

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042533.D
 Acq On : 28 Aug 2019 15:21
 Operator : HP/JU
 Sample : K4560-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 16:35:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

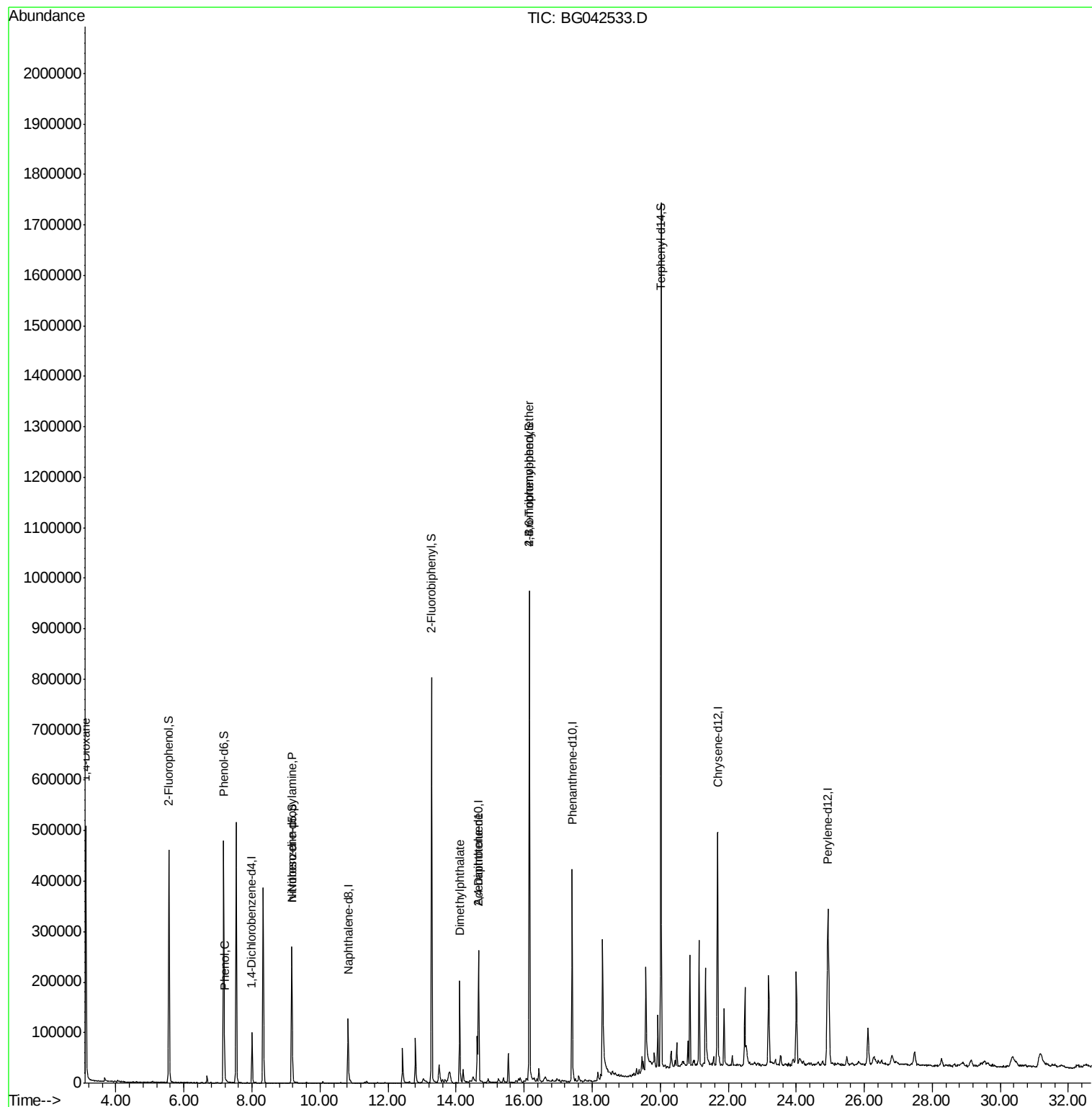
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33096	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	129936	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	107797	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	280178	20.00	ng	0.00
76) Chrysene-d12	21.69	240	296719	20.00	ng	0.00
87) Perylene-d12	24.93	264	352671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	240752	147.33	ng	0.00
7) Phenol-d6	7.17	99	329532	149.29	ng	0.00
23) Nitrobenzene-d5	9.17	82	176490	93.86	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	236791	154.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	485323	76.14	ng	0.00
79) Terphenyl-d14	20.02	244	917282	66.83	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.11	88	4815	7.061	ng	Qvalue # 1
10) Phenol	7.20	94	8214	3.660	ng	87
19) n-Nitroso-di-n-propylamine	9.17	70	22671	15.853	ng	# 75
50) Dimethylphthalate	14.10	163	155315	19.969	ng	99
57) 2,4-Dinitrotoluene	14.66	165	13531	5.241	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	16578	4.665	ng	# 1

