

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\
 Data File : BG045149.D
 Acq On : 23 Apr 2020 19:49
 Operator : CG/JU
 Sample : L2123-12 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 01:50:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

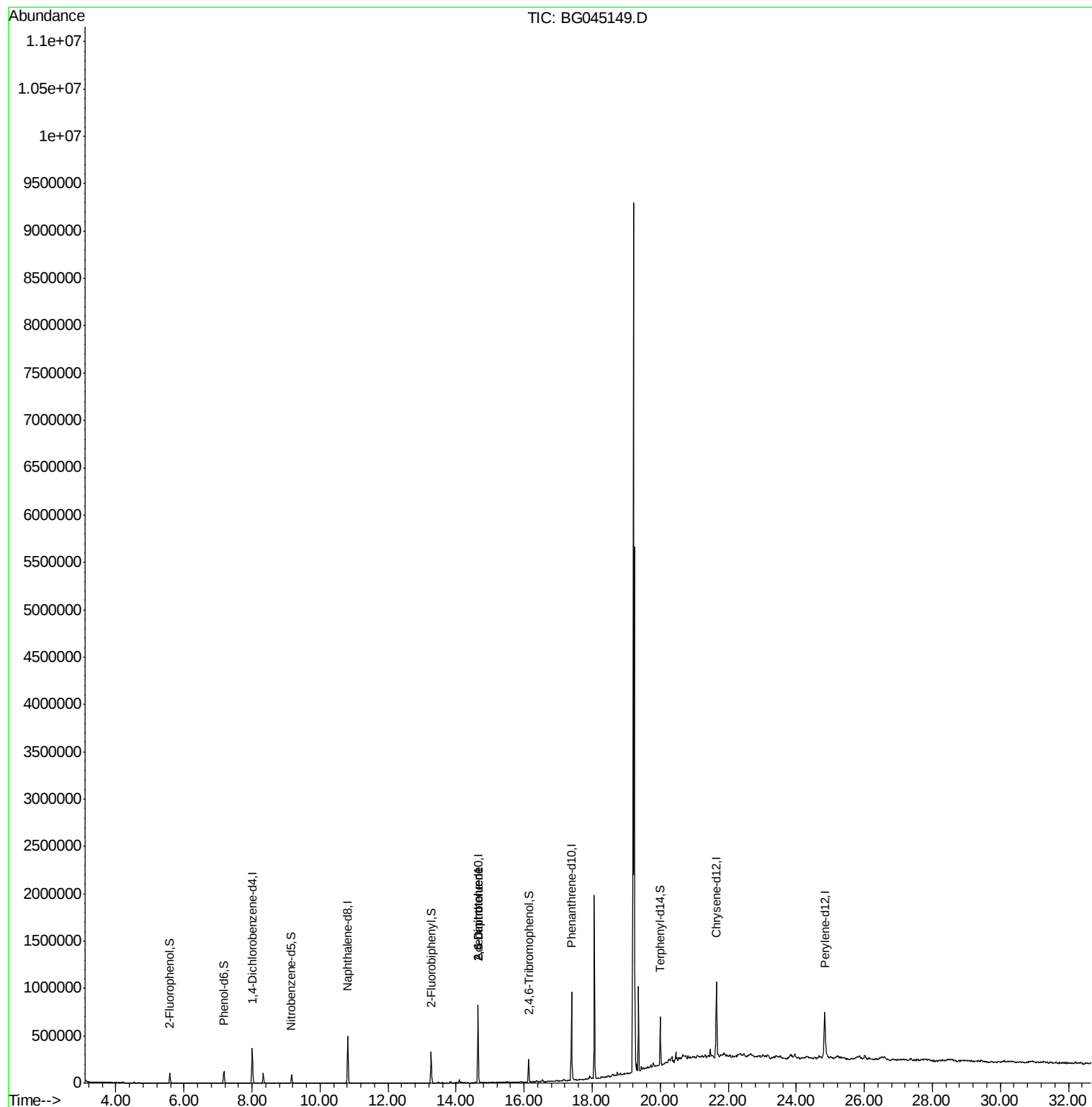
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	109217	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	453797	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	307468	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	614947	20.00	ng	0.00
76) Chrysene-d12	21.66	240	500339	20.00	ng	0.00
87) Perylene-d12	24.83	264	553150	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	51079	7.72	ng	0.00
7) Phenol-d6	7.17	99	84577	8.60	ng	0.00
23) Nitrobenzene-d5	9.17	82	60379	6.07	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	49590	10.44	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	178695	8.52	ng	0.00
79) Terphenyl-d14	20.00	244	245424	10.69	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	68	Below Cal	#	4
51) 2,6-Dinitrotoluene	14.64	165	40786	7.284 ng	#	23
57) 2,4-Dinitrotoluene	14.64	165	40786	4.984 ng	#	21
69) Atrazine	16.86	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	1090	Below Cal	#	81
75) Fluoranthene	19.44	202	23961	Below Cal		98
77) Benzdine	19.62	184	414	Below Cal	#	1

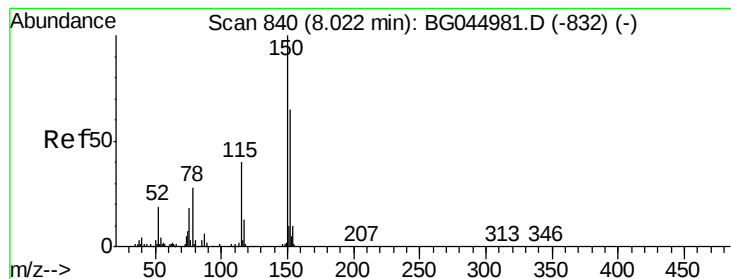
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 12 Sample Multiplier: 1

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BNA_G
ClientSampleId :

Quant Time: Apr 24 01:50:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 13:58:55 2020
Response via : Initial Calibration



