

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112131.D
 Acq On : 18 Jan 2019 18:20
 Operator : JU/SJ
 Sample : K1191-08 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-WEST

Quant Time: Jan 18 23:37:21 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	278758	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1103396	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	562197	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1008409	20.00	ng	0.00
76) Chrysene-d12	14.02	240	673069	20.00	ng	0.00
87) Perylene-d12	15.50	264	629536	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	737763	48.04	ng	0.00
7) Phenol-d6	6.50	99	1042086	54.23	ng	0.00
23) Nitrobenzene-d5	7.41	82	646902	40.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	155196	25.59	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1430978	37.32	ng	0.00
79) Terphenyl-d14	12.96	244	1307702	41.33	ng	0.00

Target Compounds

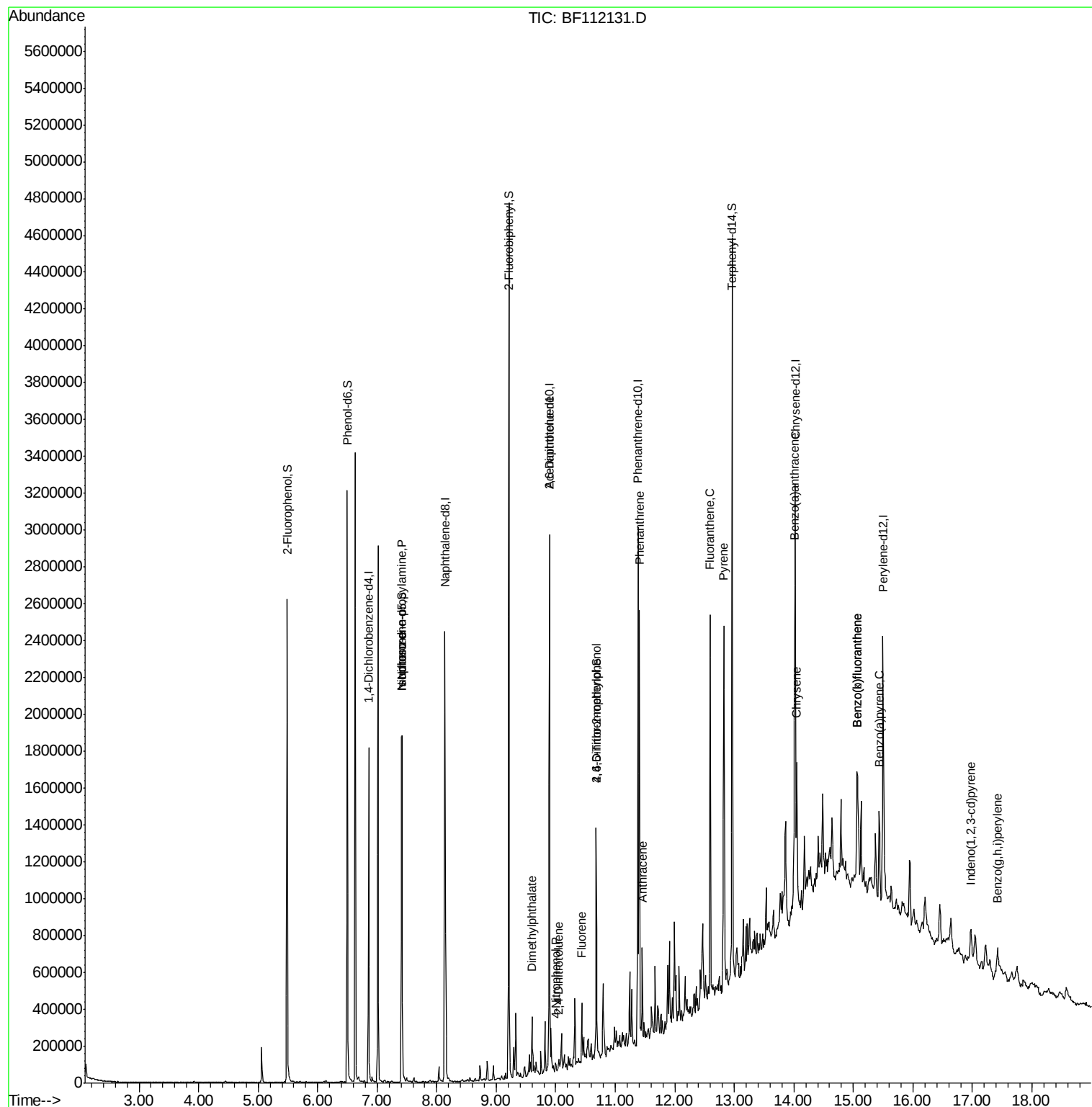
						Qvalue
9) Benzaldehyde	6.40	77	1233	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.41	70	84543	7.222 ng	#	78
25) Isophorone	7.41	82	638639	20.703 ng	#	63
50) Dimethylphthalate	9.60	163	122981	3.000 ng		97
51) 2,6-Dinitrotoluene	9.89	165	74723	9.126 ng	#	34
56) 4-Nitrophenol	10.00	139	1507	5.869 ng	#	45
57) 2,4-Dinitrotoluene	10.05	165	2569	4.803 ng	#	47
58) Fluorene	10.44	166	83726	2.255 ng		98
65) 4,6-Dinitro-2-methylphenol	10.68	198	247	10.116 ng	#	1
71) Phenanthrene	11.40	178	811934	15.999 ng		97
72) Anthracene	11.45	178	203771	3.964 ng		98
75) Fluoranthene	12.59	202	858733	16.026 ng		99
78) Pyrene	12.82	202	819107	18.446 ng		99
81) Benzo(a)anthracene	14.01	228	333931	8.653 ng		99
83) Chrysene	14.04	228	297534	8.148 ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	115972	3.442 ng	#	92
88) Benzo(b)fluoranthene	15.07	252	430480	12.046 ng	#	95
89) Benzo(k)fluoranthene	15.07	252	430480	12.446 ng	#	95
90) Benzo(a)pyrene	15.43	252	240720	7.345 ng	#	95
92) Benzo(g,h,i)perylene	17.42	276	105846	3.691 ng		96

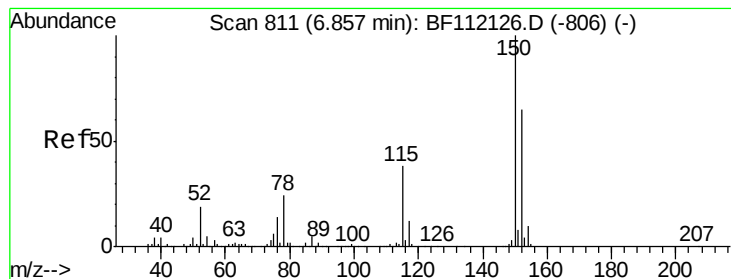
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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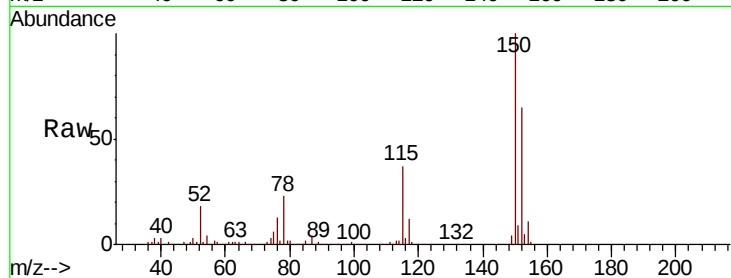


#1

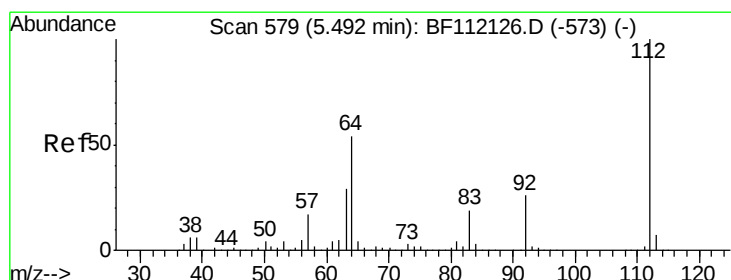
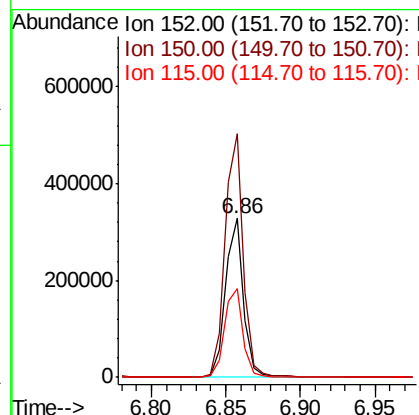
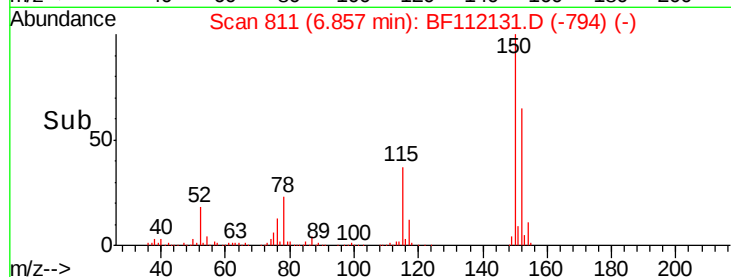
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

Tgt Ion:152 Resp: 278758
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 56.3 45.5 68.3



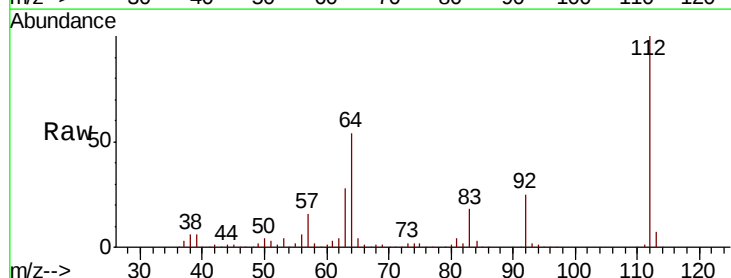
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



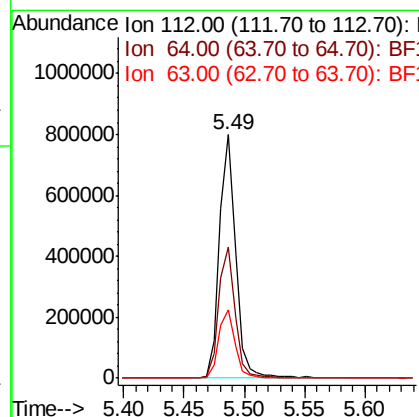
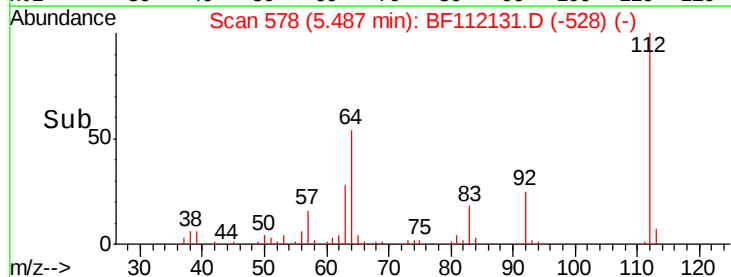
#5