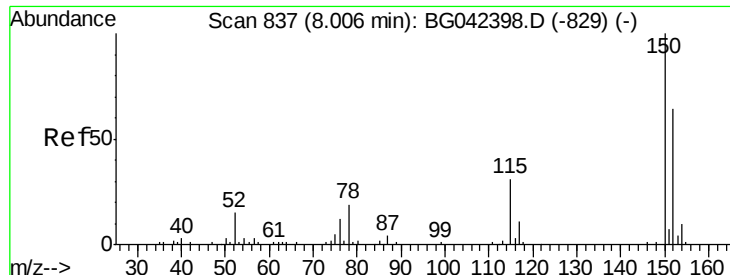
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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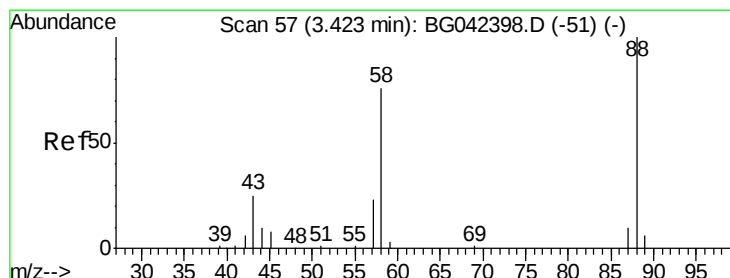
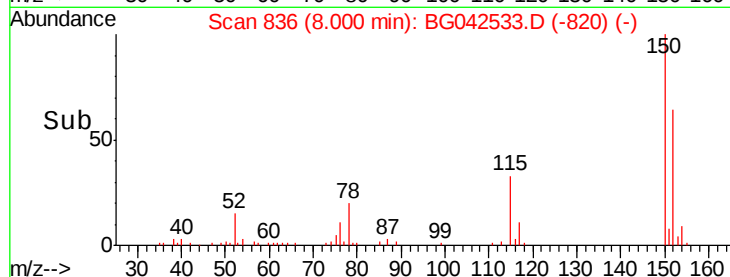
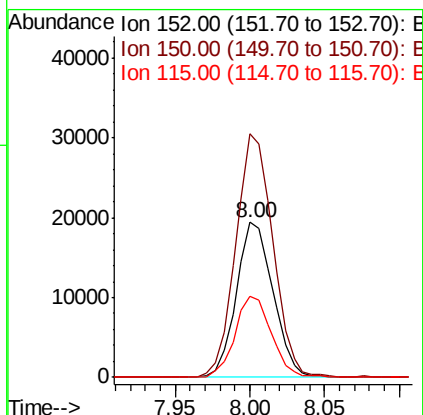
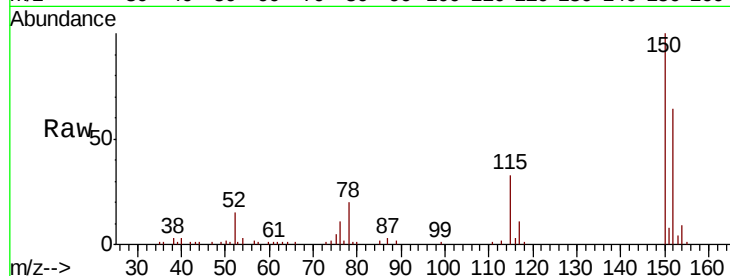


