

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
 Data File : BG045115.D
 Acq On : 21 Apr 2020 17:18
 Operator : CG/JU
 Sample : L2327-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-S

Quant Time: Apr 21 17:55:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 14:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63038	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	256227	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	188749	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	473291	20.00	ng	0.00
76) Chrysene-d12	21.66	240	434404	20.00	ng	0.00
87) Perylene-d12	24.85	264	467588	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	531873	139.30	ng	0.00
7) Phenol-d6	7.18	99	732429	129.11	ng	0.00
23) Nitrobenzene-d5	9.17	82	591824	105.39	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	502817	172.44	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1399798	108.74	ng	0.00
79) Terphenyl-d14	20.01	244	2306425	115.72	ng	0.00

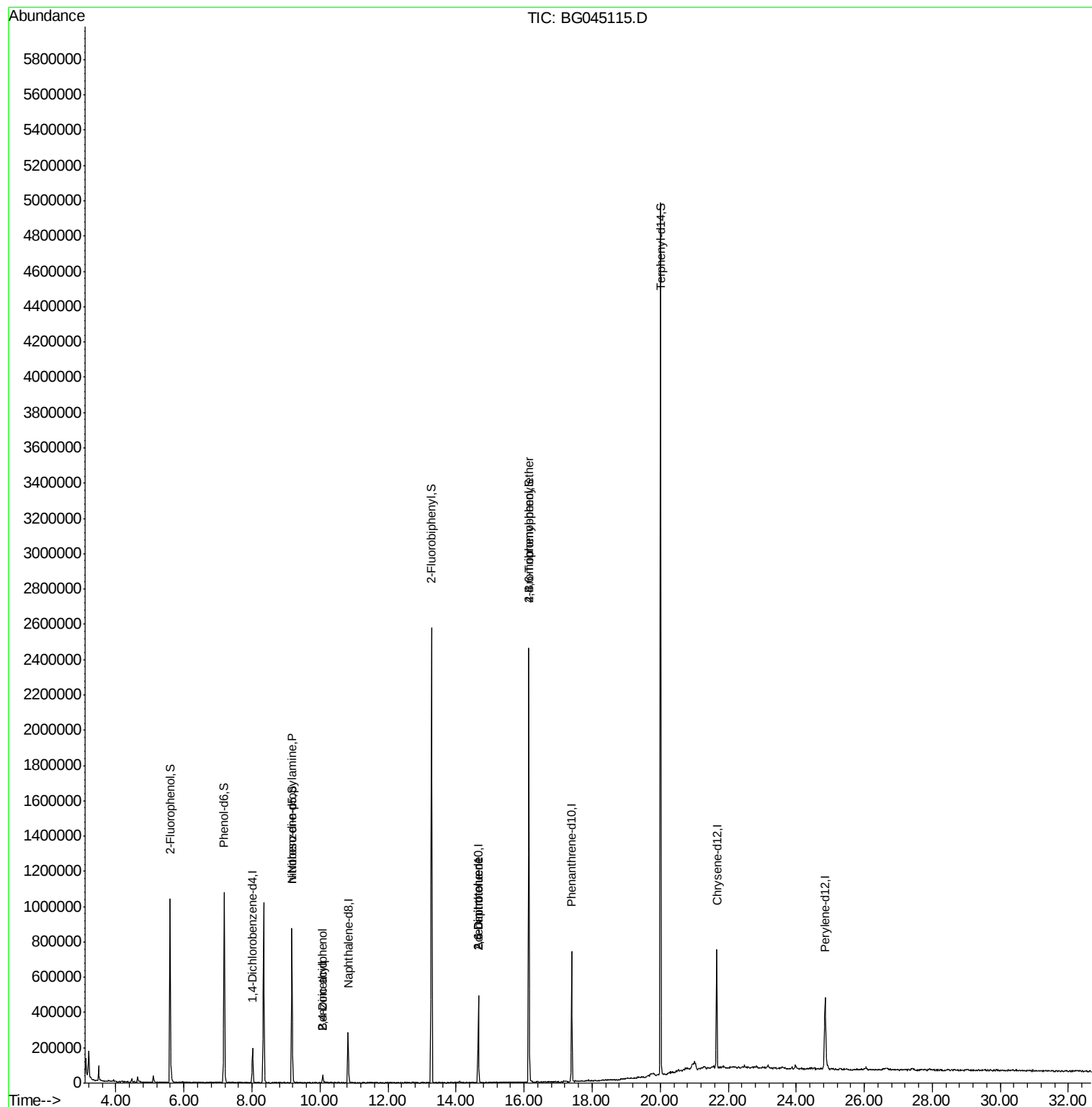
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	192	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	81040	20.200	ng	85
27) 2,4-Dimethylphenol	10.08	122	18293	4.650	ng	2
32) Benzoic acid	10.08	122	18293	11.365	ng	91
51) 2,6-Dinitrotoluene	14.65	165	25659	7.464	ng	24
57) 2,4-Dinitrotoluene	14.65	165	25659	5.108	ng	22
67) 4-Bromophenyl-phenylether	16.14	248	34532	5.656	ng	1
69) Atrazine	16.77	200	69	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1270	Below Cal	#	76
75) Fluoranthene	19.45	202	882	Below Cal	#	83
77) Benzydine	20.01	184	46452	Below Cal	#	89

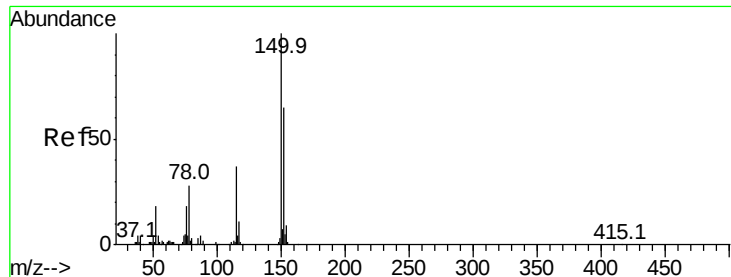
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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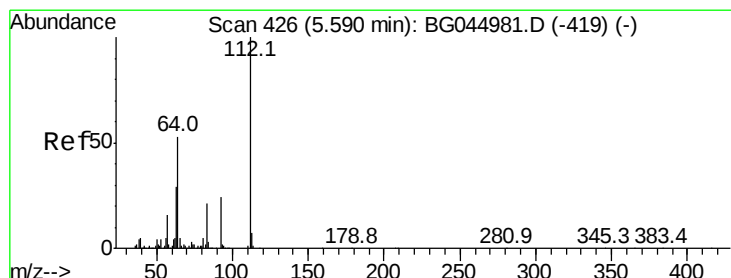
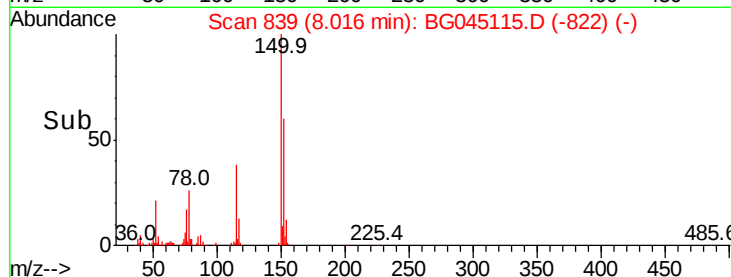
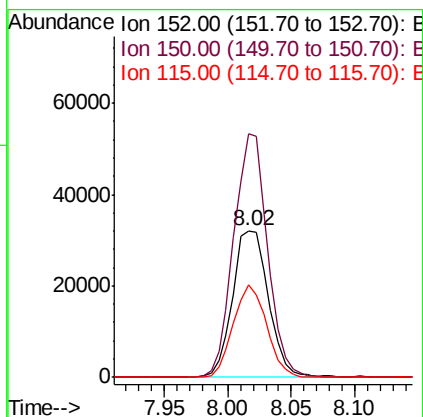
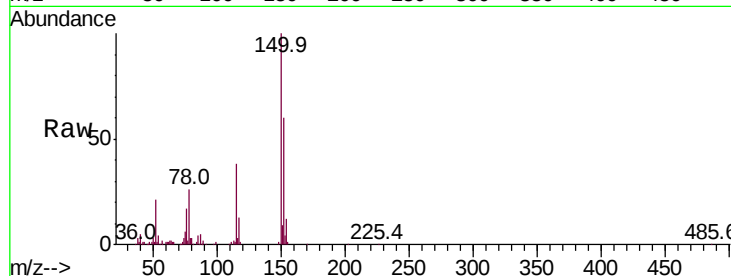


