

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103020.D
 Acq On : 15 Feb 2018 16:27
 Operator : SJ/JU
 Sample : J1539-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-SW-(4-6)

Quant Time: Feb 15 16:58:24 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	184216	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	780329	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	363016	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	643831	20.00	ng	0.00
75) Chrysene-d12	14.04	240	472450	20.00	ng	-0.01
86) Perylene-d12	15.52	264	381935	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1200239	98.95	ng	0.00
7) Phenol-d6	6.50	99	1468945	100.57	ng	0.00
23) Nitrobenzene-d5	7.44	82	936640	83.27	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	332665	113.85	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1373721	62.79	ng	0.00
78) Terphenyl-d14	12.99	244	1337521	67.03	ng	0.00

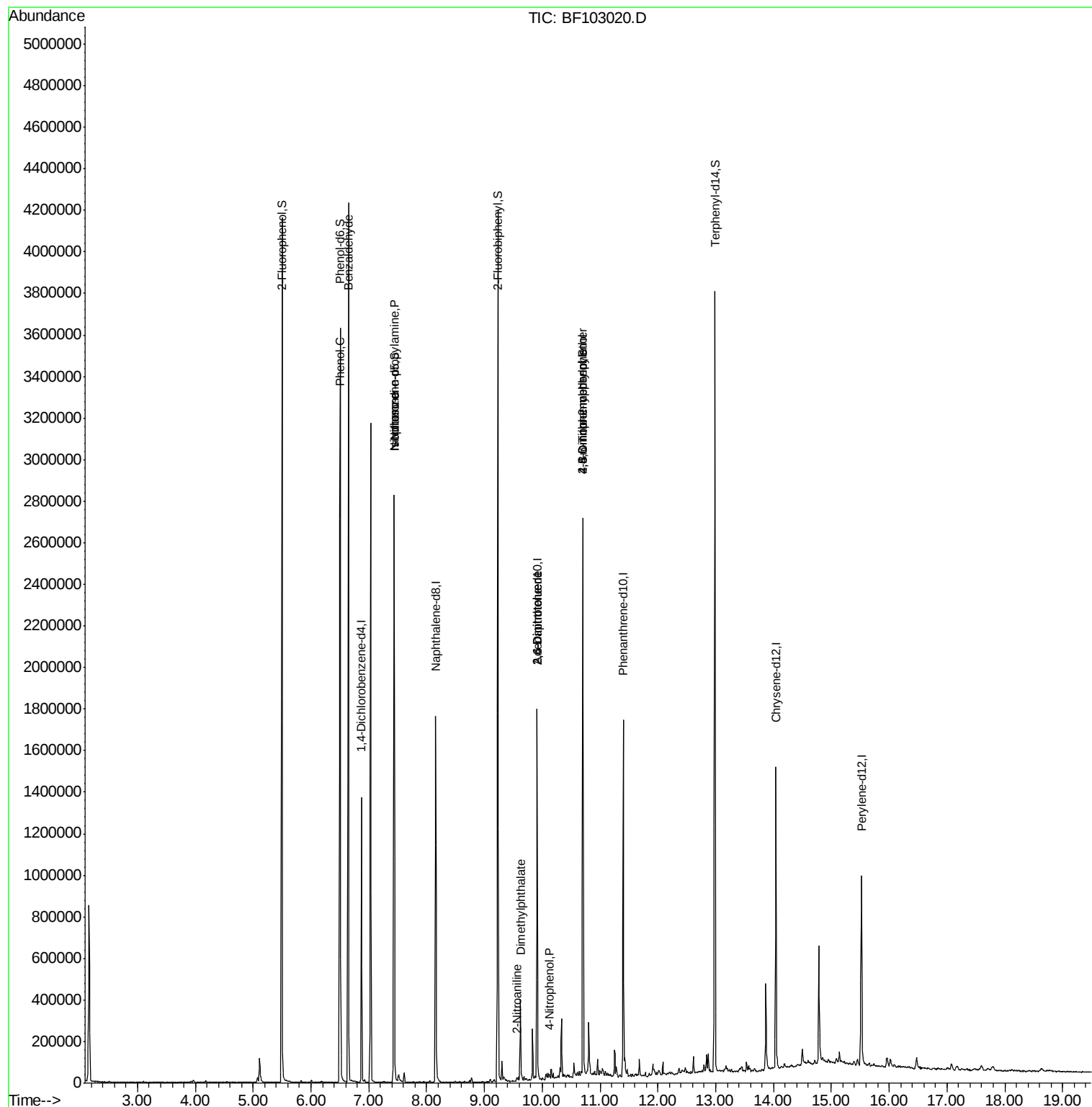
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	25765	2.375	ng	83
10) Phenol	6.52	94	63521	4.058	ng	95
19) n-Nitroso-di-n-propylamine	7.44	70	123967	12.873	ng	# 81
25) Isophorone	7.44	82	936626	36.160	ng	# 64
47) 2-Nitroaniline	9.57	65	116	3.487	ng	# 2
49) Dimethylphthalate	9.62	163	130244	4.601	ng	98
50) 2,6-Dinitrotoluene	9.91	165	46756	8.682	ng	# 25
55) 4-Nitrophenol	10.12	139	382	4.091	ng	# 38
56) 2,4-Dinitrotoluene	9.91	165	46756	9.135	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	701	9.034	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	21176	3.109	ng	# 1

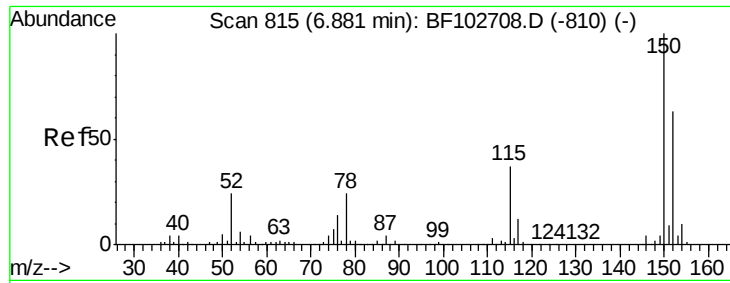
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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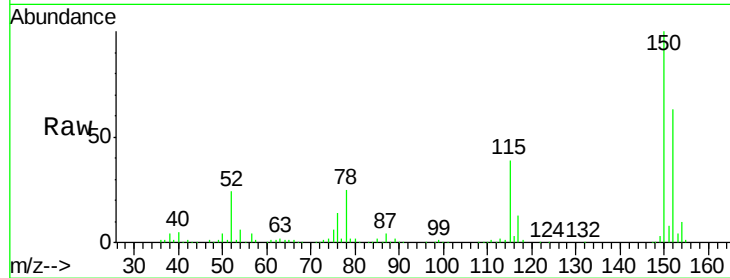


#1

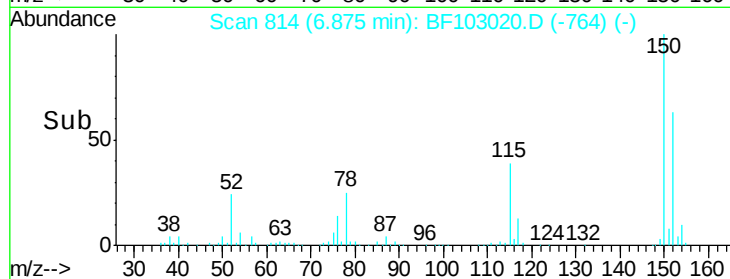
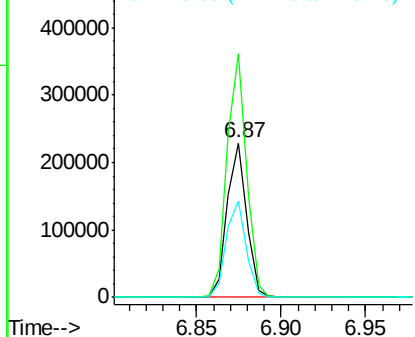
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103020.D
Acq: 15 Feb 2018 16:27

