

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051120\
 Data File : BG045299.D
 Acq On : 11 May 2020 16:44
 Operator : CG/JU
 Sample : L2503-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-050720

Quant Time: May 11 17:19:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	70646	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	261812	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	181154	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	426830	20.00	ng	0.00
76) Chrysene-d12	21.63	240	452126	20.00	ng	-0.01
87) Perylene-d12	24.79	264	490791	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	556266	130.00	ng	0.00
7) Phenol-d6	7.14	99	705053	110.90	ng	0.00
23) Nitrobenzene-d5	9.13	82	575848	100.36	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	406157	145.13	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1271378	102.91	ng	0.00
79) Terphenyl-d14	19.98	244	2211582	106.61	ng	0.00

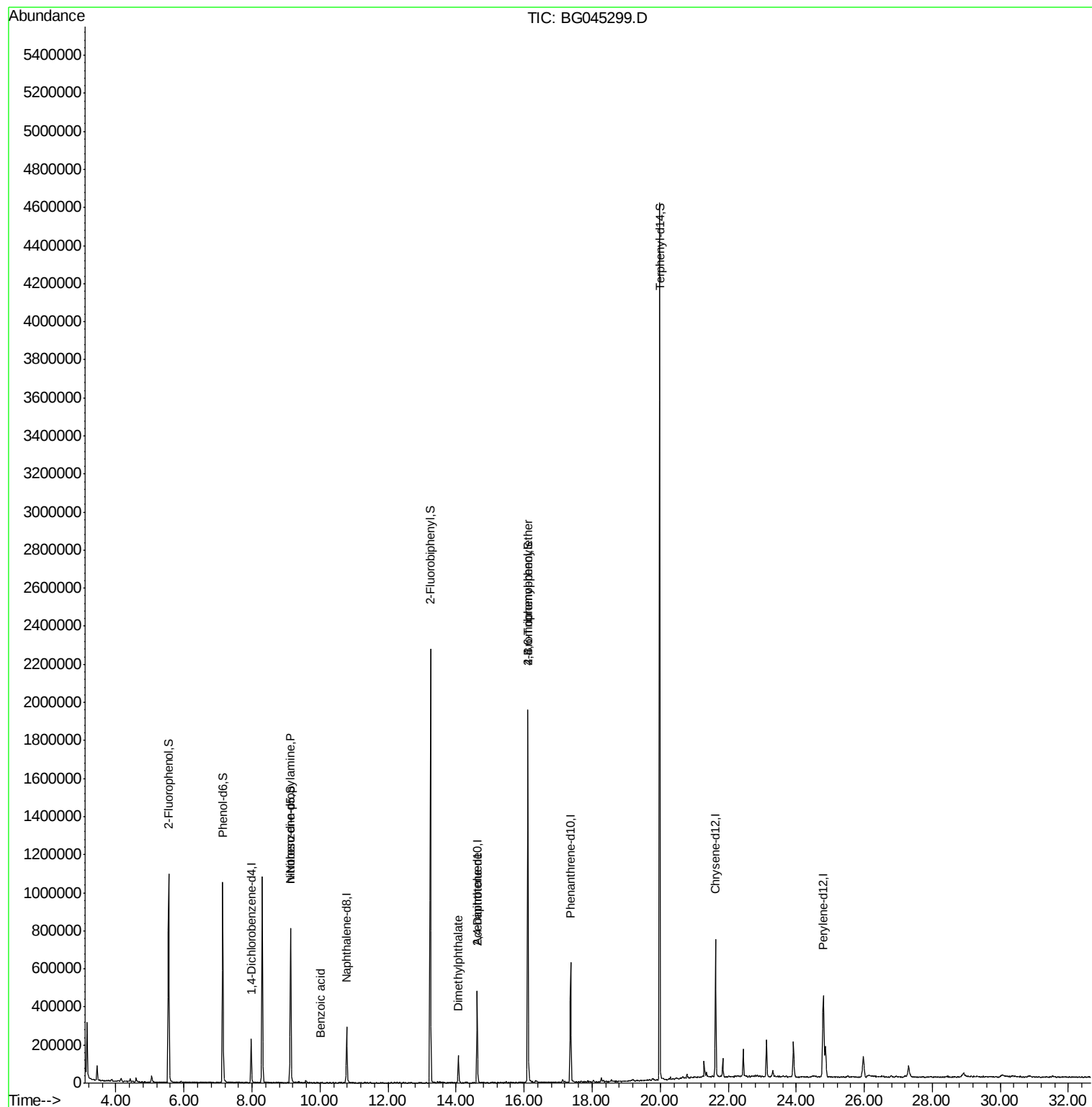
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.11	77	68	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	79718	17.730	ng	# 82
32) Benzoic acid	10.01	122	58	6.389	ng	# 21
50) Dimethylphthalate	14.07	163	96010	6.509	ng	# 99
57) 2,4-Dinitrotoluene	14.62	165	23964	4.970	ng	# 23
67) 4-Bromophenyl-phenylether	16.11	248	27923	5.071	ng	# 1
69) Atrazine	17.17	200	82	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	1938	Below Cal	#	76
75) Fluoranthene	19.78	202	631	Below Cal	#	62
77) Benzydine	19.98	184	42781	Below Cal	#	92

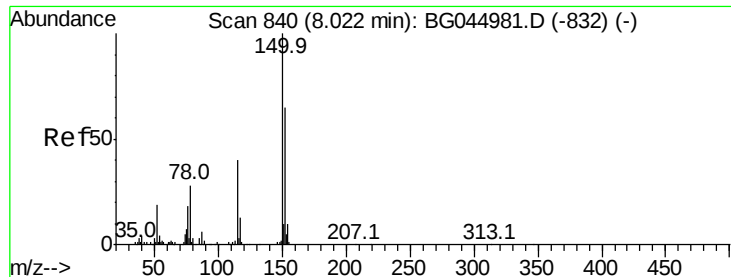
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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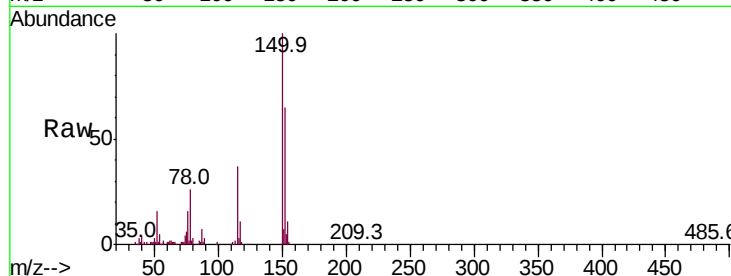