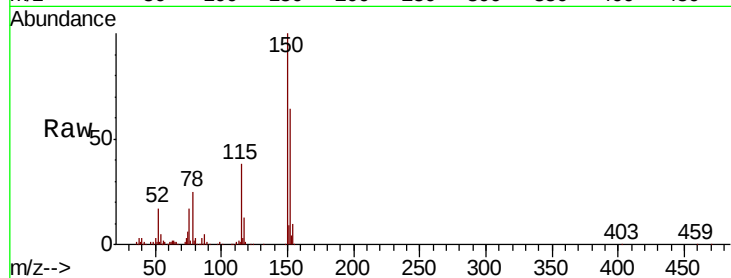


#1

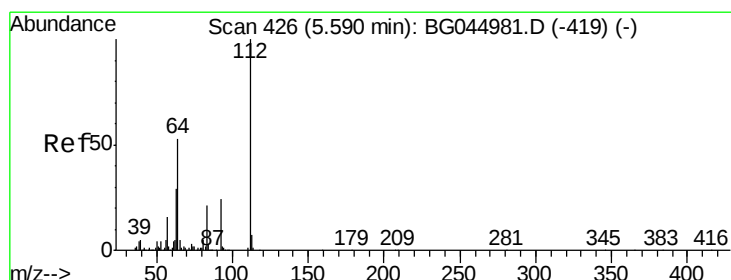
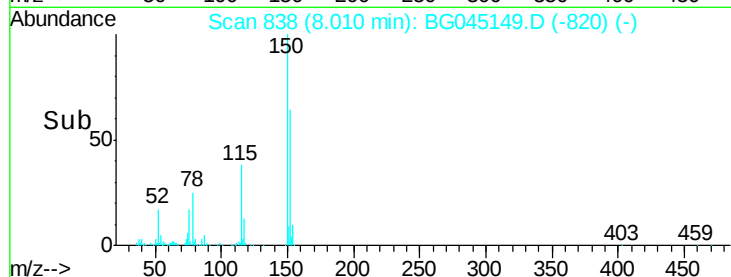
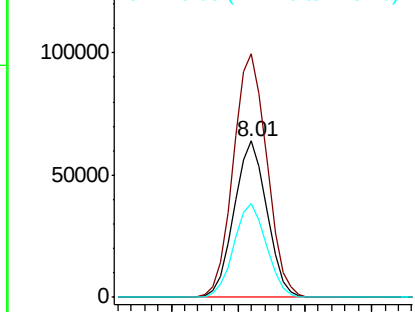
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.6	185.4
115	59.6	49.1	73.7



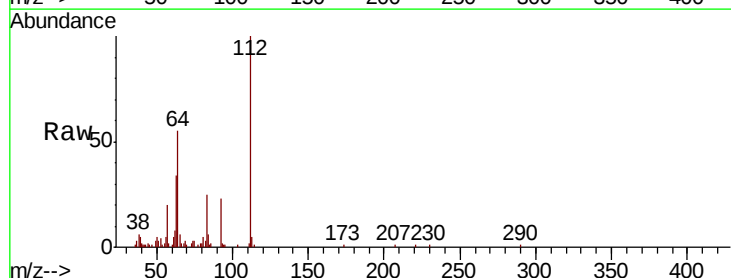
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



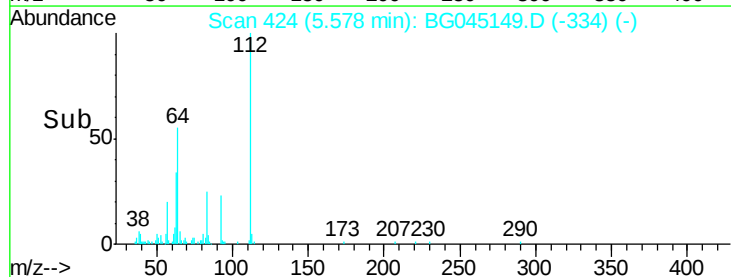
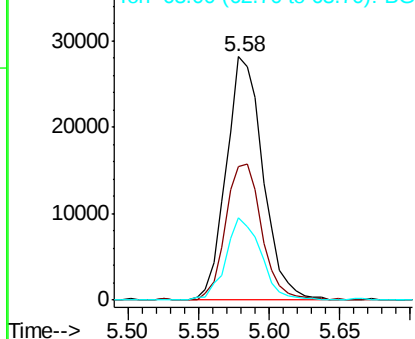
#5

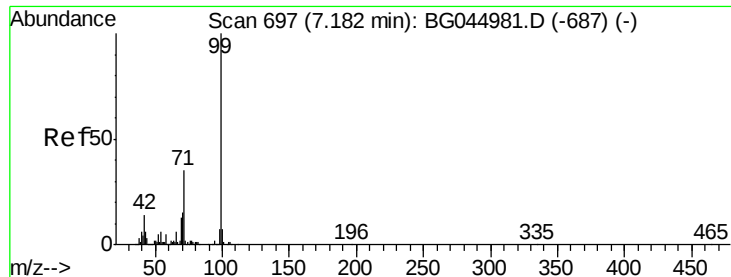
2-Fluorophenol
Concen: 7.721 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	42.4	63.6
63	33.8	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: 8.605 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Instrument :

BNA_G

ClientSampleId :