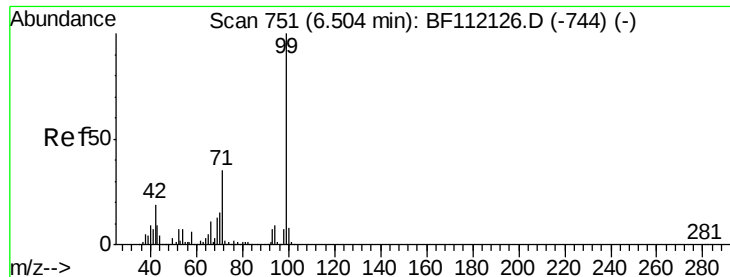
2-Fluorophenol
Concen: 48.037 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion:112 Resp: 737763
Ion Ratio Lower Upper
112 100
64 53.6 45.7 68.5
63 27.8 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: 54.231 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

SITE4-WEST

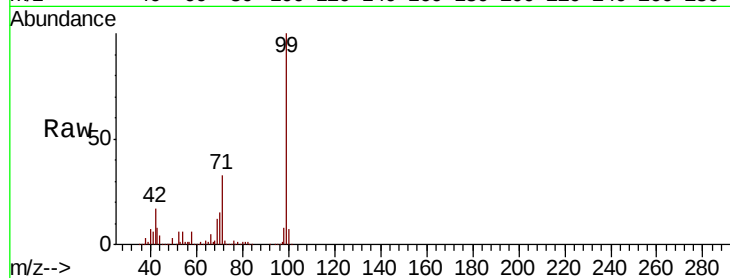
Tgt Ion: 99 Resp: 1042086

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

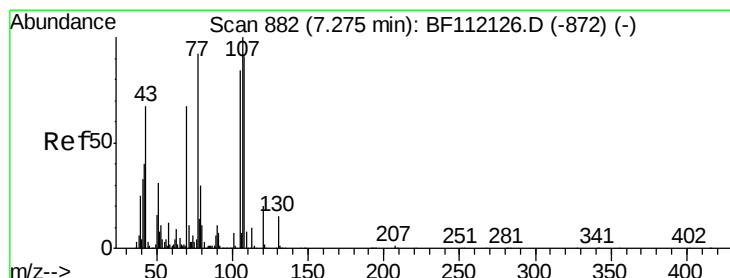
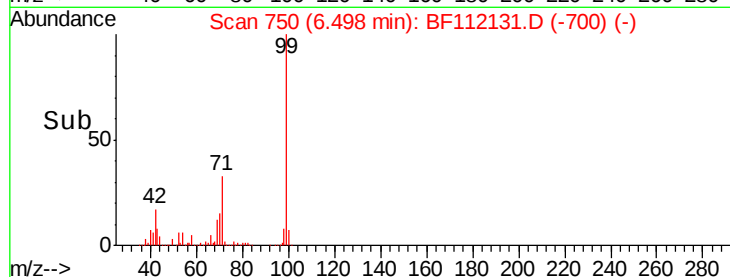
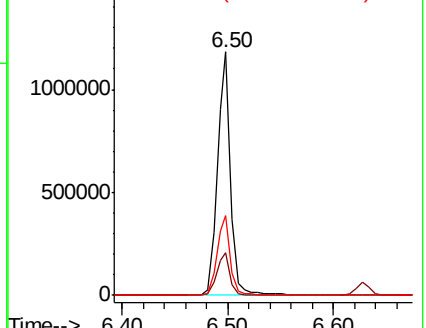
71 33.0 26.9 40.3



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: 7.222 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Tgt Ion: 70 Resp: 84543

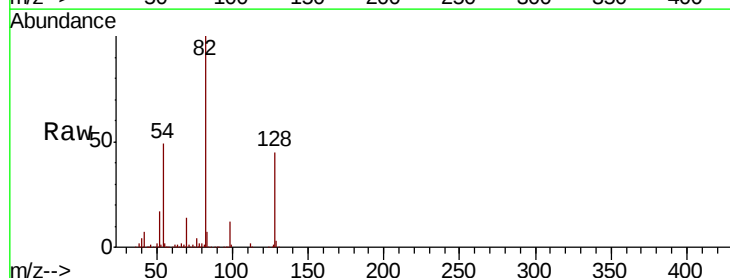
Ion Ratio Lower Upper

70 100

42 50.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

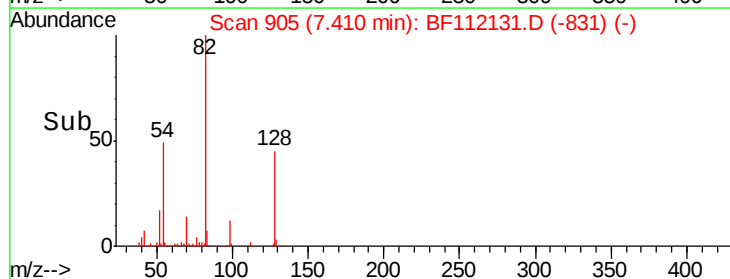
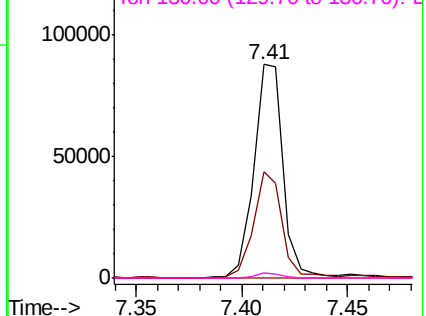


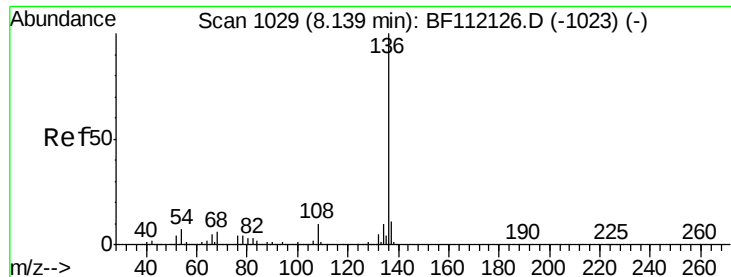
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

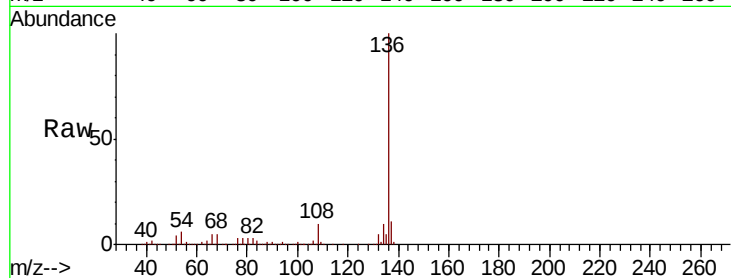




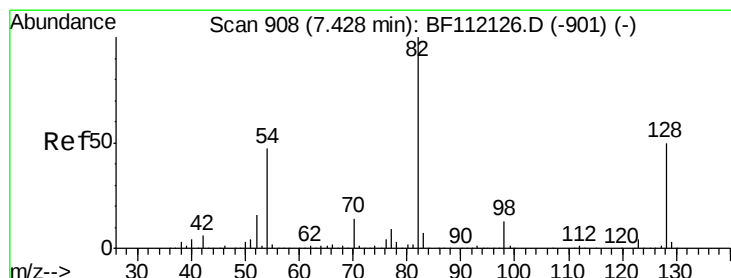
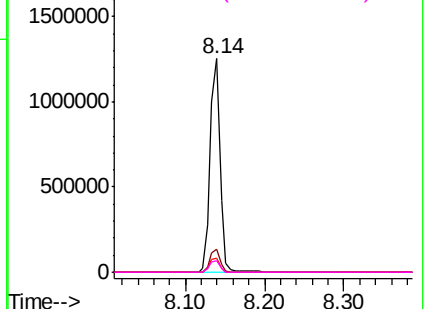
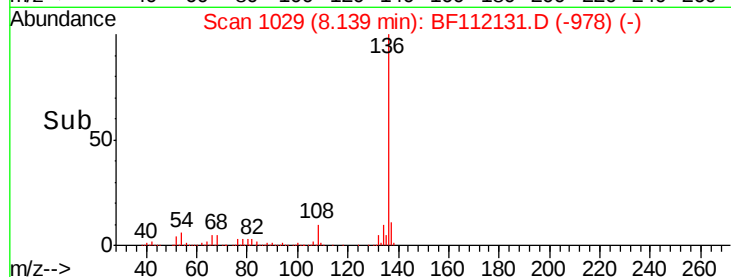
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

Tgt Ion:	136	Resp:	1103396
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.5	5.9	8.9
68	5.3	5.1	7.7

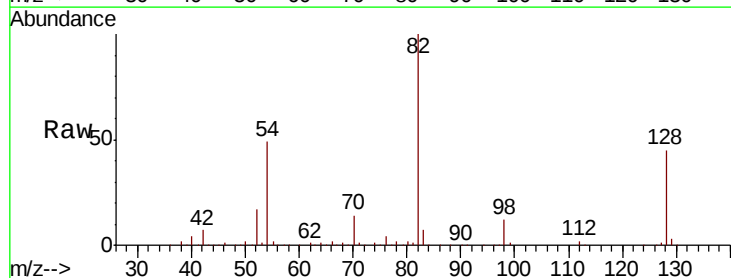


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

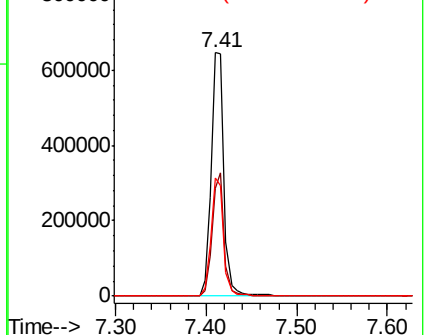
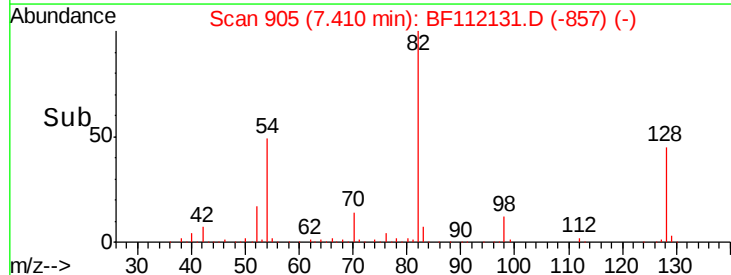


