

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042818.D
 Acq On : 13 Sep 2019 16:00
 Operator : HP/JU
 Sample : K4596-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S403-K1-2.0-2.5-082819

Quant Time: Sep 13 16:58:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	96121	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	383785	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	251692	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	543306	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	514961	20.00	ng	-0.01
87) Perylene-d12	25.02	264	552970	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	596614	107.91	ng	0.00
7) Phenol-d6	7.27	99	918337	115.72	ng	0.00
23) Nitrobenzene-d5	9.27	82	569829	77.30	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	374385	111.80	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1254154	78.88	ng	-0.01
79) Terphenyl-d14	20.08	244	1771145	76.23	ng	-0.01

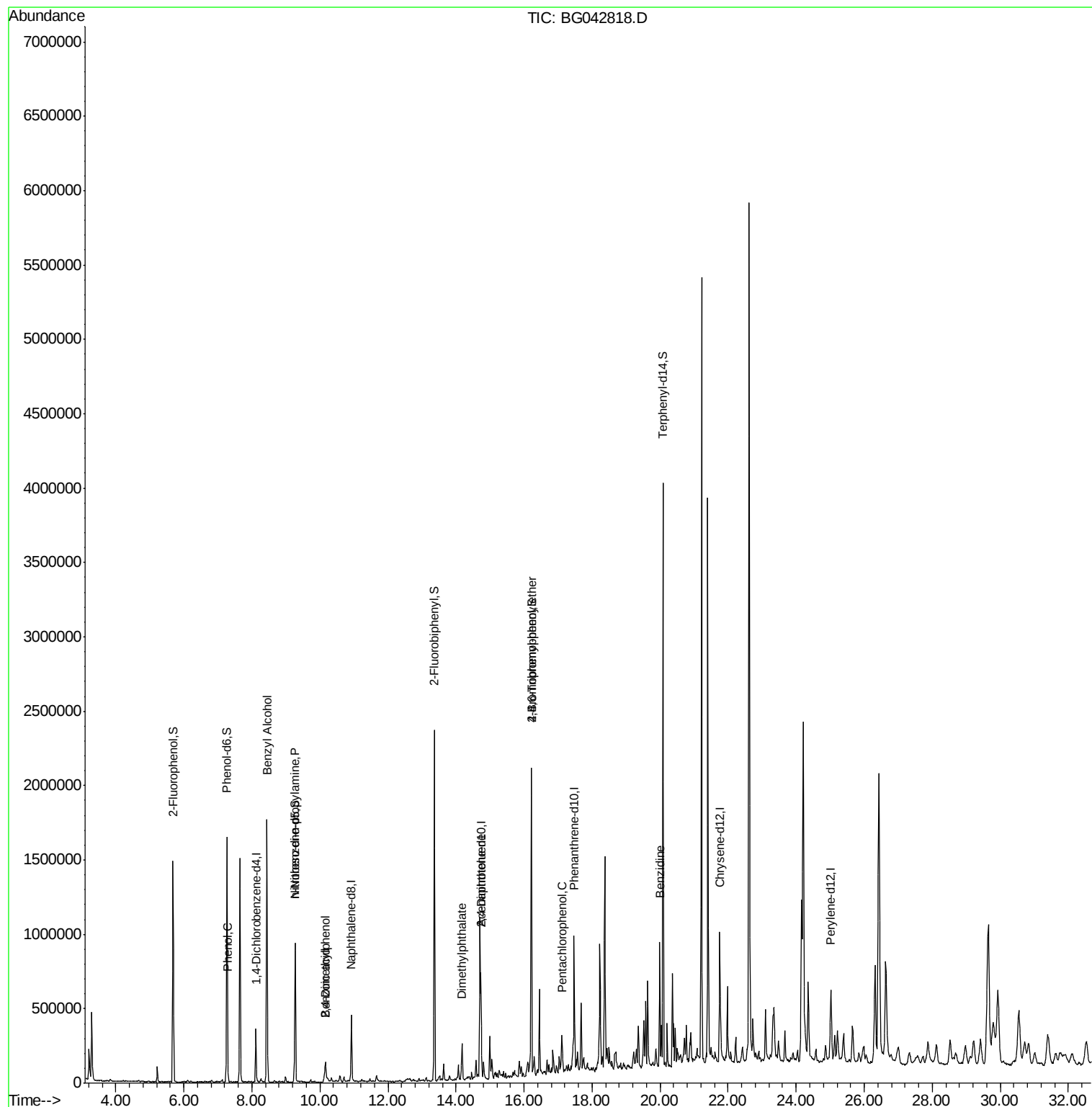
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	44274	5.440	ng	92
15) Benzyl Alcohol	8.44	79	26830	3.940	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	80051	13.690	ng	# 72
27) 2,4-Dimethylphenol	10.16	122	76466	14.207	ng	# 2
32) Benzoic acid	10.16	122	76466	21.347	ng	91
50) Dimethylphthalate	14.18	163	145420	7.713	ng	99
57) 2,4-Dinitrotoluene	14.73	165	34070	6.607	ng	# 24
67) 4-Bromophenyl-phenylether	16.22	248	26890	4.089	ng	# 1
70) Pentachlorophenol	17.12	266	32070	7.694	ng	89
77) Benzidine	19.99	184	37413	2.600	ng	# 87

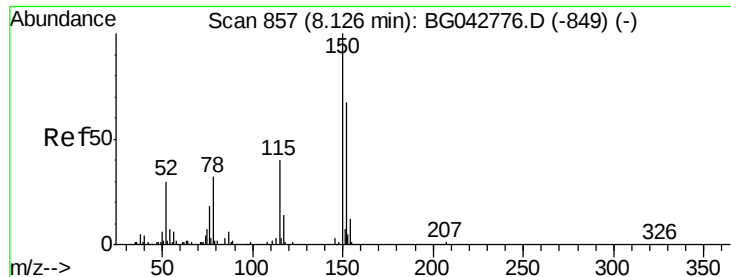
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S403-K1-2.0-2.5-082819

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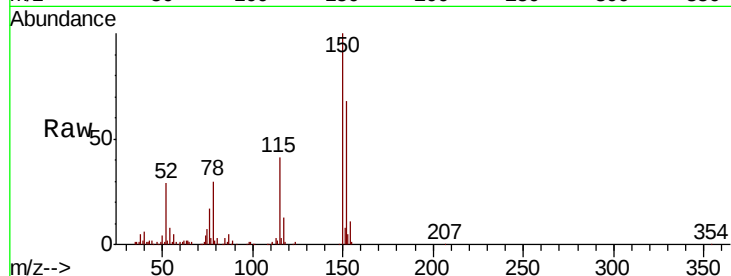


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Instrument :
BNA_F
ClientSampleId :
S403-K1-2.0-2.5-082819

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	118.9	178.3
115	60.7	47.4	71.2

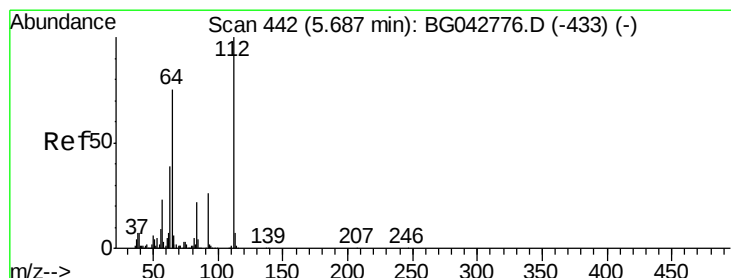
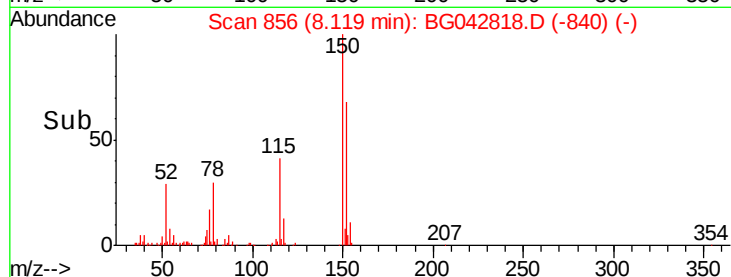
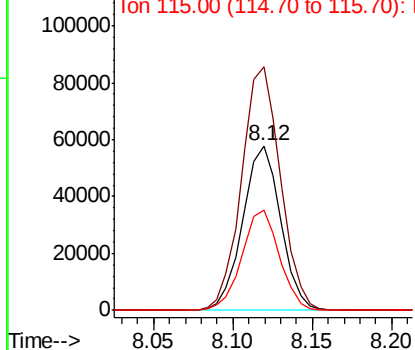


