

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032519\
 Data File : BG040143.D
 Acq On : 26 Mar 2019 9:32
 Operator : JU/SJ
 Sample : K2059-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 26 14:16:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	36010	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	155387	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	118995	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	292268	20.00	ng	-0.03
76) Chrysene-d12	21.80	240	296387	20.00	ng	-0.03
87) Perylene-d12	25.15	264	302090	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	133522	63.26	ng	-0.03
7) Phenol-d6	7.29	99	123876	39.36	ng	-0.03
23) Nitrobenzene-d5	9.32	82	249896	86.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	183890	132.58	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	645388	77.22	ng	-0.03
79) Terphenyl-d14	20.10	244	1108184	82.32	ng	-0.02

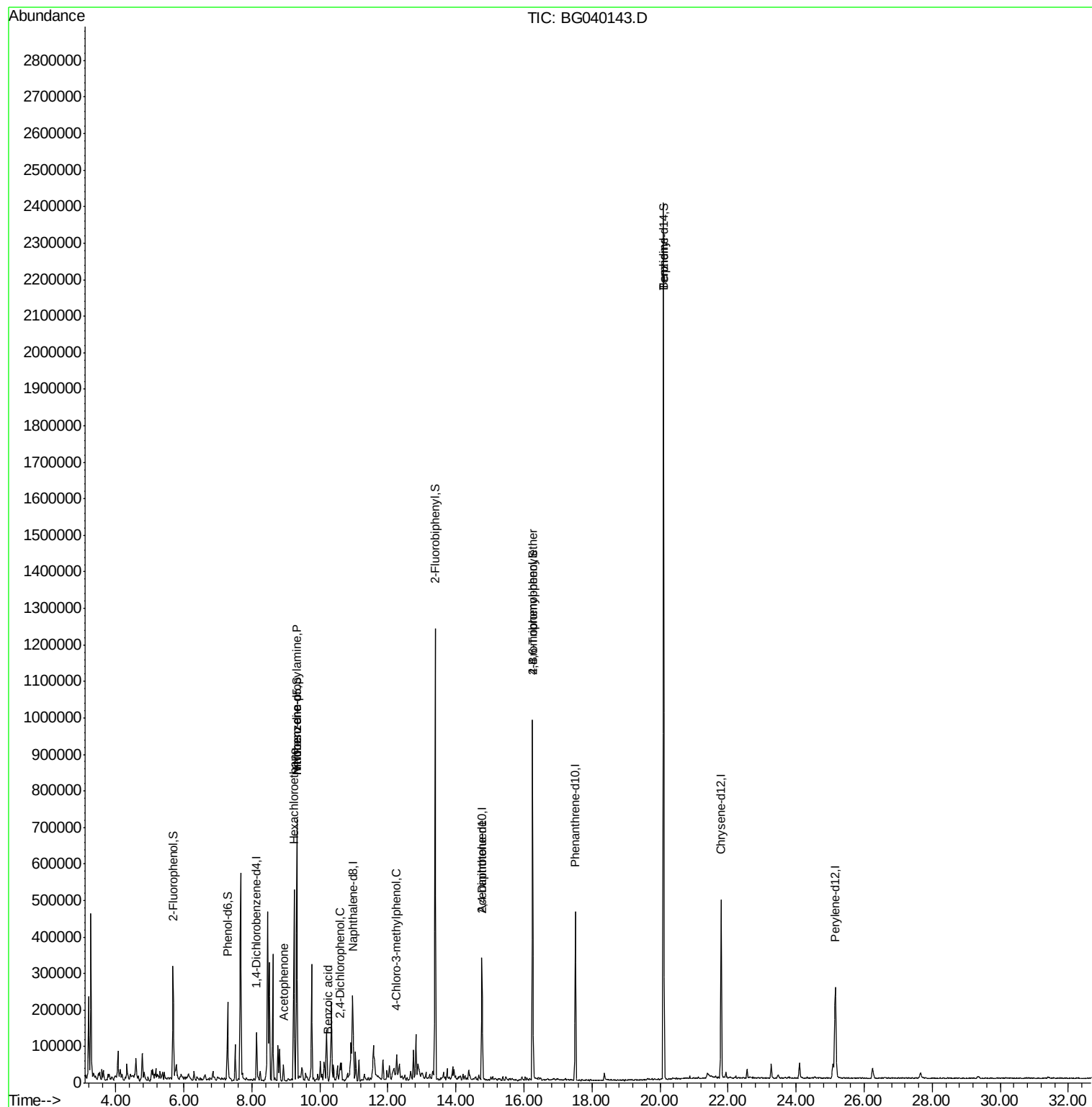
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.24	117	48904	46.201	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	33278	14.690	ng	# 72
22) Acetophenone	8.93	105	30144	7.228	ng	# 50
24) Nitrobenzene	9.32	77	12791	4.244	ng	# 1
29) 2,4-Dichlorophenol	10.60	162	5648	2.216	ng	# 23
32) Benzoic acid	10.24	122	66	6.635	ng	# 36
36) 4-Chloro-3-methylphenol	12.25	107	13771	4.714	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	15616	5.269	ng	# 22
67) 4-Bromophenyl-phenylether	16.26	248	14580	4.457	ng	# 1
77) Benzidine	20.10	184	19342	2.057	ng	# 94

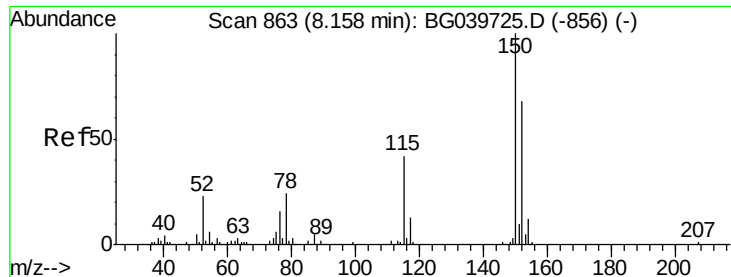
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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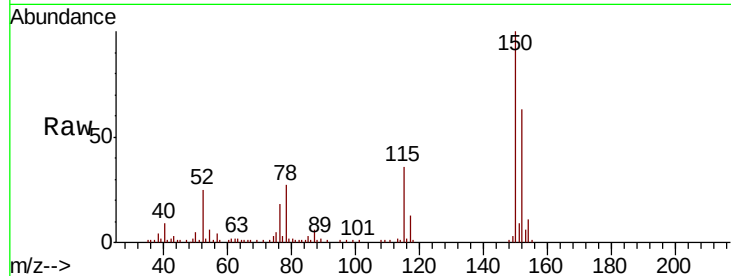


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.7	185.5
115	56.8	45.9	68.9

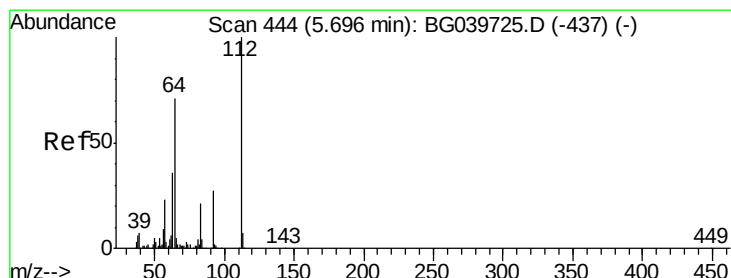
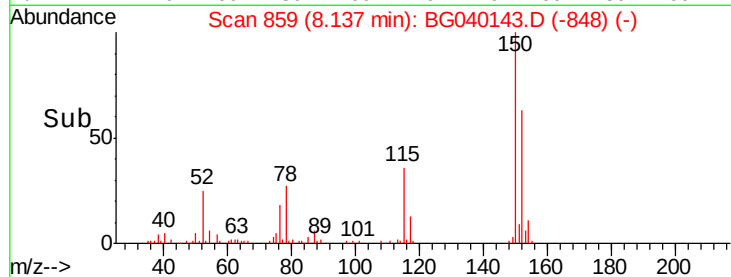
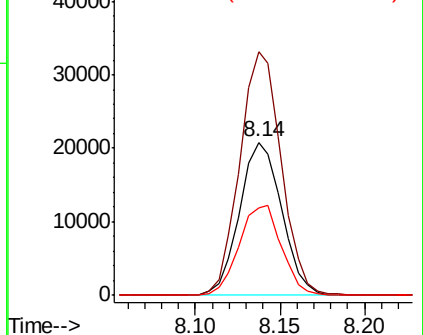