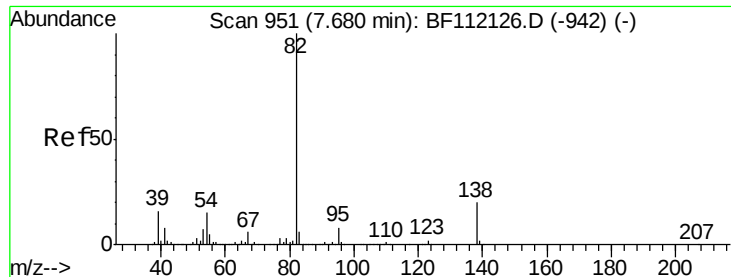
#23
Nitrobenzene-d5
Concen: 40.506 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion:	82	Resp:	646902
Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.8	56.8
54	48.6	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: 20.703 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

SITE4-WEST

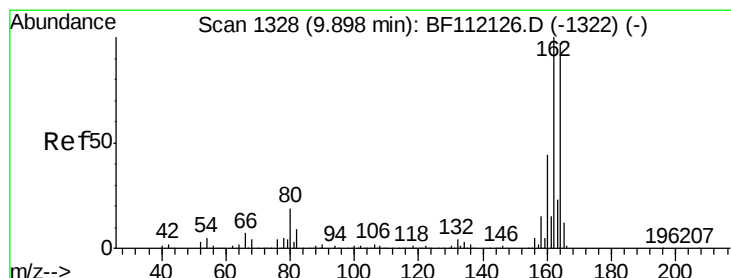
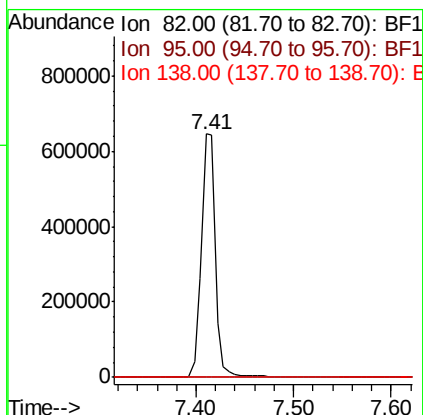
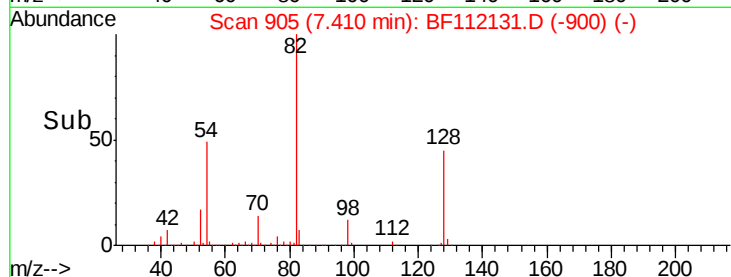
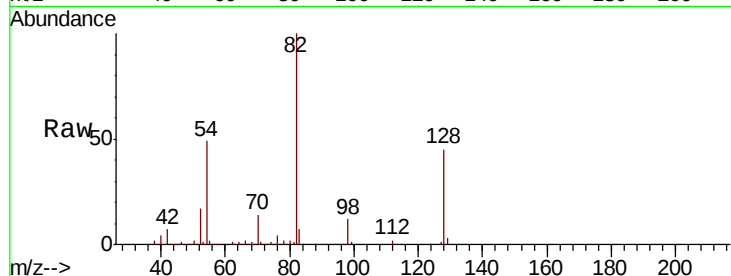
Tgt Ion: 82 Resp: 638639

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

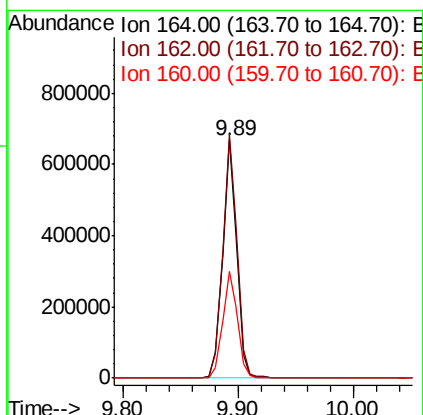
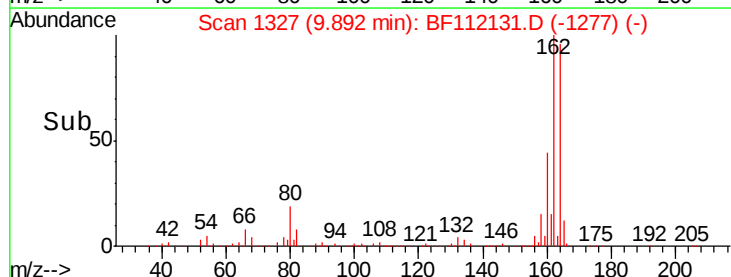
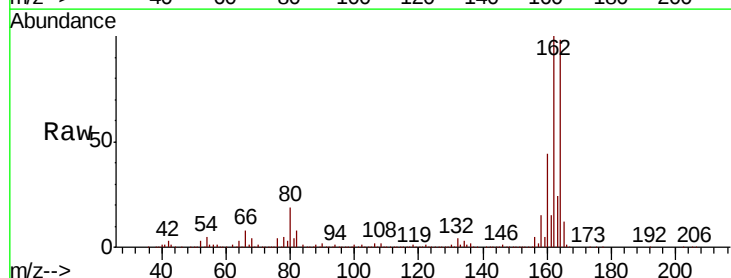
Tgt Ion: 164 Resp: 562197

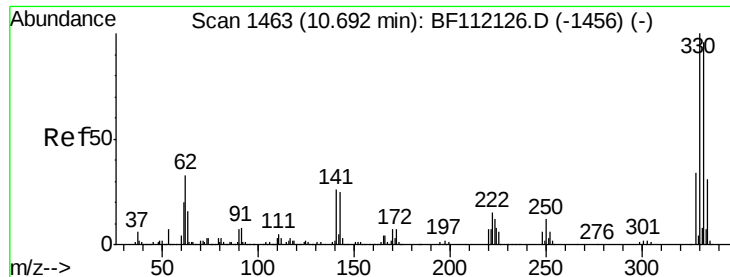
Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.4

160 44.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 25.589 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

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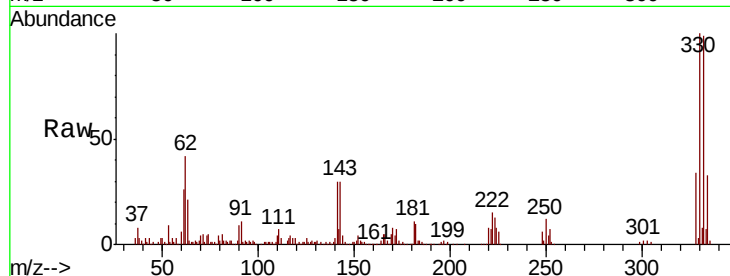
Tgt Ion:330 Resp: 155196

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

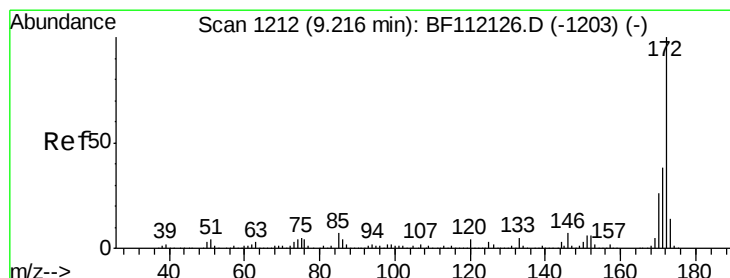
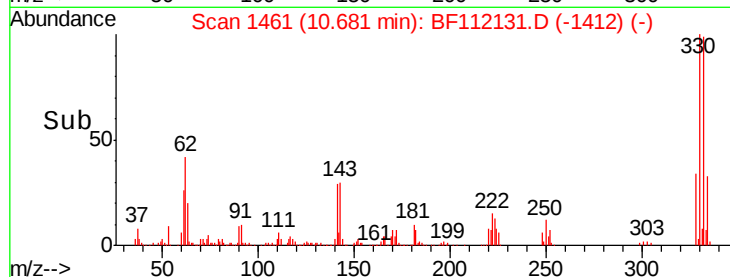
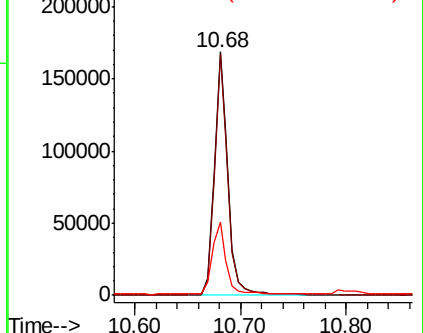
141 29.7 24.3 36.5



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: 37.317 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

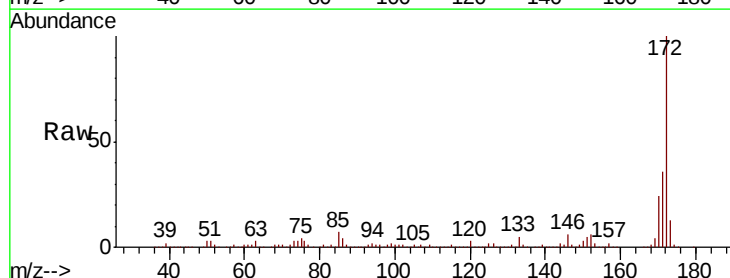
Tgt Ion:172 Resp: 1430978

Ion Ratio Lower Upper

172 100

171 36.0 30.5 45.7

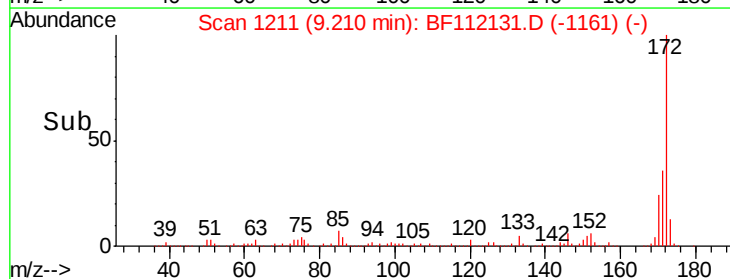
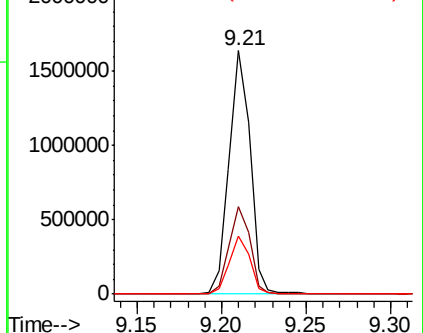
170 23.7 20.2 30.4