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

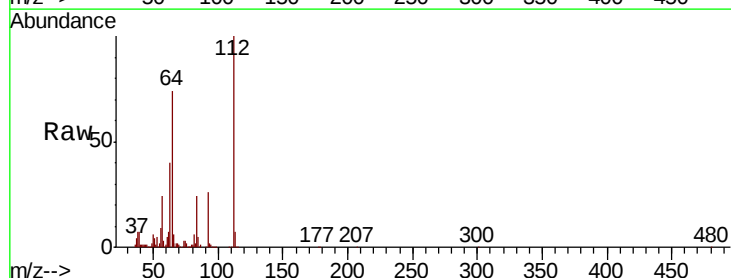
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.910 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	60.2	90.2
63	40.3	31.2	46.8

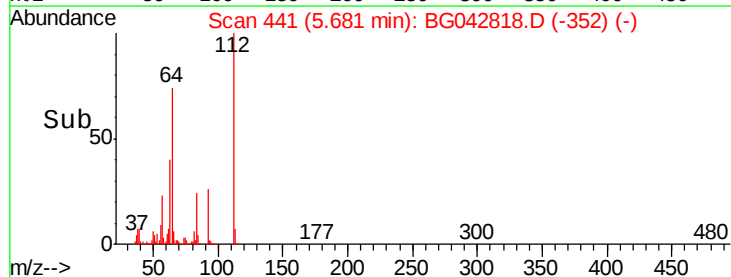
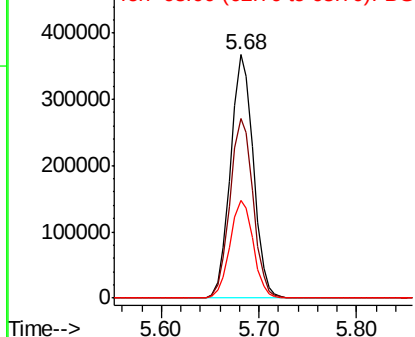


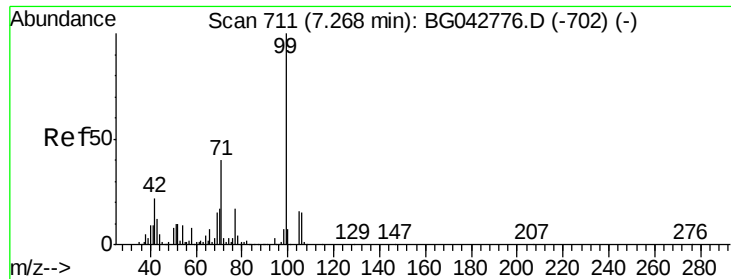
Abundance

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: 115.722 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

Instrument :

BNA_F

ClientSampleId :

S403-K1-2.0-2.5-082819

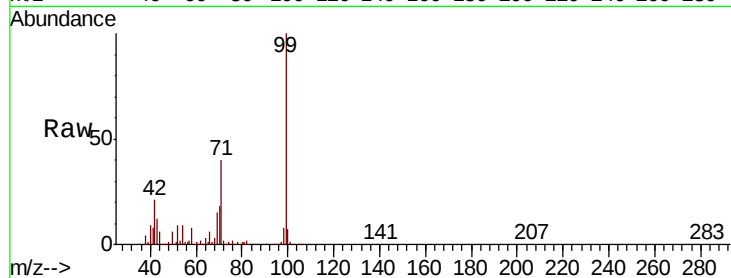
Tot Ion: 99 Resp: 918337

Ion Ratio Lower Upper

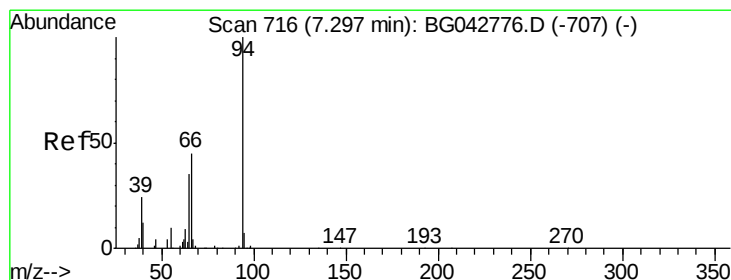
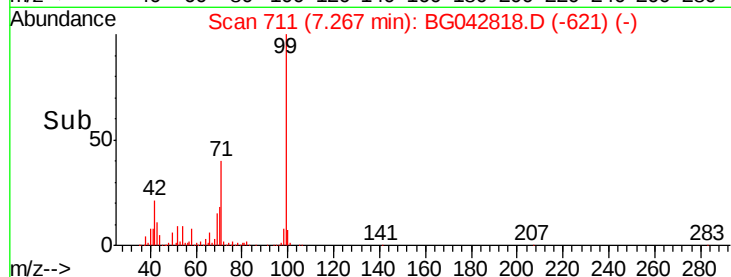
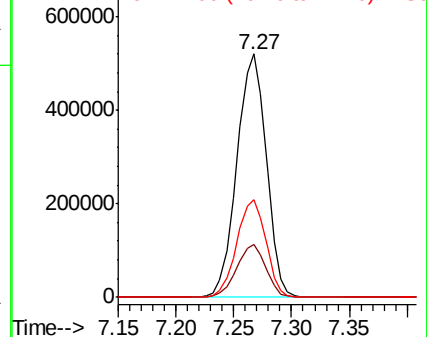
99 100

42 21.5 17.5 26.3

71 39.9 32.0 48.0



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



#10

Phenol

Concen: 5.440 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

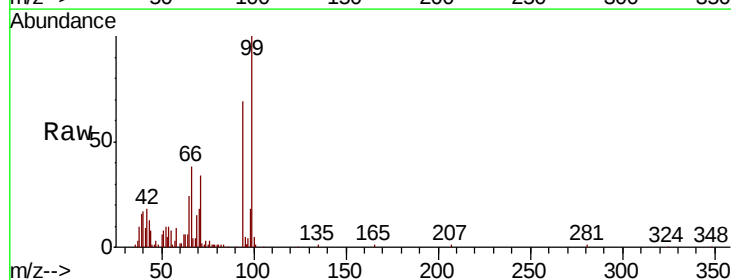
Tgt Ion: 94 Resp: 44274

Ion Ratio Lower Upper

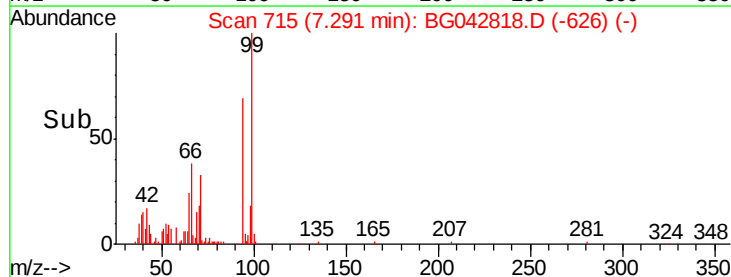
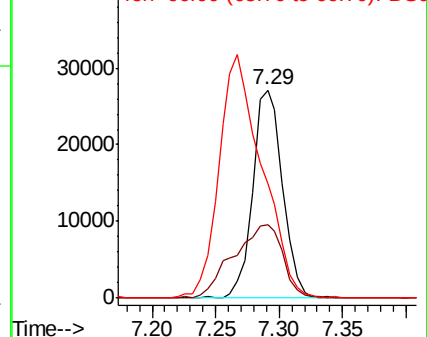
94 100