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

Instrument :
BNA_F
ClientSampleId :

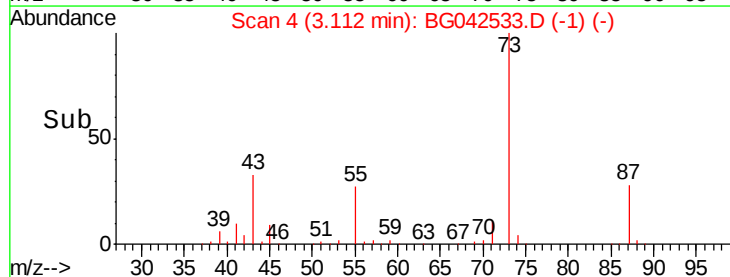
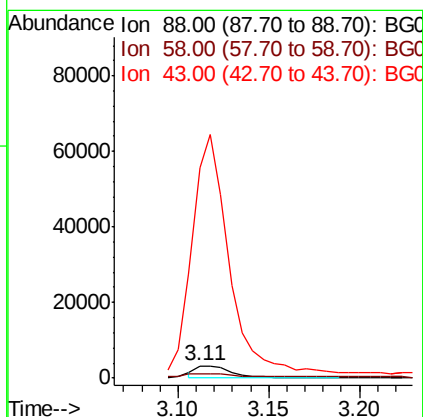
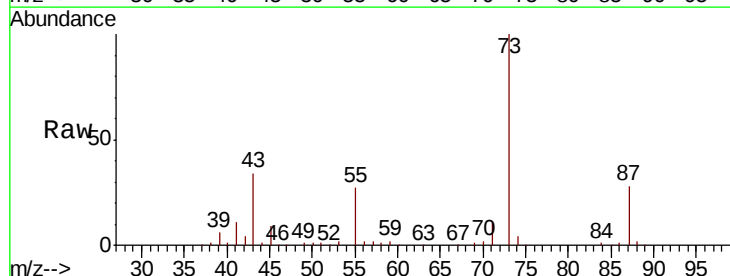
Tot Ion:152 Resp: 33096
Ion Ratio Lower Upper
152 100
150 157.0 125.4 188.0
115 52.5 38.5 57.7

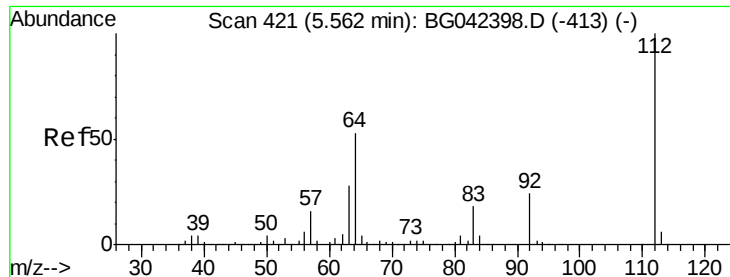


#2

1,4-Dioxane
Concen: 7.061 ng
RT: 3.11 min Scan# 4
Delta R.T. -0.31 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

Tgt Ion: 88 Resp: 4815
Ion Ratio Lower Upper
88 100
58 19.1 58.3 87.5#
43 1573.6 20.2 30.2#





