

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042920\
 Data File : BG045211.D
 Acq On : 29 Apr 2020 18:59
 Operator : CG/JU
 Sample : L2436-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 00:48:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	59458	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	245767	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	191540	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	454591	20.00	ng	0.00
76) Chrysene-d12	21.64	240	429748	20.00	ng	0.00
87) Perylene-d12	24.81	264	458273	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	384561	106.78	ng	0.00
7) Phenol-d6	7.15	99	515494	96.34	ng	0.00
23) Nitrobenzene-d5	9.14	82	438908	81.49	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	406606	137.41	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1076560	82.42	ng	0.00
79) Terphenyl-d14	19.99	244	2097807	106.40	ng	0.00

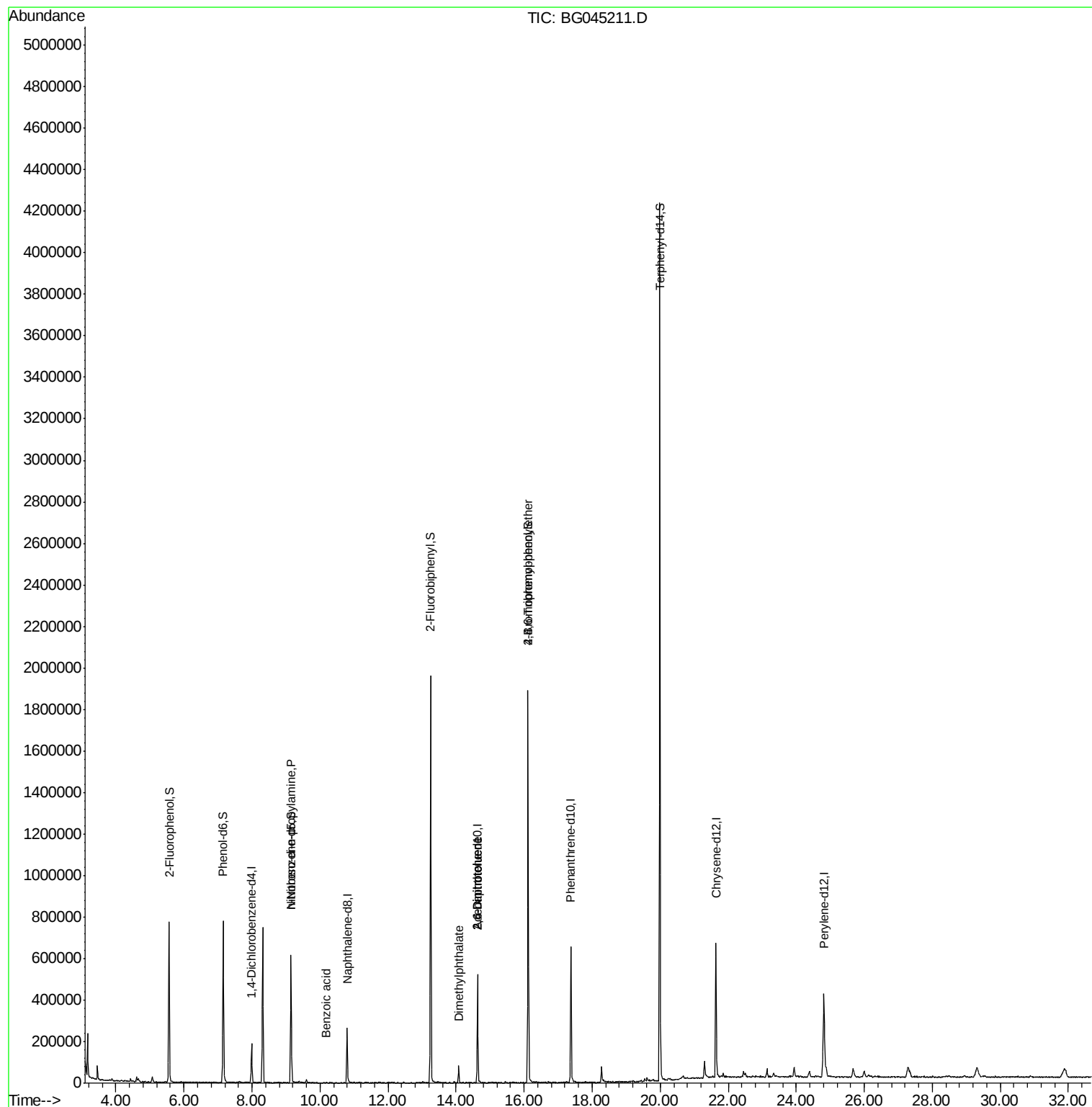
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	952	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	57902	15.301 ng	#	85
32) Benzoic acid	10.17	122	55	6.389 ng	#	37
50) Dimethylphthalate	14.08	163	59120	3.791 ng	#	98
51) 2,6-Dinitrotoluene	14.63	165	25793	7.394 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	25793	5.060 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	28319	4.829 ng	#	1
69) Atrazine	16.84	200	585	Below Cal	#	81
74) Di-n-butylphthalate	18.34	149	5940	Below Cal	#	95
75) Fluoranthene	19.43	202	3031	Below Cal	#	92
77) Benzydine	19.61	184	16915	Below Cal	#	94

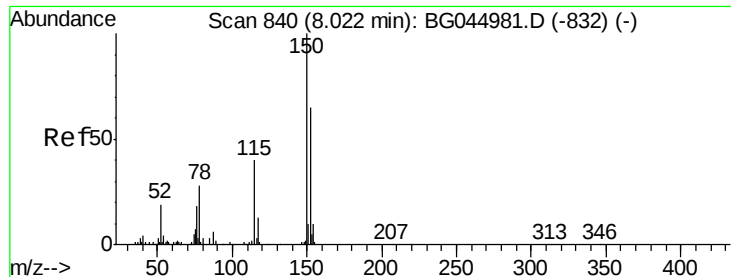
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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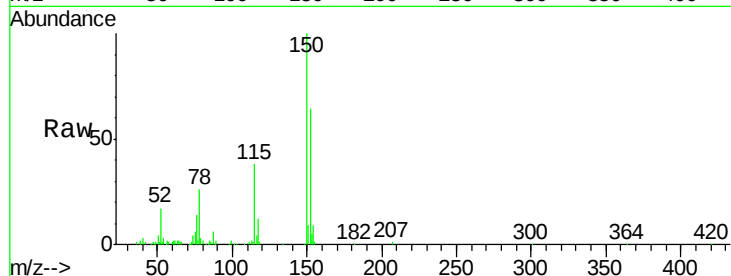


#1

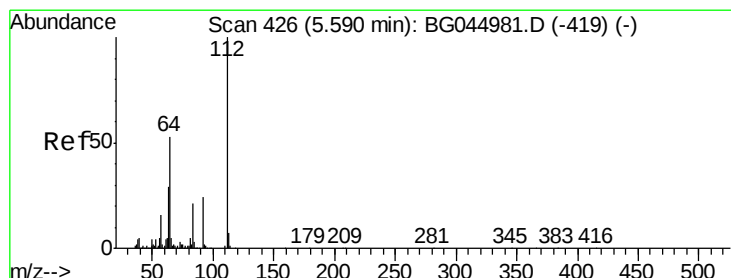
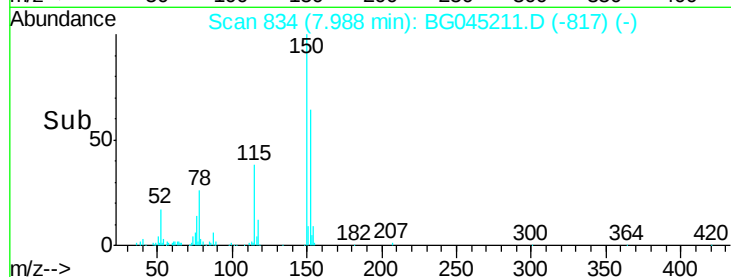
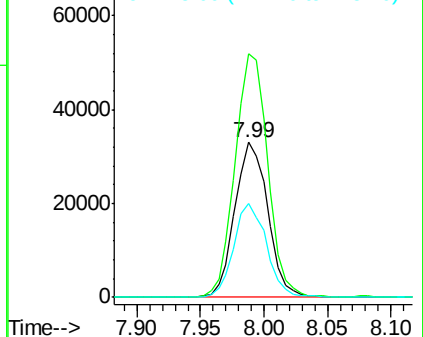
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59458
Ion Ratio Lower Upper
152 100
150 157.4 123.6 185.4
115 60.5 49.1 73.7