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(4-6)

Tgt Ion:152 Resp: 184216
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 62.2 50.1 75.1



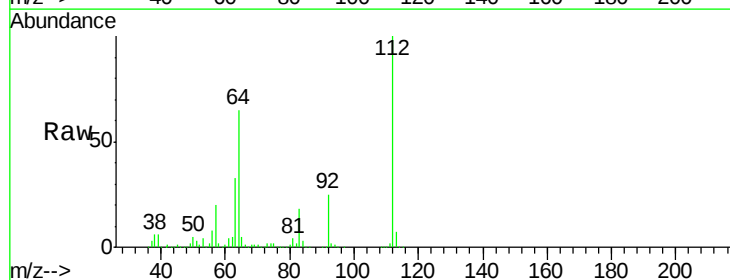
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



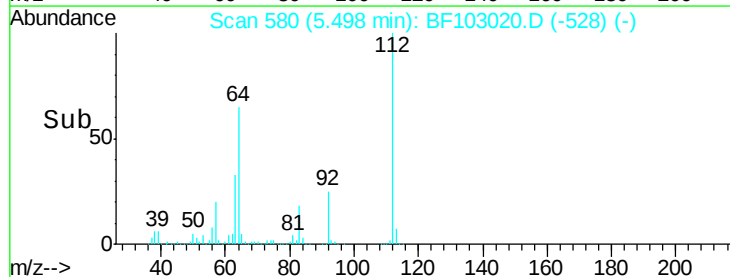
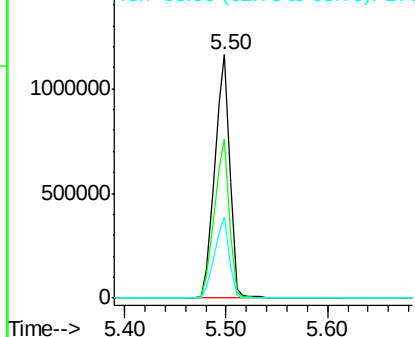
#5

2-Fluorophenol
Concen: 98.947 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103020.D
Acq: 15 Feb 2018 16:27

Tgt Ion:112 Resp: 1200239
Ion Ratio Lower Upper
112 100
64 65.3 47.9 71.9
63 33.3 23.7 35.5



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: 100.575 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(4-6)

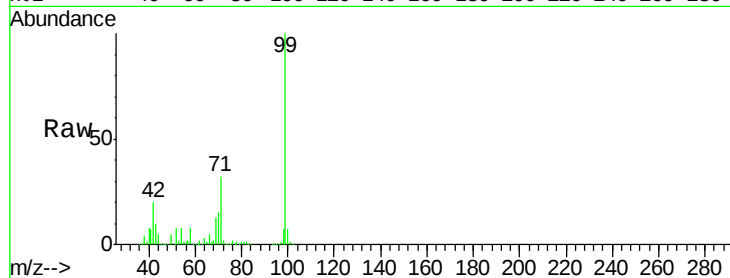
Tgt Ion: 99 Resp: 1468945

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

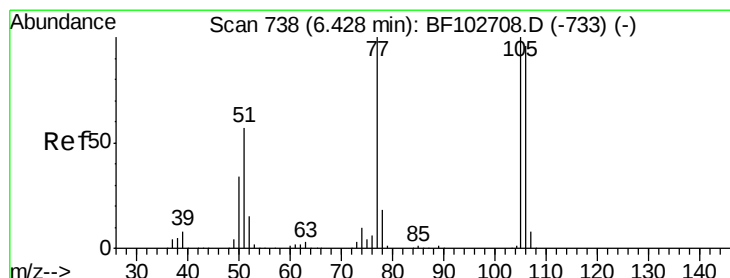
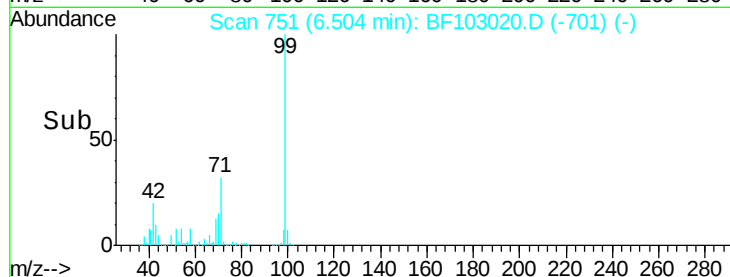
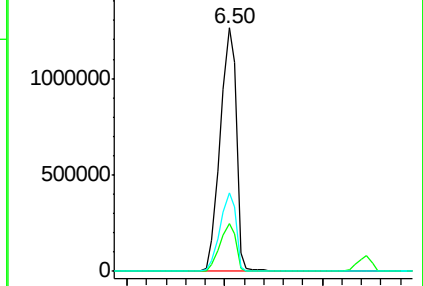
71 32.5 25.4 38.0



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: 2.375 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

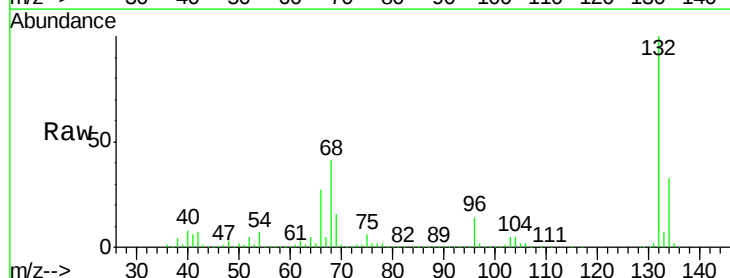
Tgt Ion: 77 Resp: 25765

Ion Ratio Lower Upper

77 100

105 84.6 81.1 121.1

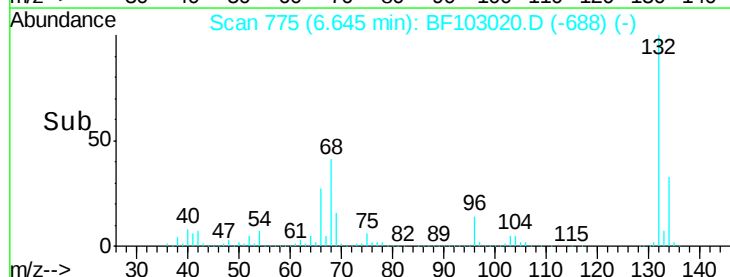
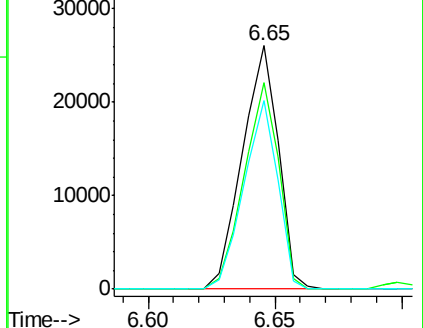
106 77.5 74.5 114.5

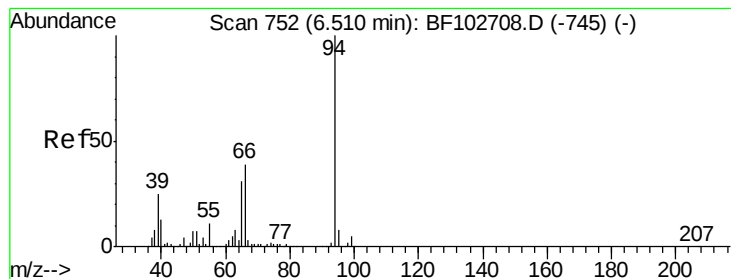


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 4.058 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(4-6)

