

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103145.D
 Acq On : 21 Feb 2018 19:12
 Operator : SJ/JU
 Sample : J1619-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PIT

Quant Time: Feb 22 00:36:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	150061	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	609767	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	241516	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	344191	20.00	ng	0.00
75) Chrysene-d12	14.05	240	267886	20.00	ng	0.00
86) Perylene-d12	15.54	264	206498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1077620	109.06	ng	0.02
7) Phenol-d6	6.52	99	1149873	96.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	873174	99.34	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	221814	114.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1353876	93.02	ng	0.00
78) Terphenyl-d14	12.99	244	957325	84.62	ng	0.00

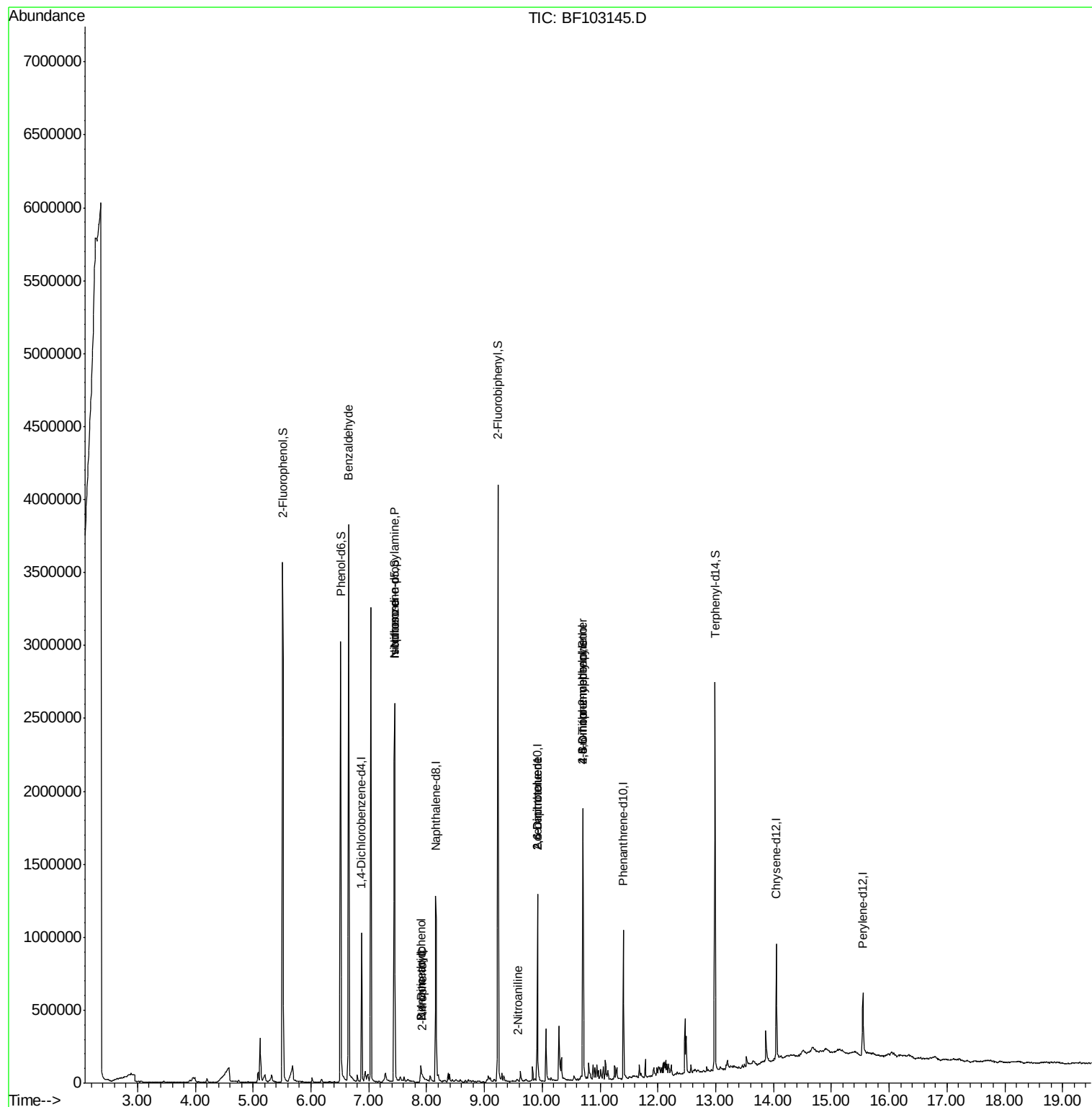
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	23388	2.647	ng	83
19) n-Nitroso-di-n-propylamine	7.45	70	119773	15.269	ng	# 78
25) Isophorone	7.45	82	873160	43.140	ng	# 64
26) 2-Nitrophenol	7.93	139	247	8.714	ng	# 34
27) 2,4-Dimethylphenol	7.90	122	37048	4.333	ng	# 4
32) Benzoic acid	7.90	122	37048	14.337	ng	92
47) 2-Nitroaniline	9.58	65	106	3.492	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	30800	8.597	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	30800	9.075	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	264	8.963	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14212	3.903	ng	# 1

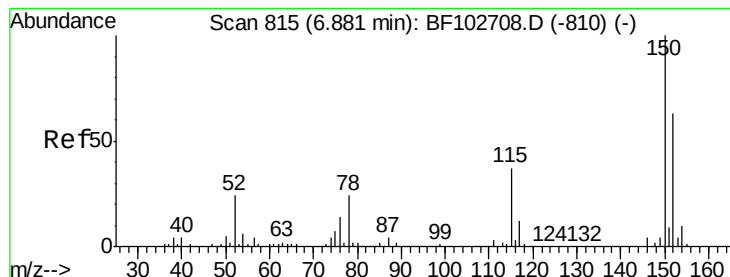
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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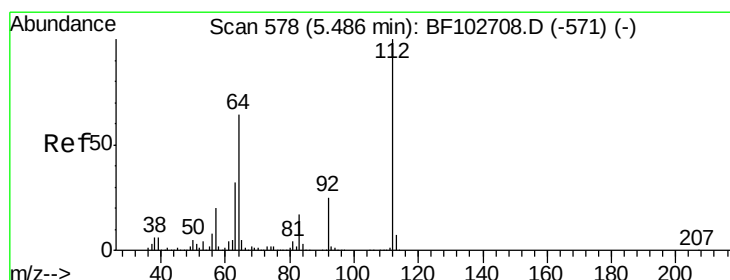
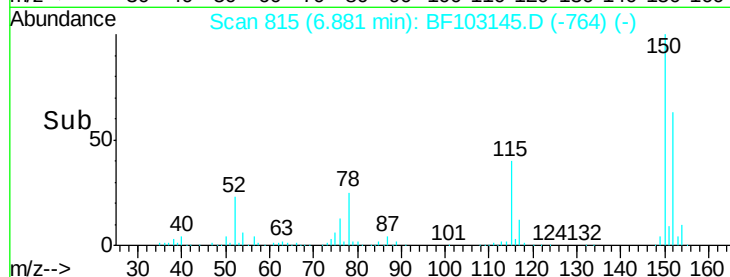
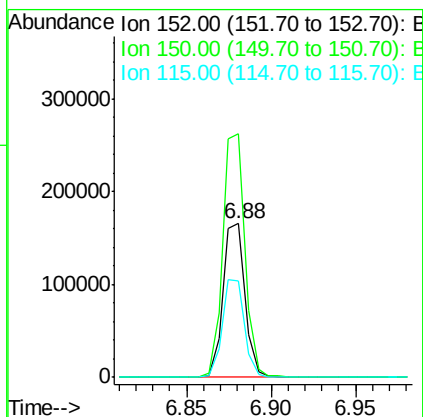
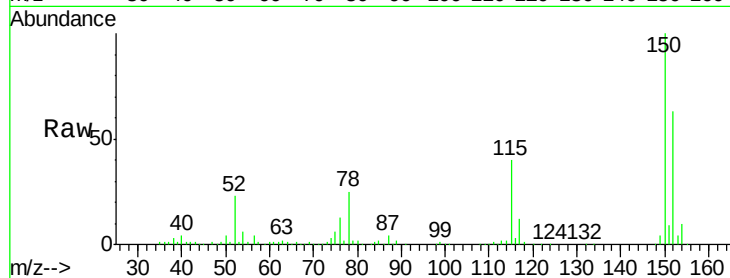