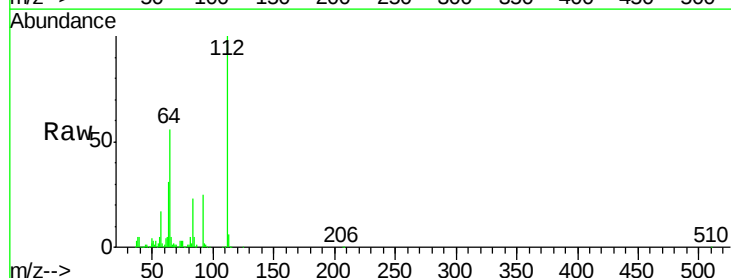
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



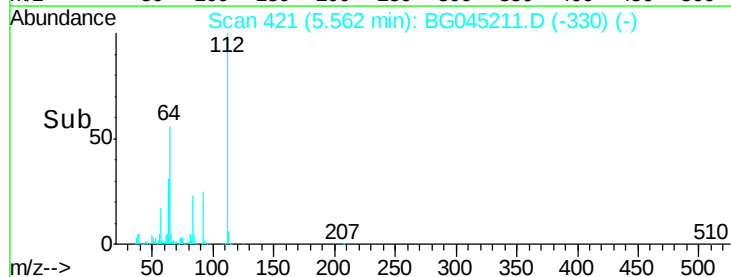
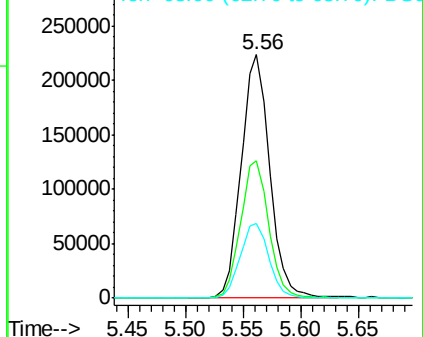
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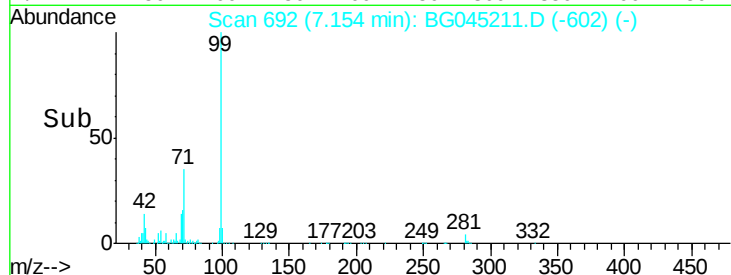
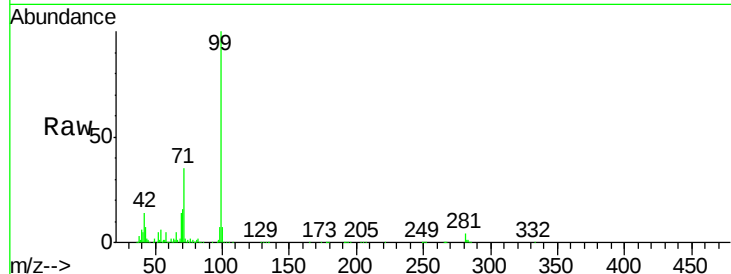
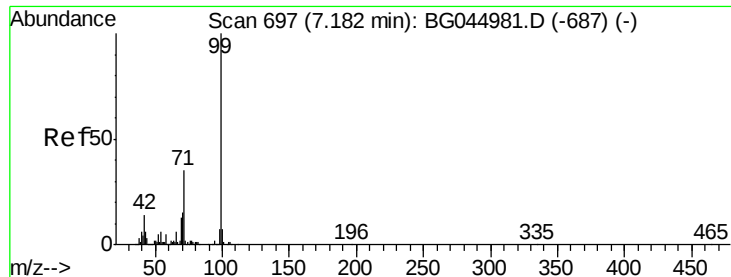
2-Fluorophenol
Concen: 106.779 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion:112 Resp: 384561
Ion Ratio Lower Upper
112 100
64 56.3 42.4 63.6
63 30.9 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: 96.339 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

Instrument :

BNA_G

ClientSampleId :

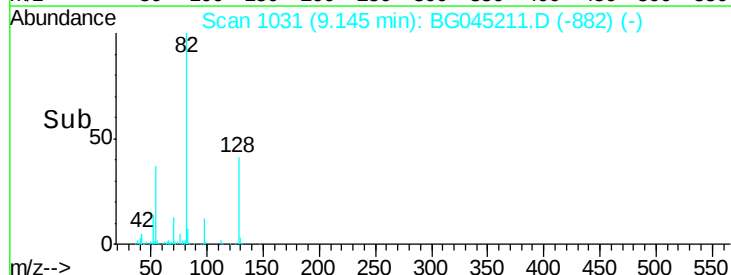
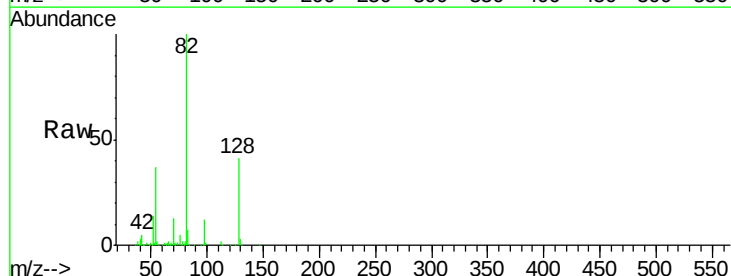
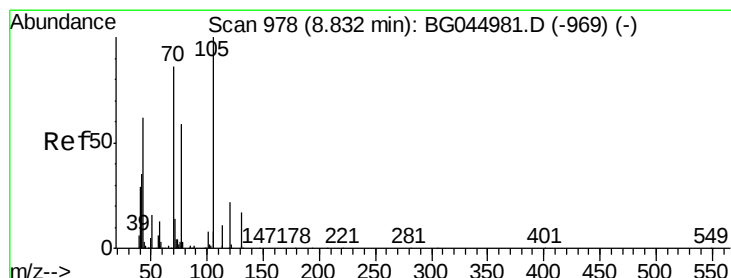
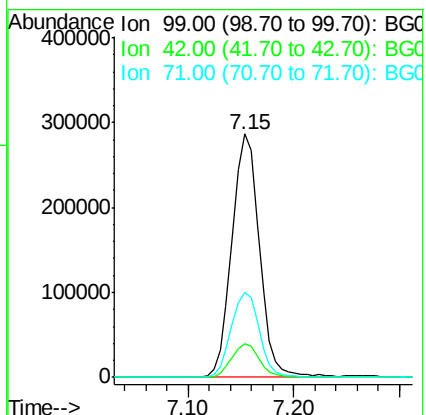
Tot Ion: 99 Resp: 515494

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

71 35.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.301 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