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

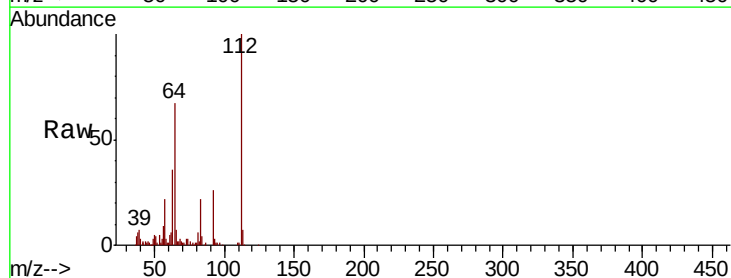
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 63.257 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	57.8	86.8
63	36.0	29.8	44.6

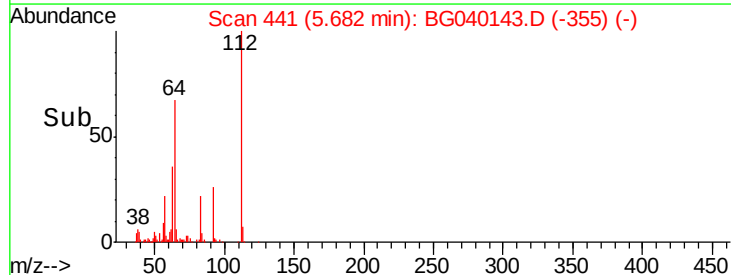
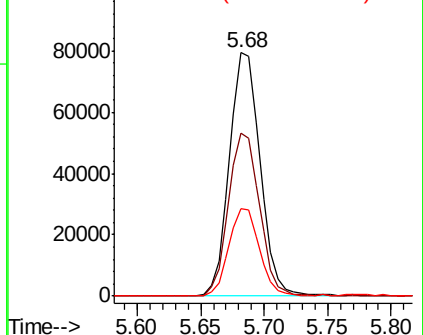


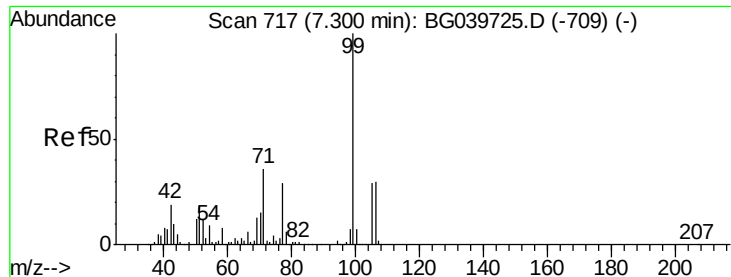
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 39.360 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040143.D

Acq: 26 Mar 2019 9:32

Instrument :

BNA_G

ClientSampled :

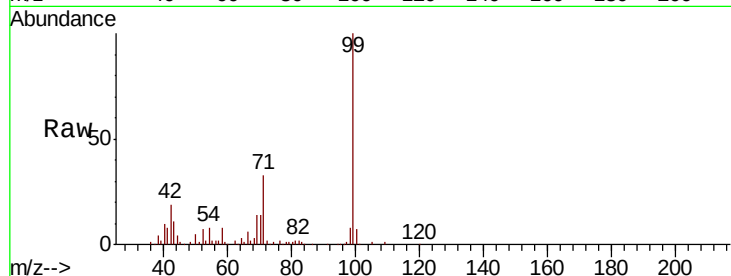
Tot Ion: 99 Resp: 123876

Ion Ratio Lower Upper

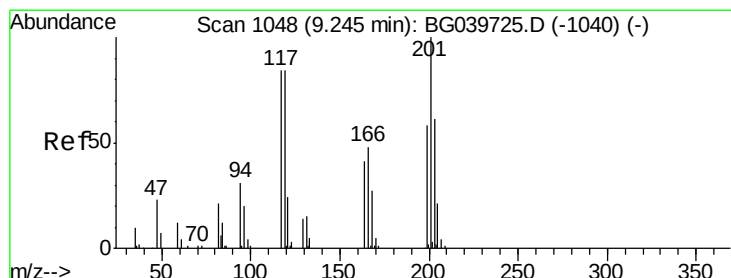
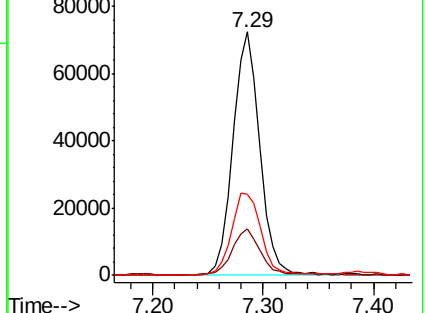
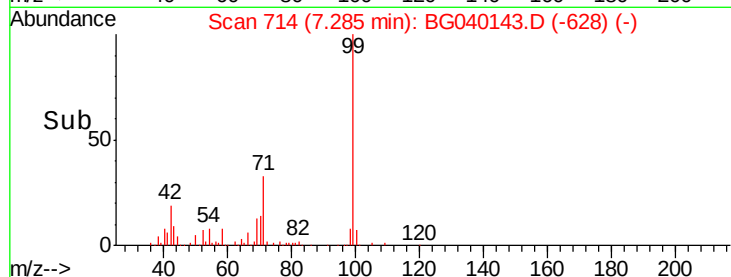
99 100

42 19.2 18.2 27.2

71 33.5 28.0 42.0



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



#18

Hexachloroethane

Concen: 46.201 ng

RT: 9.24 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BG040143.D

Acq: 26 Mar 2019 9:32

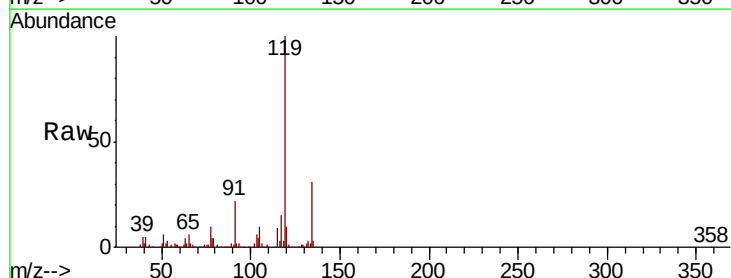
Tgt Ion: 117 Resp: 48904

Ion Ratio Lower Upper

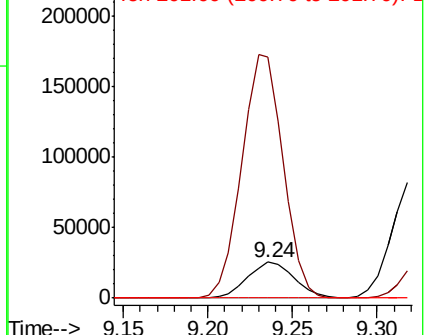
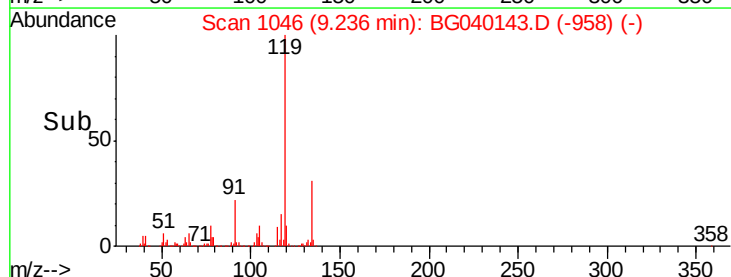
117 100

