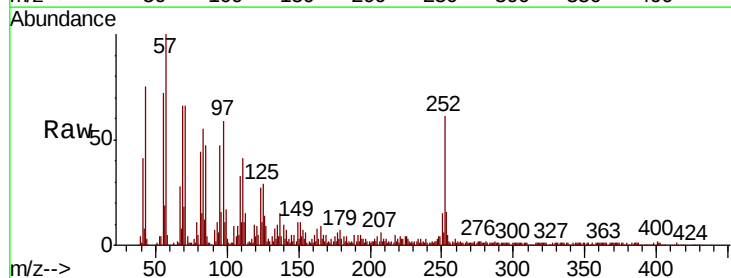
RT: 15.07 min Scan# 2207

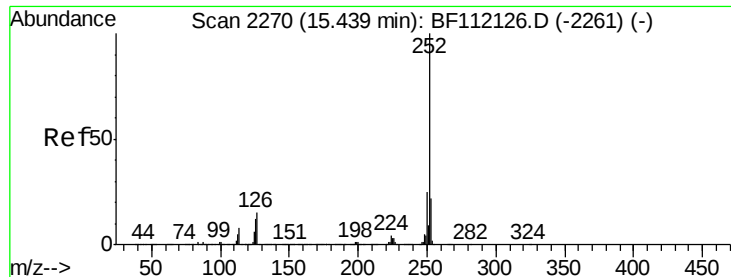
Delta R.T. -0.03 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	47.9	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 3.463 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

Instrument :

BNA_F

ClientSampleId :

SITE4-EAST

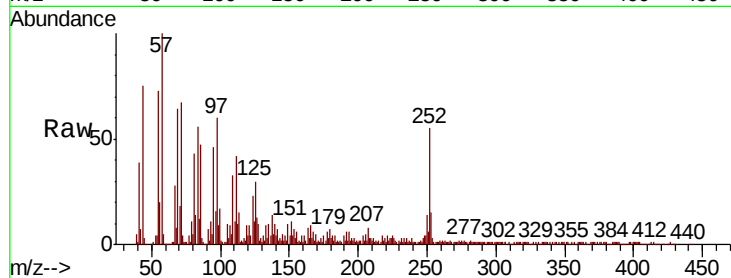
Tgt Ion:252 Resp: 108624

Ion Ratio Lower Upper

252 100

253 26.9 17.5 26.3#

125 54.3 9.0 13.4#

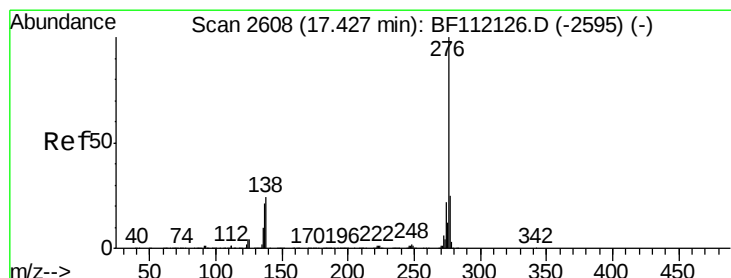
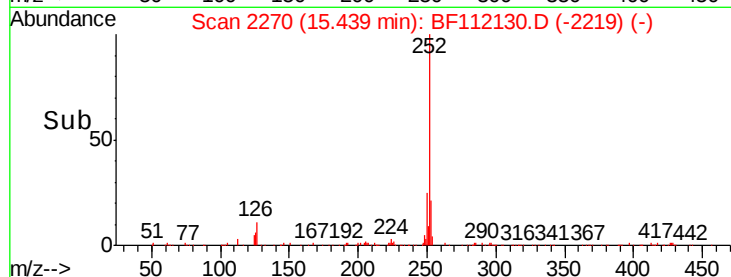
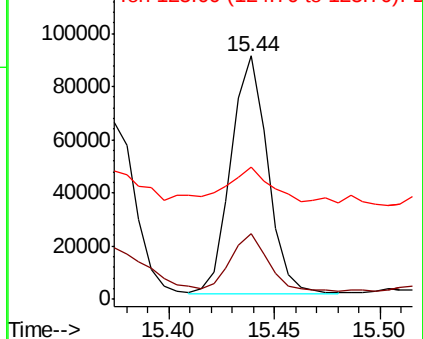


Abundance

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: 2.033 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF112130.D

Acq: 18 Jan 2019 17:54

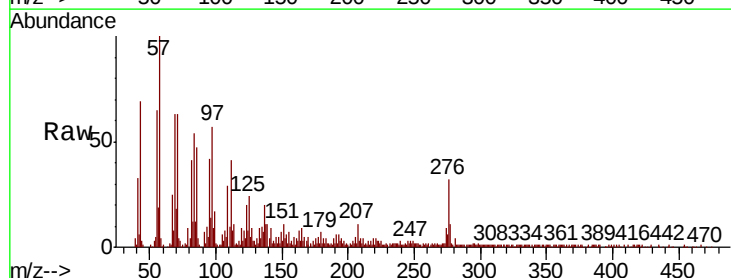
Tgt Ion:276 Resp: 55807

Ion Ratio Lower Upper

276 100

277 34.0 19.4 29.0#

138 35.2 19.1 28.7#



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

