

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
 Data File : BG045379.D
 Acq On : 14 May 2020 15:50
 Operator : CG/JU
 Sample : L2505-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-051220

Quant Time: May 14 17:56:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	69291	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	272187	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	208762	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	504202	20.00	ng	0.00
76) Chrysene-d12	21.62	240	504783	20.00	ng	0.00
87) Perylene-d12	24.79	264	532418	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	364442	86.83	ng	0.00
7) Phenol-d6	7.14	99	469014	75.21	ng	0.00
23) Nitrobenzene-d5	9.13	82	427803	71.72	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	352377	109.26	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1046891	73.53	ng	0.00
79) Terphenyl-d14	19.98	244	1952223	84.29	ng	0.00

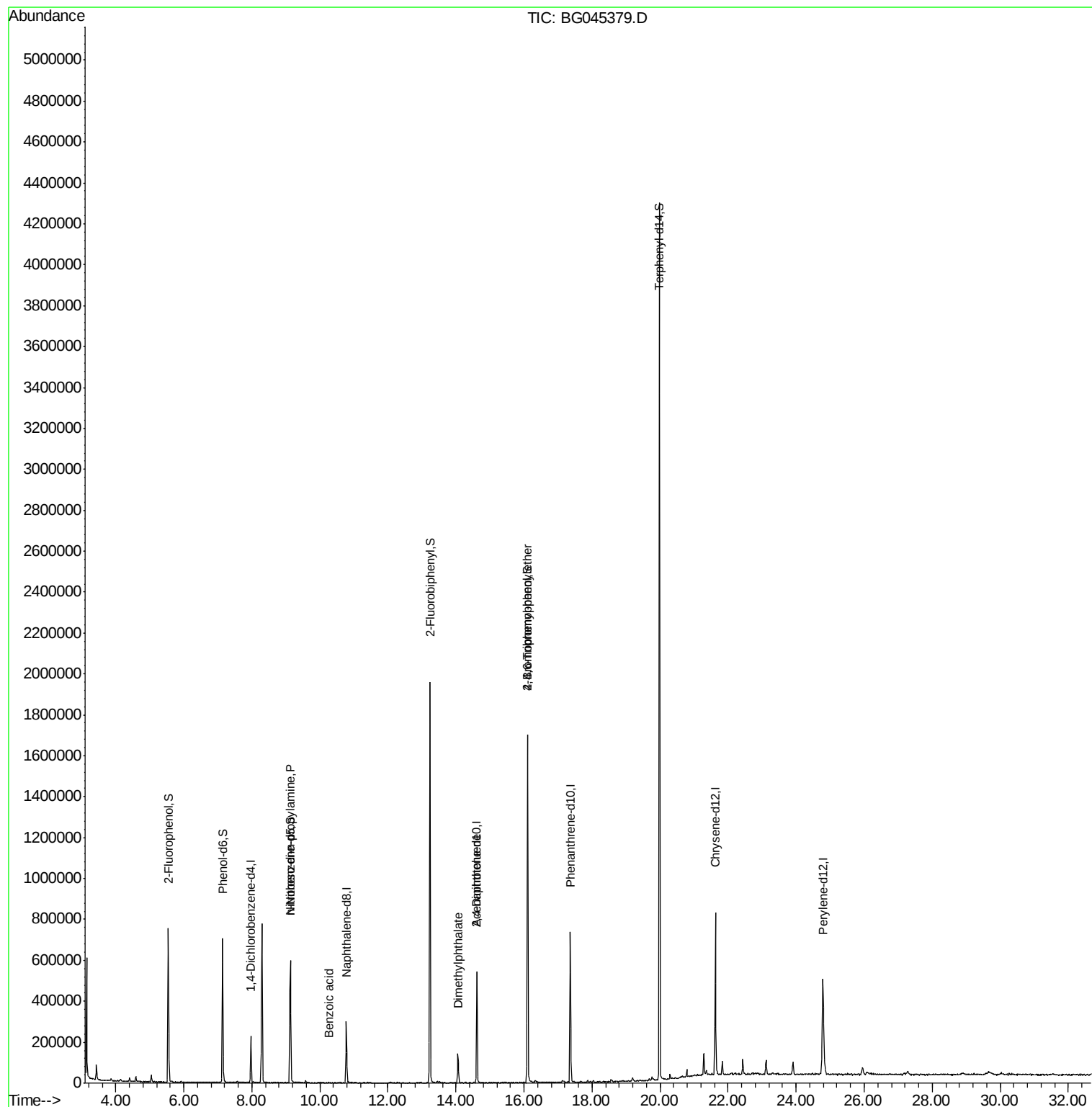
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.11	77	61	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	58187	13.194	ng	# 75
32) Benzoic acid	10.26	122	77	6.394	ng	# 1
50) Dimethylphthalate	14.06	163	104620	6.155	ng	100
57) 2,4-Dinitrotoluene	14.61	165	26582	4.784	ng	# 22
67) 4-Bromophenyl-phenylether	16.11	248	24062	3.699	ng	# 1
69) Atrazine	17.10	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	1894	Below Cal	#	84
75) Fluoranthene	19.42	202	1093	Below Cal	#	76
77) Benzidine	19.98	184	37968	Below Cal	#	90

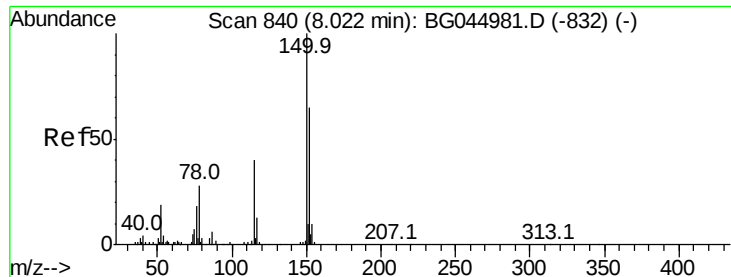
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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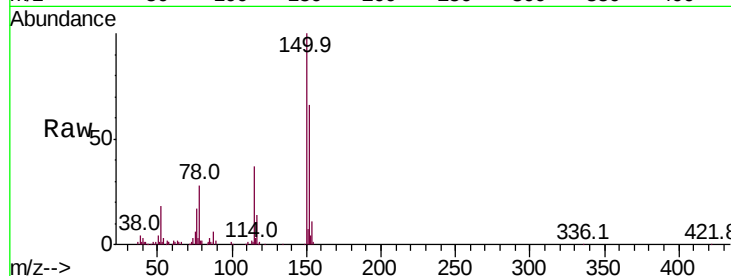


#1

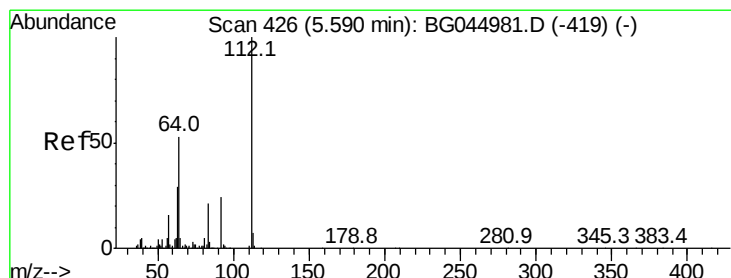
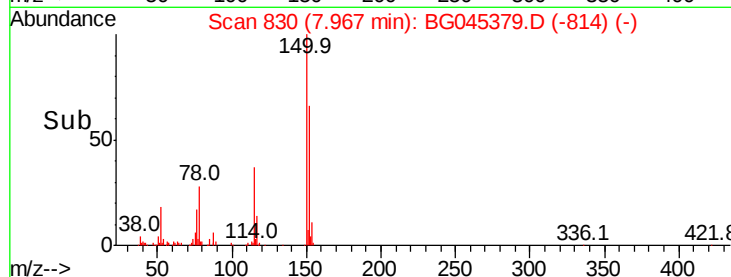
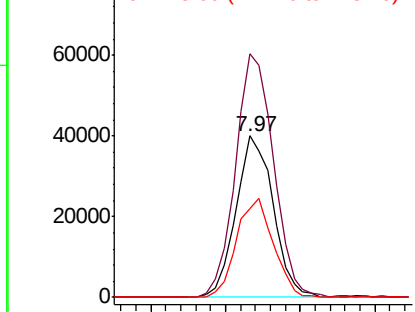
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG045379.D
Acq: 14 May 2020 15:50

