

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090220\
 Data File : BG046507.D
 Acq On : 2 Sep 2020 17:30
 Operator : CG/JU
 Sample : L3837-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-01

Quant Time: Sep 02 18:08:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	58408	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	239669	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	171944	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	486410	20.00	ng	0.00
76) Chrysene-d12	21.55	240	511505	20.00	ng	0.00
86) Perylene-d12	24.65	264	519140	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	406235	123.19	ng	0.00
7) Phenol-d6	7.10	99	481909	103.09	ng	0.00
23) Nitrobenzene-d5	9.08	82	399630	95.30	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	339840	145.87	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1010062	89.68	ng	0.00
79) Terphenyl-d14	19.92	244	1980681	82.41	ng	0.00

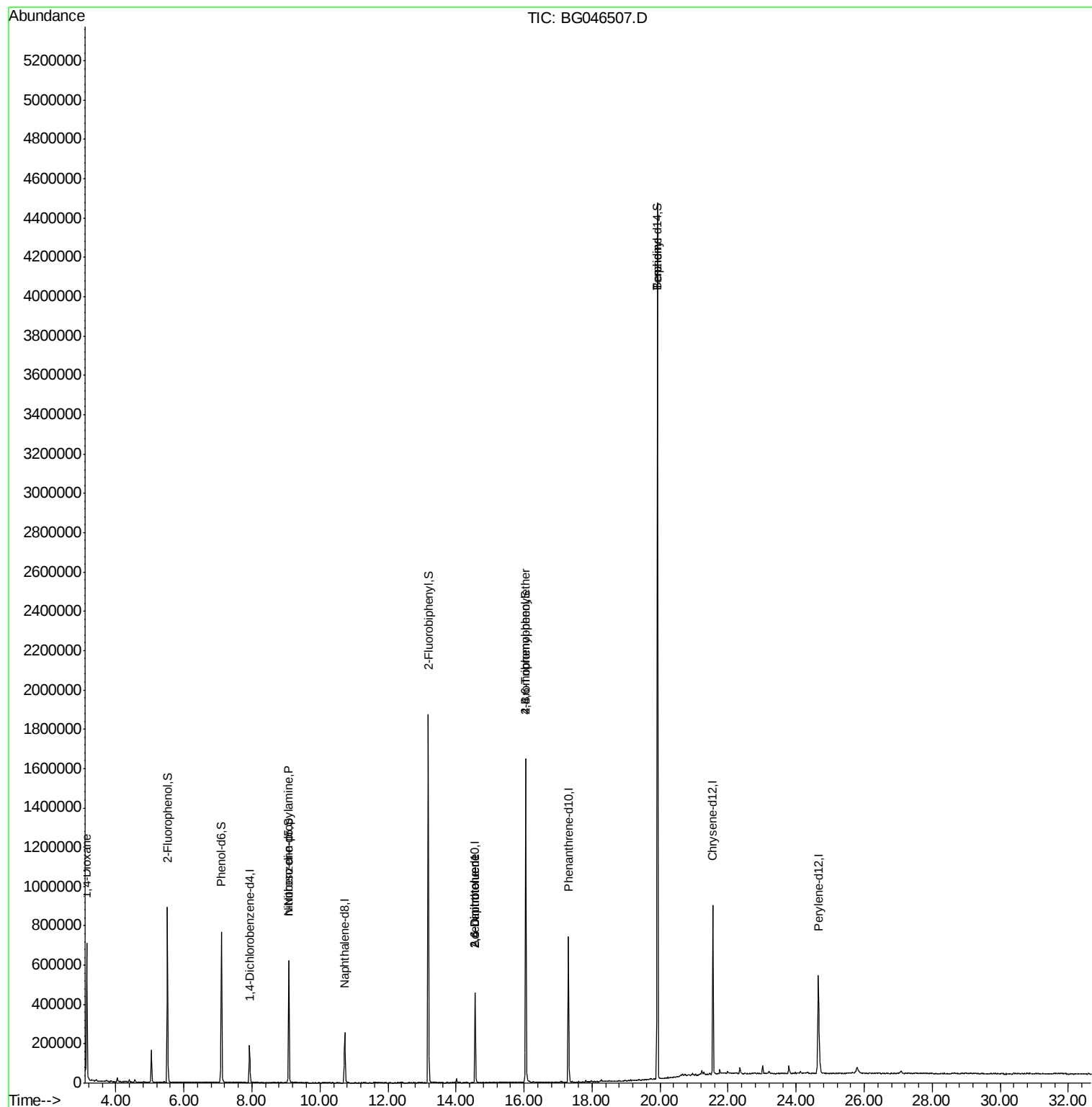
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	6457	4.706	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	51724	18.497	ng	# 79
51) 2,6-Dinitrotoluene	14.56	165	22791	7.772	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	22791	5.451	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	26803	4.723	ng	# 1
77) Benzidine	19.92	184	33023	2.778	ng	# 94

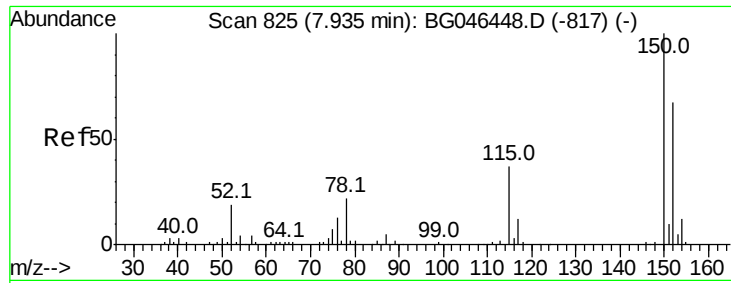
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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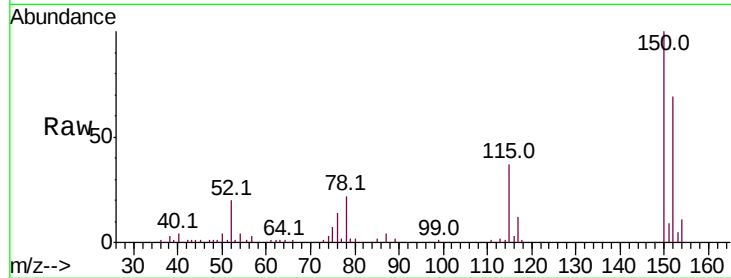