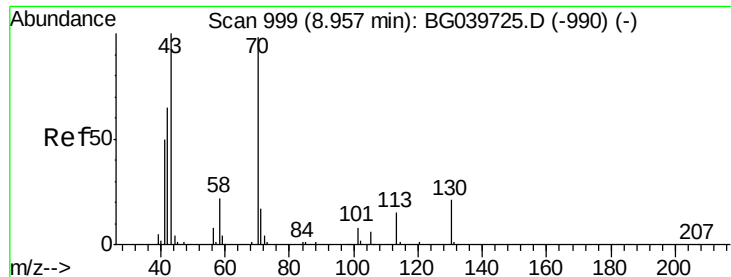
119 671.4 76.3 114.5#

201 0.0 91.1 136.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

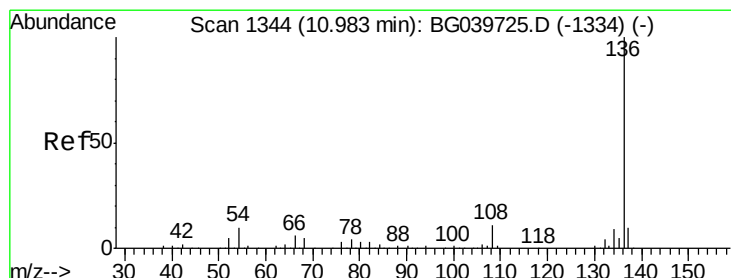
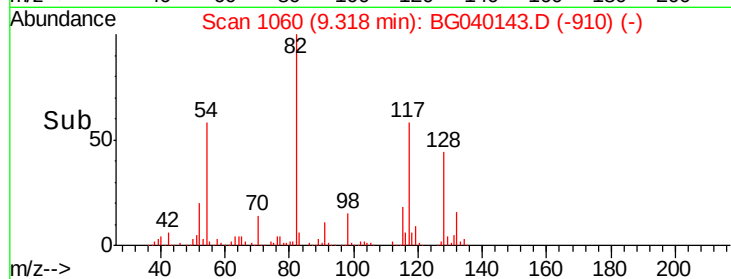
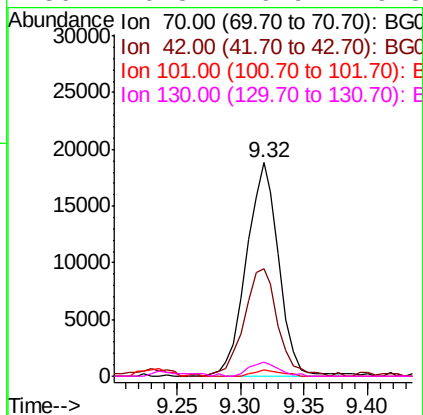
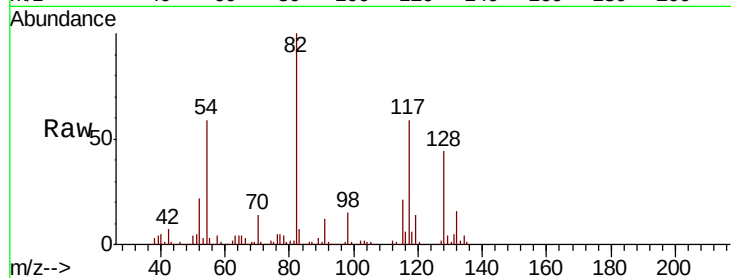




#19
n-Nitroso-di-n-propylamine
Concen: 14.690 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

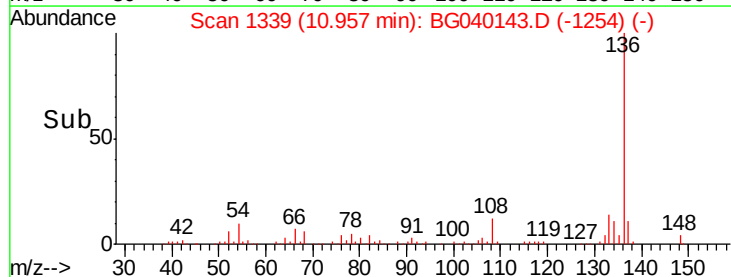
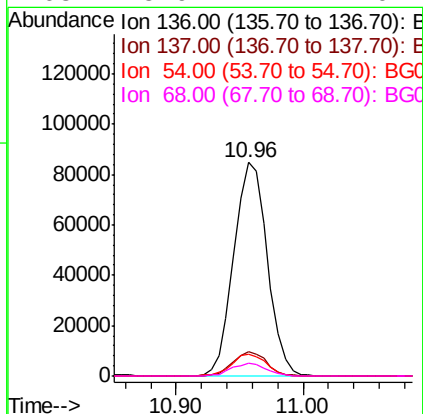
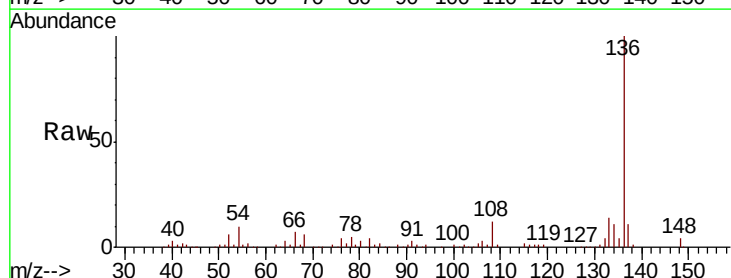
Instrument :
BNA_G
ClientSampled :

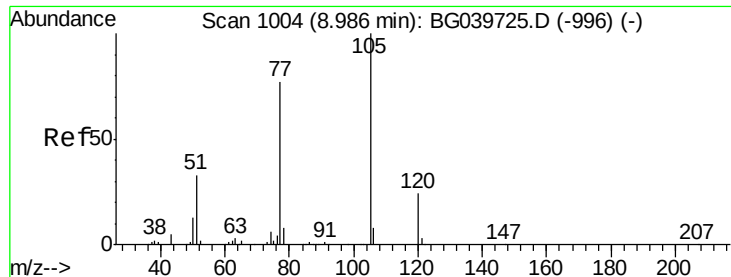
Tot Ion: 70 Resp: 33278
Ion Ratio Lower Upper
70 100
42 50.6 60.4 90.6#
101 3.1 7.5 11.3#
130 6.8 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Tgt Ion: 136 Resp: 155387
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.4 9.4 14.2
68 5.9 4.2 6.4

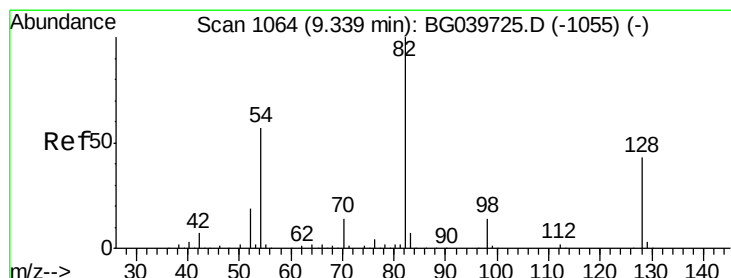
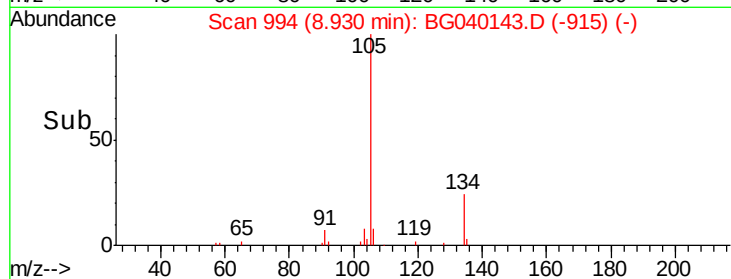
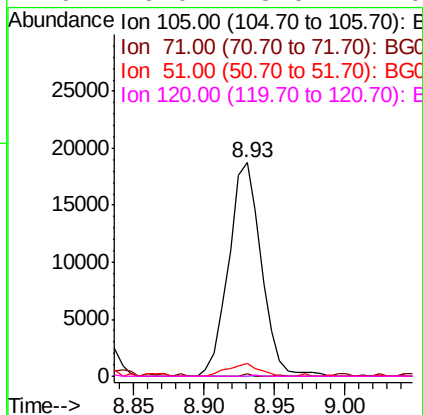
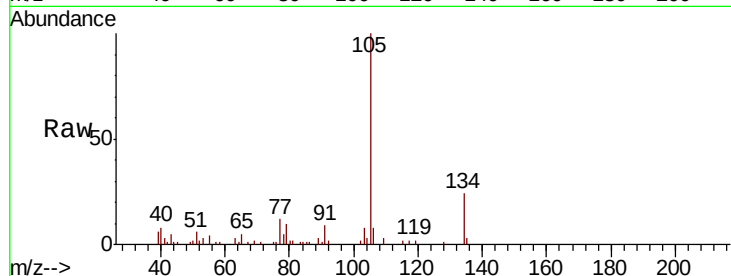