Tgt Ion: 70 Resp: 57902

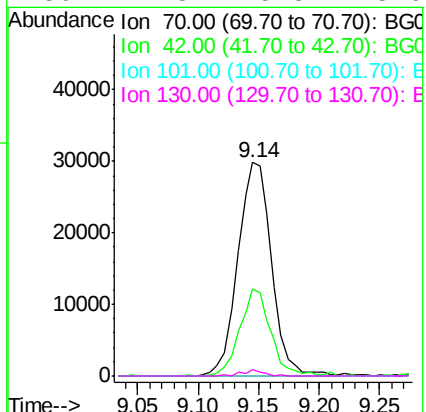
Ion Ratio Lower Upper

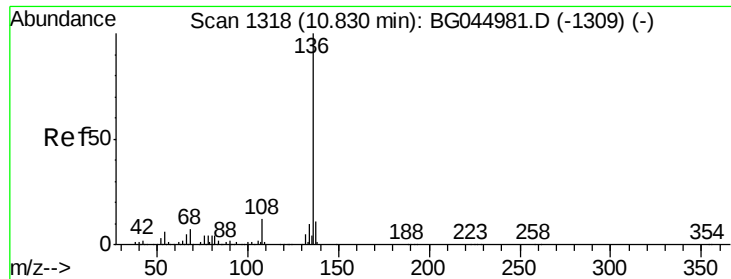
70 100

42 40.7 33.3 49.9

101 0.0 7.8 11.8#

130 2.8 15.8 23.6#

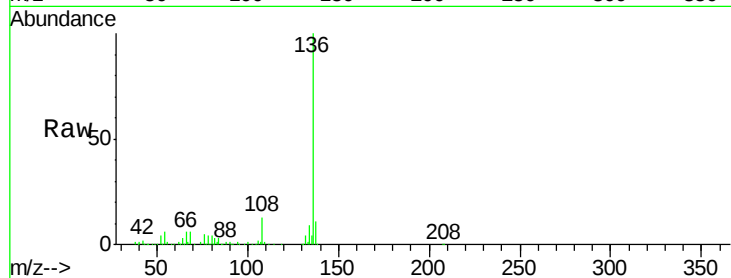




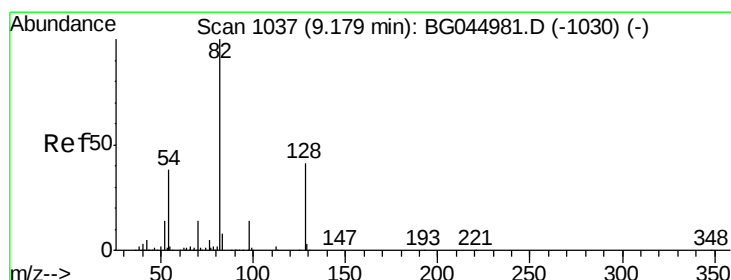
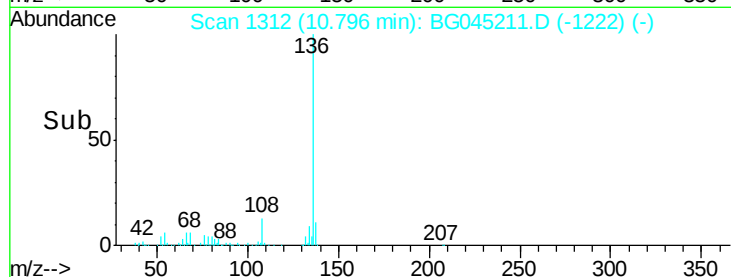
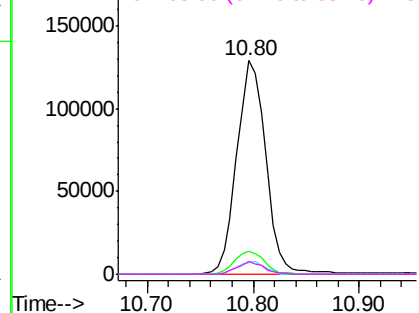
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 245767
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 5.6	4.8 7.2
68 5.8	5.2 7.8

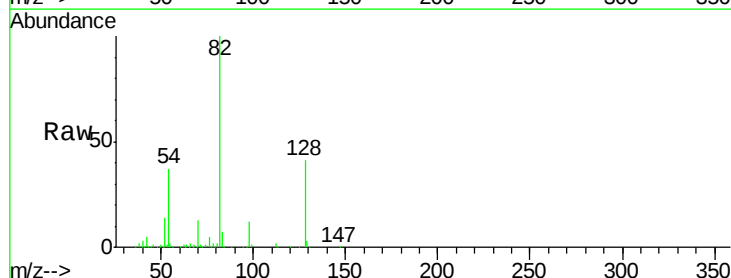


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

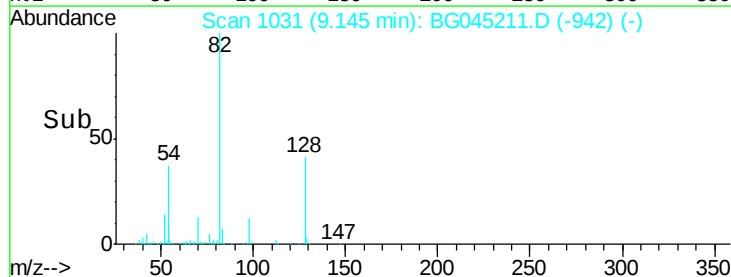
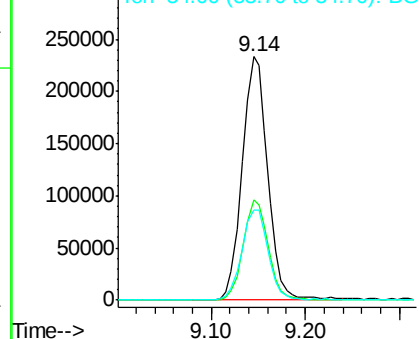


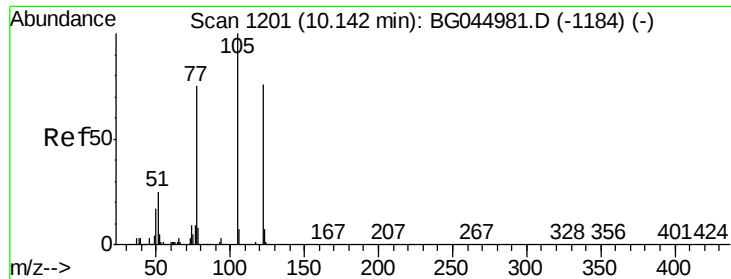
#23
Nitrobenzene-d5
Concen: 81.487 ng
RT: 9.14 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt	Ion: 82	Resp:	438908
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.0	49.4
54	37.0	30.4	45.6



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

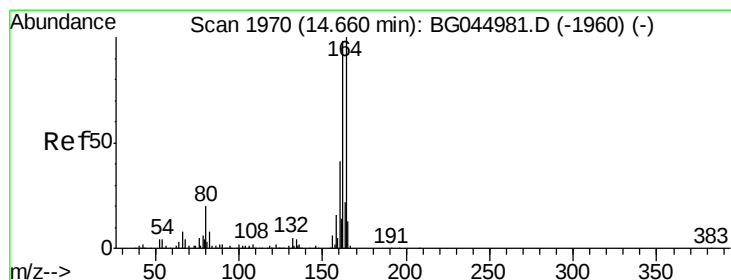
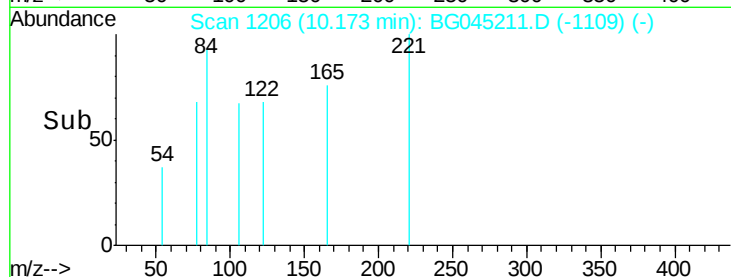
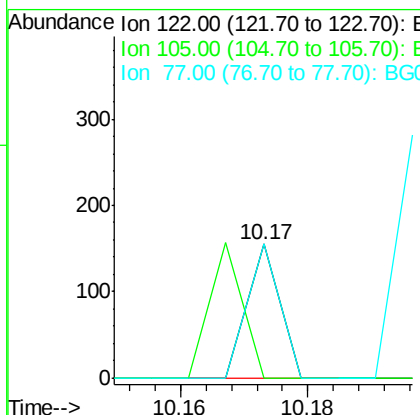
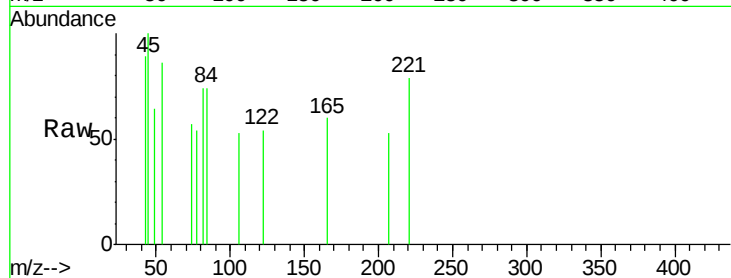