Instrument :
BNA_G
ClientSampleId :
SU-02-051220

Tot Ion:152 Resp: 69291
Ion Ratio Lower Upper
152 100
150 150.8 123.6 185.4
115 55.2 49.1 73.7



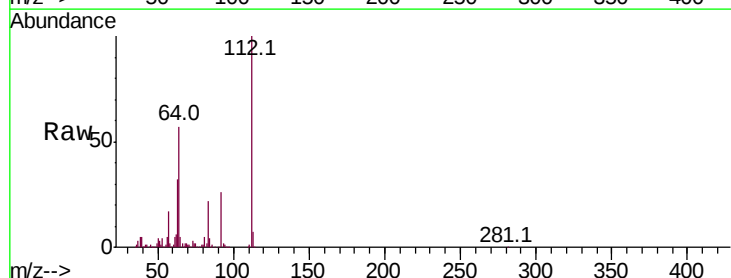
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



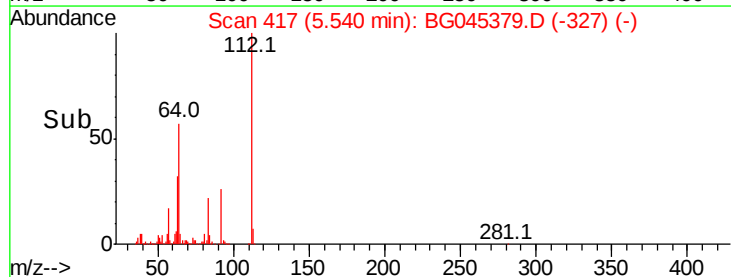
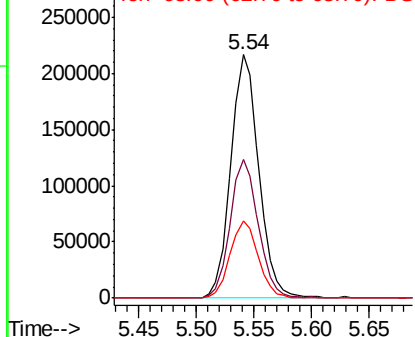
#5

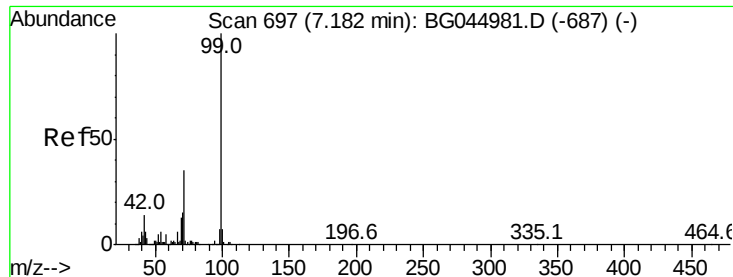
2-Fluorophenol
Concen: 86.833 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045379.D
Acq: 14 May 2020 15:50

Tgt Ion:112 Resp: 364442
Ion Ratio Lower Upper
112 100
64 57.2 42.4 63.6
63 31.6 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: 75.214 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

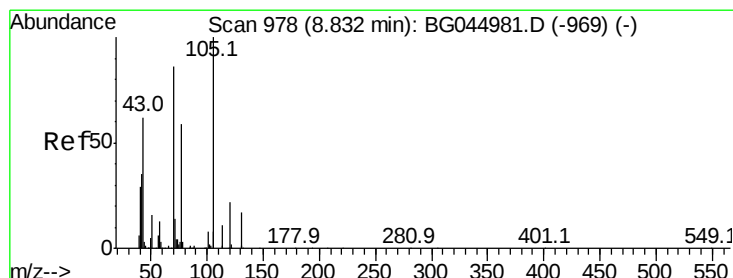
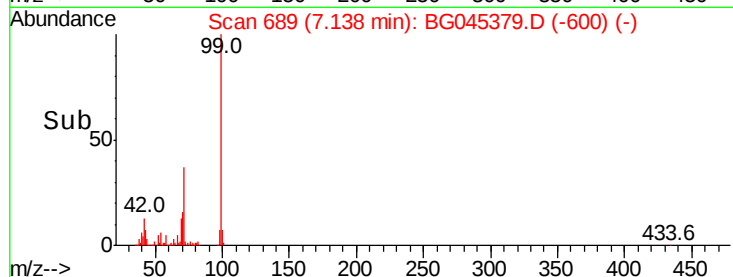
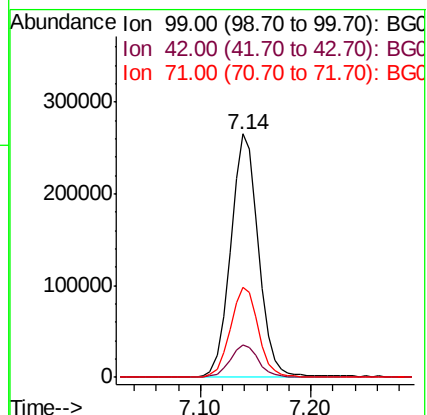
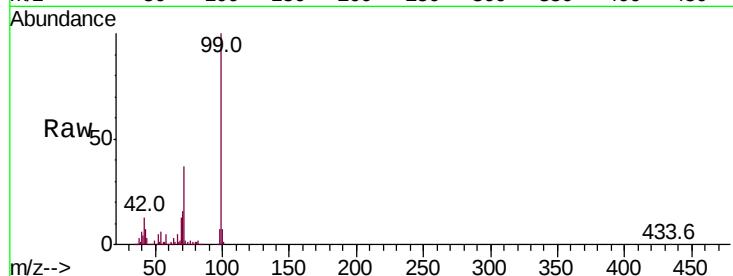
Tot Ion: 99 Resp: 469014

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

71 37.2 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.194 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Tgt Ion: 70 Resp: 58187