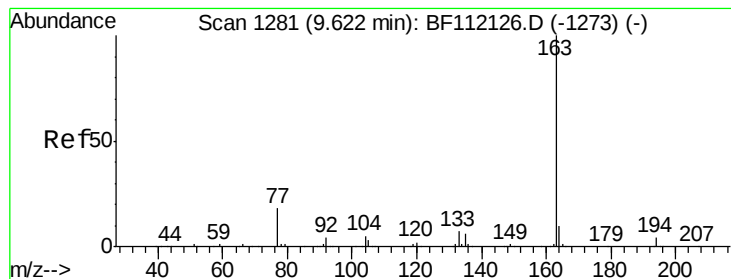


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.000 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

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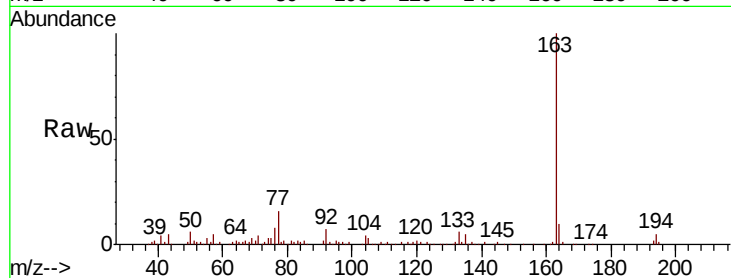
Tgt Ion:163 Resp: 122981

Ion Ratio Lower Upper

163 100

194 4.8 3.3 4.9

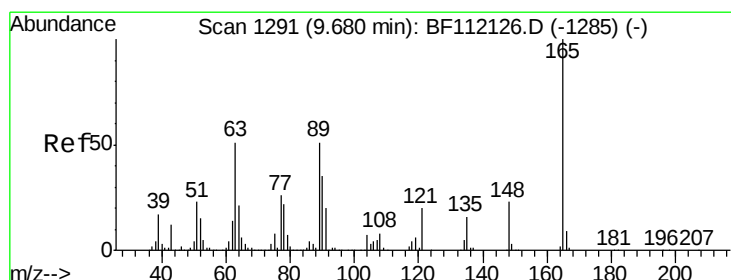
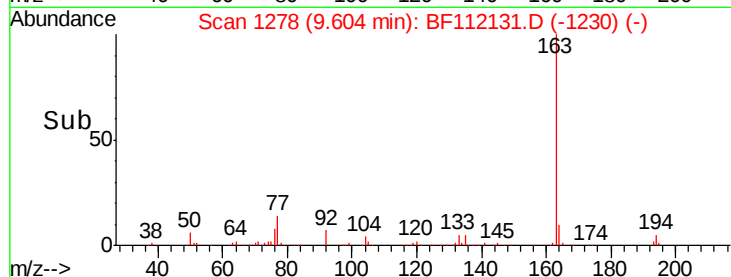
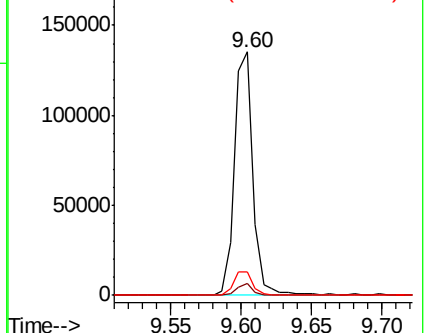
164 9.5 8.5 12.7



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: 9.126 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

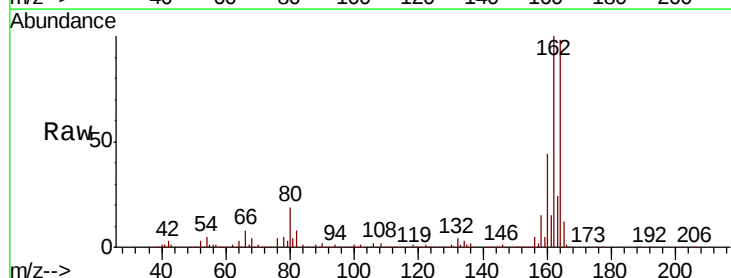
Tgt Ion:165 Resp: 74723

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

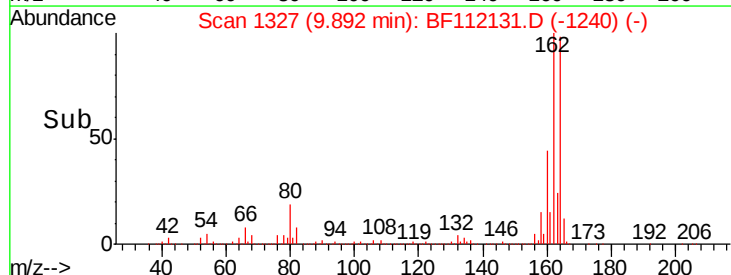
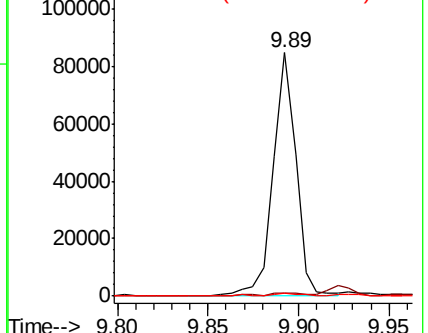
89 1.3 36.9 55.3#

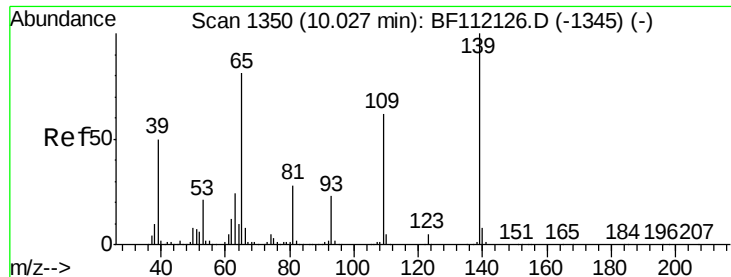


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

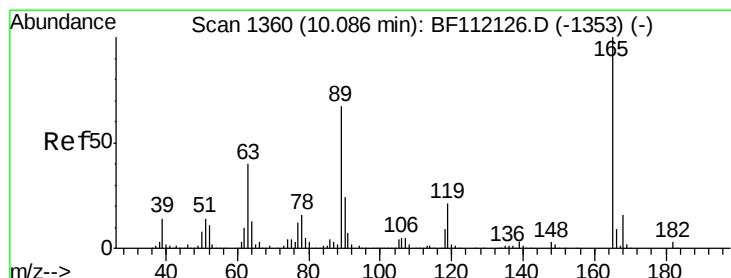
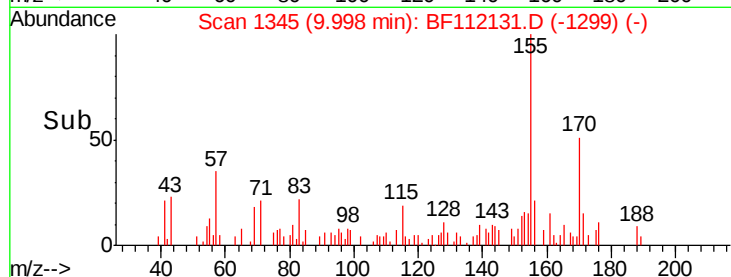
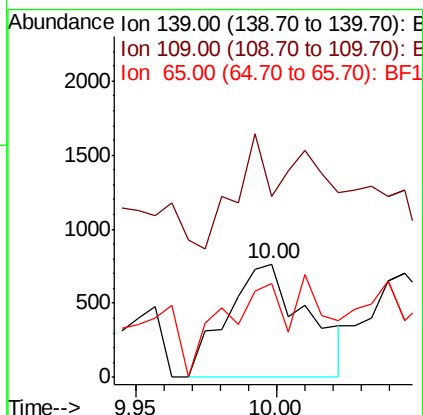
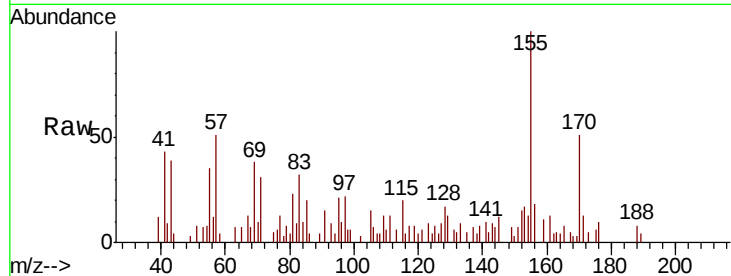




#56
4-Nitrophenol
Concen: 5.869 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.03 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

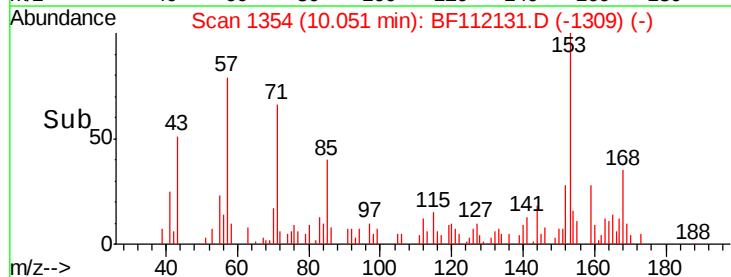
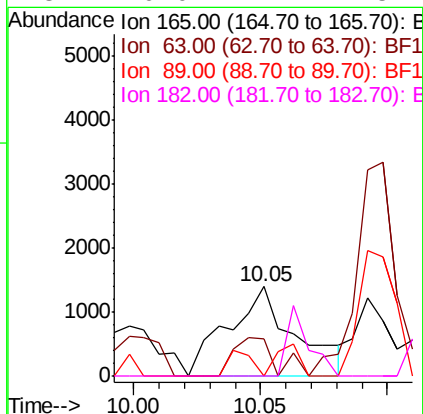
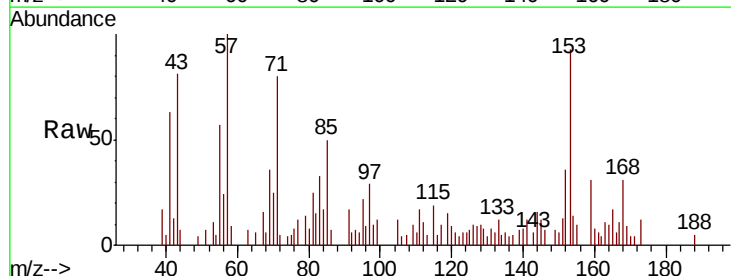
Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

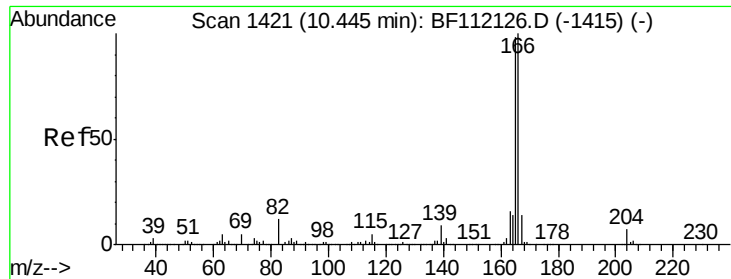
Tgt Ion:139 Resp: 1507
Ion Ratio Lower Upper
139 100
109 159.8 42.8 82.8#
65 82.2 66.1 106.1