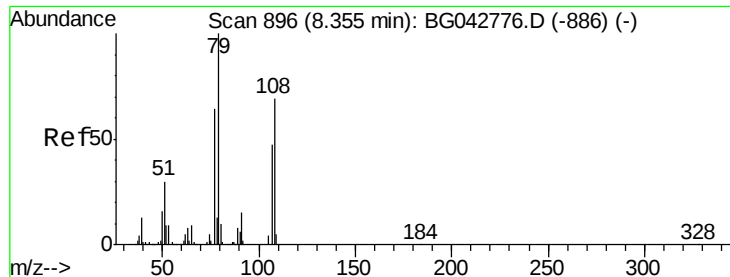
65 35.1 15.0 55.0

66 54.9 26.1 66.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 3.940 ng

RT: 8.44 min Scan# 910

Delta R.T. 0.08 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

Instrument :

BNA_F

ClientSampleId :

S403-K1-2.0-2.5-082819

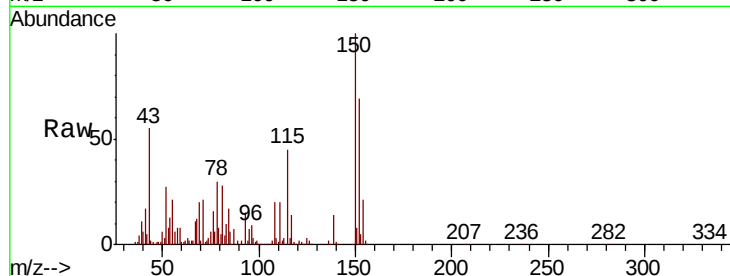
Tot Ion: 79 Resp: 26830

Ion Ratio Lower Upper

79 100

108 263.5 54.9 82.3#

77 81.0 51.0 76.6#

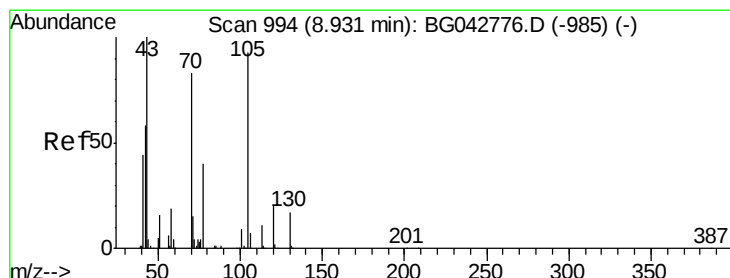
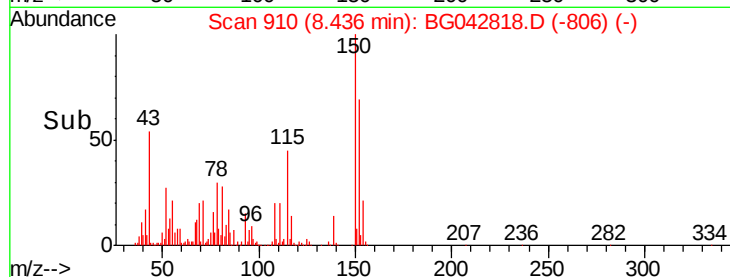
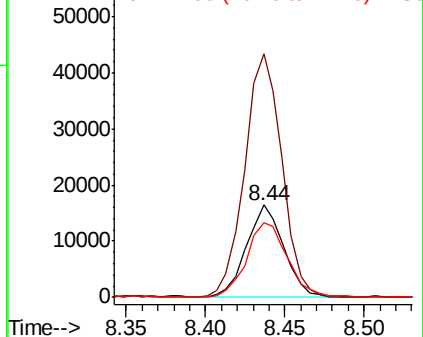


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.690 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

Tgt Ion: 70 Resp: 80051

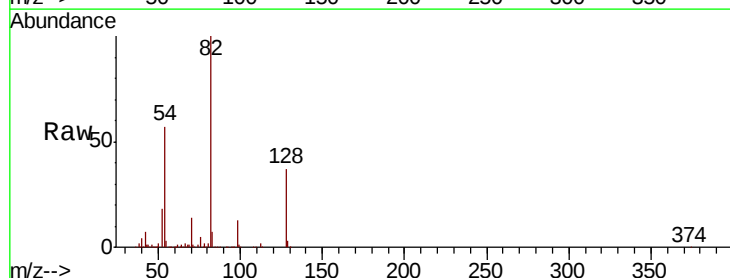
Ion Ratio Lower Upper

70 100

42 50.3 57.0 85.6#

101 0.0 8.4 12.6#

130 2.2 16.1 24.1#



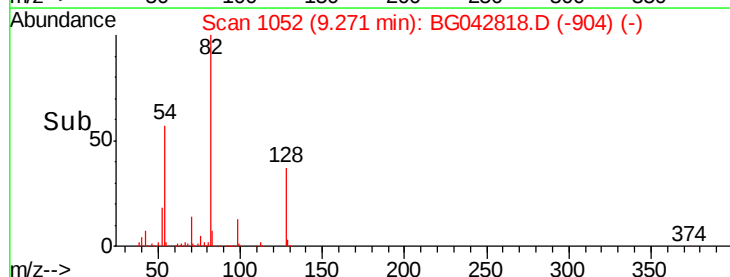
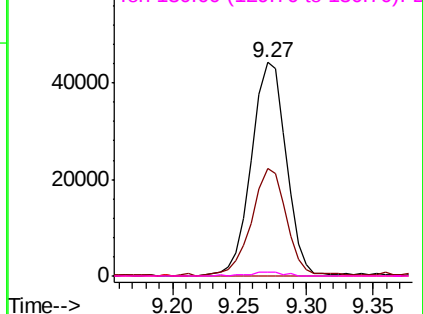
Abundance

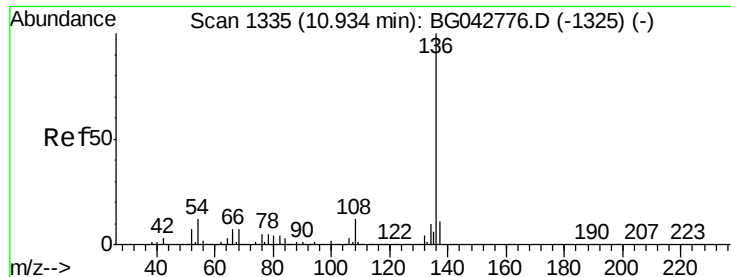
Ion 70.00 (69.70 to 70.70): BGC

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

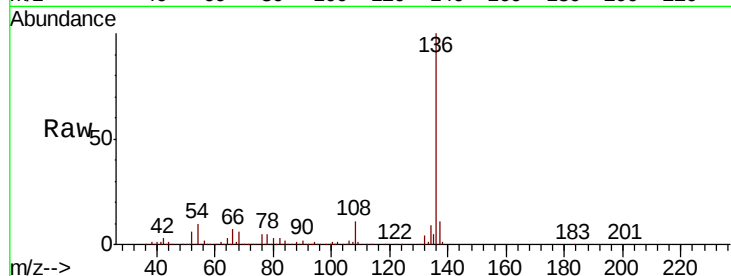




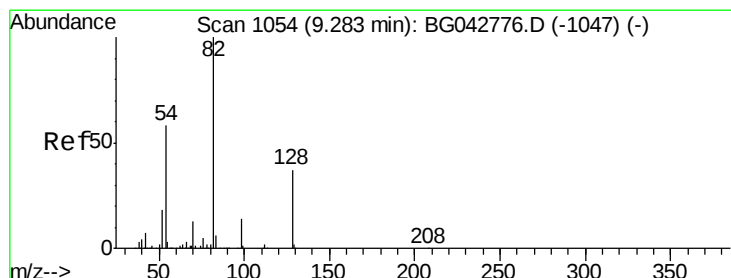
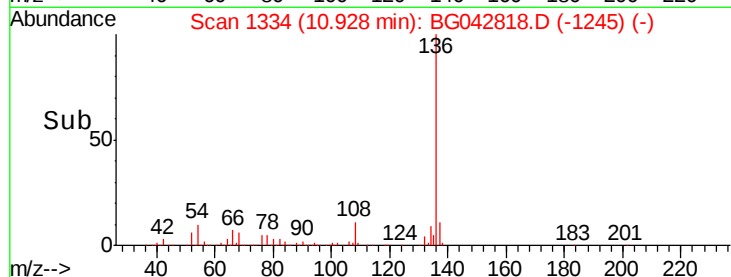
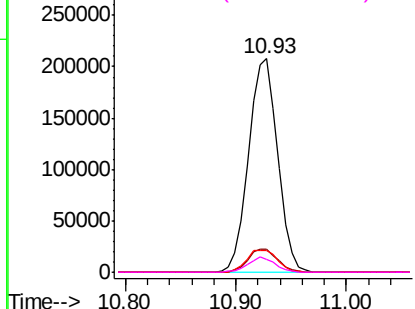
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Instrument :
BNA_F
ClientSampleId :
S403-K1-2.0-2.5-082819