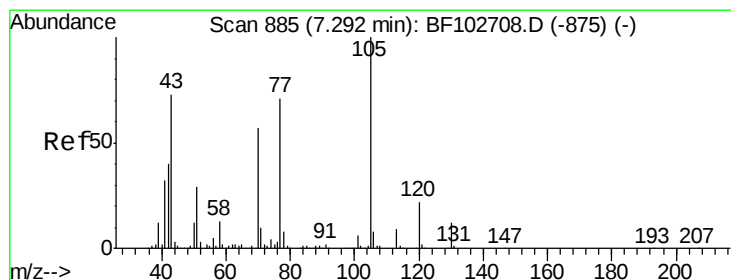
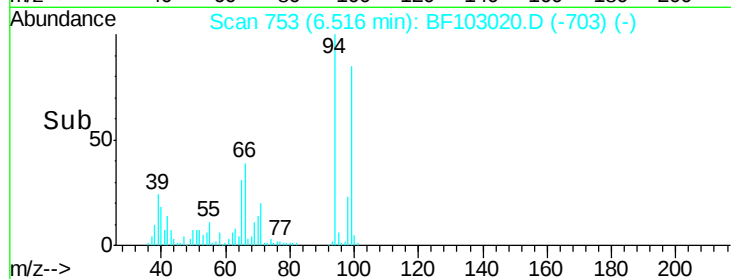
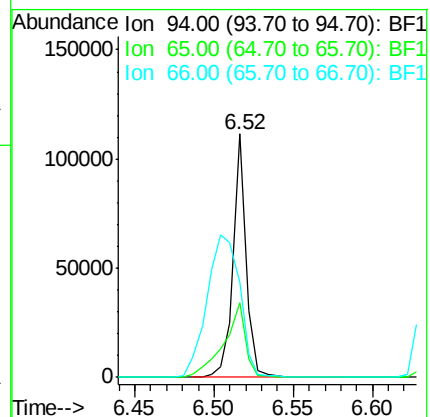
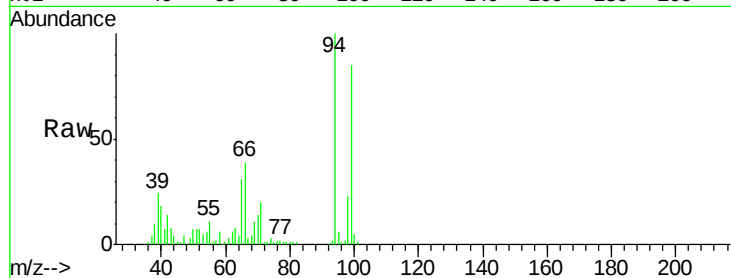
Tgt Ion: 94 Resp: 63521

Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 39.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.873 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Tgt Ion: 70 Resp: 123967

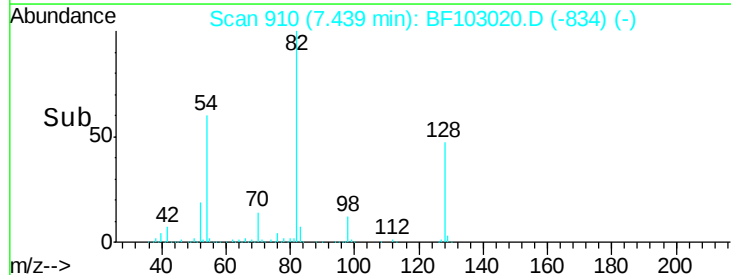
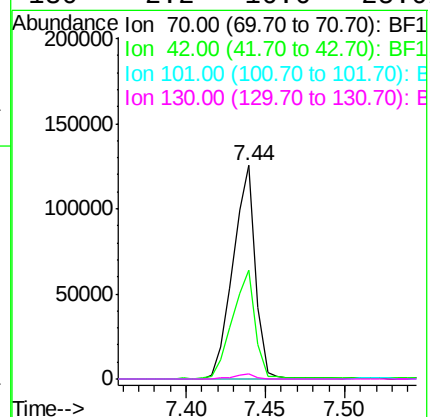
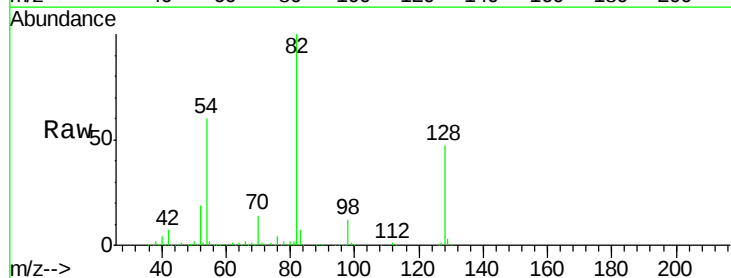
Ion Ratio Lower Upper

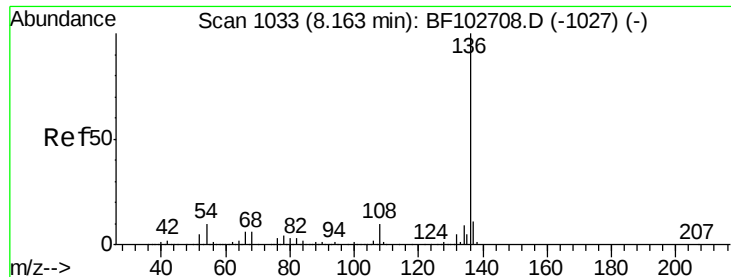
70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

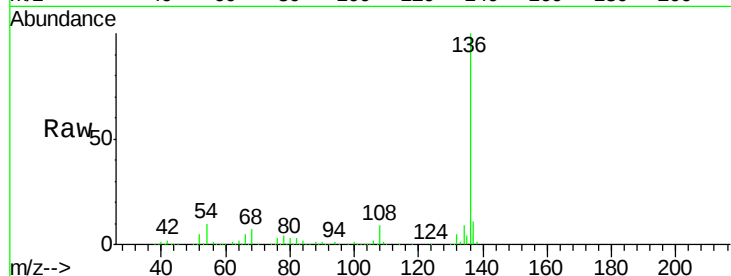




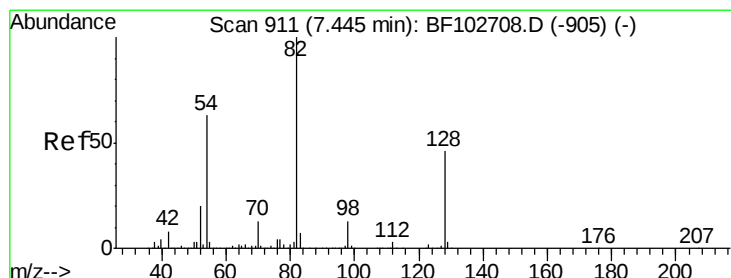
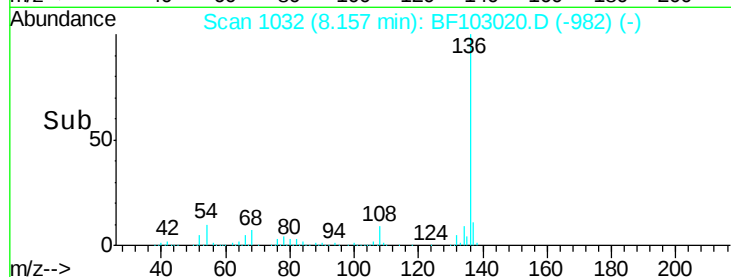
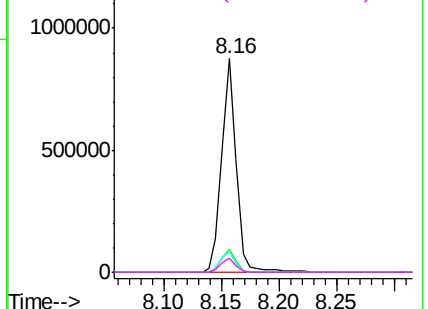
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103020.D
Acq: 15 Feb 2018 16:27

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(4-6)

Tgt Ion:	136	Resp:	780329
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.8	6.6	9.8
68	6.6	5.0	7.4