#57
2,4-Dinitrotoluene
Concen: 4.803 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.04 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion:165 Resp: 2569
Ion Ratio Lower Upper
165 100
63 41.0 27.9 41.9
89 0.0 47.9 71.9#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 2.255 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

SITE4-WEST

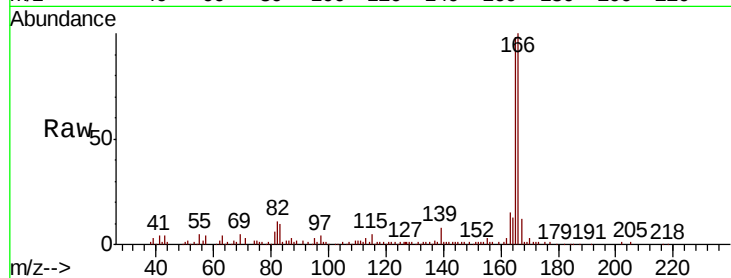
Tgt Ion:166 Resp: 83726

Ion Ratio Lower Upper

166 100

165 98.1 77.1 115.7

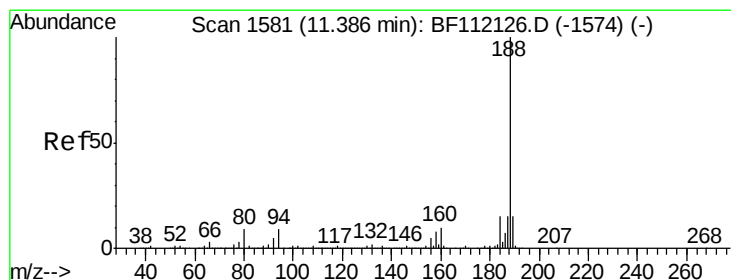
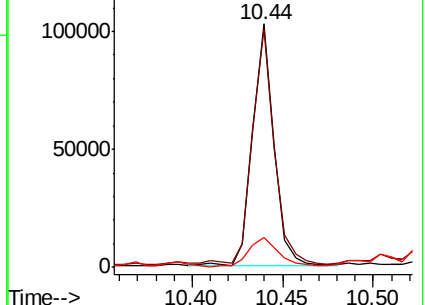
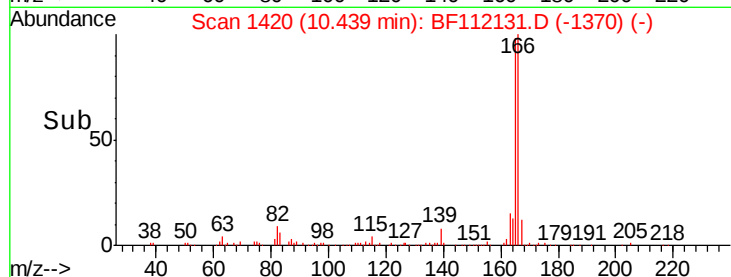
167 12.5 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

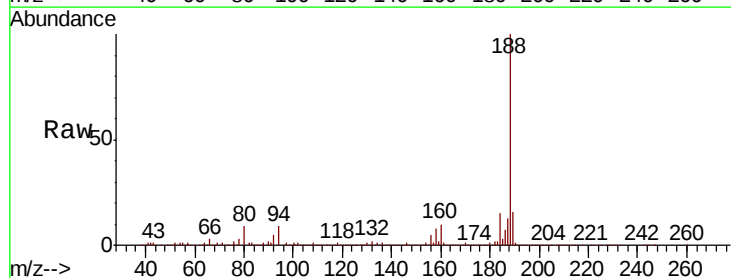
Tgt Ion:188 Resp: 1008409

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

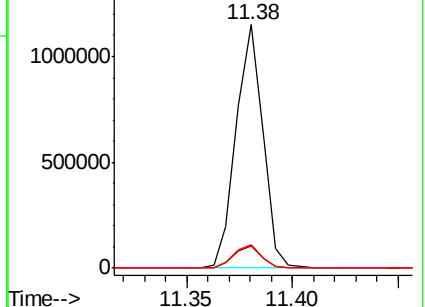
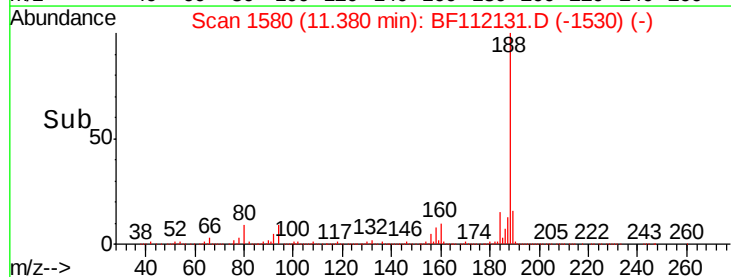
80 9.5 8.9 13.3

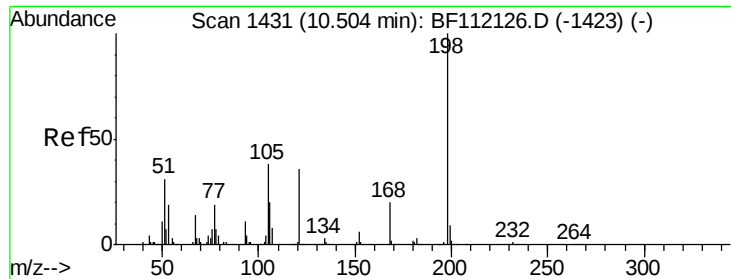


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

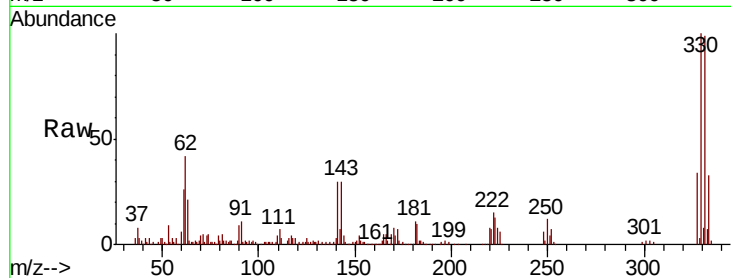




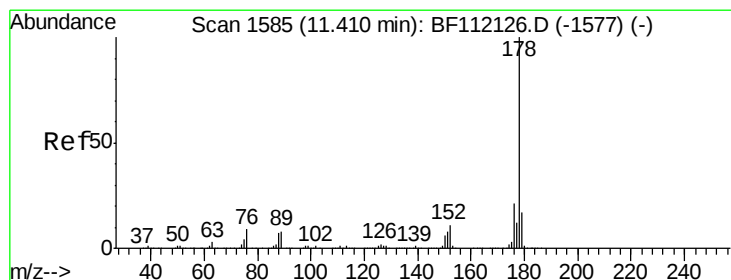
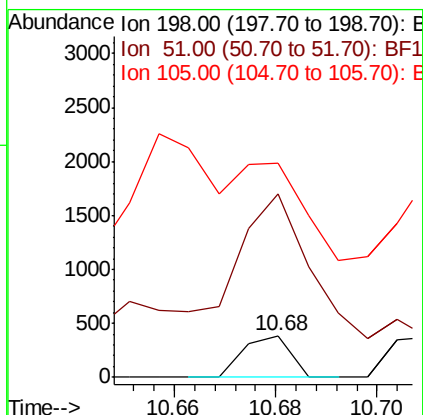
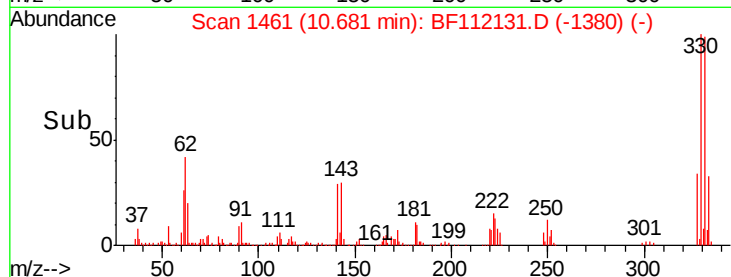
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.116 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.18 min
 Lab File: BF112131.D
 Acq: 18 Jan 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-WEST

Tgt Ion:198 Resp: 247
 Ion Ratio Lower Upper
 198 100
 51 441.3 17.2 57.2#
 105 516.1 21.9 61.9#

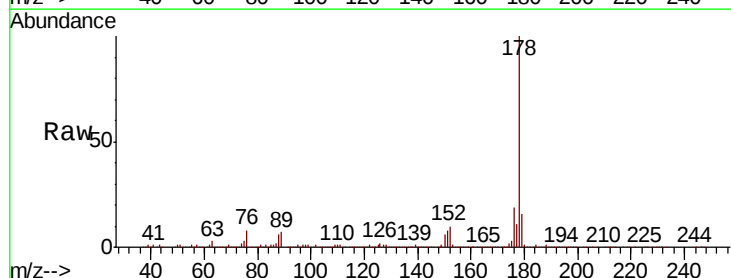


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

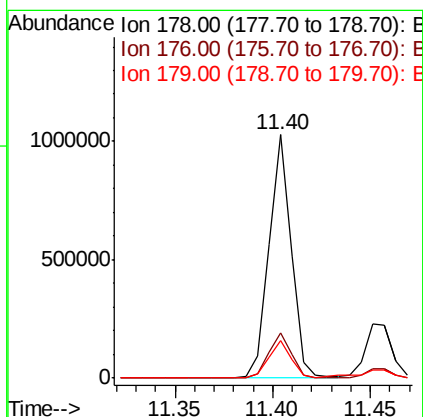
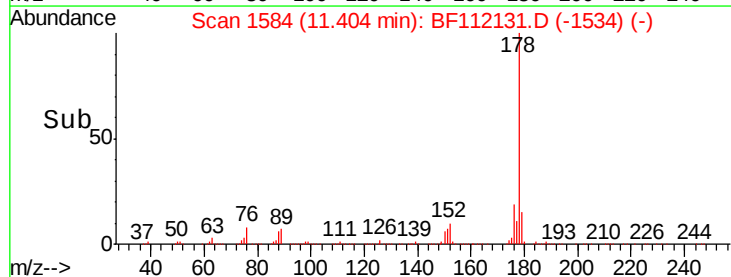


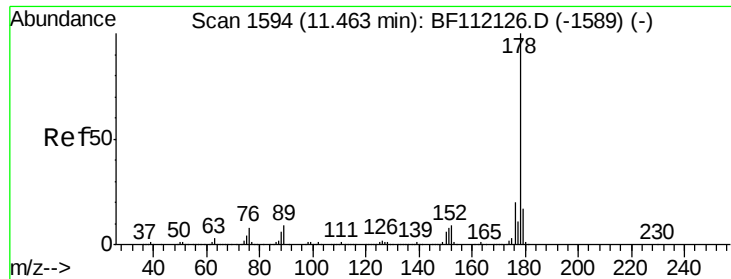
#71
 Phenanthrene
 Concen: 15.999 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF112131.D
 Acq: 18 Jan 2019 18:20