#1

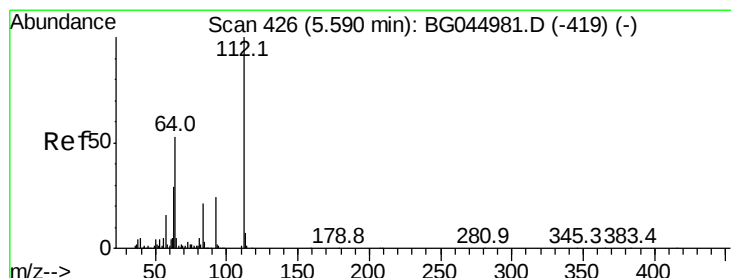
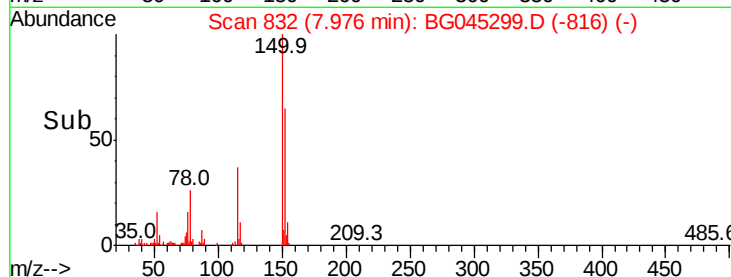
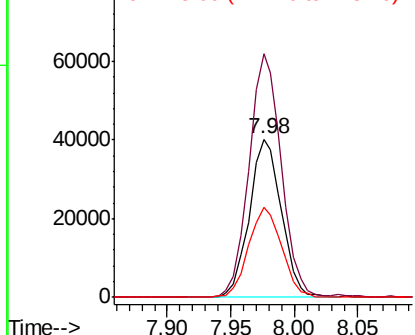
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.98 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BG045299.D
 Acq: 11 May 2020 16:44

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-050720

Tot Ion:152 Resp: 70646
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.6 185.4
 115 56.5 49.1 73.7



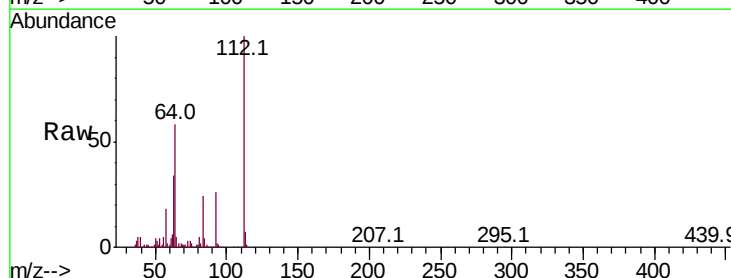
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



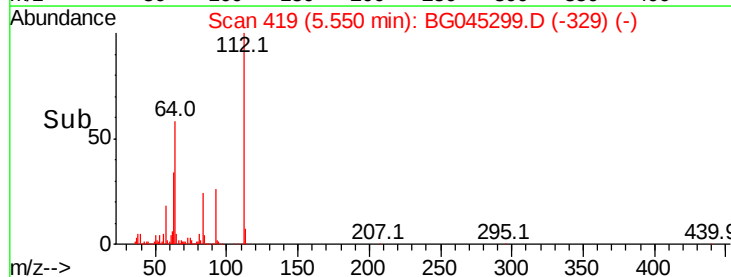
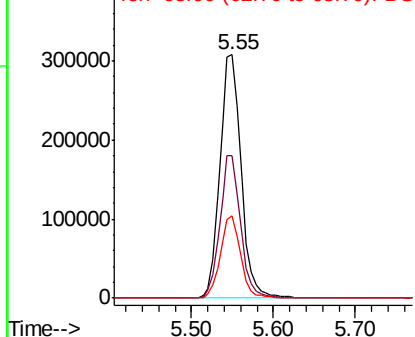
#5

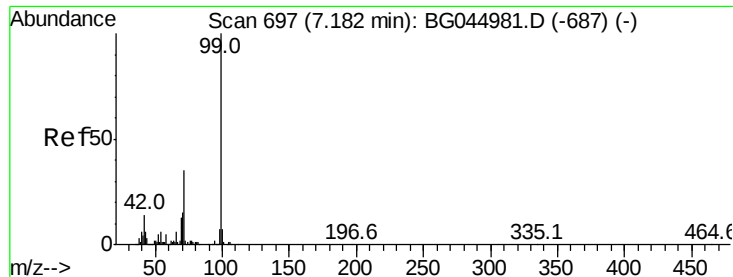
2-Fluorophenol
 Concen: 129.995 ng
 RT: 5.55 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: BG045299.D
 Acq: 11 May 2020 16:44

Tgt Ion:112 Resp: 556266
 Ion Ratio Lower Upper
 112 100
 64 58.4 42.4 63.6
 63 33.6 23.1 34.7



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





#7

Phenol-d6

Concen: 110.897 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

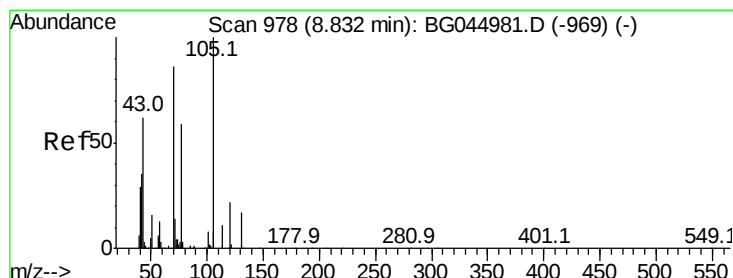
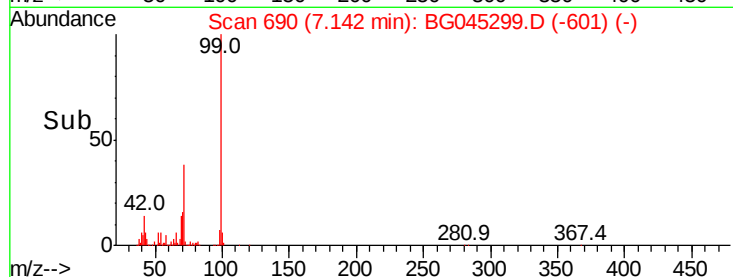
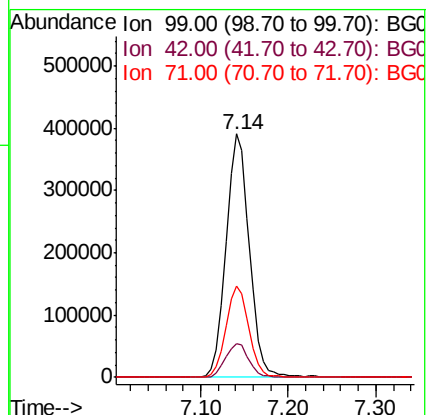
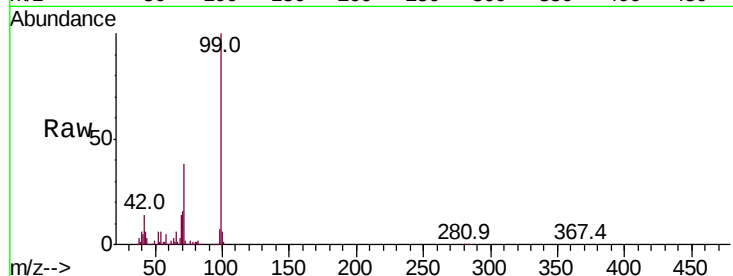
Tot Ion: 99 Resp: 705053

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

71 37.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.730 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Tgt Ion: 70 Resp: 79718

