

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033885.D
 Acq On : 20 Apr 2018 14:24
 Operator : SJ/JU
 Sample : J2448-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(0-5)

Quant Time: Apr 21 05:13:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

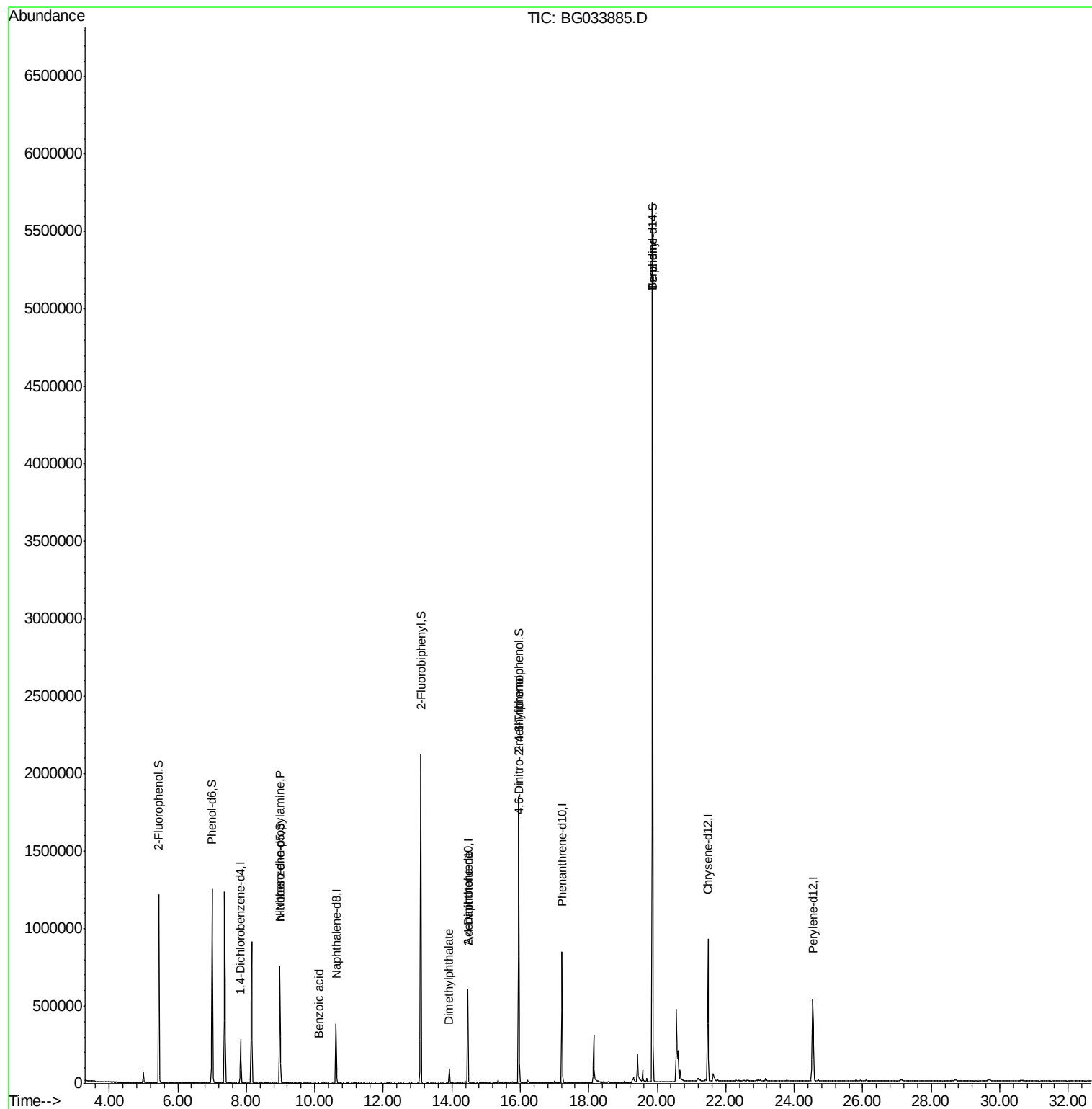
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	76530	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	327316	20.00	ng	0.00
38) Acenaphthene-d10	14.47	164	209135	20.00	ng	0.00
63) Phenanthrene-d10	17.22	188	516730	20.00	ng	0.00
75) Chrysene-d12	21.48	240	540317	20.00	ng	-0.01
86) Perylene-d12	24.54	264	543288	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	513955	107.22	ng	0.00
7) Phenol-d6	7.00	99	695403	99.46	ng	0.00
23) Nitrobenzene-d5	8.98	82	444750	77.33	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	331290	135.78	ng	0.00
44) 2-Fluorobiphenyl	13.09	172	1099531	77.23	ng	0.00
78) Terphenyl-d14	19.86	244	2557898	106.36	ng	0.00
Target Compounds						
9) Benzaldehyde	7.00	77	1347	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.99	70	62394	10.469 ng	#	76
32) Benzoic acid	10.11	122	54	5.094 ng	#	1
49) Dimethylphthalate	13.93	163	58905	3.202 ng	#	98
56) 2,4-Dinitrotoluene	14.47	165	27131	5.852 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	1528	7.020 ng	#	71
76) Benzydine	19.86	184	45761	3.136 ng	#	93

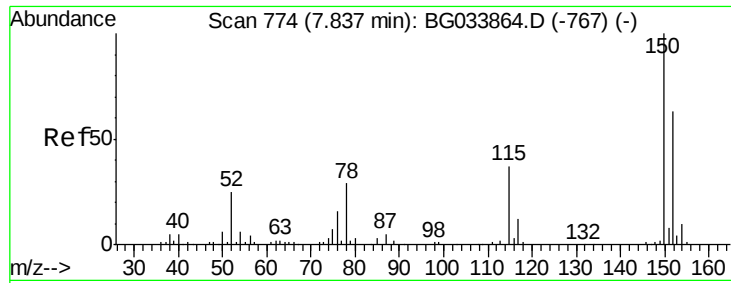
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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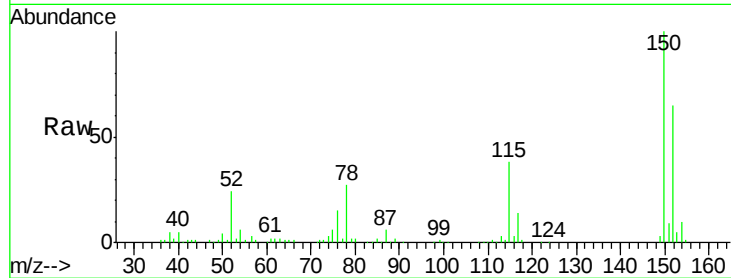