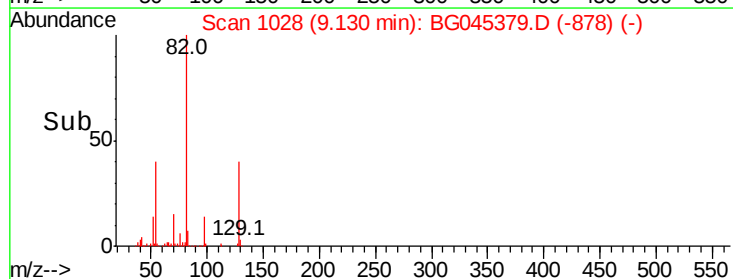
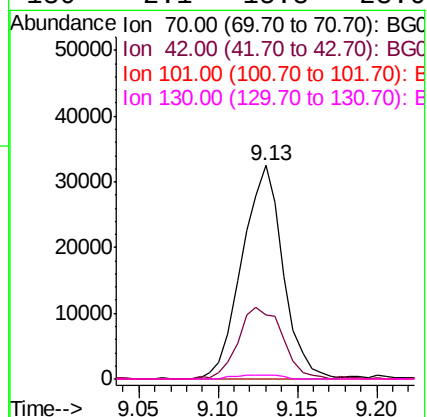
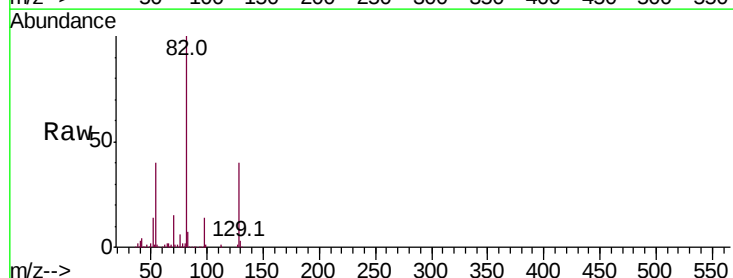
Ion Ratio Lower Upper

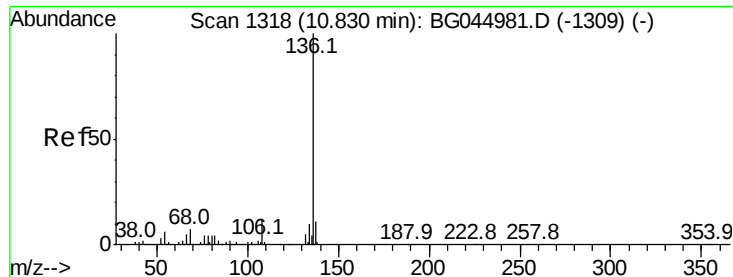
70 100

42 30.1 33.3 49.9#

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

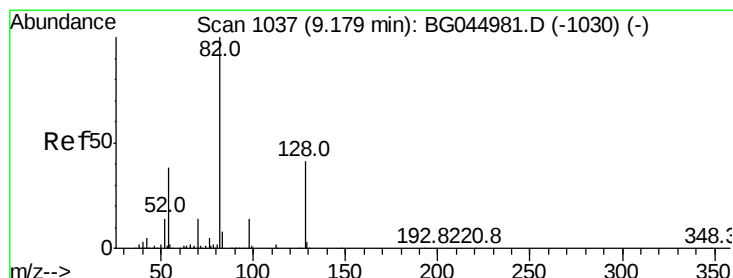
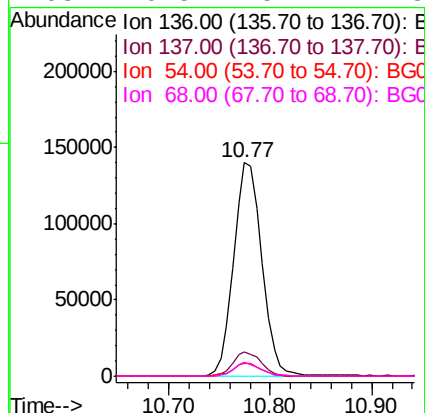
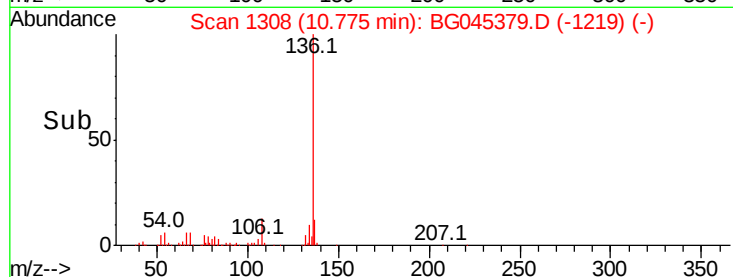
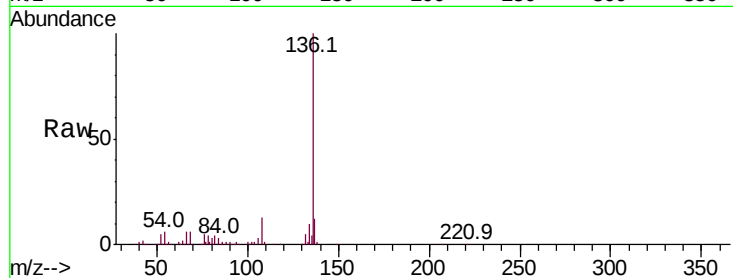




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BG045379.D
Acq: 14 May 2020 15:50

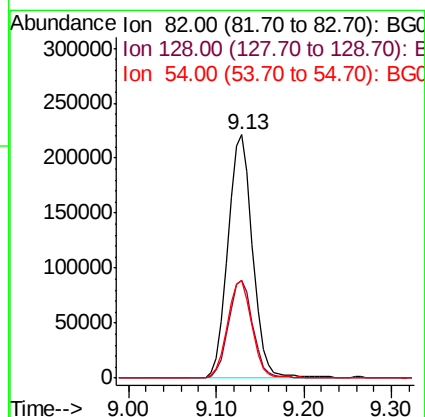
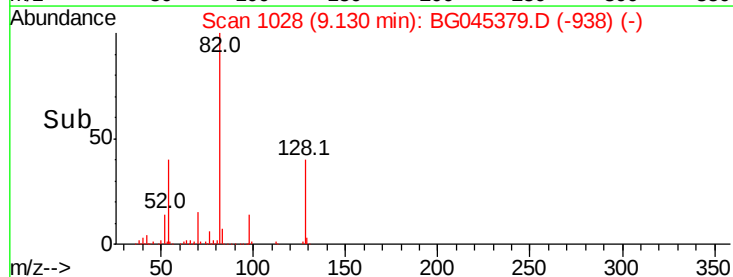
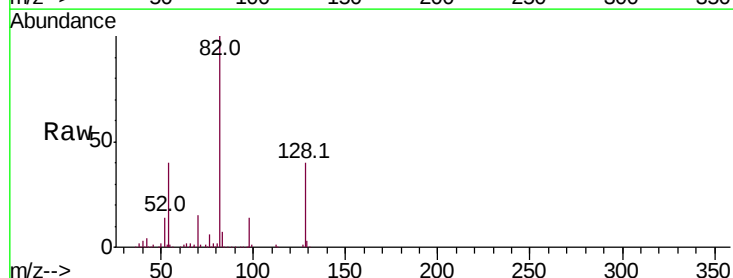
Instrument :
BNA_G
ClientSampleId :
SU-02-051220

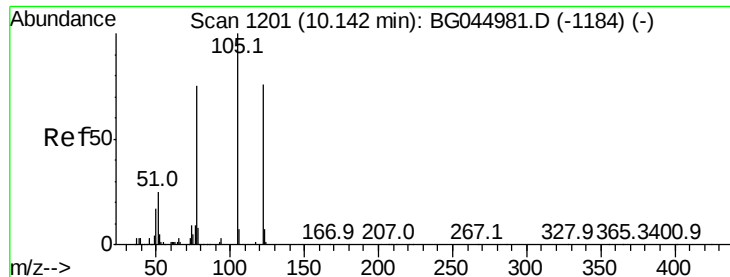
Tot Ion:136	Resp:	272187
Ion Ratio	Lower	Upper
136 100		
137 11.7	8.6	13.0
54 6.0	4.8	7.2
68 6.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 71.716 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045379.D
Acq: 14 May 2020 15:50