#1

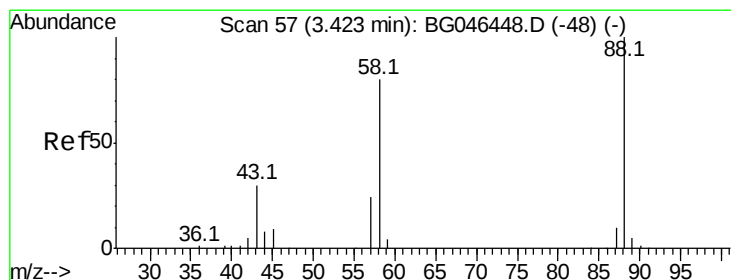
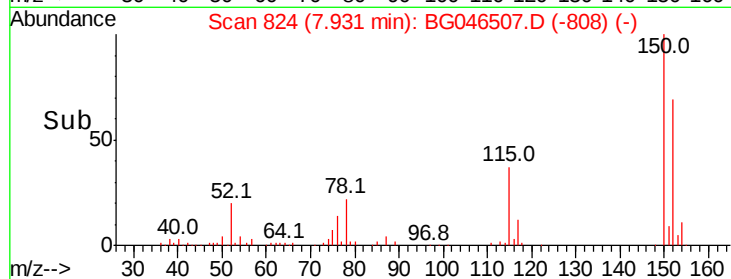
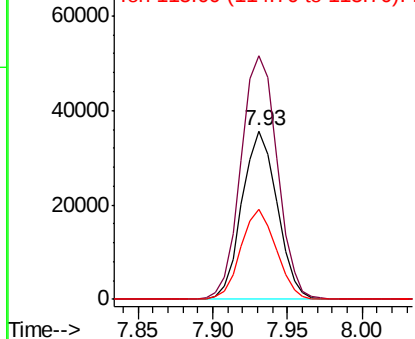
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046507.D
Acq: 2 Sep 2020 17:30

Instrument :
BNA_G
ClientSampleId :
789UMR-DSP01-01

Tot Ion:152 Resp: 58408
Ion Ratio Lower Upper
152 100
150 144.4 119.5 179.3
115 53.5 44.3 66.5



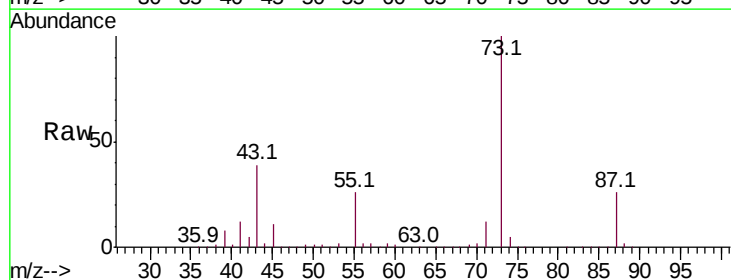
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



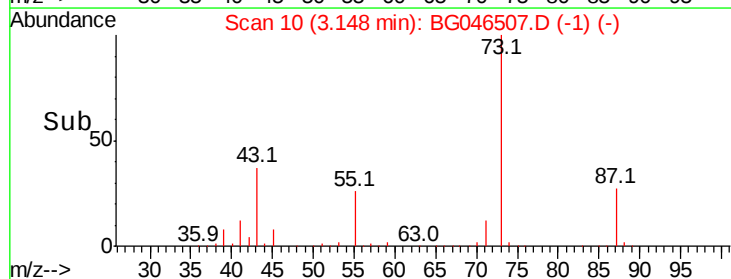
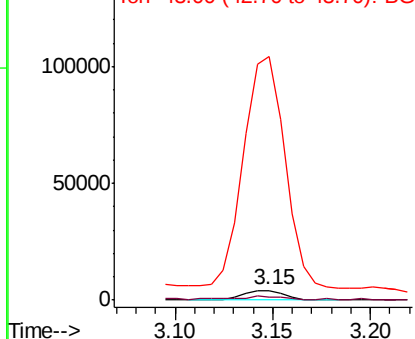
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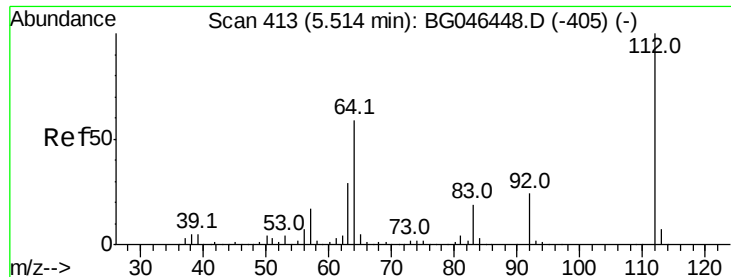
1,4-Dioxane
Concen: 4.706 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046507.D
Acq: 2 Sep 2020 17:30

Tgt Ion: 88 Resp: 6457
Ion Ratio Lower Upper
88 100
58 30.4 61.4 92.2#
43 2281.4 21.6 32.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 123.188 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-01

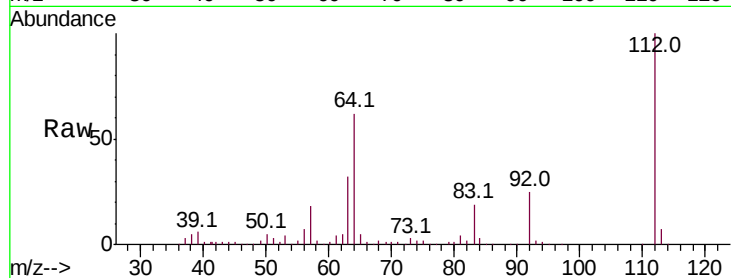
Tot Ion:112 Resp: 406235

Ion Ratio Lower Upper

112 100

64 62.2 47.0 70.6

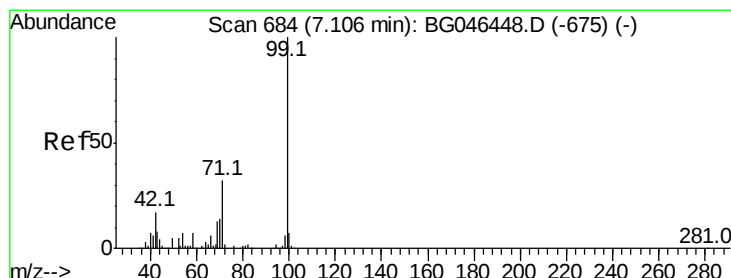
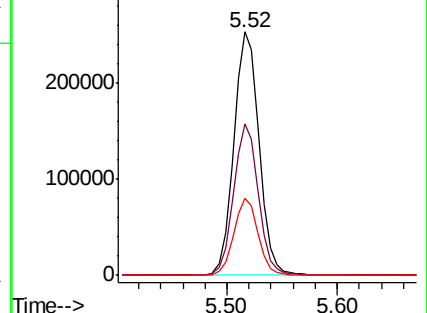
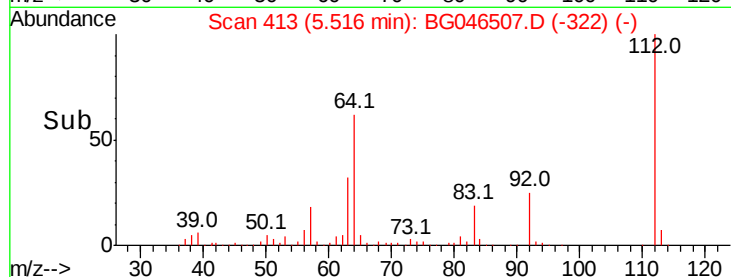
63 31.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 103.086 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

