

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042855.D
 Acq On : 16 Sep 2019 19:12
 Operator : HP/JU
 Sample : K4859-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:20:54 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

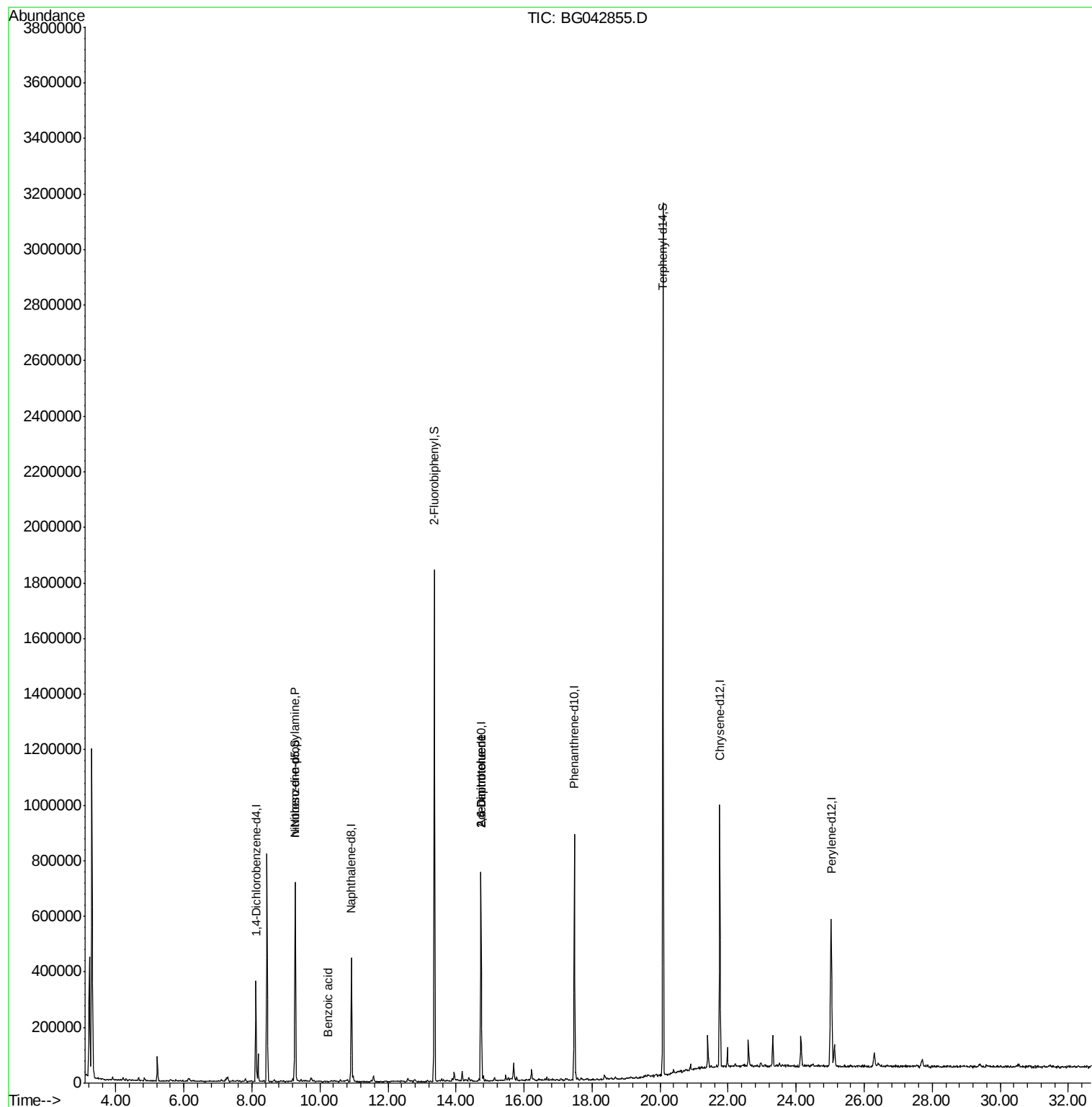
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	101573	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	387397	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	260590	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	585574	20.00	ng	0.00
76) Chrysene-d12	21.76	240	572753	20.00	ng	0.00
87) Perylene-d12	25.03	264	625056	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	79	0.01	ng	0.00
7) Phenol-d6	7.26	99	2263	0.27	ng	0.00
23) Nitrobenzene-d5	9.27	82	447482	60.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	161	0.05	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	987538	59.99	ng	-0.01
79) Terphenyl-d14	20.08	244	1505292	58.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	59976	9.706	ng	# 69
32) Benzoic acid	10.24	122	72	5.979	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	34963	8.728	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	34963	6.548	ng	# 24

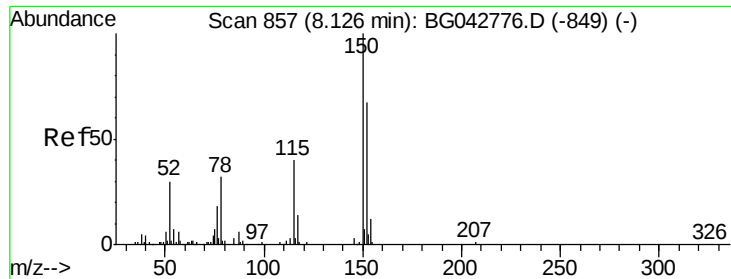
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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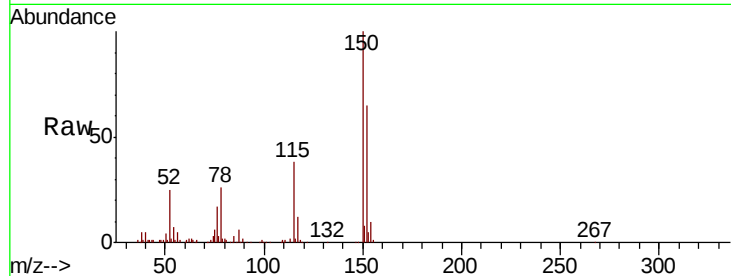