Tgt Ion: 82	Resp: 427803
Ion Ratio	Lower Upper
82 100	
128 40.4	33.0 49.4
54 40.1	30.4 45.6





#32

Benzoic acid

Concen: 6.394 ng

RT: 10.26 min Scan# 1220

Delta R.T. 0.14 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

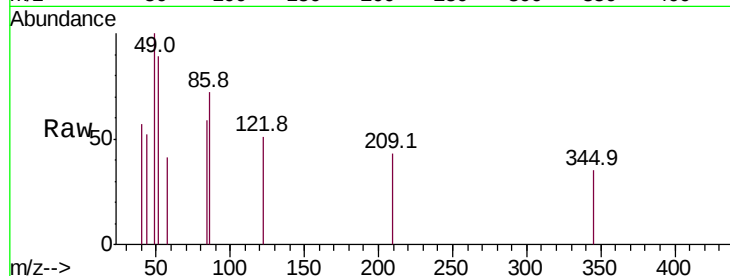
Tot Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

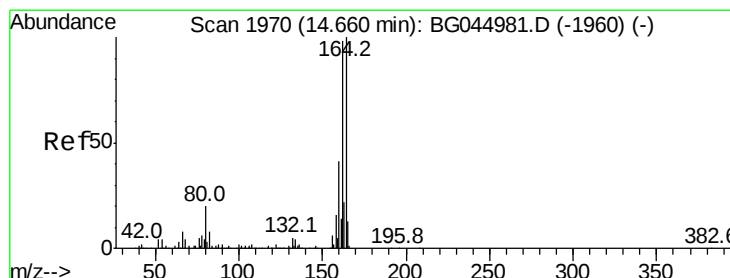
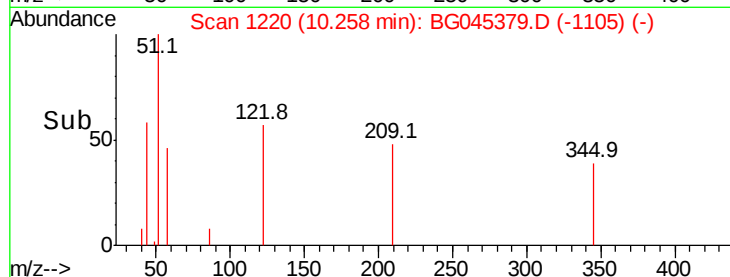
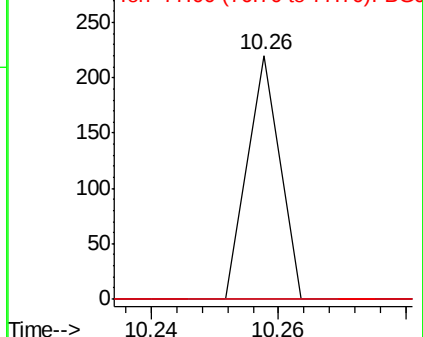
77 0.0 78.8 118.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

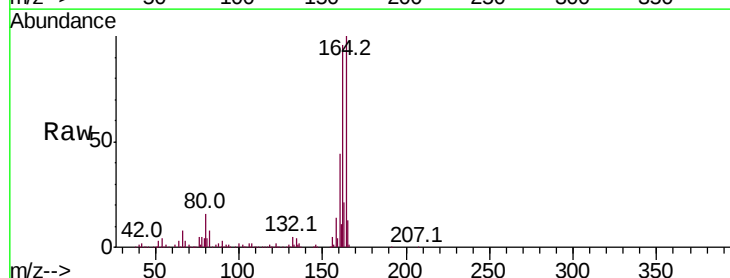
Tgt Ion:164 Resp: 208762

Ion Ratio Lower Upper

164 100

162 95.7 78.7 118.1

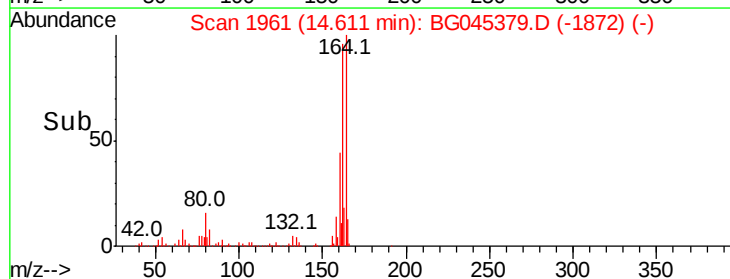
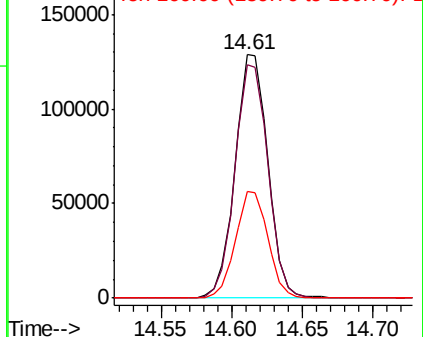
160 43.8 32.8 49.2

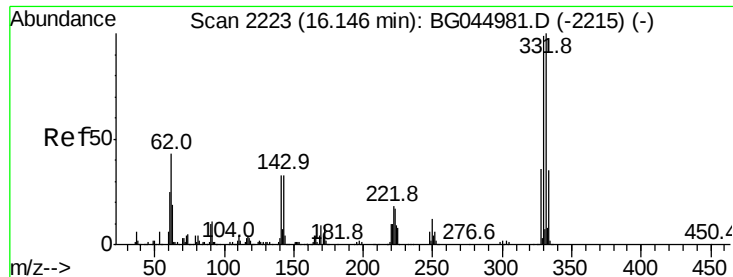


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

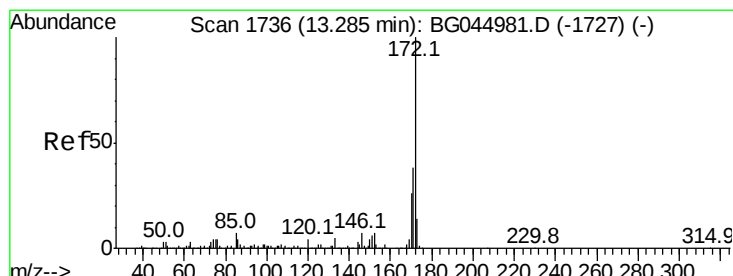
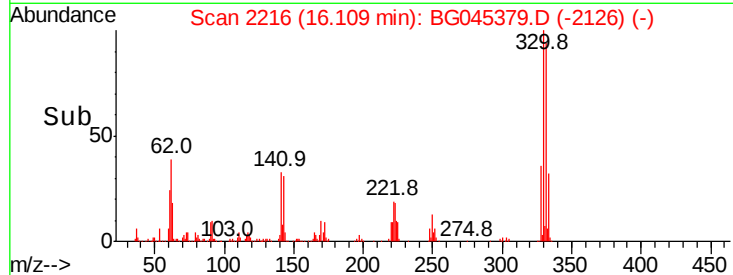
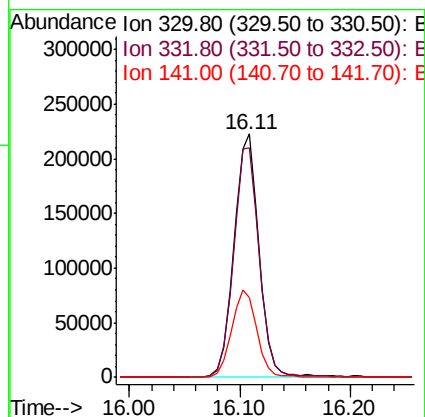
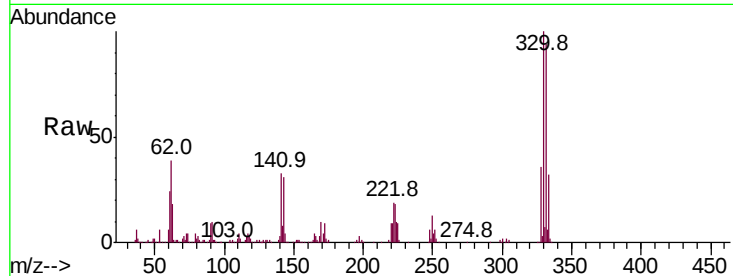