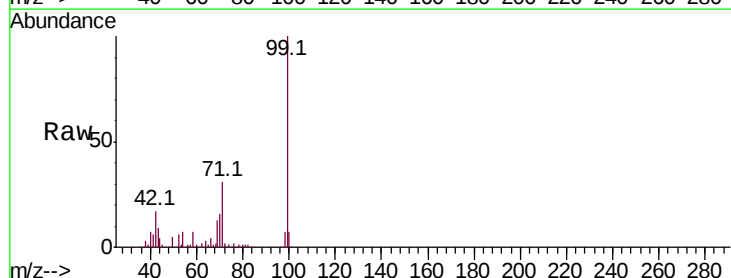
Tgt Ion: 99 Resp: 481909

Ion Ratio Lower Upper

99 100

42 16.9 13.3 19.9

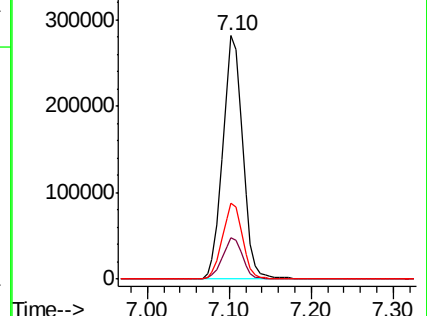
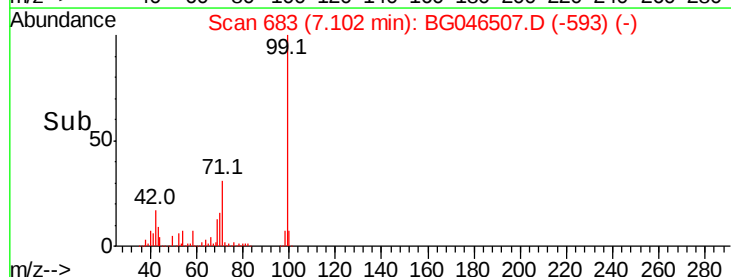
71 31.2 25.3 37.9

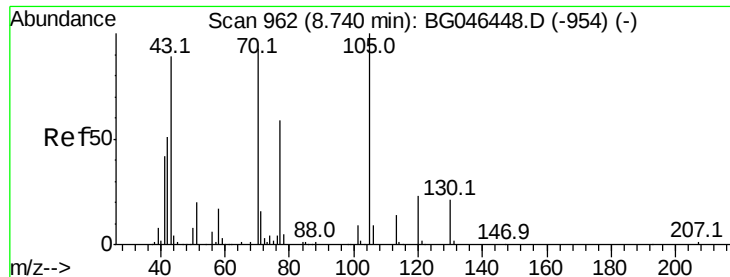


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

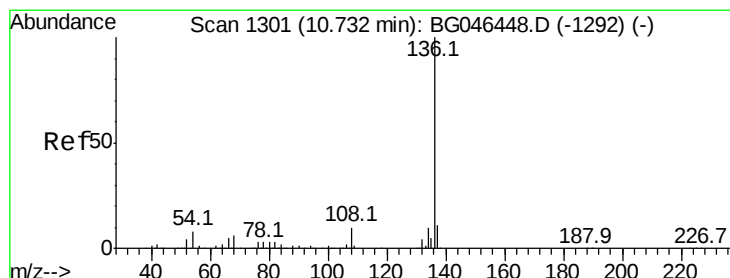
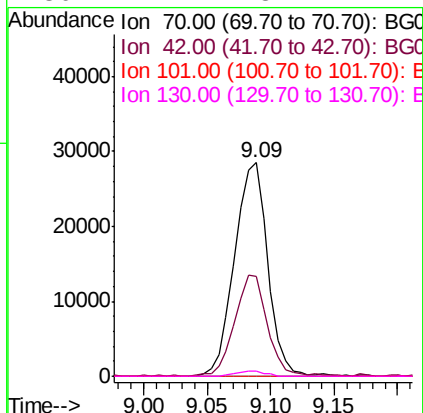
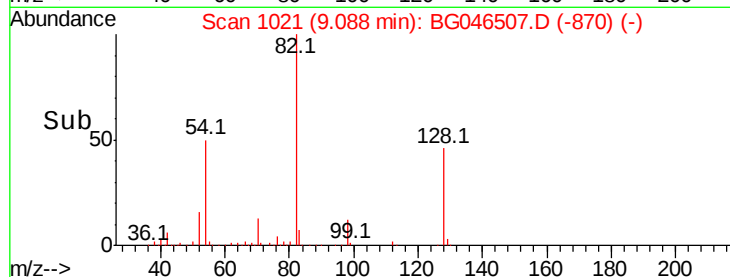
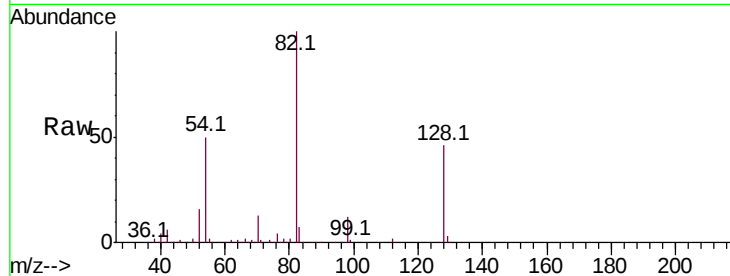




#19
n-Nitroso-di-n-propylamine
Concen: 18.497 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.35 min
Lab File: BG046507.D
Acq: 2 Sep 2020 17:30