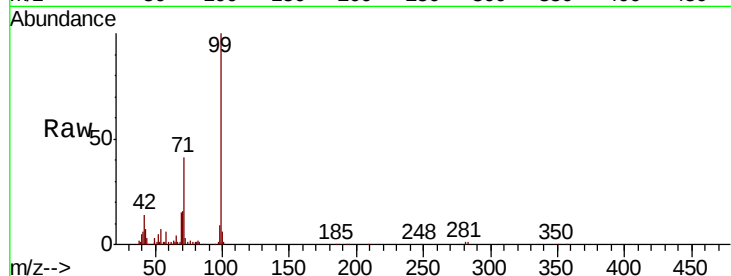
Tot Ion: 99 Resp: 84577

Ion Ratio Lower Upper

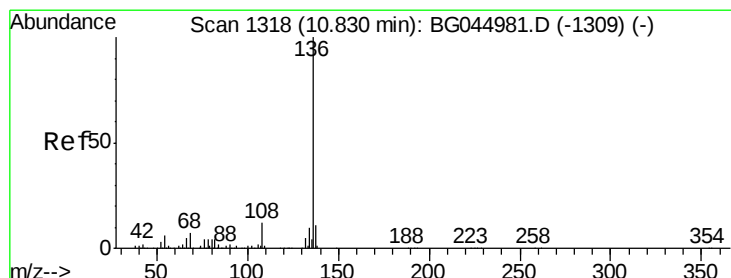
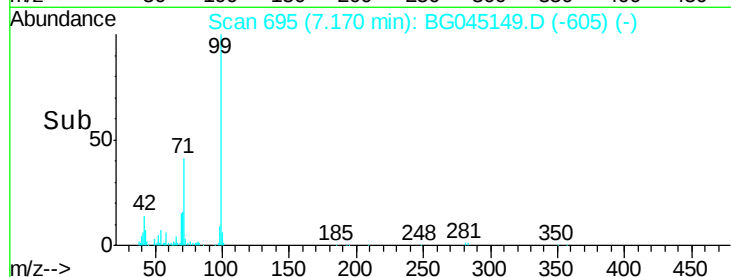
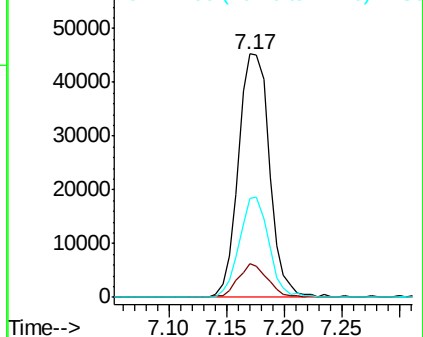
99 100

42 14.1 11.3 16.9

71 40.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Tgt Ion: 136 Resp: 453797

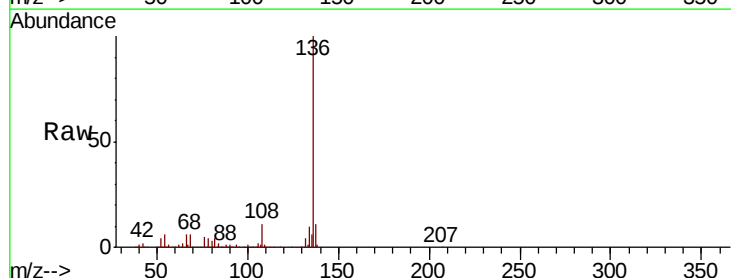
Ion Ratio Lower Upper

136 100

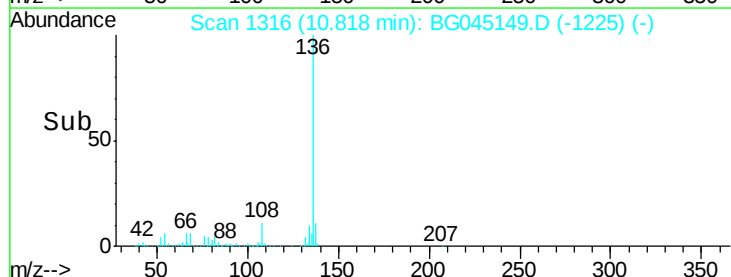
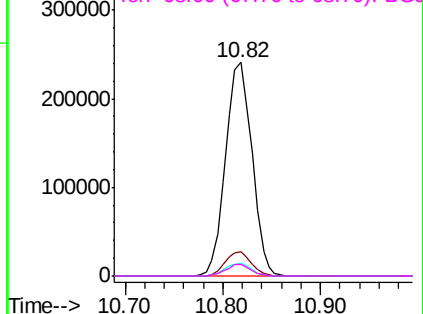
137 11.4 8.6 13.0

54 6.3 4.8 7.2

68 5.7 5.2 7.8



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

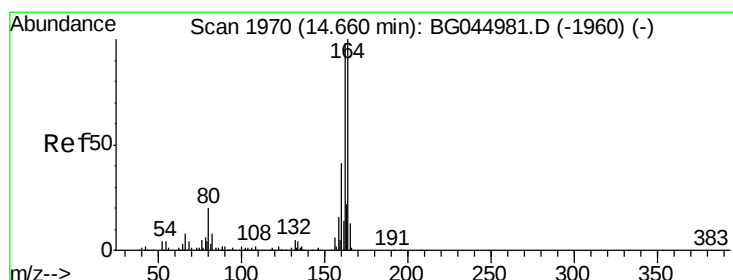
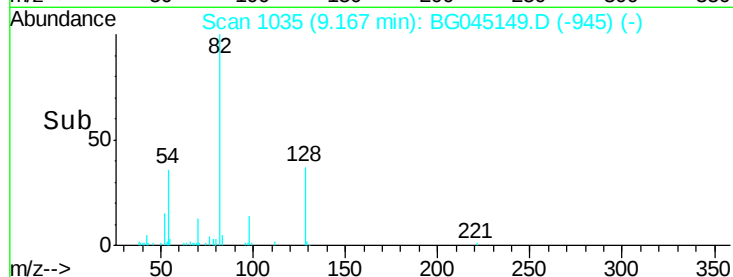
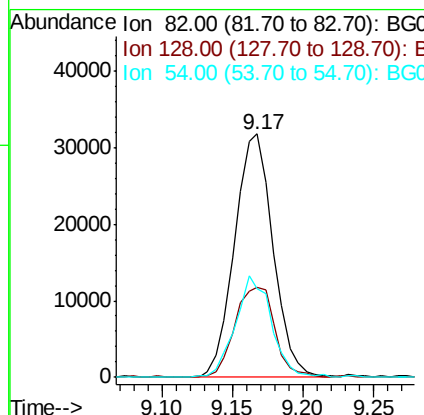
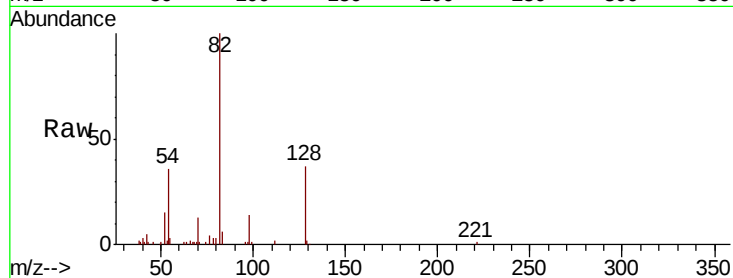




#23
Nitrobenzene-d5
Concen: 6.071 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