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042855.D
Acq: 16 Sep 2019 19:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	118.9	178.3
115	57.4	47.4	71.2

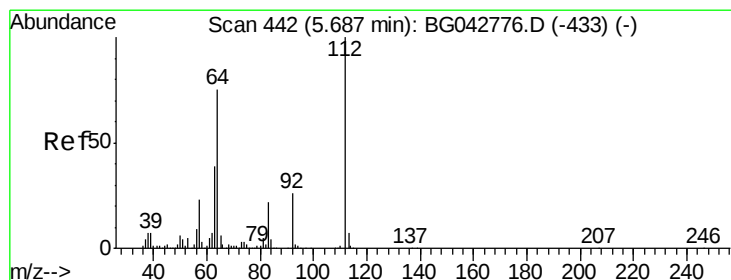
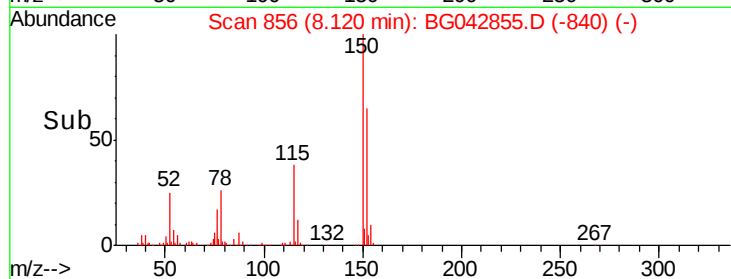
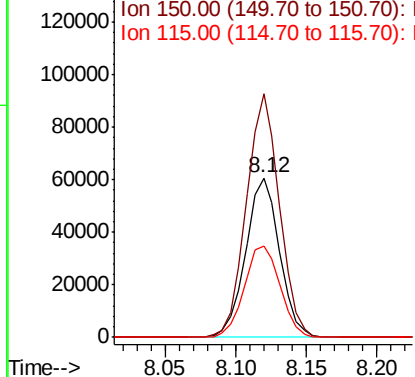


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

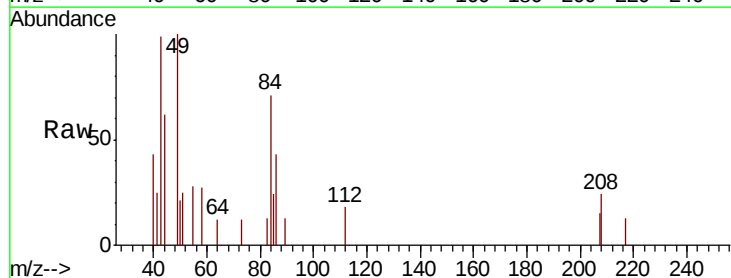
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.014 ng
RT: 5.69 min Scan# 443
Delta R.T. 0.01 min
Lab File: BG042855.D
Acq: 16 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	60.2	90.2
63	0.0	31.2	46.8#

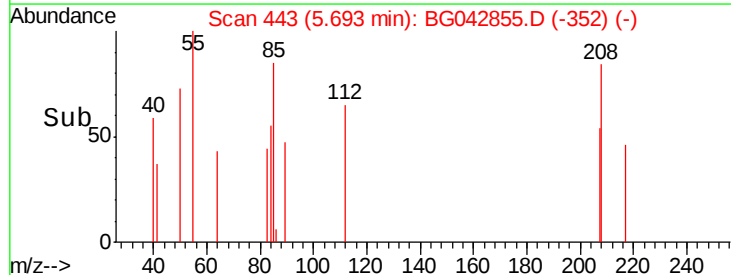
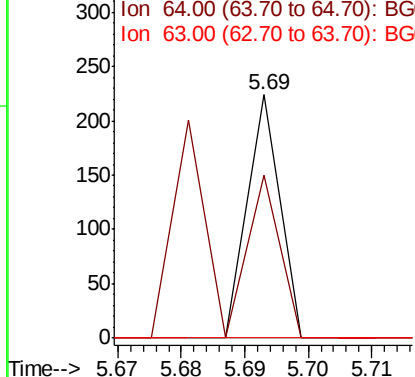


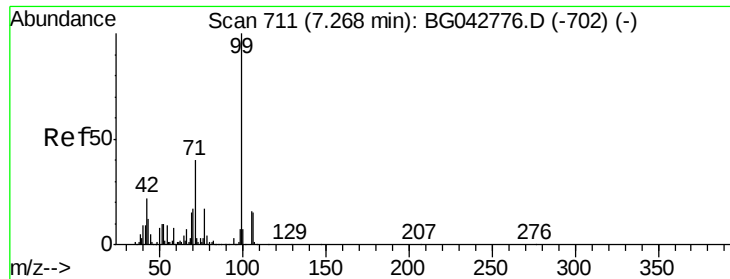
Abundance

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: 0.270 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Instrument :

BNA_G

ClientSampleId :