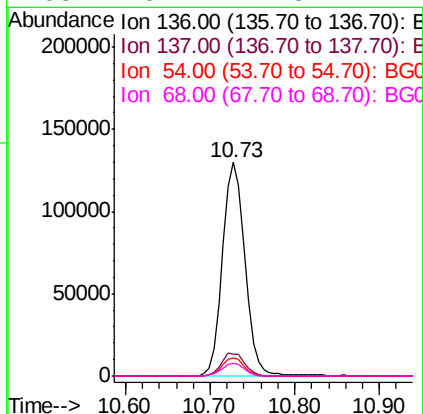
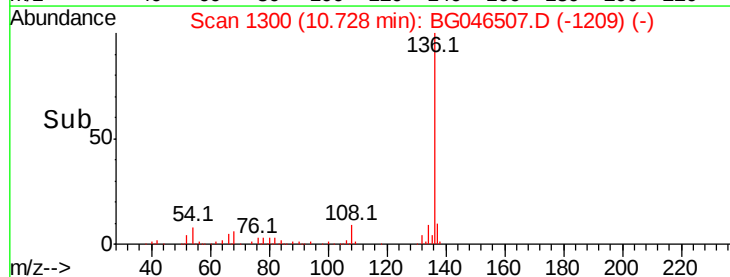
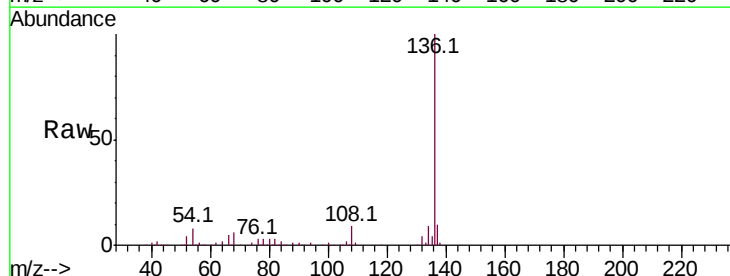
Instrument :
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ClientSampleId :
789UMR-DSP01-01

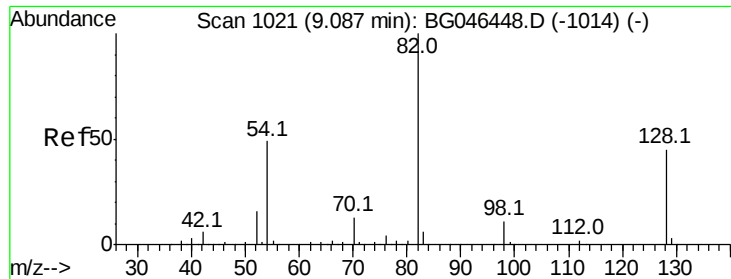
Tot Ion: 70 Resp: 51724
Ion Ratio Lower Upper
70 100
42 46.9 44.2 66.2
101 0.0 7.8 11.8#
130 2.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046507.D
Acq: 2 Sep 2020 17:30

Tgt Ion: 136 Resp: 239669
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.2 6.1 9.1
68 6.2 4.8 7.2

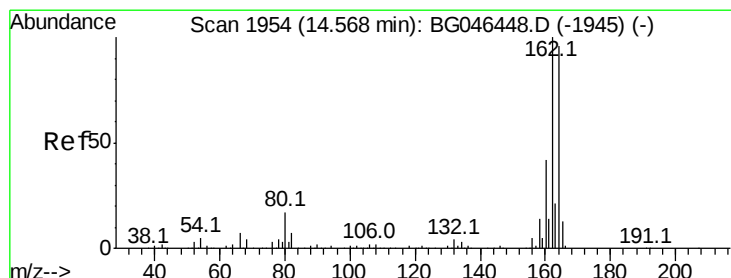
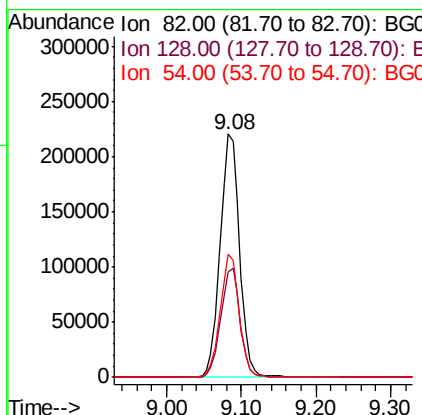
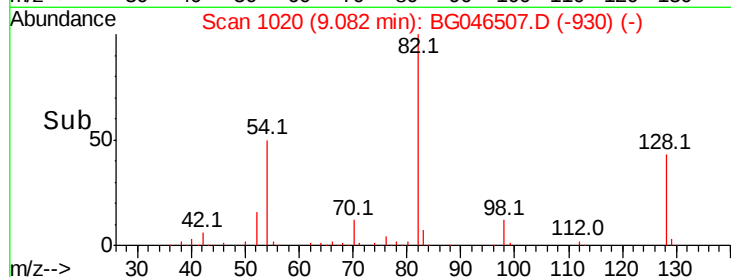
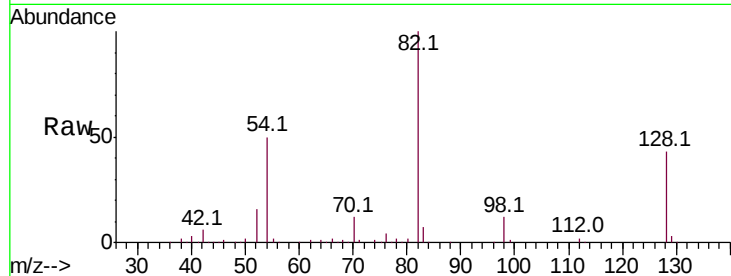




#23
 Nitrobenzene-d5
 Concen: 95.302 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

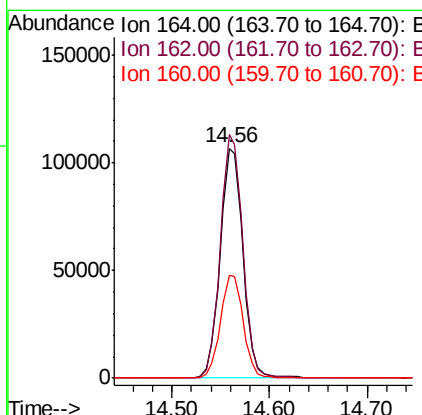
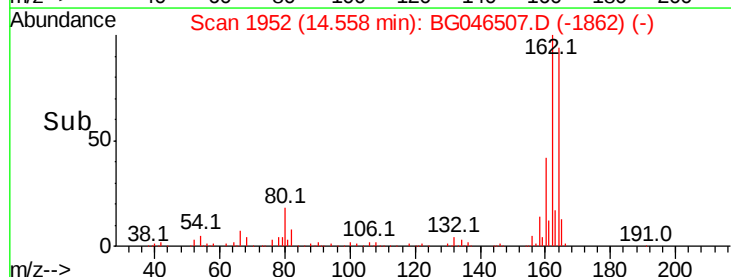
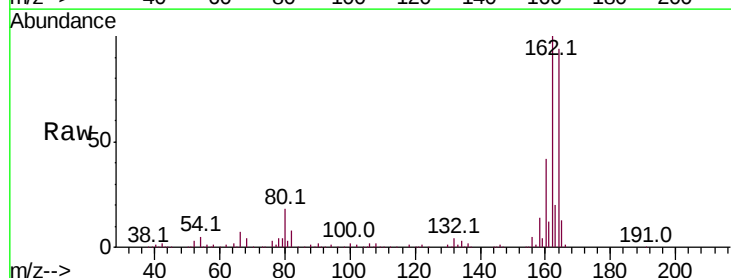
Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-01