#5

2-Fluorophenol

Concen: 147.327 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042533.D

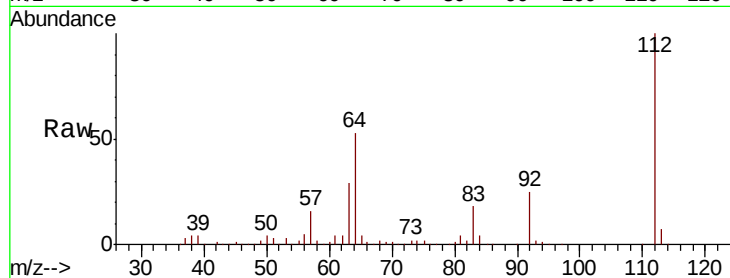
Acq: 28 Aug 2019 15:21

Instrument :

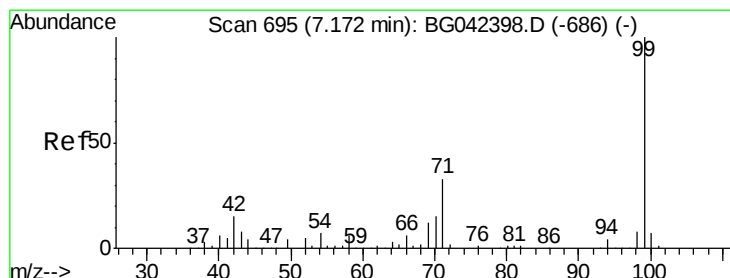
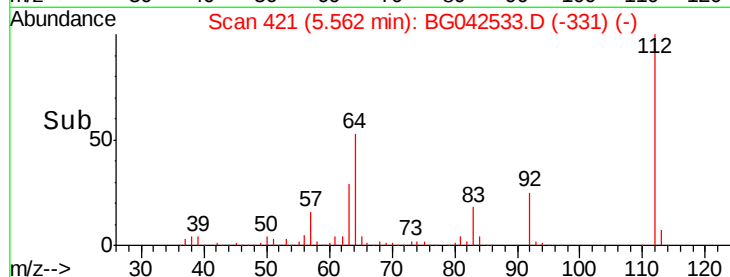
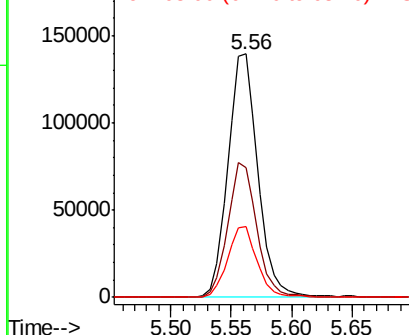
BNA_F

ClientSampled :

Tot Ion:	112	Resp:	240752
Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.8	64.2
63	29.0	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 149.289 ng

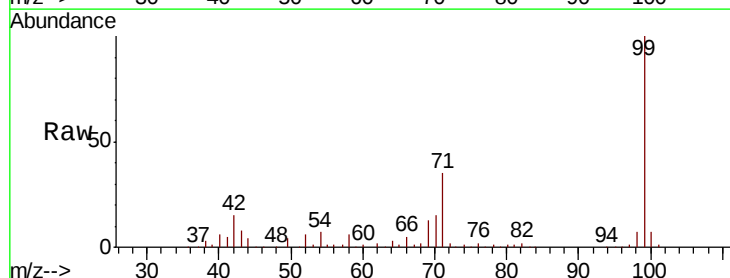
RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

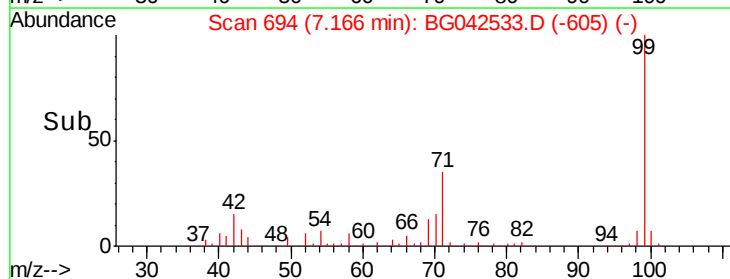
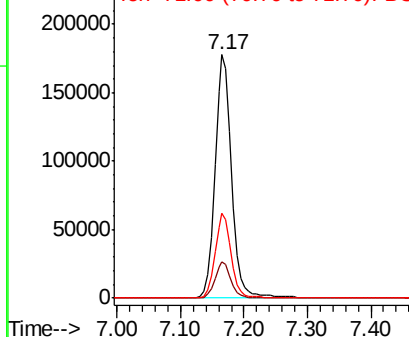
Lab File: BG042533.D