Tgt Ion:178 Resp: 811934
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.3 24.5
 179 15.5 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: 3.964 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

SITE4-WEST

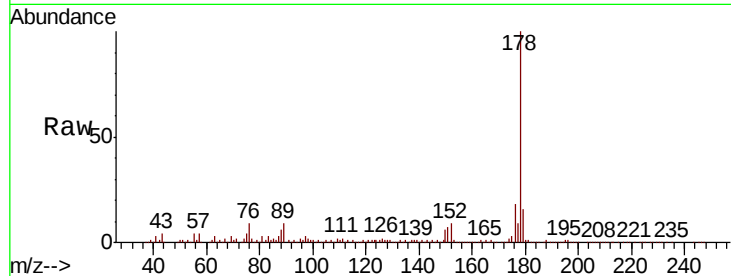
Tgt Ion:178 Resp: 203771

Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

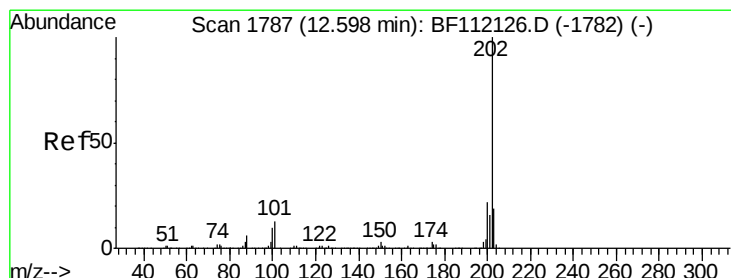
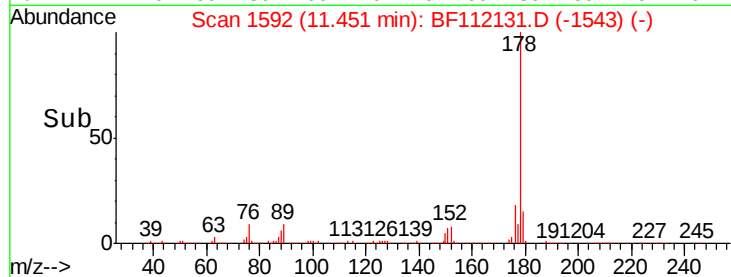
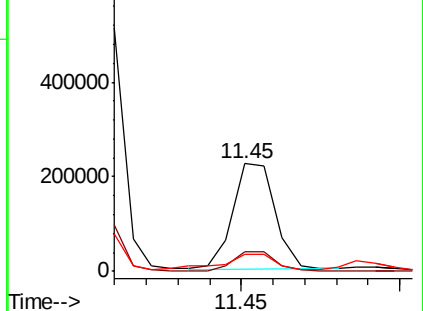
179 15.7 12.8 19.2



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



#75

Fluoranthene

Concen: 16.026 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

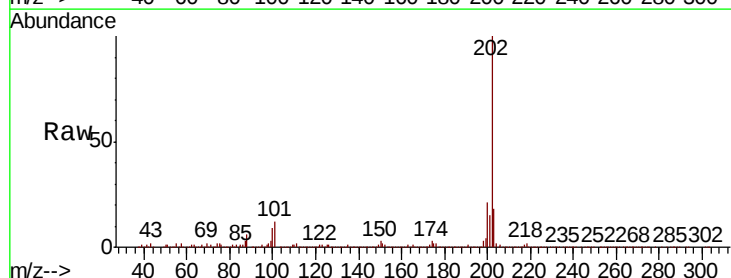
Tgt Ion:202 Resp: 858733

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.8

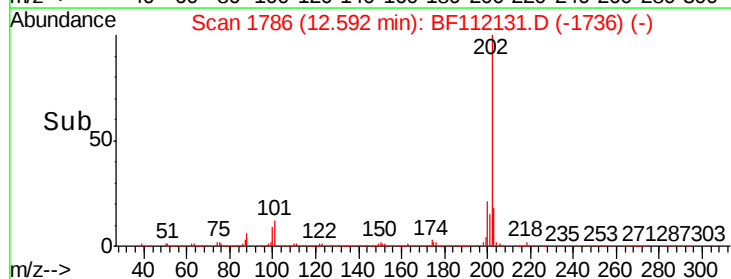
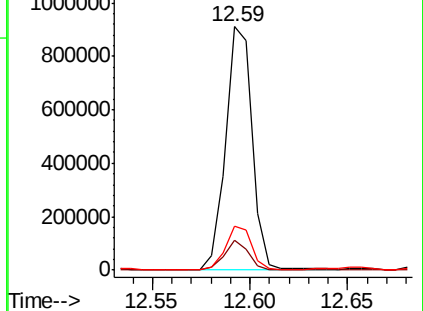
203 17.9 0.0 38.4

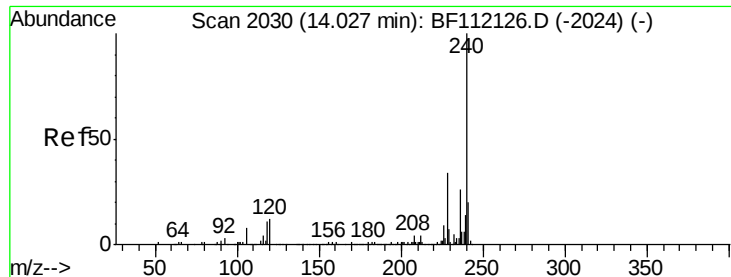


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

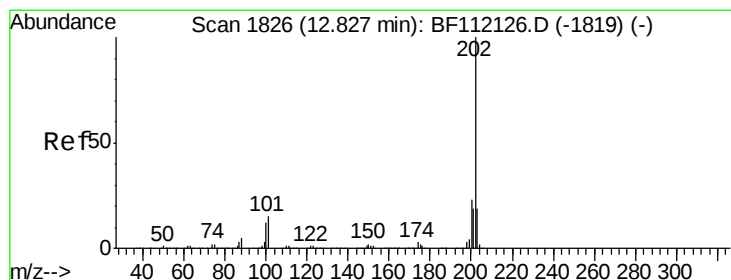
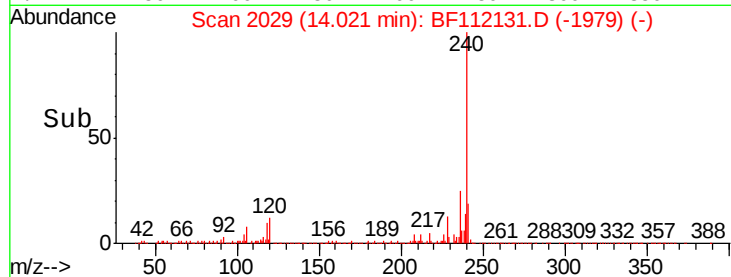
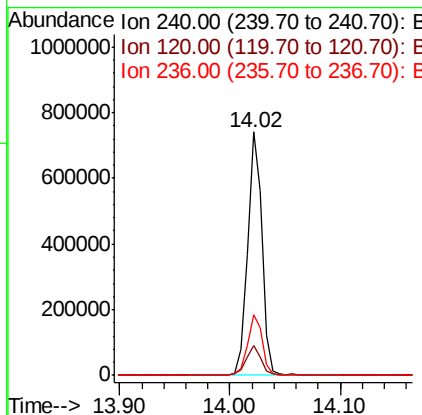
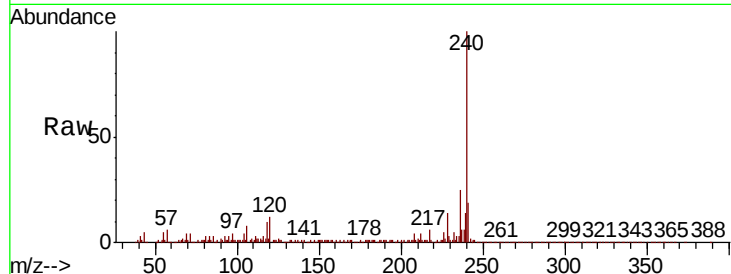




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

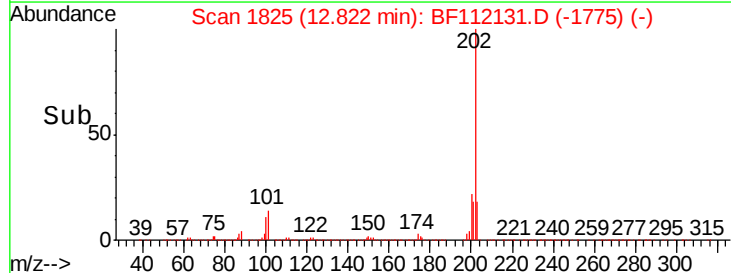
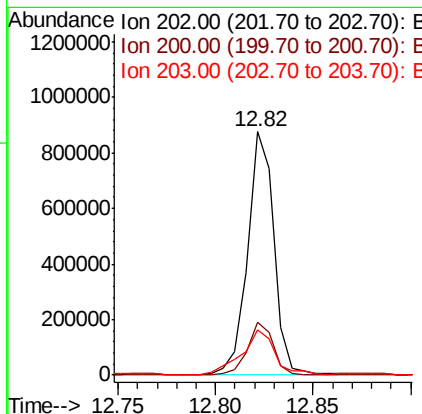
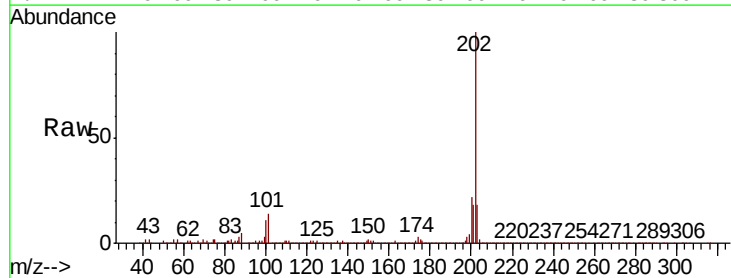
Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

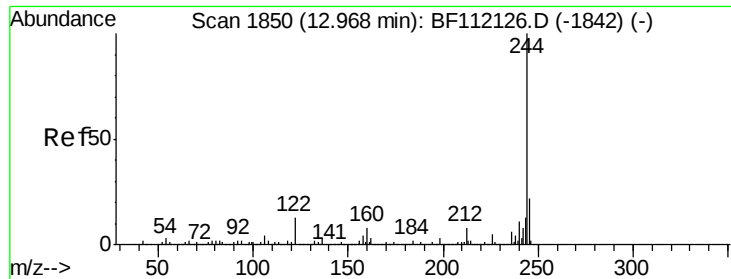
Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.6
236	25.1	20.7	31.1