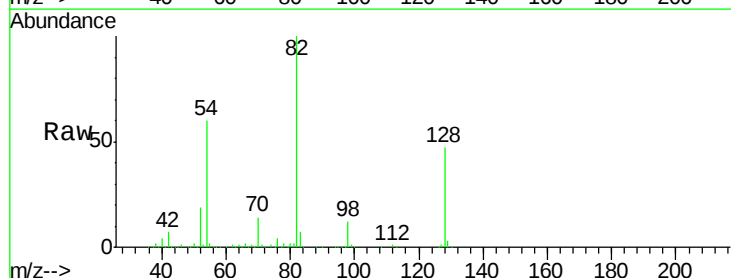


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

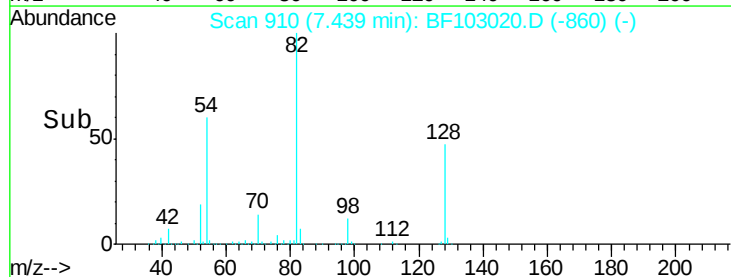
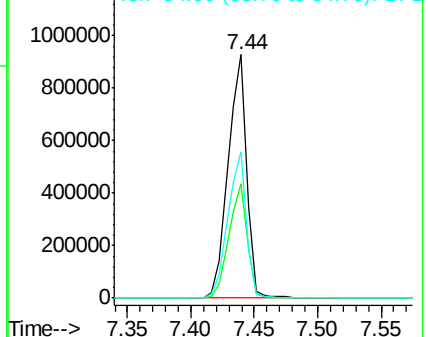


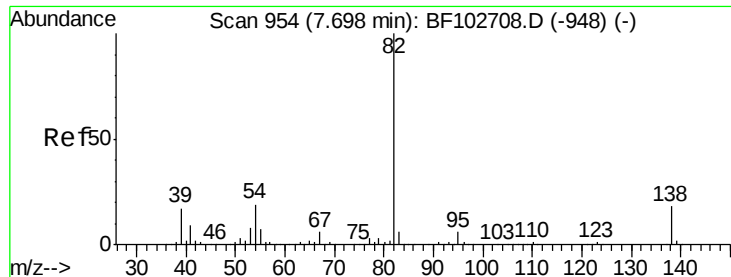
#23
Nitrobenzene-d5
Concen: 83.267 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103020.D
Acq: 15 Feb 2018 16:27

Tgt Ion:	82	Resp:	936640
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	60.2	41.4	62.2



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: 36.160 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(4-6)

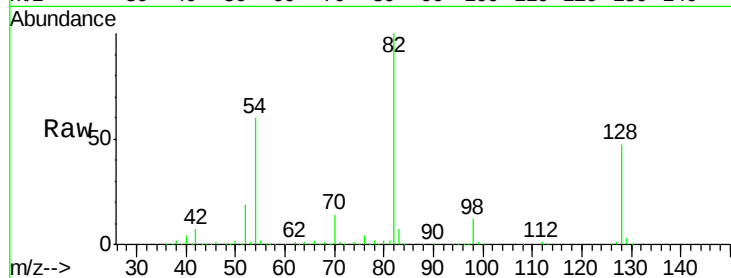
Tgt Ion: 82 Resp: 936626

Ion Ratio Lower Upper

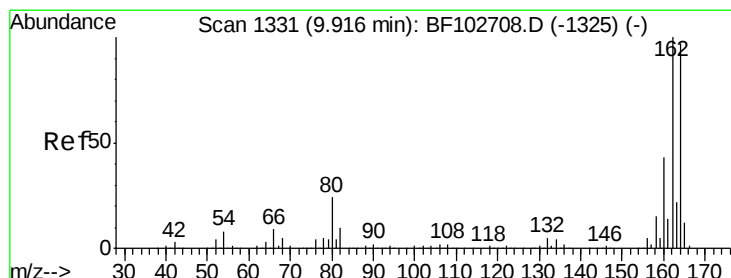
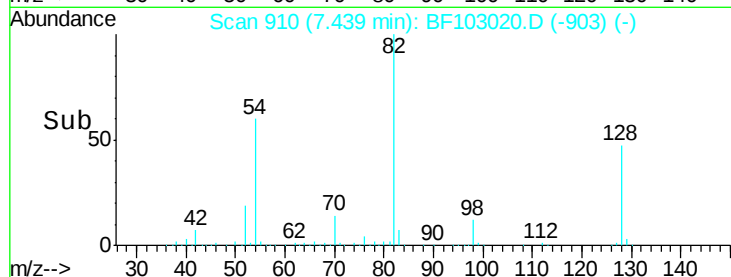
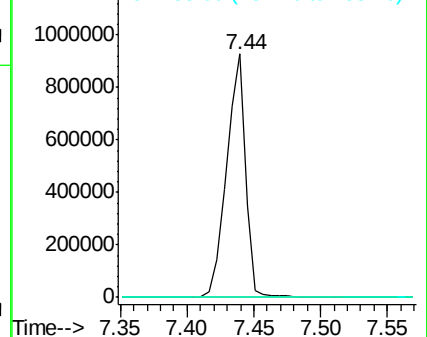
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

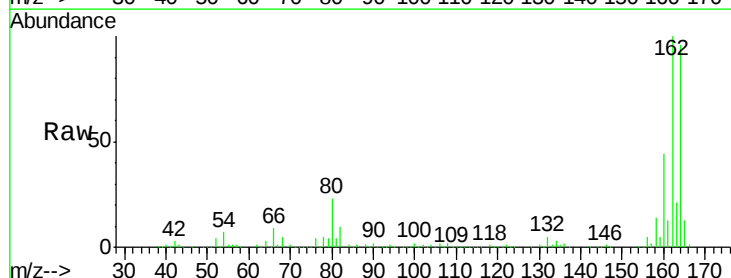
Tgt Ion: 164 Resp: 363016

Ion Ratio Lower Upper

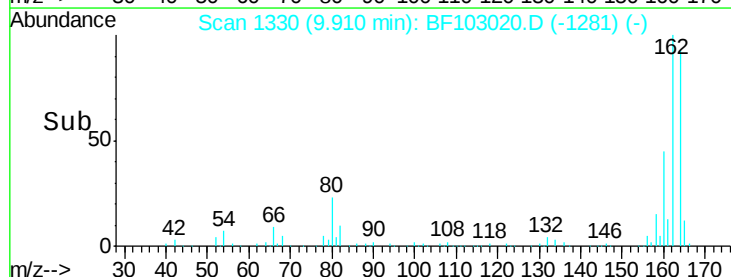
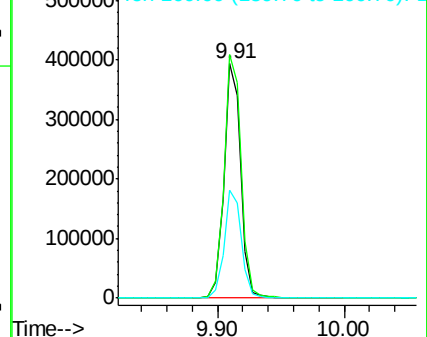
164 100