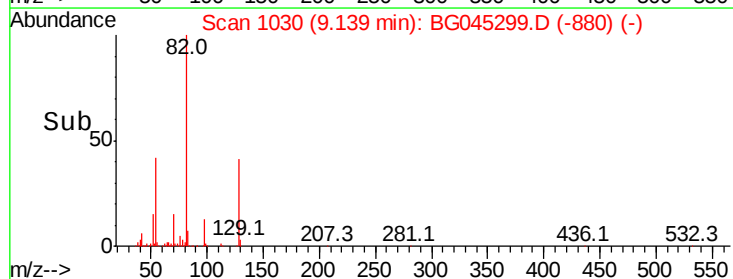
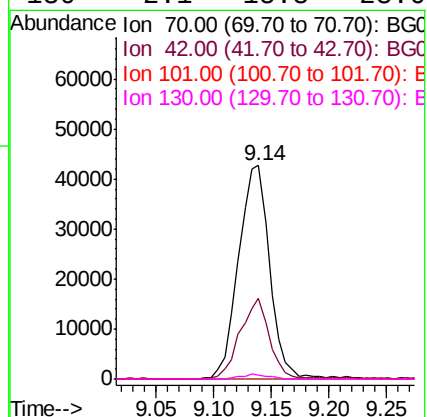
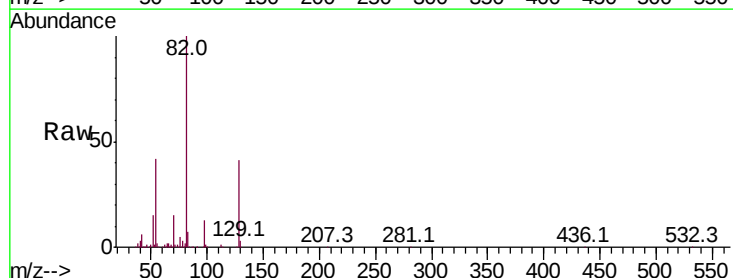
Ion Ratio Lower Upper

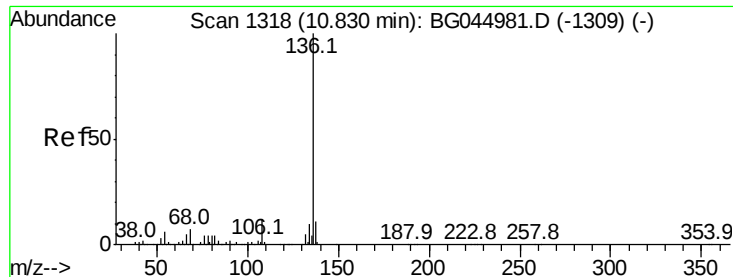
70 100

42 37.7 33.3 49.9

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

Tot Ion:136 Resp: 261812

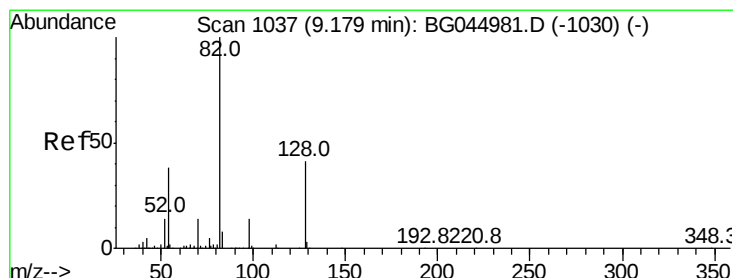
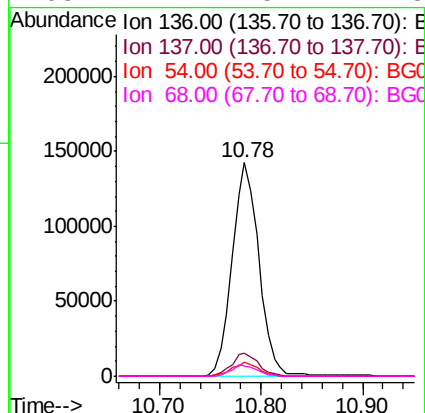
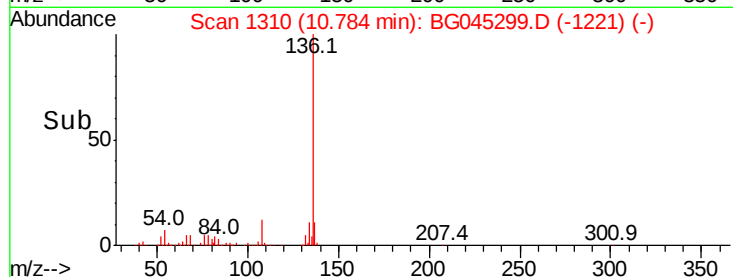
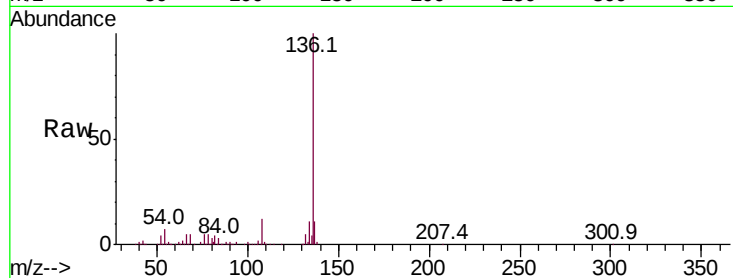
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.5 4.8 7.2

68 4.7 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 100.359 ng

RT: 9.13 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

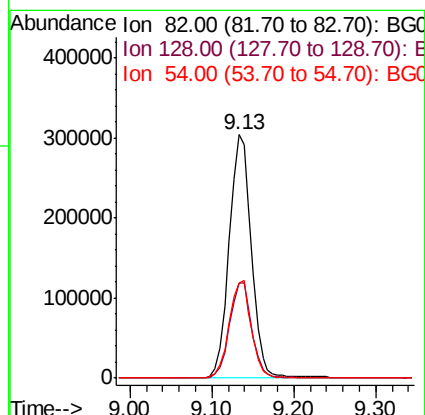
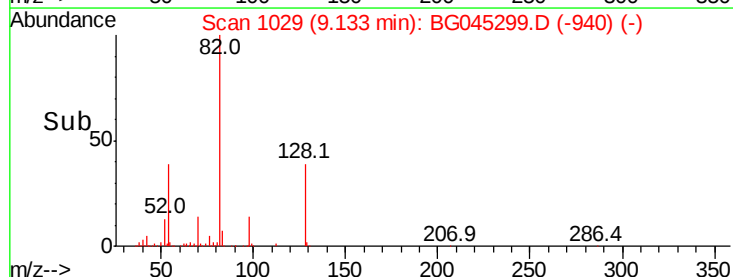
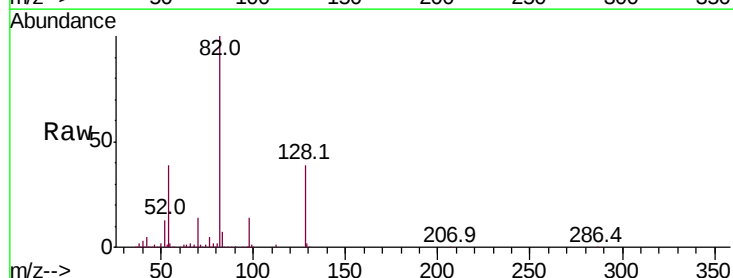
Tgt Ion: 82 Resp: 575848