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

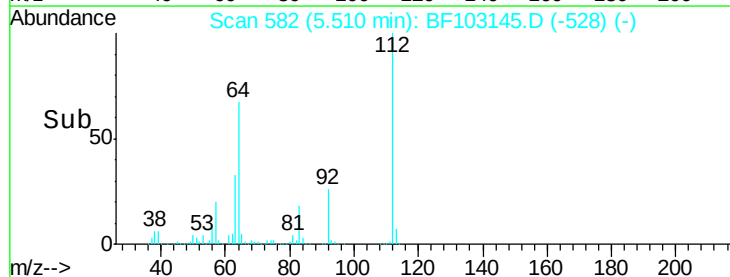
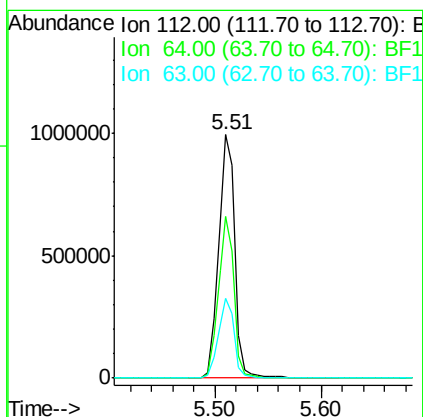
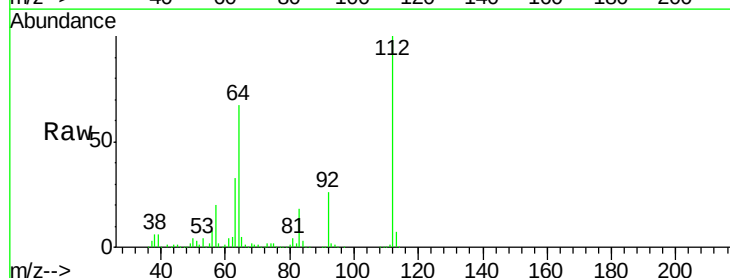
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	62.9	50.1	75.1

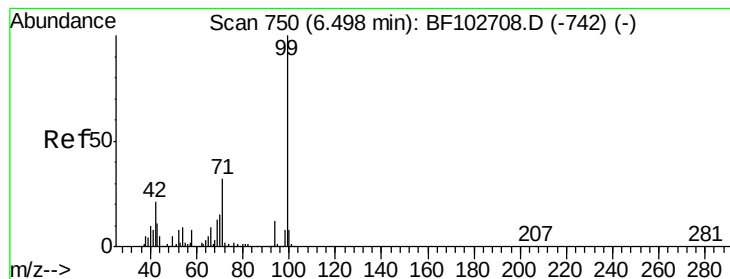


#5

2-Fluorophenol
Concen: 109.059 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 96.648 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

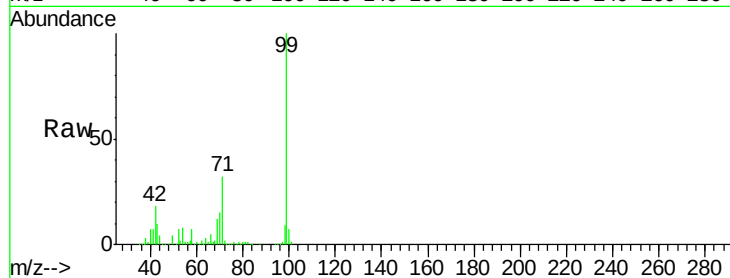
Tot Ion: 99 Resp: 1149873

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

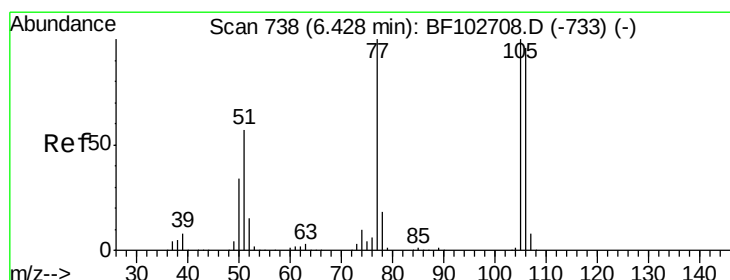
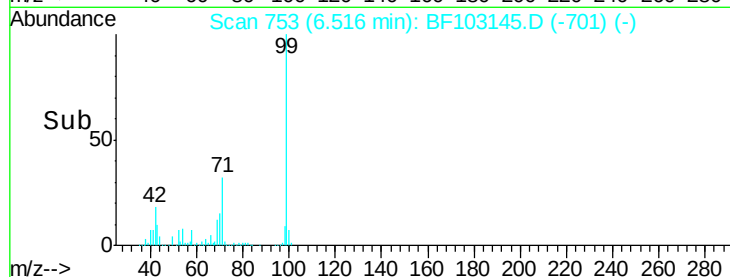
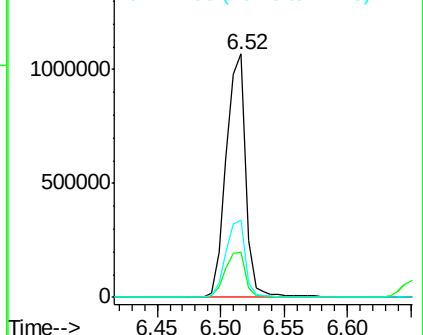
71 31.9 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.647 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

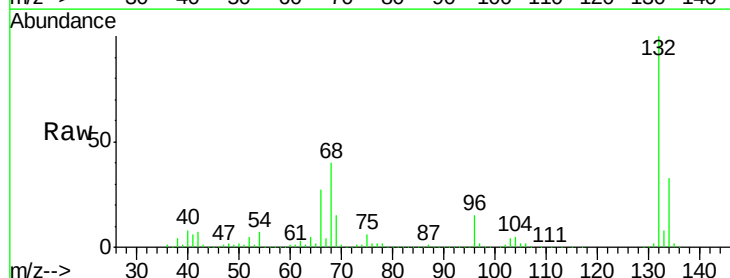
Tgt Ion: 77 Resp: 23388

Ion Ratio Lower Upper

77 100

105 84.9 81.1 121.1

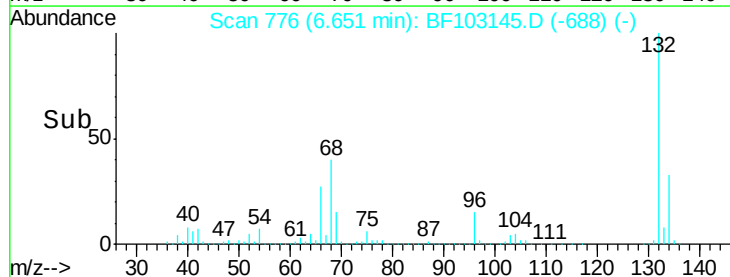
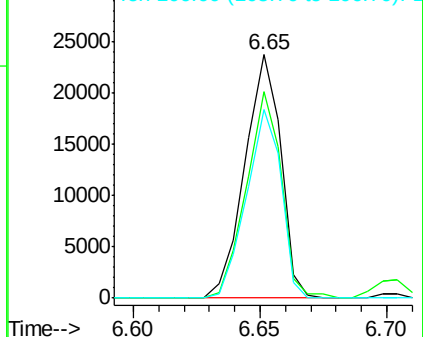
106 77.4 74.5 114.5