#22
 Acetophenone
 Concen: 7.228 ng
 RT: 8.93 min Scan# 994
 Delta R.T. -0.07 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

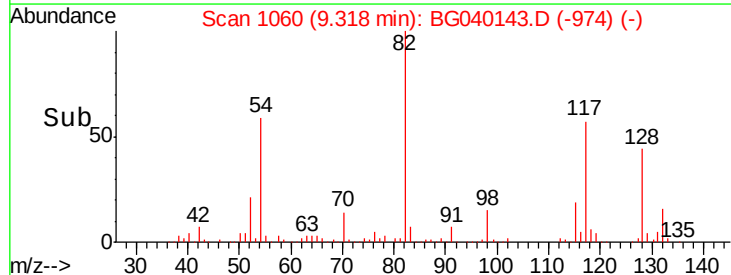
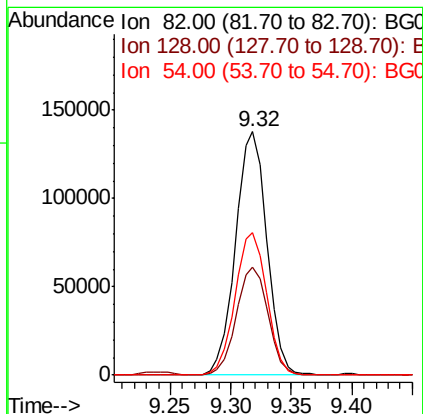
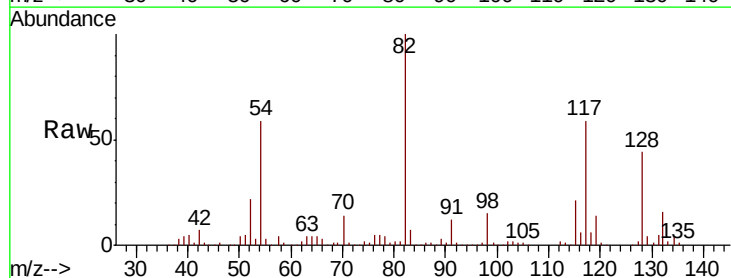
Instrument :
 BNA_G
 ClientSampled :

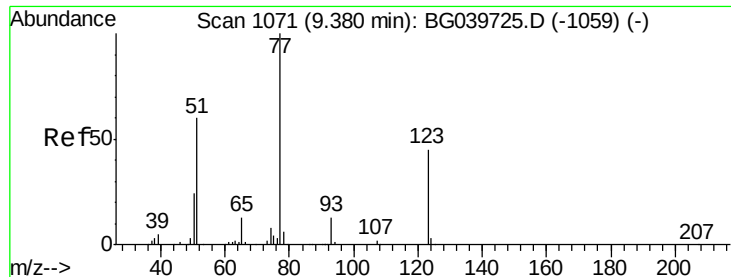
Tot Ion:	105	Resp:	30144
Ion	Ratio	Lower	Upper
105	100		
71	1.1	0.8	1.2
51	6.2	30.2	45.2#
120	0.0	18.0	27.0#



#23
 Nitrobenzene-d5
 Concen: 86.979 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

Tgt Ion:	82	Resp:	249896
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.3	46.9
54	58.7	50.9	76.3

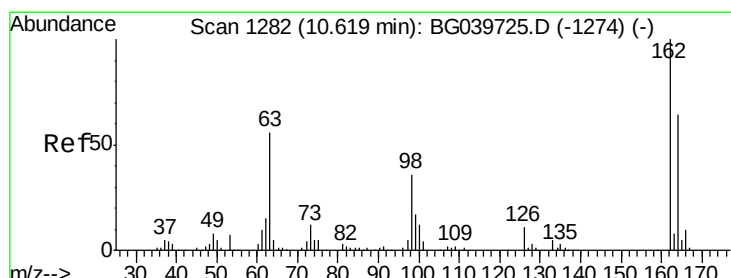
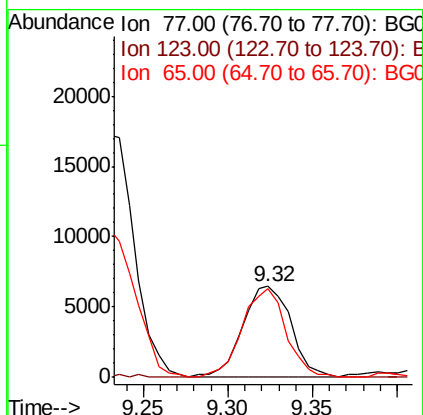
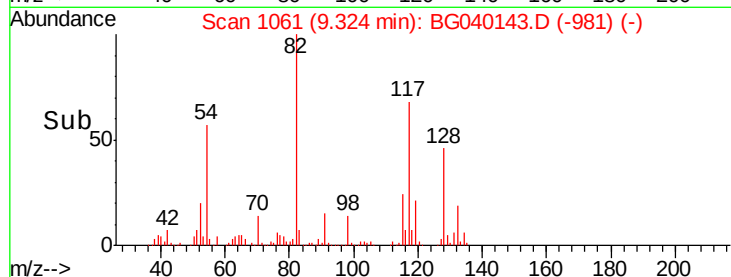
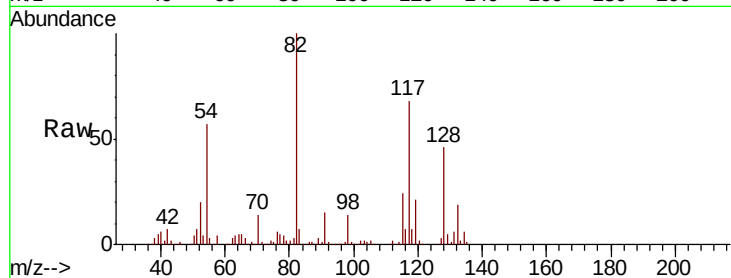




#24
Nitrobenzene
Concen: 4.244 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

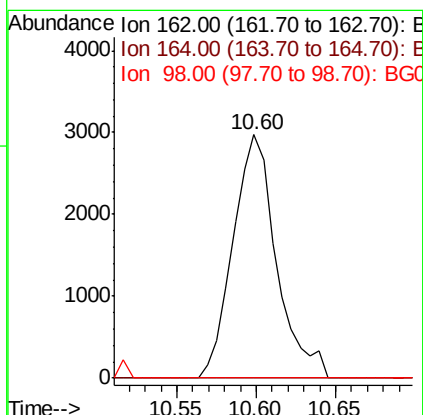
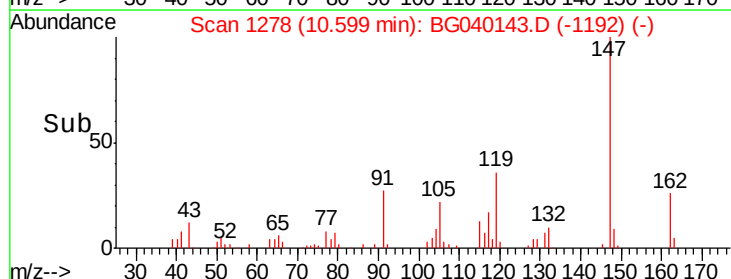
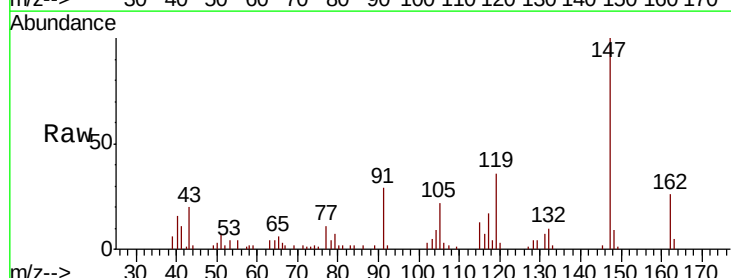
Instrument :
BNA_G
ClientSampled :