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Instrument :
BNA_G
ClientSampleId :
TP-1-S

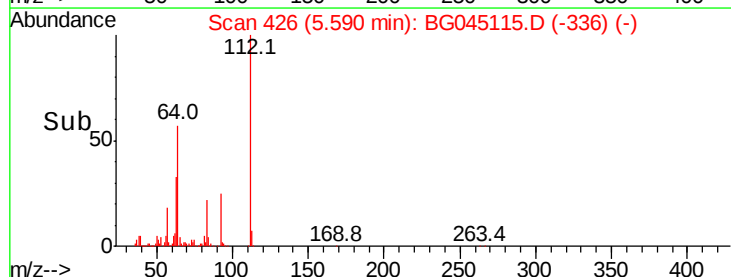
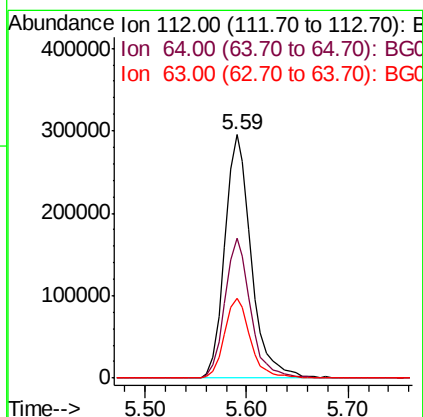
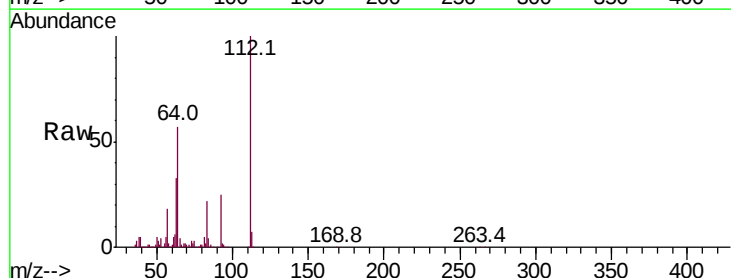
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.0	123.6	185.4
115	62.8	49.1	73.7

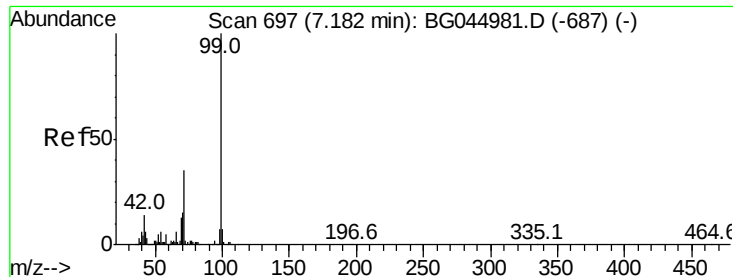


#5

2-Fluorophenol
Concen: 139.296 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	42.4	63.6
63	32.9	23.1	34.7





#7

Phenol-d6

Concen: 129.107 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

Instrument :

BNA_G

ClientSampled :

TP-1-S

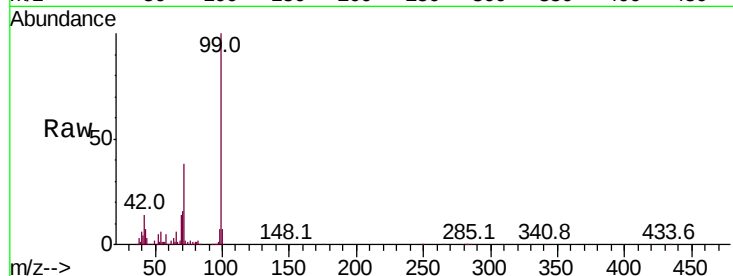
Tot Ion: 99 Resp: 732429

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

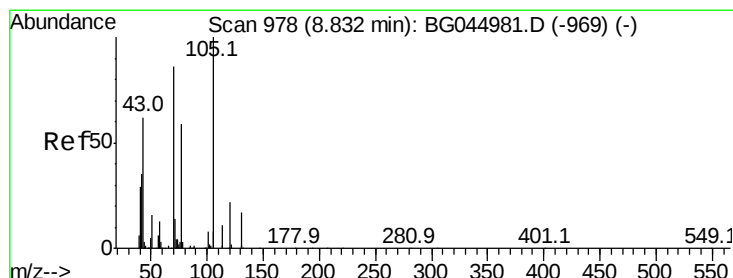
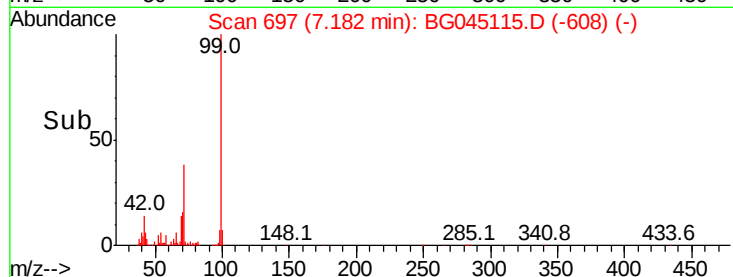
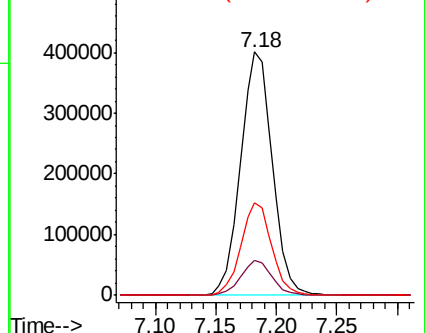
71 37.8 28.3 42.5



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: 20.200 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

Tgt Ion: 70 Resp: 81040

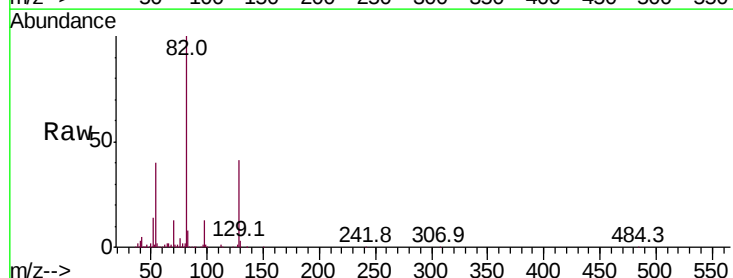
Ion Ratio Lower Upper

70 100

42 40.7 33.3 49.9

101 0.0 7.8 11.8#

130 2.5 15.8 23.6#

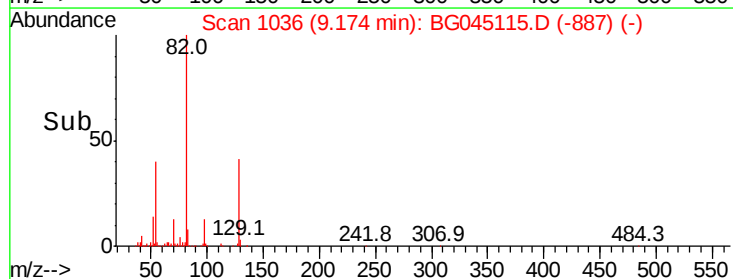
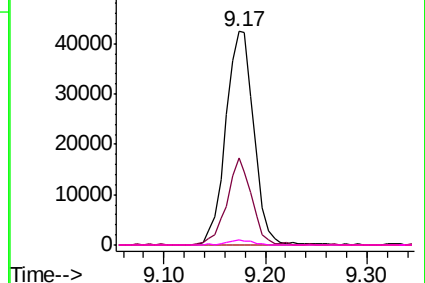