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.04 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

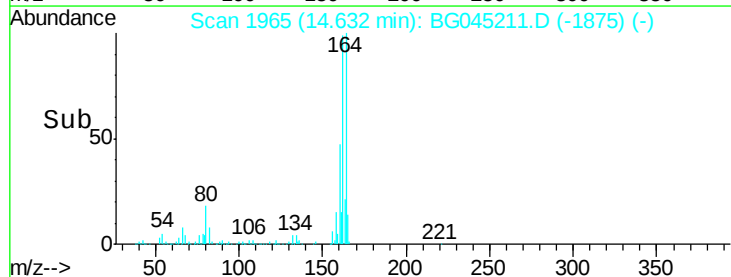
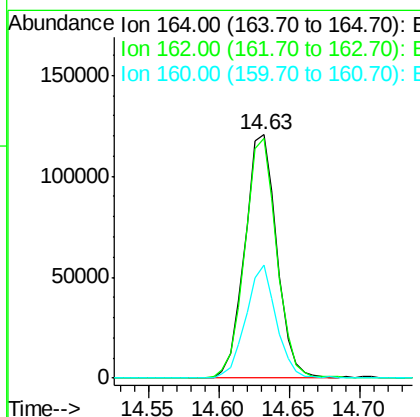
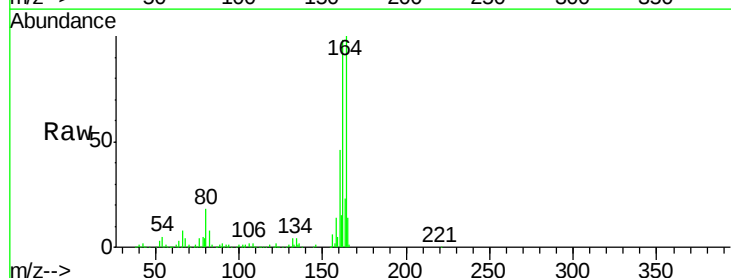
Instrument :
BNA_G
ClientSampleId :

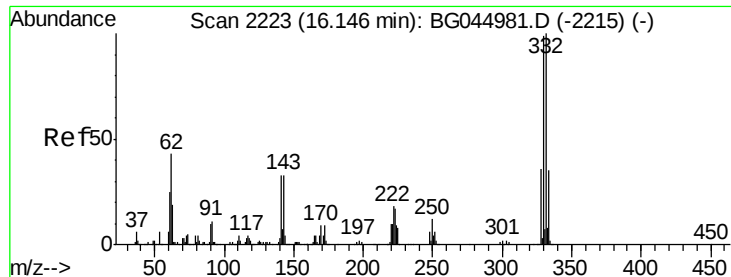
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	100.0	78.8	118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	78.7	118.1
160	46.4	32.8	49.2

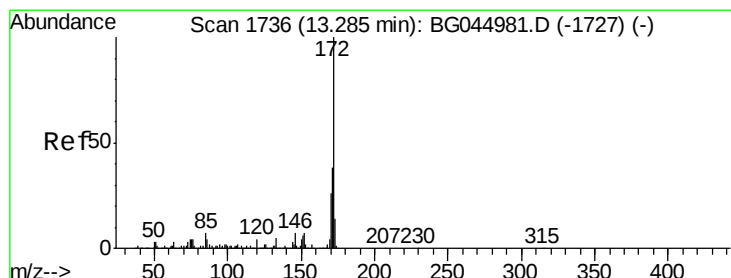
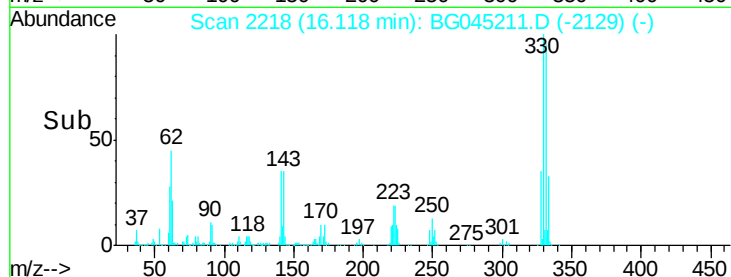
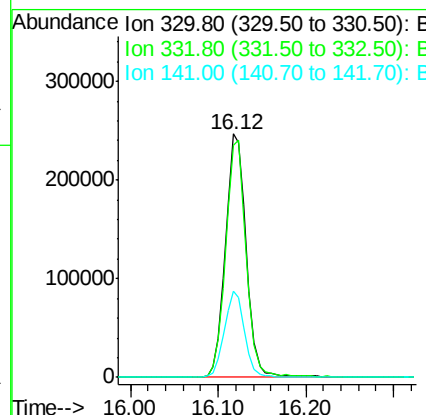
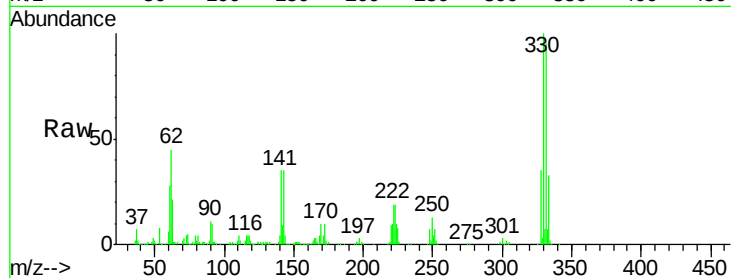




#42
2,4,6-Tribromophenol
Concen: 137.411 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

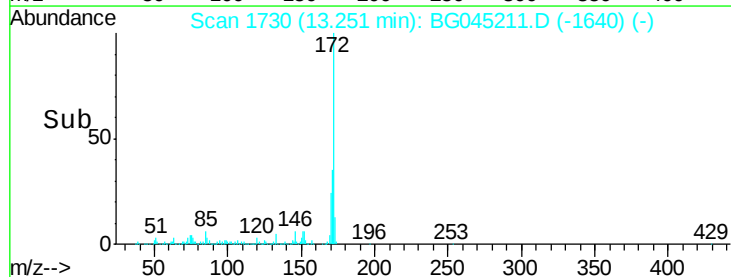
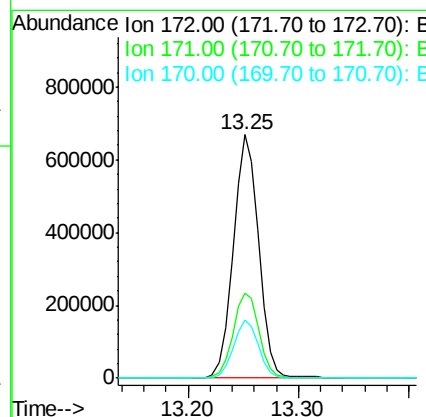
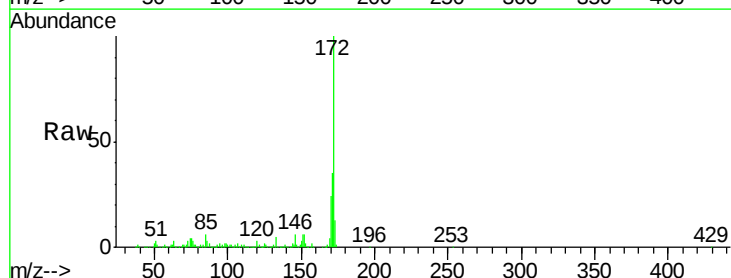
Instrument :
BNA_G
ClientSampleId :