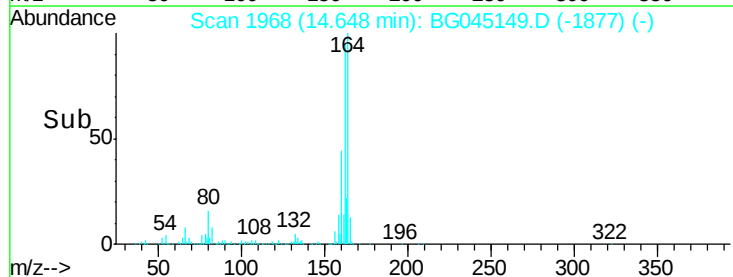
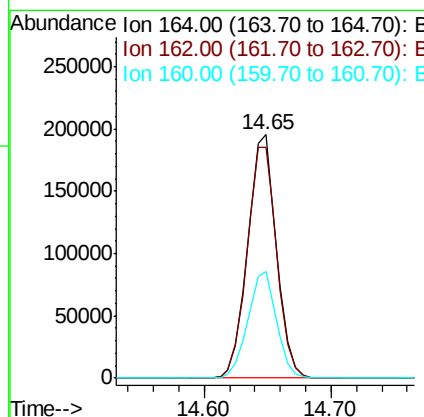
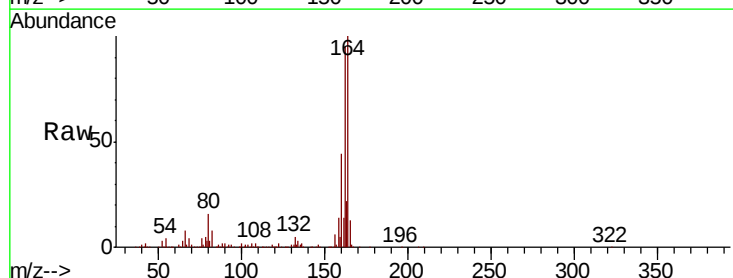
Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	60379
Ion Ratio	Lower	Upper	
82	100		
128	36.9	33.0	49.4
54	36.2	30.4	45.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.01 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

Tgt Ion	164	Resp	307468
Ion Ratio	Lower	Upper	
164	100		
162	94.7	78.7	118.1
160	43.6	32.8	49.2

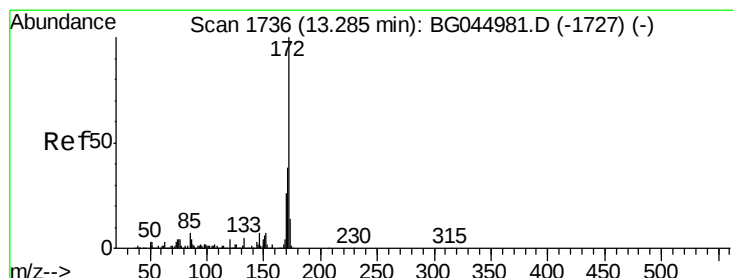
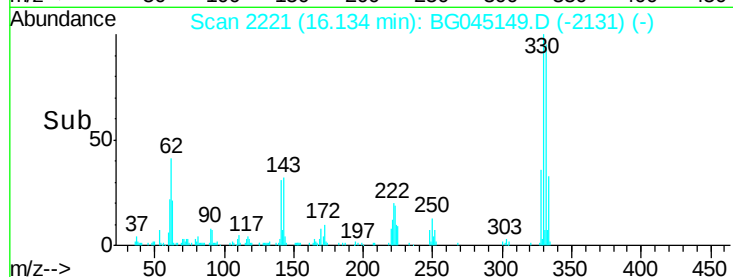
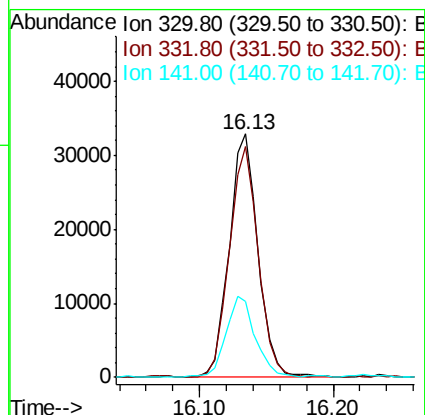
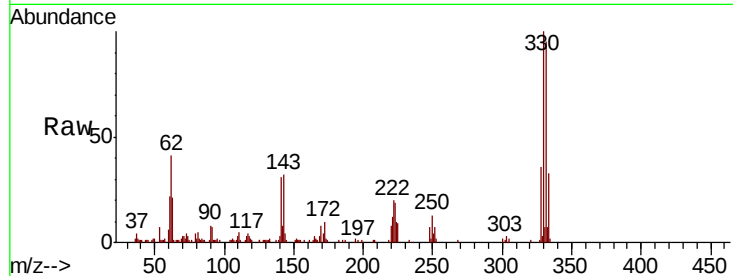




#42
 2,4,6-Tribromophenol
 Concen: 10.440 ng
 RT: 16.13 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BG045149.D
 Acq: 23 Apr 2020 19:49

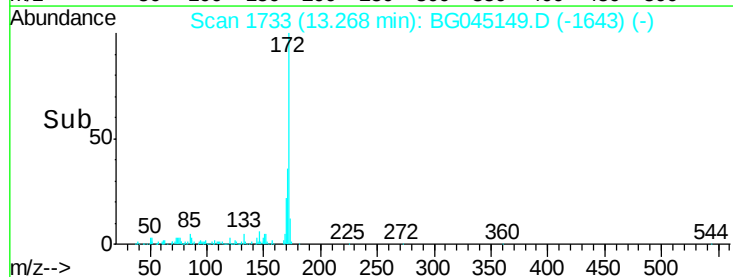
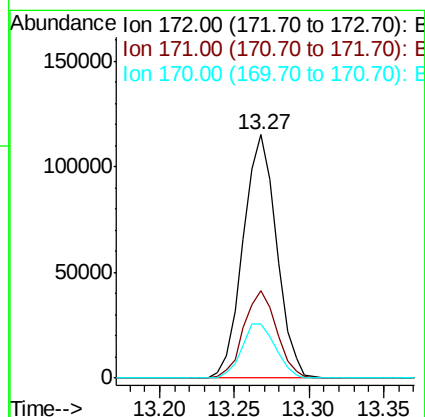
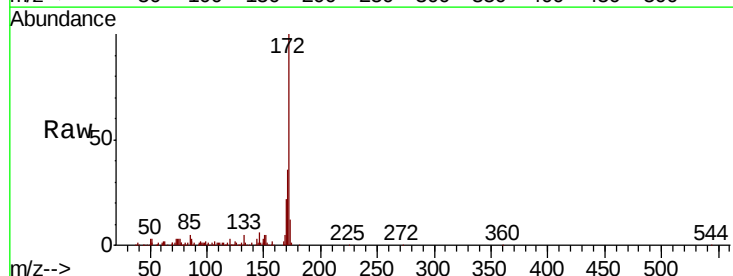
Instrument :
 BNA_G
 ClientSampleId :