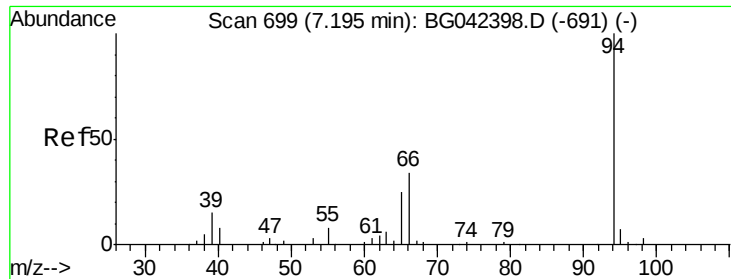
Acq: 28 Aug 2019 15:21

Tgt Ion:	99	Resp:	329532
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.0	18.0
71	34.9	26.3	39.5



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





#10

Phenol

Concen: 3.660 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

Instrument :

BNA_F

ClientSampled :

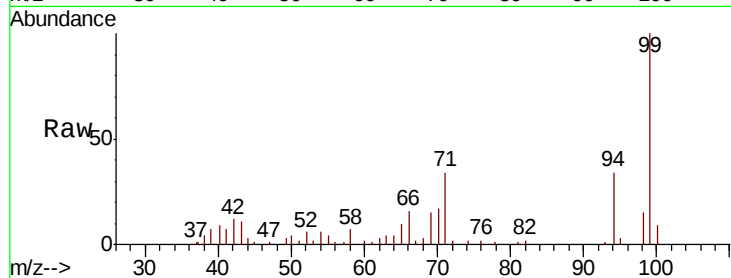
Tot Ion: 94 Resp: 8214

Ion Ratio Lower Upper

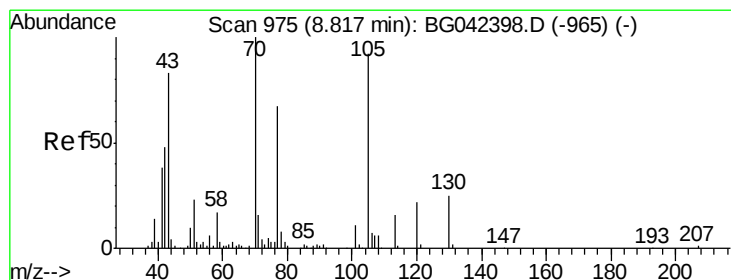
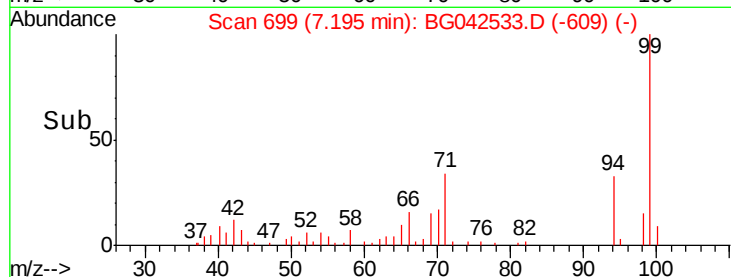
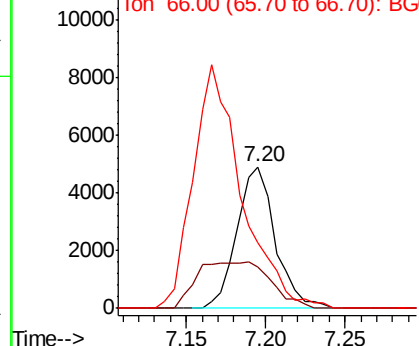
94 100