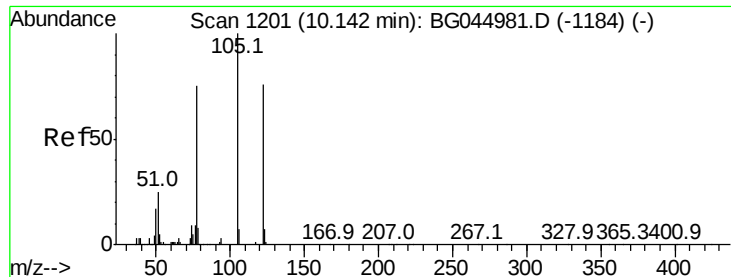
Ion Ratio Lower Upper

82 100

128 39.3 33.0 49.4

54 39.2 30.4 45.6





#32

Benzoic acid

Concen: 6.389 ng

RT: 10.01 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

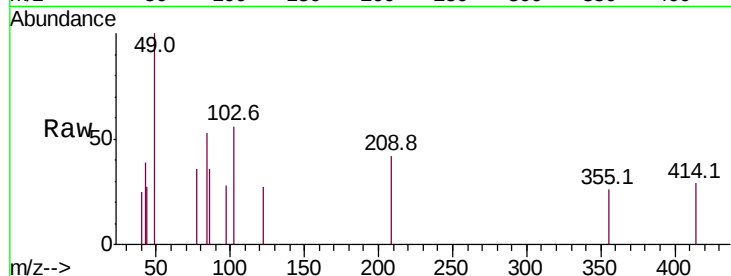
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

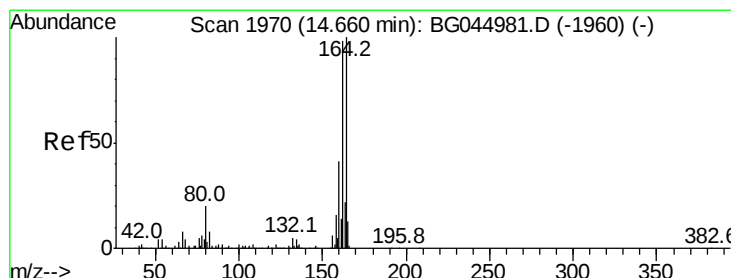
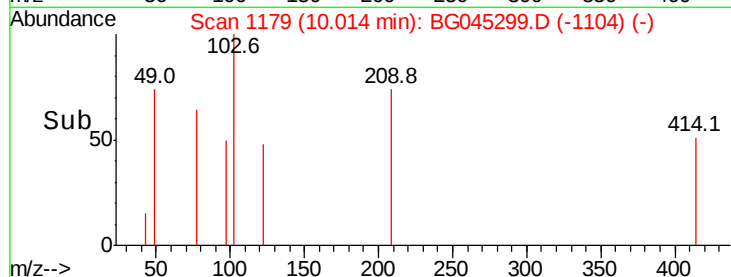
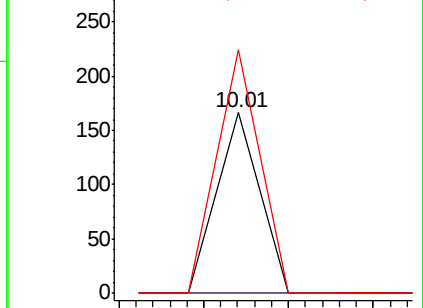
77 134.9 78.8 118.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

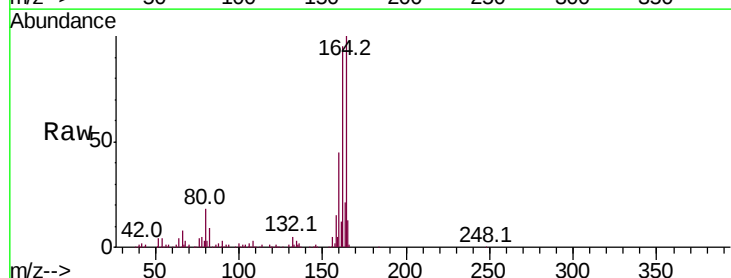
Tgt Ion:164 Resp: 181154

Ion Ratio Lower Upper

164 100

162 95.3 78.7 118.1

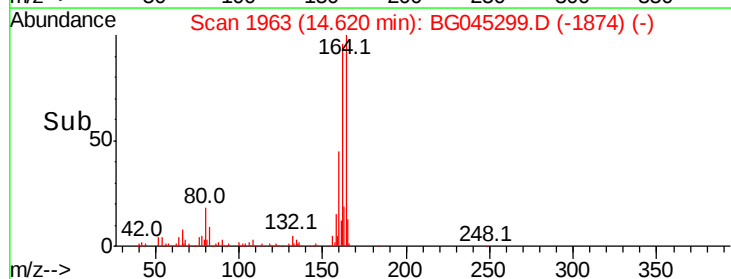
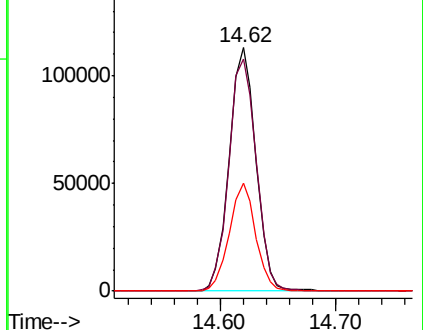
160 44.5 32.8 49.2

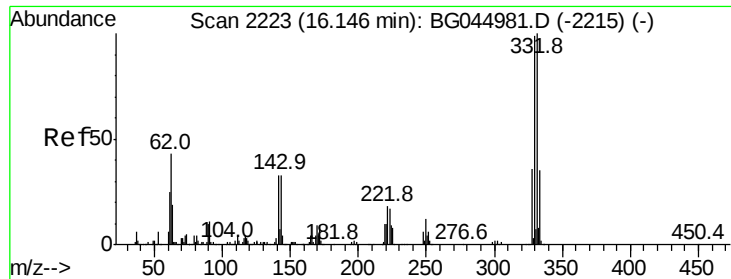


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

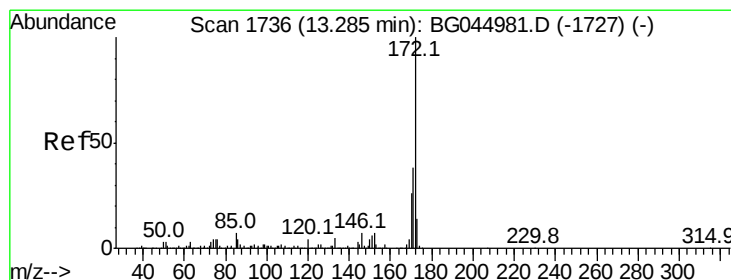
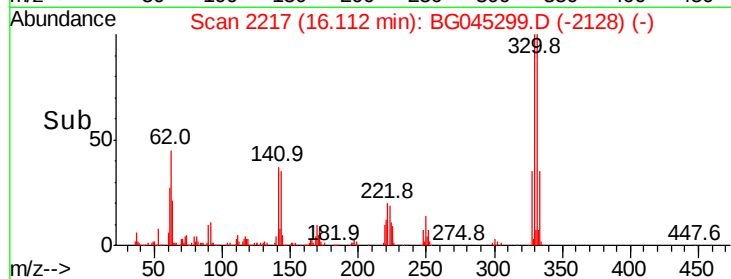
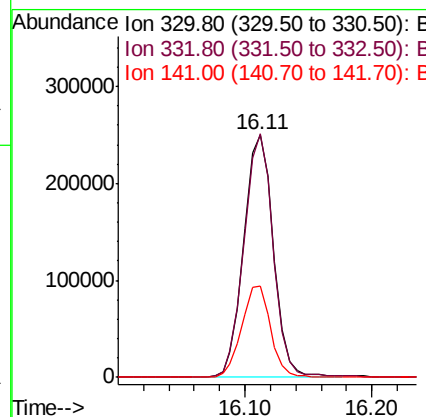
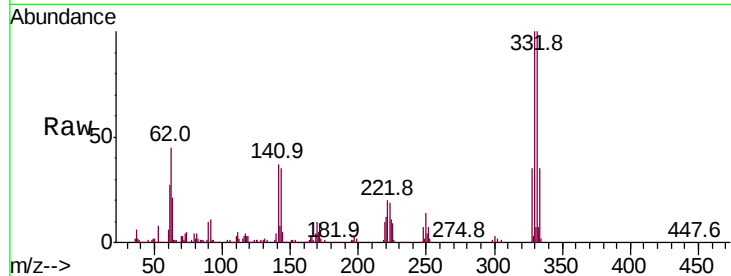