Tot Ion:136	Resp:	383785
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	10.5	9.4 14.0
68	6.3	5.4 8.2

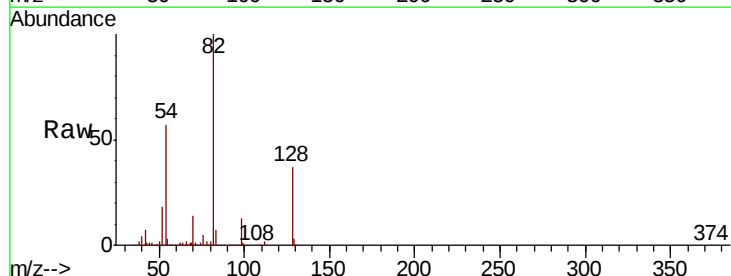


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

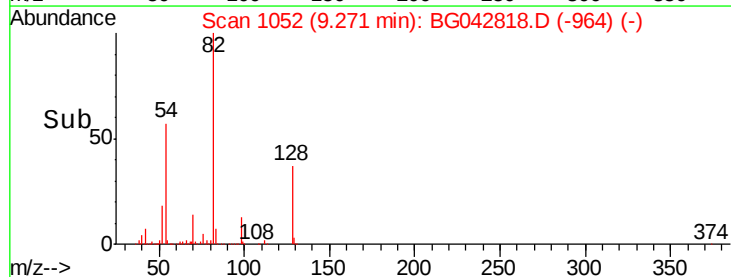
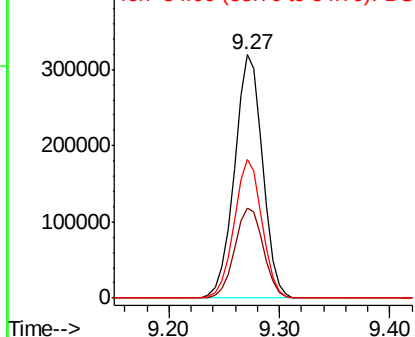


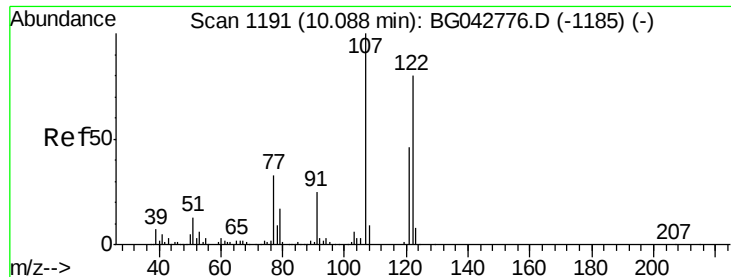
#23
Nitrobenzene-d5
Concen: 77.300 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion: 82	Resp:	569829
Ion Ratio	Lower	Upper
82	100	
128	37.0	29.8 44.8
54	57.2	46.1 69.1



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

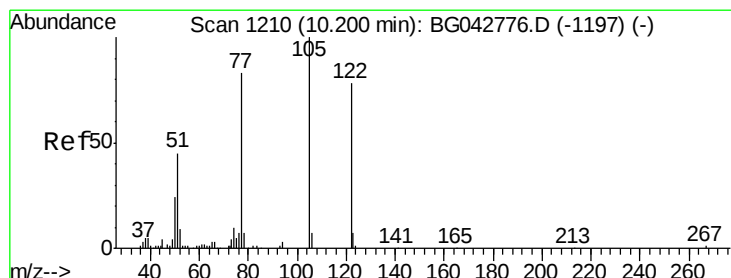
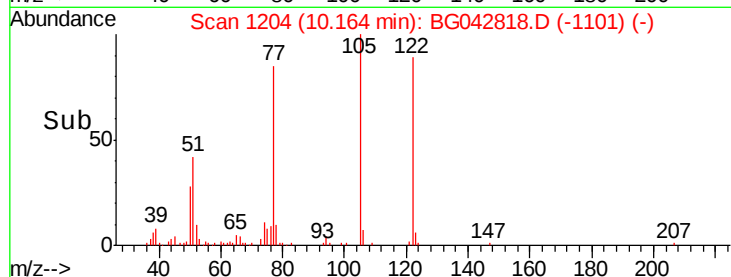
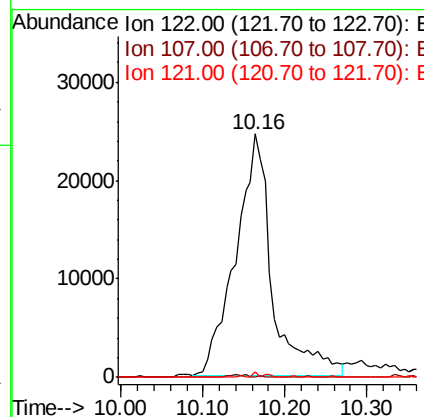
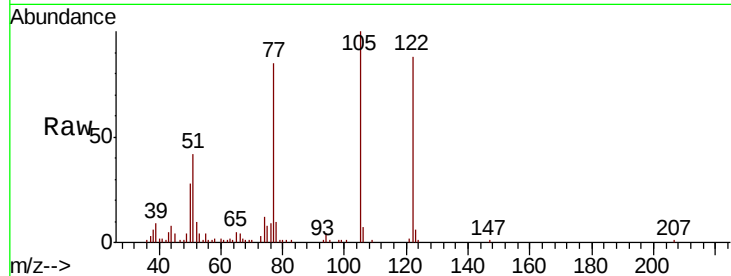




#27
2,4-Dimethylphenol
Concen: 14.207 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.08 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

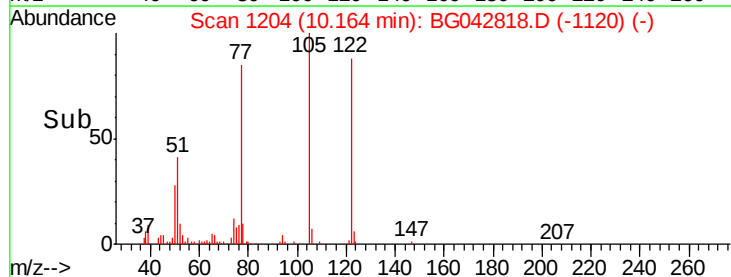
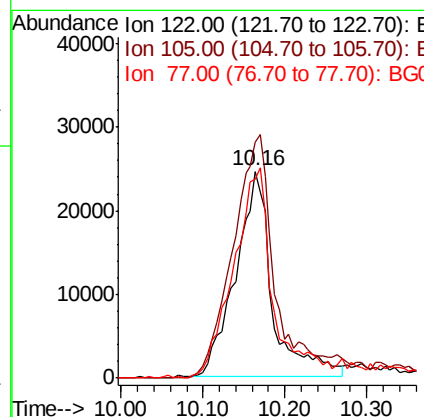
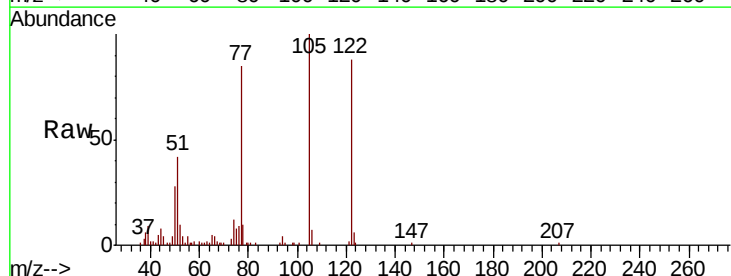
Instrument :
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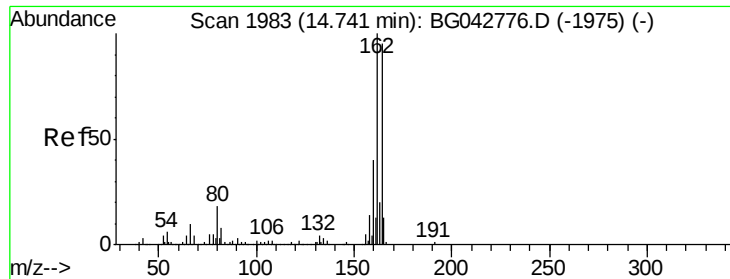
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	98.9	148.3#
121	2.2	46.2	69.2#