65 28.9 5.6 45.6

66 46.0 16.0 56.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.853 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

Tgt Ion: 70 Resp: 22671

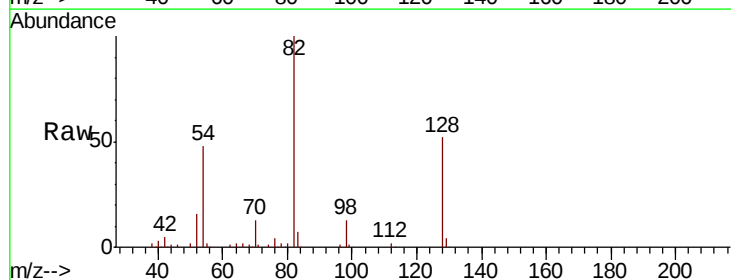
Ion Ratio Lower Upper

70 100

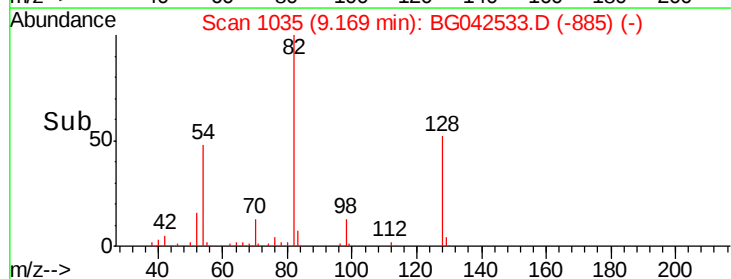
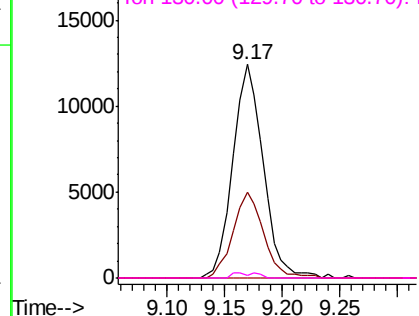
42 39.9 38.8 58.2