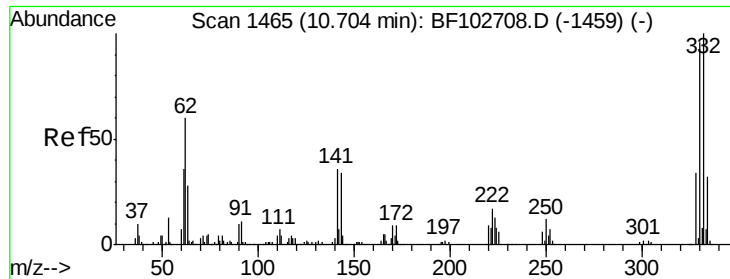
162 103.8 86.1 129.1

160 46.2 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

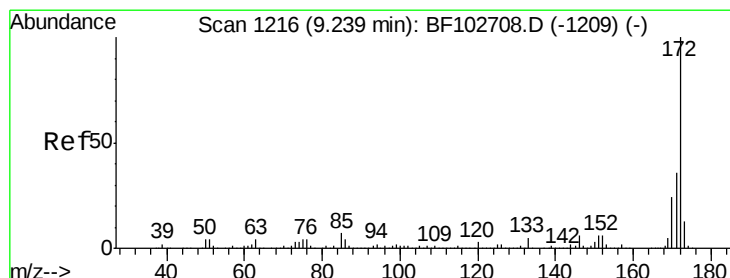
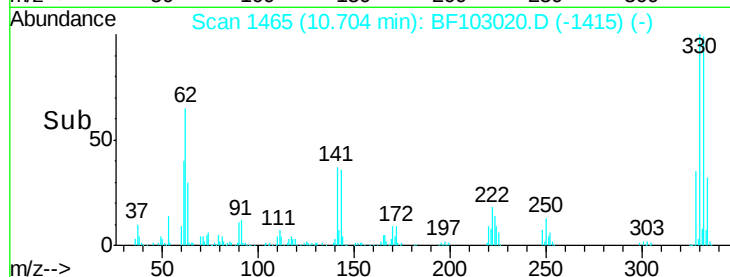
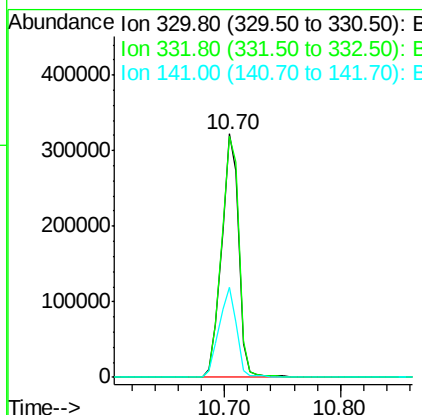
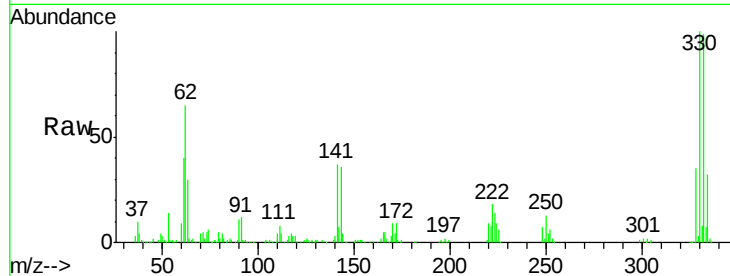




#41
 2,4,6-Tribromophenol
 Concen: 113.854 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

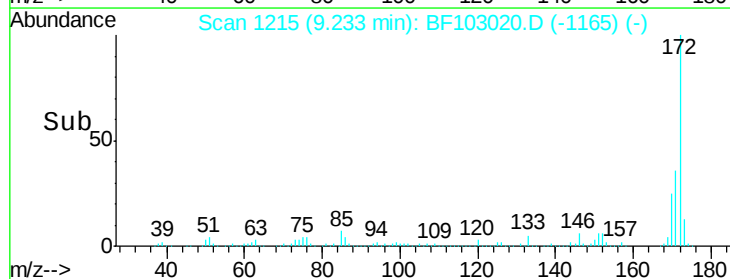
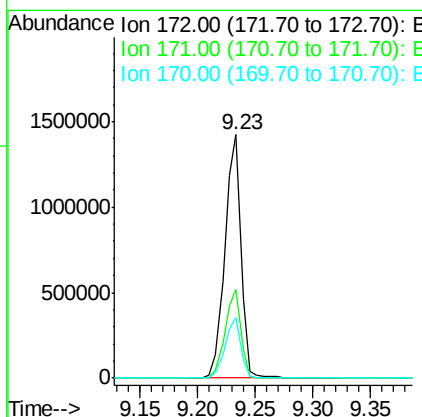
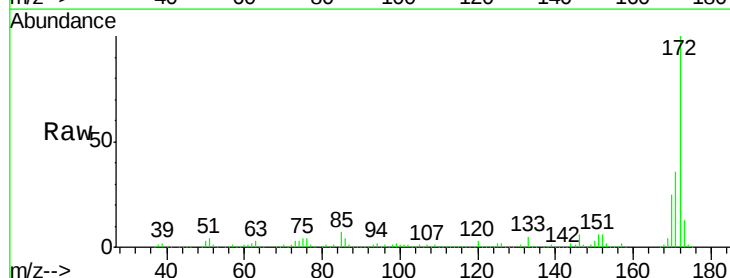
Instrument :
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 4-15-TRENCH-2-SW-(4-6)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.4	77.0	115.6
141	38.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 62.793 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.7	19.6	29.4





#47

2-Nitroaniline

Concen: 3.487 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.11 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(4-6)

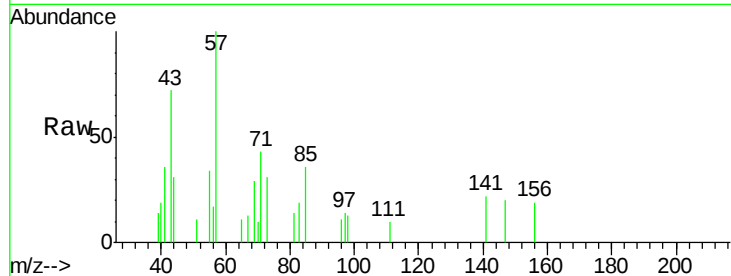
Tgt Ion: 65 Resp: 116

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

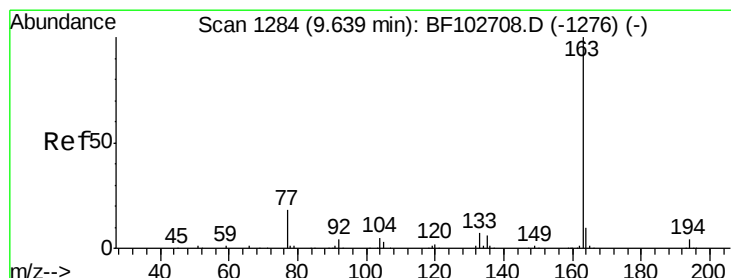
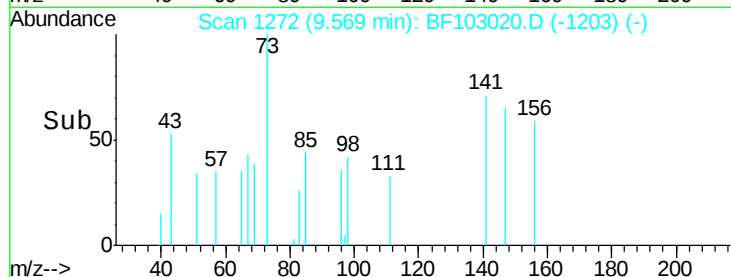
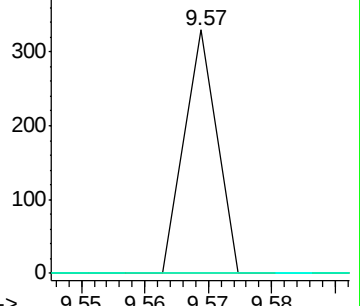
138 0.0 91.2 136.8#