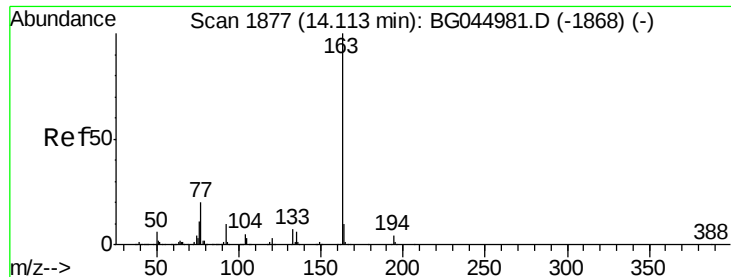
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	79.1	118.7
141	34.2	27.1	40.7



#45
2-Fluorobiphenyl
Concen: 82.415 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	46.0
170	24.0	20.5	30.7

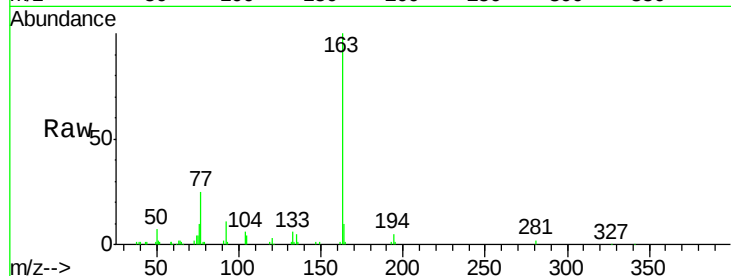




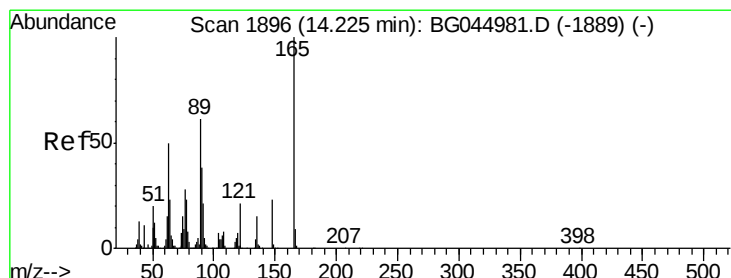
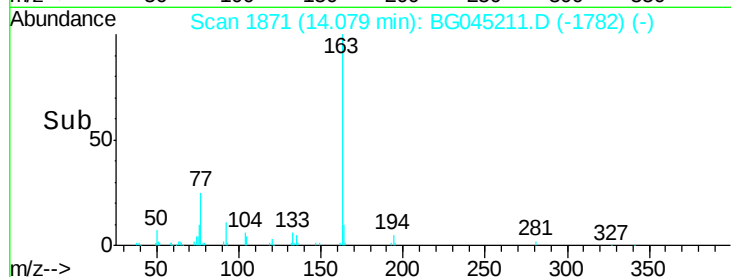
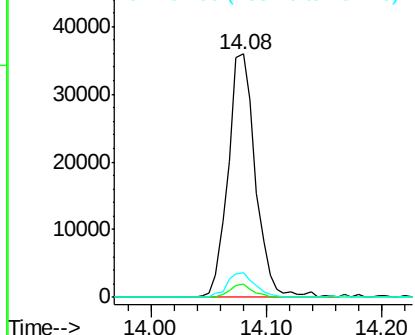
#50
Dimethylphthalate
Concen: 3.791 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.5	5.3
164	9.9	8.2	12.4

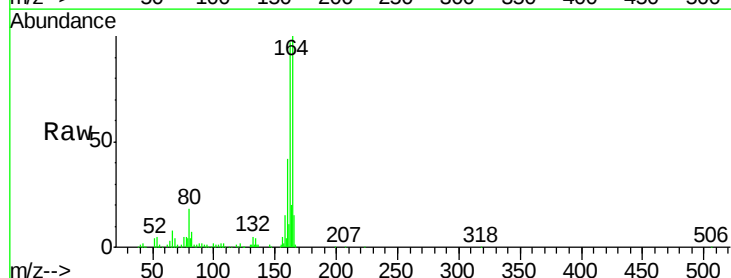


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

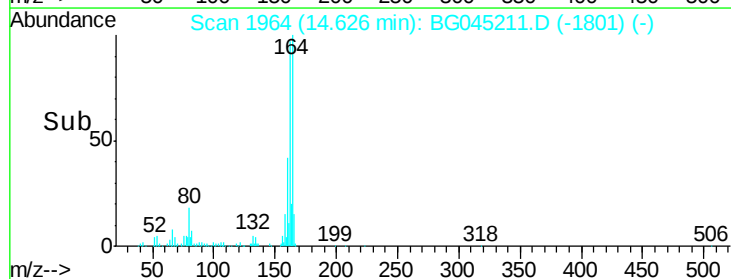
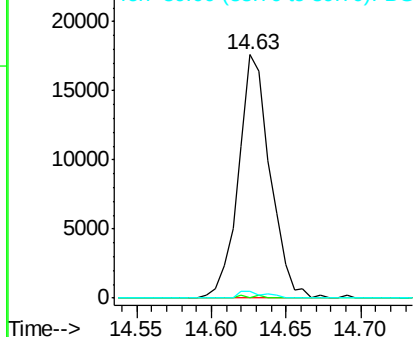


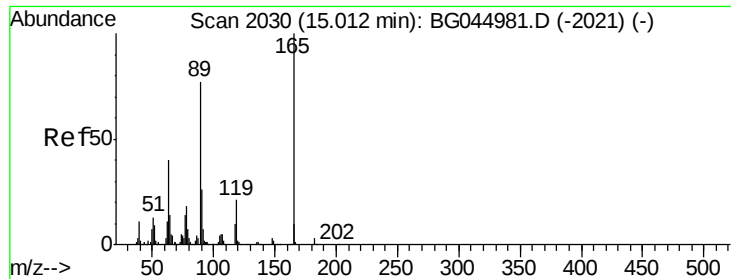
#51
2,6-Dinitrotoluene
Concen: 7.394 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.9	49.1	73.7#



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





#57

2,4-Dinitrotoluene

Concen: 5.060 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.37 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 25793

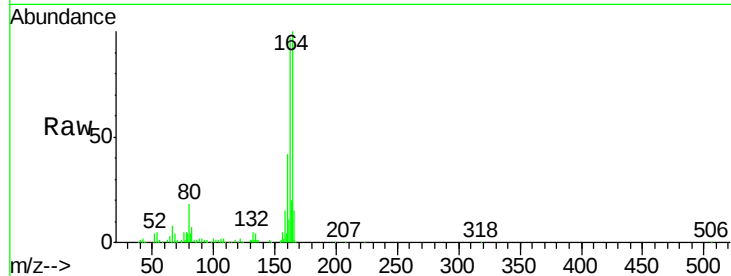
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.9 61.7 92.5#