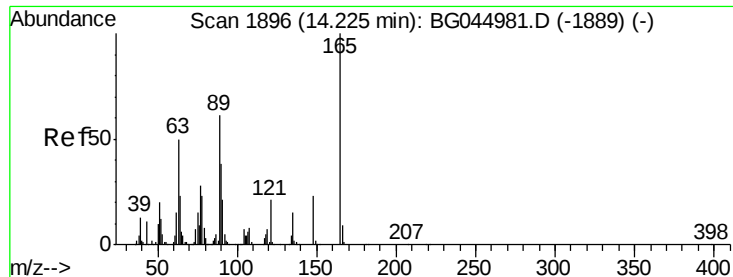
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.1	118.7
141	34.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 8.522 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG045149.D
 Acq: 23 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	46.0
170	22.5	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.284 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.43 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Instrument :

BNA_G

ClientSampleId :

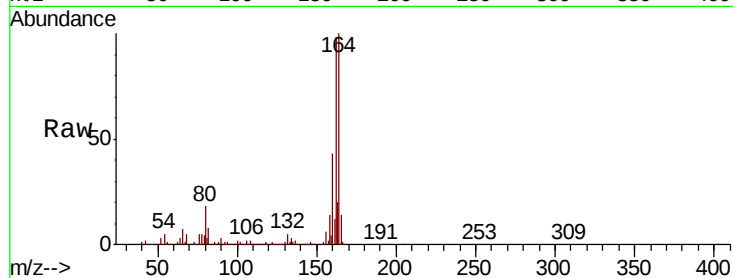
Tot Ion:165 Resp: 40786

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

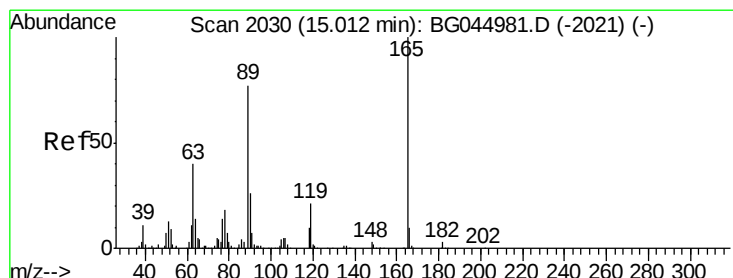
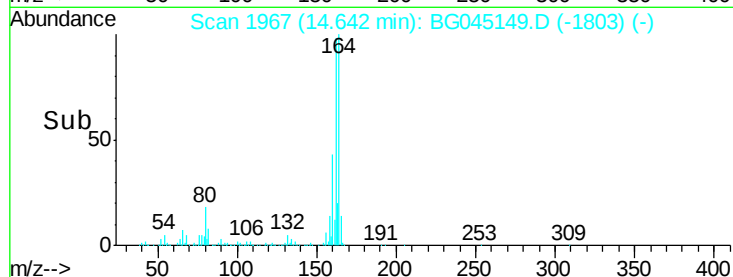
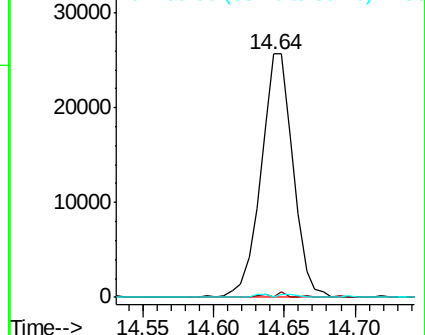
89 0.0 49.1 73.7#



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: 4.984 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.36 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Tgt Ion:165 Resp: 40786

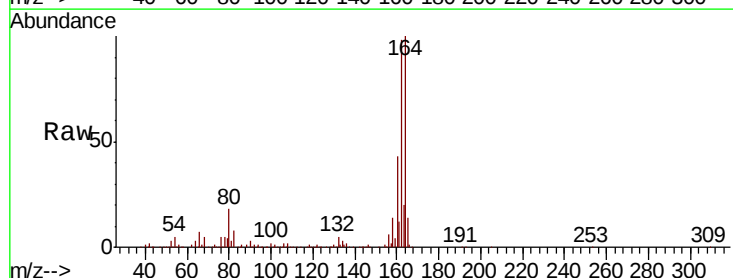
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

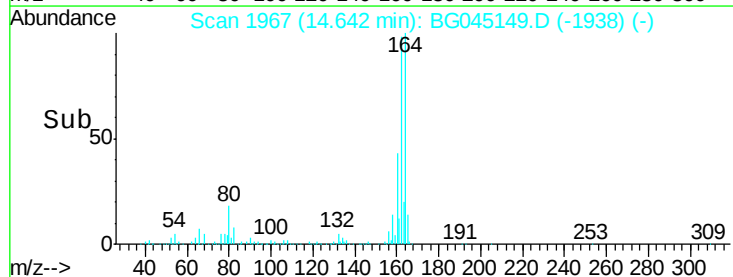
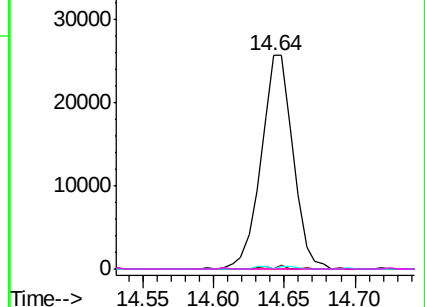


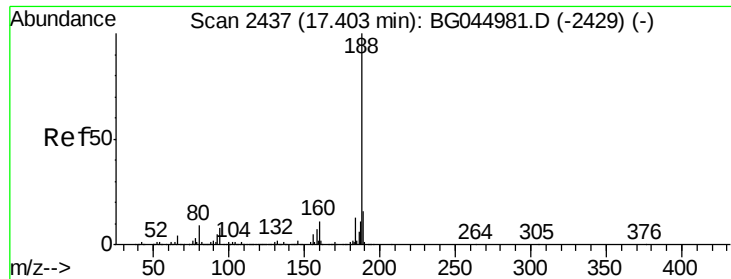
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Instrument :

BNA_G

ClientSampleId :