#1

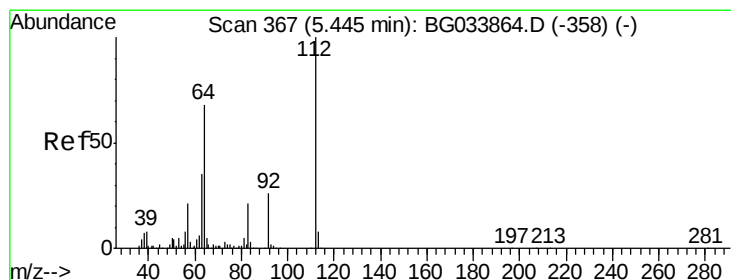
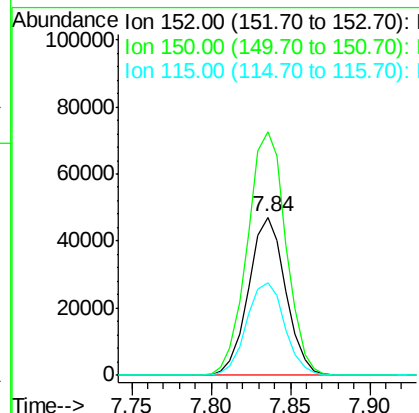
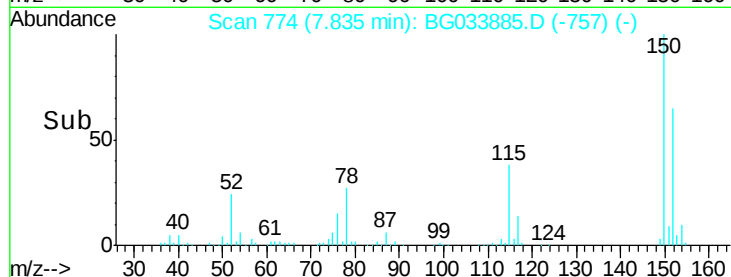
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.84 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BG033885.D
 Acq: 20 Apr 2018 14:24

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.6	189.8
115	58.8	53.0	79.4



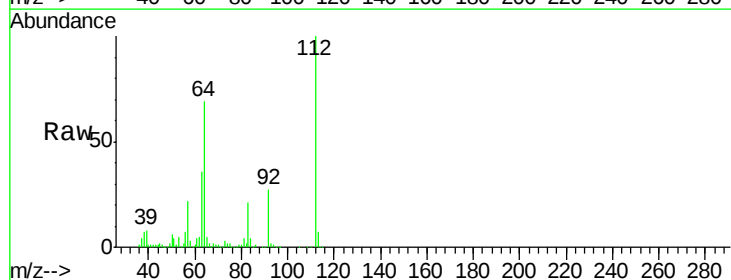
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



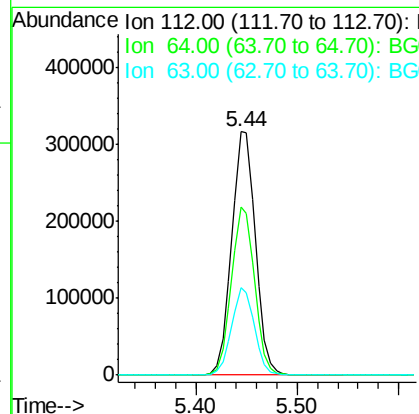
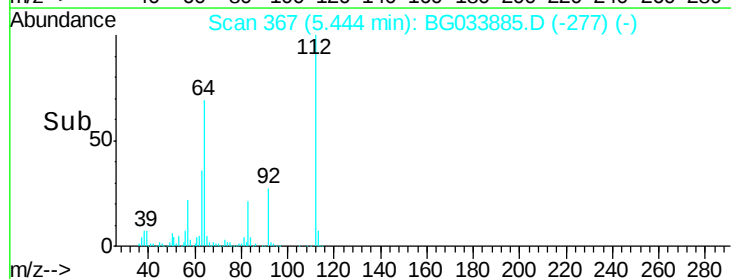
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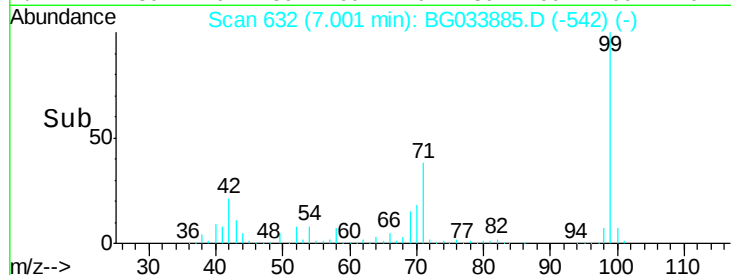
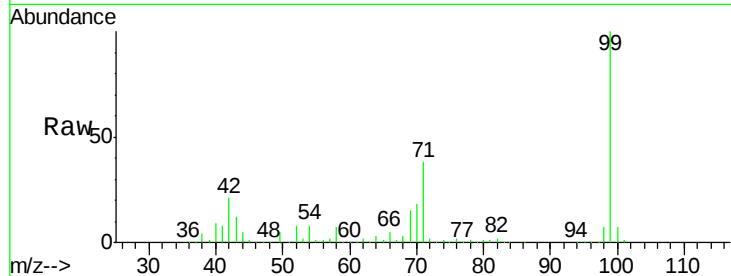
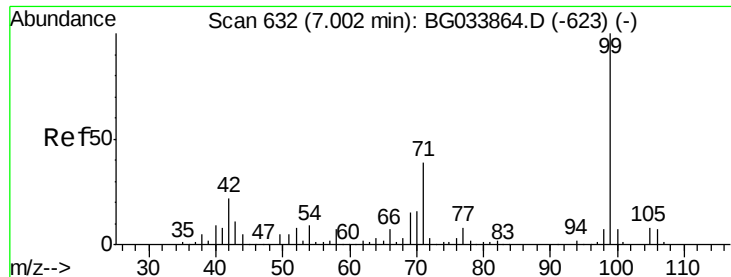
2-Fluorophenol
 Concen: 107.219 ng
 RT: 5.44 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BG033885.D
 Acq: 20 Apr 2018 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	56.3	84.5
63	35.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 99.462 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(0-5)