#42
 2,4,6-Tribromophenol
 Concen: 145.129 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045299.D
 Acq: 11 May 2020 16:44

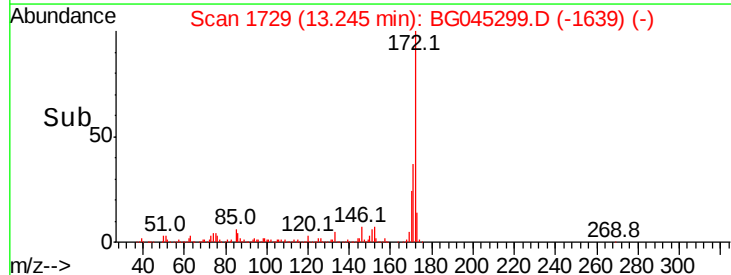
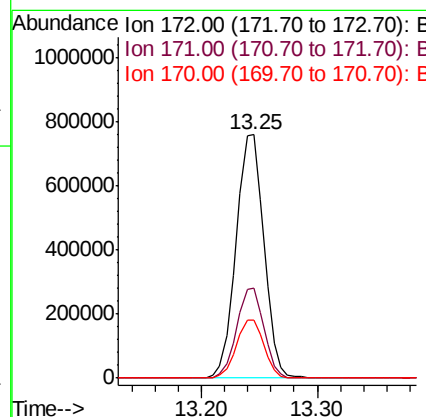
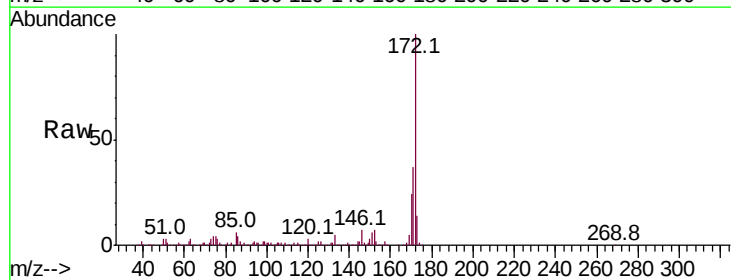
Instrument :
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 OR-03-050720

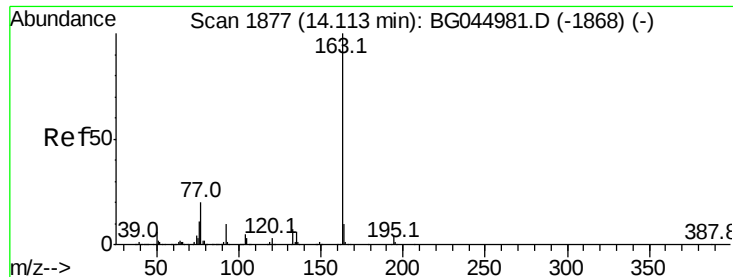
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	79.1	118.7
141	36.9	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 102.909 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045299.D
 Acq: 11 May 2020 16:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.6	46.0
170	23.8	20.5	30.7





#50

Dimethylphthalate

Concen: 6.509 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

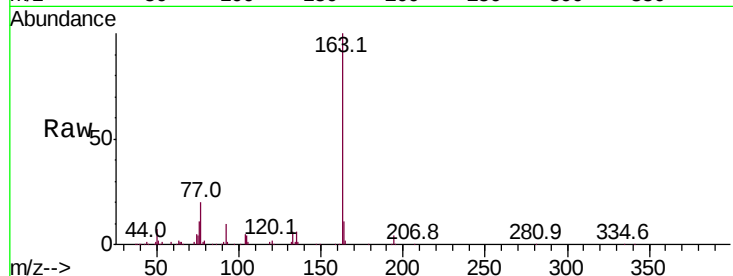
Tot Ion:163 Resp: 96010

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

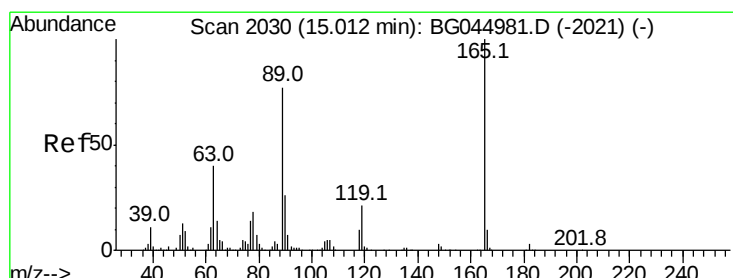
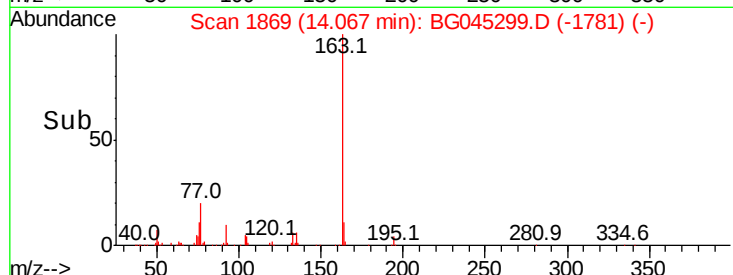
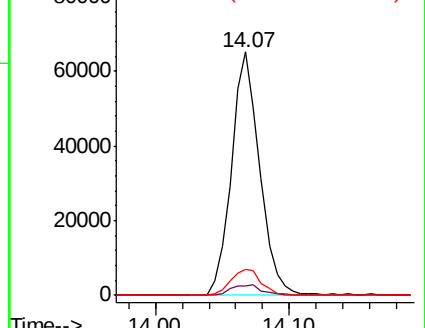
164 10.5 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 4.970 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Tgt Ion:165 Resp: 23964