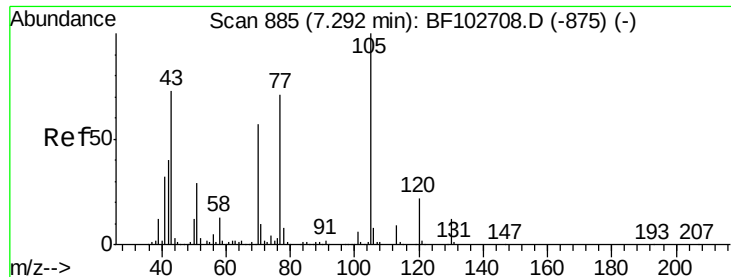


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

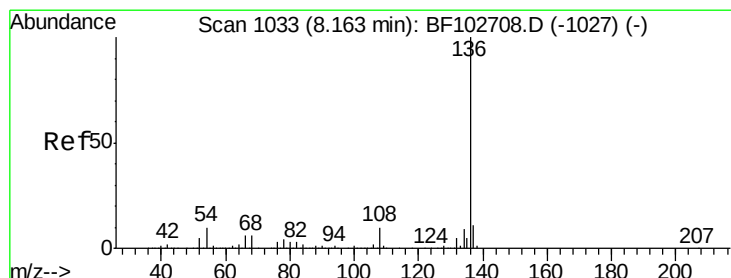
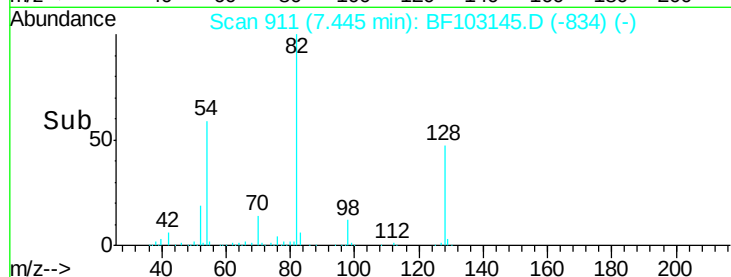
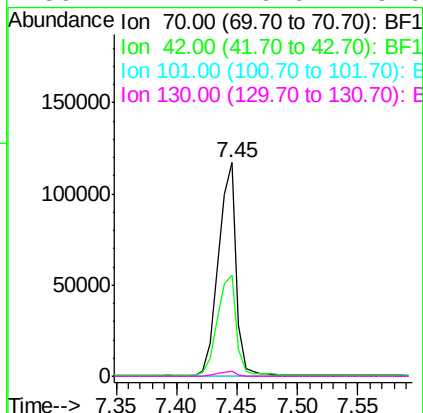
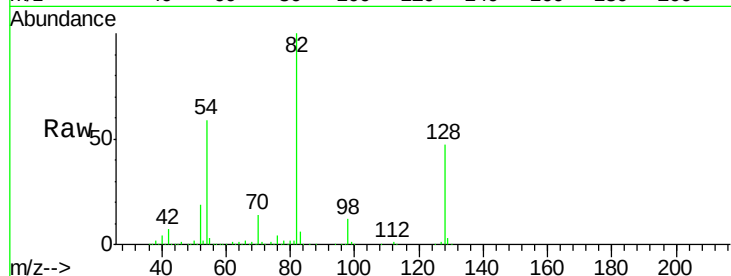




#19
n-Nitroso-di-n-propylamine
Concen: 15.269 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

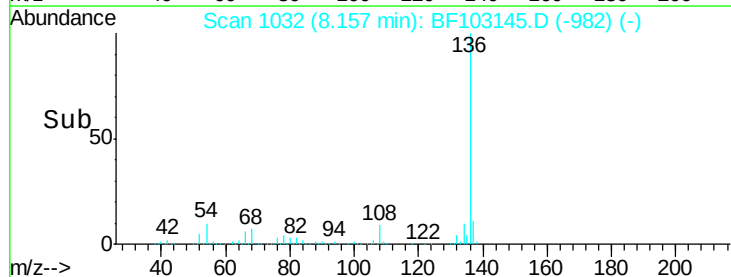
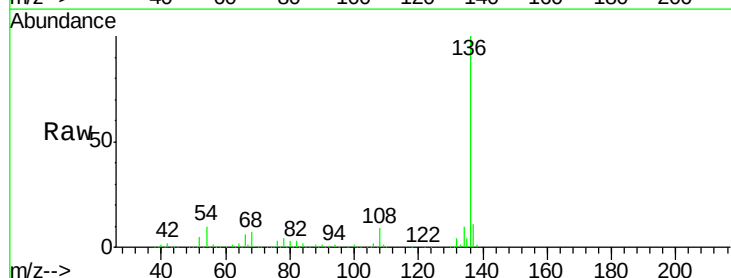
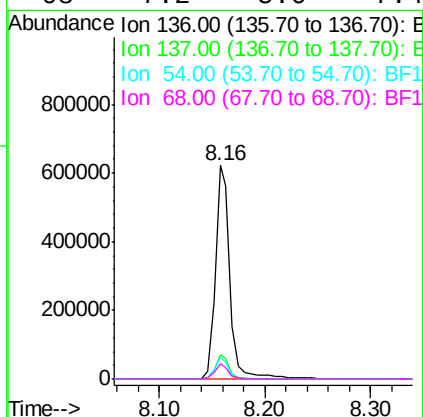
Instrument :
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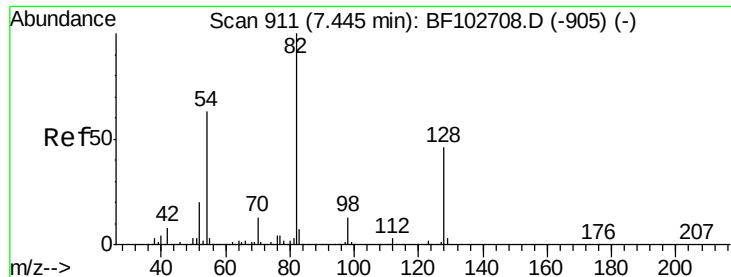
Tot Ion: 70 Resp: 119773
Ion Ratio Lower Upper
70 100
42 47.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Tgt Ion: 136 Resp: 609767
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.1 6.6 9.8#
68 7.2 5.0 7.4

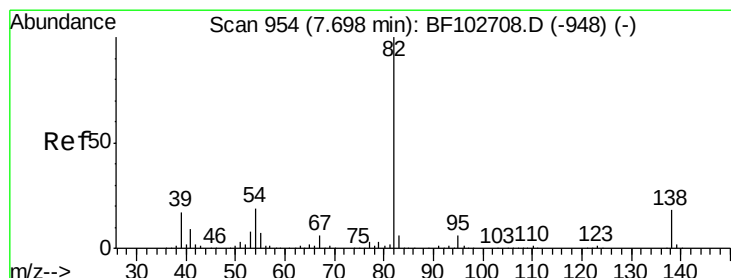
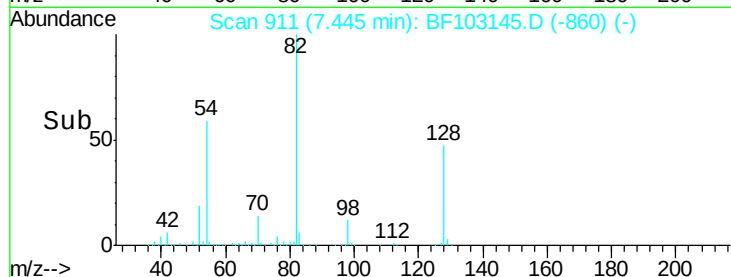
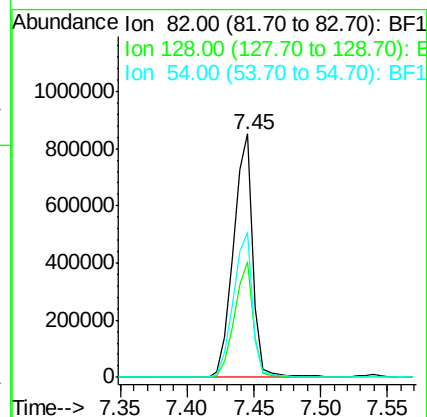
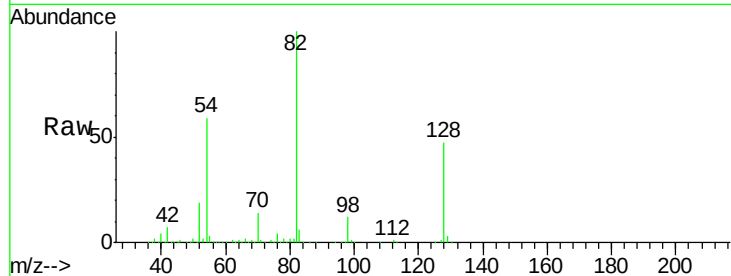