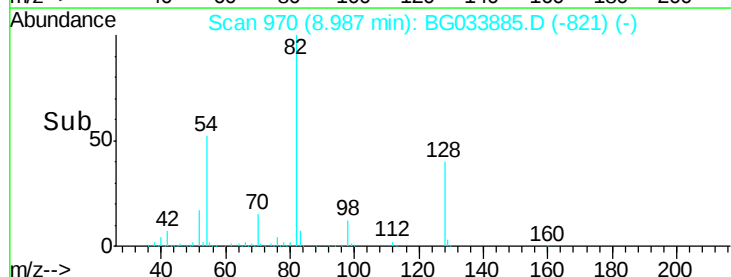
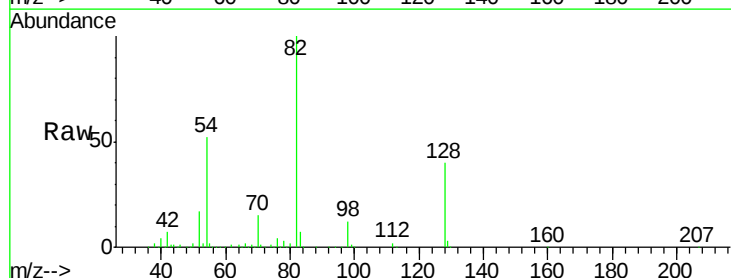
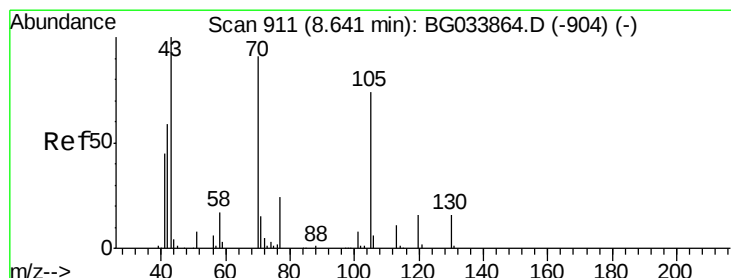
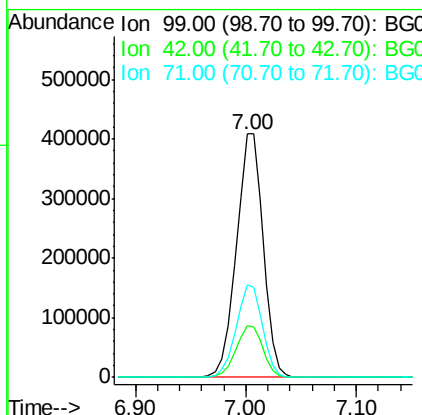
Tot Ion: 99 Resp: 695403

Ion Ratio Lower Upper

99 100

42 21.5 14.1 21.1#

71 37.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 10.469 ng

RT: 8.99 min Scan# 970

Delta R.T. 0.35 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Tgt Ion: 70 Resp: 62394

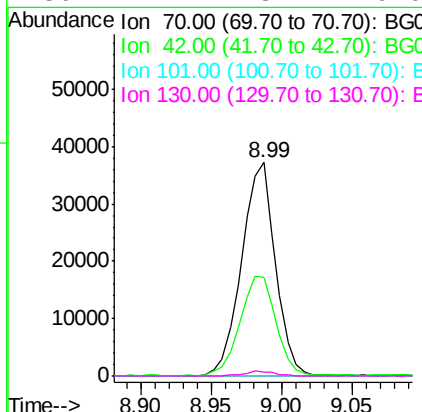
Ion Ratio Lower Upper

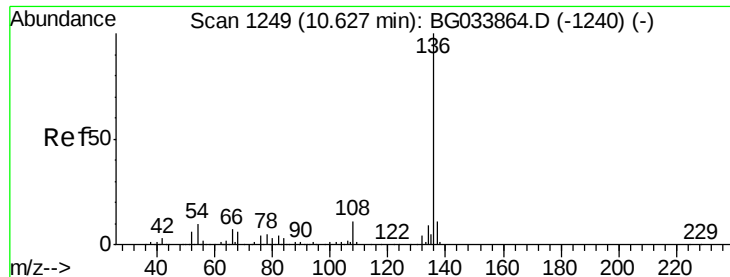
70 100

42 46.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

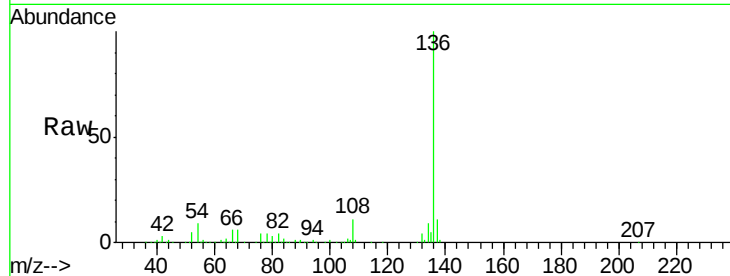




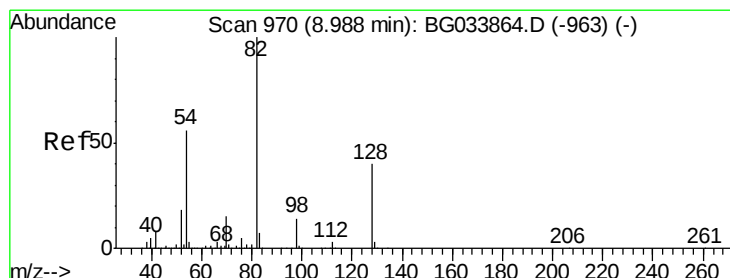
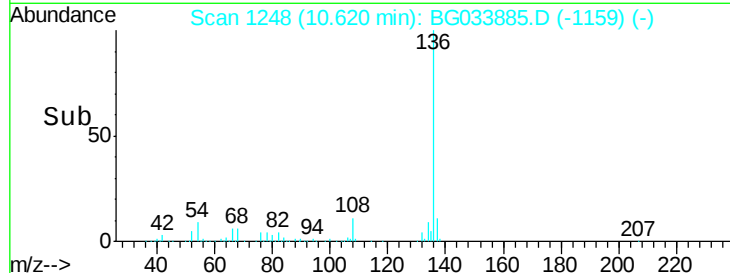
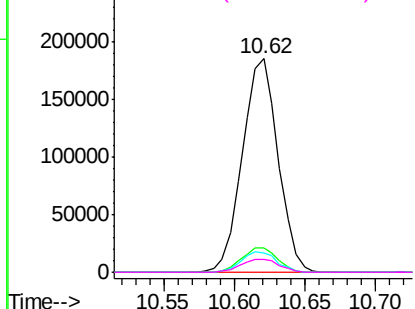
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BG033885.D
Acq: 20 Apr 2018 14:24

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(0-5)

Tot Ion:136	Resp:	327316
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.2 13.8
54	9.3	10.3 15.5#
68	6.1	4.5 6.7