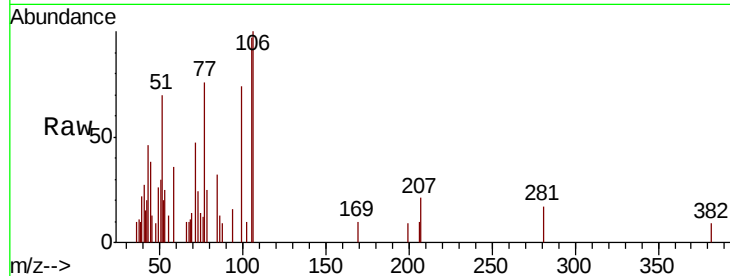
Tot Ion: 99 Resp: 2263

Ion Ratio Lower Upper

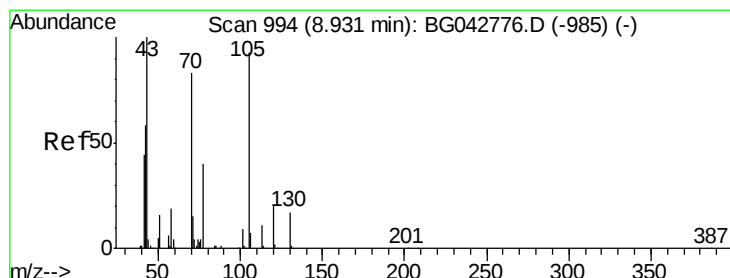
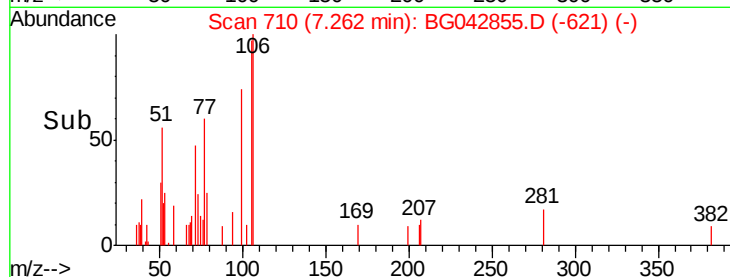
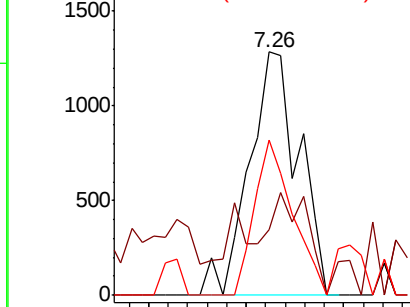
99 100

42 26.8 17.5 26.3#

71 63.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.706 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Tgt Ion: 70 Resp: 59976

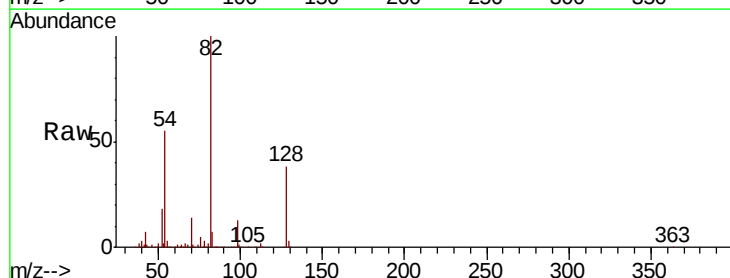
Ion Ratio Lower Upper

70 100

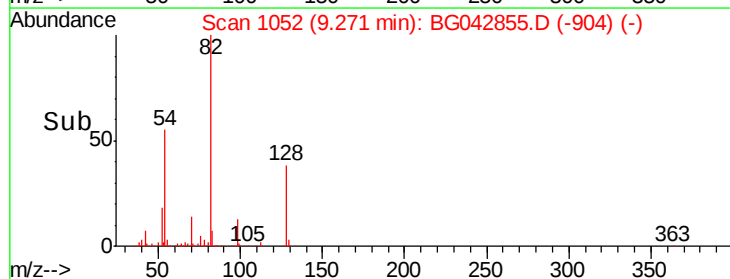
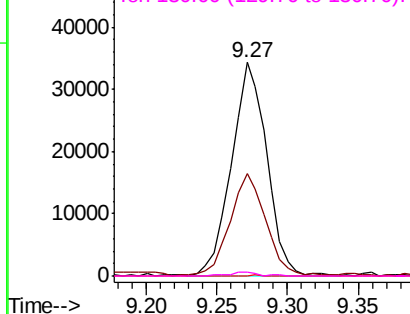
42 47.7 57.0 85.6#

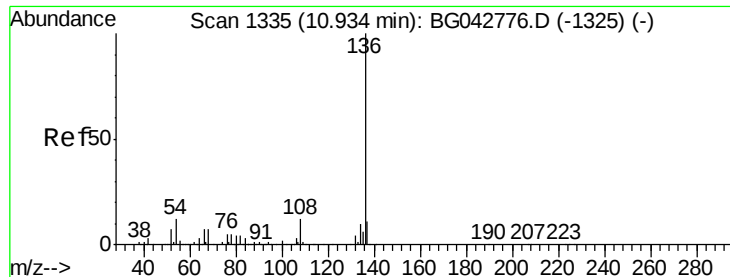
101 0.0 8.4 12.6#

130 1.7 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

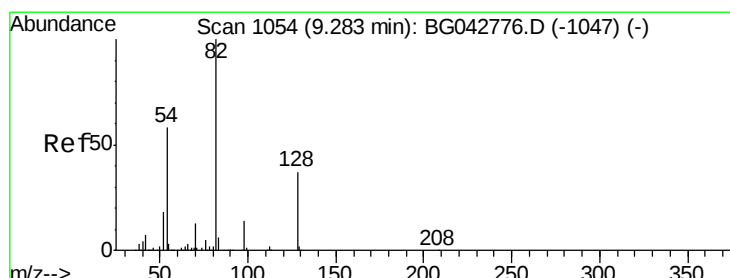
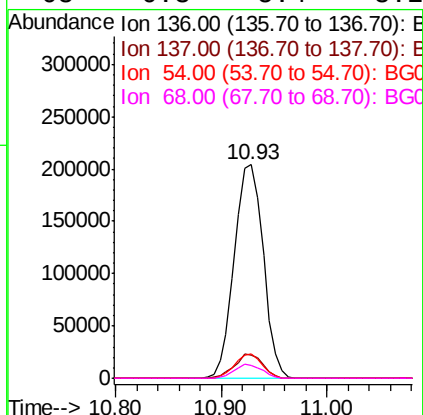
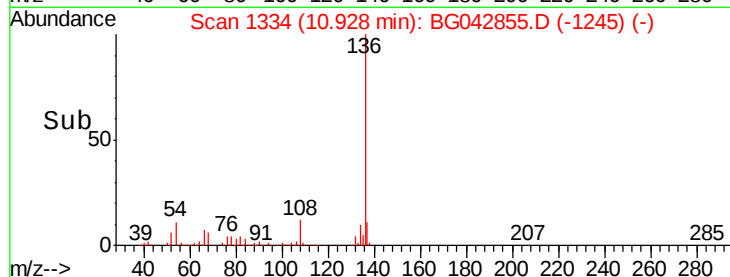
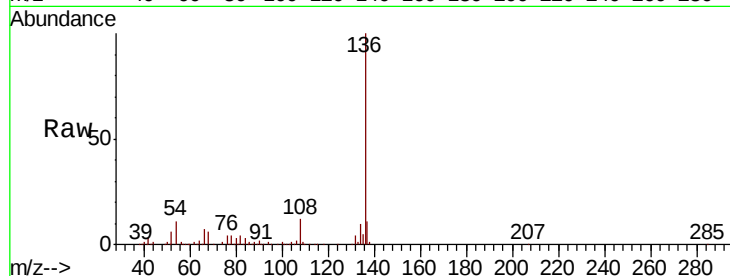