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



#49

Dimethylphthalate

Concen: 4.601 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

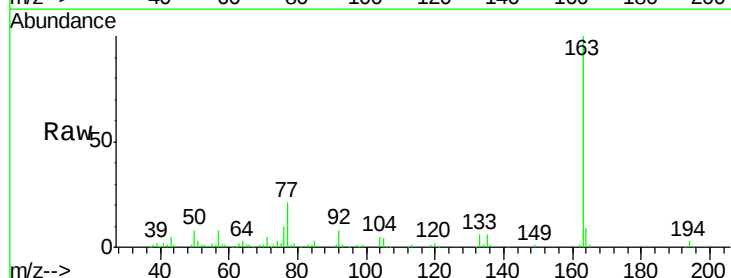
Tgt Ion: 163 Resp: 130244

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

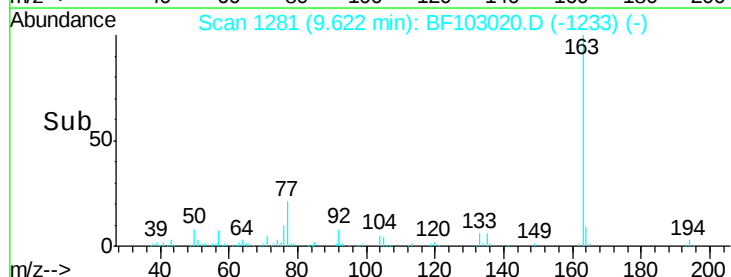
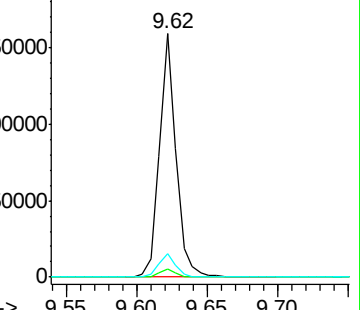
164 9.4 8.2 12.2

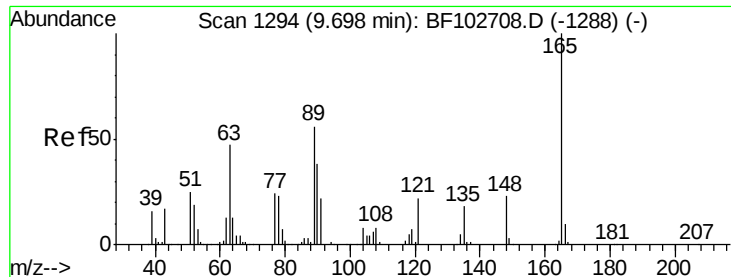


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

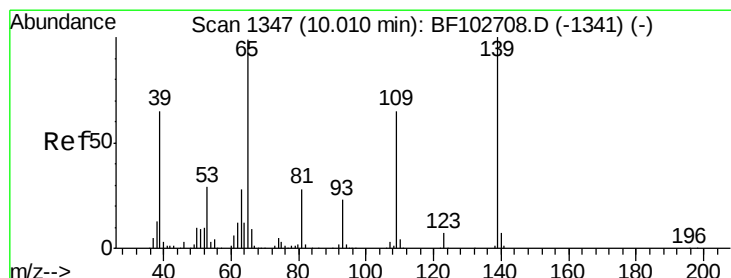
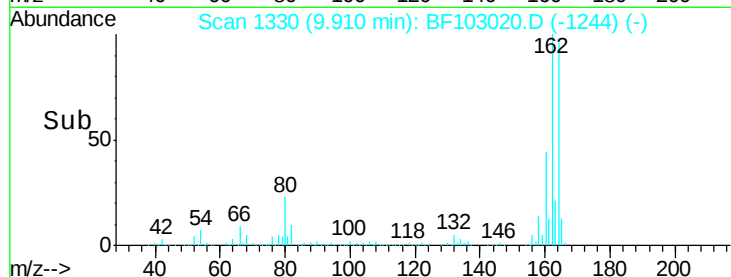
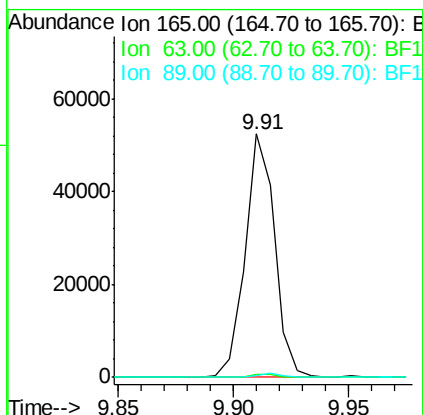
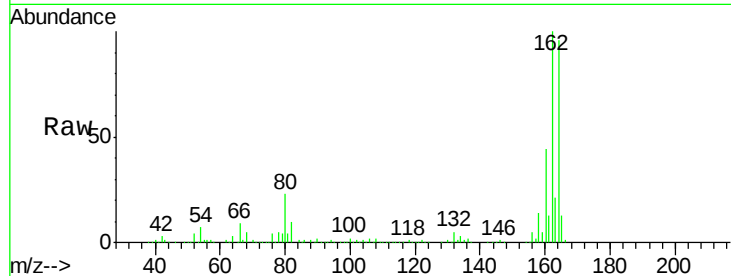




#50
 2,6-Dinitrotoluene
 Concen: 8.682 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

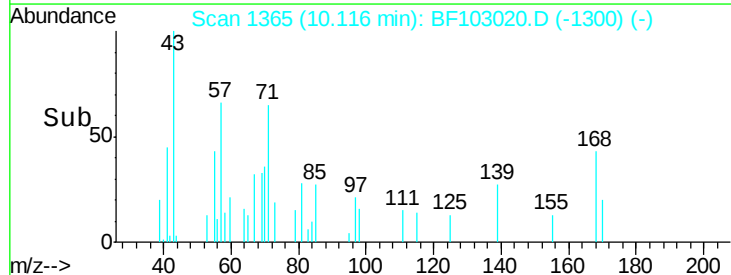
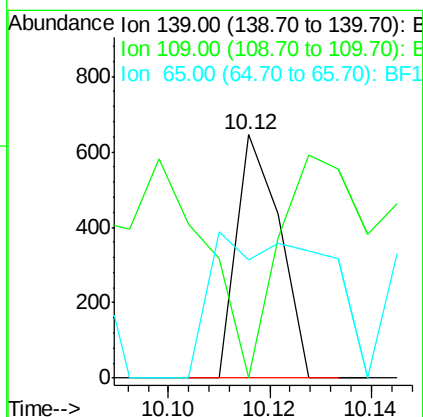
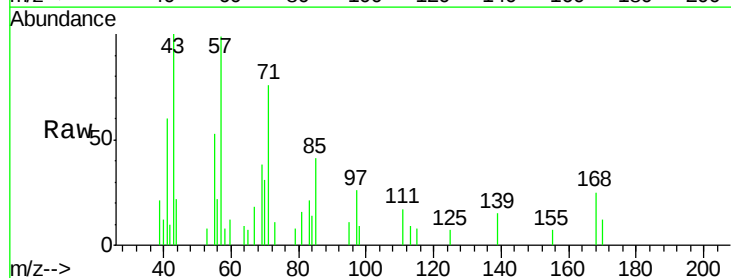
Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-SW-(4-6)

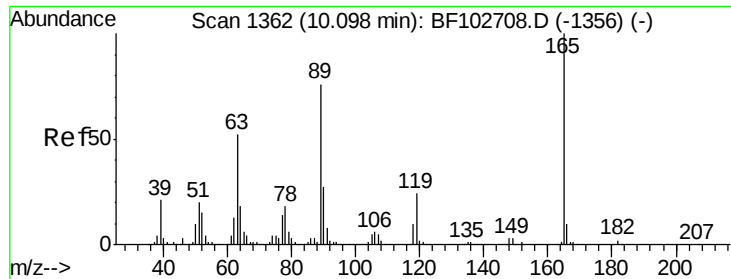
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	0.7	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.091 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.08 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	48.5	72.6	112.6#