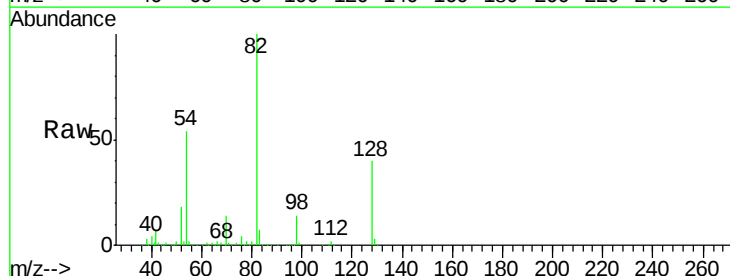


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

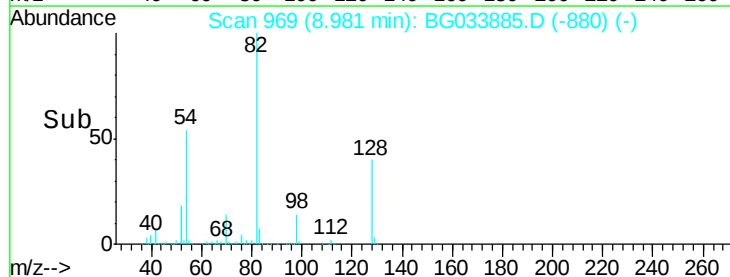
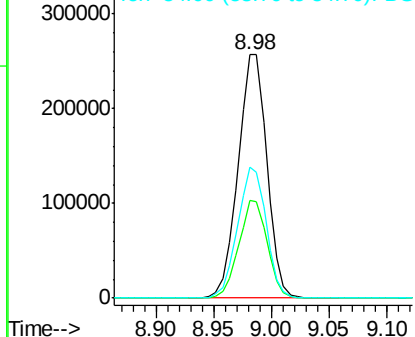


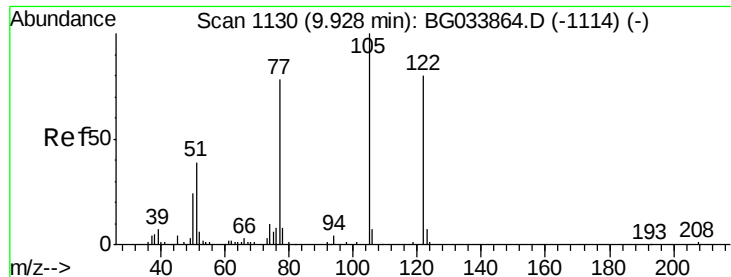
#23
Nitrobenzene-d5
Concen: 77.328 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033885.D
Acq: 20 Apr 2018 14:24

Tgt Ion: 82	Resp:	444750
Ion	Ratio	Lower Upper
82	100	
128	40.4	29.7 44.5
54	53.8	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.094 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.18 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(0-5)

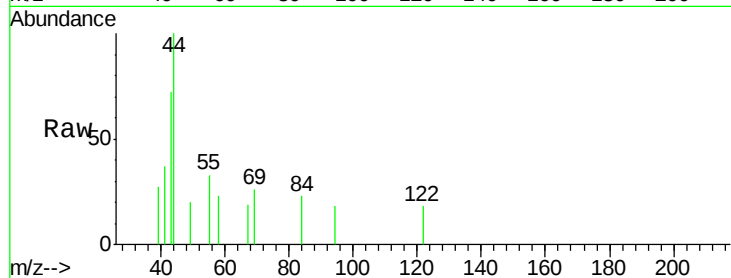
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

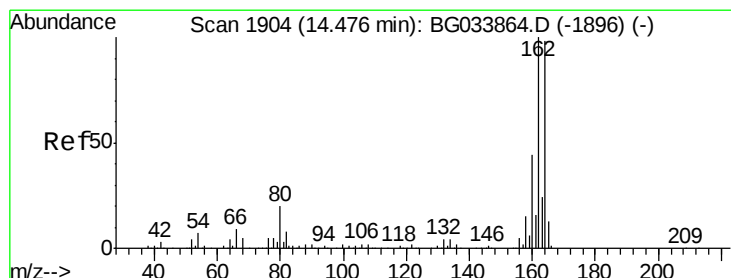
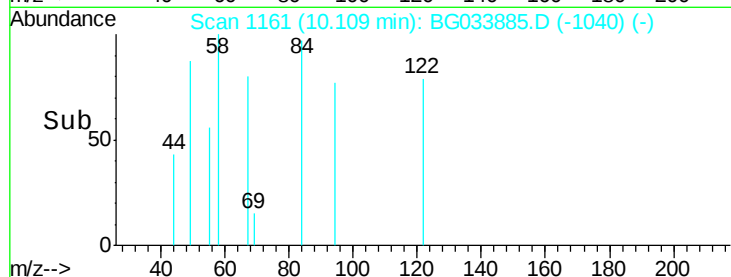
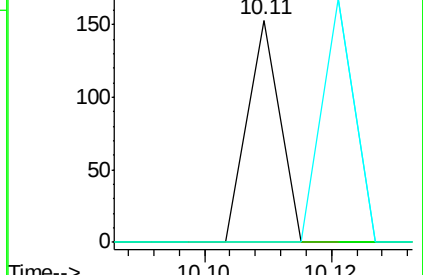
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.47 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

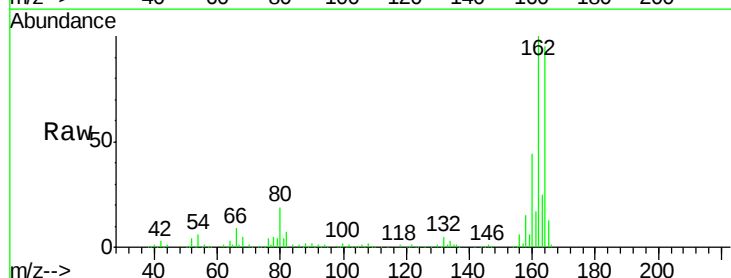
Tgt Ion:164 Resp: 209135

Ion Ratio Lower Upper

164 100

162 105.8 78.8 118.2

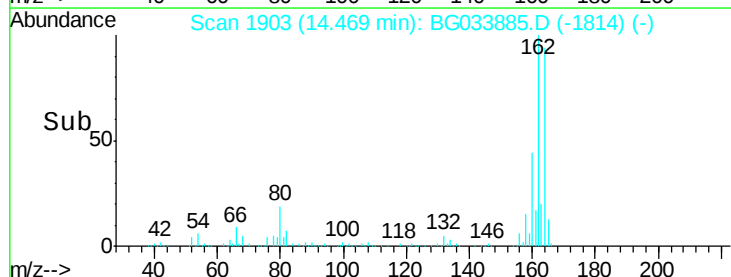
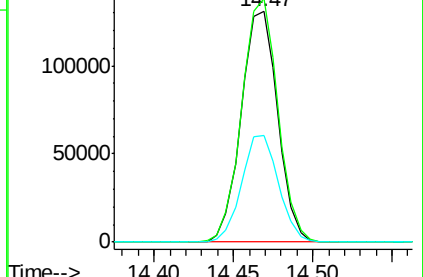
160 46.1 35.4 53.0