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042855.D
Acq: 16 Sep 2019 19:12

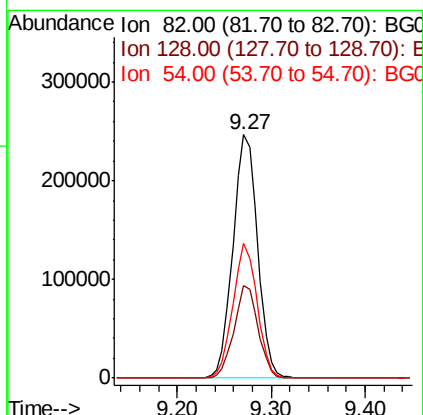
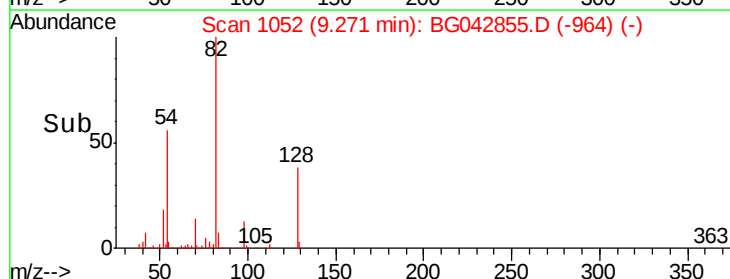
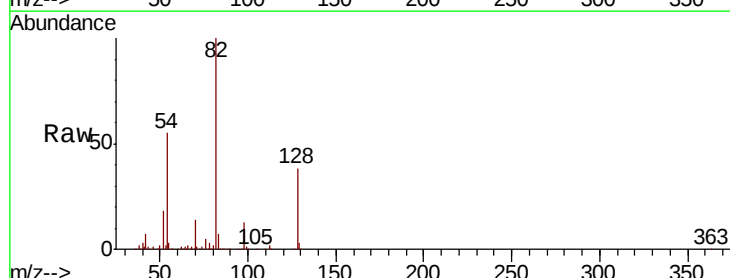
Instrument :
BNA_G
ClientSampleId :

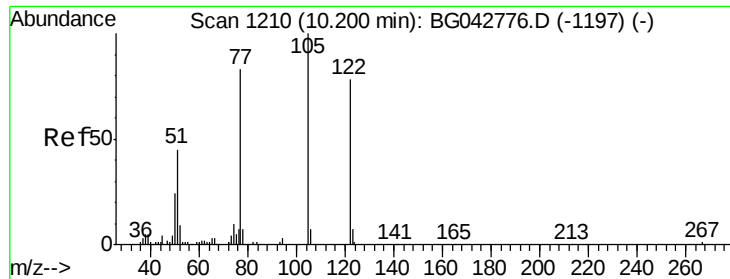
Tot Ion:136	Resp:	387397
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.6
54 11.1	9.4	14.0
68 6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 60.137 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042855.D
Acq: 16 Sep 2019 19:12

Tgt	Ion: 82	Resp:	447482
Ion	Ratio	Lower	Upper
82	100		
128	38.1	29.8	44.8
54	55.5	46.1	69.1





#32

Benzoic acid

Concen: 5.979 ng

RT: 10.24 min Scan# 1217

Delta R.T. 0.04 min

Lab File: BG042855.D

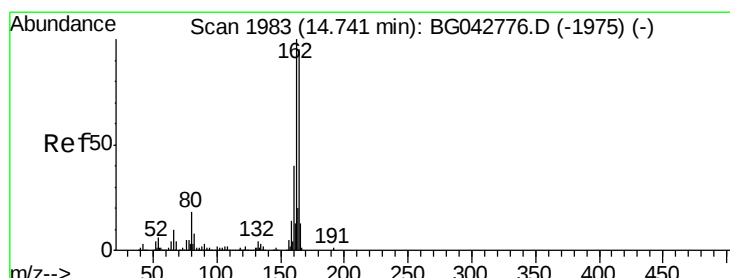
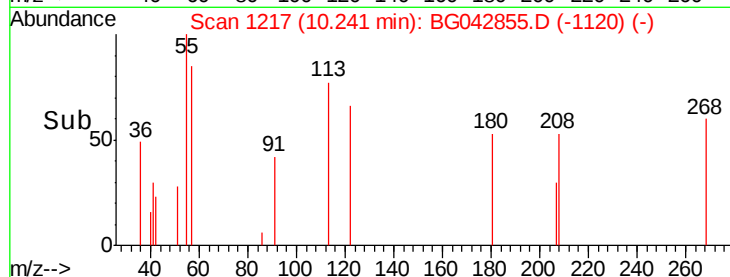
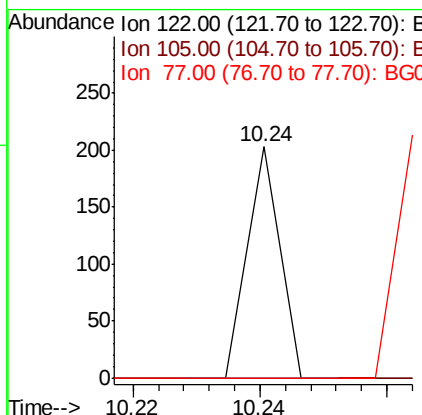
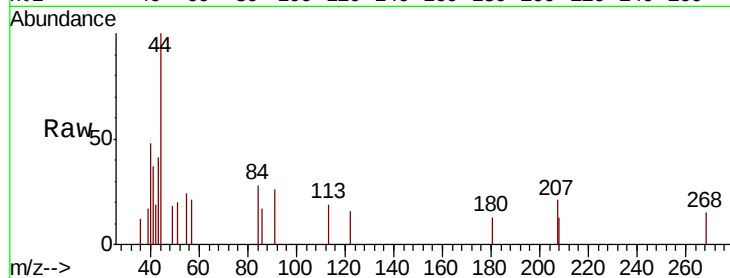
Acq: 16 Sep 2019 19:12