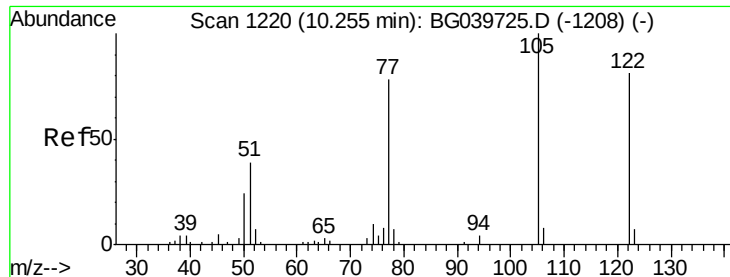
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.1	51.1#
65	97.9	12.3	18.5#



#29
2,4-Dichlorophenol
Concen: 2.216 ng
RT: 10.60 min Scan# 1278
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	48.1	88.1#
98	0.0	18.1	58.1#





#32

Benzoic acid

Concen: 6.635 ng

RT: 10.24 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BG040143.D

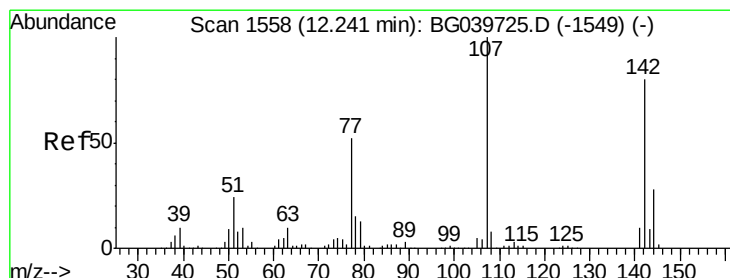
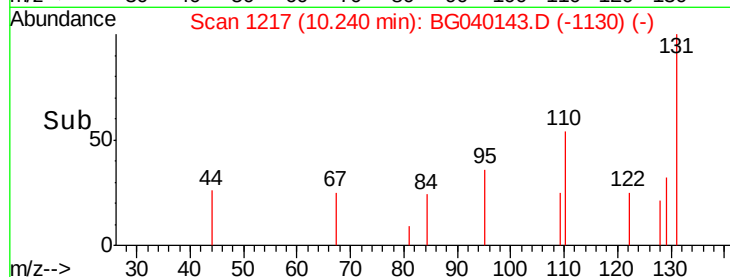
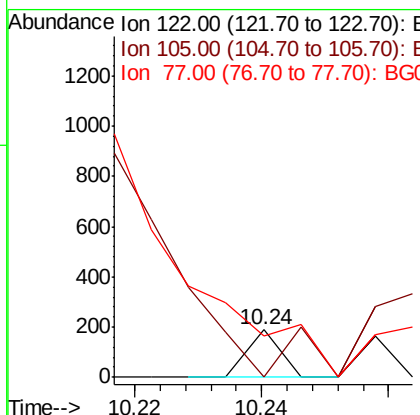
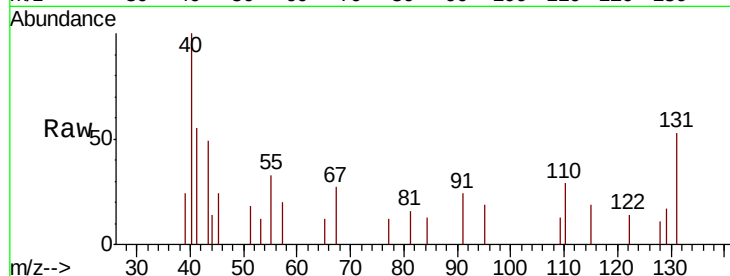
Acq: 26 Mar 2019 9:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	66
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	88.3	76.3	116.3



#36

4-Chloro-3-methylphenol

Concen: 4.714 ng

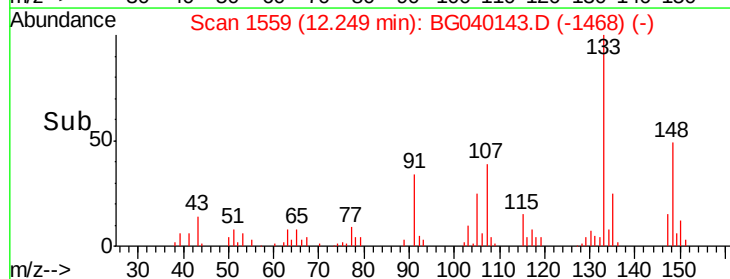
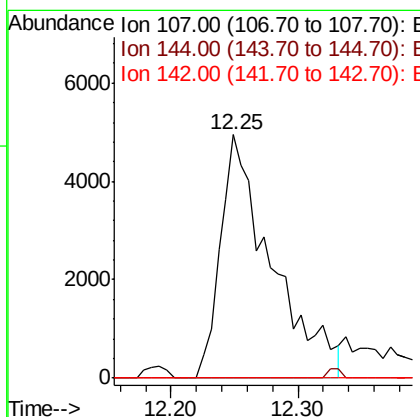
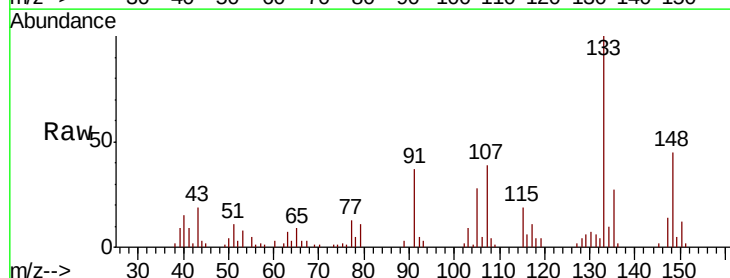
RT: 12.25 min Scan# 1559

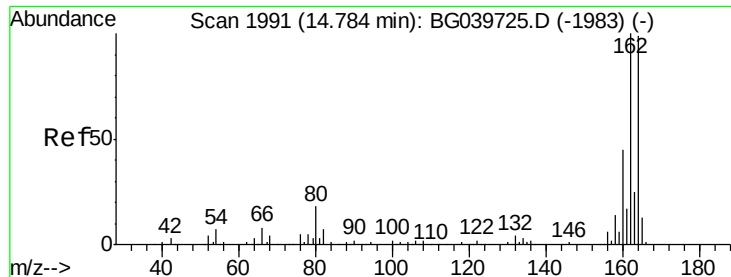
Delta R.T. 0.00 min

Lab File: BG040143.D

Acq: 26 Mar 2019 9:32

Tgt Ion:	107	Resp:	13771
Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.2	30.2#
142	0.0	61.4	92.2#