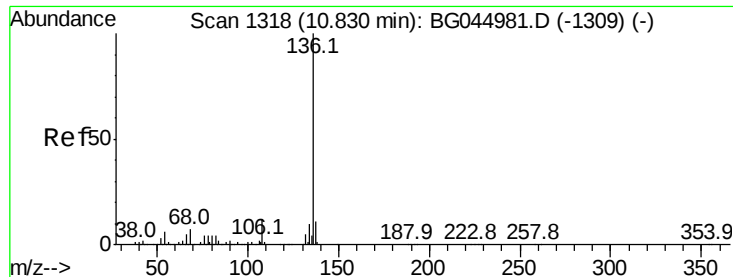
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

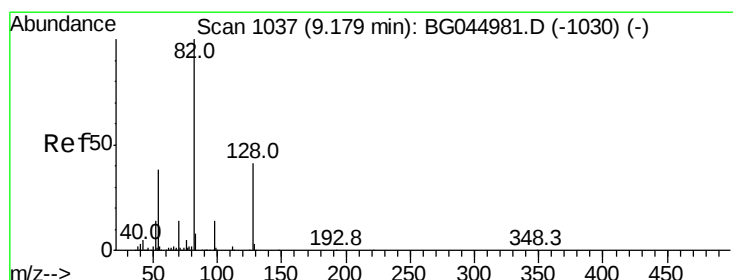
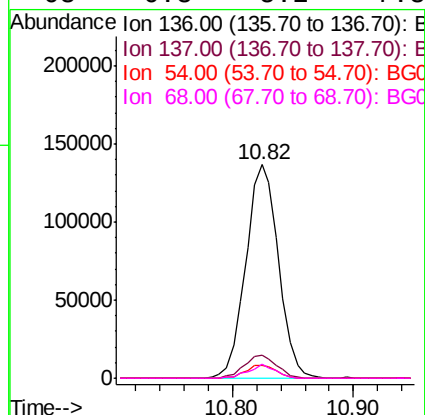
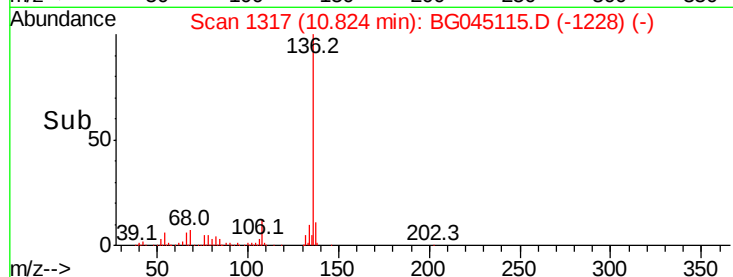
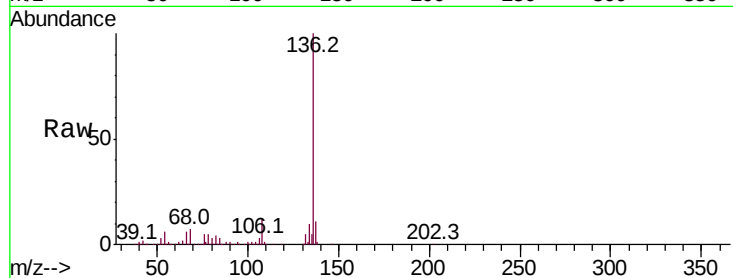




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

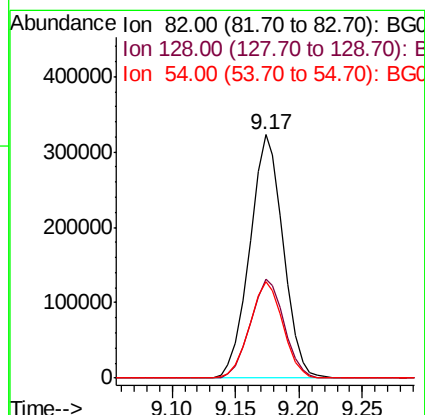
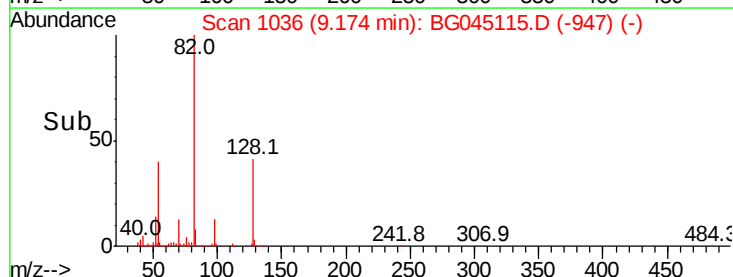
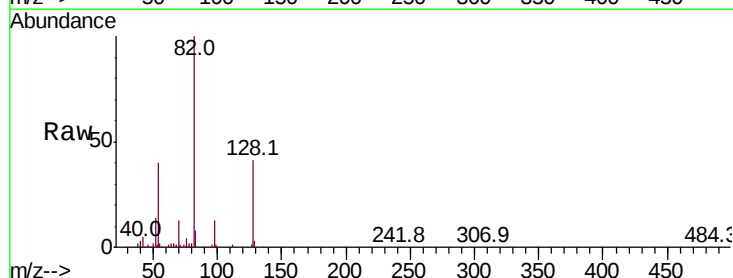
Instrument :
BNA_G
ClientSampleId :
TP-1-S

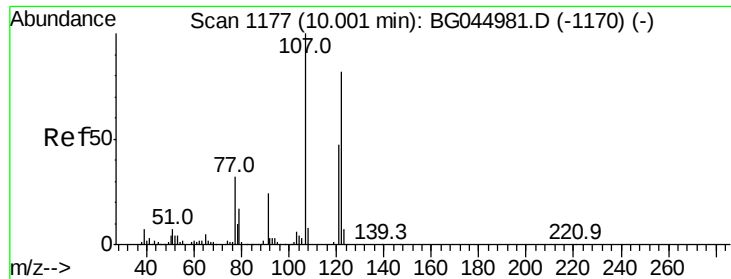
Tot Ion:136	Resp: 256227
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 13.0
54 6.0	4.8 7.2
68 6.8	5.2 7.8



#23
Nitrobenzene-d5
Concen: 105.392 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Tgt Ion	82	Resp: 591824	
	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	39.5	30.4	45.6

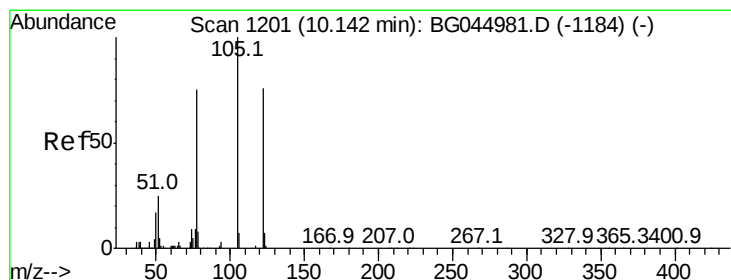
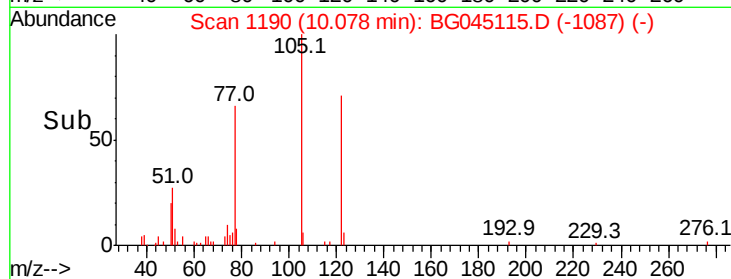
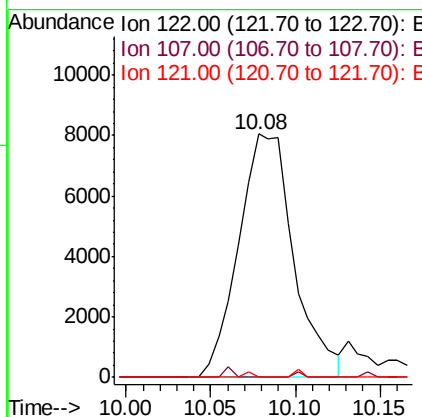
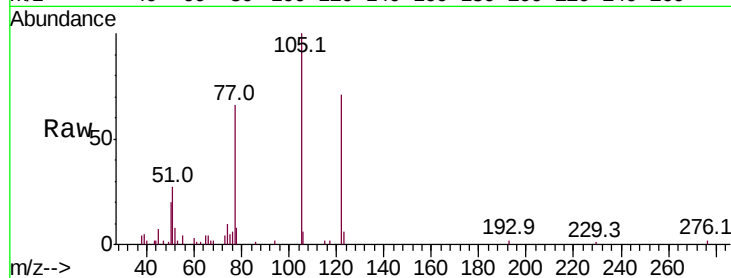




