

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
 Data File : BG045232.D
 Acq On : 4 May 2020 13:50
 Operator : CG/JU
 Sample : PB128631BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128631BL

Quant Time: May 04 14:25:45 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 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	66170	20.00	ng	0.01
21) Naphthalene-d8	10.81	136	255275	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	193307	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	468484	20.00	ng	0.00
76) Chrysene-d12	21.65	240	459341	20.00	ng	0.00
87) Perylene-d12	24.83	264	485267	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	524685	130.91	ng	0.00
7) Phenol-d6	7.16	99	738131	123.95	ng	0.00
23) Nitrobenzene-d5	9.16	82	497255	88.88	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	382601	128.12	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1171716	88.88	ng	0.00
79) Terphenyl-d14	20.00	244	2091164	99.23	ng	0.00

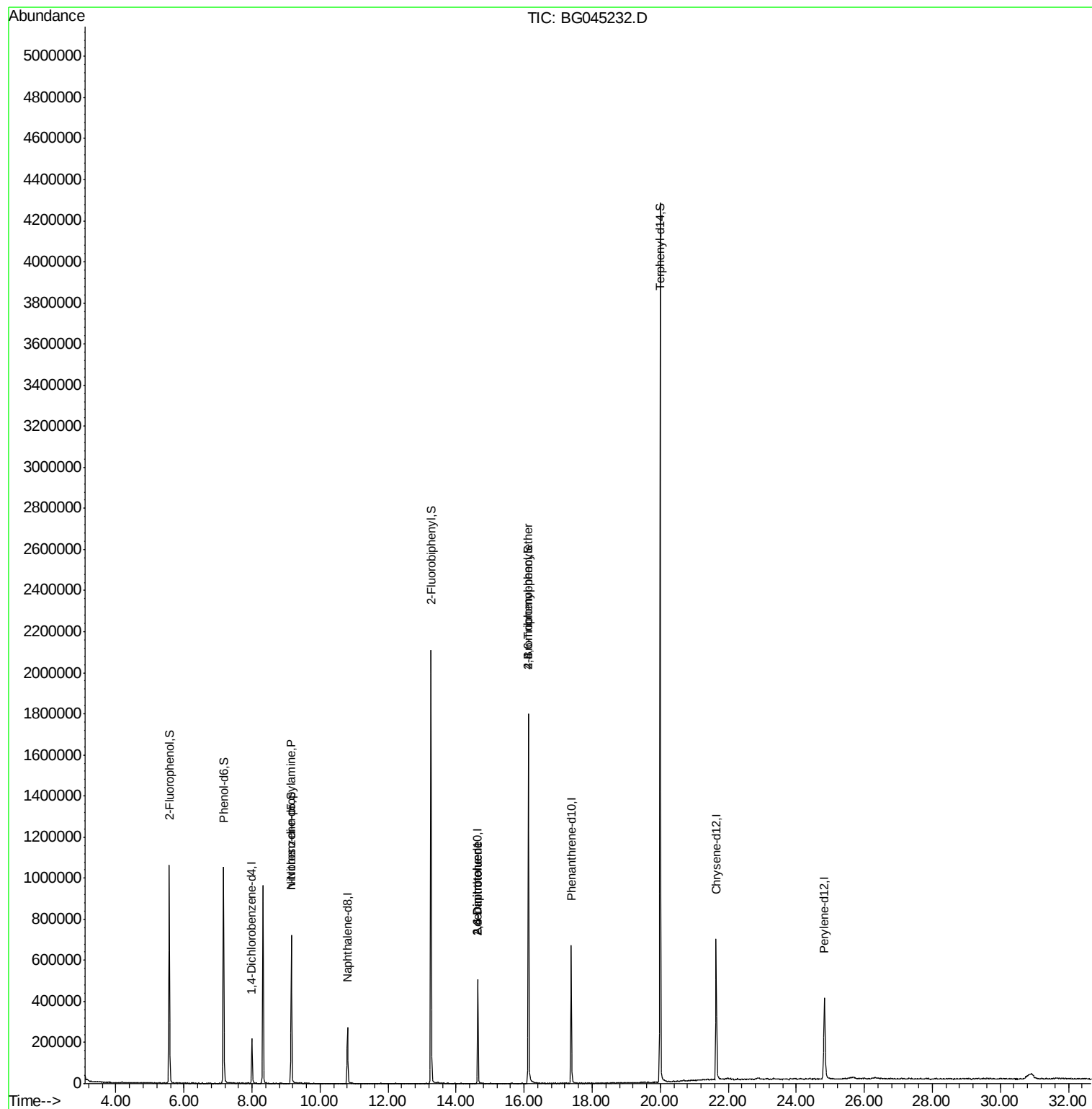
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1522	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	66211	15.722	ng	# 82
51) 2,6-Dinitrotoluene	14.64	165	25816	7.333	ng	# 25
57) 2,4-Dinitrotoluene	14.64	165	25816	5.018	ng	# 22
67) 4-Bromophenyl-phenylether	16.12	248	26342	4.359	ng	# 1
69) Atrazine	16.67	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	206	Below Cal	#	76
75) Fluoranthene	19.81	202	156	Below Cal	#	62
77) Benizidine	20.00	184	40561	Below Cal	#	90

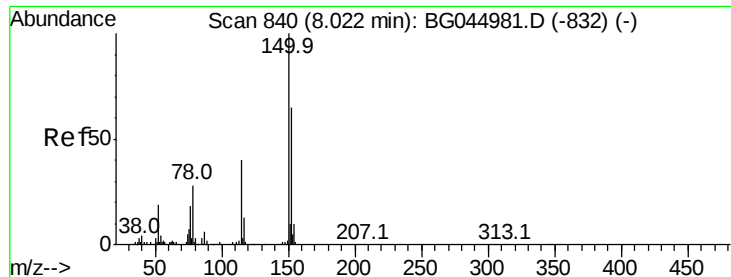
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 04 13:03:14 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Instrument :

BNA_G

ClientSampleId :