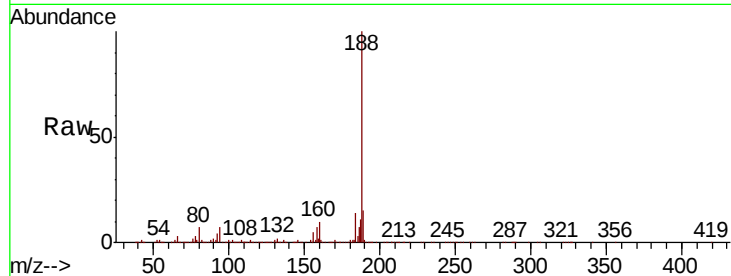
Tot Ion:188 Resp: 614947

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

80 7.4 7.0 10.6



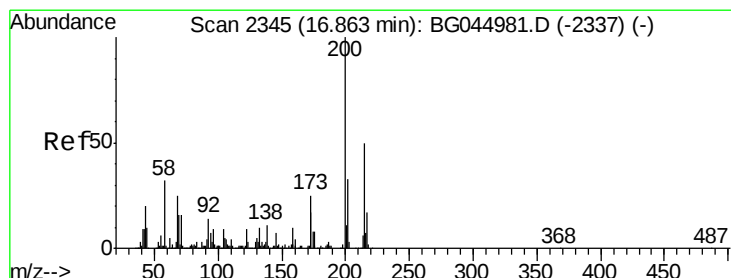
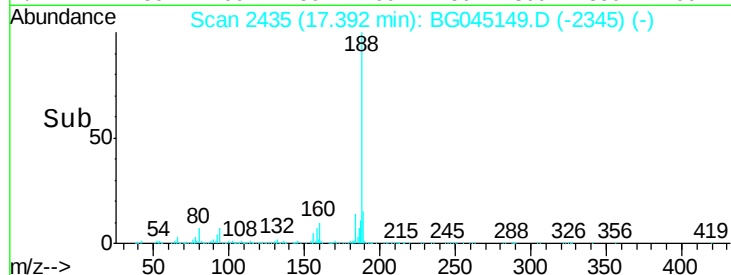
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.39

Time--> 17.30 17.40 17.50



#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2344

Delta R.T. 0.01 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

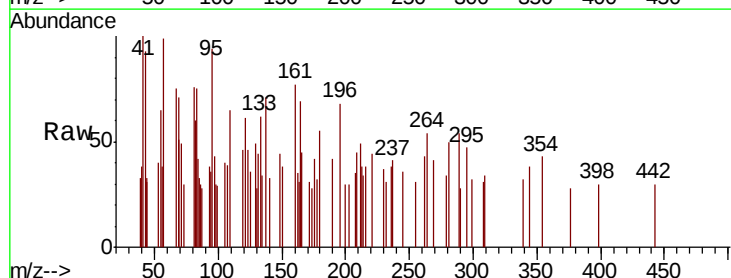
Tgt Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



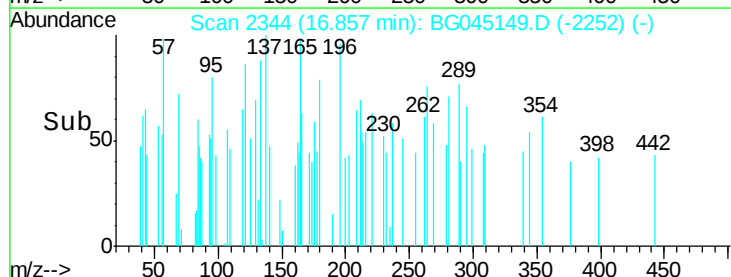
Abundance Ion 200.00 (199.70 to 200.70): E

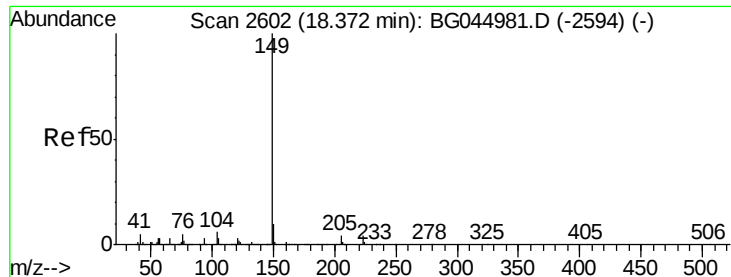
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.86

Time--> 16.85 16.86 16.87

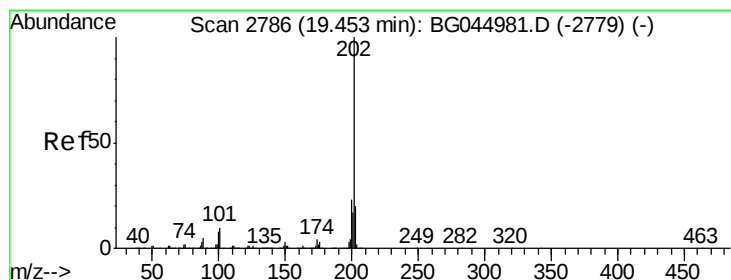
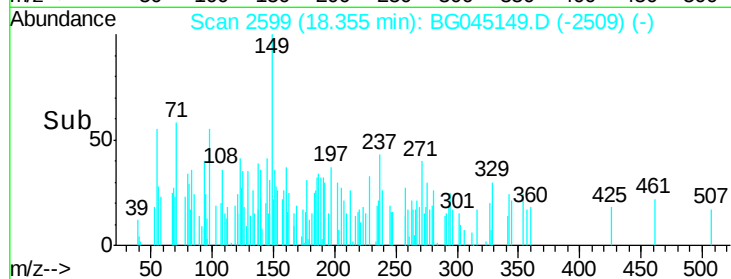
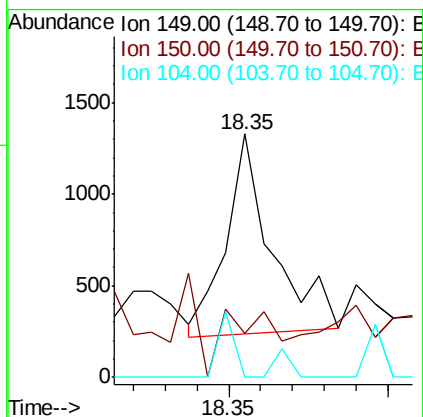
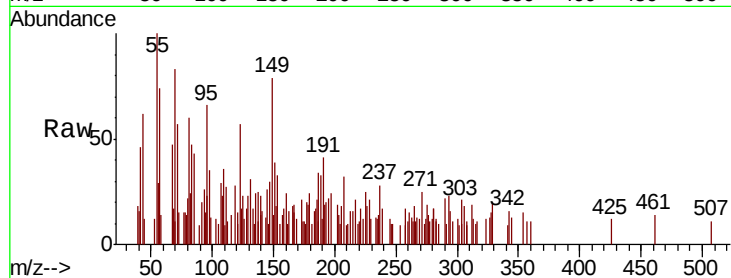