#42
 2,4,6-Tribromophenol
 Concen: 109.261 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG045379.D
 Acq: 14 May 2020 15:50

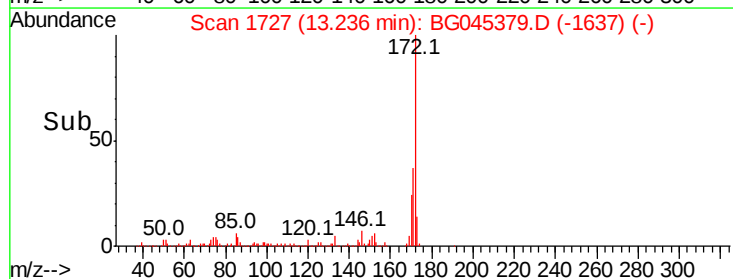
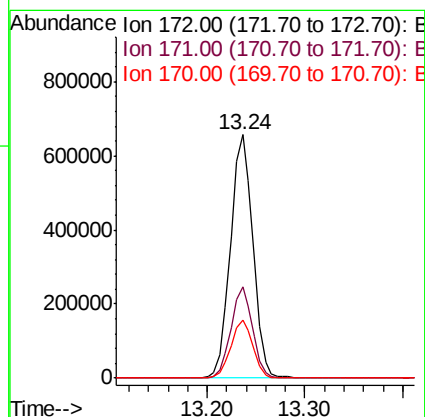
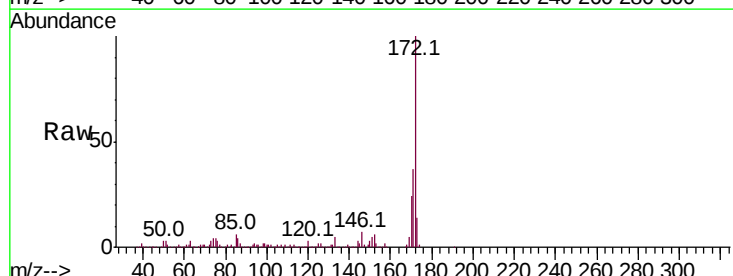
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 BNA_G
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 SU-02-051220

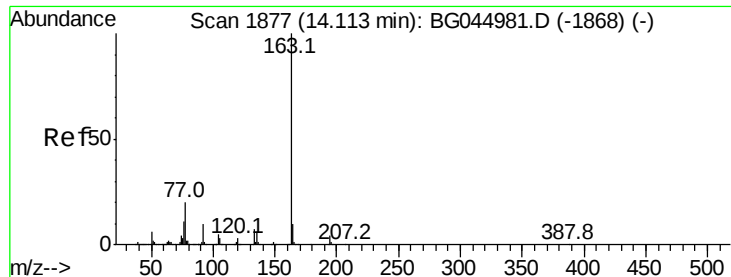
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	36.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 73.532 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045379.D
 Acq: 14 May 2020 15:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	23.9	20.5	30.7





#50

Dimethylphthalate

Concen: 6.155 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

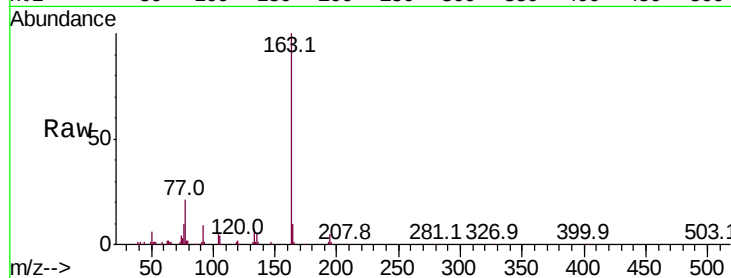
Tot Ion:163 Resp: 104620

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

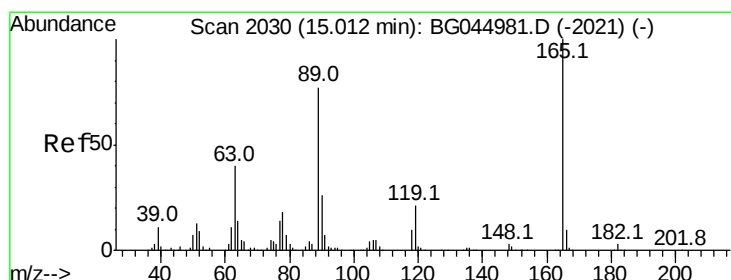
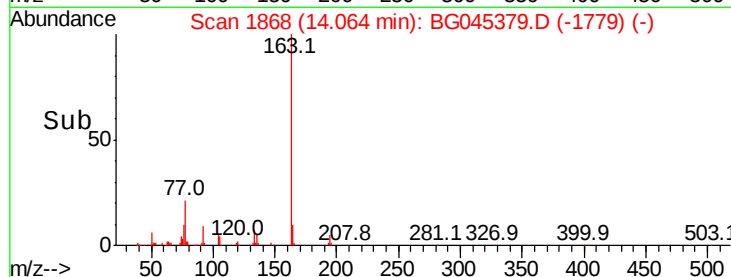
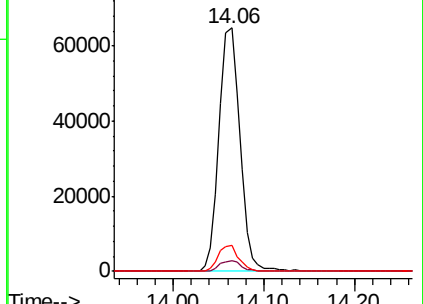
164 10.4 8.2 12.4



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: 4.784 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.37 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Tgt Ion:165 Resp: 26582

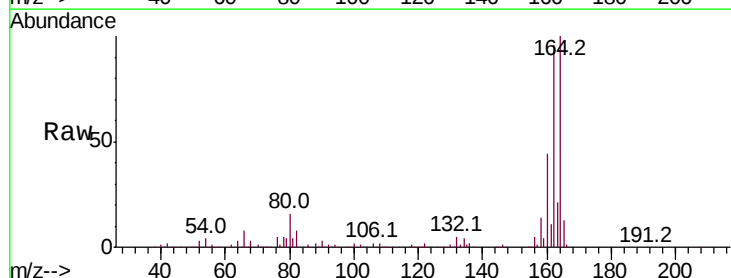
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.1 61.7 92.5#