#27
2,4-Dimethylphenol
Concen: 4.650 ng
RT: 10.08 min Scan# 1190
Delta R.T. 0.08 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

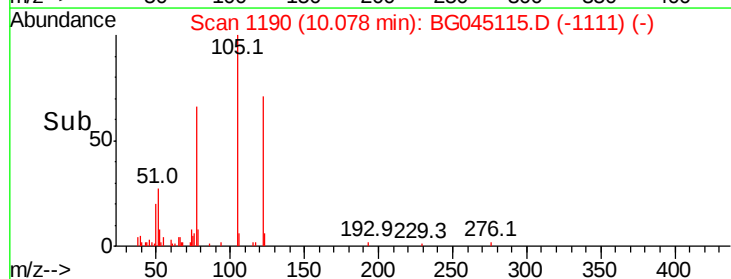
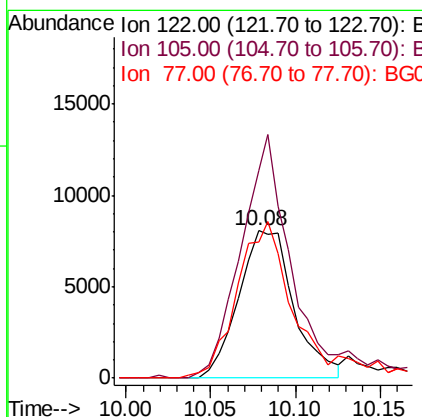
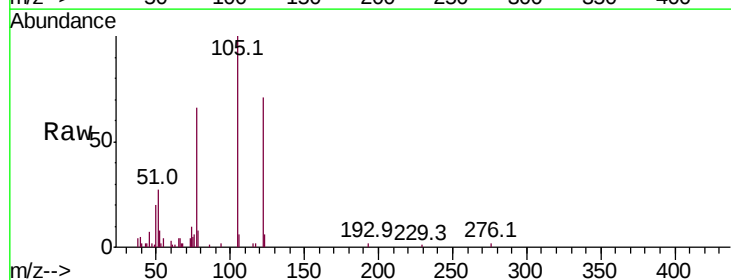
Instrument :
BNA_G
ClientSampleId :
TP-1-S

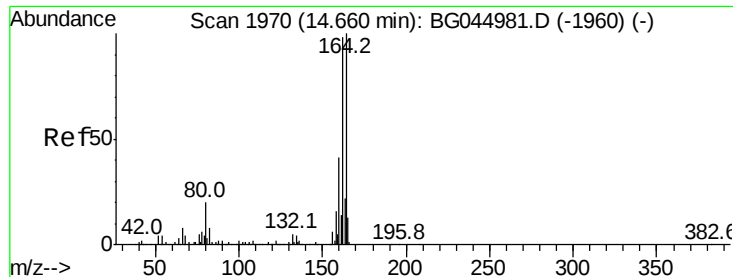
Tot Ion:122 Resp: 18293
Ion Ratio Lower Upper
122 100
107 0.0 96.8 145.2#
121 0.0 45.6 68.4#



#32
Benzoic acid
Concen: 11.365 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.07 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Tgt Ion:122 Resp: 18293
Ion Ratio Lower Upper
122 100
105 140.7 108.4 148.4
77 92.7 78.8 118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

Instrument :

BNA_G

ClientSampleId :

TP-1-S

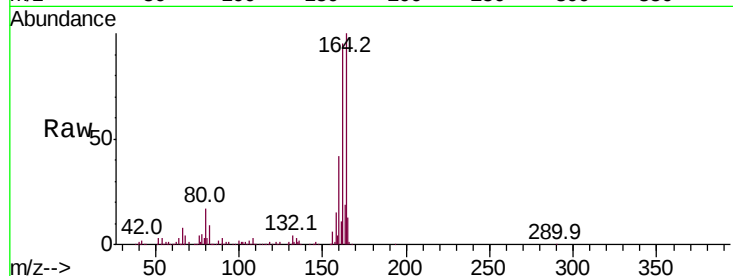
Tot Ion:164 Resp: 188749

Ion Ratio Lower Upper

164 100

162 95.1 78.7 118.1

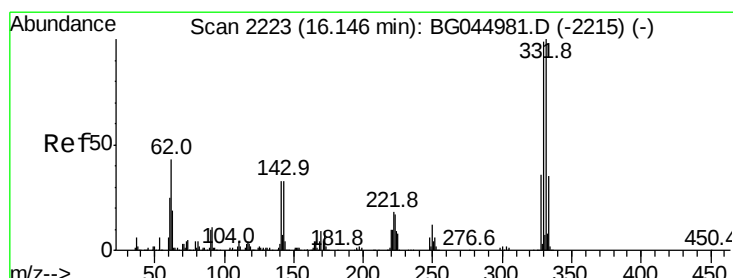
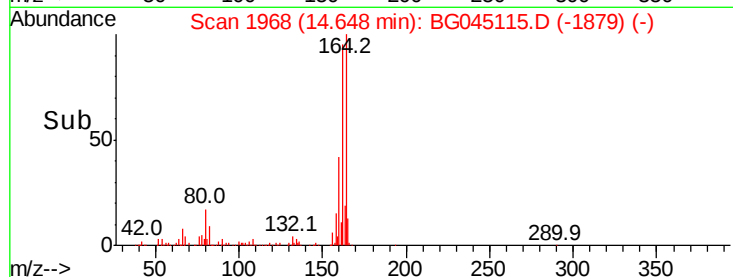
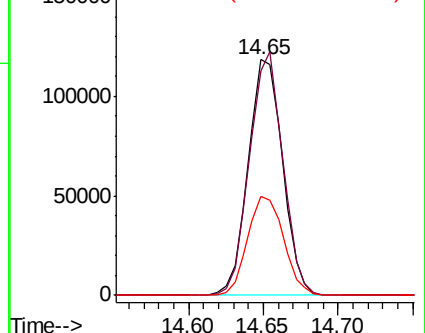
160 42.0 32.8 49.2



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: 172.438 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

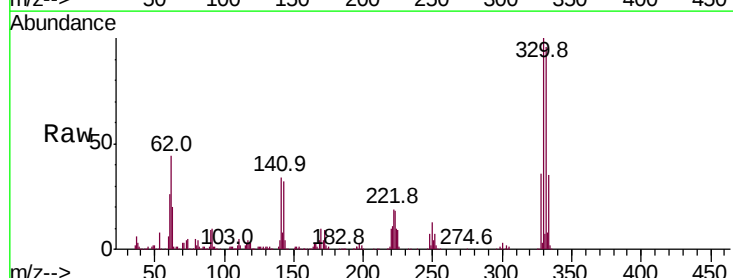
Tgt Ion:330 Resp: 502817

Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

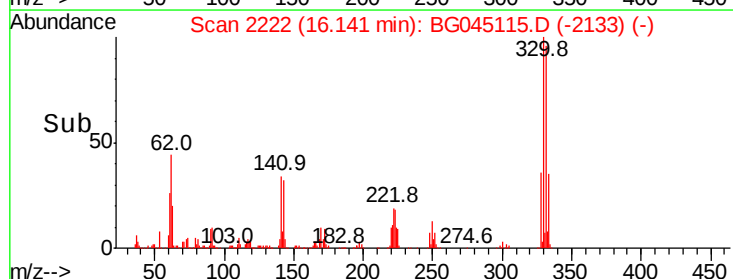
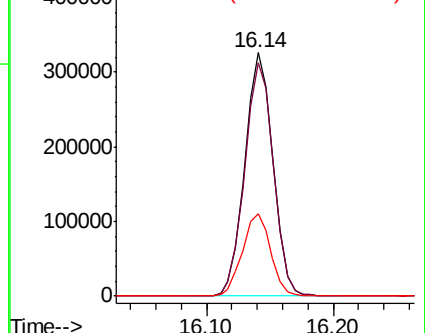
141 34.0 27.1 40.7