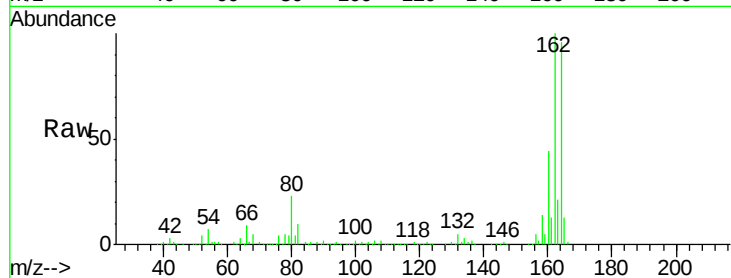




#56
 2,4-Dinitrotoluene
 Concen: 9.135 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-SW-(4-6)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	0.7	57.8	86.6#
182	0.0	1.6	2.4#

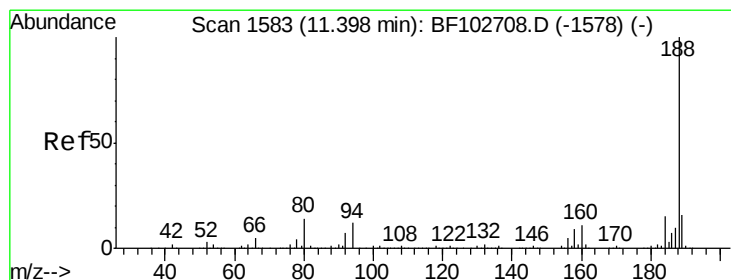
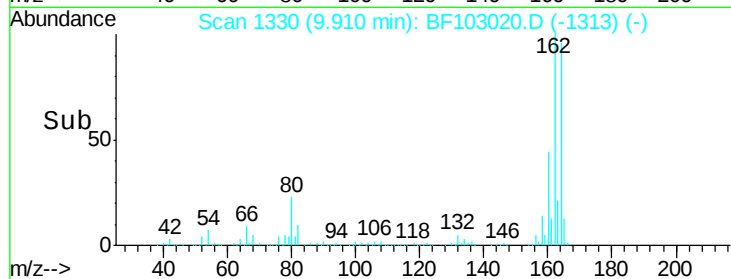
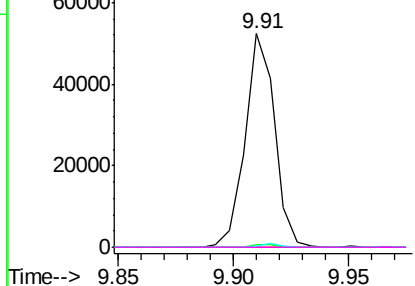


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

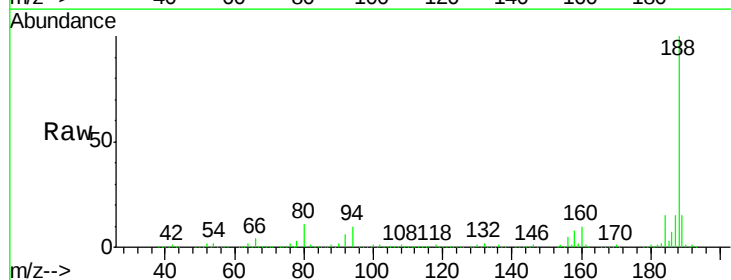
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

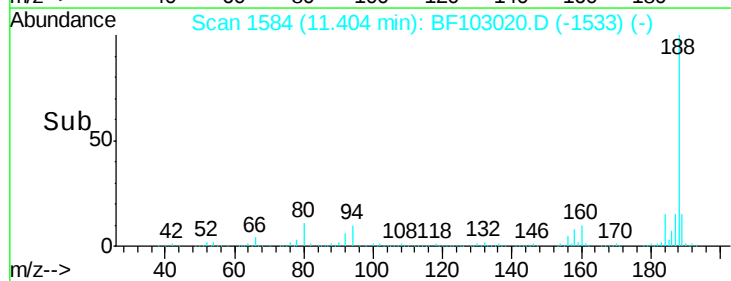
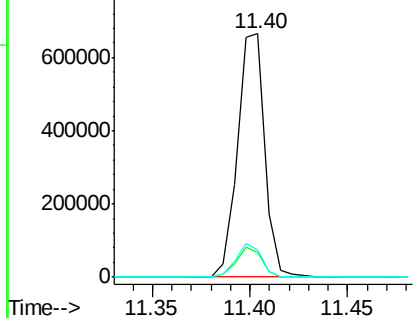
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8

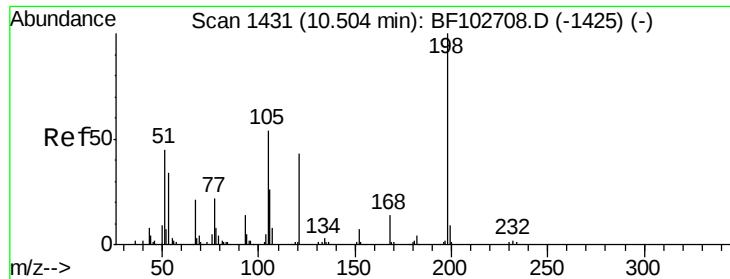


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

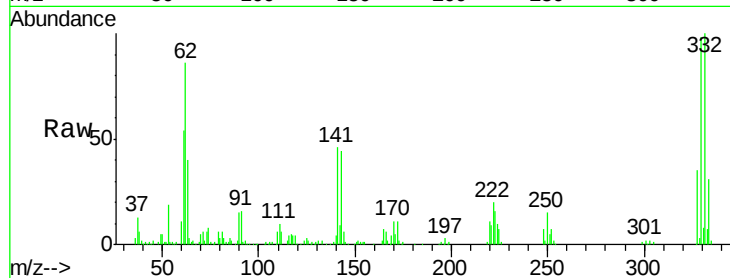




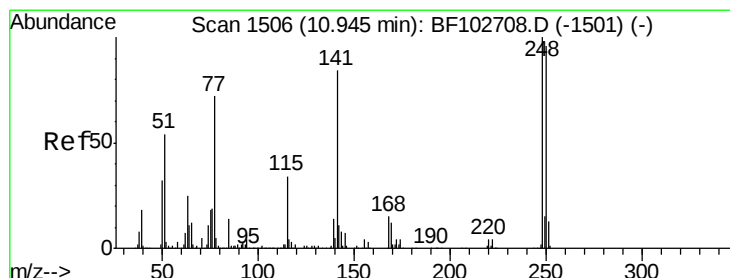
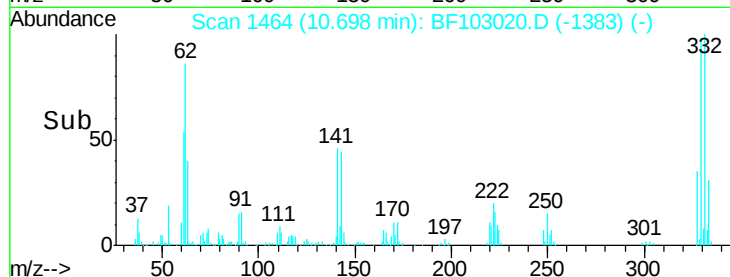
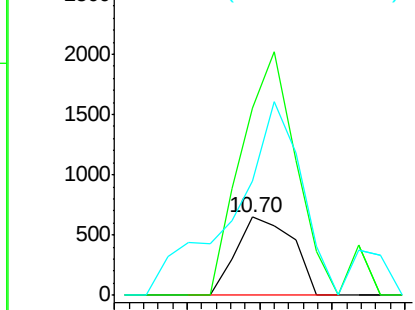
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.034 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-SW-(4-6)

Tgt Ion:198 Resp: 701
 Ion Ratio Lower Upper
 198 100
 51 238.7 37.7 77.7#
 105 145.5 36.3 76.3#