PB128631BL

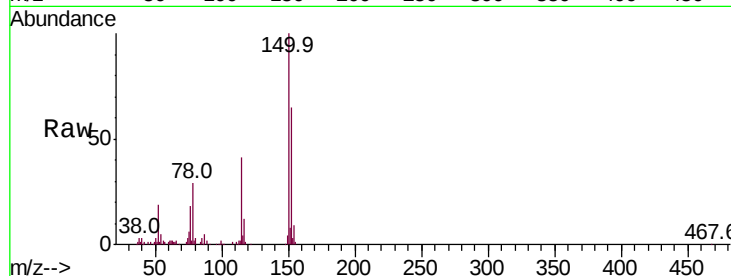
Tot Ion:152 Resp: 66170

Ion Ratio Lower Upper

152 100

150 153.0 123.6 185.4

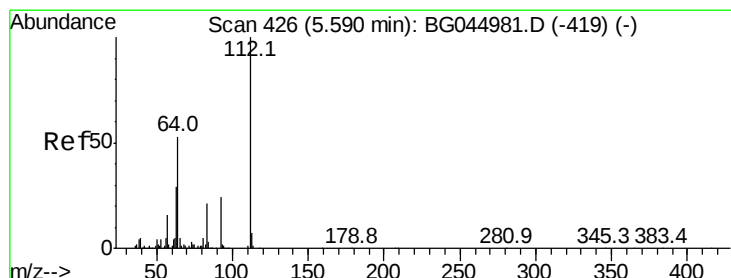
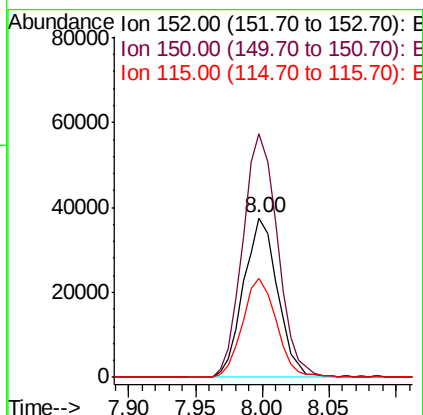
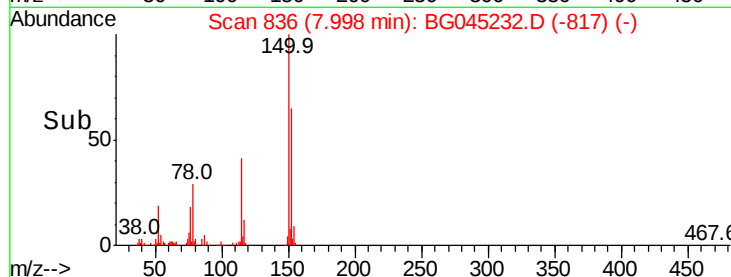
115 62.3 49.1 73.7



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: 130.909 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

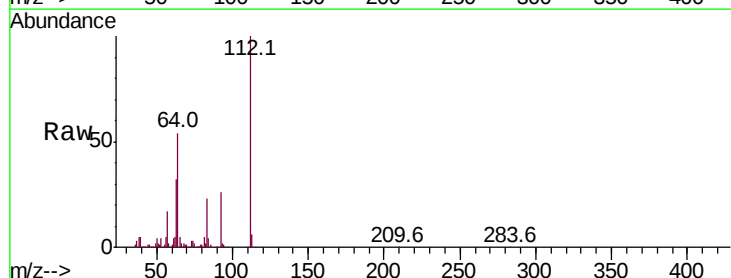
Tgt Ion:112 Resp: 524685

Ion Ratio Lower Upper

112 100

64 53.9 42.4 63.6

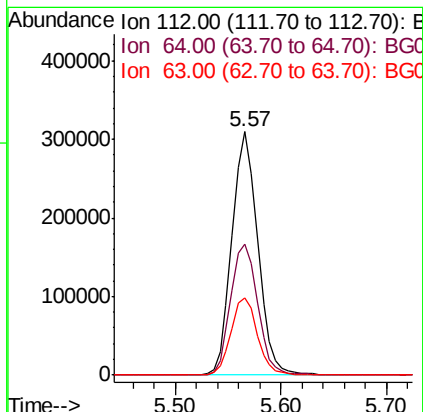
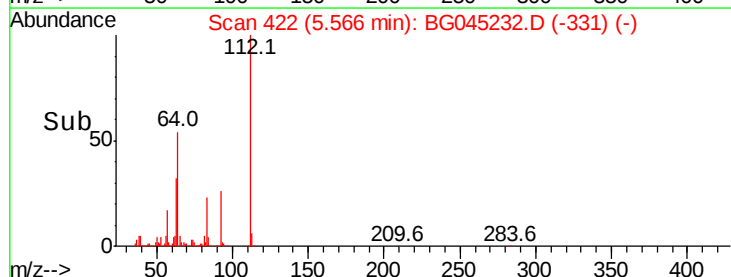
63 31.8 23.1 34.7



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: 123.954 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Instrument :

BNA_G

ClientSampleId :

PB128631BL

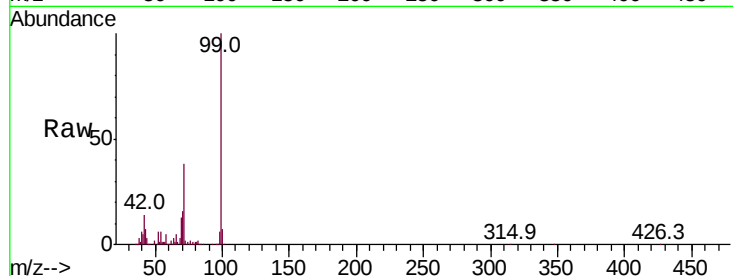
Tot Ion: 99 Resp: 738131

Ion Ratio Lower Upper

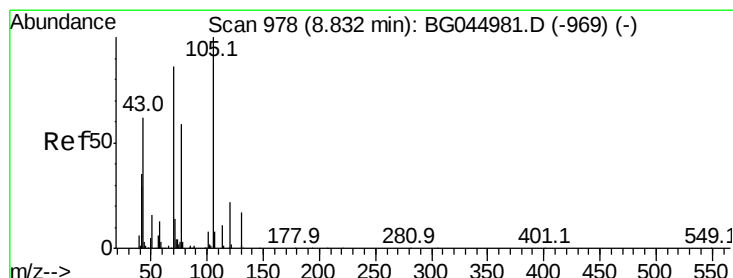
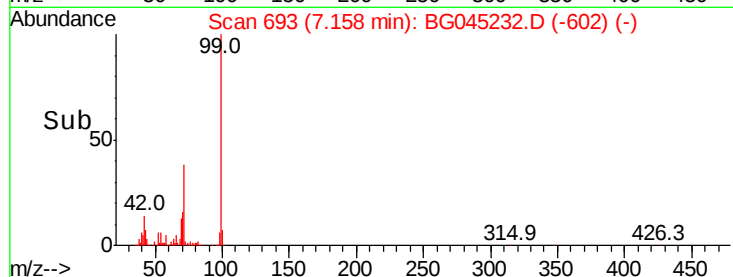
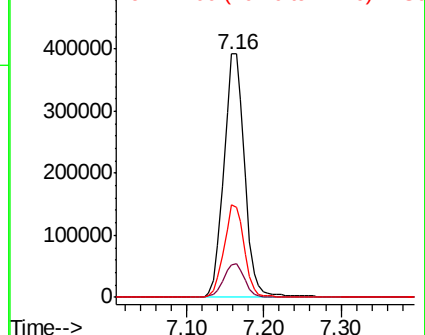
99 100

42 13.6 11.3 16.9

71 38.2 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.722 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.36 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Tgt Ion: 70 Resp: 66211