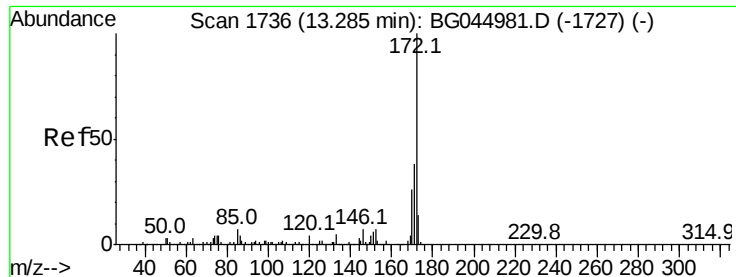


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 108.745 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

Instrument :

BNA_G

ClientSampleId :

TP-1-S

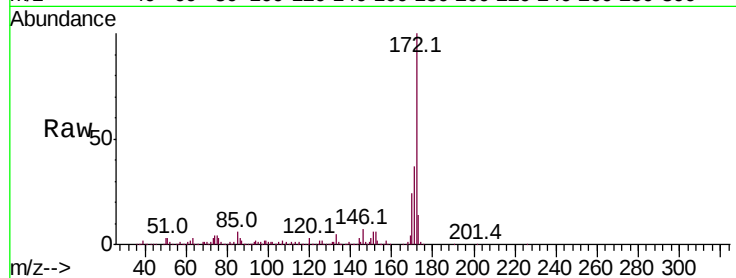
Tot Ion:172 Resp: 1399798

Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.6	46.0
170	24.0	20.5	30.7

172 100

171 37.5 30.6 46.0

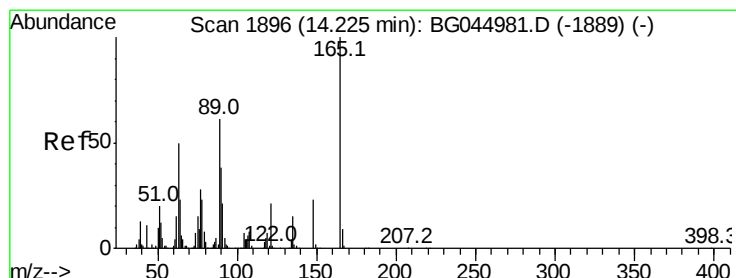
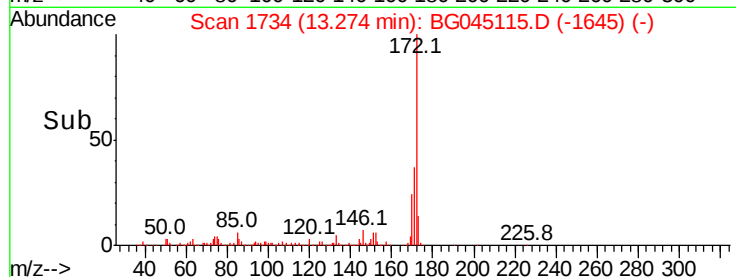
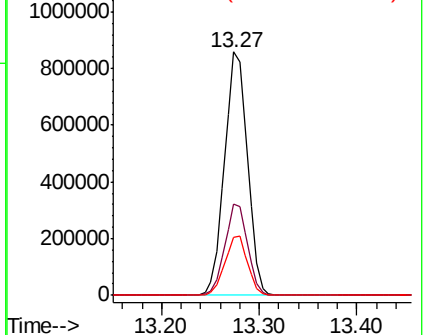
170 24.0 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 7.464 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG045115.D

Acq: 21 Apr 2020 17:18

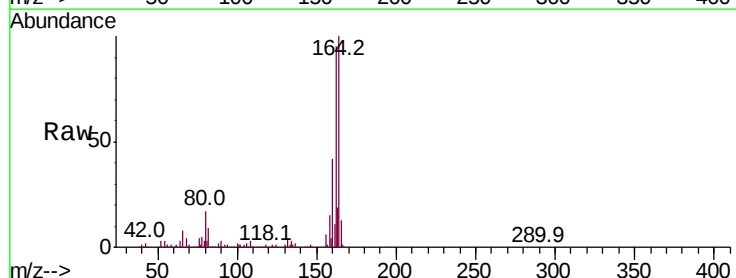
Tgt Ion:165 Resp: 25659

Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	1.5	49.1	73.7#

165 100

63 0.0 40.4 60.6#

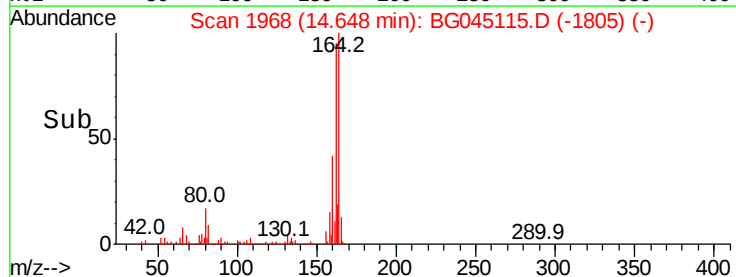
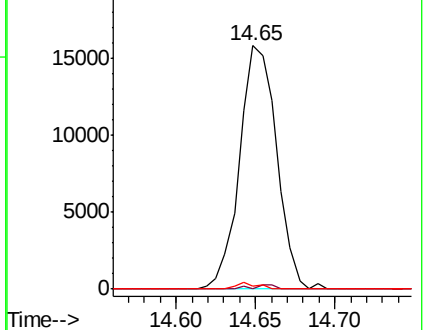
89 1.5 49.1 73.7#