182 0.0 2.0 3.0#

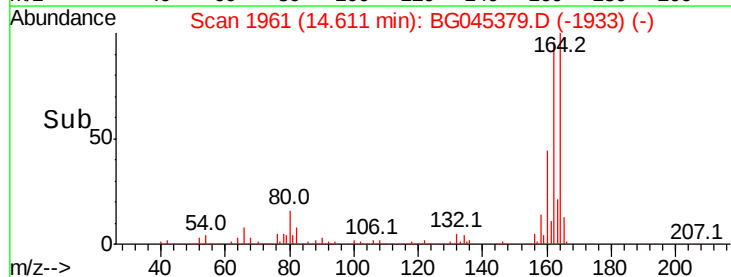
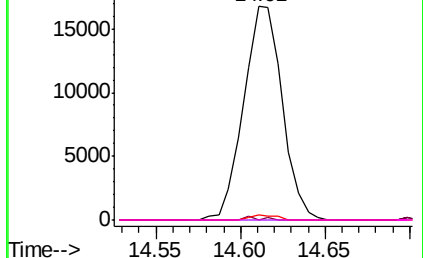


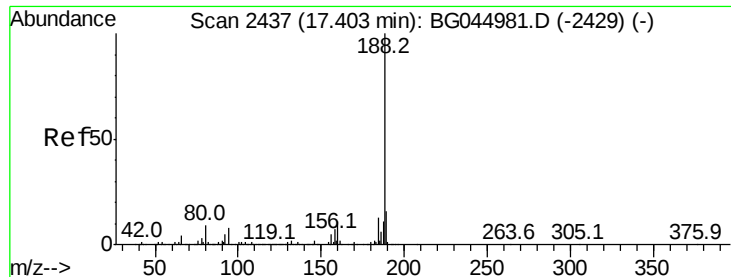
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

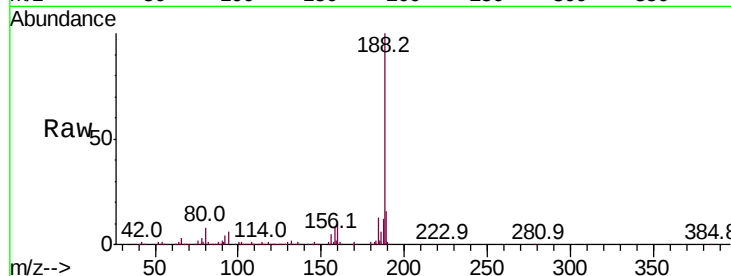
Tot Ion:188 Resp: 504202

Ion Ratio Lower Upper

188 100

94 5.9 6.2 9.4#

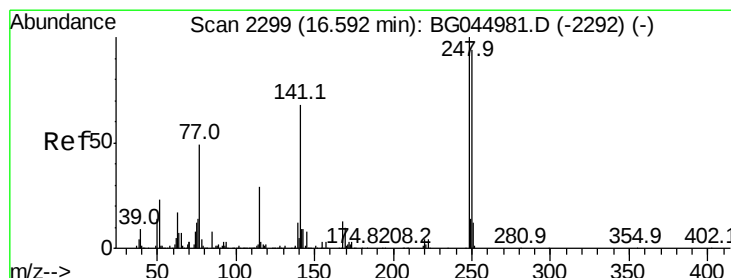
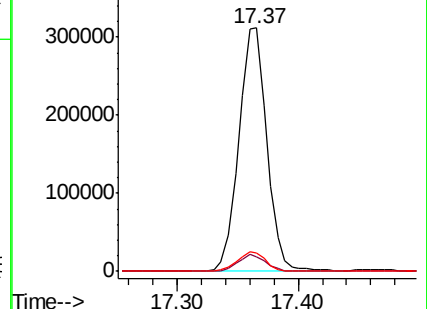
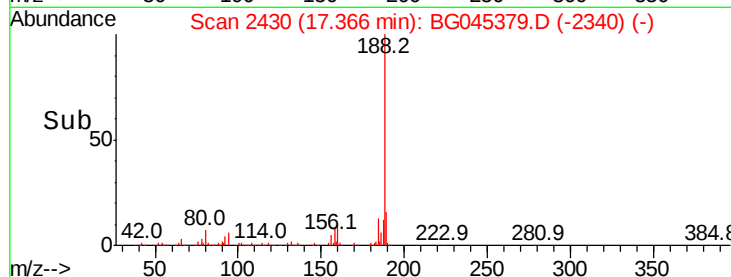
80 7.6 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.699 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

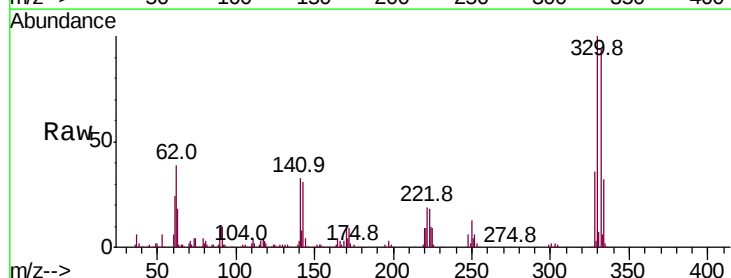
Tgt Ion:248 Resp: 24062

Ion Ratio Lower Upper

248 100

250 202.4 75.4 113.2#

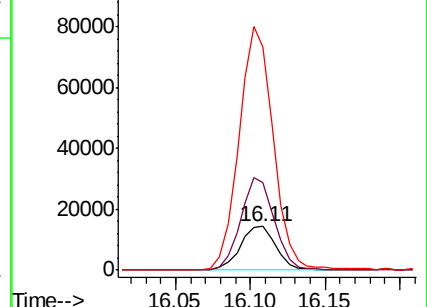
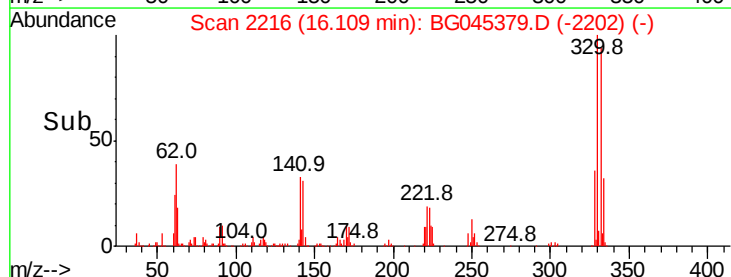
141 514.3 54.4 81.6#

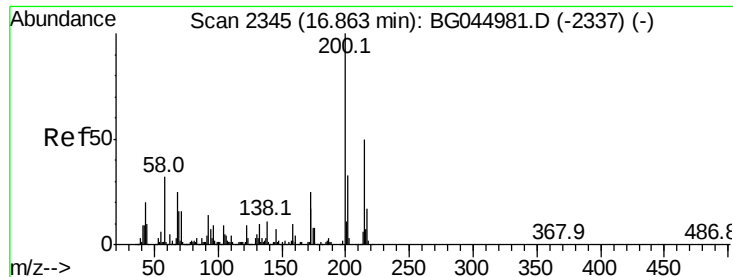


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.10 min Scan# 2384

Delta R.T. 0.27 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

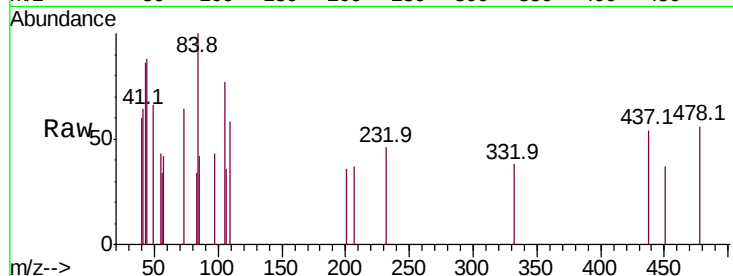
Tot Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