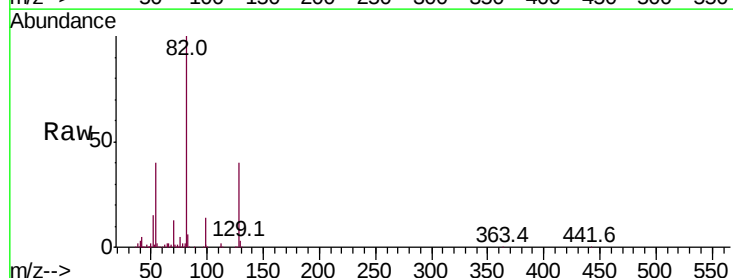
Ion Ratio Lower Upper

70 100

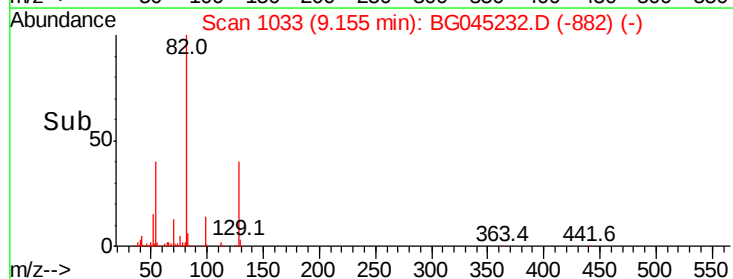
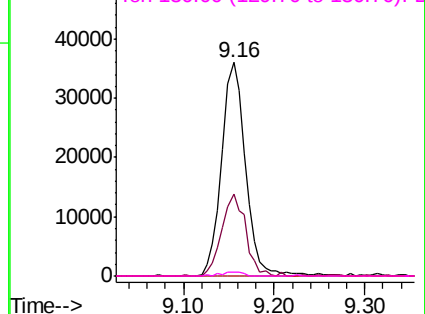
42 38.4 33.3 49.9

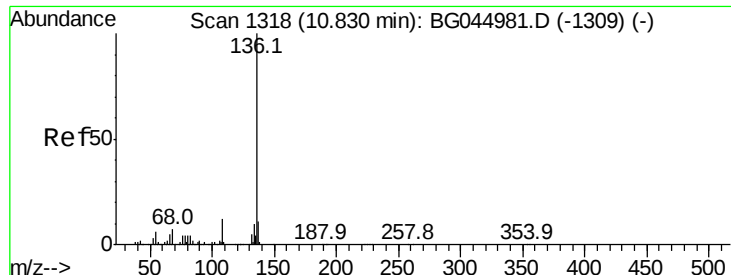
101 0.0 7.8 11.8#

130 1.8 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

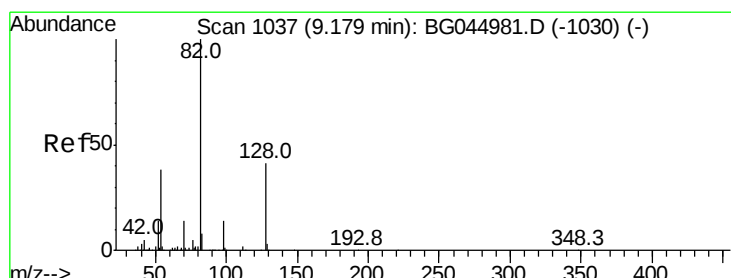
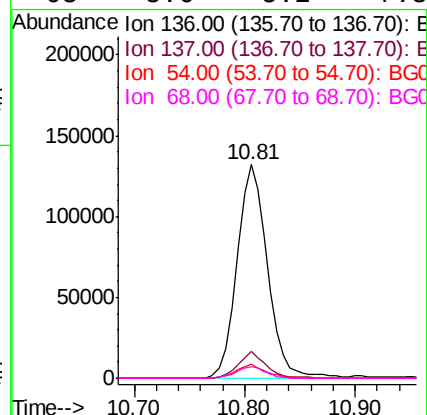
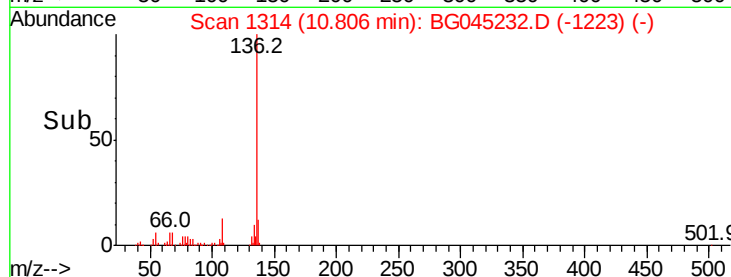
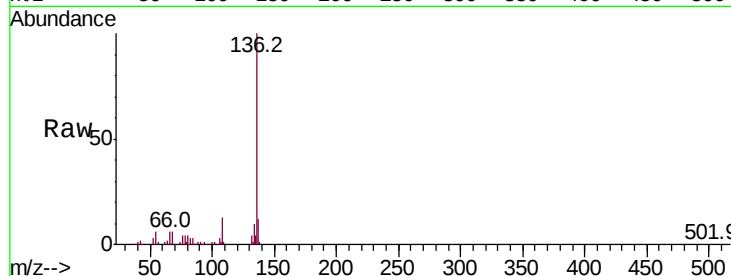




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

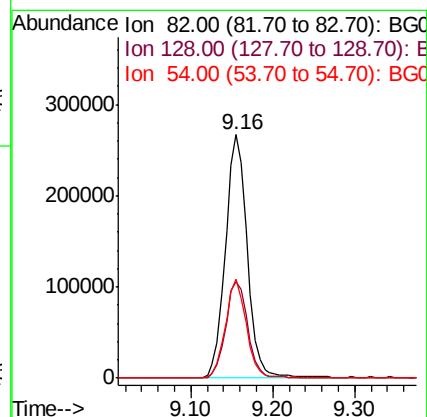
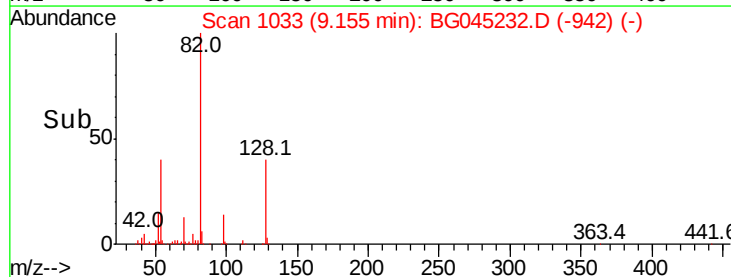
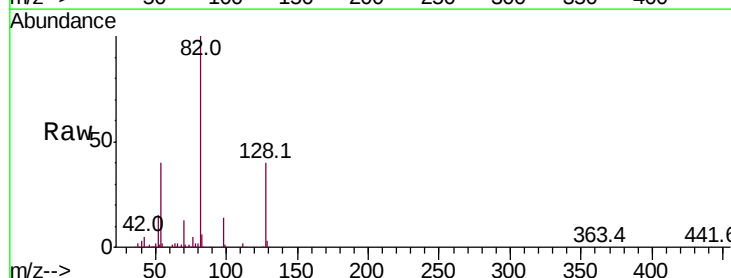
Instrument :
BNA_G
ClientSampleId :
PB128631BL

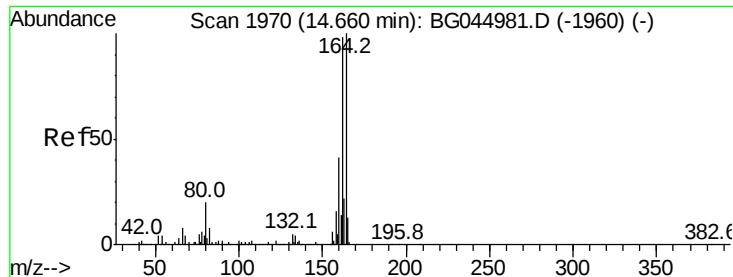
Tot Ion:136	Resp: 255275
Ion Ratio	Lower Upper
136 100	
137 12.5	8.6 13.0
54 6.4	4.8 7.2
68 5.6	5.2 7.8



#23
Nitrobenzene-d5
Concen: 88.881 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