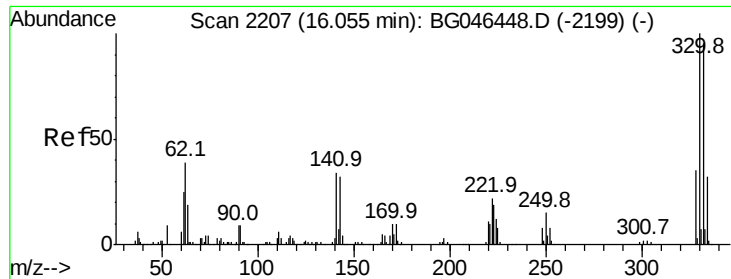
Tot Ion	82	Resp	399630
Ion Ratio	Lower	Upper	
82	100		
128	43.3	35.7	53.5
54	50.4	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

Tgt Ion	164	Resp	171944
Ion Ratio	Lower	Upper	
164	100		
162	106.1	83.3	124.9
160	44.9	35.0	52.6

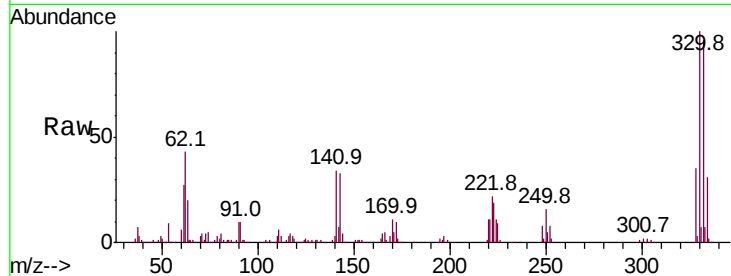




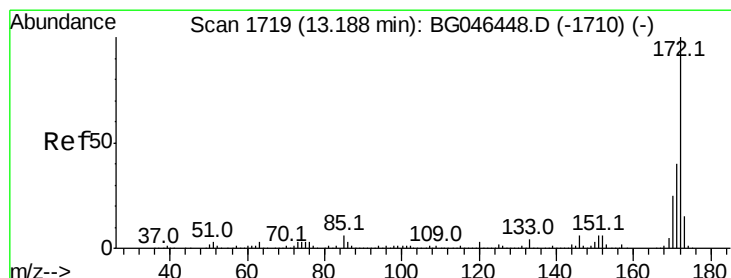
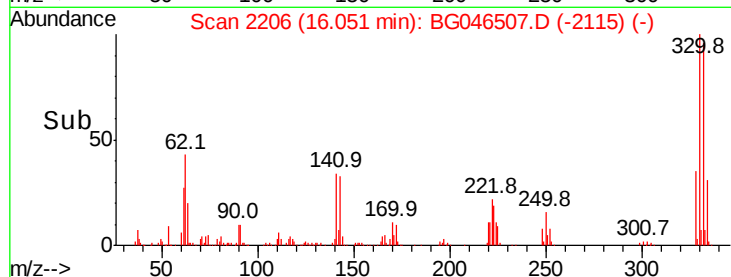
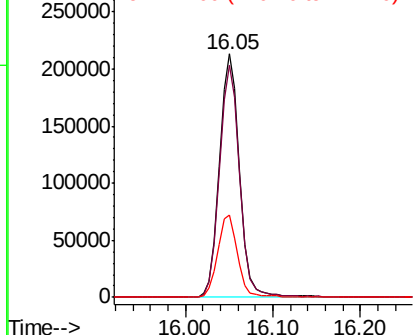
#42
 2,4,6-Tribromophenol
 Concen: 145.872 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.1	114.1
141	33.8	26.1	39.1

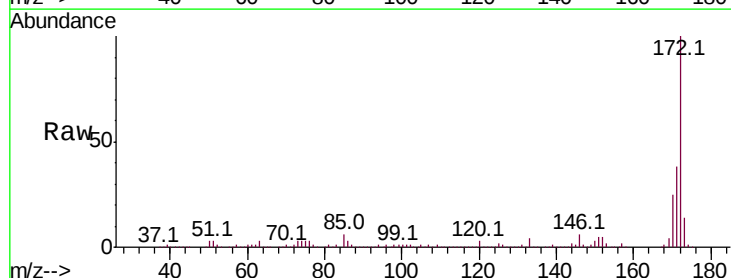


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

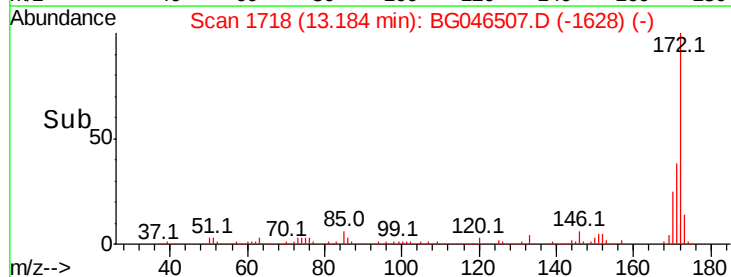
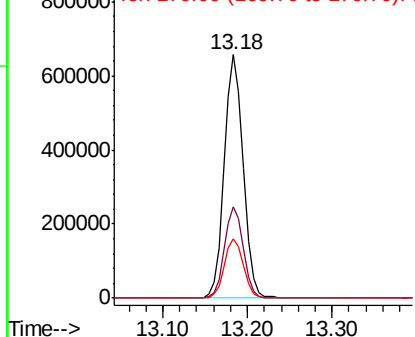


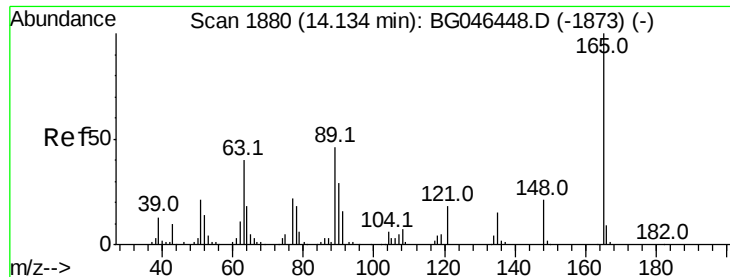
#45
 2-Fluorobiphenyl
 Concen: 89.676 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.8	47.6
170	24.6	20.3	30.5