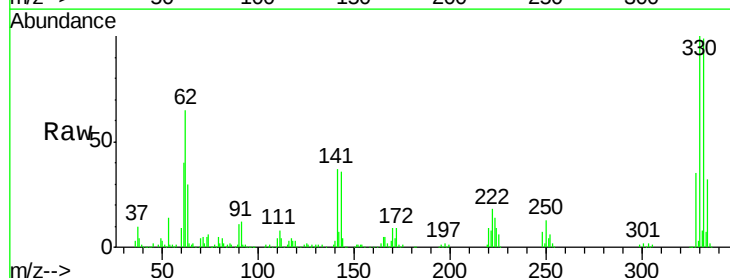


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

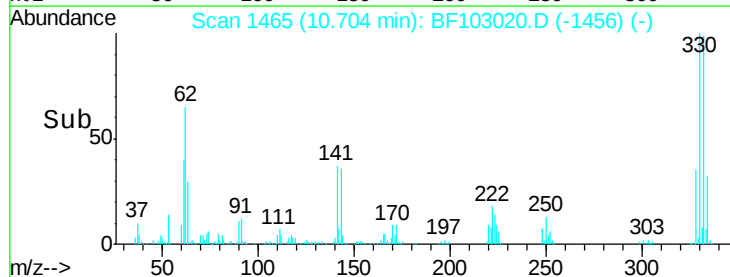
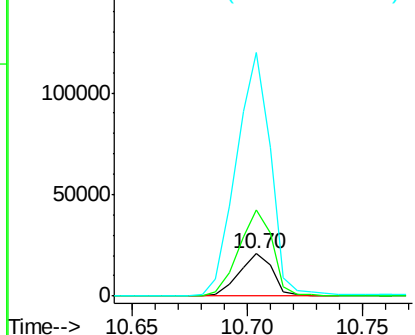


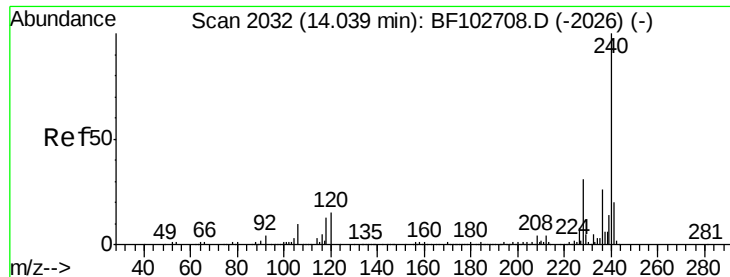
#66
 4-Bromophenyl-phenylether
 Concen: 3.109 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103020.D
 Acq: 15 Feb 2018 16:27

Tgt Ion:248 Resp: 21176
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 571.8 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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(4-6)

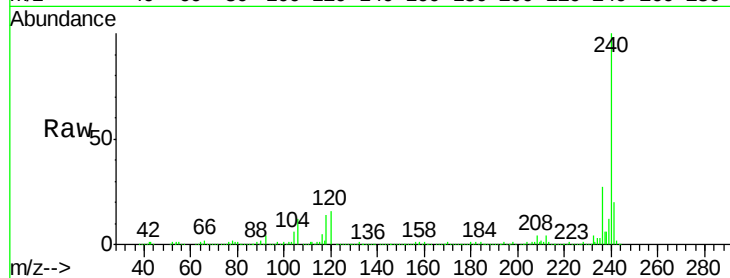
Tgt Ion:240 Resp: 472450

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

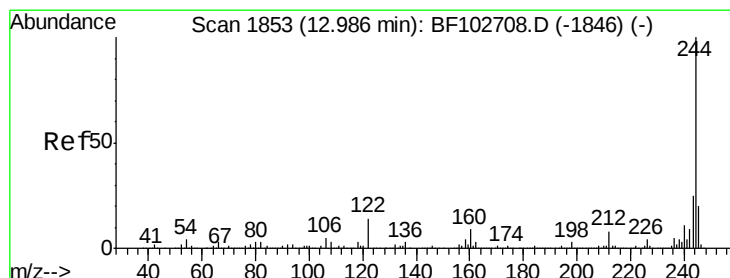
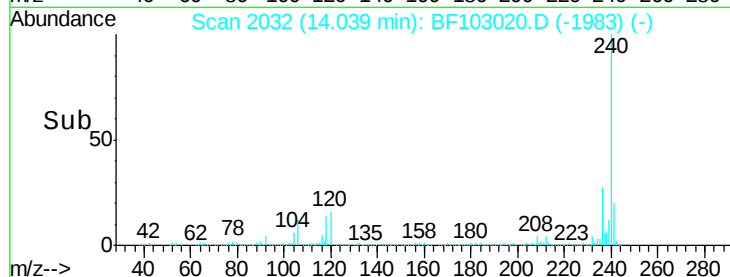
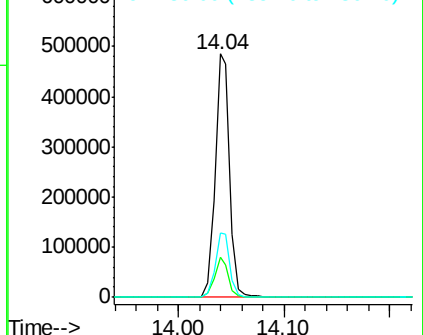
236 26.5 20.7 31.1



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: 67.032 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103020.D

Acq: 15 Feb 2018 16:27

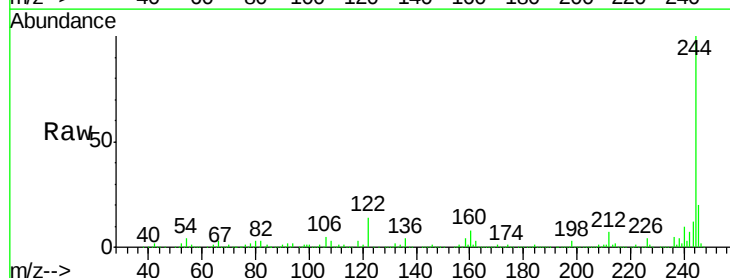
Tgt Ion:244 Resp: 1337521

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

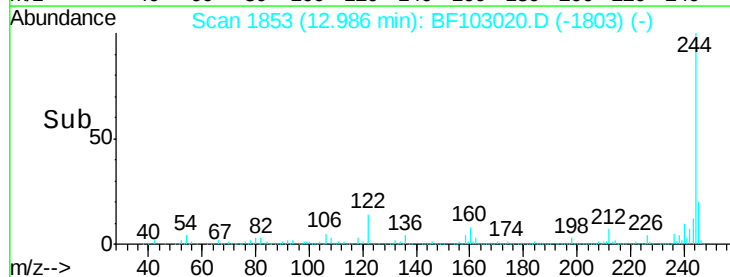
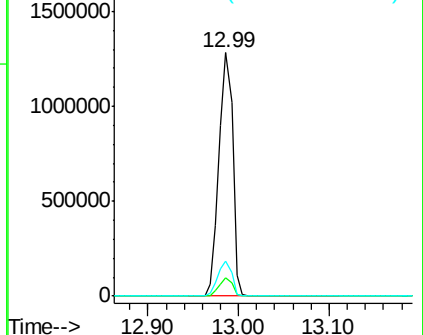
122 14.2 11.0 16.4

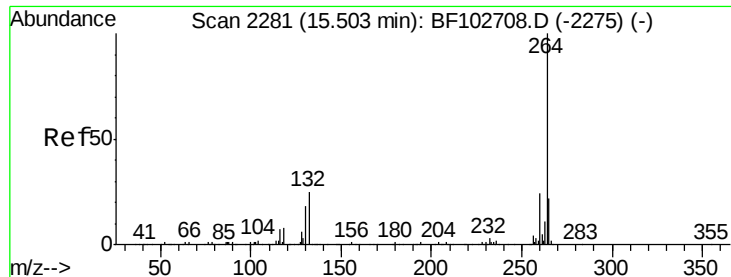


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF103020.D
Acq: 15 Feb 2018 16:27

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(4-6)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.6	17.5	26.3