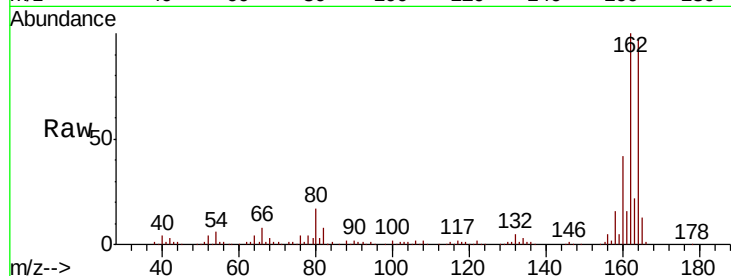




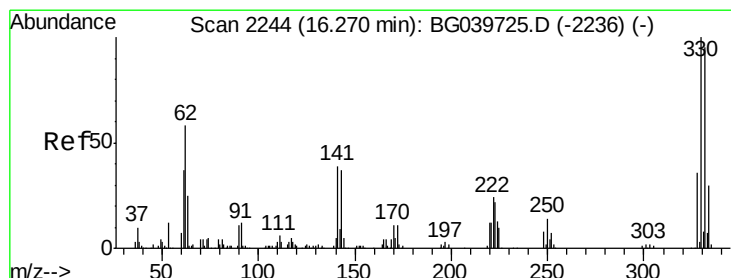
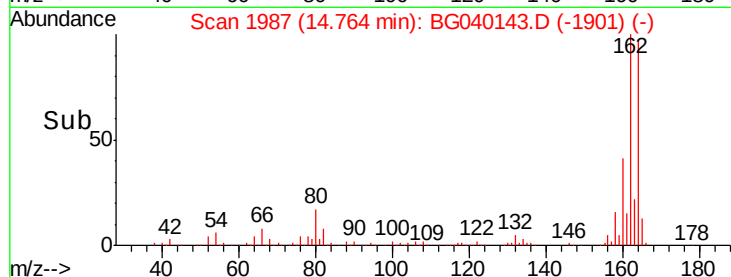
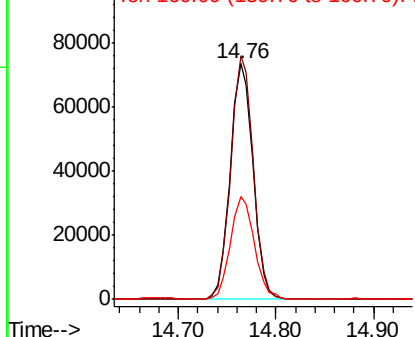
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 118995
Ion Ratio Lower Upper
164 100
162 103.3 81.6 122.4
160 43.4 34.2 51.2

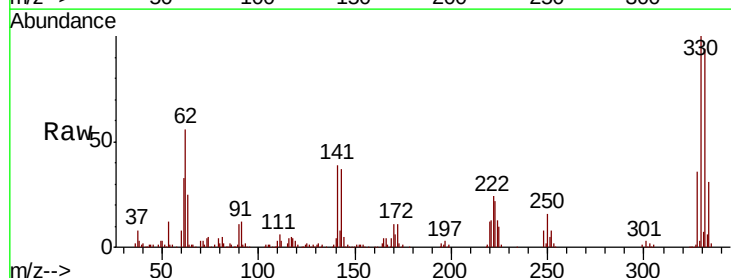


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

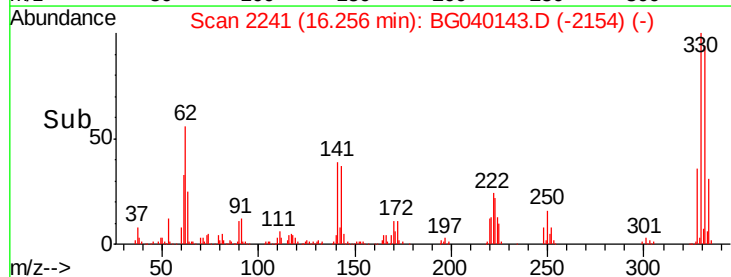
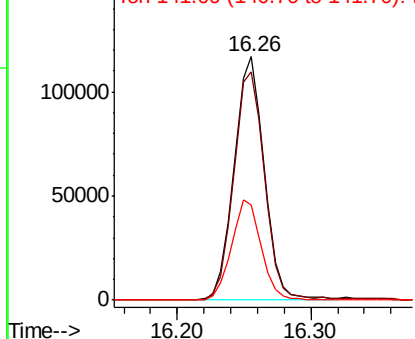


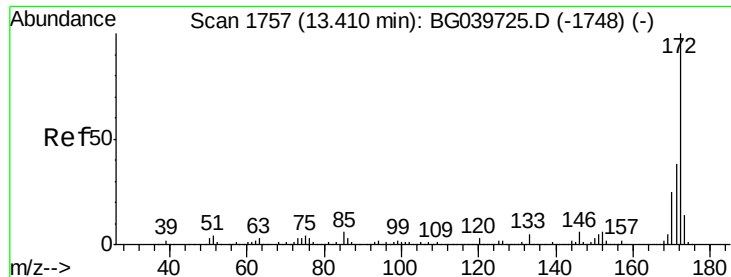
#42
2,4,6-Tribromophenol
Concen: 132.584 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Tgt Ion:330 Resp: 183890
Ion Ratio Lower Upper
330 100
332 95.7 75.7 113.5
141 40.9 35.6 53.4



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

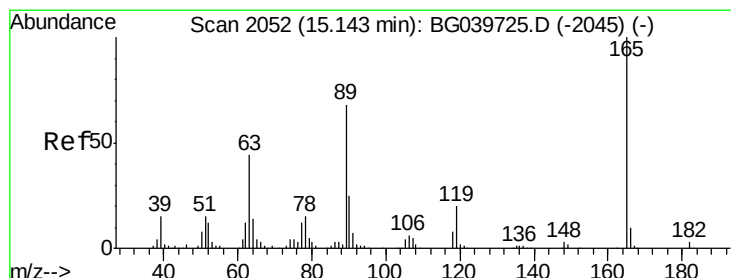
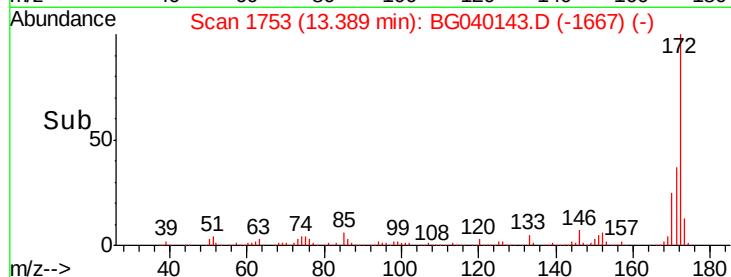
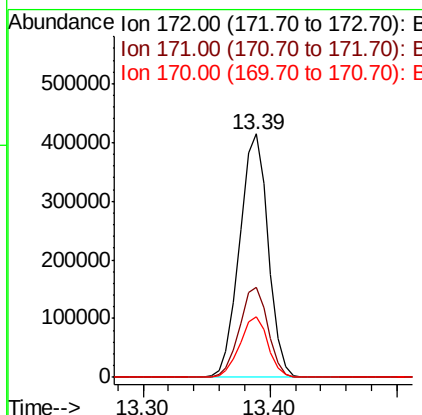
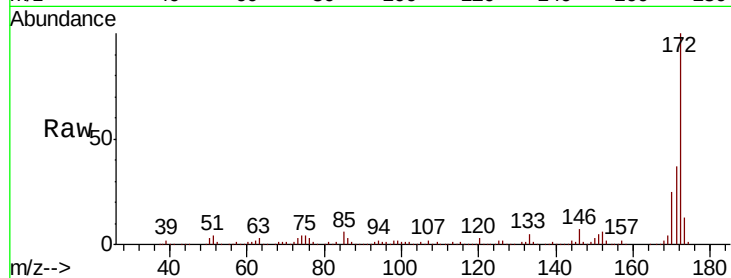




#45
 2-Fluorobiphenyl
 Concen: 77.224 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

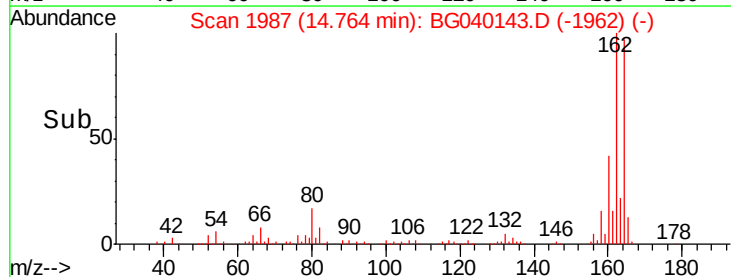
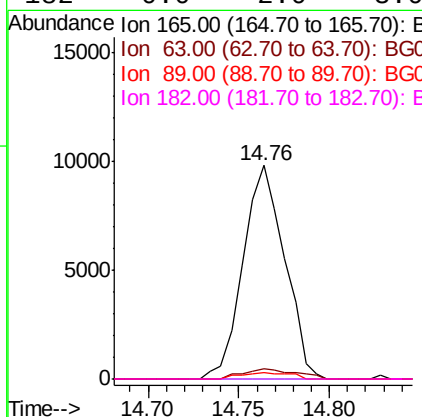
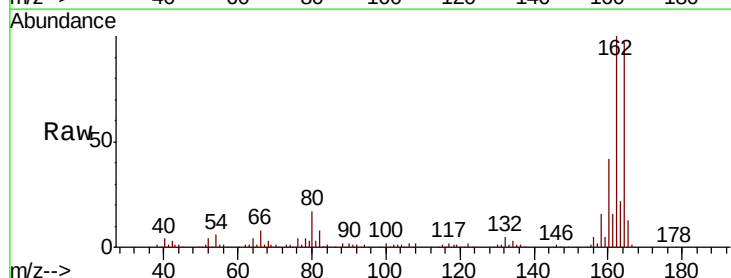
Instrument :
 BNA_G
 ClientSampleId :