#32
Benzoic acid
Concen: 21.347 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.6	104.0	144.0
77	96.2	84.2	124.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

Instrument :

BNA_F

ClientSampleId :

S403-K1-2.0-2.5-082819

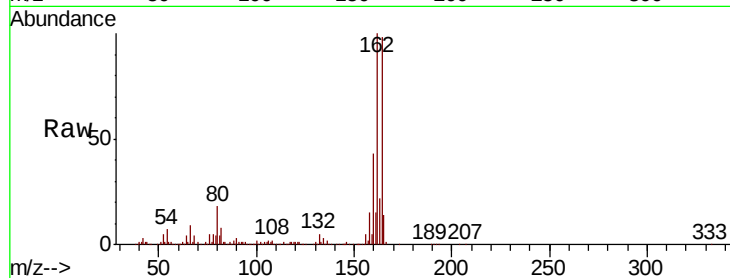
Tot Ion:164 Resp: 251692

Ion Ratio Lower Upper

164 100

162 101.9 84.6 126.8

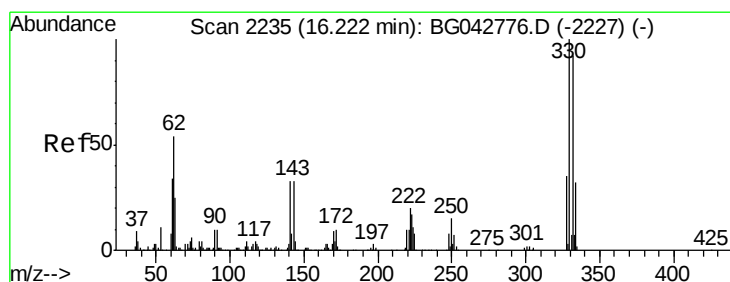
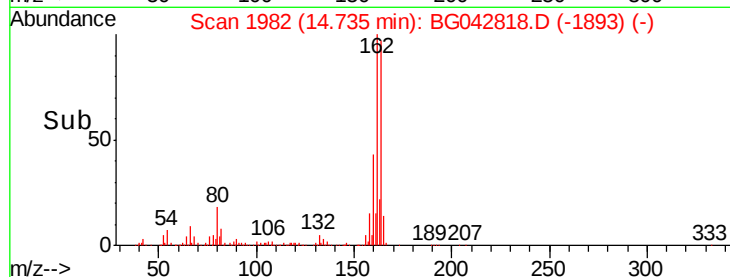
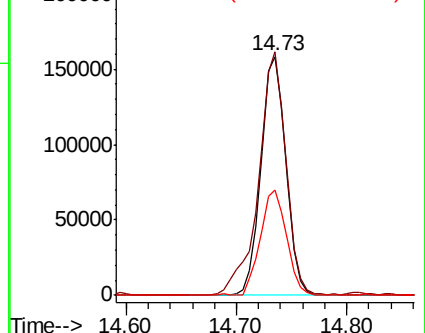
160 44.0 34.2 51.2



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: 111.805 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

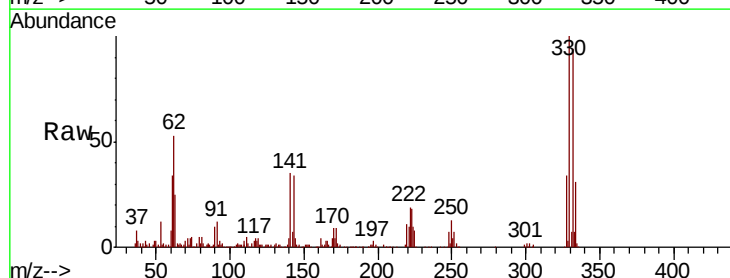
Tgt Ion:330 Resp: 374385

Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

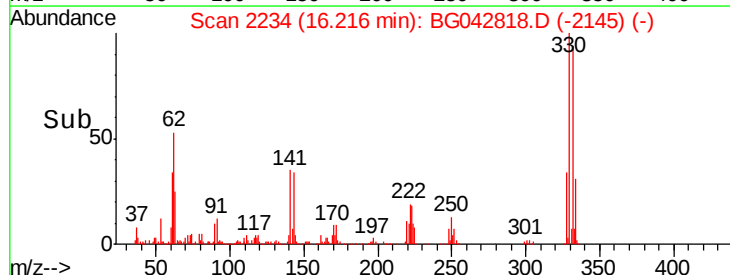
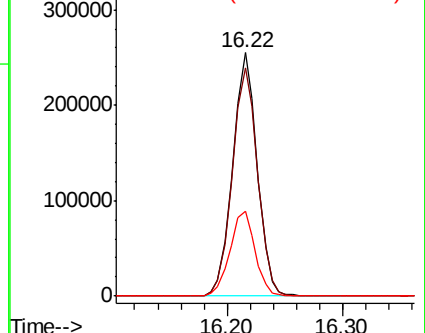
141 35.6 27.0 40.6

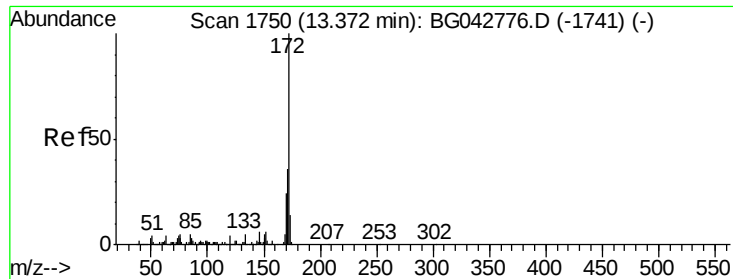


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

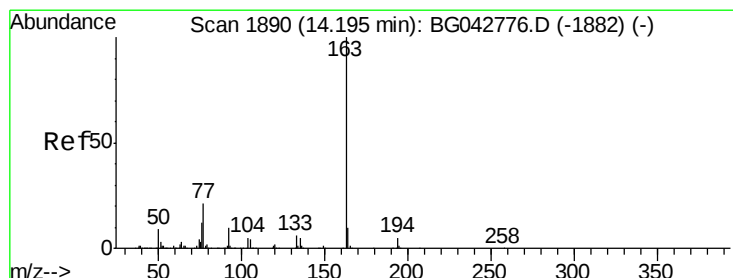
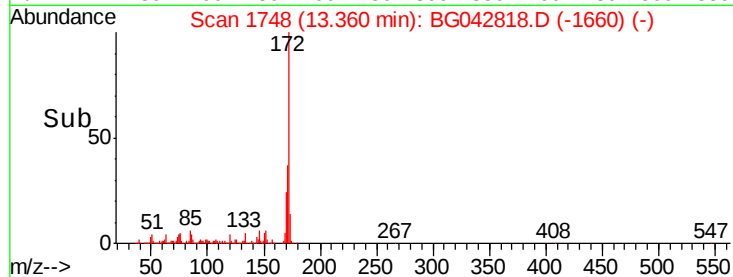
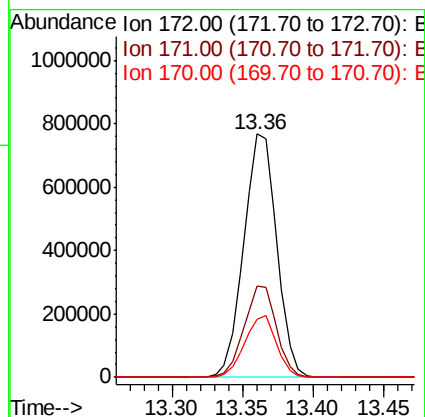
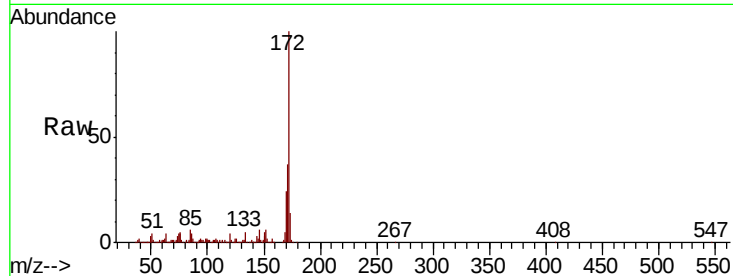