Tgt Ion: 82	Resp: 497255
Ion Ratio	Lower Upper
82 100	
128 39.8	33.0 49.4
54 40.4	30.4 45.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Instrument :

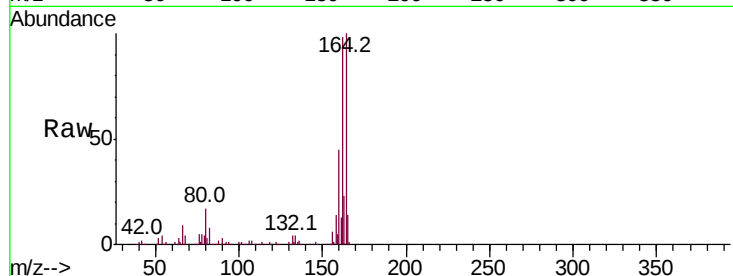
BNA_G

ClientSampleId :

PB128631BL

Tot Ion:164 Resp: 193307

Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.7	118.1
160	44.9	32.8	49.2

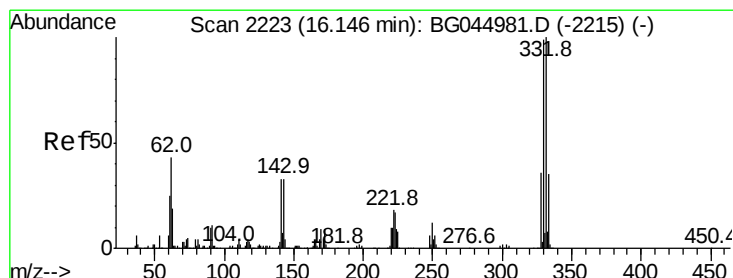
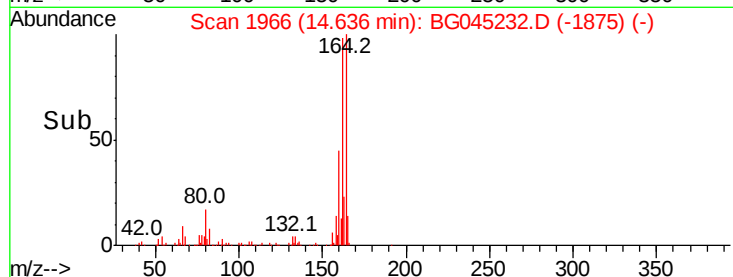
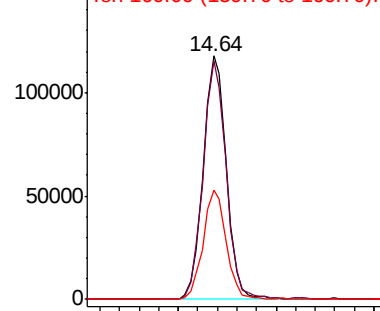


Abundance

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: 128.117 ng

RT: 16.13 min Scan# 2220

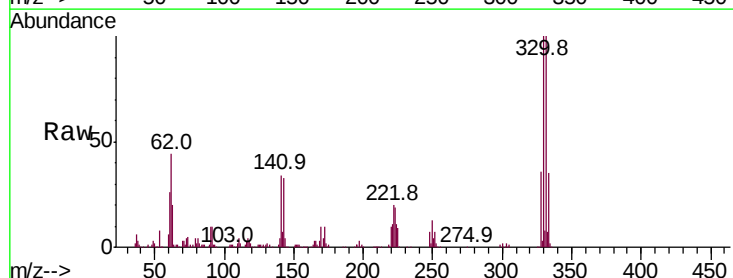
Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Tgt Ion:330 Resp: 382601

Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.1	118.7
141	35.0	27.1	40.7

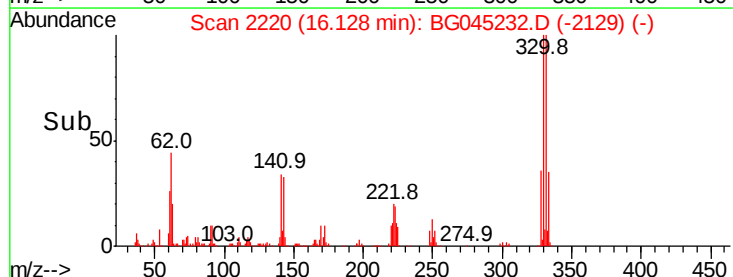
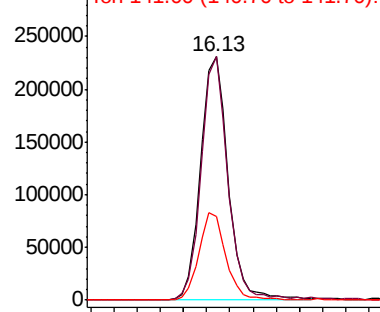


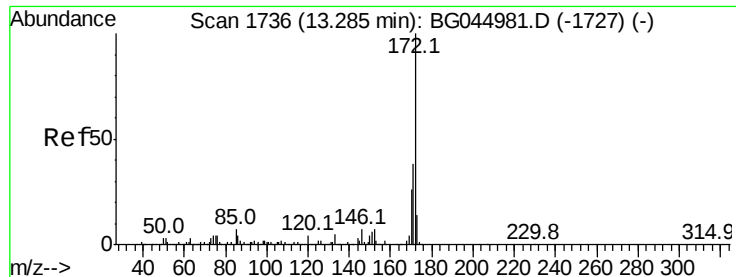
Abundance

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



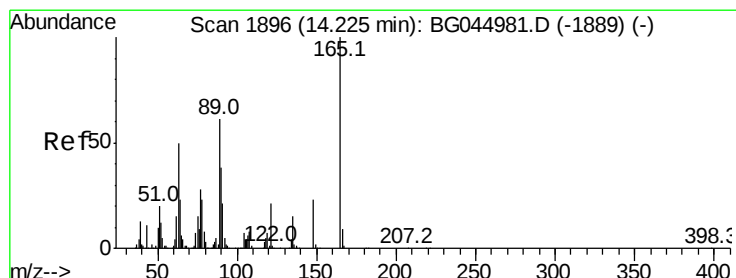
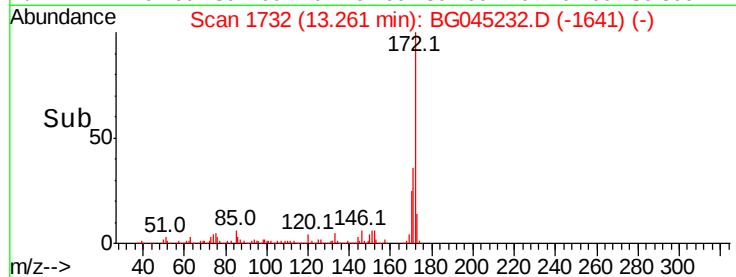
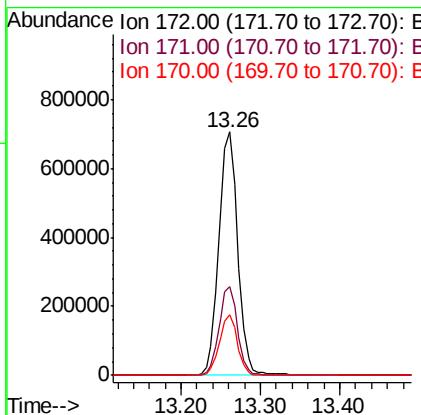
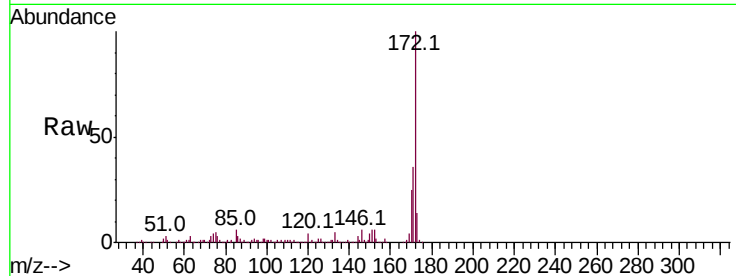