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

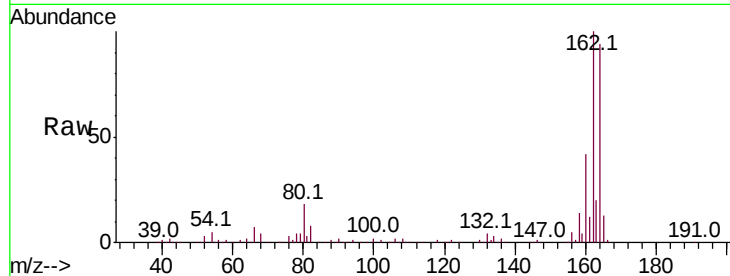




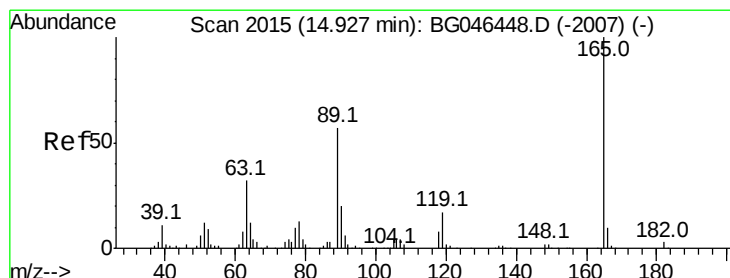
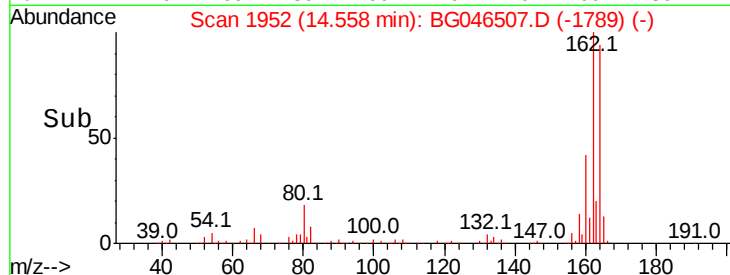
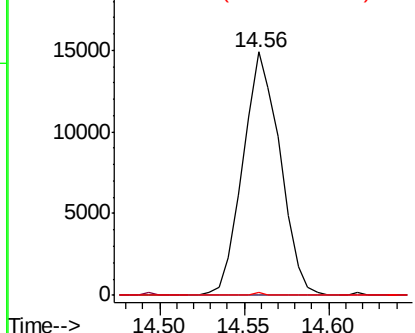
#51
 2,6-Dinitrotoluene
 Concen: 7.772 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

Instrument :
 BNA_G
 ClientSampleId :
 789UMR-DSP01-01

Tot Ion:165 Resp: 22791
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 1.0 37.0 55.4#

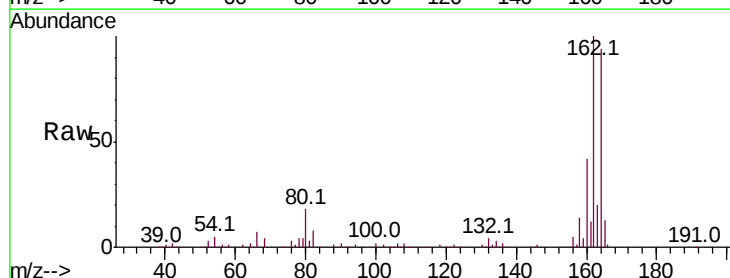


Abundance Ion 165.00 (164.70 to 165.70): E
 20000 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

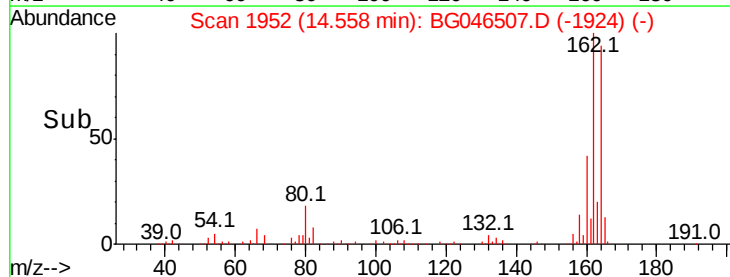
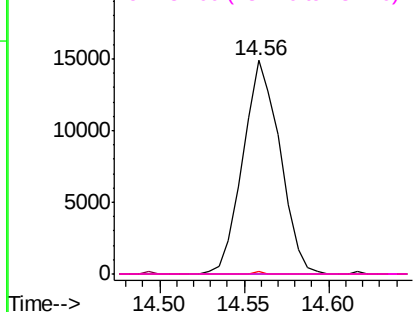


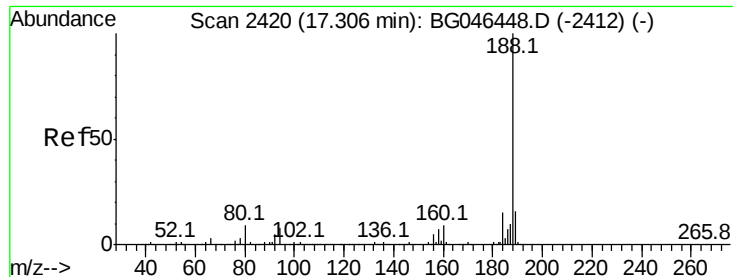
#57
 2,4-Dinitrotoluene
 Concen: 5.451 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046507.D
 Acq: 2 Sep 2020 17:30

Tgt Ion:165 Resp: 22791
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 1.0 45.9 68.9#
 182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
 20000 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: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-01