#23
Nitrobenzene-d5
Concen: 99.337 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

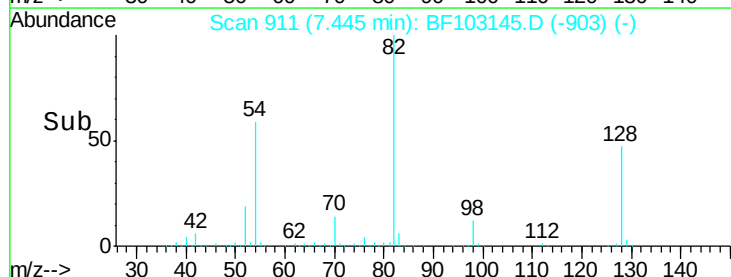
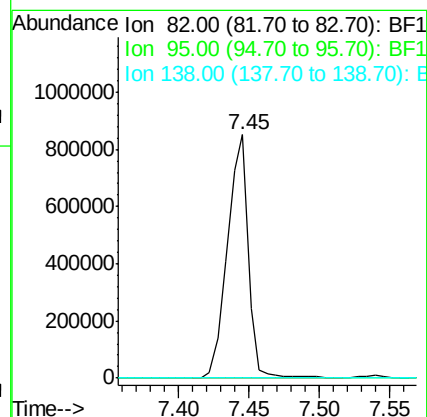
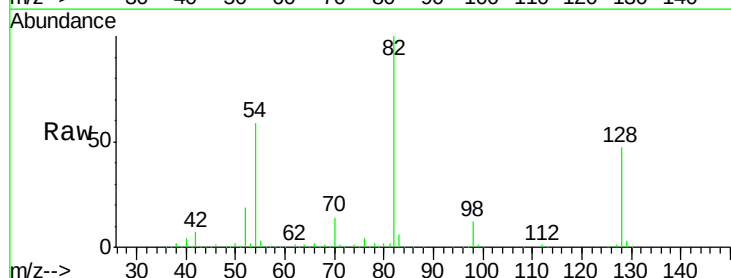
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

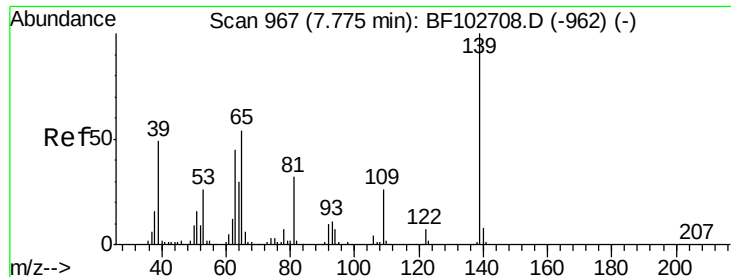
Tot Ion: 82 Resp: 873174
Ion Ratio Lower Upper
82 100
128 47.4 36.1 54.1
54 59.4 41.4 62.2



#25
Isophorone
Concen: 43.140 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Tgt Ion: 82 Resp: 873160
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#26

2-Nitrophenol

Concen: 8.714 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.15 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

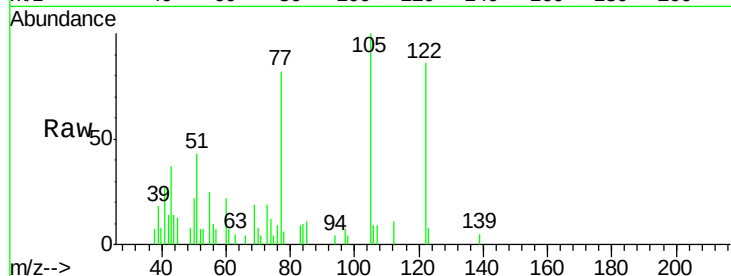
Tot Ion:139 Resp: 247

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

65 0.0 40.5 60.7#



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

800

600

400

200

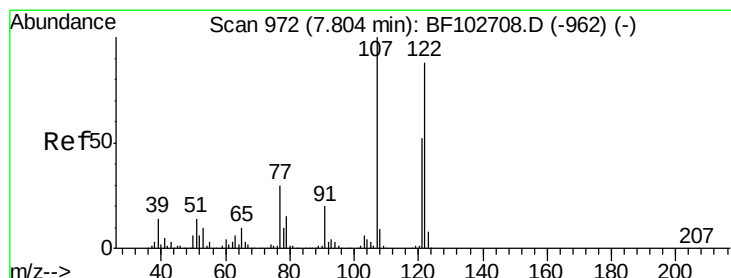
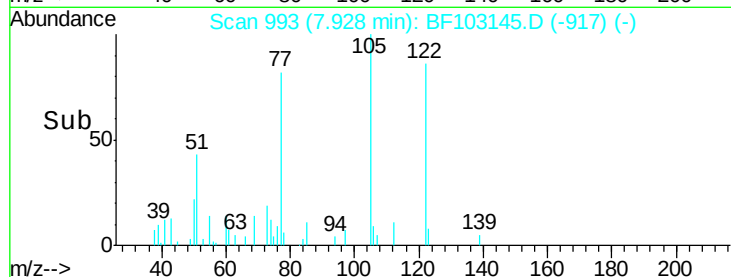
0

7.92

7.93

7.94

Time-->



#27

2,4-Dimethylphenol

Concen: 4.333 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.09 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

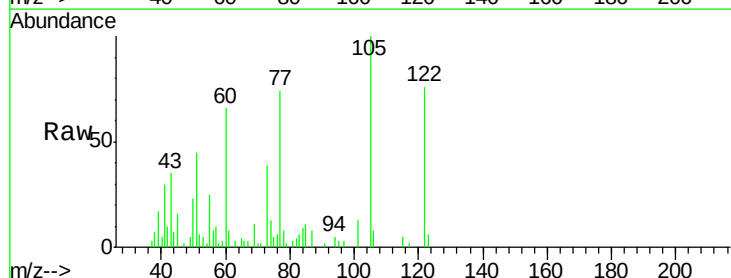
Tgt Ion:122 Resp: 37048

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

15000

10000

5000

0

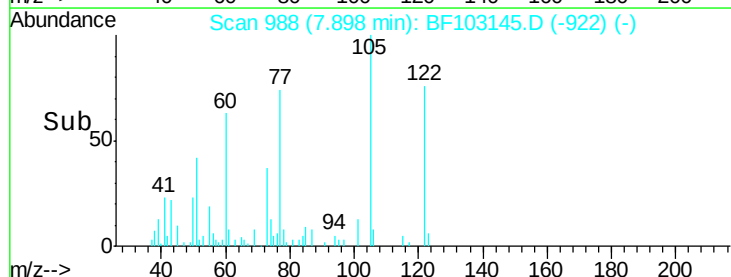
7.85

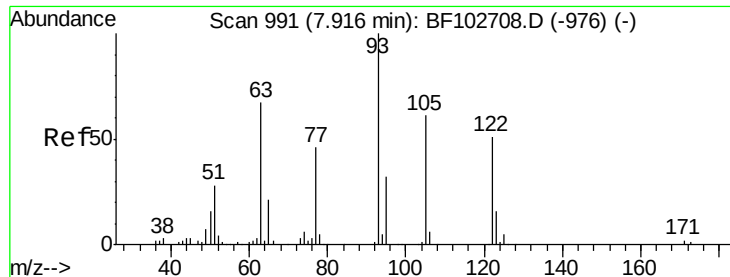
7.90

7.95

8.00

Time-->





#32

Benzoic acid

Concen: 14.337 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.05 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