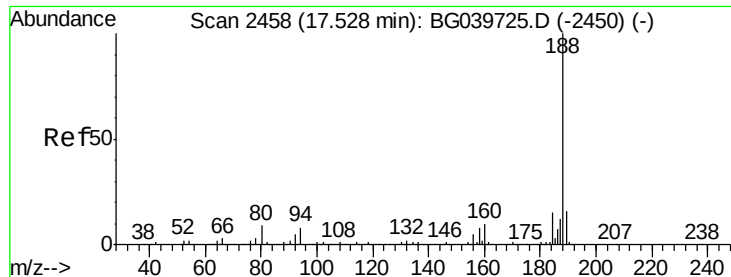
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.7	20.2	30.4



#57
 2,4-Dinitrotoluene
 Concen: 5.269 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.39 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.9	41.0	61.6#
89	3.1	64.6	96.8#
182	0.0	2.0	3.0#

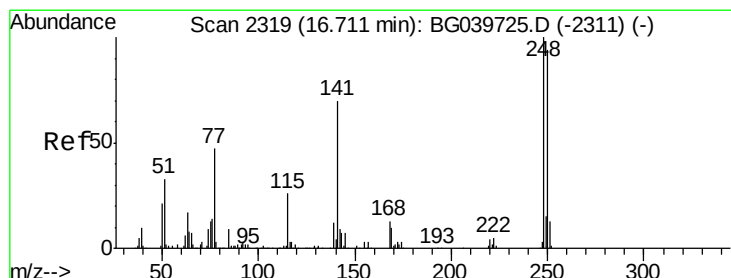
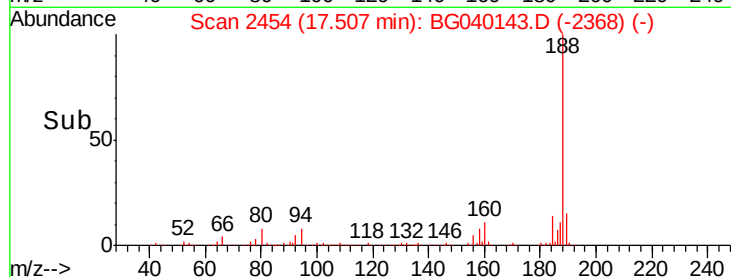
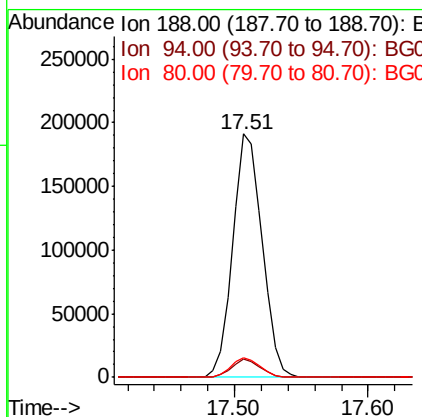
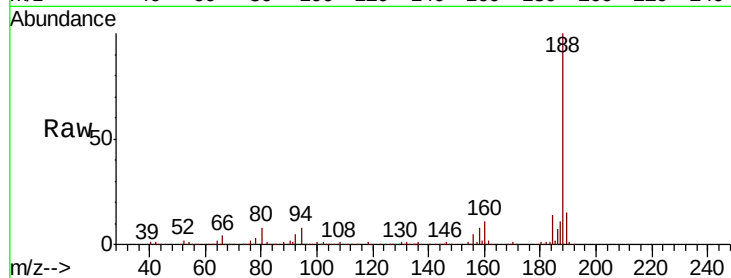




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

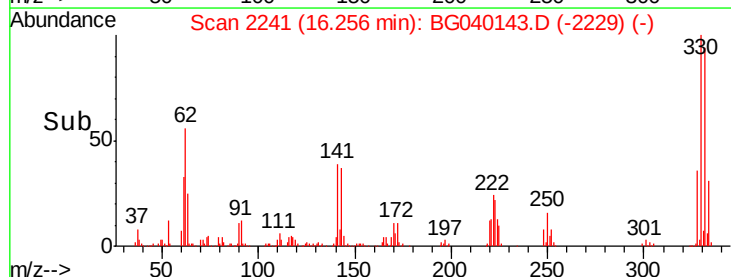
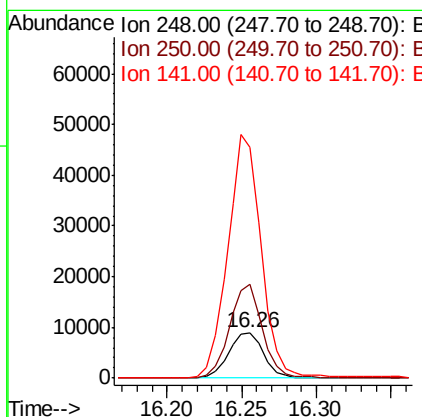
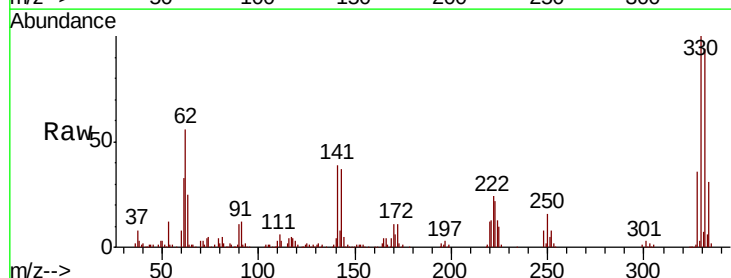
Instrument :
 BNA_G
 ClientSampleId :

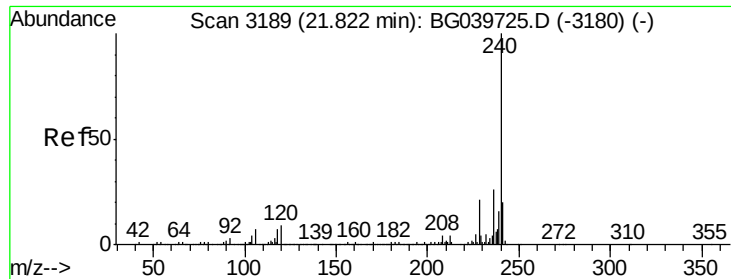
Tot Ion:188 Resp: 292268
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.9 10.3
 80 8.2 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.457 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040143.D
 Acq: 26 Mar 2019 9:32

Tgt Ion:248 Resp: 14580
 Ion Ratio Lower Upper
 248 100
 250 208.2 77.6 116.4#
 141 509.3 63.9 95.9#