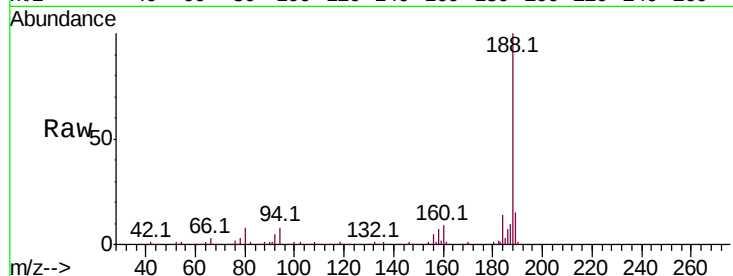
Tot Ion:188 Resp: 486410

Ion Ratio Lower Upper

188 100

94 8.0 6.3 9.5

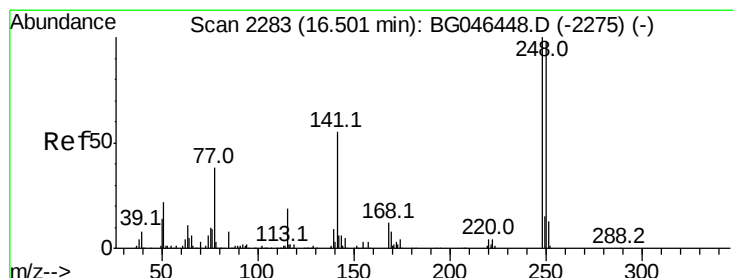
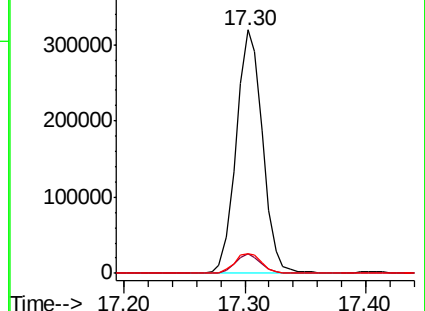
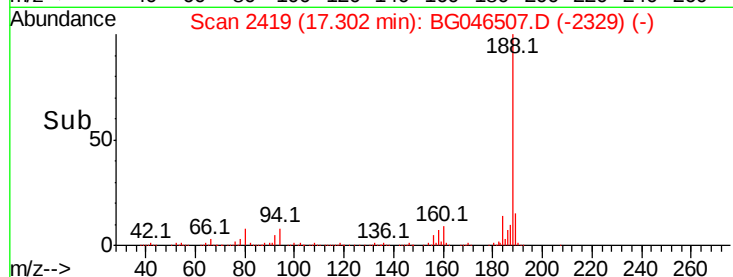
80 8.2 6.9 10.3



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: 4.723 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.44 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

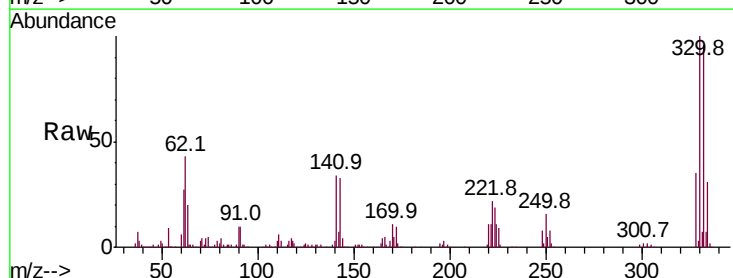
Tgt Ion:248 Resp: 26803

Ion Ratio Lower Upper

248 100

250 196.8 78.6 118.0#

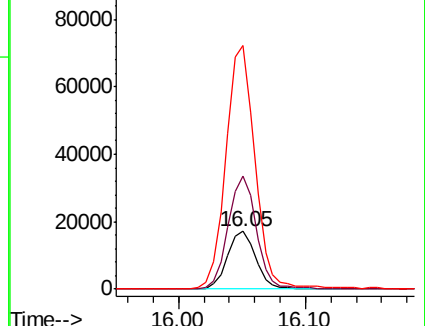
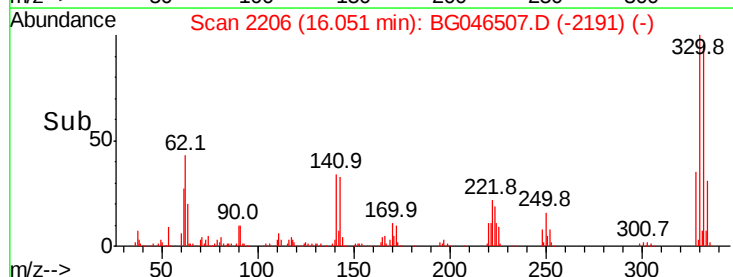
141 423.9 43.9 65.9#

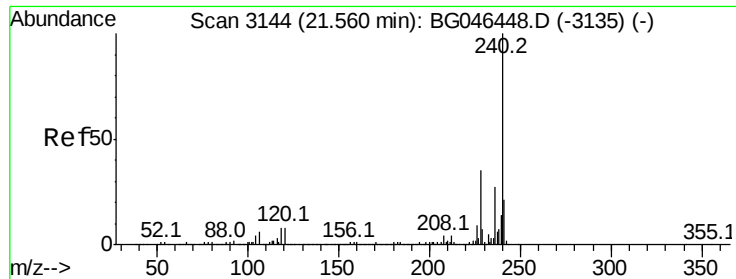


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-01

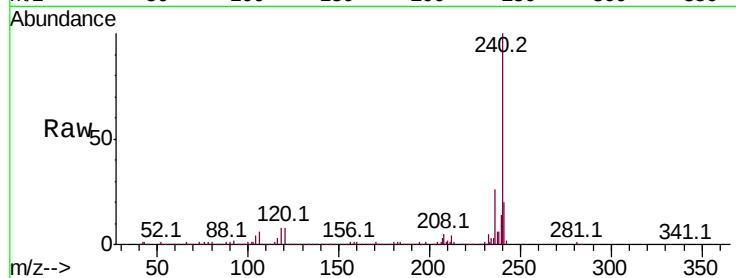
Tot Ion:240 Resp: 511505

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

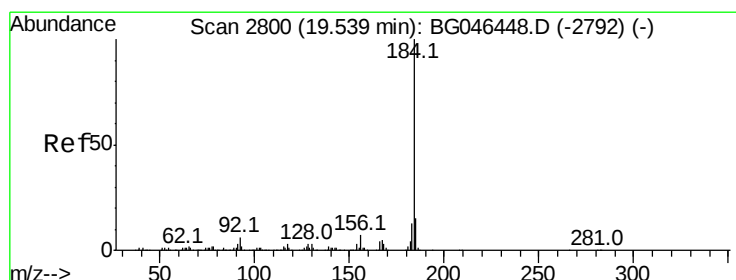
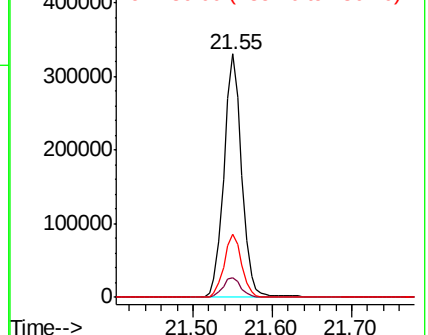
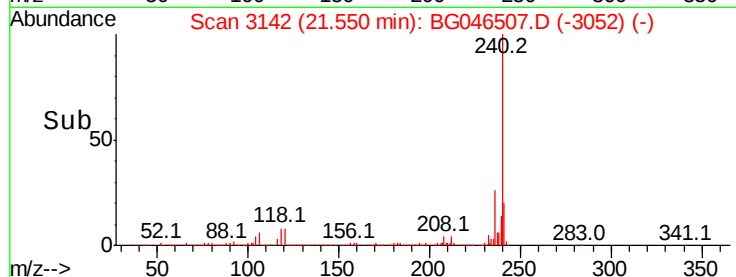
236 25.8 21.4 32.2