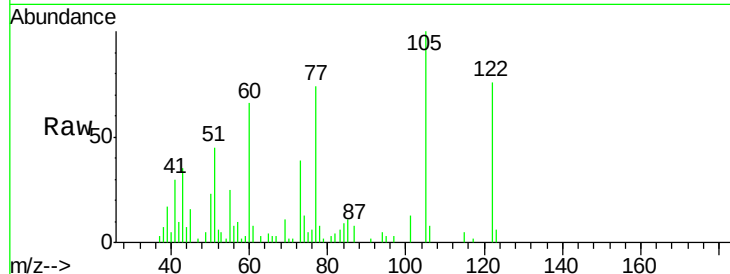
Tot Ion:122 Resp: 37048

Ion Ratio Lower Upper

122 100

105 130.9 101.1 141.1

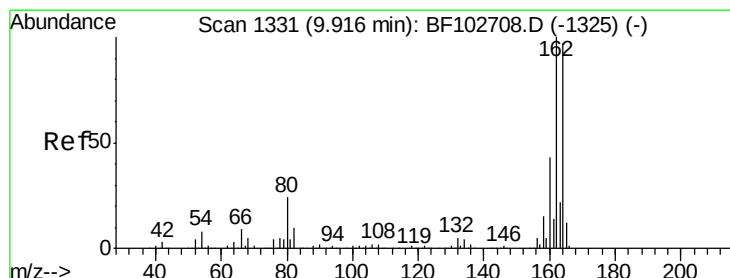
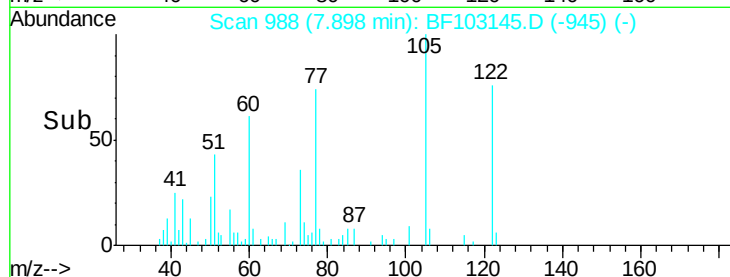
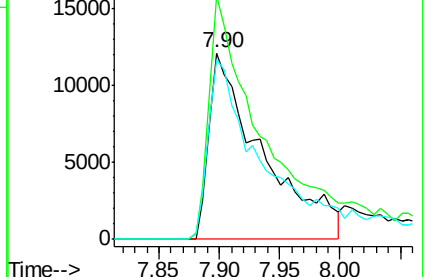
77 96.8 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

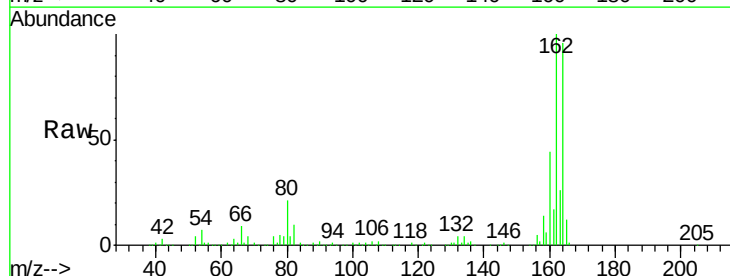
Tgt Ion:164 Resp: 241516

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

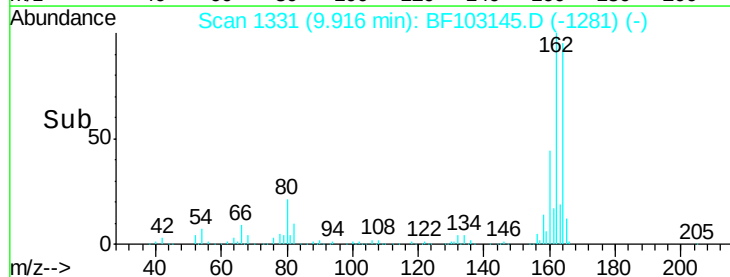
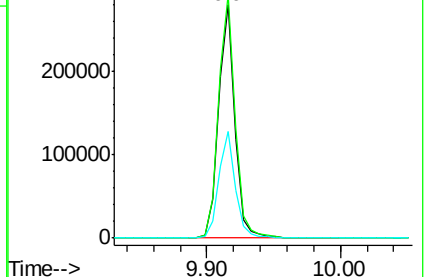
160 45.9 38.3 57.5

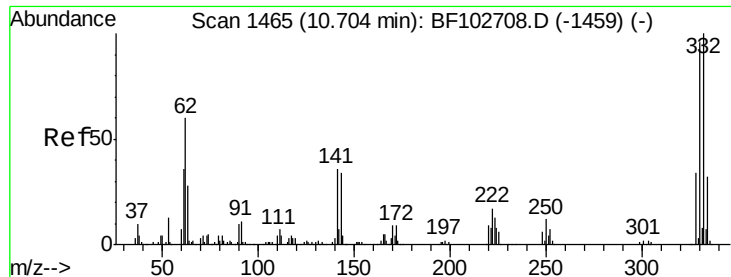


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

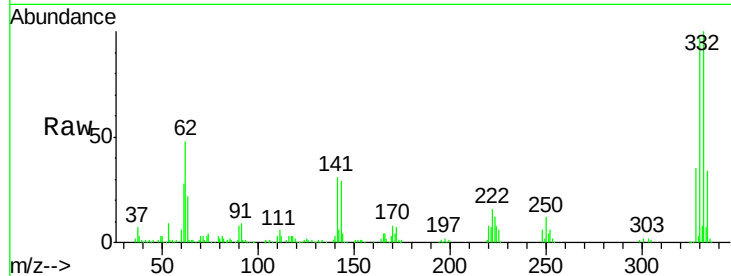




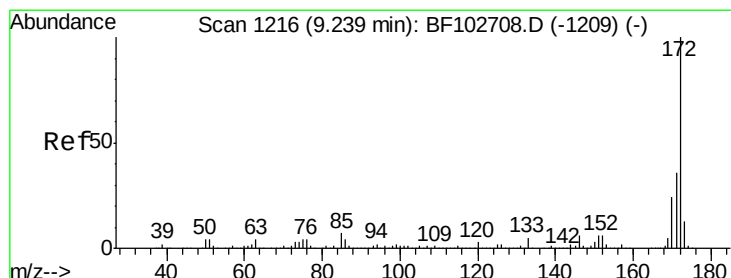
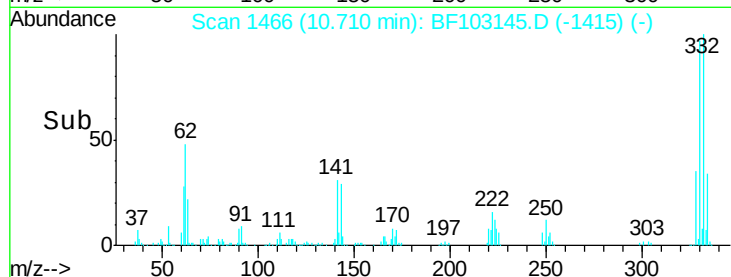
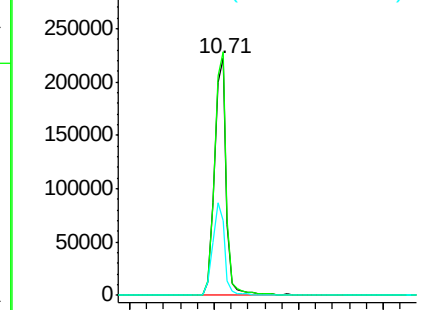
#41
 2,4,6-Tribromophenol
 Concen: 114.106 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103145.D
 Acq: 21 Feb 2018 19:12

Instrument :
 BNA_F
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 BUS-WASH-SLUDGE-PIT

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.4	77.0	115.6
141	39.1	29.9	44.9

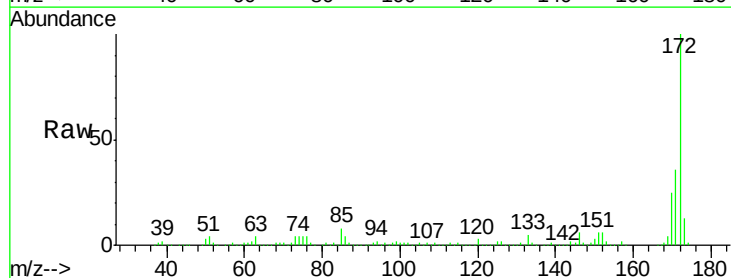


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

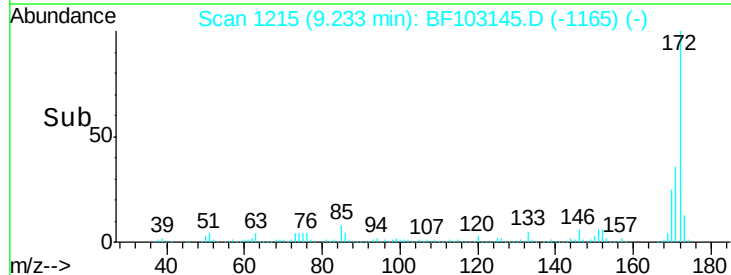
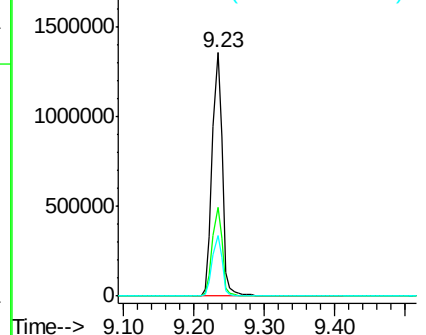