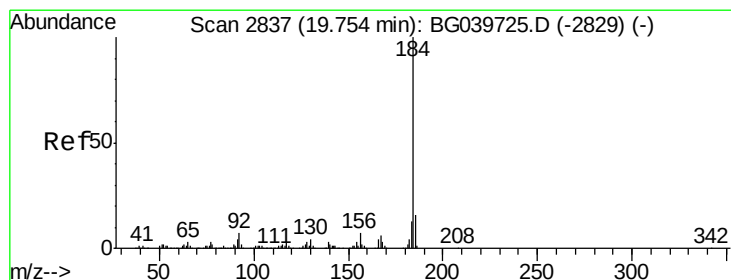
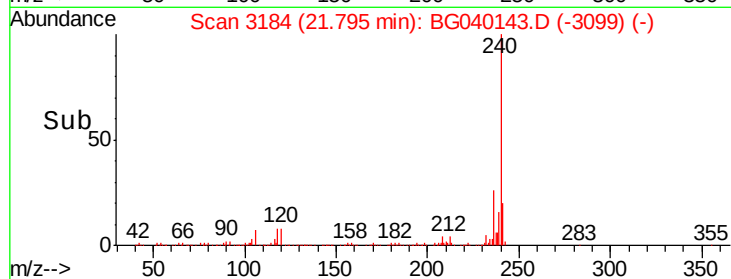
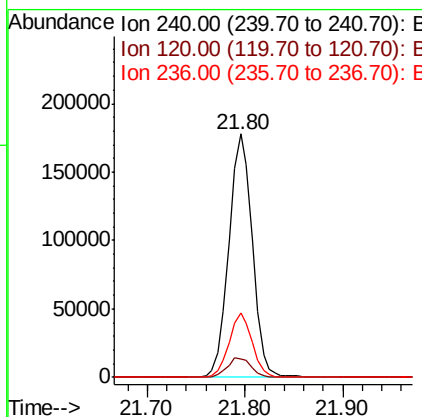
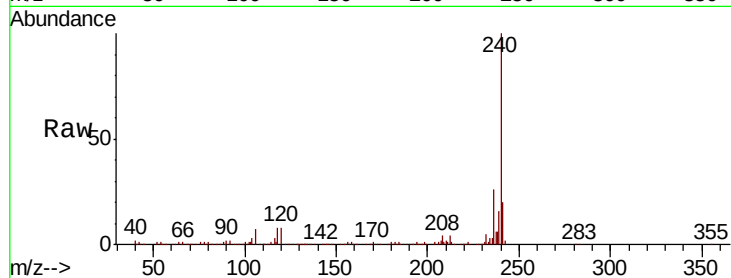




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

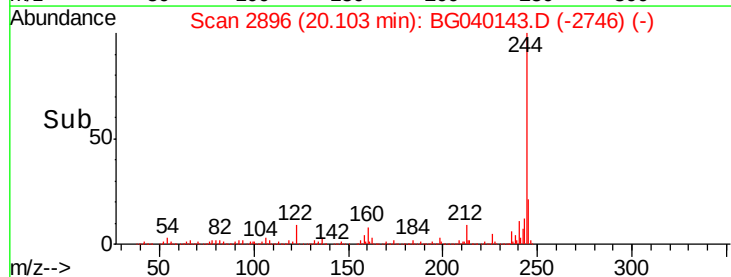
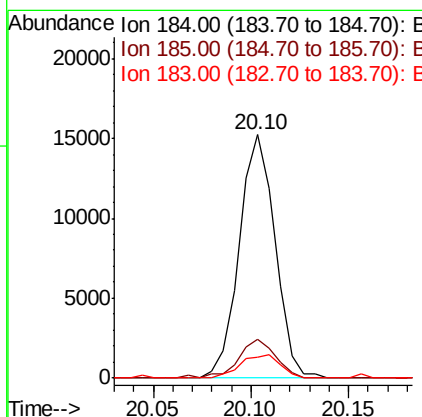
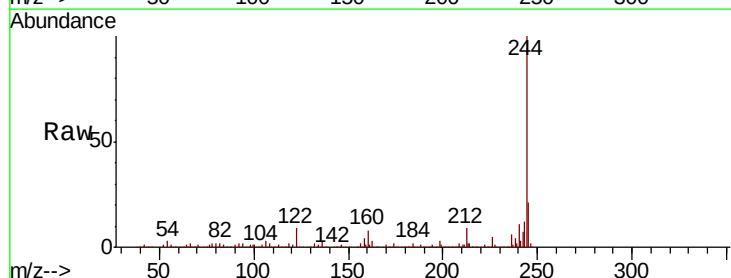
Instrument :
BNA_G
ClientSampleId :

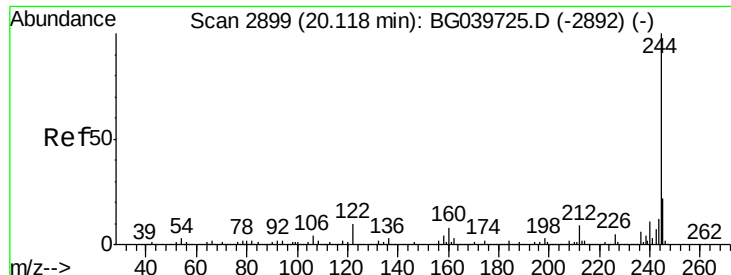
Tot Ion:240 Resp: 296387
Ion Ratio Lower Upper
240 100
120 7.6 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.057 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040143.D
Acq: 26 Mar 2019 9:32

Tgt Ion:184 Resp: 19342
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 8.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 82.325 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040143.D

Acq: 26 Mar 2019 9:32

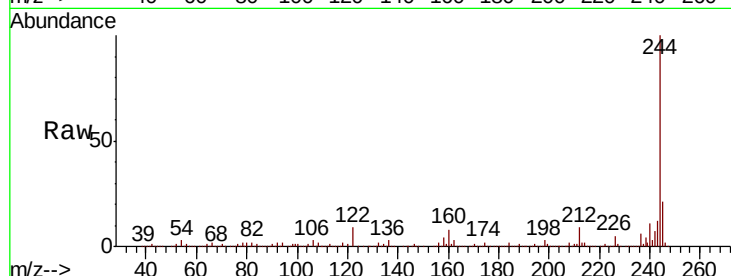
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1108184

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.3	10.9
122	8.9	8.4	12.6

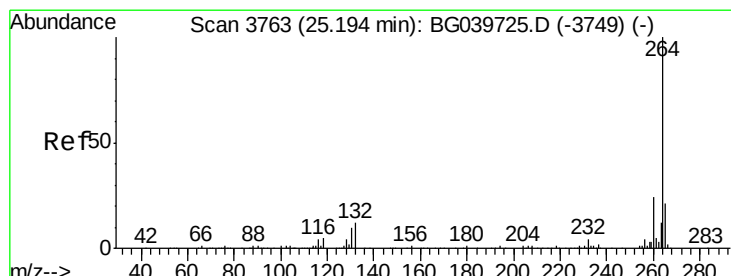
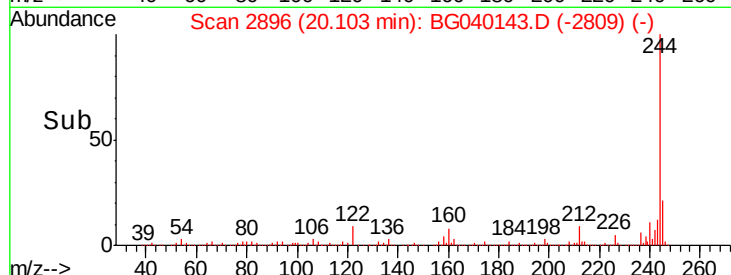
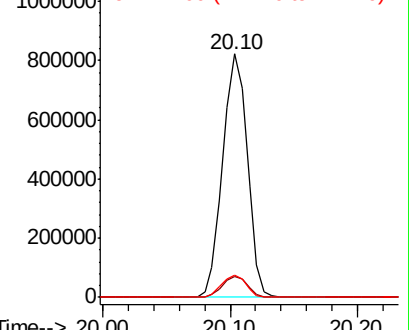


Abundance

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: 25.15 min Scan# 3755

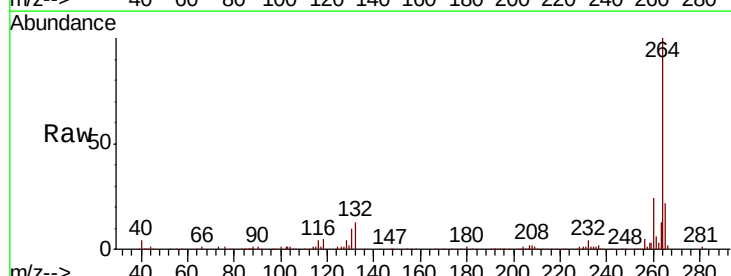
Delta R.T. -0.05 min

Lab File: BG040143.D

Acq: 26 Mar 2019 9:32

Tgt Ion:264 Resp: 302090

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.6	18.5	27.7



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