182 0.0 2.0 3.0#

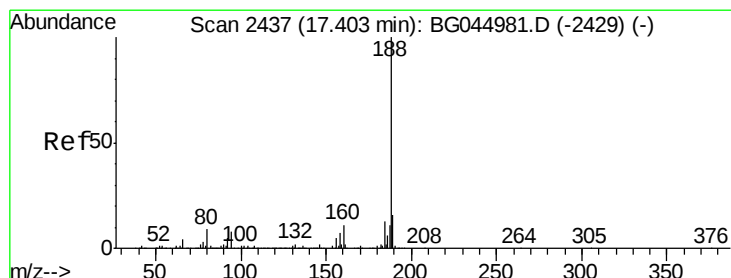
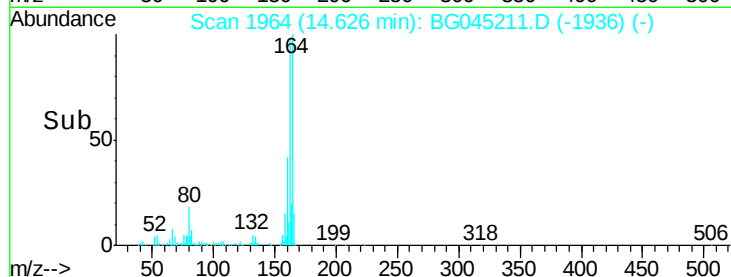
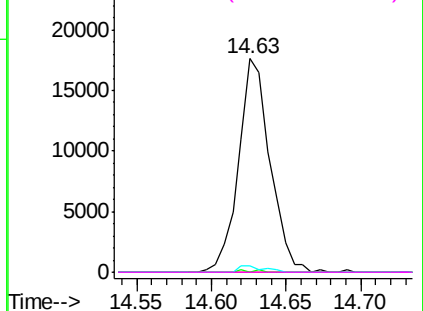


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

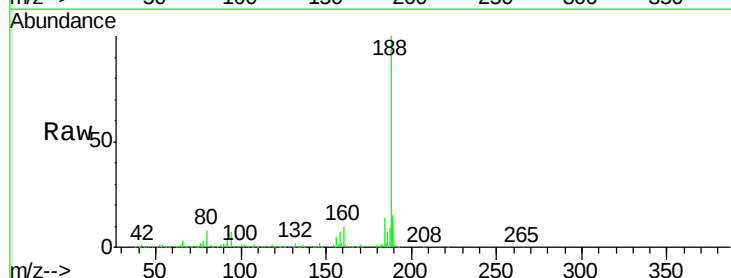
Tgt Ion:188 Resp: 454591

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

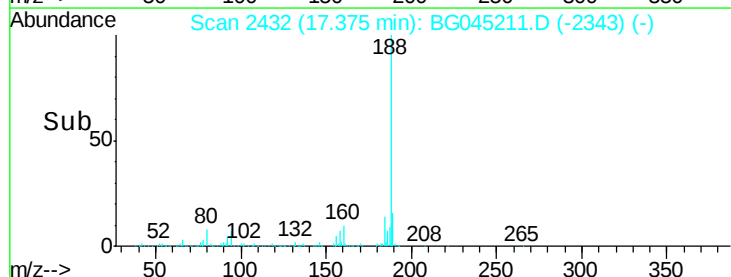
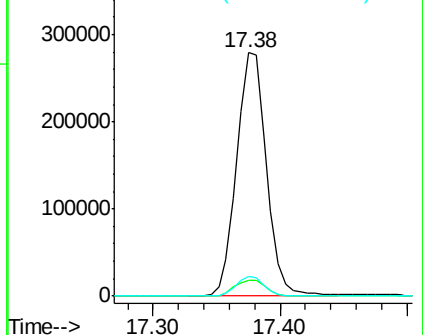
80 7.9 7.0 10.6

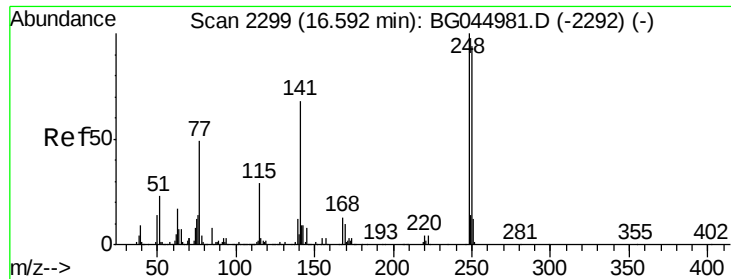


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

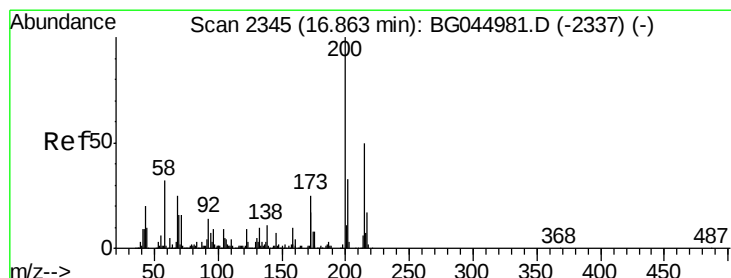
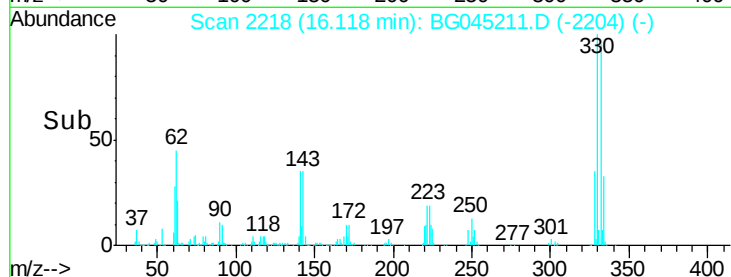
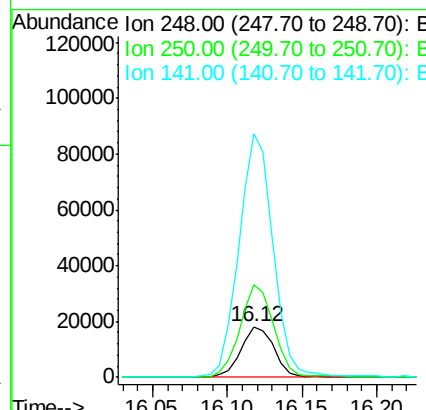
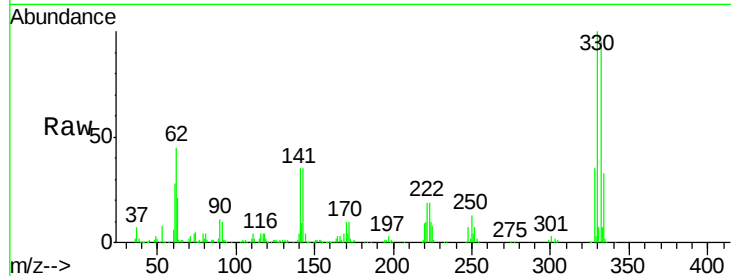




#67
4-Bromophenyl-phenylether
Concen: 4.829 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

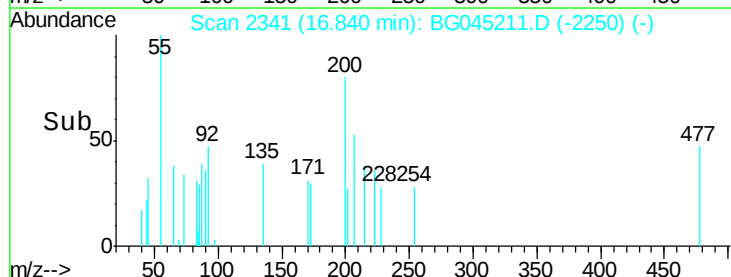
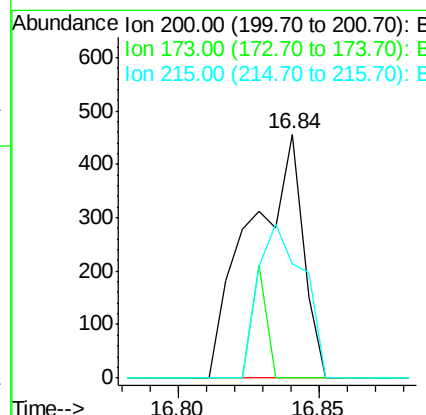
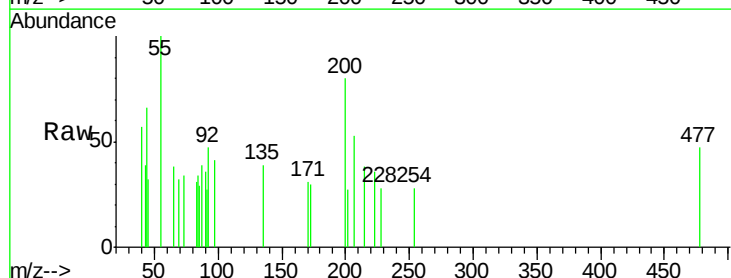
Instrument :
BNA_G
ClientSampled :