Instrument :

BNA_G

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

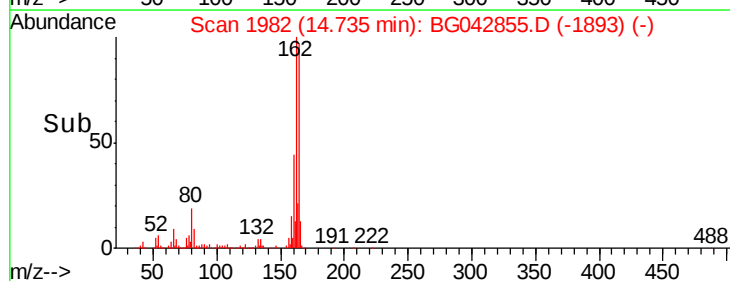
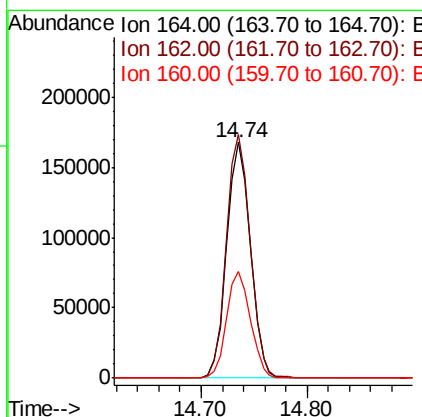
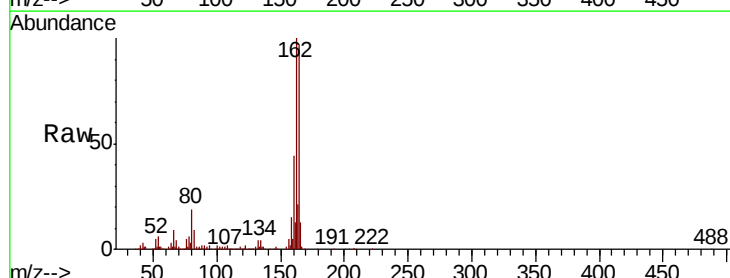
RT: 14.74 min Scan# 1982

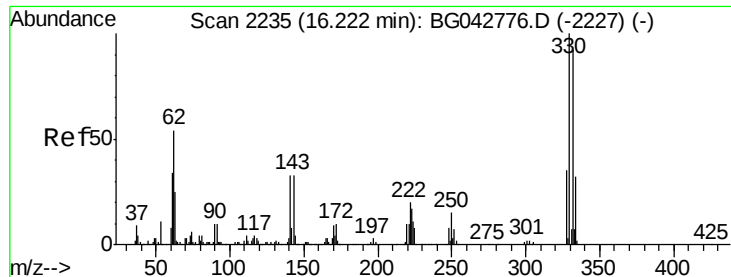
Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	84.6	126.8
160	45.4	34.2	51.2

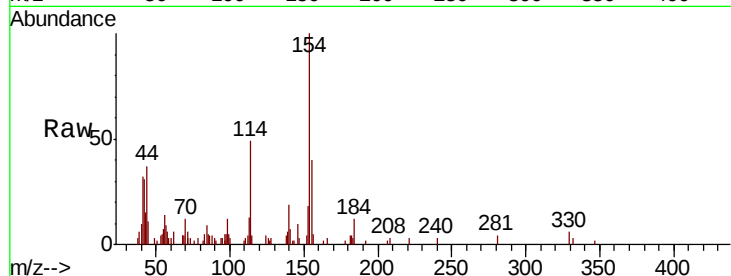




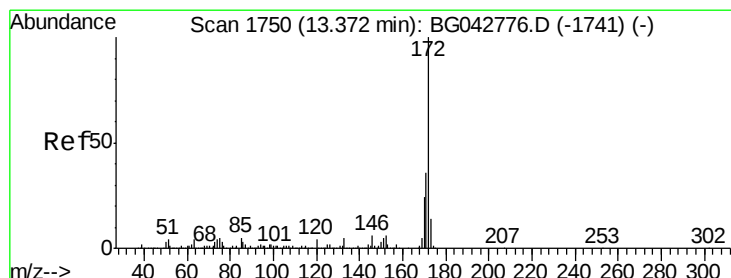
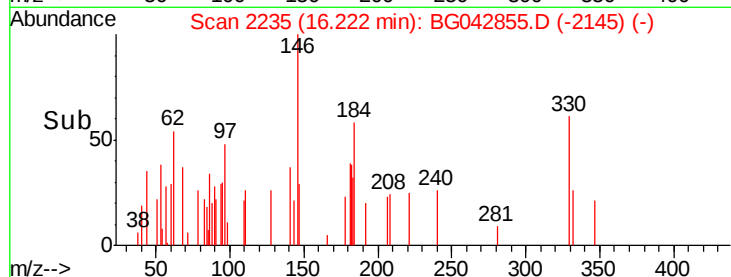
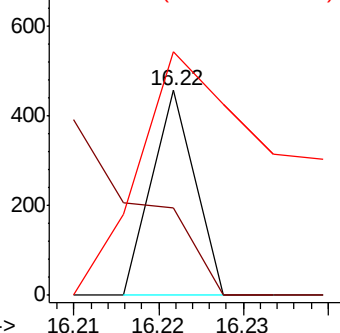
#42
 2,4,6-Tribromophenol
 Concen: 0.046 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042855.D
 Acq: 16 Sep 2019 19:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.7	115.1#
141	437.3	27.0	40.6#