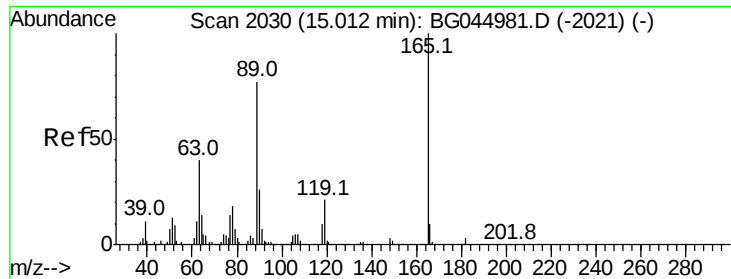


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

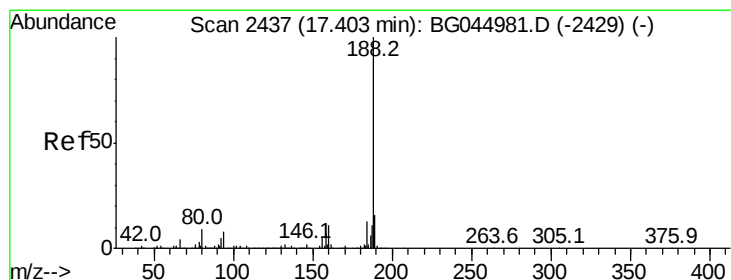
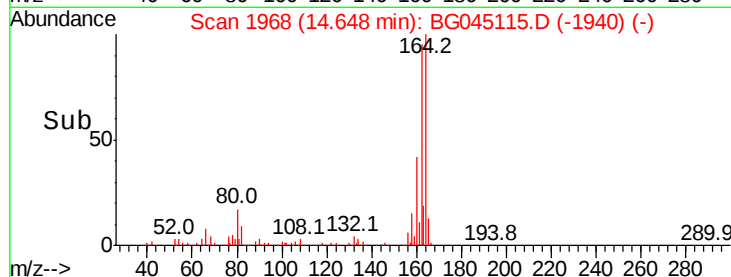
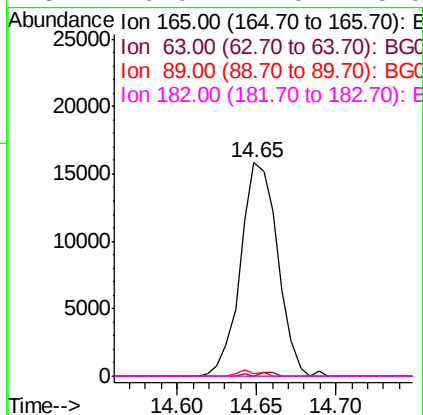
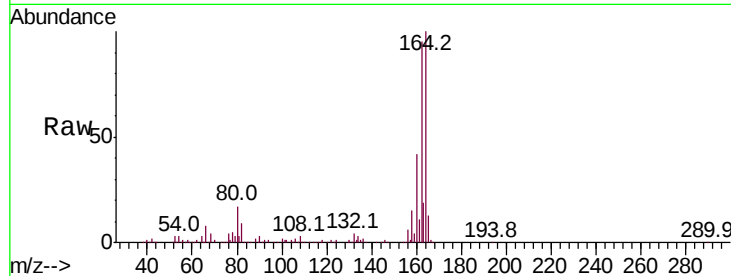




#57
 2,4-Dinitrotoluene
 Concen: 5.108 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

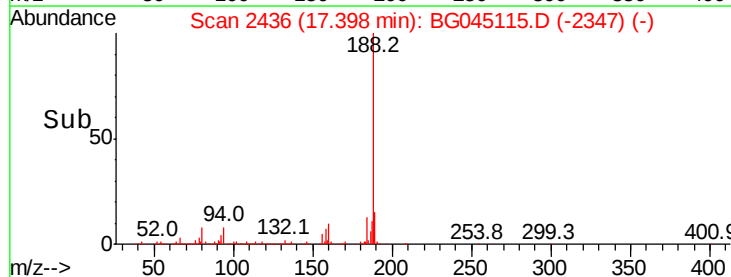
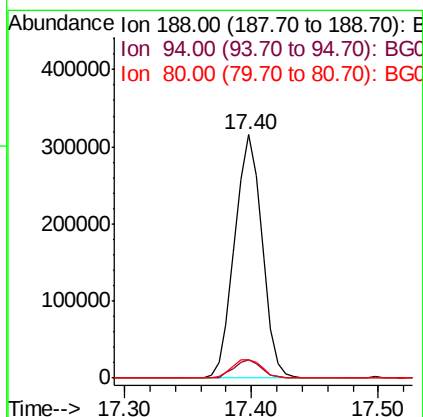
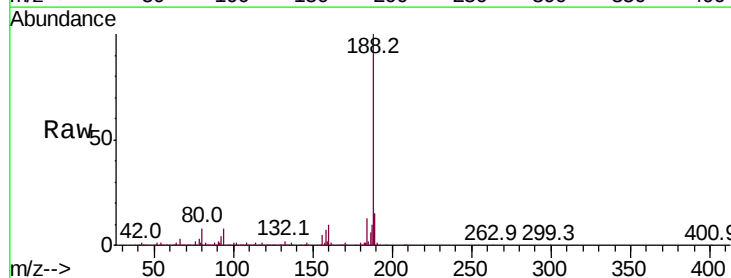
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-S

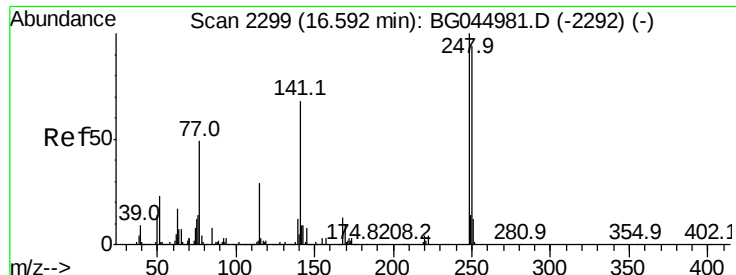
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	1.5	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.4
80	7.8	7.0	10.6

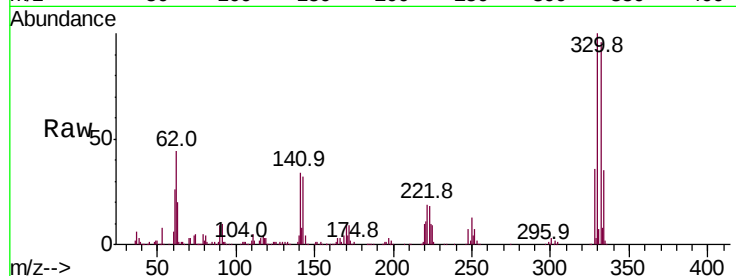




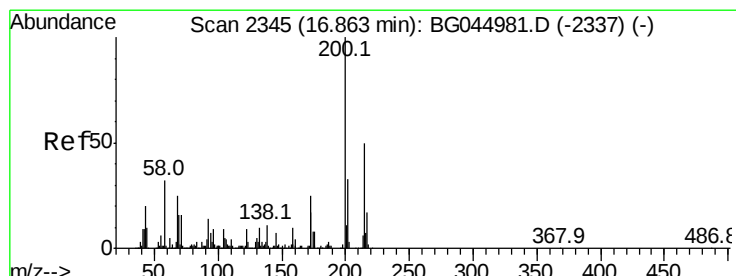
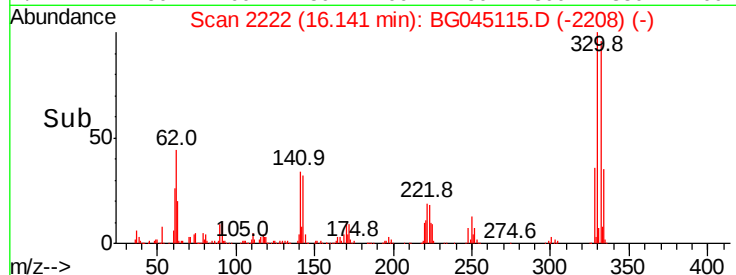
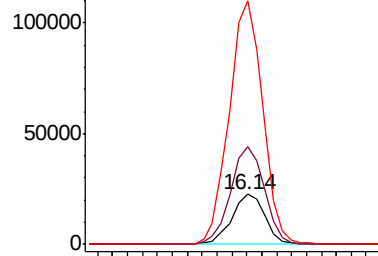
#67
4-Bromophenyl-phenylether
Concen: 5.656 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.45 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Instrument :
BNA_G
ClientSampled :
TP-1-S

Tot Ion:248 Resp: 34532
Ion Ratio Lower Upper
248 100
250 195.5 75.4 113.2#
141 489.4 54.4 81.6#

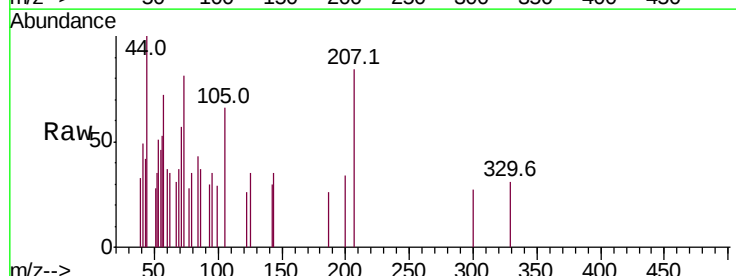


Abundance Ion 248.00 (247.70 to 248.70): E
150000 Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