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: 2.778 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

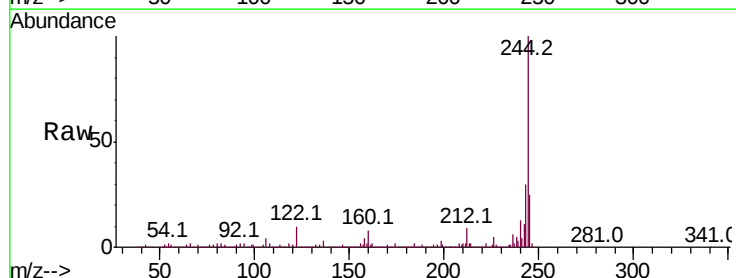
Tgt Ion:184 Resp: 33023

Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.8#

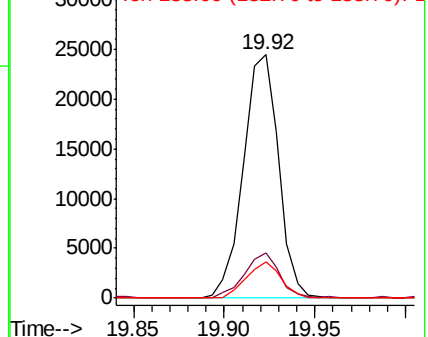
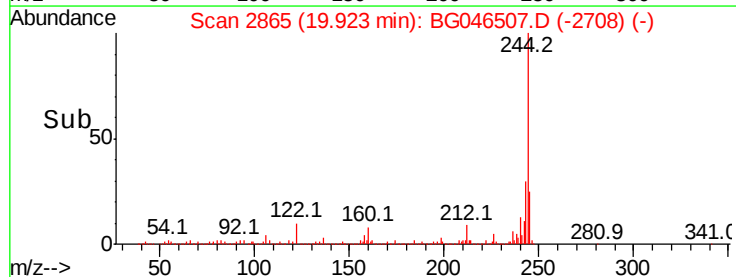
183 14.8 10.7 16.1

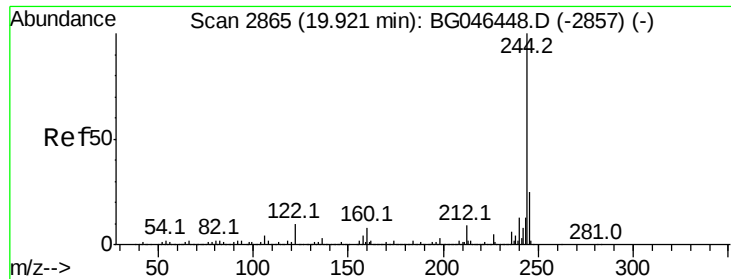


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.409 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

Instrument :

BNA_G

ClientSampleId :

789UMR-DSP01-01

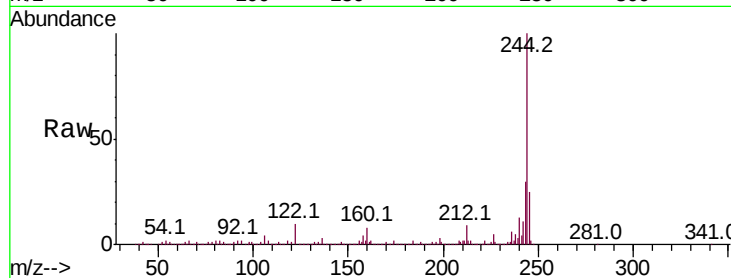
Tot Ion:244 Resp: 1980681

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.9	10.3
122	10.4	8.2	12.4

244 100

212 9.1 6.9 10.3

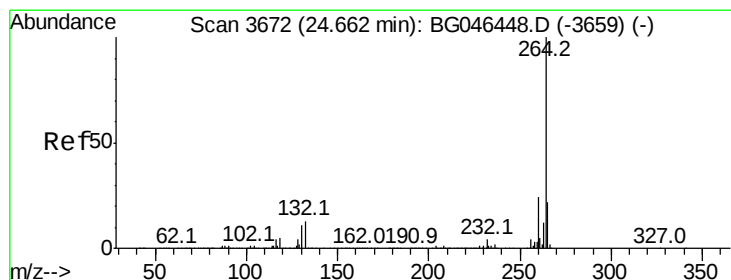
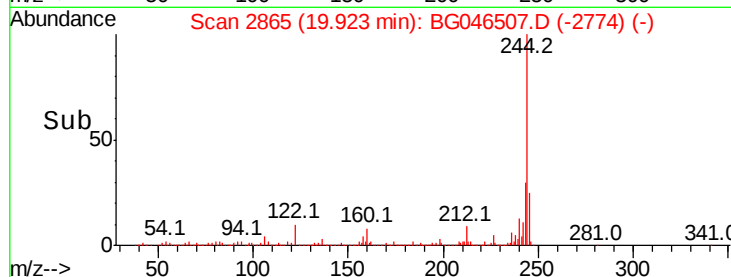
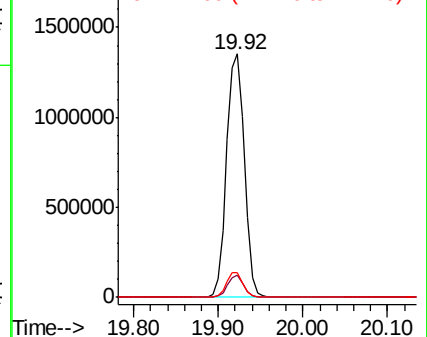
122 10.4 8.2 12.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BG046507.D

Acq: 2 Sep 2020 17:30

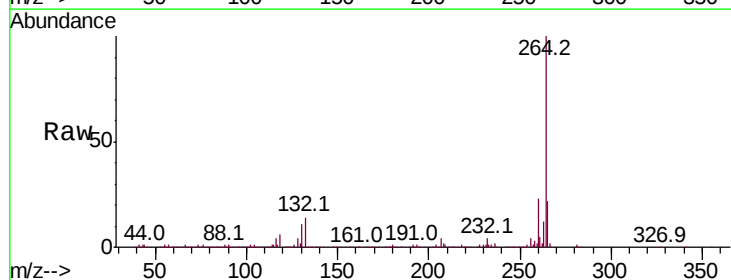
Tgt Ion:264 Resp: 519140

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	17.9	26.9

264 100

260 23.3 19.2 28.8

265 22.1 17.9 26.9



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