#45
2-Fluorobiphenyl
Concen: 78.876 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

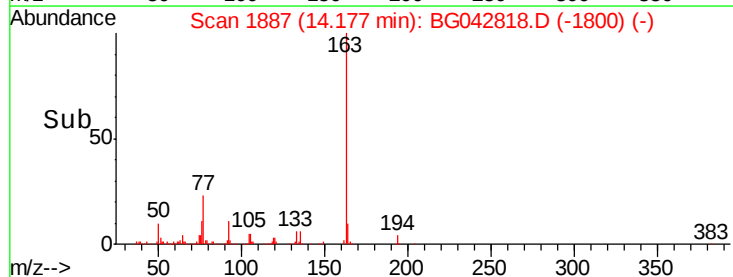
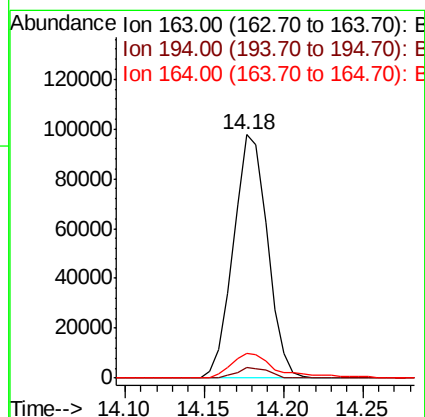
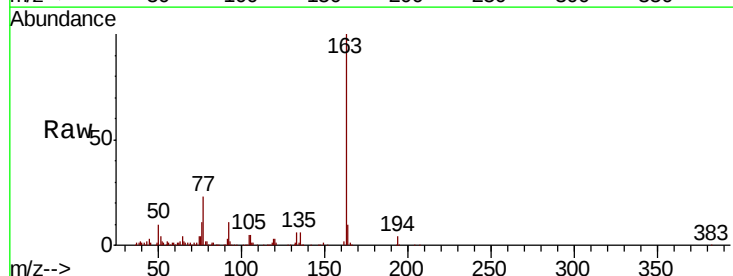
Instrument :
BNA_F
ClientSampleId :
S403-K1-2.0-2.5-082819

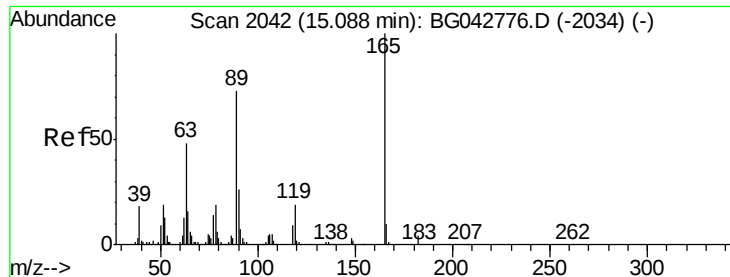
Tot Ion:172 Resp: 1254154
Ion Ratio Lower Upper
172 100
171 37.3 28.9 43.3
170 23.6 19.1 28.7



#50
Dimethylphthalate
Concen: 7.713 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion:163 Resp: 145420
Ion Ratio Lower Upper
163 100
194 4.3 4.2 6.4
164 10.4 8.4 12.6

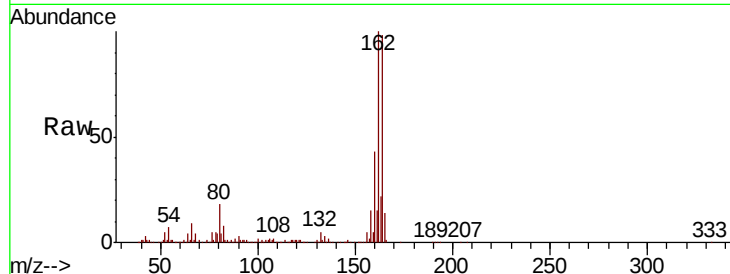




#57
 2,4-Dinitrotoluene
 Concen: 6.607 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042818.D
 Acq: 13 Sep 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 S403-K1-2.0-2.5-082819

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	38.3	57.5#
89	2.5	58.4	87.6#
182	0.0	2.9	4.3#

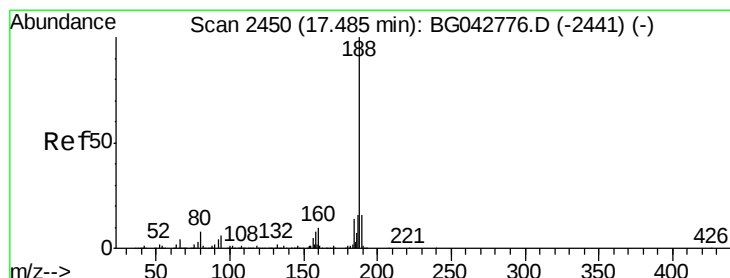
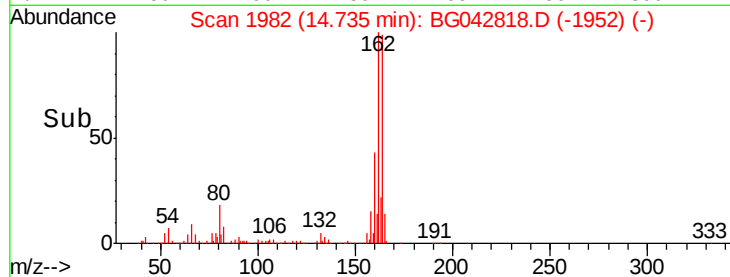
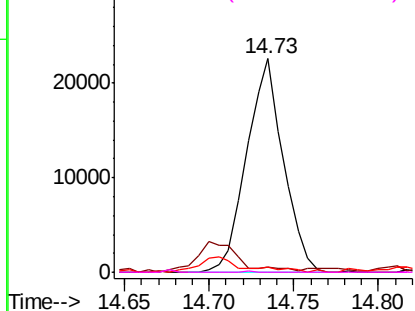


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

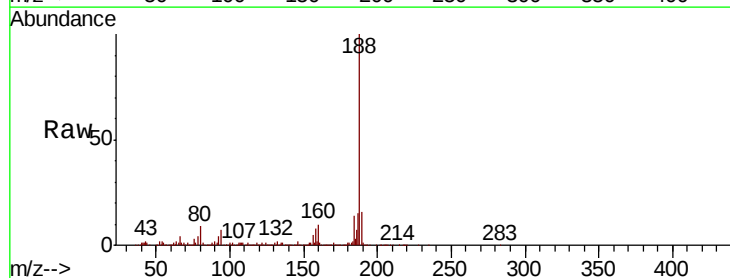
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BG042818.D
 Acq: 13 Sep 2019 16:00

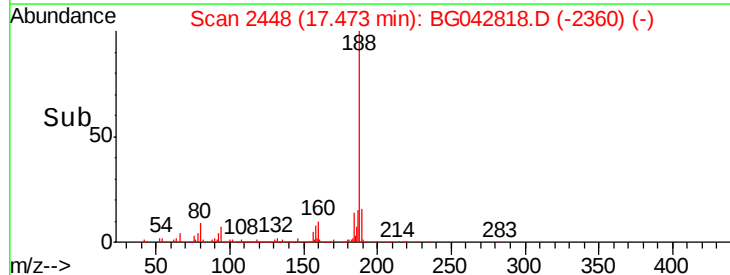
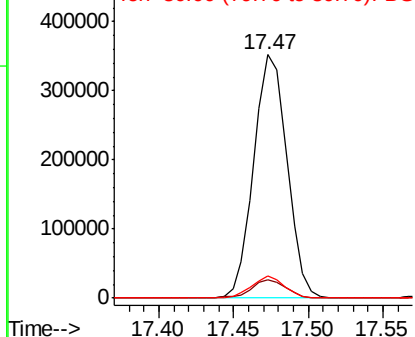
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	4.8	7.2#
80	9.2	6.6	9.8