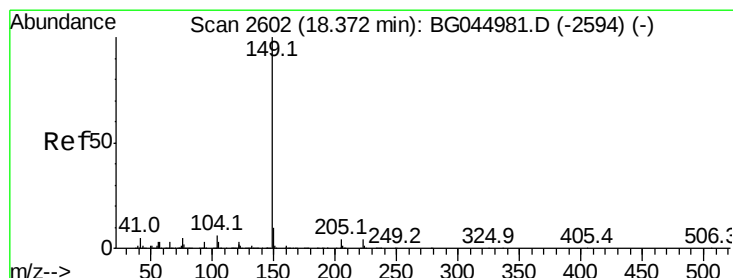
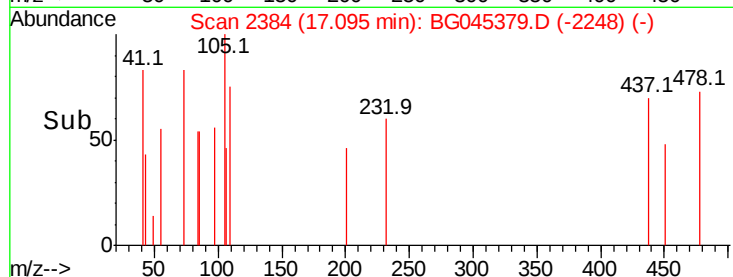
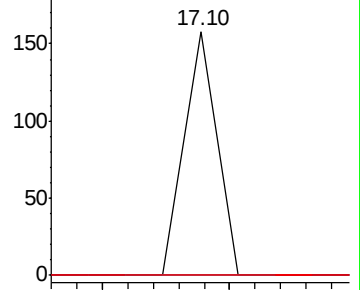
215 0.0 30.0 70.0#



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: 18.33 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

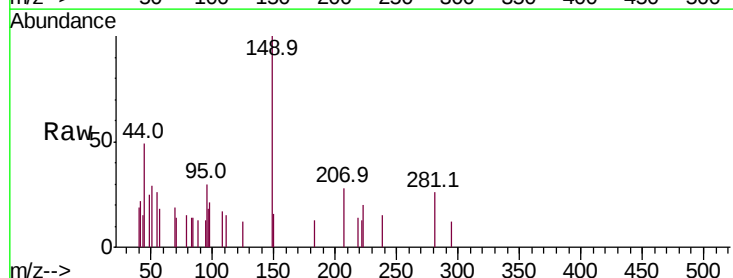
Tgt Ion:149 Resp: 1894

Ion Ratio Lower Upper

149 100

150 15.7 8.2 12.2#

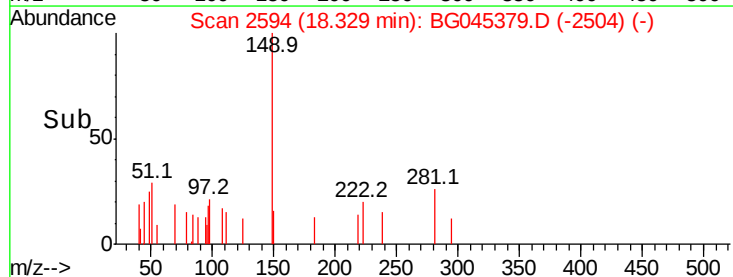
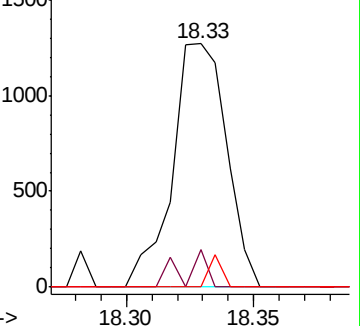
104 0.0 4.8 7.2#

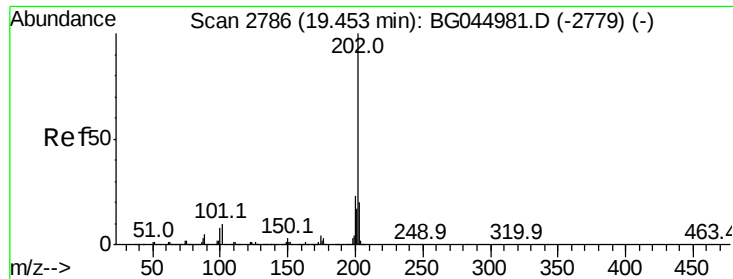


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

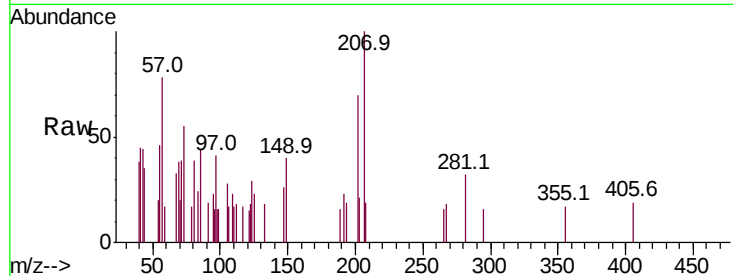
Tot Ion:202 Resp: 1093

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

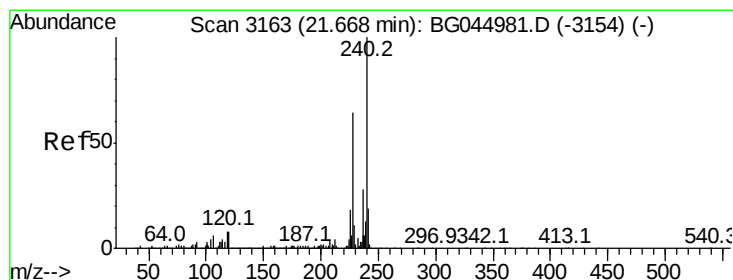
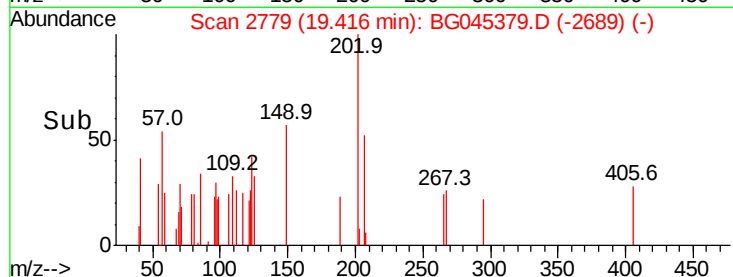
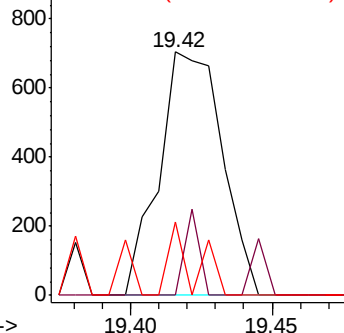
203 29.9 0.0 39.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