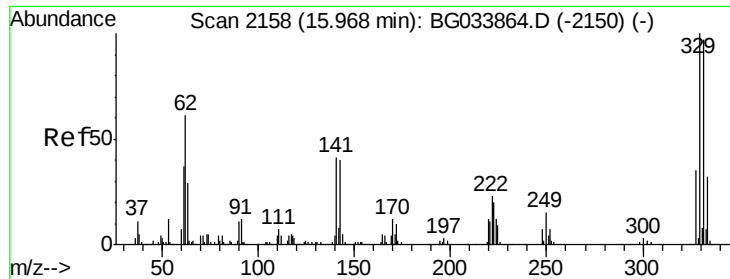


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

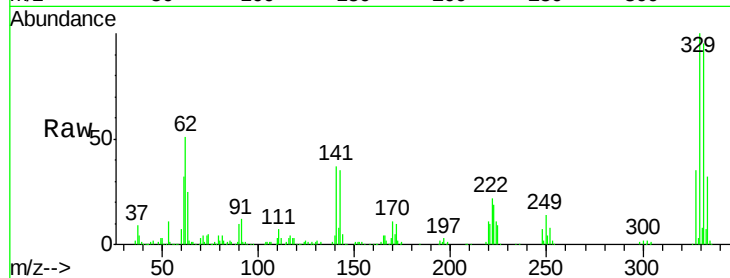




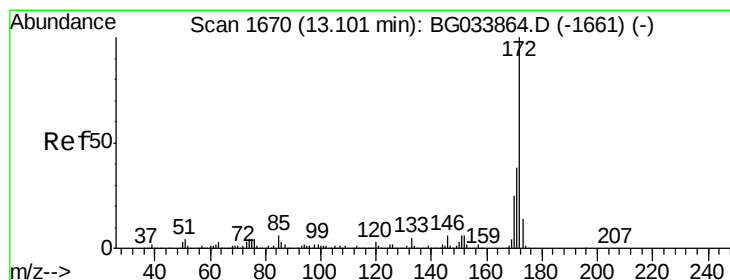
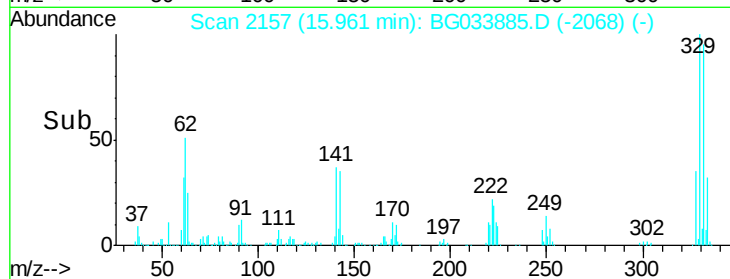
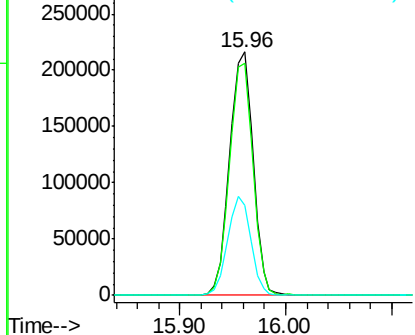
#41
 2,4,6-Tribromophenol
 Concen: 135.780 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BG033885.D
 Acq: 20 Apr 2018 14:24

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	39.9	25.2	37.8#

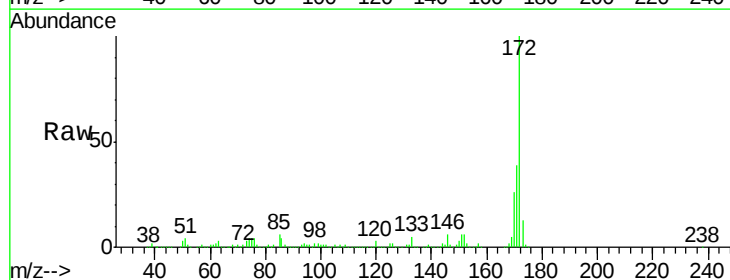


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

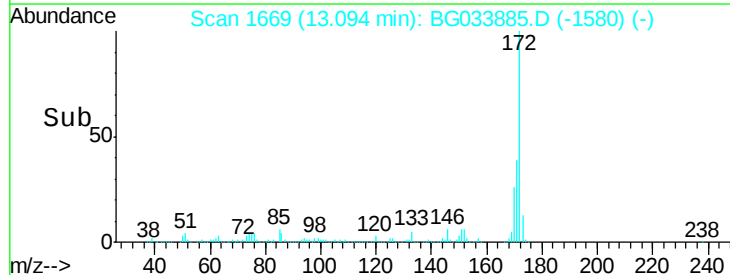
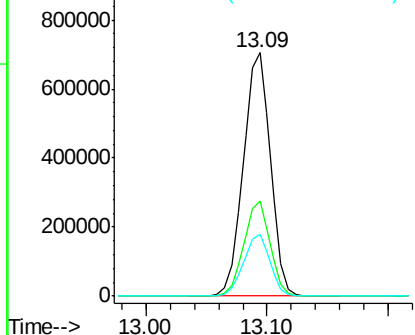


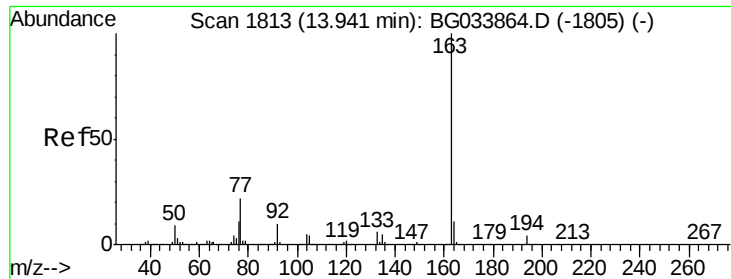
#44
 2-Fluorobiphenyl
 Concen: 77.234 ng
 RT: 13.09 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BG033885.D
 Acq: 20 Apr 2018 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.5	19.5	29.3



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





#49

Dimethylphthalate

Concen: 3.202 ng

RT: 13.93 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(0-5)