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.35 min Scan# 2599
Delta R.T. -0.00 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

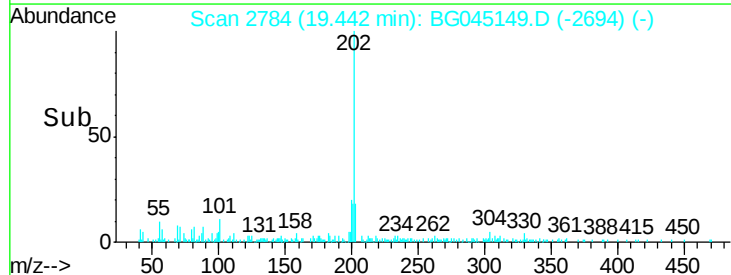
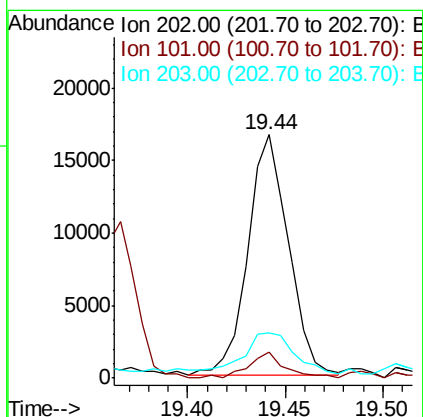
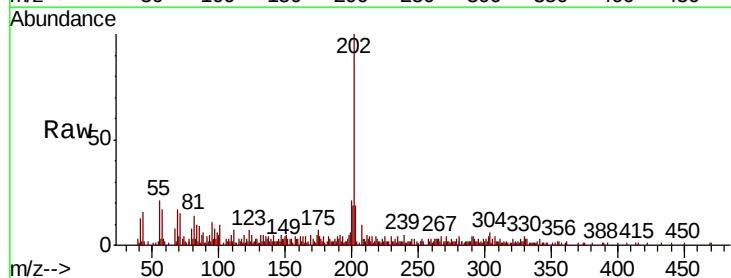
Instrument :
BNA_G
ClientSampleId :

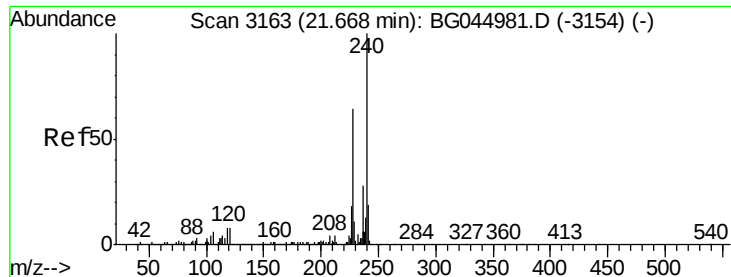
Tot Ion:149 Resp: 1090
Ion Ratio Lower Upper
149 100
150 17.8 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.44 min Scan# 2784
Delta R.T. -0.00 min
Lab File: BG045149.D
Acq: 23 Apr 2020 19:49

Tgt Ion:202 Resp: 23961
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.6
203 18.7 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Instrument :

BNA_G

ClientSampleId :

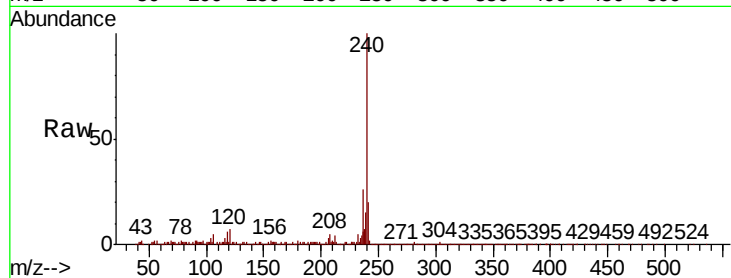
Tot Ion:240 Resp: 500339

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

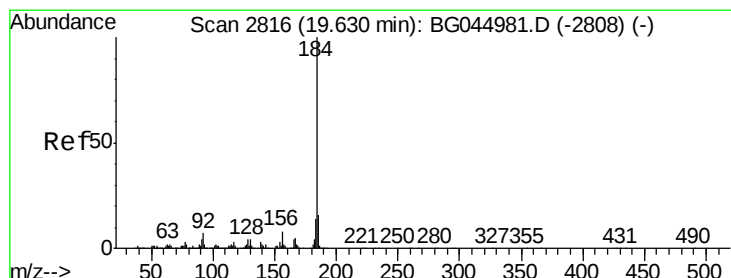
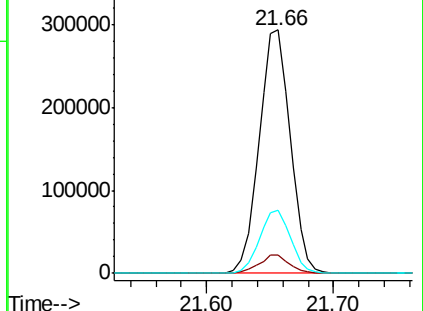
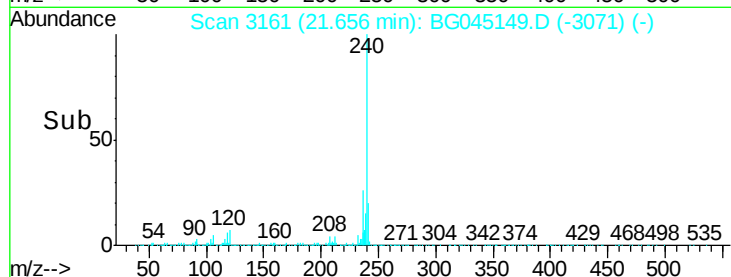
236 26.0 22.2 33.2