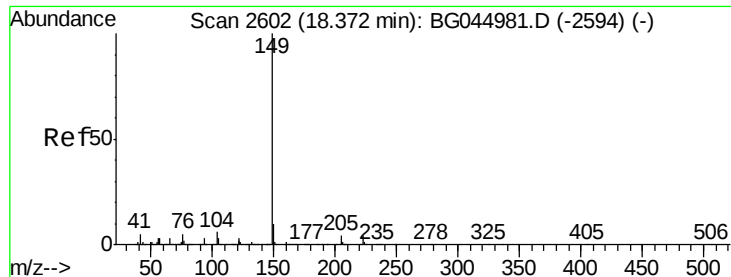
Tot Ion:248 Resp: 28319
Ion Ratio Lower Upper
248 100
250 183.0 75.4 113.2#
141 482.7 54.4 81.6#



#69
Atrazine
Concen: Below Cal
RT: 16.84 min Scan# 2341
Delta R.T. 0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion:200 Resp: 585
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 46.9 30.0 70.0

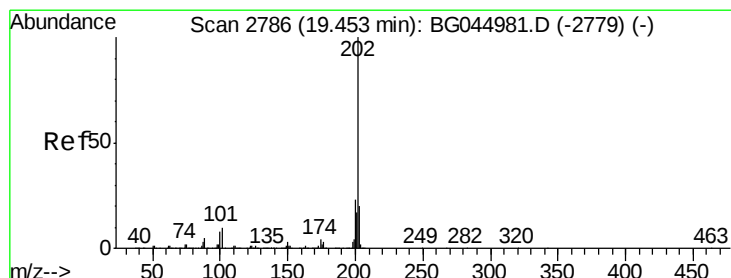
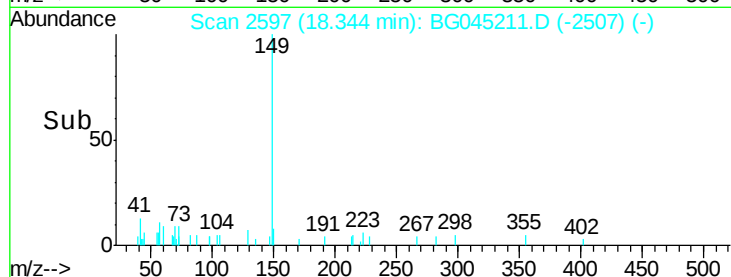
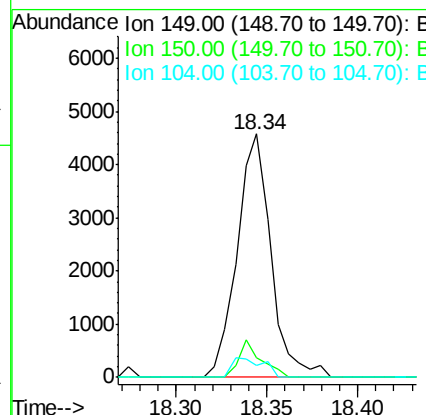
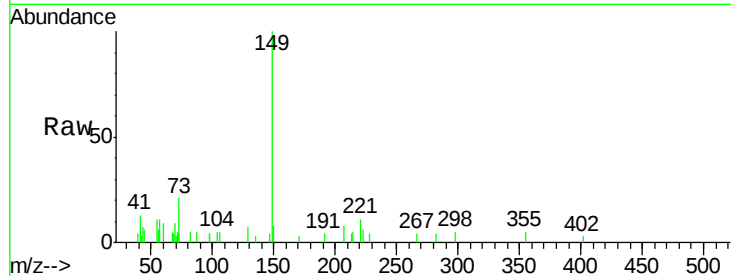




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

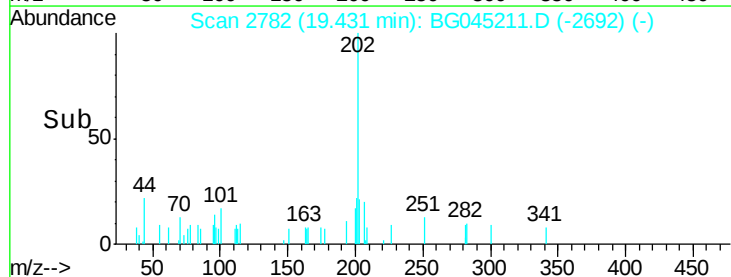
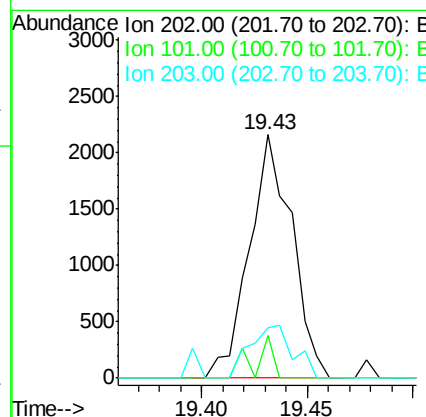
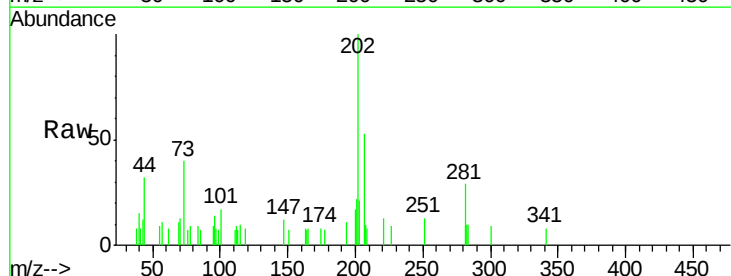
Instrument :
BNA_G
ClientSampleId :

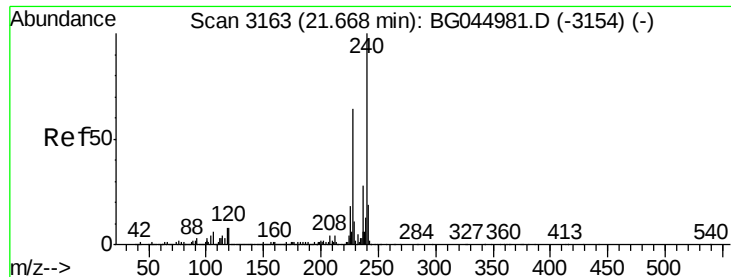
Tot Ion:149 Resp: 5940
Ion Ratio Lower Upper
149 100
150 8.1 8.2 12.2#
104 4.7 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BG045211.D
Acq: 29 Apr 2020 18:59

Tgt Ion:202 Resp: 3031
Ion Ratio Lower Upper
202 100
101 17.5 0.0 29.6
203 20.7 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

Instrument :

BNA_G

ClientSampleId :