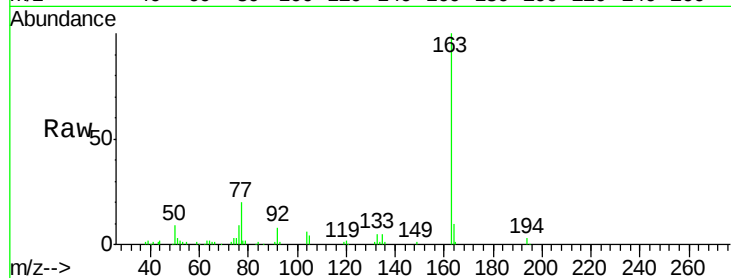
Tot Ion:163 Resp: 58905

Ion Ratio Lower Upper

163 100

194 2.9 3.4 5.2#

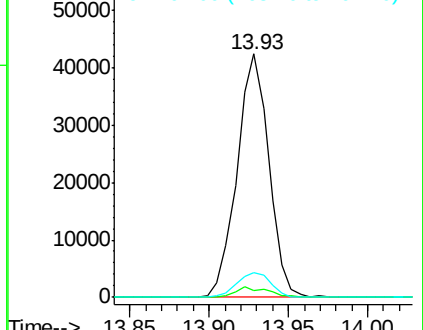
164 10.0 8.2 12.4



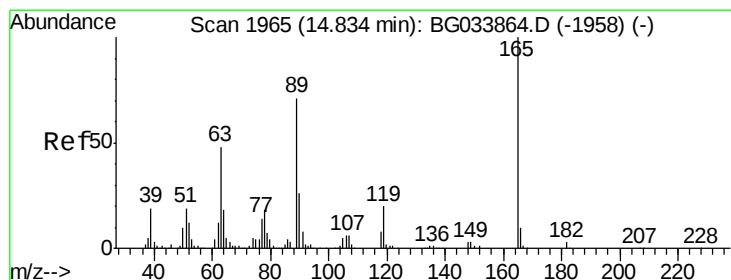
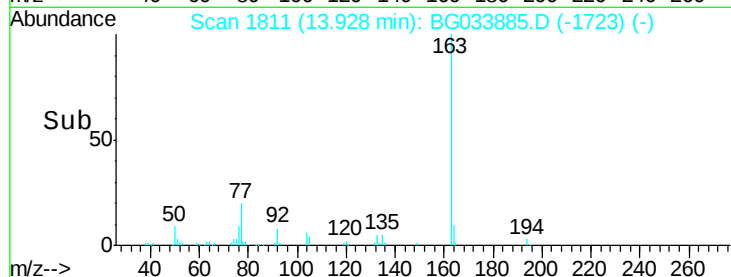
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 13.85 13.90 13.95 14.00



#56

2,4-Dinitrotoluene

Concen: 5.852 ng

RT: 14.47 min Scan# 1903

Delta R.T. -0.37 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Tgt Ion:165 Resp: 27131

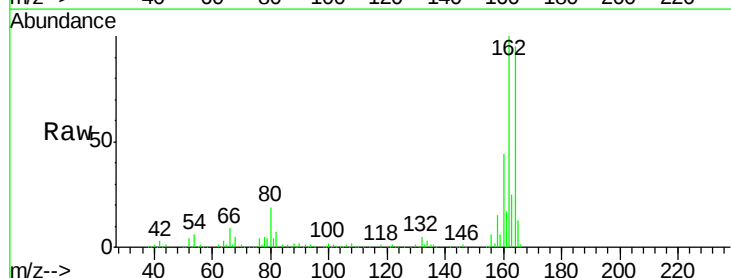
Ion Ratio Lower Upper

165 100

63 2.6 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#

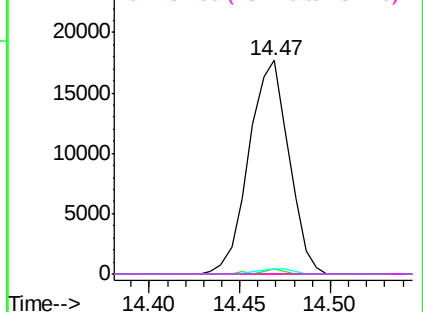


Abundance Ion 165.00 (164.70 to 165.70): E

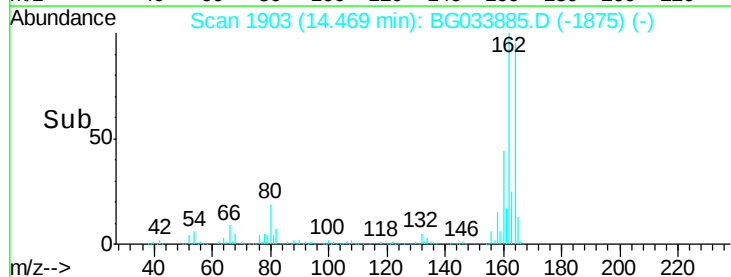
Ion 63.00 (62.70 to 63.70): BGC

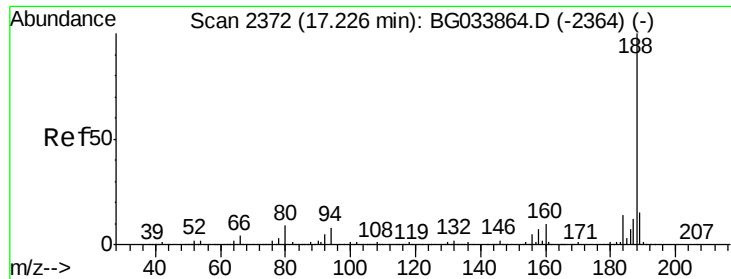
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.40 14.45 14.50