#45
 2-Fluorobiphenyl
 Concen: 88.880 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: BG045232.D
 Acq: 4 May 2020 13:50

Instrument :
 BNA_G
 ClientSampleId :
 PB128631BL

Tot Ion:172 Resp: 1171716

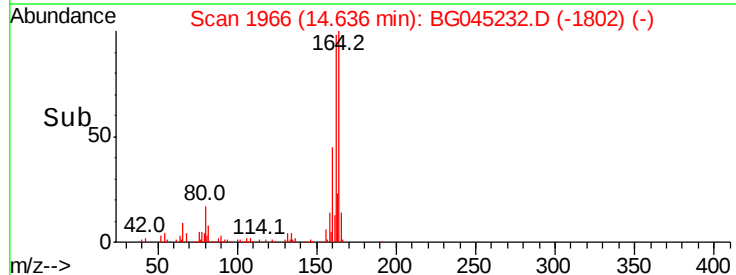
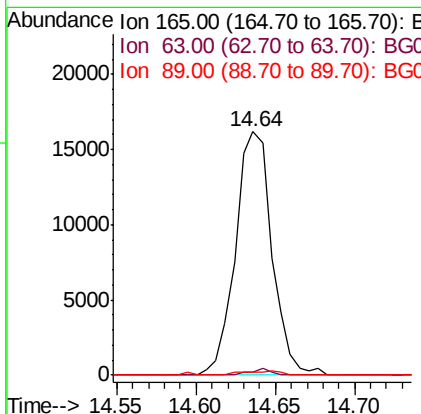
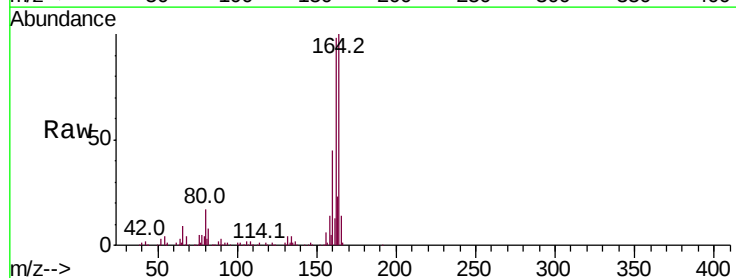
Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	46.0
170	24.6	20.5	30.7

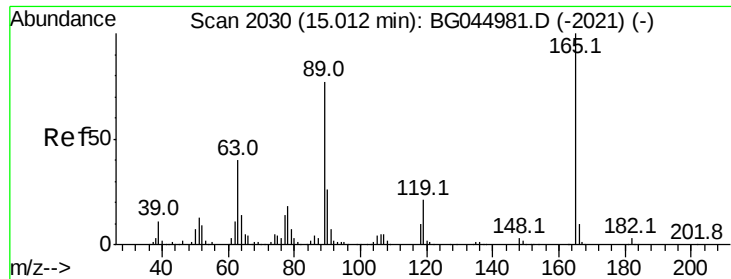


#51
 2,6-Dinitrotoluene
 Concen: 7.333 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG045232.D
 Acq: 4 May 2020 13:50

Tgt Ion:165 Resp: 25816

Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.4	60.6#
89	1.0	49.1	73.7#

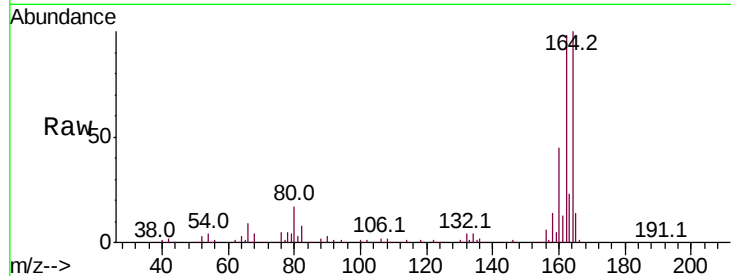




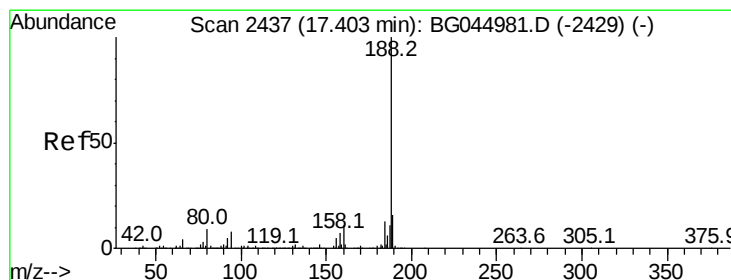
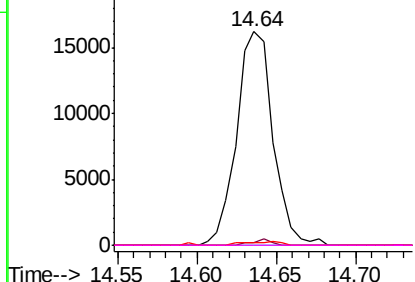
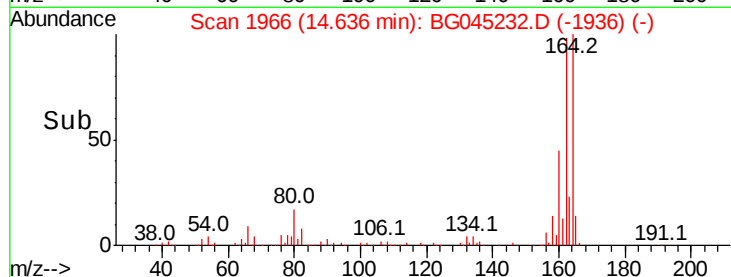
#57
 2,4-Dinitrotoluene
 Concen: 5.018 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.35 min
 Lab File: BG045232.D
 Acq: 4 May 2020 13:50

Instrument :
 BNA_G
 ClientSampleId :
 PB128631BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.2	48.2#
89	1.0	61.7	92.5#
182	0.0	2.0	3.0#