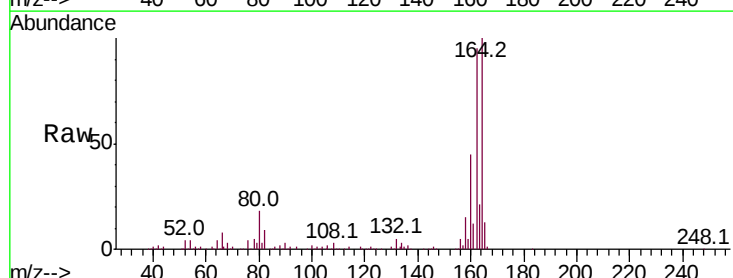
Ion Ratio Lower Upper

165 100

63 1.8 32.2 48.2#

89 2.2 61.7 92.5#

182 0.0 2.0 3.0#

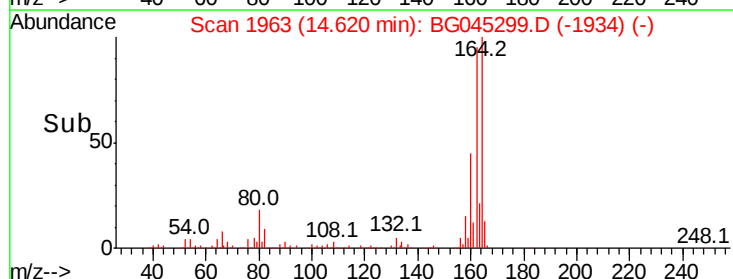
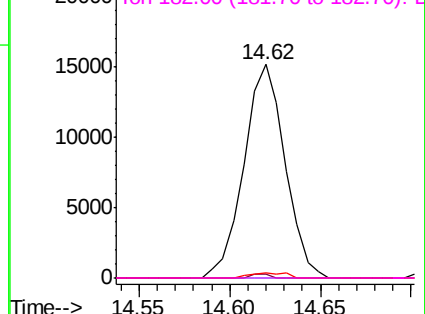


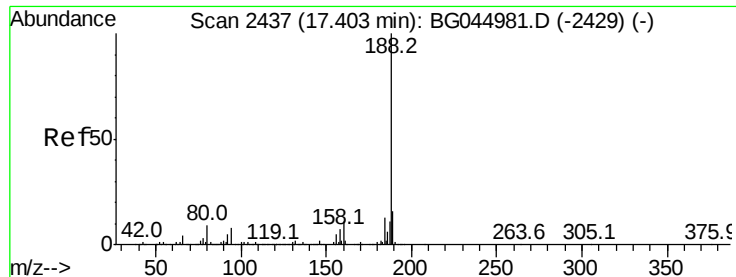
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

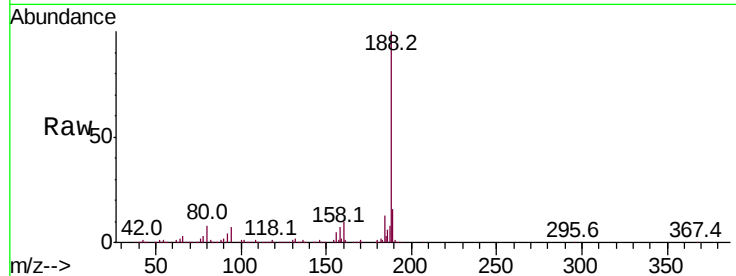
Tot Ion:188 Resp: 426830

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

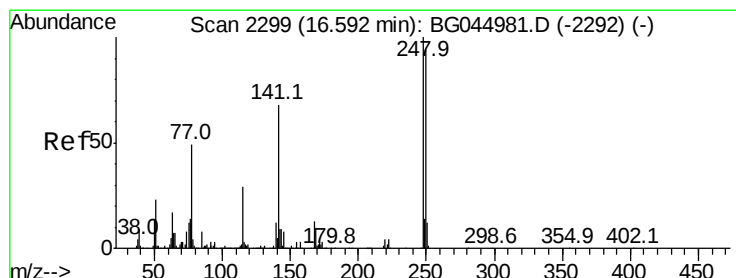
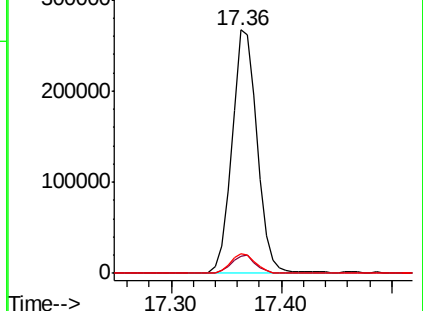
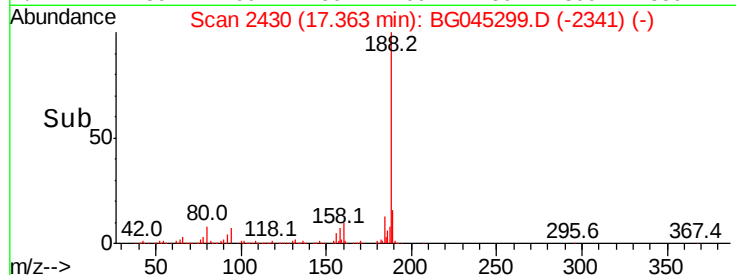
80 7.8 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.071 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

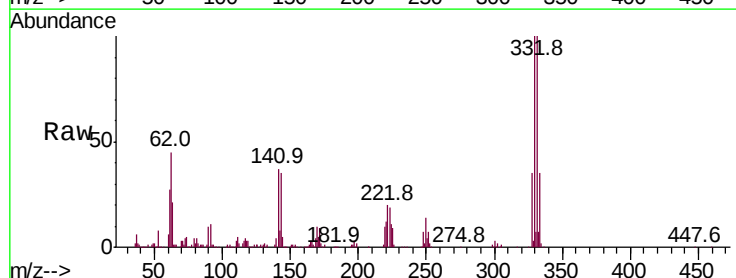
Tgt Ion:248 Resp: 27923

Ion Ratio Lower Upper

248 100

250 192.4 75.4 113.2#

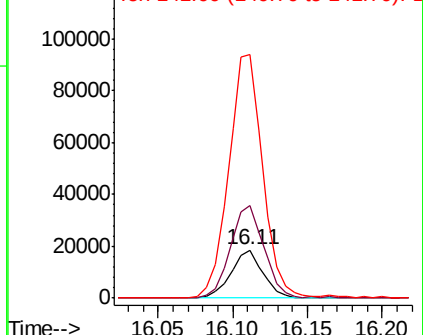
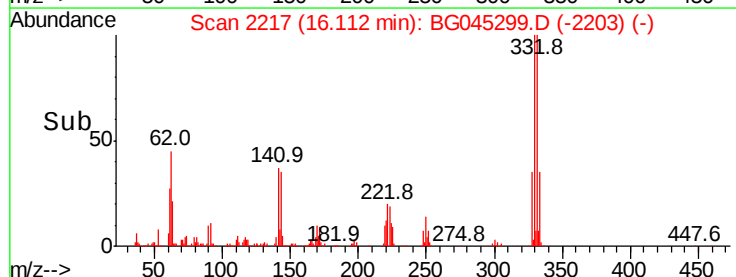
141 504.2 54.4 81.6#