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: 19.62 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

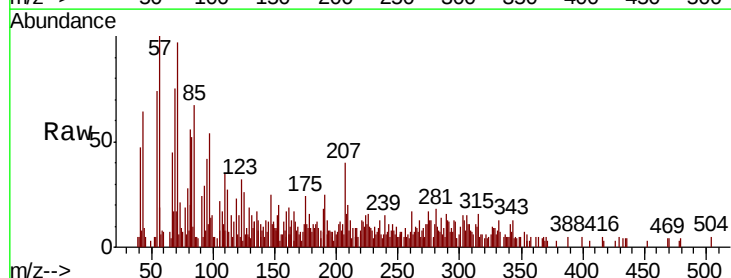
Tgt Ion:184 Resp: 414

Ion Ratio Lower Upper

184 100

185 73.6 12.6 19.0#

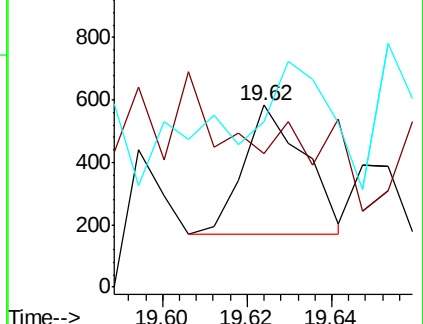
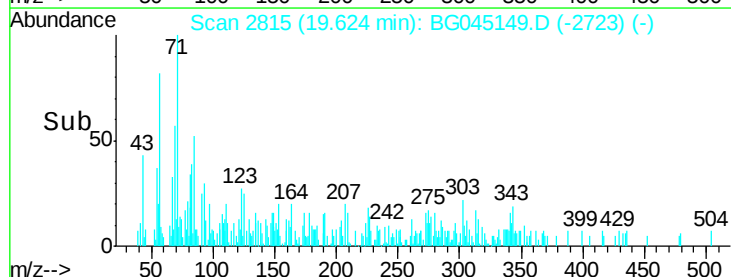
183 90.7 11.3 16.9#

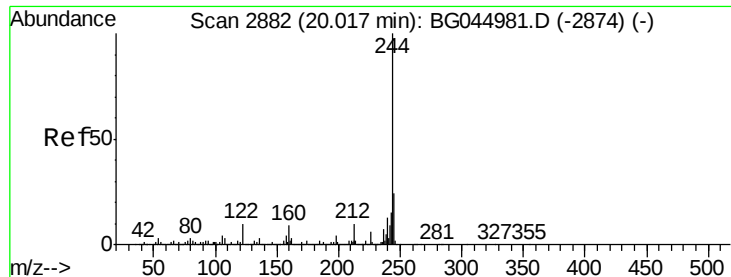


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 10.691 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

Instrument :

BNA_G

ClientSampleId :

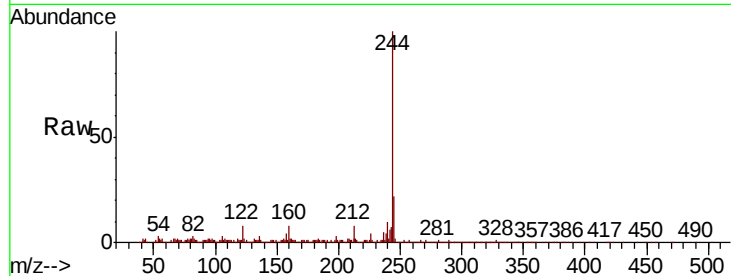
Tot Ion:244 Resp: 245424

Ion Ratio Lower Upper

244 100

212 7.8 7.9 11.9#

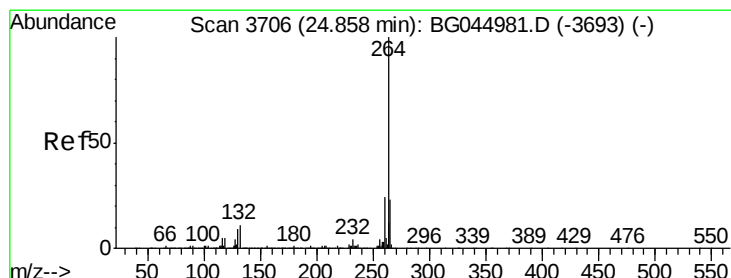
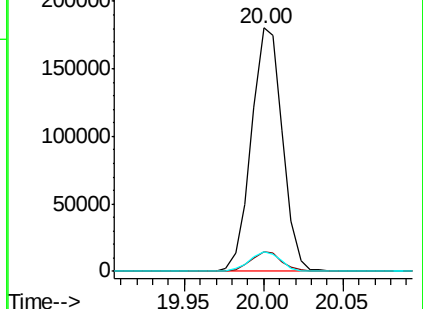
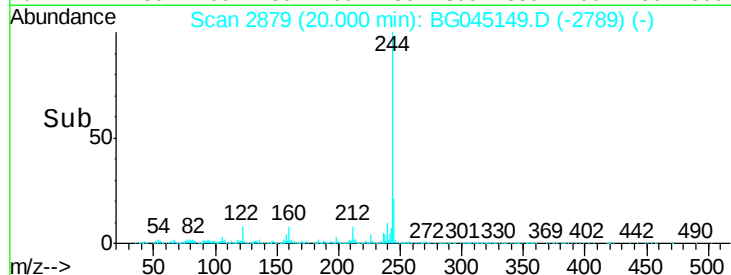
122 8.3 7.7 11.5



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# 3702

Delta R.T. -0.00 min

Lab File: BG045149.D

Acq: 23 Apr 2020 19:49

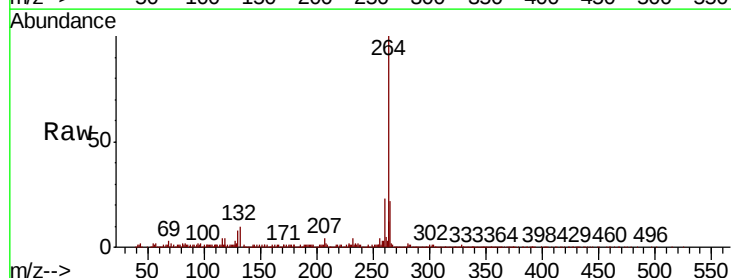
Tgt Ion:264 Resp: 553150

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.9 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