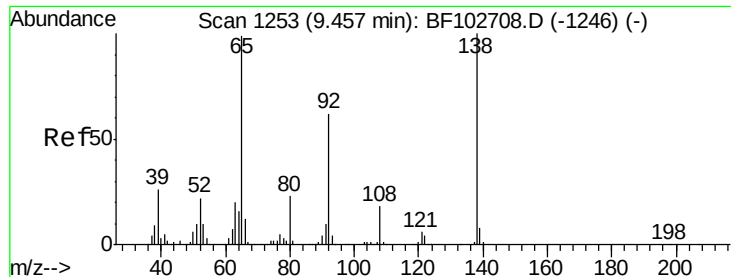
#44
 2-Fluorobiphenyl
 Concen: 93.019 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103145.D
 Acq: 21 Feb 2018 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.492 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.12 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

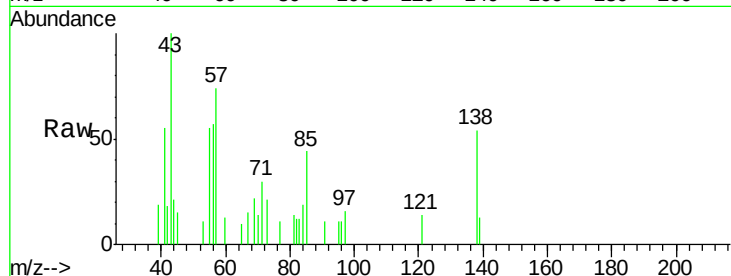
Tot Ion: 65 Resp: 106

Ion Ratio Lower Upper

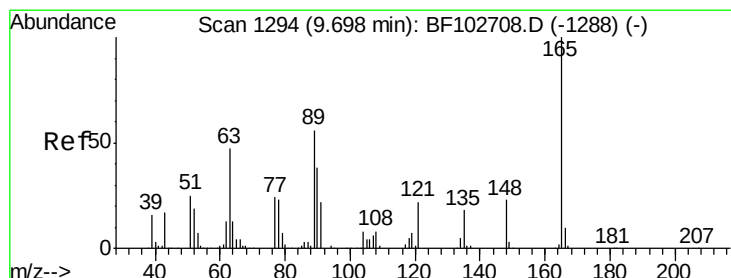
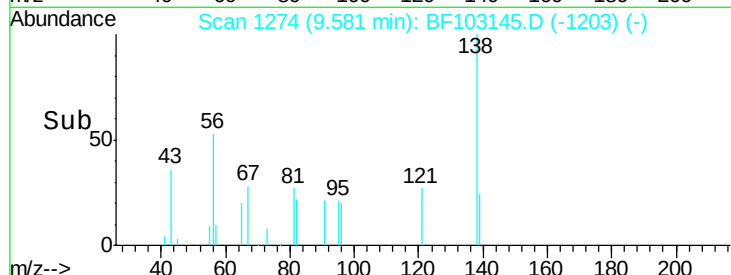
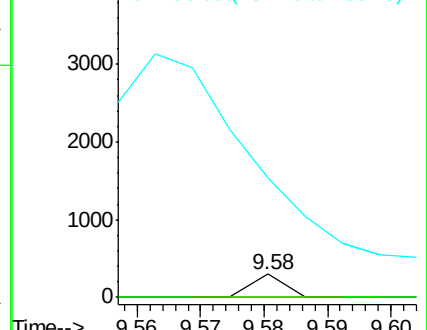
65 100

92 0.0 55.8 83.6#

138 510.3 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#50

2,6-Dinitrotoluene

Concen: 8.597 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

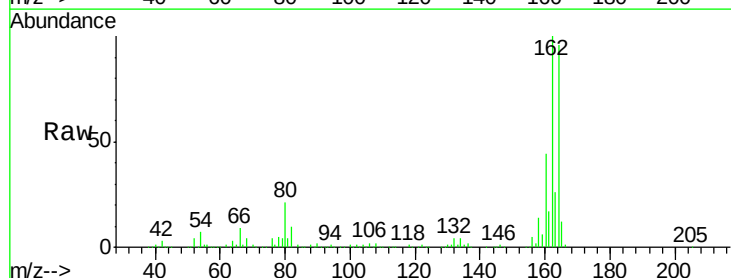
Tgt Ion: 165 Resp: 30800

Ion Ratio Lower Upper

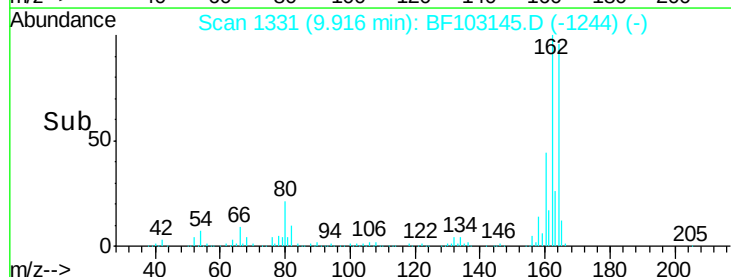
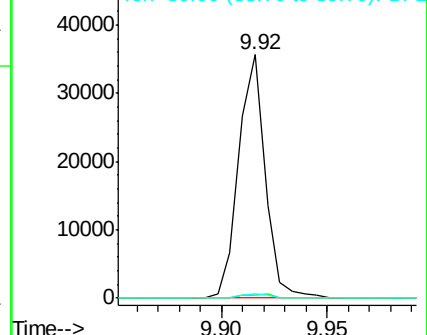
165 100