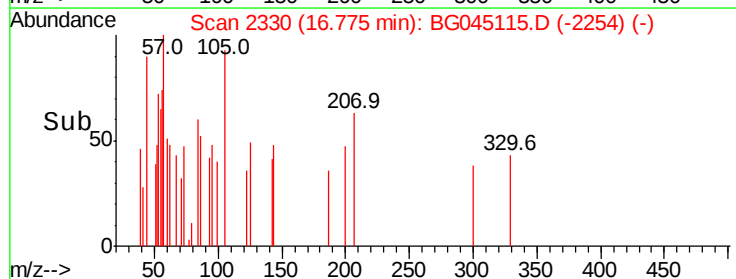
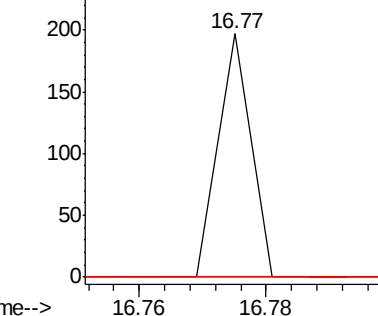


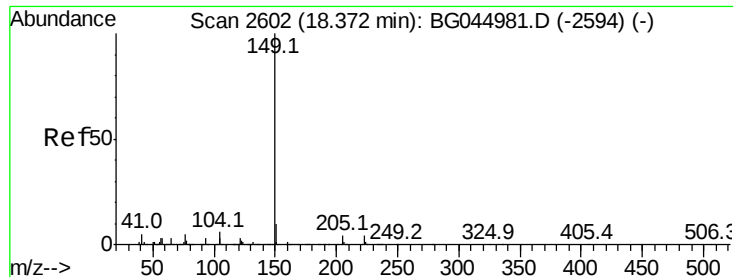
#69
Atrazine
Concen: Below Cal
RT: 16.77 min Scan# 2330
Delta R.T. -0.08 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Tgt Ion:200 Resp: 69
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
250 Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

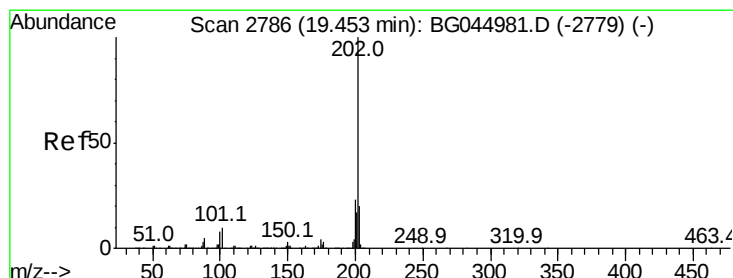
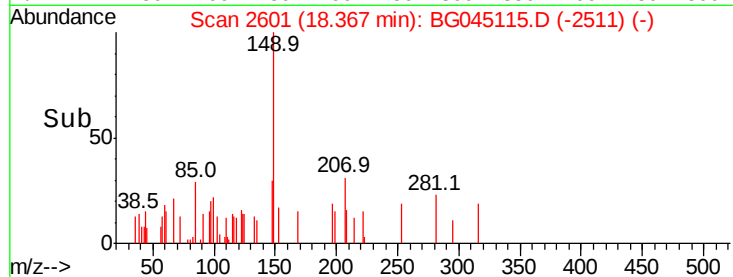
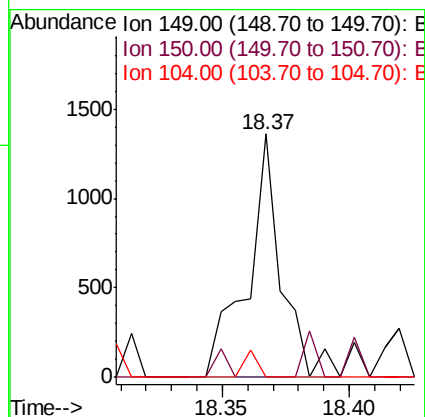
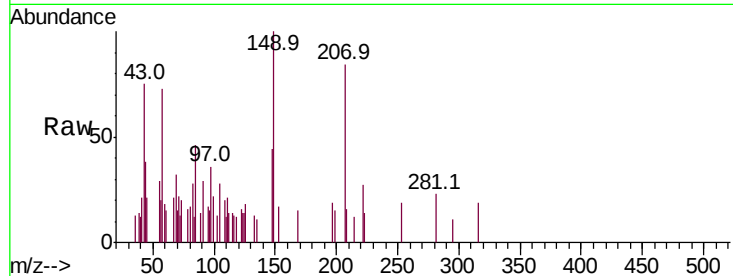




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

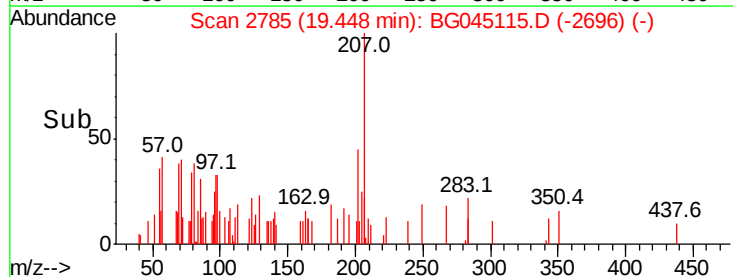
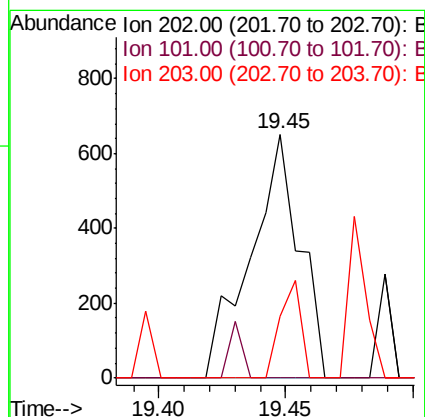
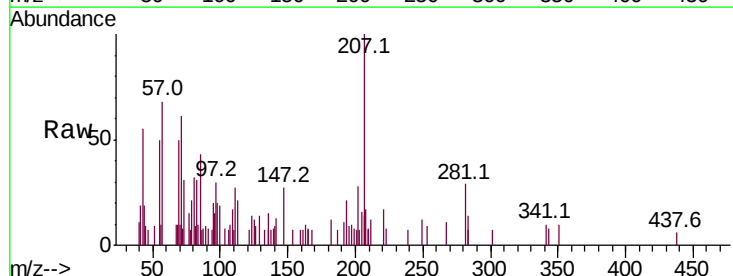
Instrument :
BNA_G
ClientSampleId :
TP-1-S

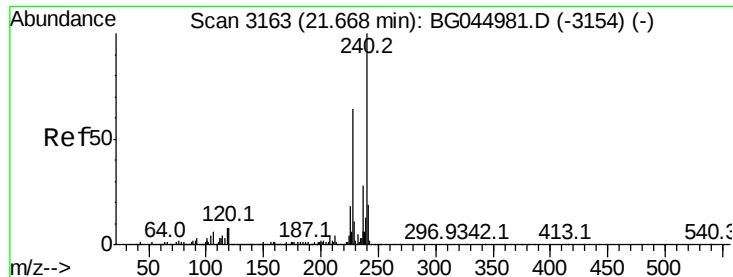
Tot Ion:149 Resp: 1270
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BG045115.D
Acq: 21 Apr 2020 17:18

Tgt Ion:202 Resp: 882
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 25.5 0.0 39.7