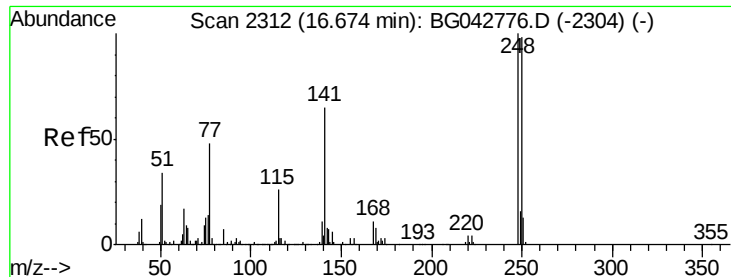


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

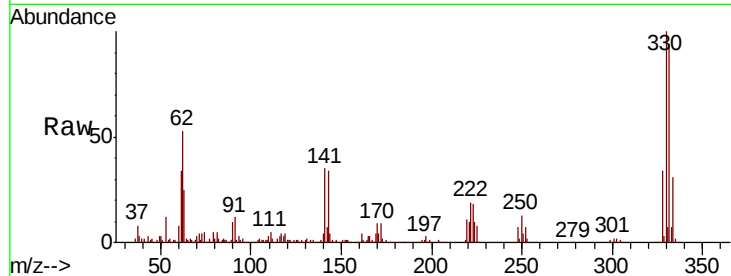




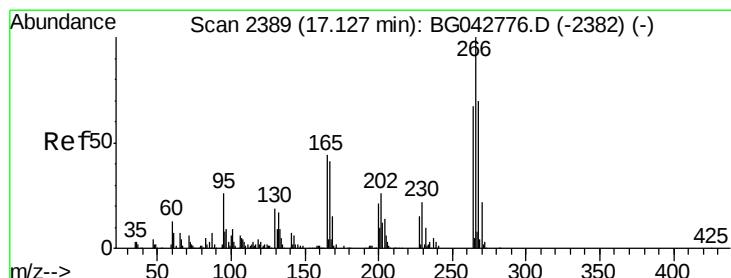
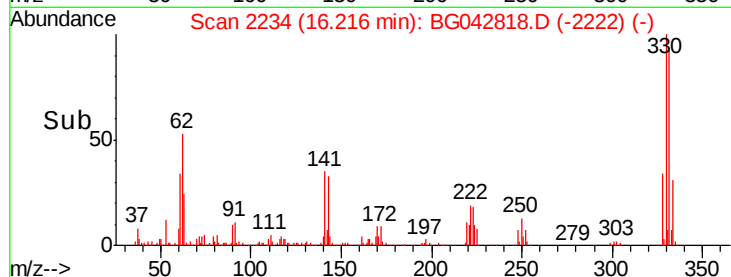
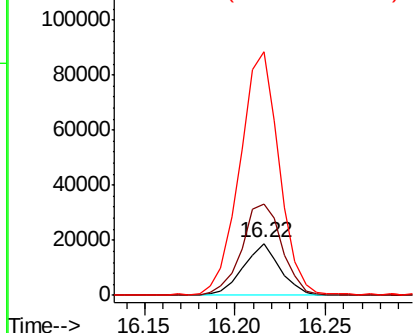
#67
4-Bromophenyl-phenylether
Concen: 4.089 ng
RT: 16.22 min Scan# 2234
Delta R.T. -0.46 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Instrument :
BNA_F
ClientSampleId :
S403-K1-2.0-2.5-082819

Tot Ion:248 Resp: 26890
Ion Ratio Lower Upper
248 100
250 177.4 78.0 117.0#
141 469.9 51.8 77.6#

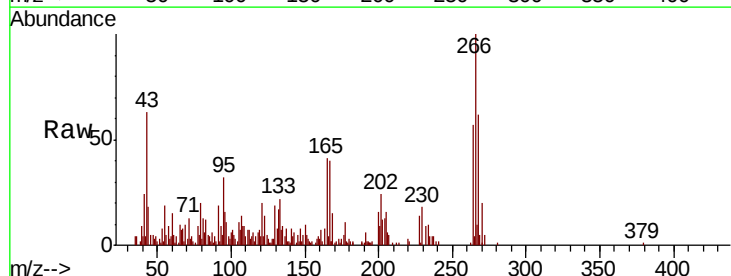


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

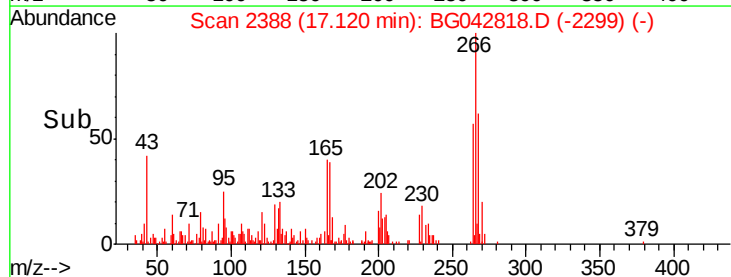
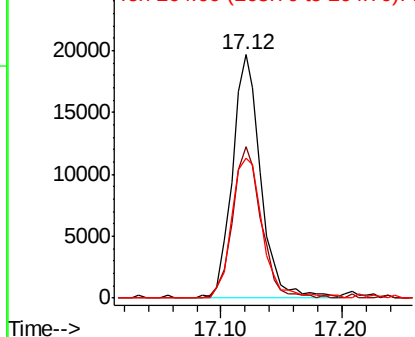


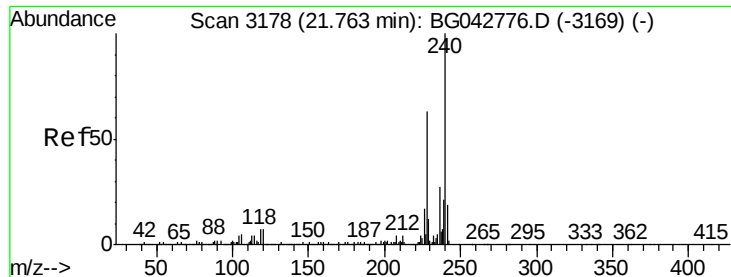
#70
Pentachlorophenol
Concen: 7.694 ng
RT: 17.12 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion:266 Resp: 32070
Ion Ratio Lower Upper
266 100
268 62.1 56.2 84.4
264 57.5 53.4 80.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