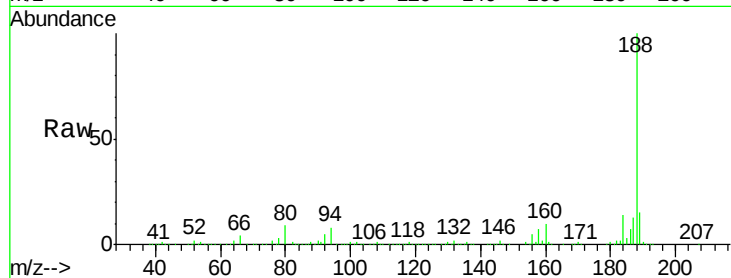




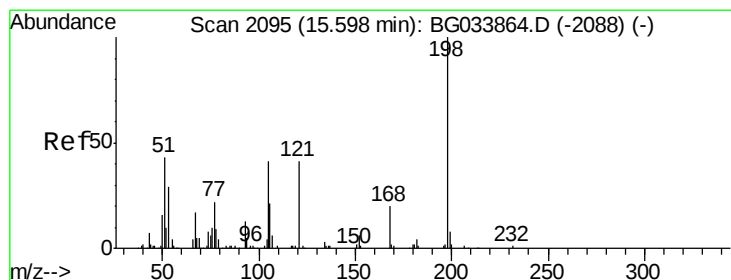
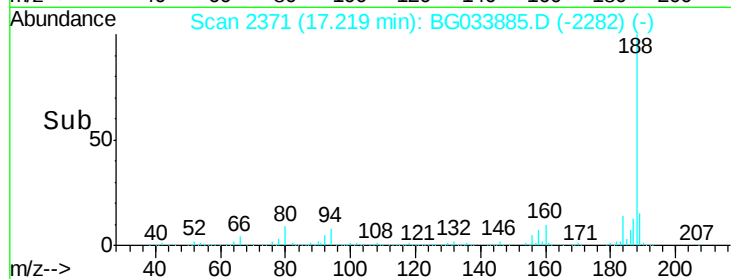
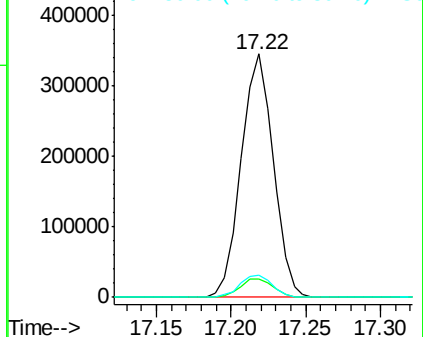
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.22 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BG033885.D
Acq: 20 Apr 2018 14:24

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(0-5)

Tot Ion:188 Resp: 516730
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.9 7.7 11.5

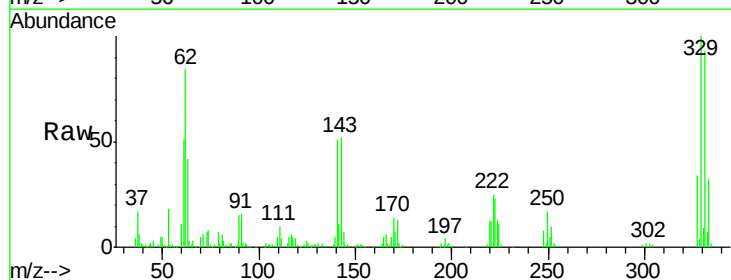


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

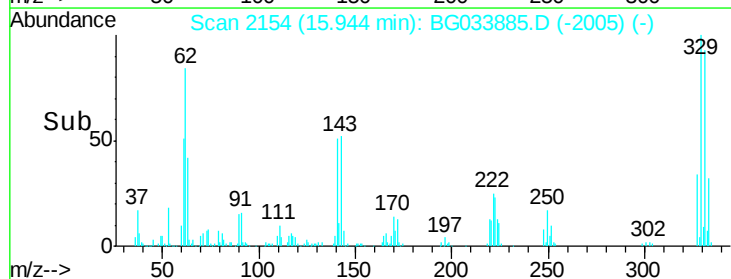
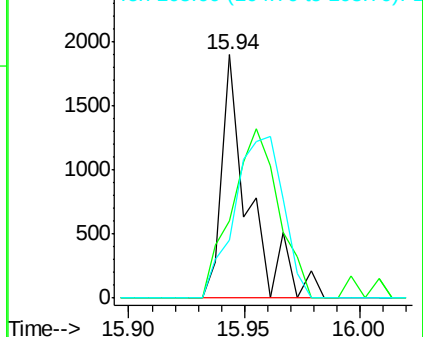


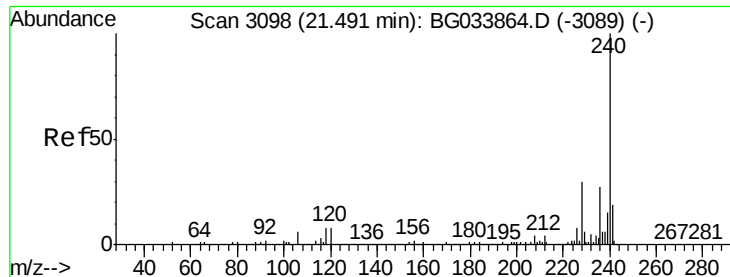
#64
4,6-Dinitro-2-methylphenol
Concen: 7.020 ng
RT: 15.94 min Scan# 2154
Delta R.T. 0.35 min
Lab File: BG033885.D
Acq: 20 Apr 2018 14:24

Tgt Ion:198 Resp: 1528
Ion Ratio Lower Upper
198 100
51 31.7 30.6 70.6
105 23.6 23.8 63.8#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.48 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(0-5)

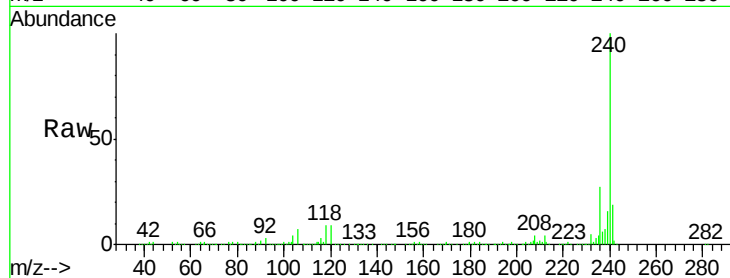
Tot Ion:240 Resp: 540317

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

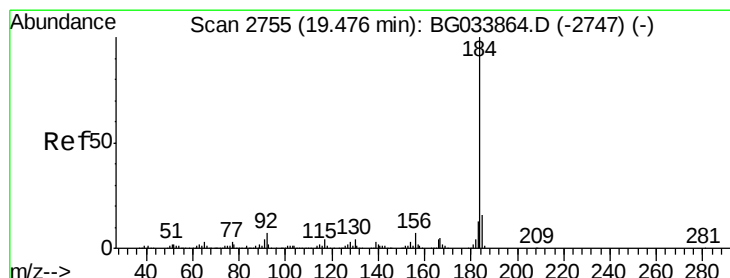
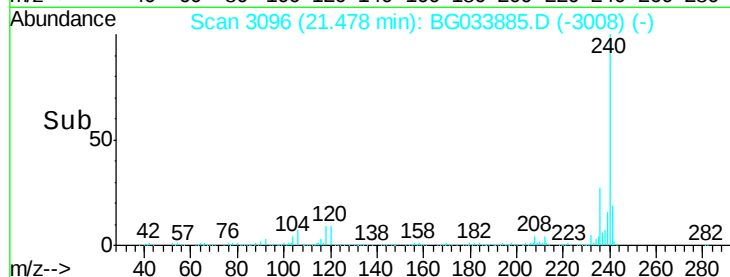
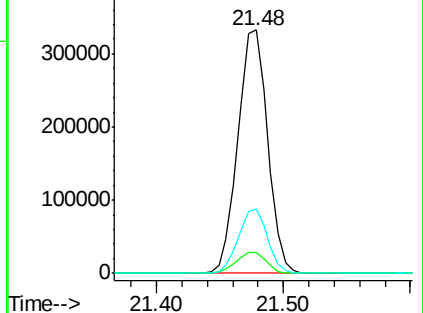
236 26.7 20.9 31.3