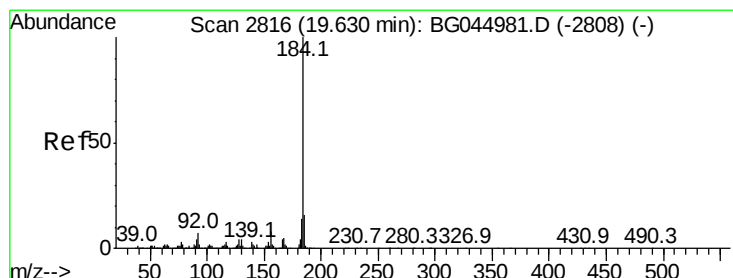
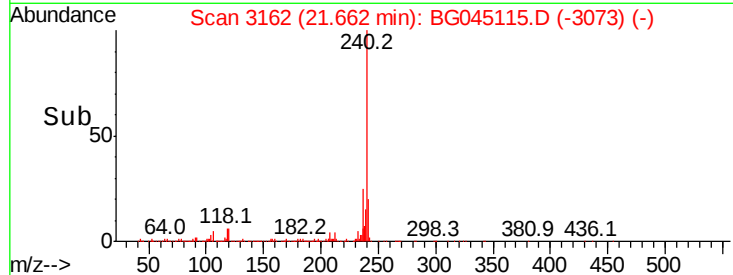
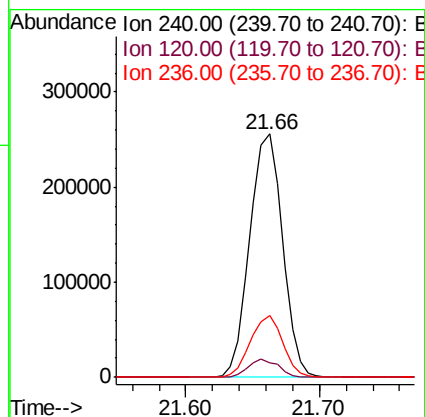
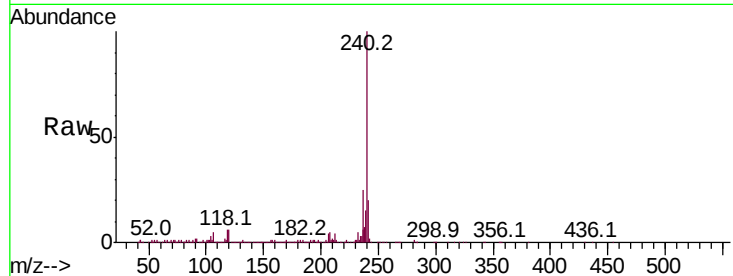




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

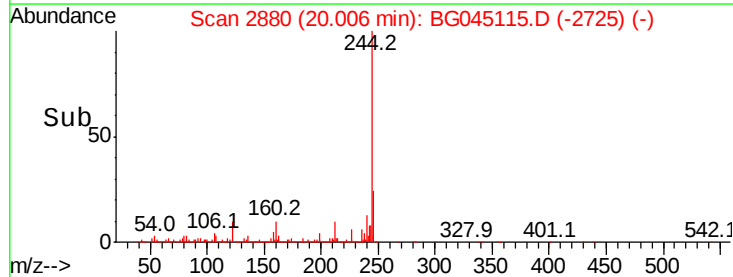
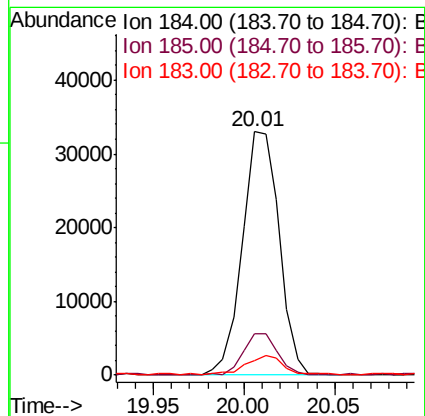
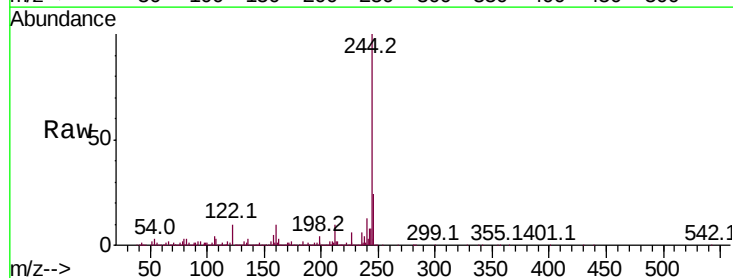
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-S

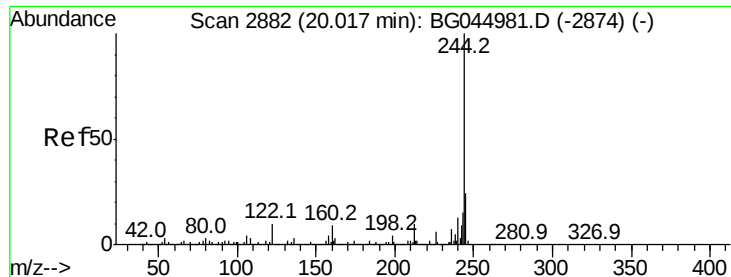
Tot Ion:240 Resp: 434404
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.6 10.0#
 236 25.5 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.01 min Scan# 2880
 Delta R.T. 0.38 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

Tgt Ion:184 Resp: 46452
 Ion Ratio Lower Upper
 184 100
 185 16.8 12.6 19.0
 183 5.9 11.3 16.9#

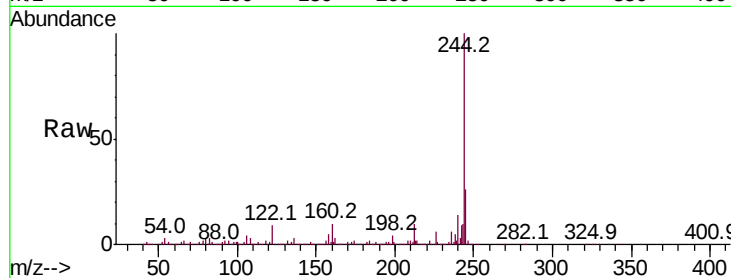




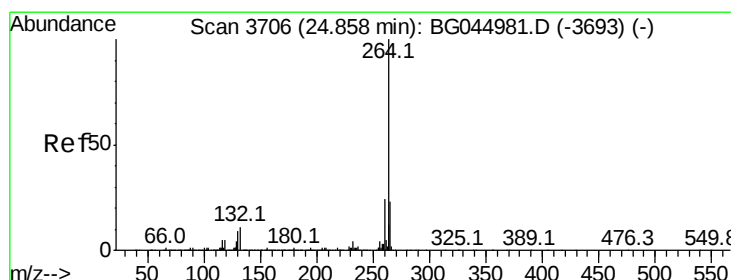
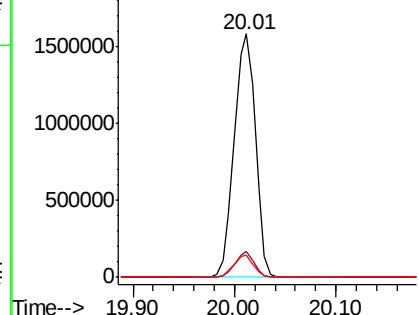
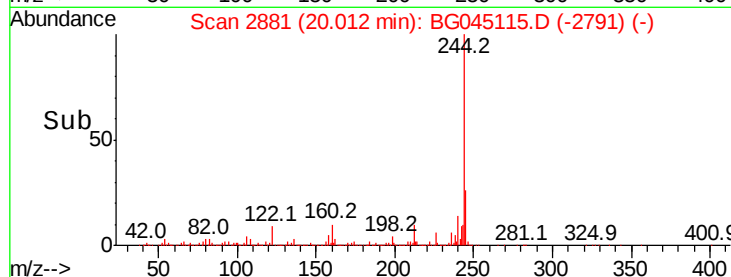
#79
 Terphenyl-d14
 Concen: 115.722 ng
 RT: 20.01 min Scan# 2881
 Delta R.T. -0.00 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-S

Tot Ion:244 Resp: 2306425
 Ion Ratio Lower Upper
 244 100
 212 10.5 7.9 11.9
 122 9.2 7.7 11.5

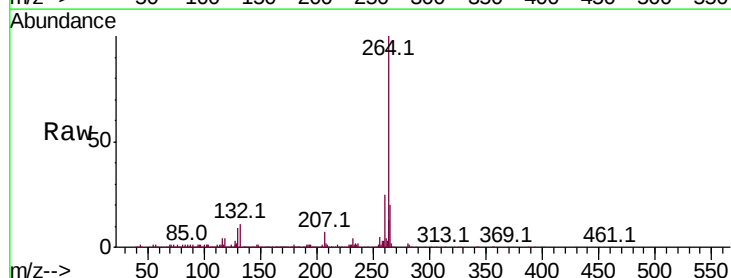


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG045115.D
 Acq: 21 Apr 2020 17:18

Tgt Ion:264 Resp: 467588
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 20.0 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