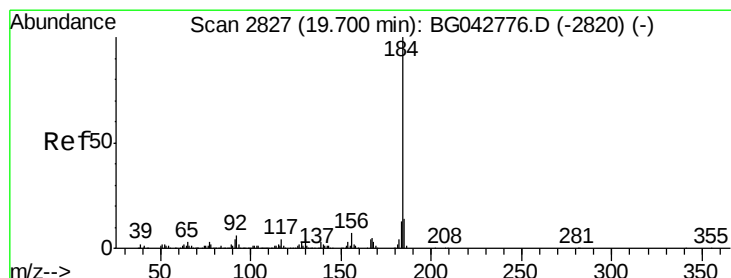
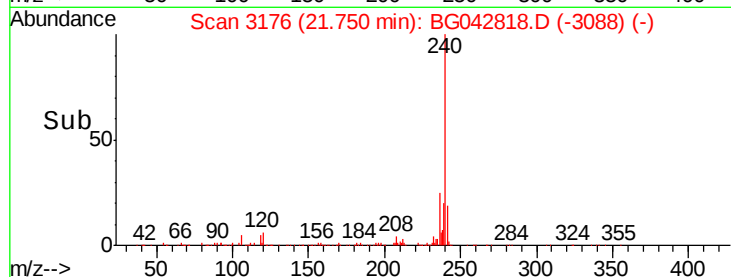
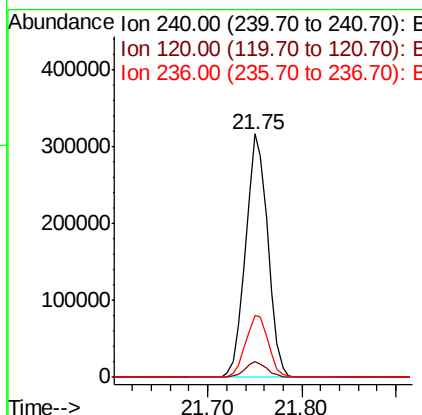
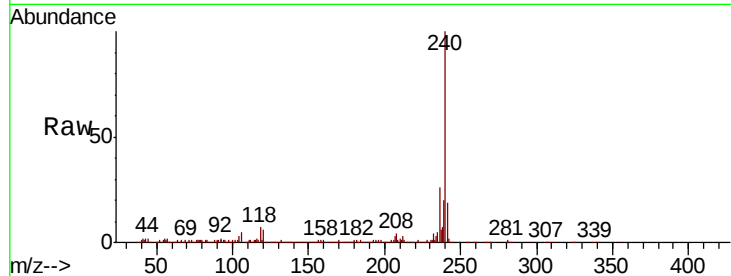




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

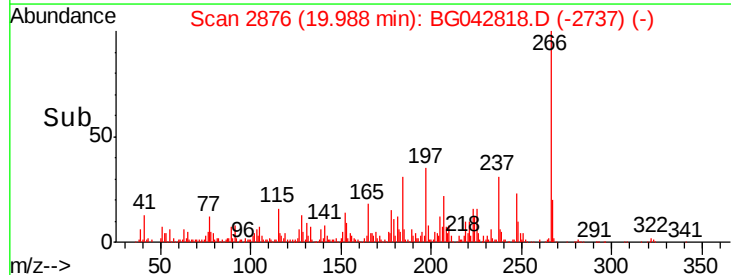
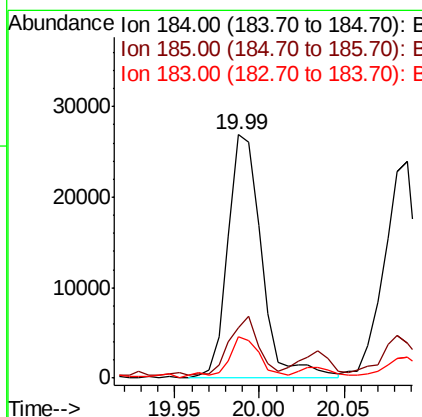
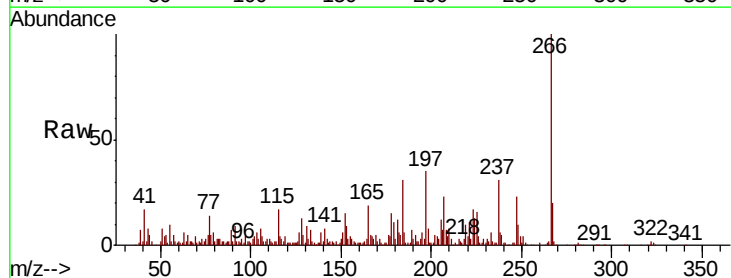
Instrument :
BNA_F
ClientSampleId :
S403-K1-2.0-2.5-082819

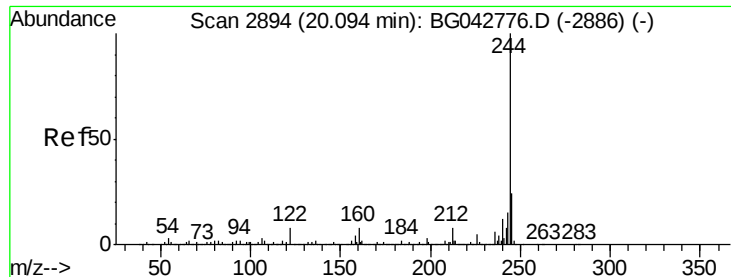
Tot Ion:240 Resp: 514961
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.2
236 25.7 21.7 32.5



#77
Benzidine
Concen: 2.600 ng
RT: 19.99 min Scan# 2876
Delta R.T. 0.29 min
Lab File: BG042818.D
Acq: 13 Sep 2019 16:00

Tgt Ion:184 Resp: 37413
Ion Ratio Lower Upper
184 100
185 20.7 11.6 17.4#
183 17.1 10.4 15.6#





#79

Terphenyl-d14

Concen: 76.226 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

Instrument :

BNA_F

ClientSampleId :

S403-K1-2.0-2.5-082819

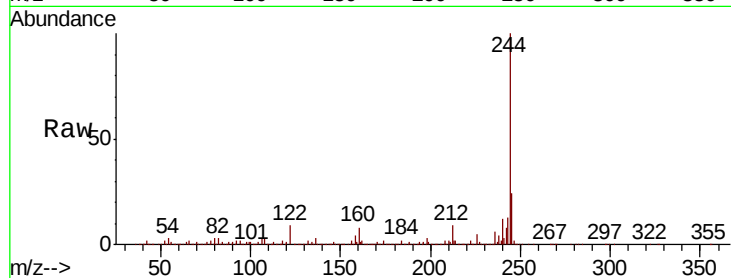
Tot Ion:244 Resp: 1771145

Ion Ratio Lower Upper

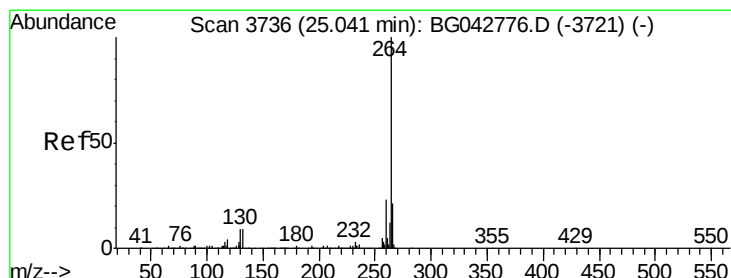
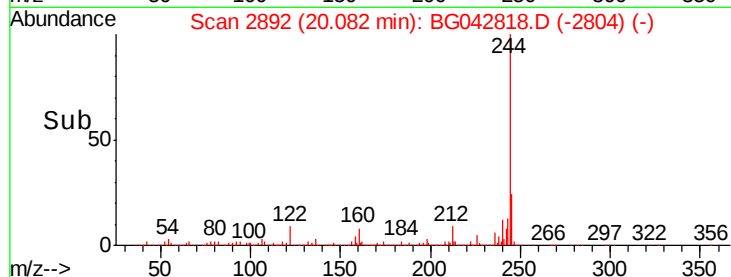
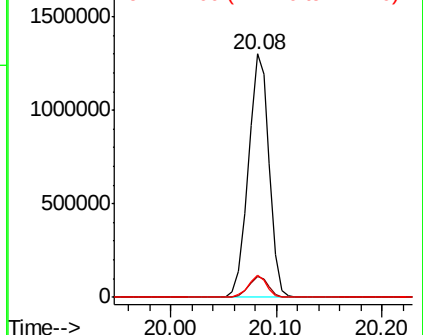
244 100

212 8.8 6.6 10.0

122 8.9 6.2 9.4



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: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG042818.D

Acq: 13 Sep 2019 16:00

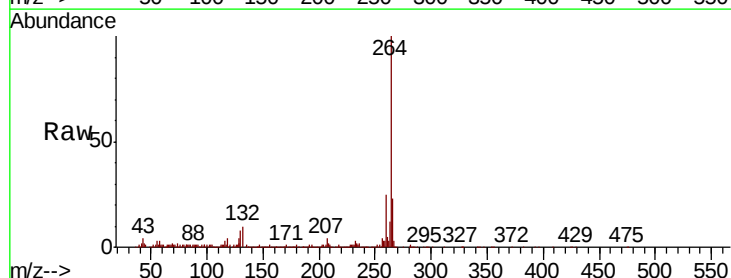
Tgt Ion:264 Resp: 552970

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 23.5 16.9 25.3



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