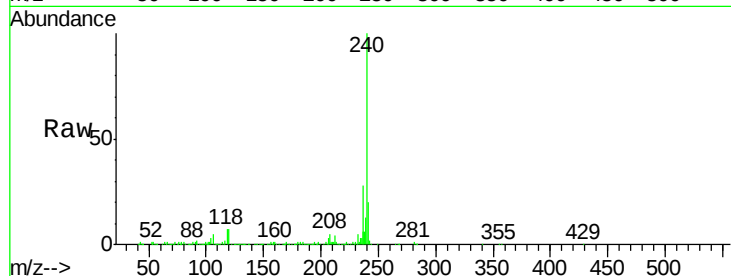
Tot Ion:240 Resp: 429748

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

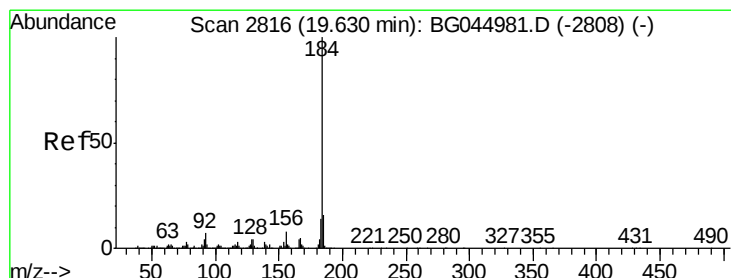
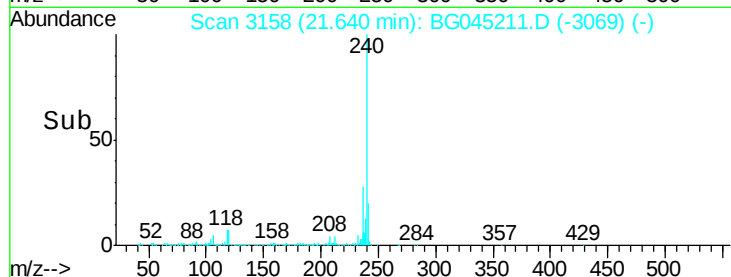
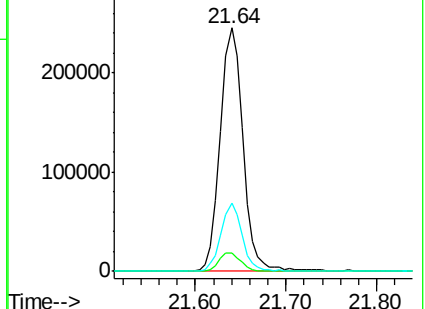
236 28.1 22.2 33.2



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: 19.61 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

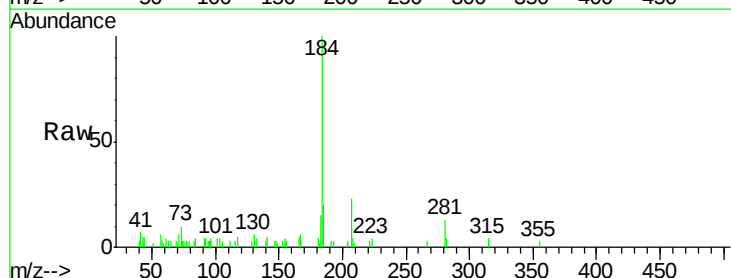
Tgt Ion:184 Resp: 16915

Ion Ratio Lower Upper

184 100

185 20.2 12.6 19.0#

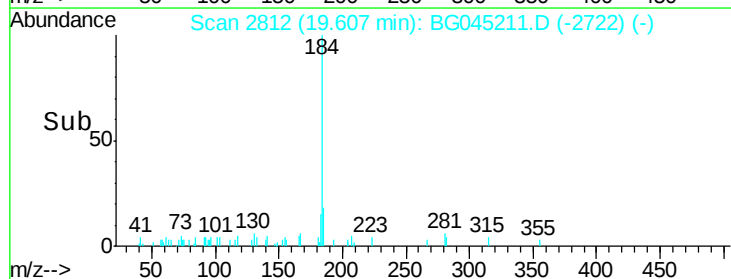
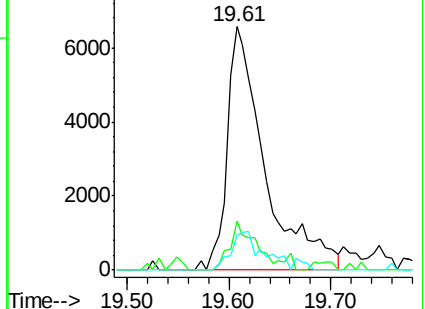
183 14.5 11.3 16.9

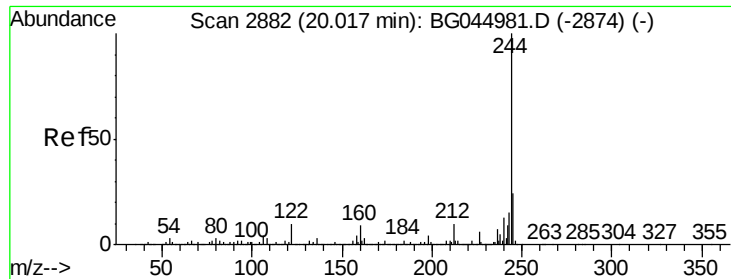


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.395 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

Instrument :

BNA_G

ClientSampleId :

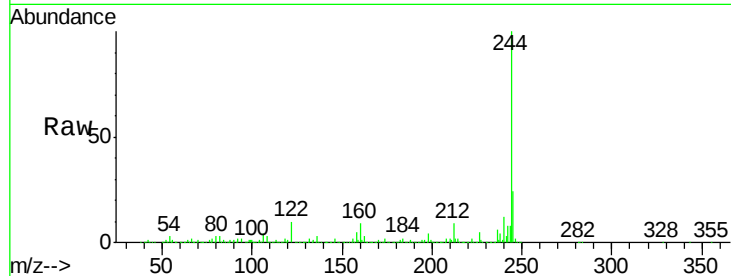
Tot Ion:244 Resp: 2097807

Ion Ratio Lower Upper

244 100

212 9.4 7.9 11.9

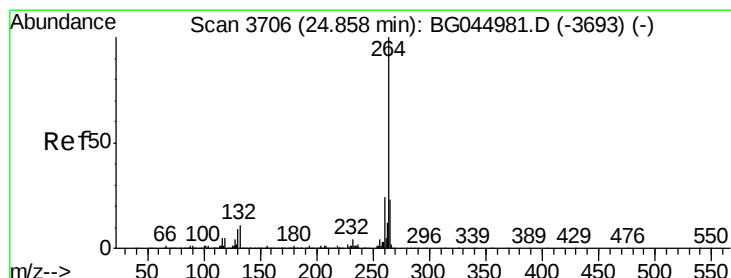
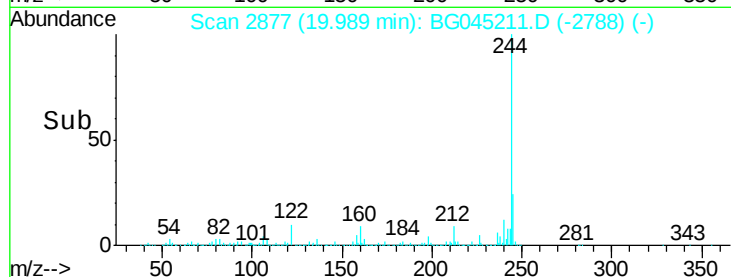
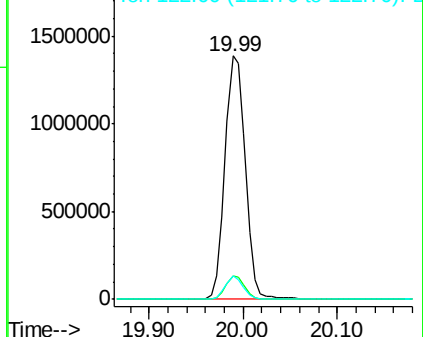
122 9.7 7.7 11.5



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: 24.81 min Scan# 3698

Delta R.T. -0.01 min

Lab File: BG045211.D

Acq: 29 Apr 2020 18:59

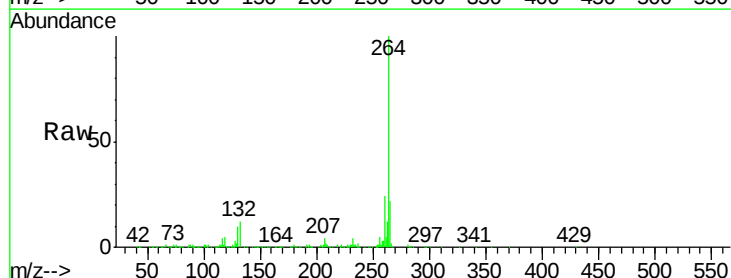
Tgt Ion:264 Resp: 458273

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.4 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