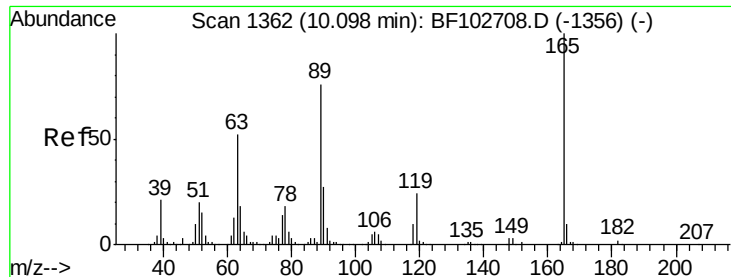
63 1.1 44.7 67.1#

89 1.6 44.0 66.0#



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

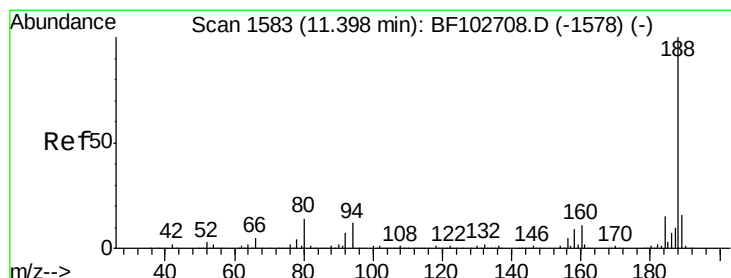
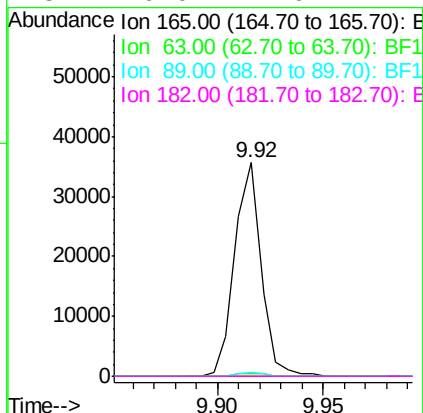
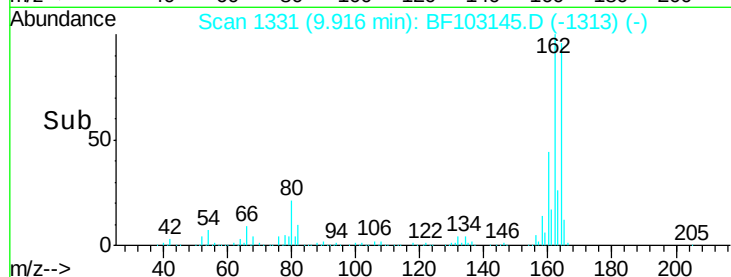
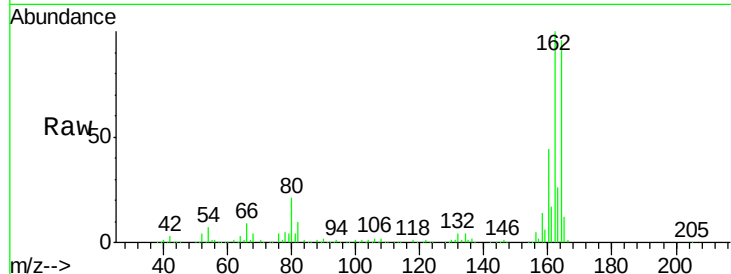




#56
2,4-Dinitrotoluene
Concen: 9.075 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

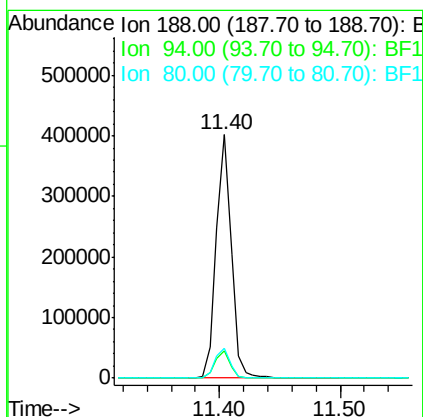
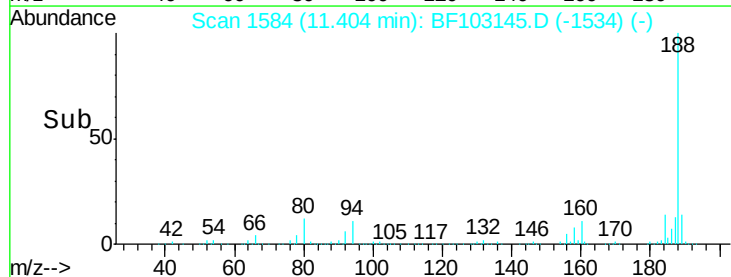
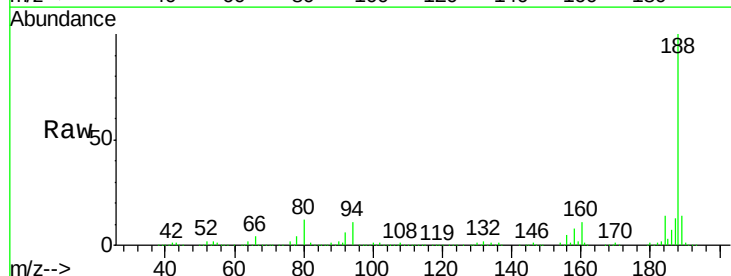
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

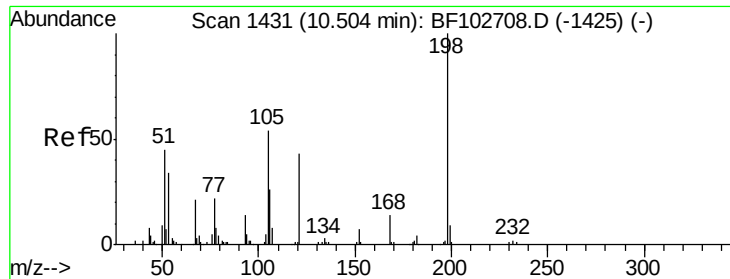
Tot Ion:165	Resp:	30800
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Tgt Ion:188	Resp:	344191
Ion Ratio	Lower	Upper
188	100	
94	11.5	8.5 12.7
80	12.2	9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.963 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

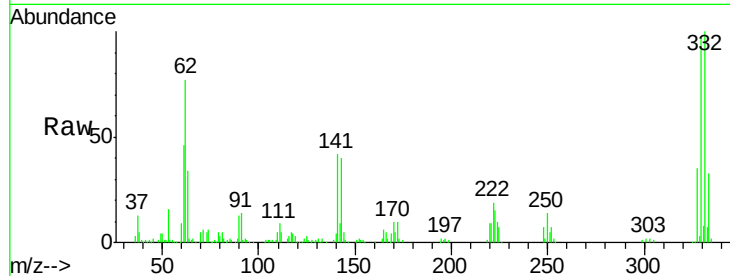
Tot Ion:198 Resp: 264

Ion Ratio Lower Upper

198 100

51 365.2 37.7 77.7#

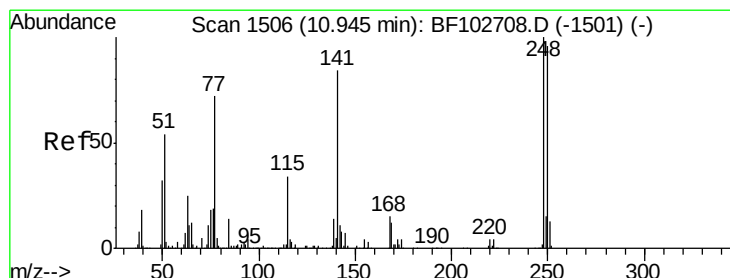
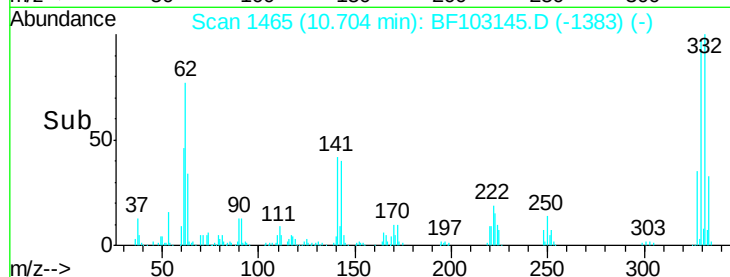
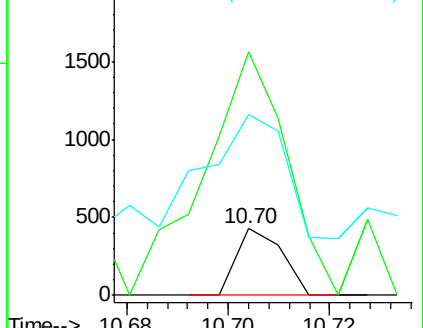
105 271.5 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.903 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

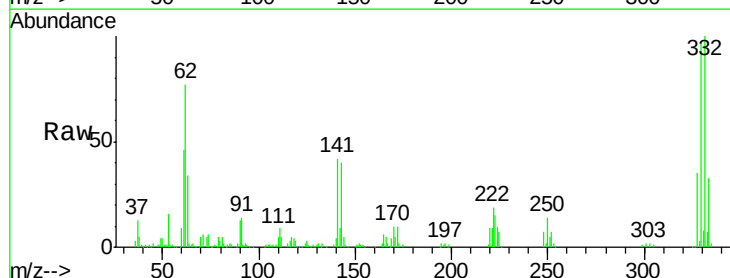
Tgt Ion:248 Resp: 14212

Ion Ratio Lower Upper

248 100

250 196.2 76.9 115.3#

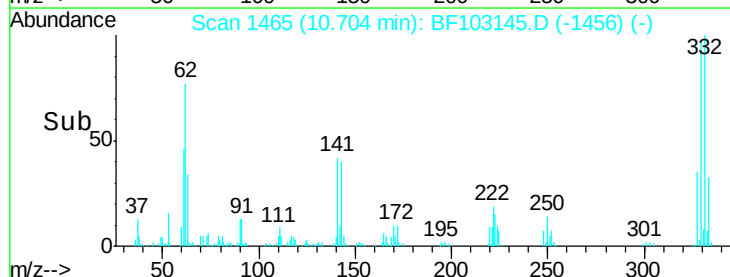
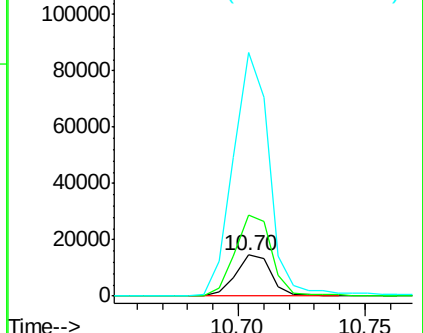
141 592.1 74.4 111.6#