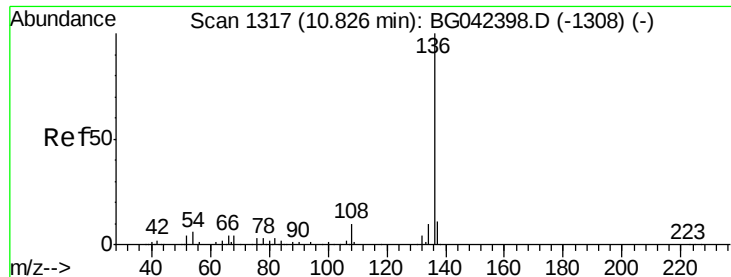
101 0.0 9.0 13.6#

130 1.4 20.0 30.0#



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

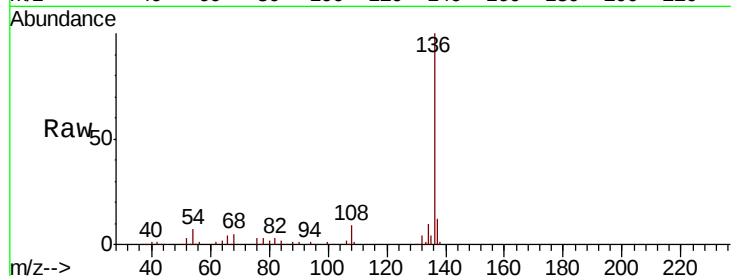




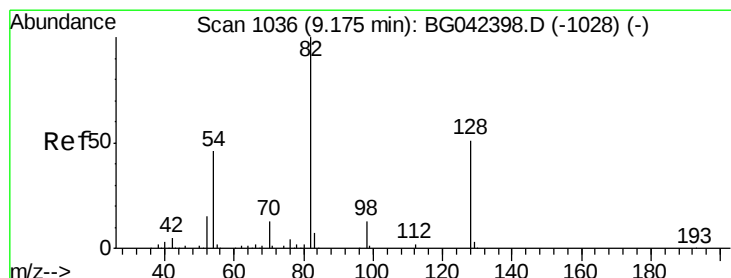
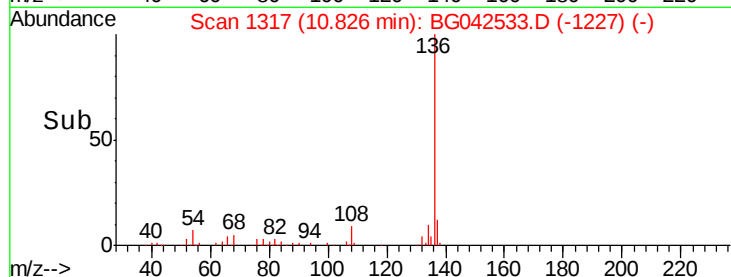
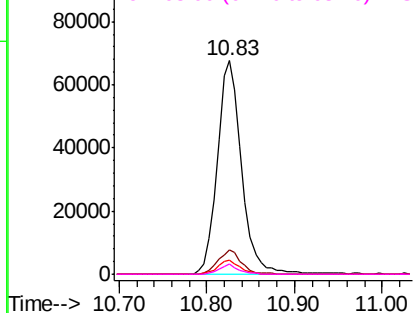
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	129936
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.7 13.1
54	6.5	4.9 7.3
68	4.7	3.6 5.4

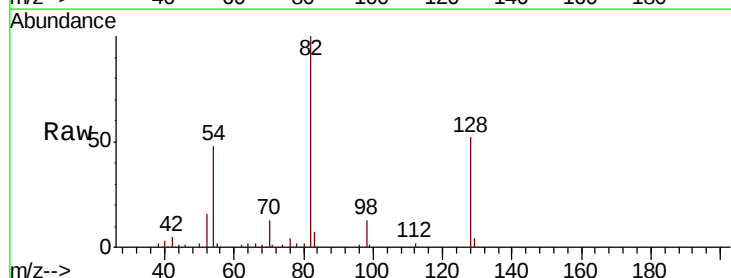


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

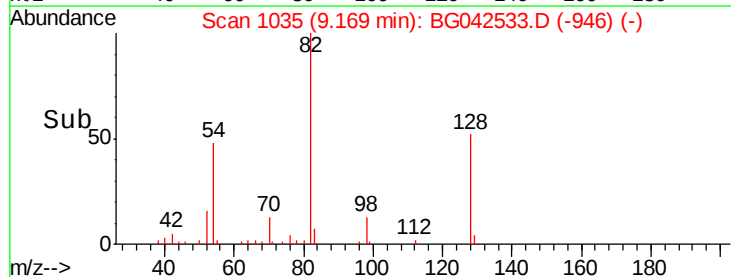
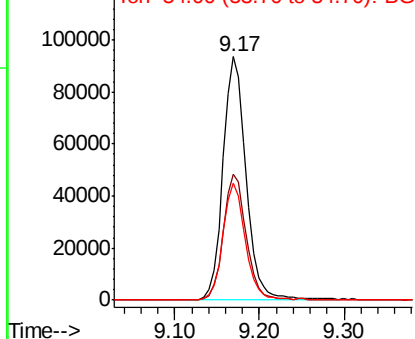


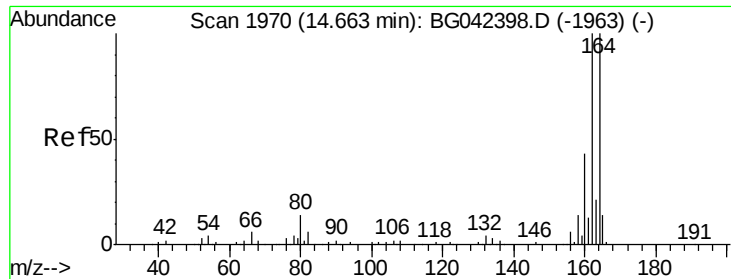
#23
Nitrobenzene-d5
Concen: 93.863 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