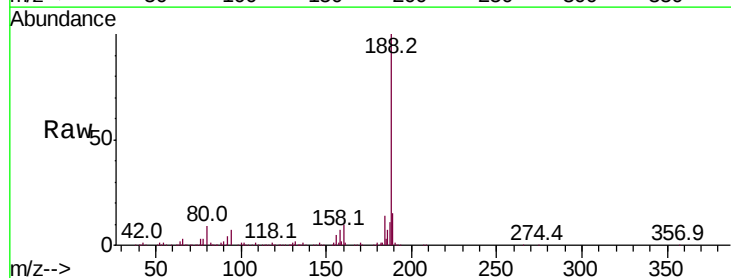


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

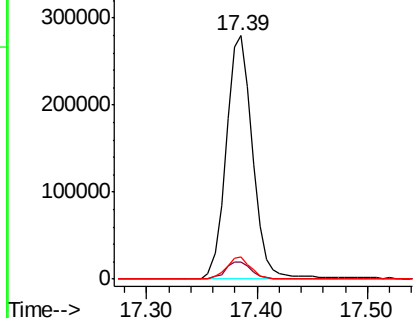
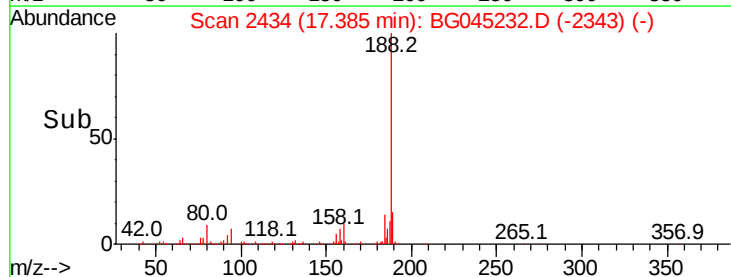


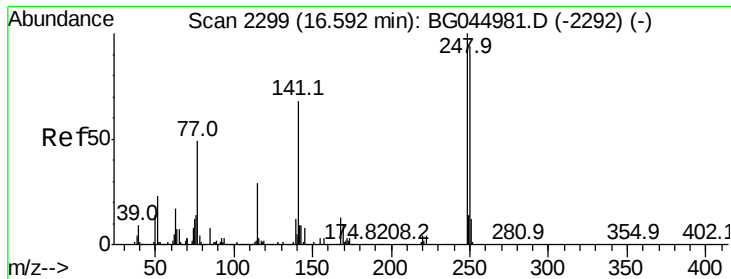
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BG045232.D
 Acq: 4 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.2	9.4
80	8.9	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

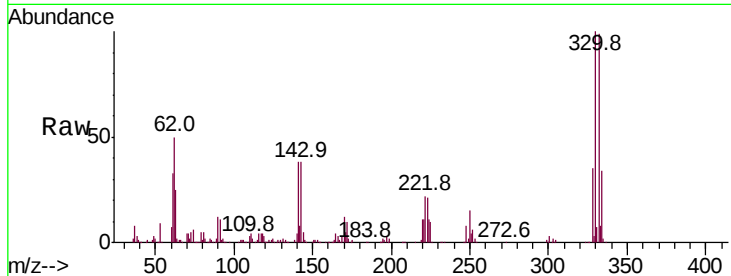




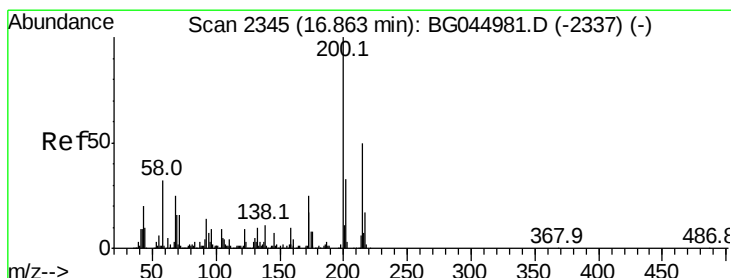
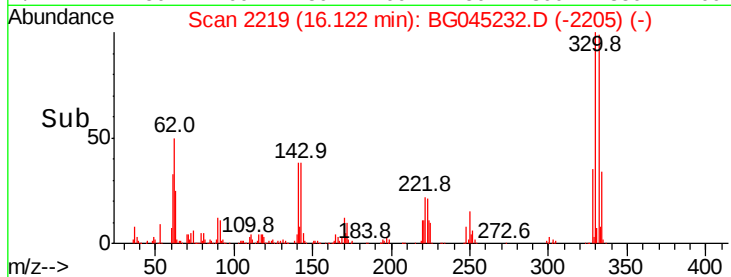
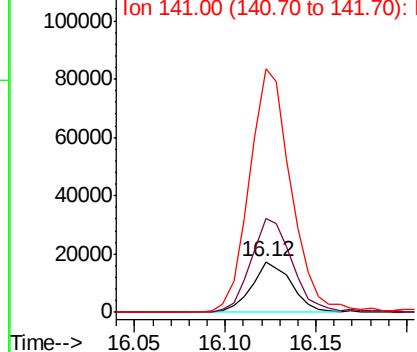
#67
4-Bromophenyl-phenylether
Concen: 4.359 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.45 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

Instrument :
BNA_G
ClientSampleId :
PB128631BL

Tot Ion:248 Resp: 26342
Ion Ratio Lower Upper
248 100
250 186.0 75.4 113.2#
141 482.9 54.4 81.6#

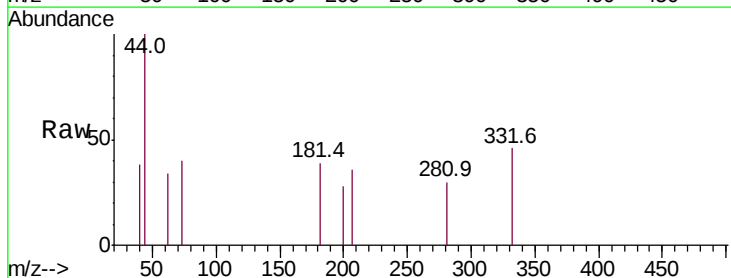


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

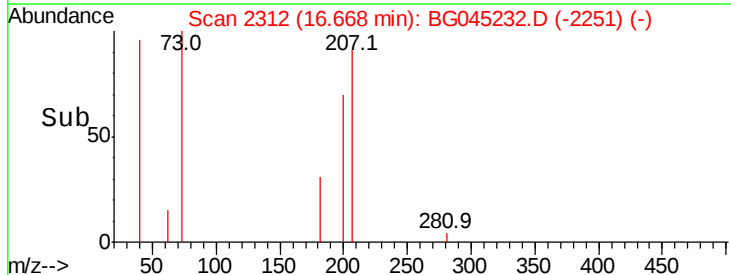
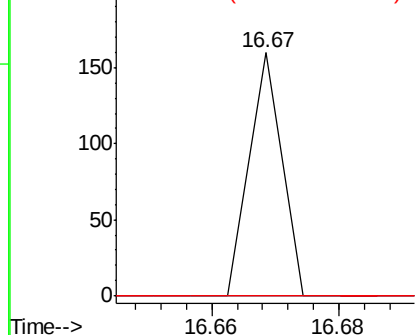


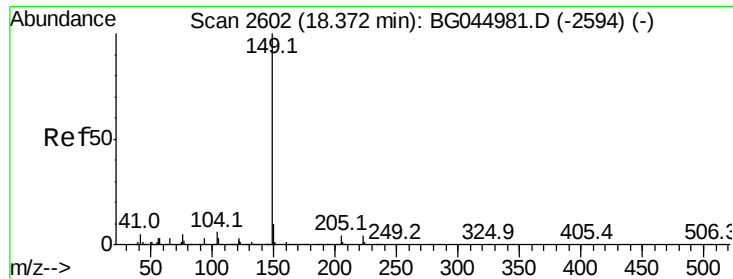
#69
Atrazine
Concen: Below Cal
RT: 16.67 min Scan# 2312
Delta R.T. -0.17 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