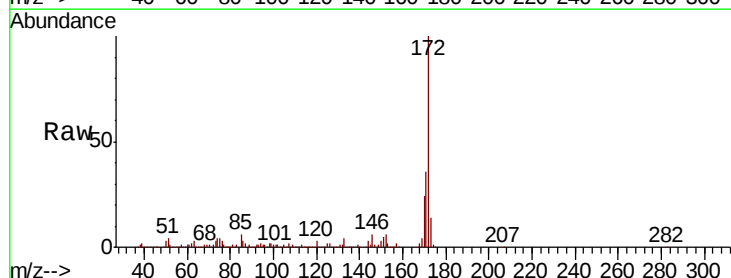


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

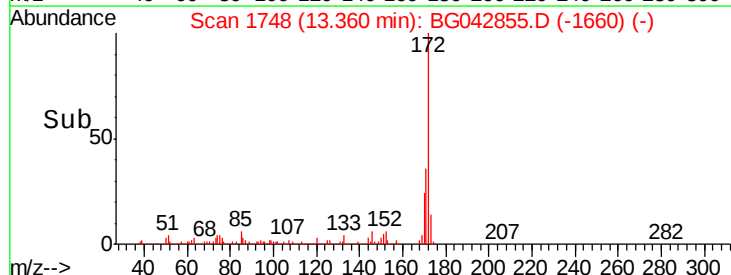
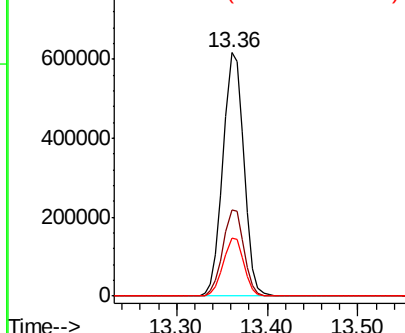


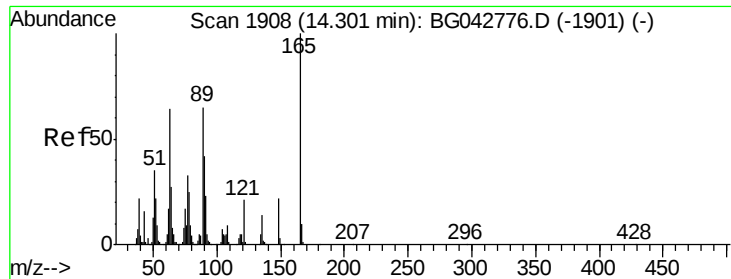
#45
 2-Fluorobiphenyl
 Concen: 59.987 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042855.D
 Acq: 16 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.8	19.1	28.7



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: 8.728 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Instrument :

BNA_G

ClientSampleId :

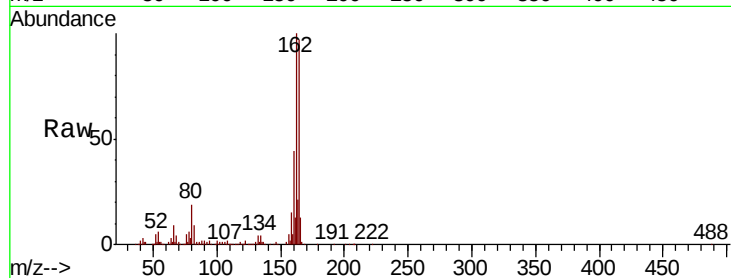
Tot Ion:165 Resp: 34963

Ion Ratio Lower Upper

165 100

63 1.8 52.1 78.1#

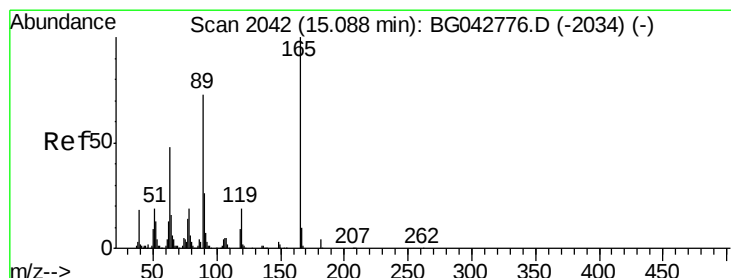
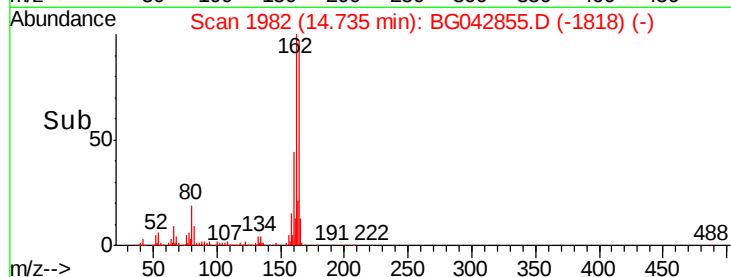
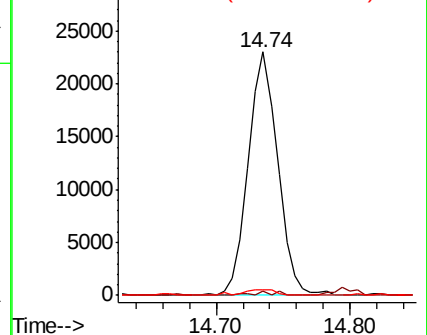
89 2.2 51.7 77.5#