#78
Pyrene
Concen: 18.446 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	14.6	22.0

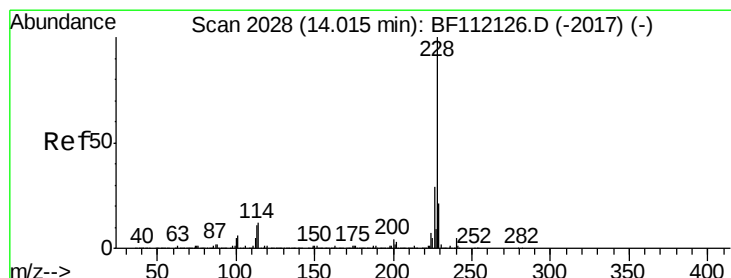
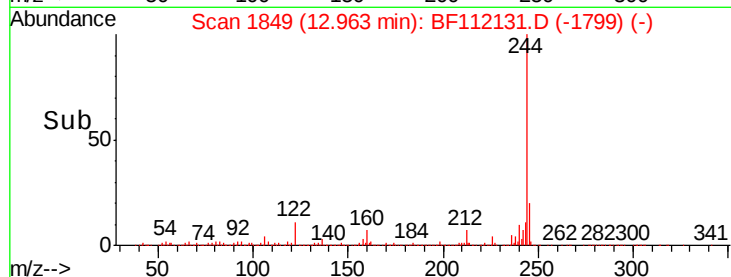
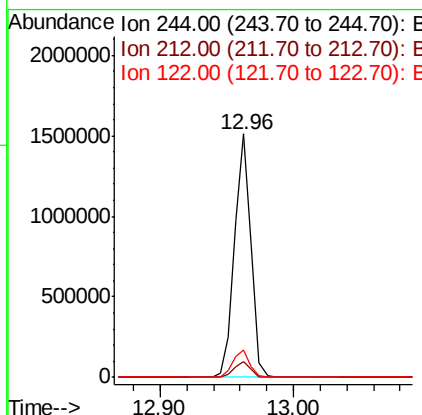
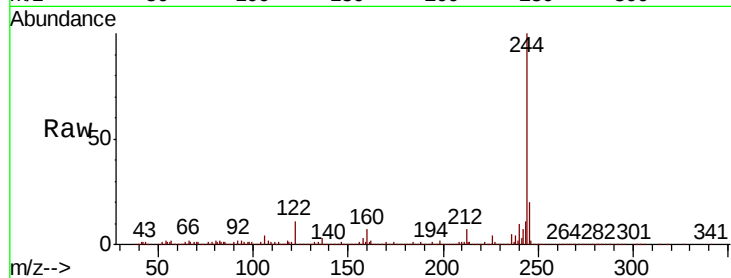




#79
 Terphenyl-d14
 Concen: 41.333 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF112131.D
 Acq: 18 Jan 2019 18:20

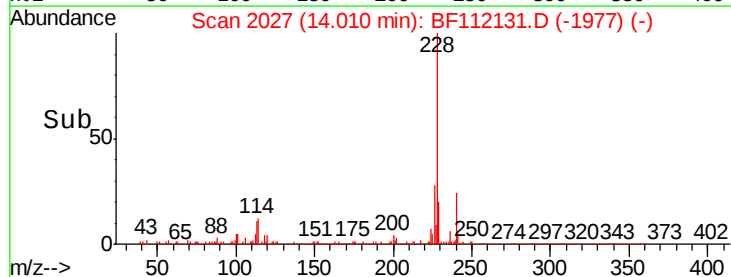
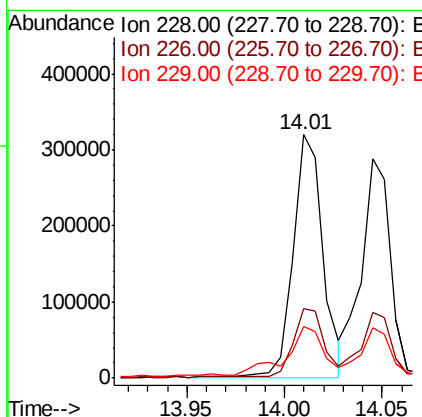
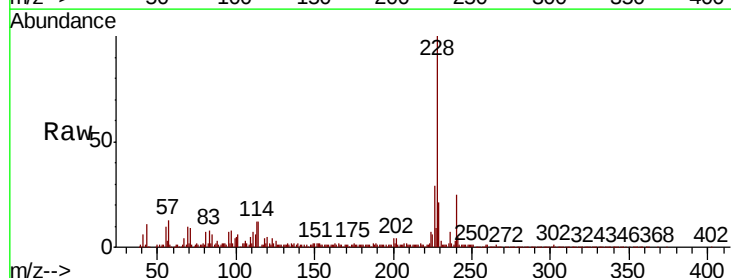
Instrument :
 BNA_F
 ClientSampleId :
 SITE4-WEST

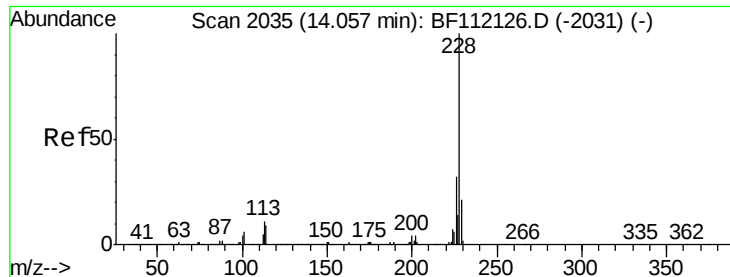
Tgt Ion:244 Resp: 1307702
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 11.2 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 8.653 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF112131.D
 Acq: 18 Jan 2019 18:20

Tgt Ion:228 Resp: 333931
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 34.0
 229 21.2 16.5 24.7





#83

Chrysene

Concen: 8.148 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

SITE4-WEST

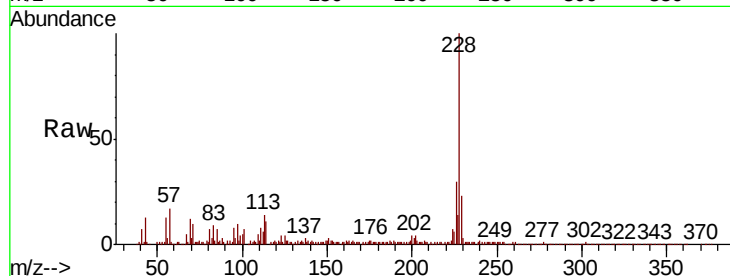
Tgt Ion:228 Resp: 297534

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

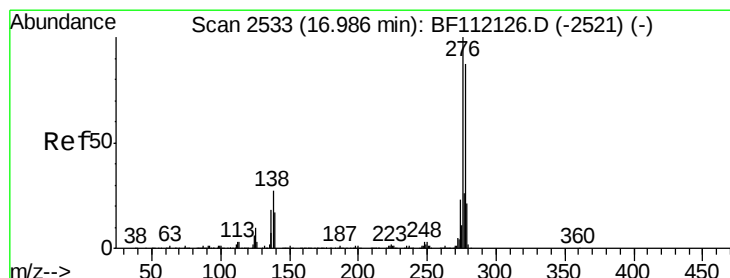
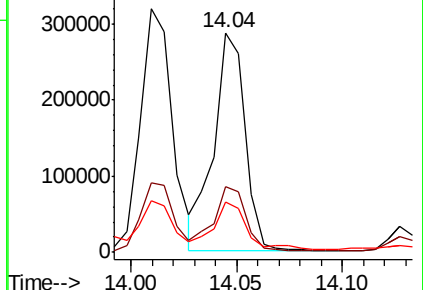
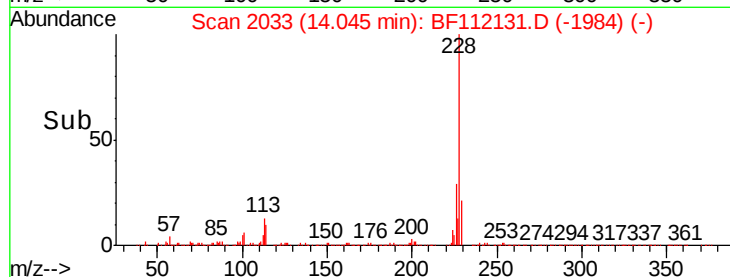
229 22.8 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.442 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF112131.D

Acq: 18 Jan 2019 18:20

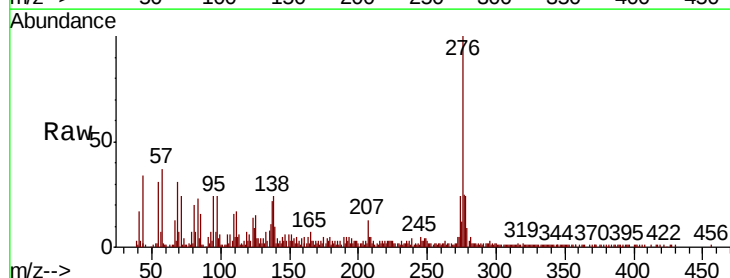
Tgt Ion:276 Resp: 115972

Ion Ratio Lower Upper

276 100

138 22.2 22.6 34.0#

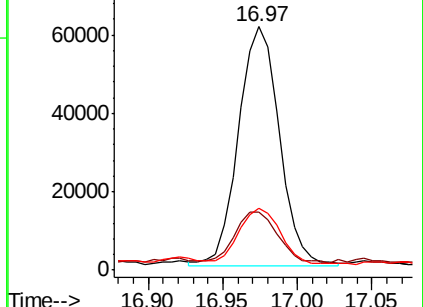
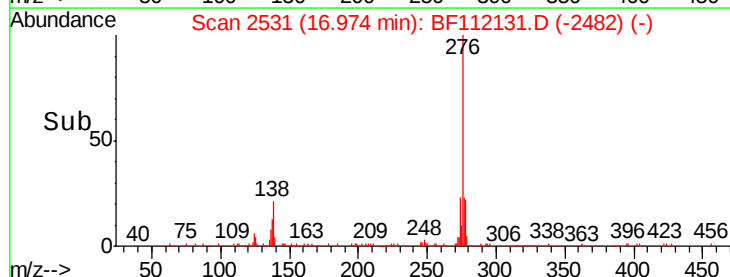
277 23.3 20.3 30.5