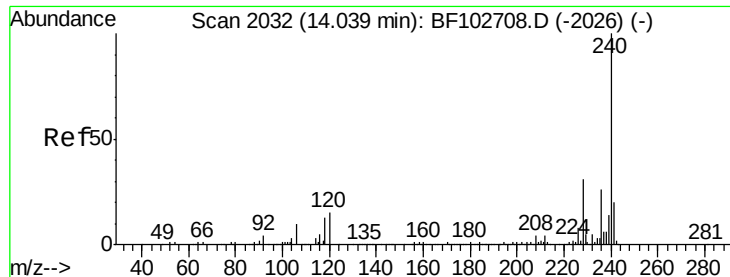


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

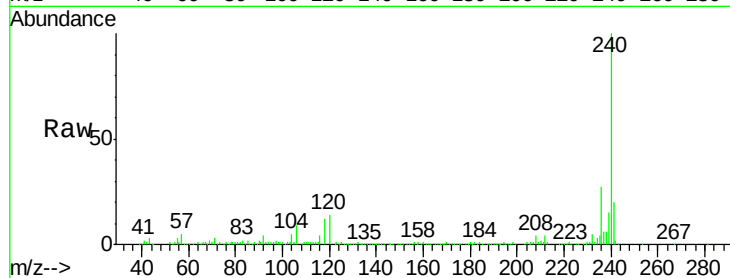
Tot Ion:240 Resp: 267886

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

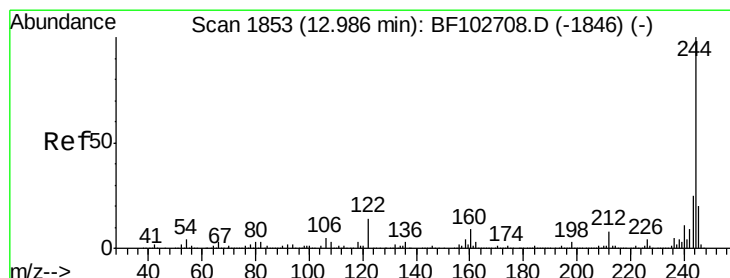
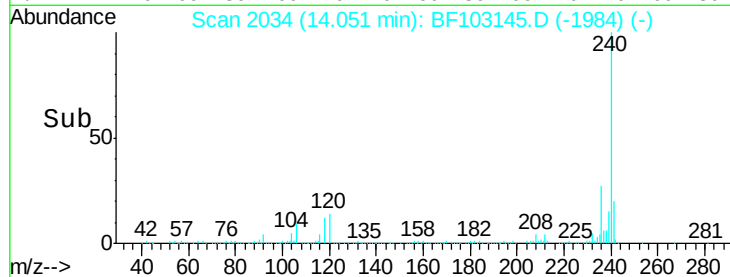
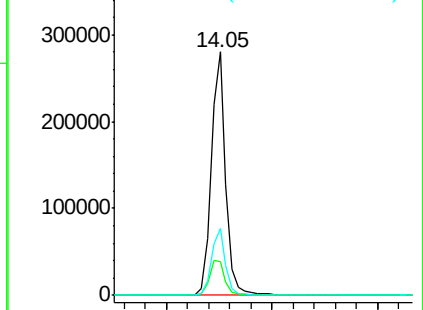
236 27.4 20.7 31.1



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

Terphenyl-d14

Concen: 84.615 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103145.D

Acq: 21 Feb 2018 19:12

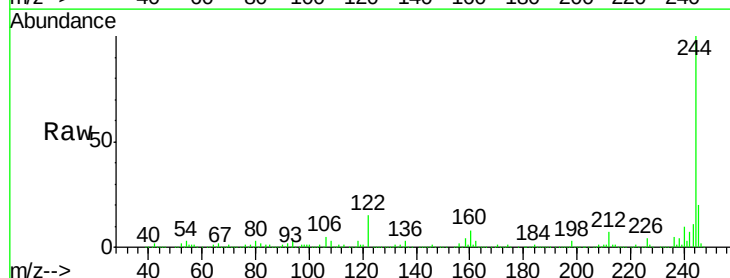
Tgt Ion:244 Resp: 957325

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

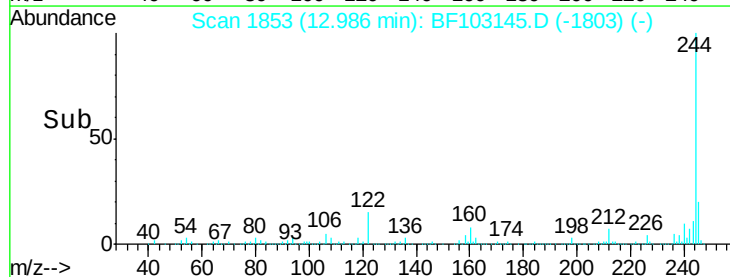
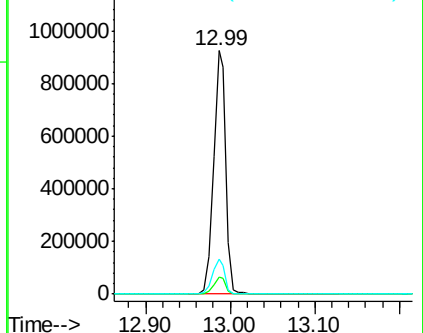
122 14.6 11.0 16.4

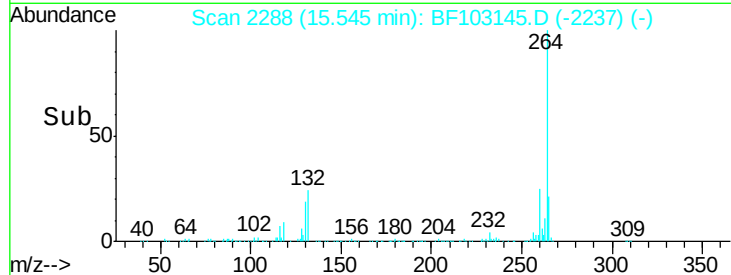
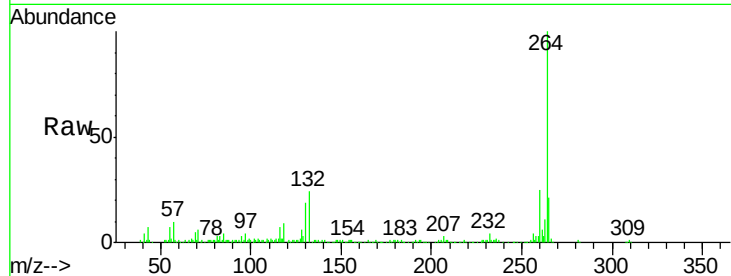
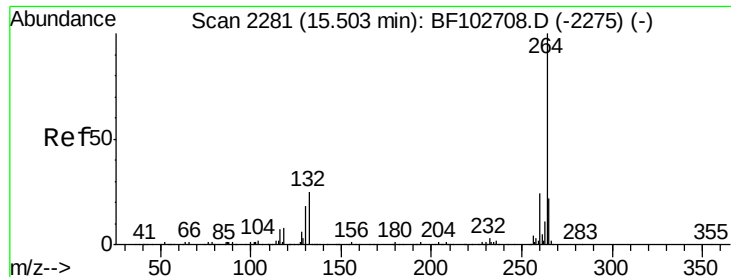


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103145.D
Acq: 21 Feb 2018 19:12

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

Tot Ion:	264	Resp:	206498
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.4	17.5	26.3