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: 6.548 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Tgt Ion:165 Resp: 34963

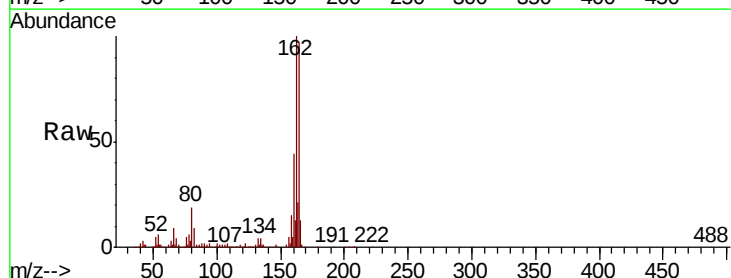
Ion Ratio Lower Upper

165 100

63 1.8 38.3 57.5#

89 2.2 58.4 87.6#

182 0.0 2.9 4.3#

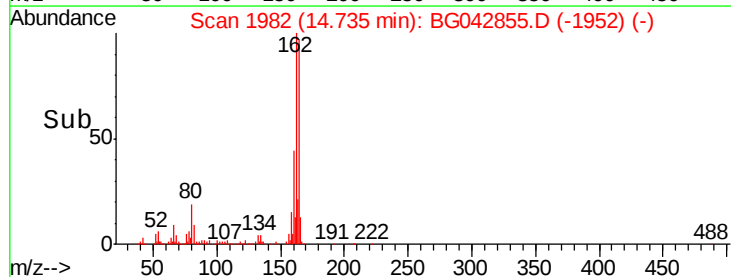
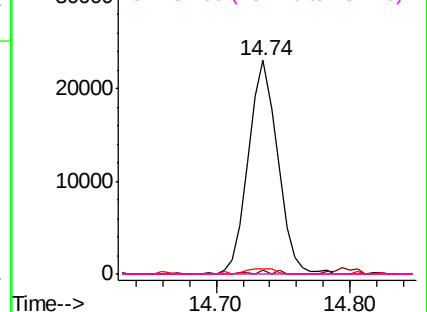


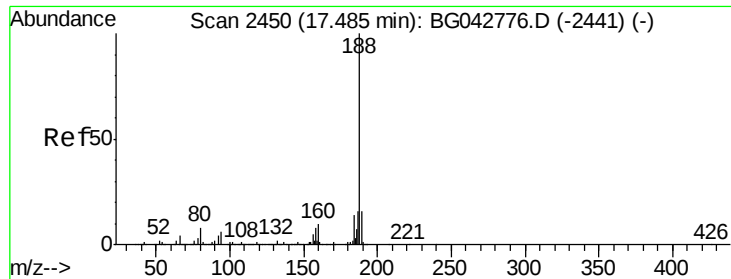
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Instrument :

BNA_G

ClientSampled :

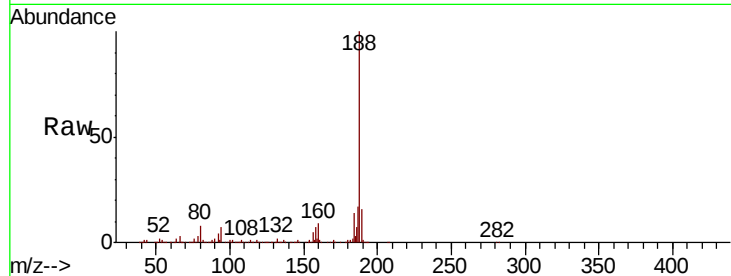
Tot Ion:188 Resp: 585574

Ion Ratio Lower Upper

188 100

94 6.7 4.8 7.2

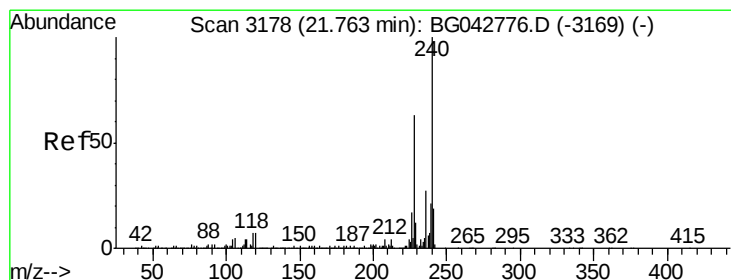
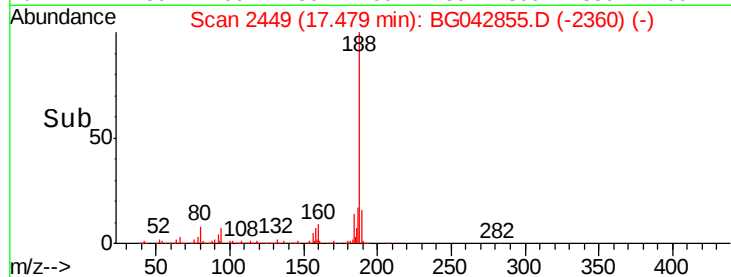
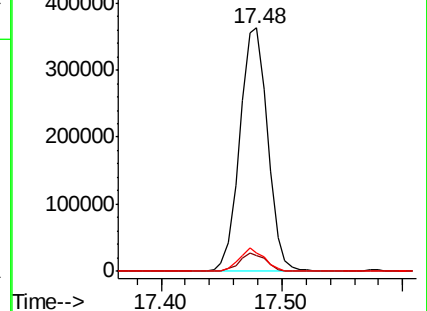
80 7.6 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