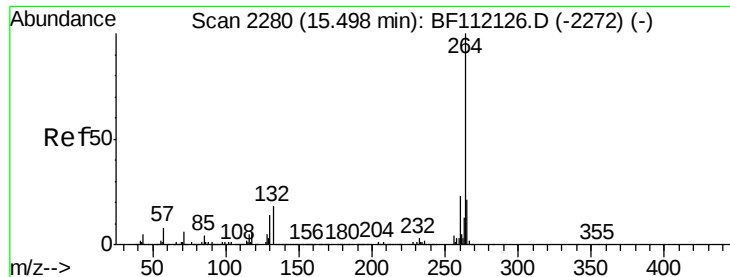


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



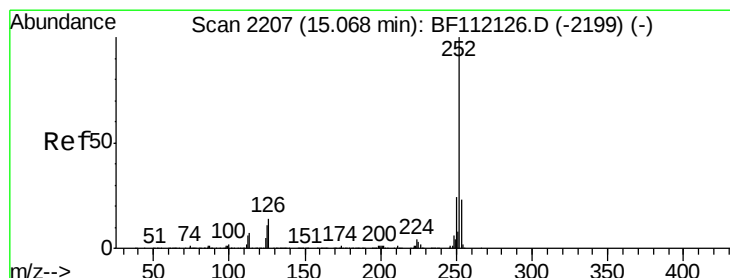
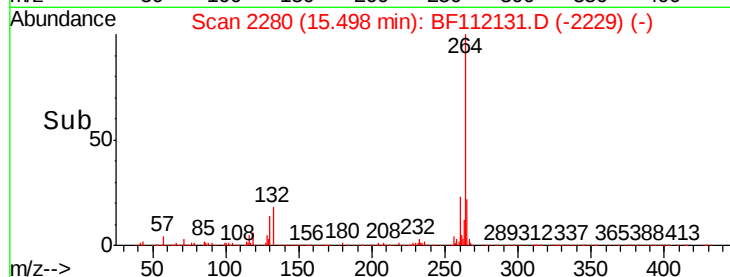
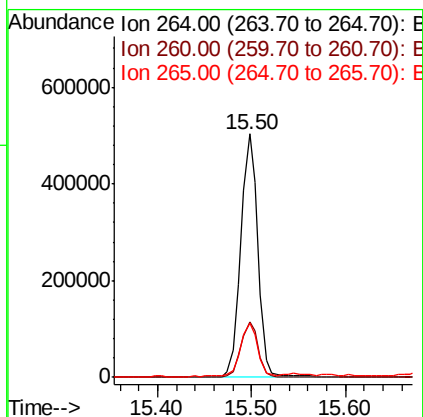
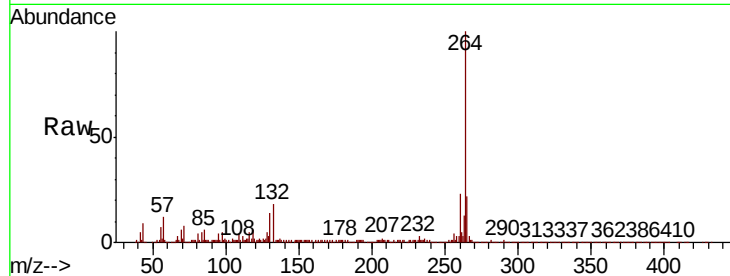


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

Tgt Ion:264 Resp: 629536

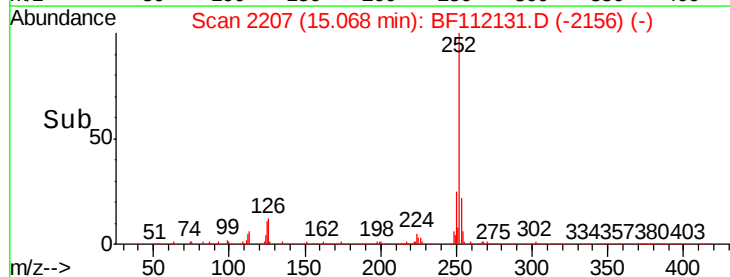
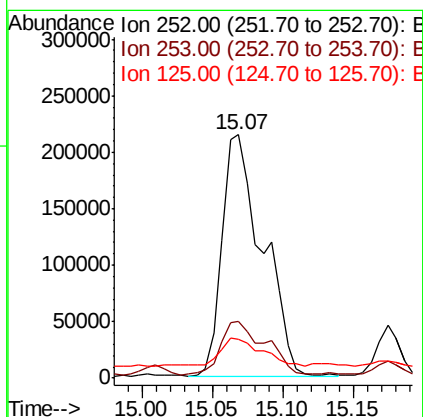
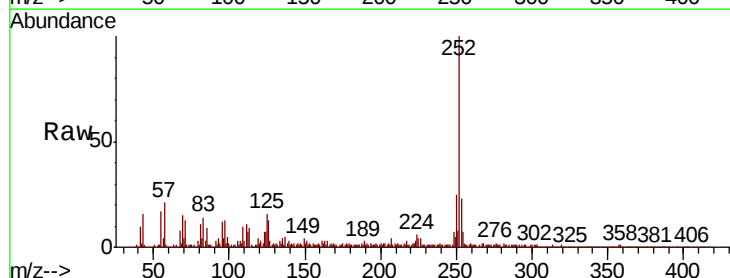
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	22.4	17.0	25.4

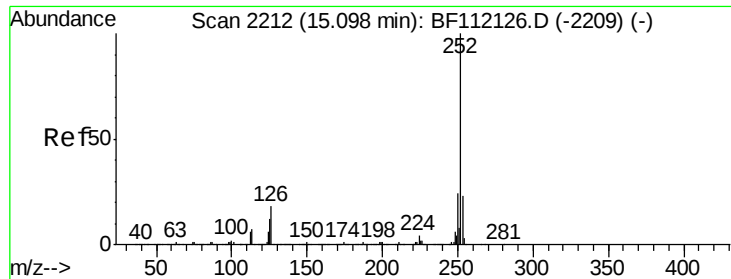


#88
Benzo(b)fluoranthene
Concen: 12.046 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion:252 Resp: 430480

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	16.1	8.7	13.1#

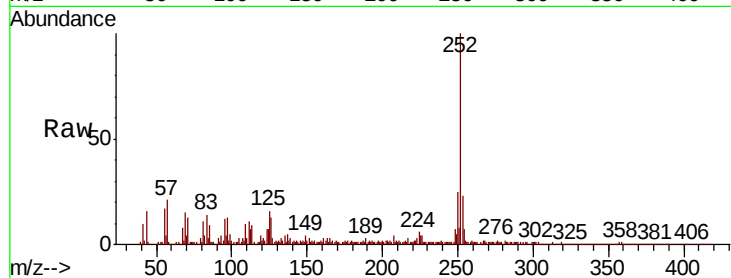




#89
Benzo(k)fluoranthene
Concen: 12.446 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :
SITE4-WEST

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	16.1	9.1	13.7#

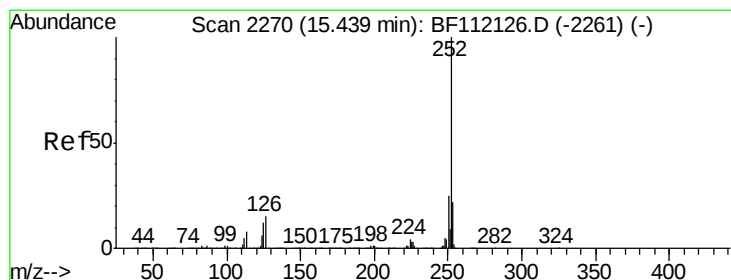
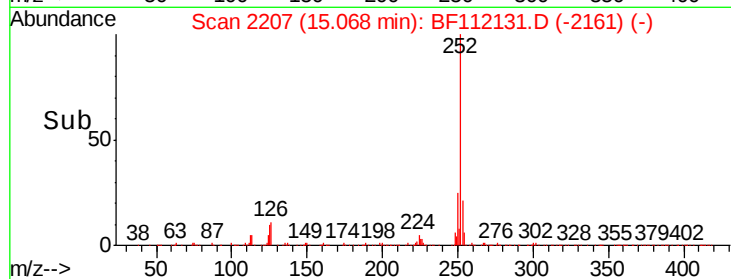
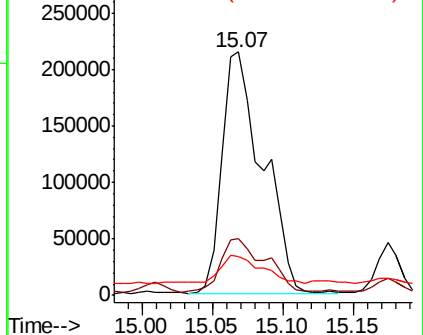


Abundance

Ion 252.00 (251.70 to 252.70): E

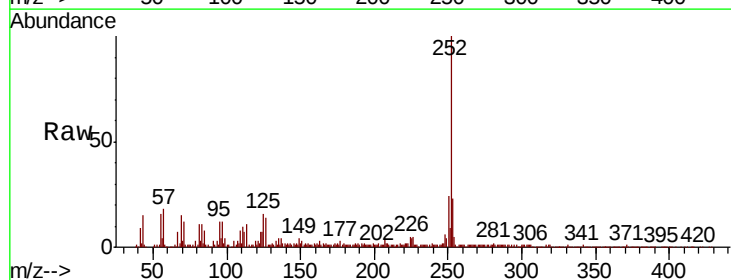
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.345 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112131.D
Acq: 18 Jan 2019 18:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.9	9.0	13.4#

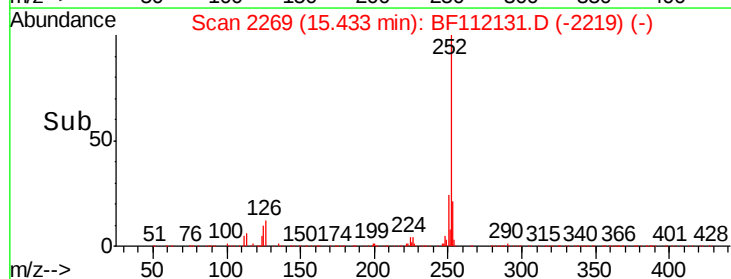
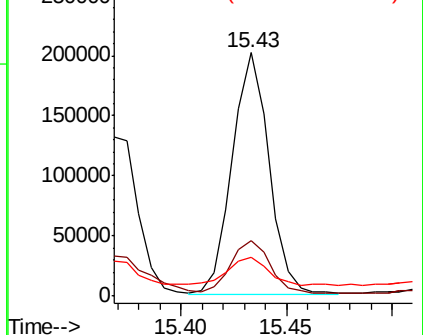


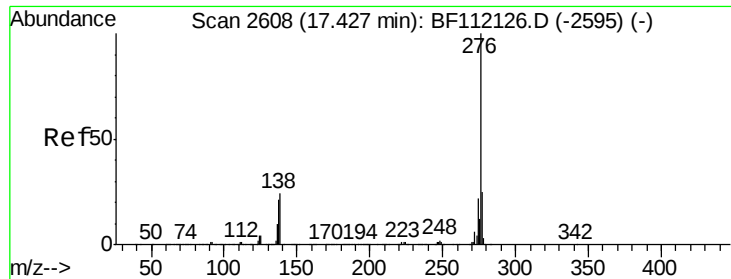
Abundance

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: 3.691 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF112131.D
 Acq: 18 Jan 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SITE4-WEST

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.4	29.0
138	23.2	19.1	28.7