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



#76

Benzidine

Concen: 3.136 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

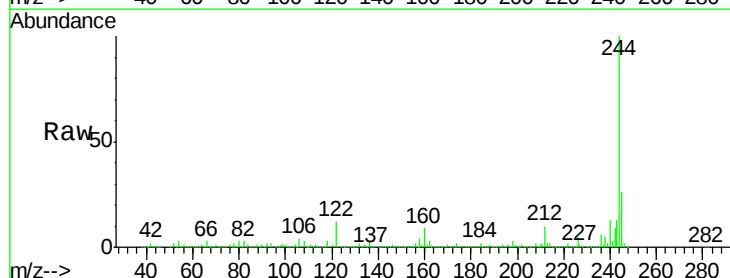
Tgt Ion:184 Resp: 45761

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

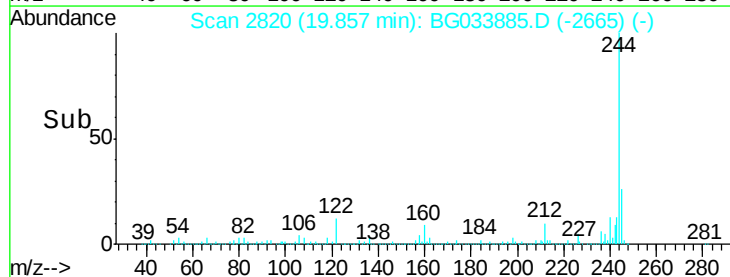
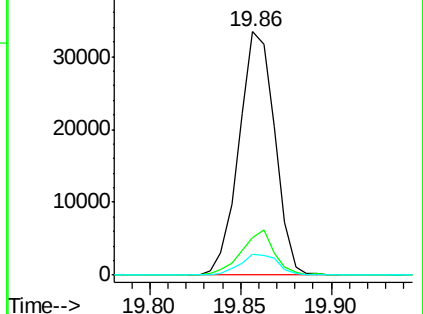
183 8.7 10.6 16.0#

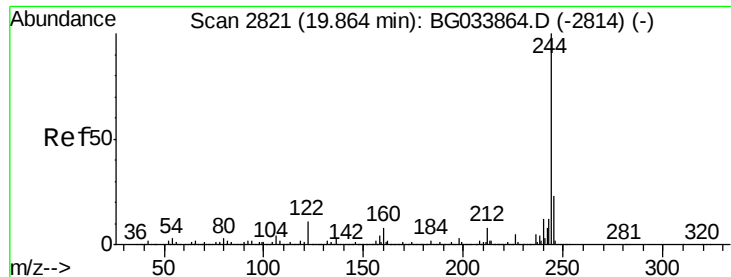


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.356 ng

RT: 19.86 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(0-5)

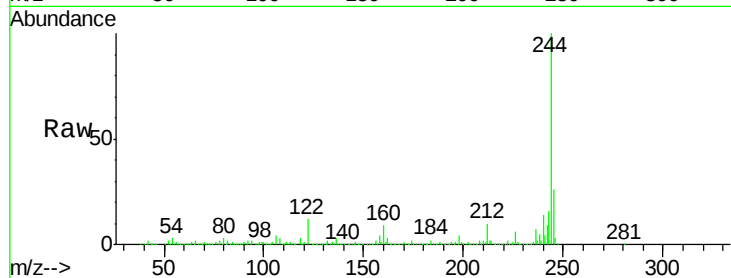
Tot Ion:244 Resp: 2557898

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

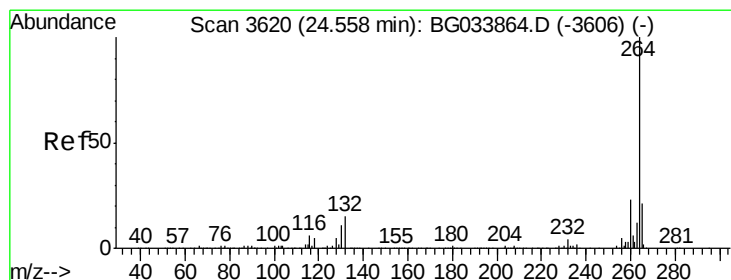
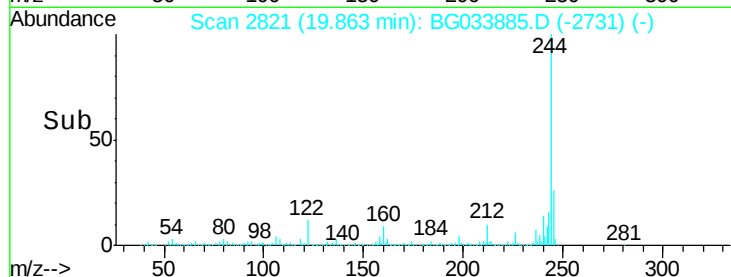
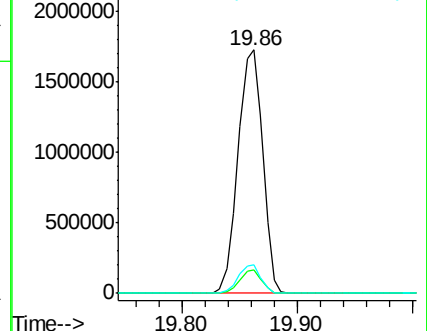
122 11.6 7.0 10.4#



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: 24.54 min Scan# 3617

Delta R.T. -0.02 min

Lab File: BG033885.D

Acq: 20 Apr 2018 14:24

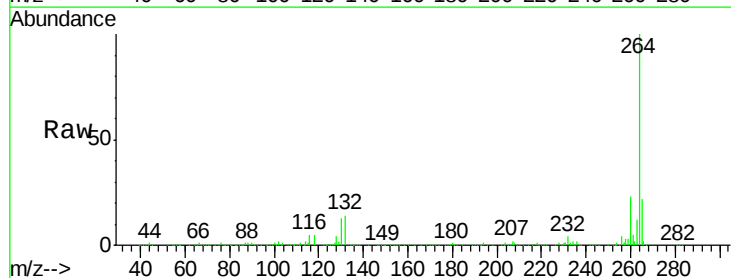
Tgt Ion:264 Resp: 543288

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.8 17.7 26.5



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