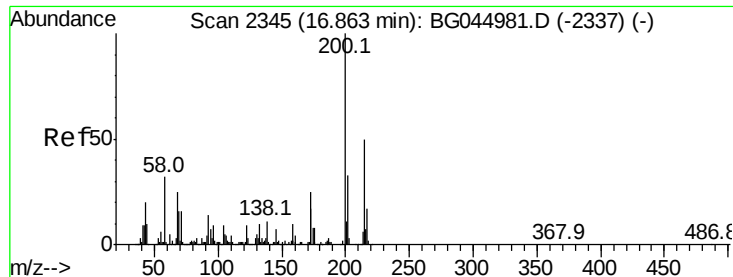


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.17 min Scan# 2397

Delta R.T. 0.34 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

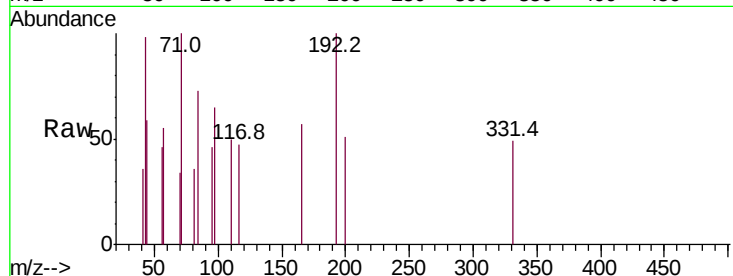
Tot Ion:200 Resp: 82

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

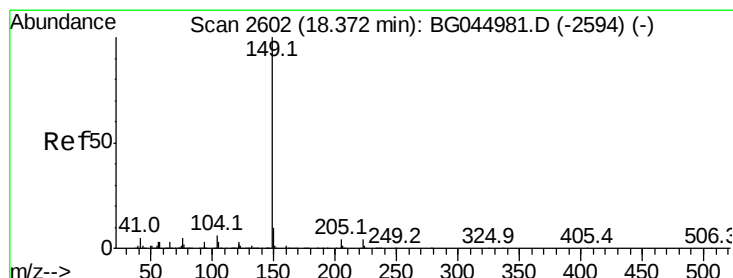
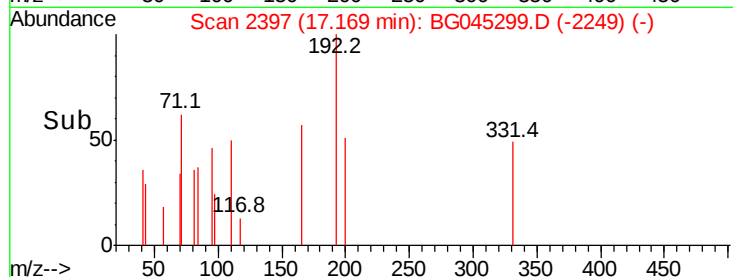
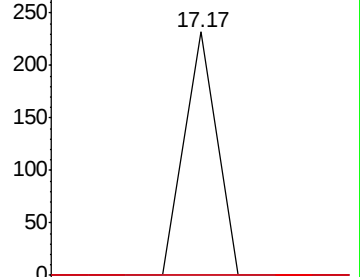
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

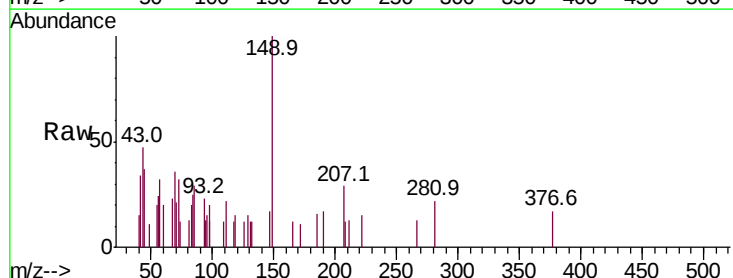
Tgt Ion:149 Resp: 1938

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

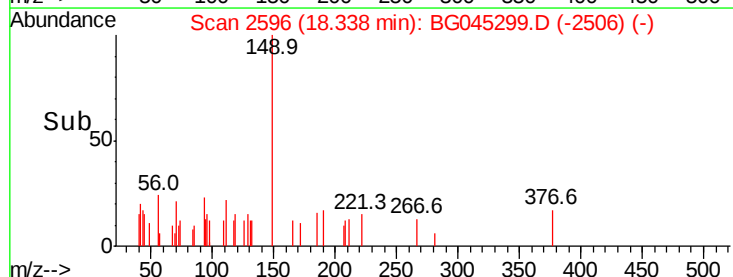
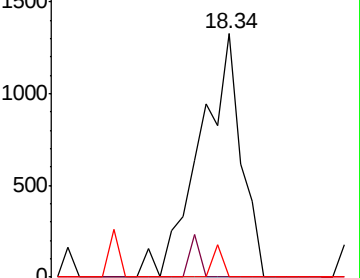
104 0.0 4.8 7.2#

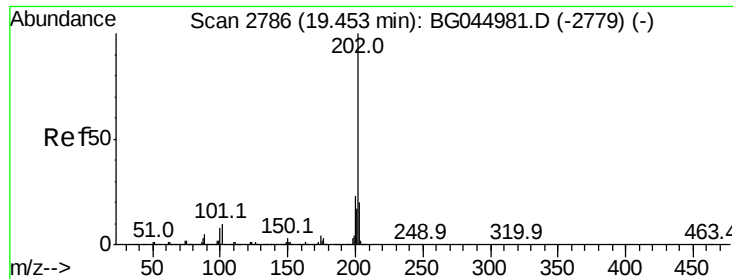


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.78 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

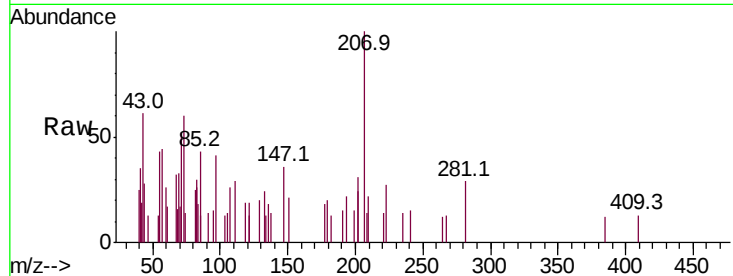
Tot Ion:202 Resp: 631

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

203 0.0 0.0 39.7



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

19.78

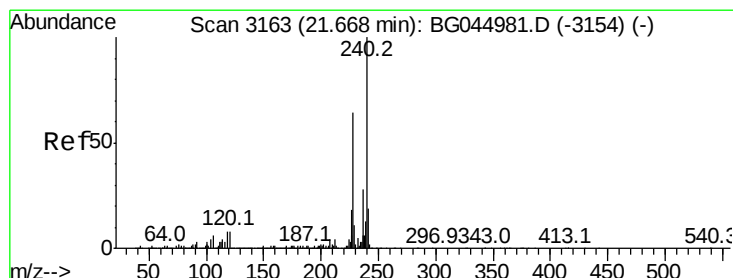
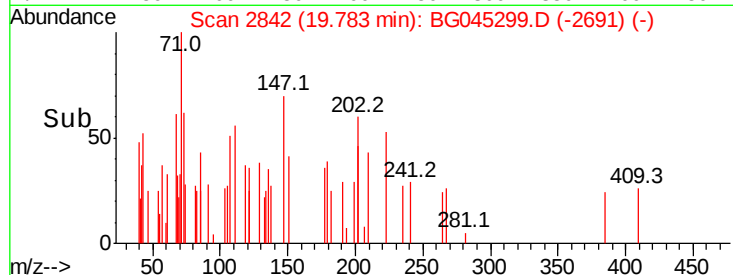
600