Tgt 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

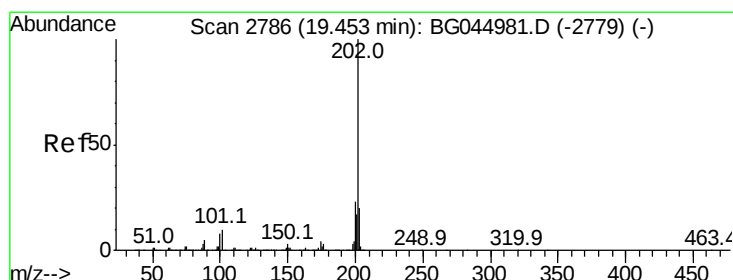
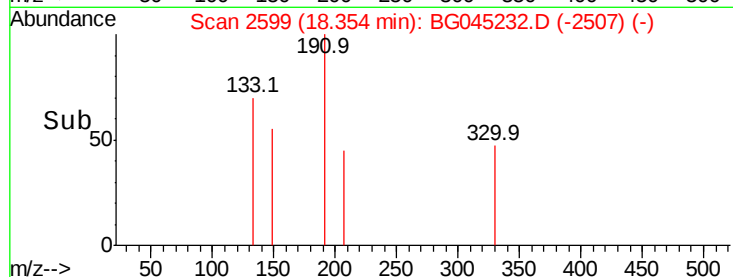
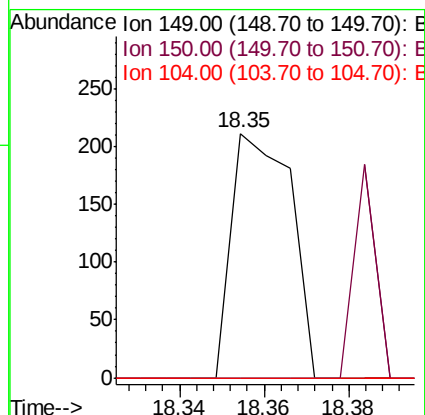
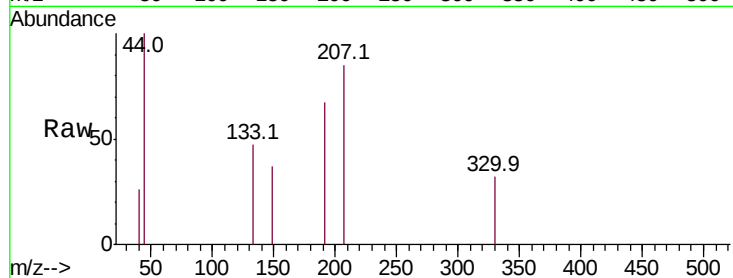




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.35 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

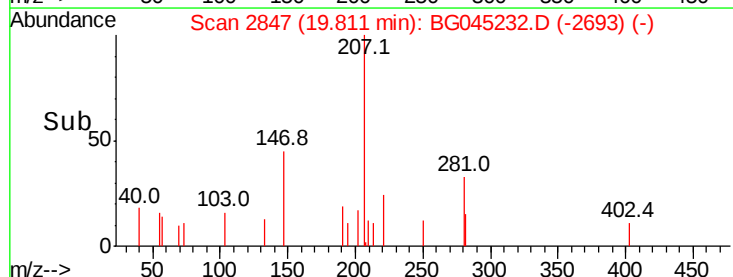
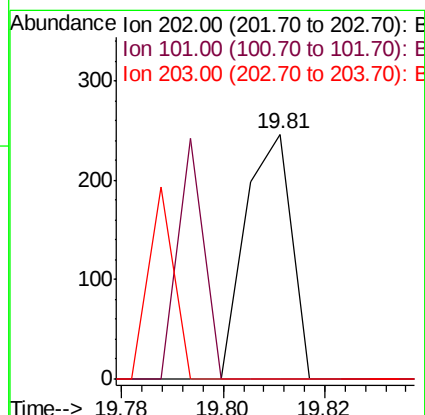
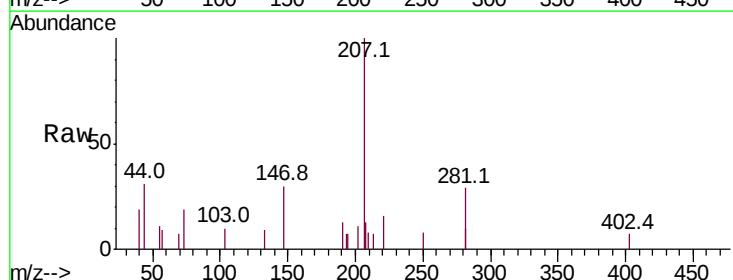
Instrument :
BNA_G
ClientSampleId :
PB128631BL

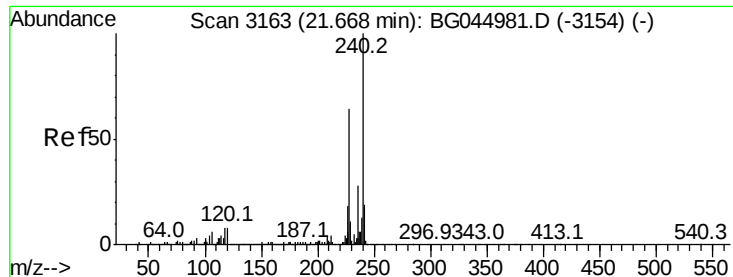
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.2	12.2#
104	0.0	4.8	7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.81 min Scan# 2847
Delta R.T. 0.38 min
Lab File: BG045232.D
Acq: 4 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Instrument :

BNA_G

ClientSampleId :

PB128631BL

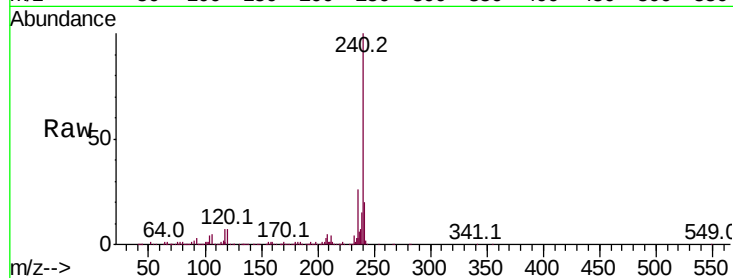
Tot Ion:240 Resp: 459341

Ion Ratio Lower Upper

240 100

120 7.3 6.6 10.0

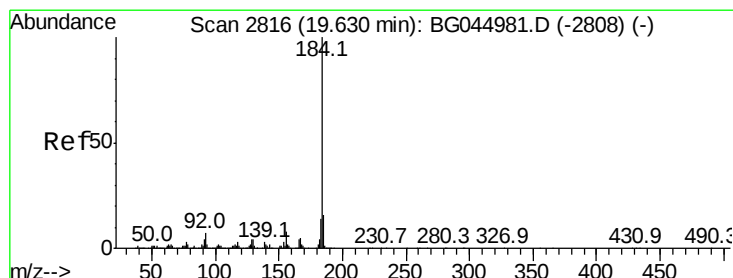
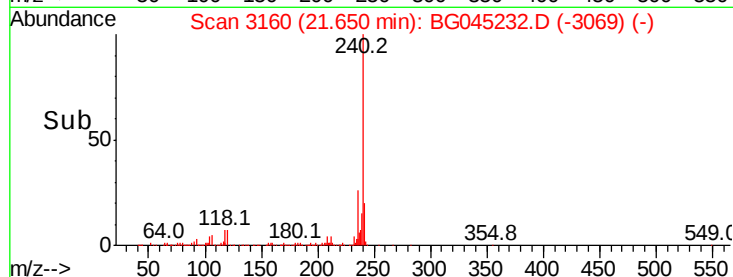
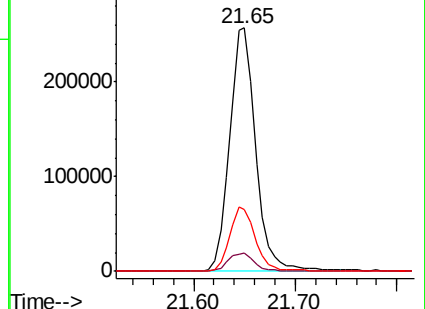
236 25.5 22.2 33.2