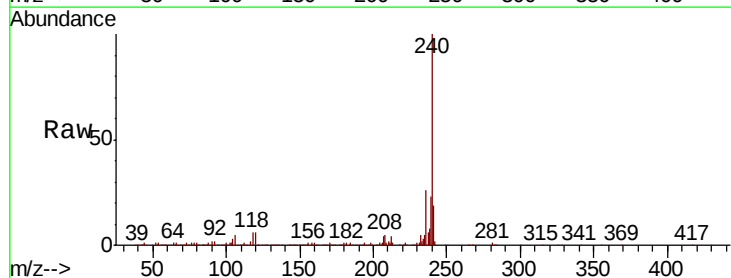
Tgt Ion:240 Resp: 572753

Ion Ratio Lower Upper

240 100

120 5.9 5.4 8.2

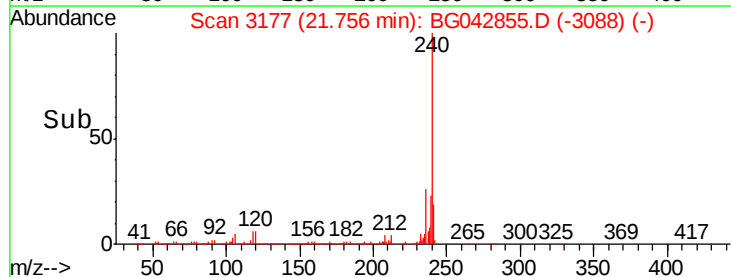
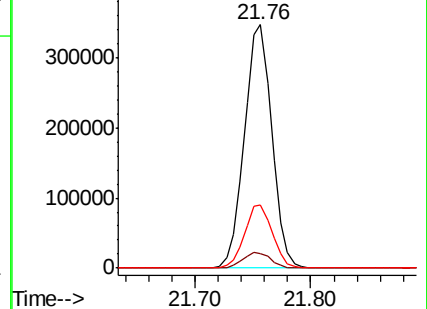
236 25.9 21.7 32.5

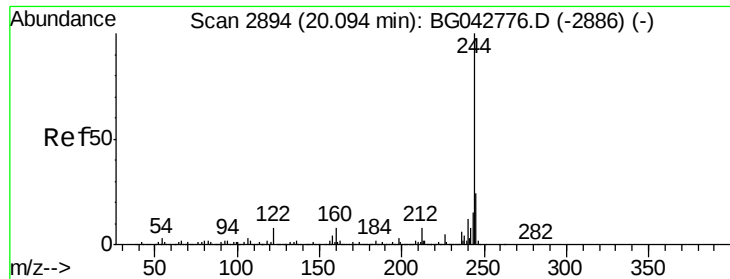


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 58.248 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

Instrument :

BNA_G

ClientSampled :

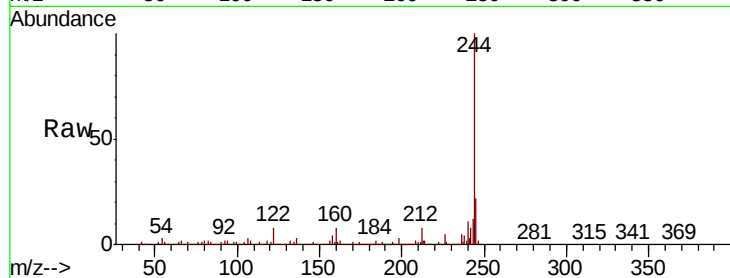
Tot Ion:244 Resp: 1505292

Ion Ratio Lower Upper

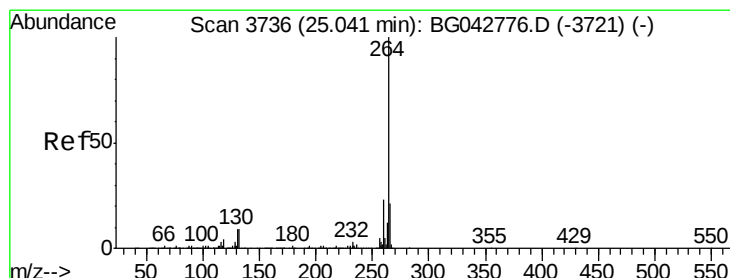
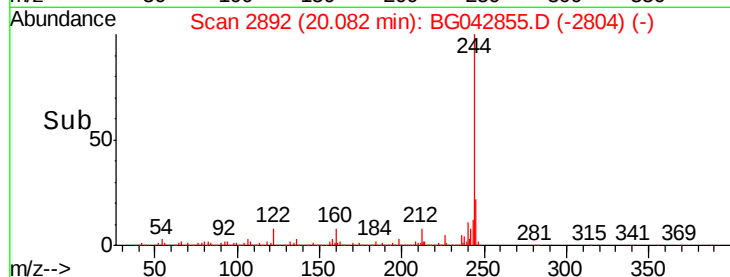
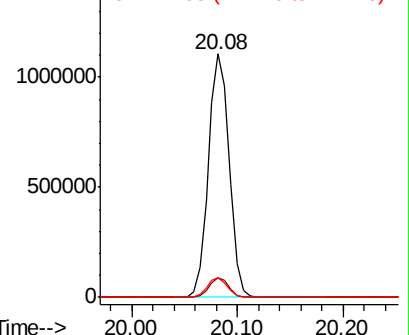
244 100

212 8.0 6.6 10.0

122 8.1 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E
1500000
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: 25.03 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BG042855.D

Acq: 16 Sep 2019 19:12

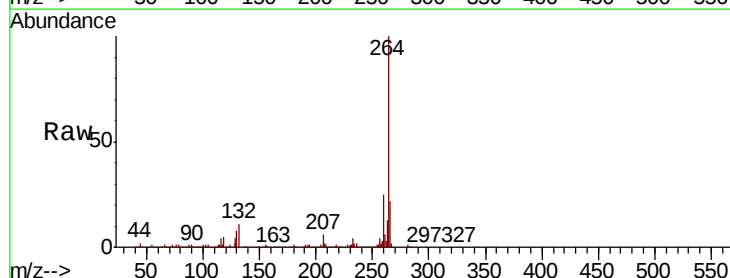
Tgt Ion:264 Resp: 625056

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 22.0 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
250000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