400

200

0

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

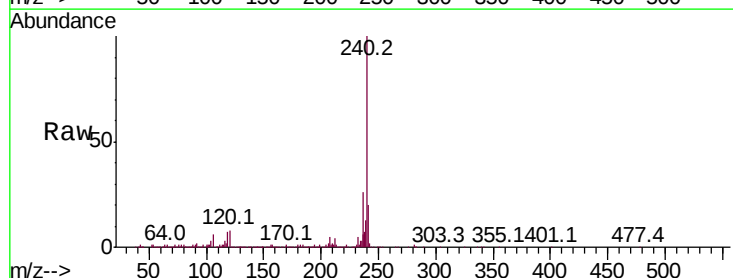
Tgt Ion:240 Resp: 452126

Ion Ratio Lower Upper

240 100

120 7.6 6.6 10.0

236 26.3 22.2 33.2



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

21.63

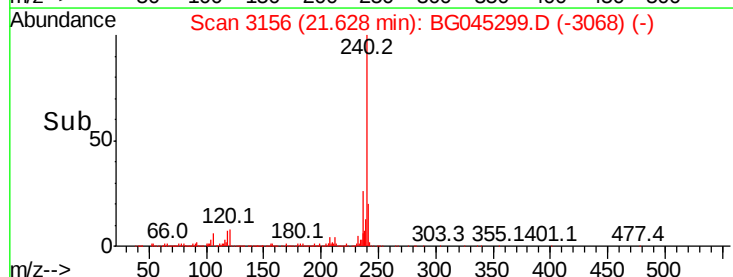
300000

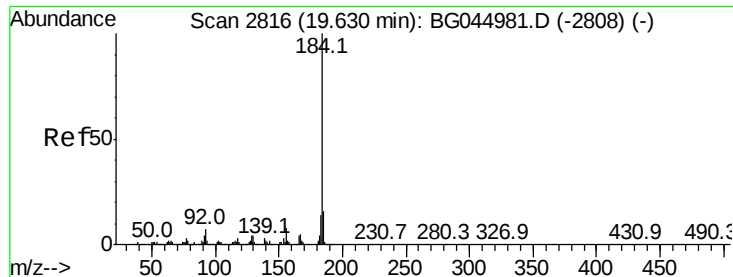
200000

100000

0

Time-->





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

Instrument :

BNA_G

ClientSampleId :

OR-03-050720

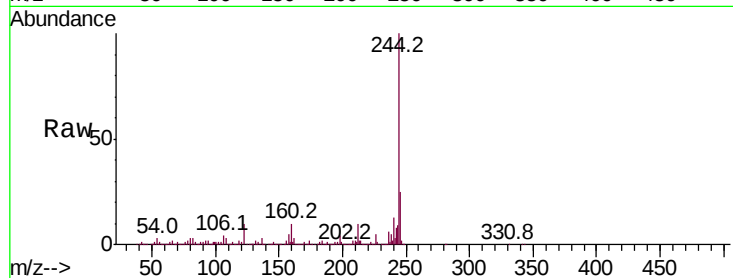
Tot Ion:184 Resp: 42781

Ion Ratio Lower Upper

184 100

185 16.6 12.6 19.0

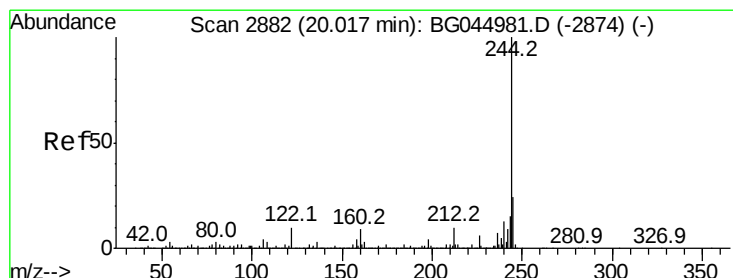
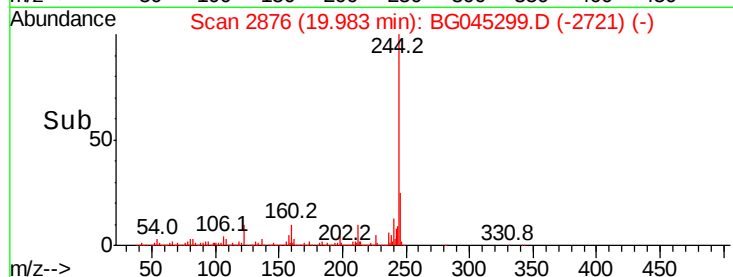
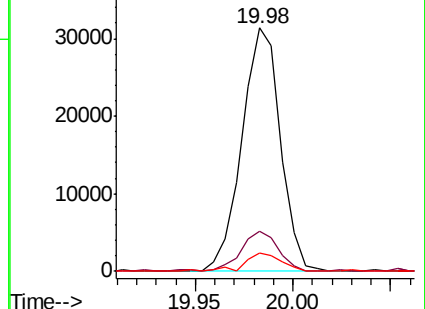
183 7.8 11.3 16.9#



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



#79

Terphenyl-d14

Concen: 106.614 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045299.D

Acq: 11 May 2020 16:44

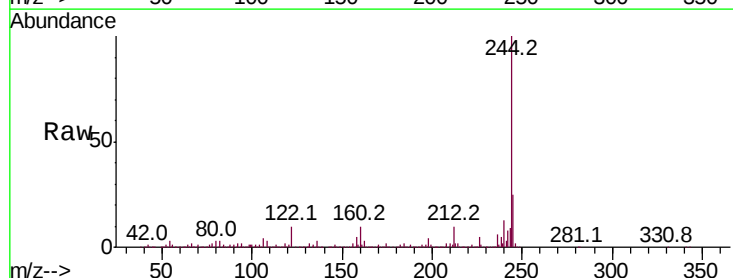
Tgt Ion:244 Resp: 2211582

Ion Ratio Lower Upper

244 100

212 10.0 7.9 11.9

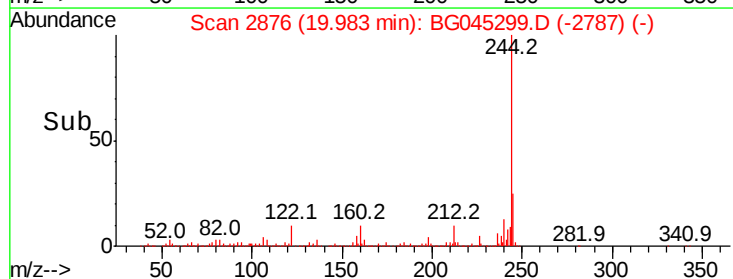
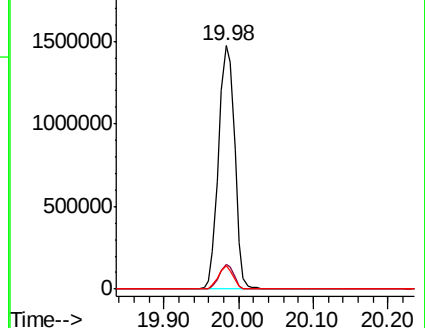
122 9.6 7.7 11.5

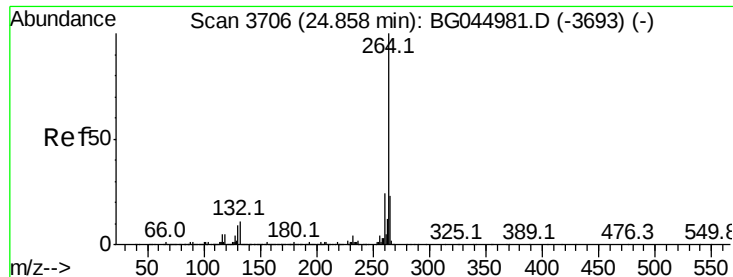


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: BG045299.D
 Acq: 11 May 2020 16:44

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-050720

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	23.0	19.0	28.4