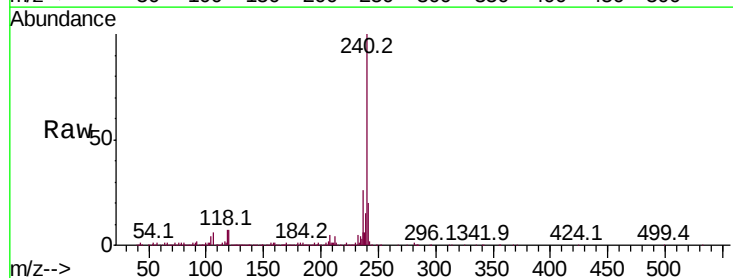
Tgt Ion:240 Resp: 504783

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

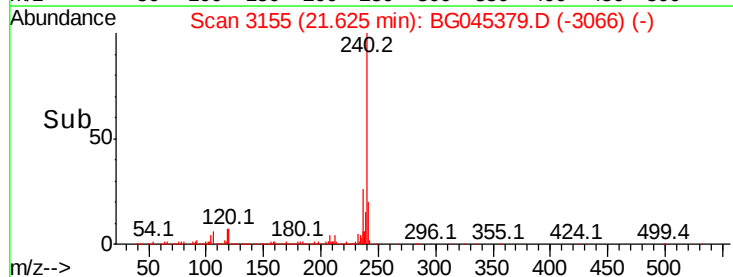
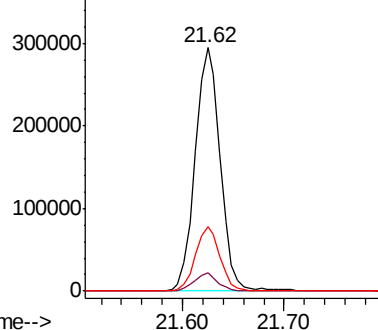
236 26.4 22.2 33.2

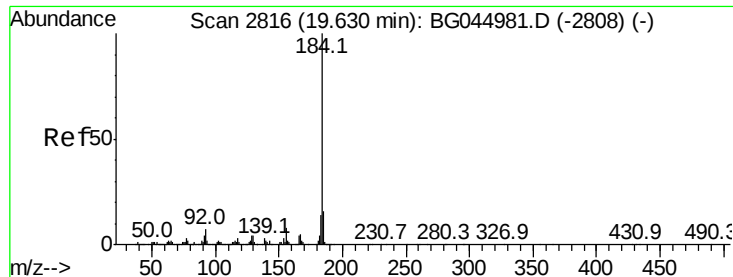


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.39 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

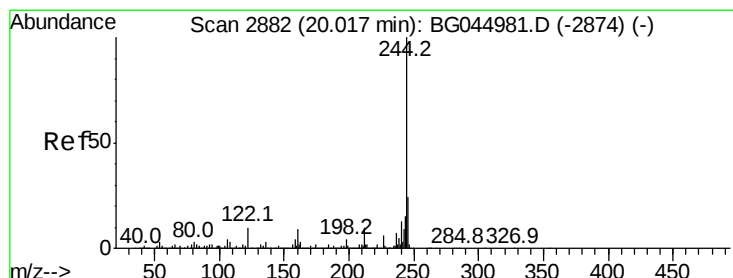
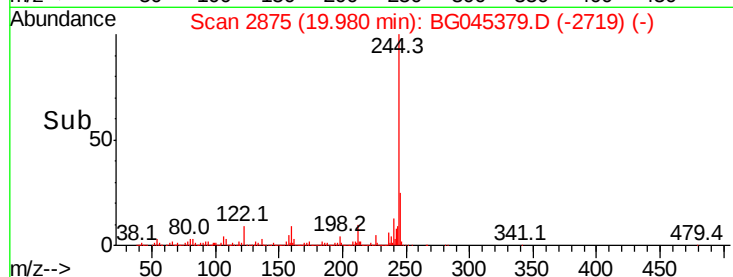
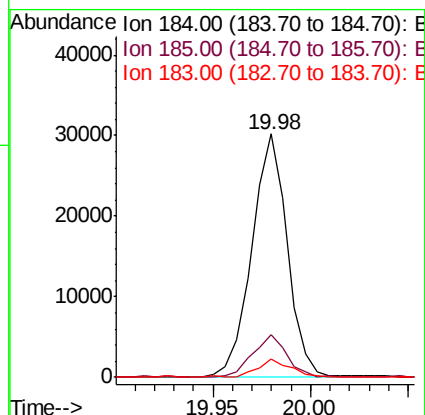
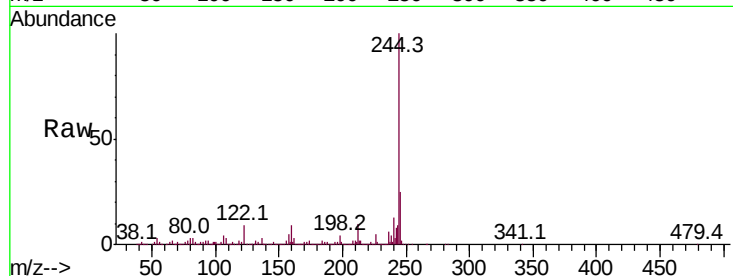
Tot Ion:184 Resp: 37968

Ion Ratio Lower Upper

184 100

185 17.8 12.6 19.0

183 7.3 11.3 16.9#



#79

Terphenyl-d14

Concen: 84.294 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045379.D

Acq: 14 May 2020 15:50

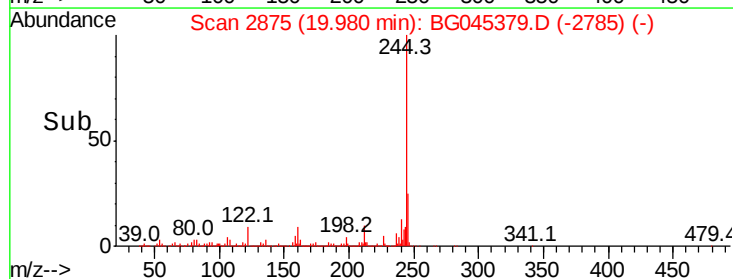
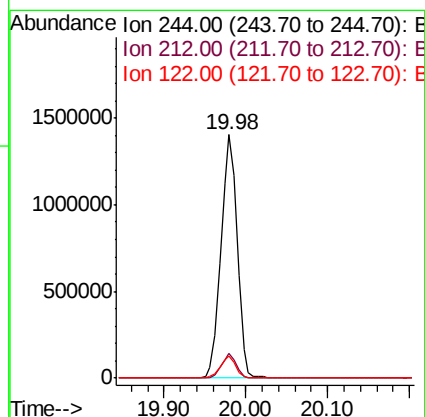
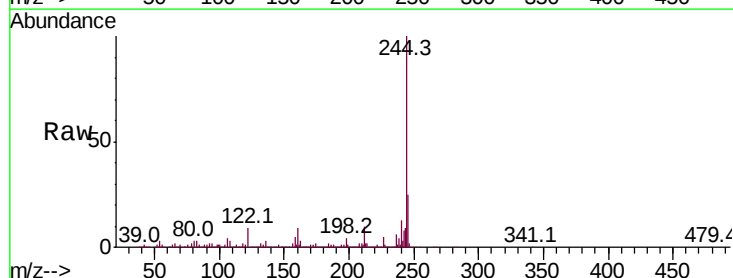
Tgt Ion:244 Resp: 1952223

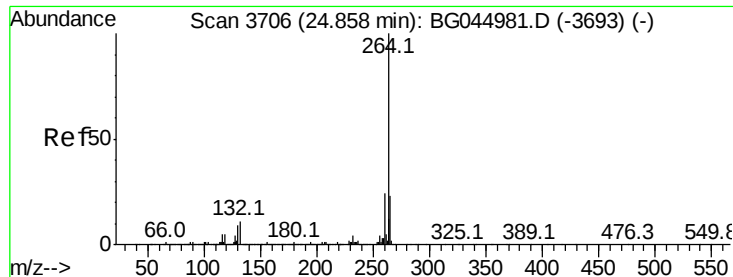
Ion Ratio Lower Upper

244 100

212 10.2 7.9 11.9

122 9.3 7.7 11.5





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045379.D
Acq: 14 May 2020 15:50

Instrument :
BNA_G
ClientSampleId :
SU-02-051220

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	19.0	28.4