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: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

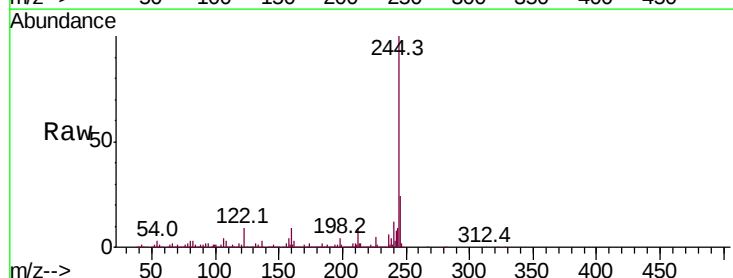
Tgt Ion:184 Resp: 40561

Ion Ratio Lower Upper

184 100

185 15.4 12.6 19.0

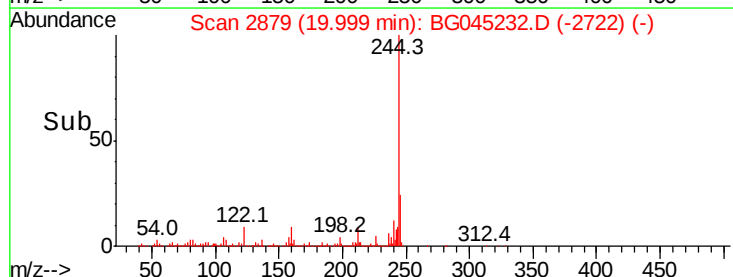
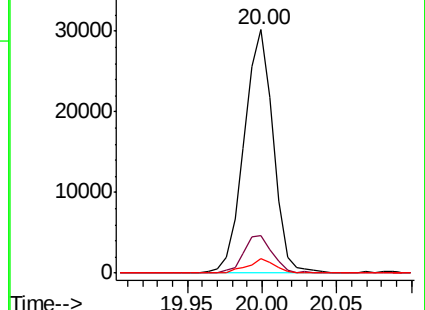
183 6.0 11.3 16.9#

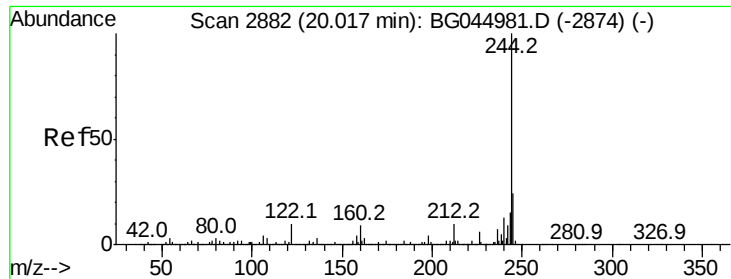


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.225 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

Instrument :

BNA_G

ClientSampleId :

PB128631BL

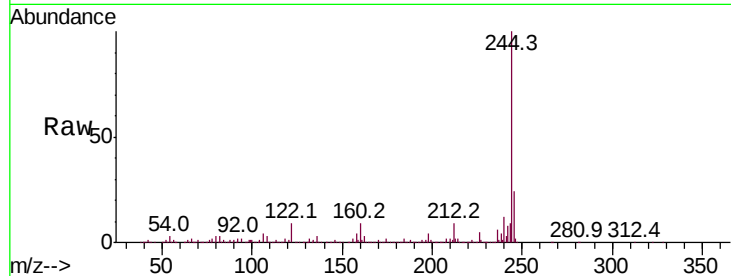
Tot Ion:244 Resp: 2091164

Ion Ratio Lower Upper

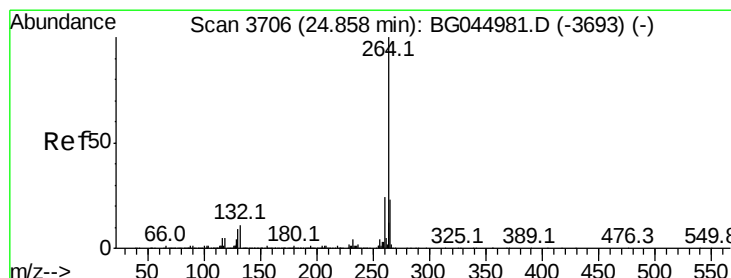
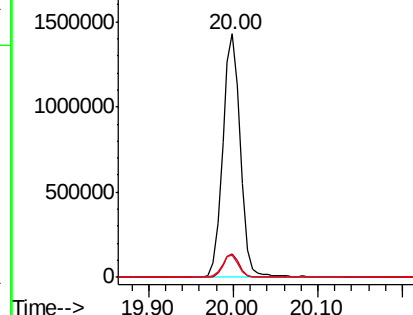
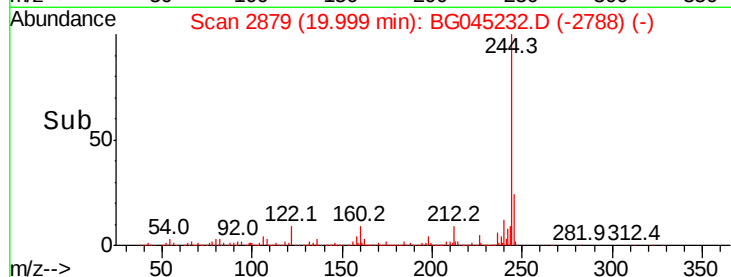
244 100

212 9.4 7.9 11.9

122 9.2 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

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3701

Delta R.T. 0.01 min

Lab File: BG045232.D

Acq: 4 May 2020 13:50

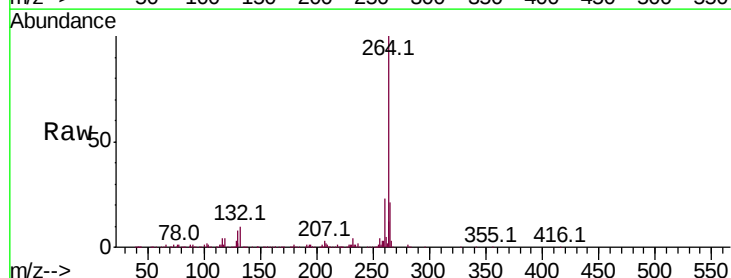
Tgt Ion:264 Resp: 485267

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.4 19.0 28.4



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