Tgt Ion: 82	Resp:	176490
Ion	Ratio	Lower Upper
82	100	
128	51.5	40.7 61.1
54	48.3	36.3 54.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

Instrument :

BNA_F

ClientSampleId :

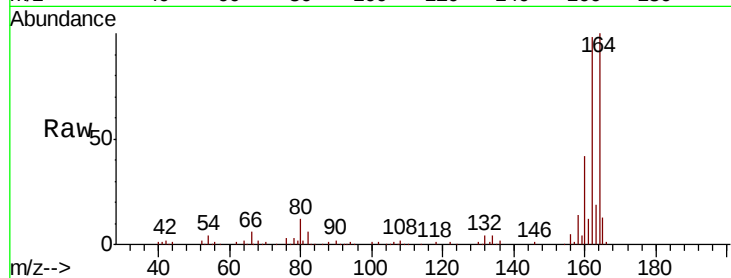
Tot Ion:164 Resp: 107797

Ion Ratio Lower Upper

164 100

162 98.1 79.9 119.9

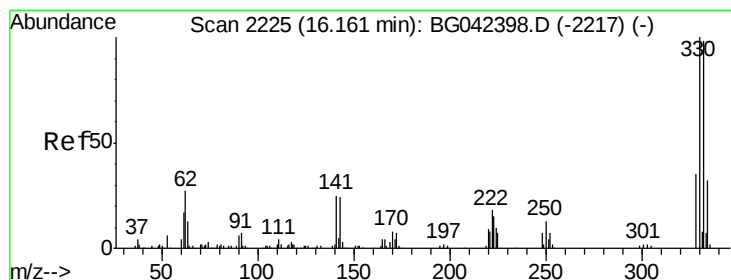
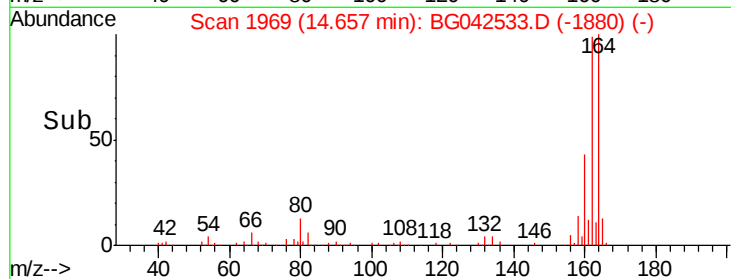
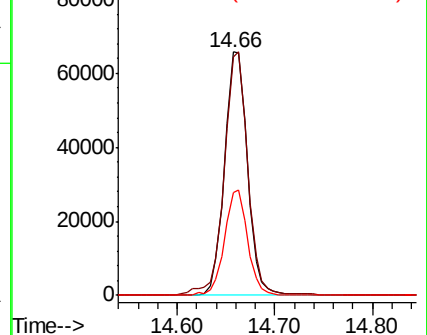
160 42.2 34.3 51.5



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: 154.547 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

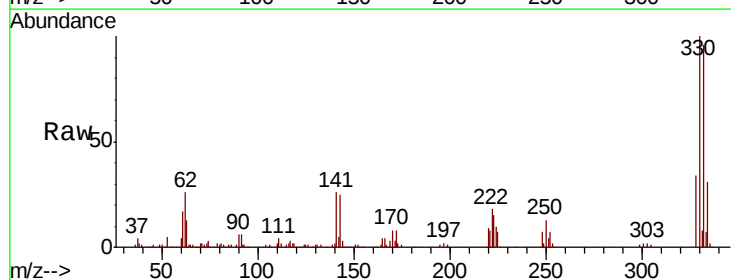
Tgt Ion:330 Resp: 236791

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

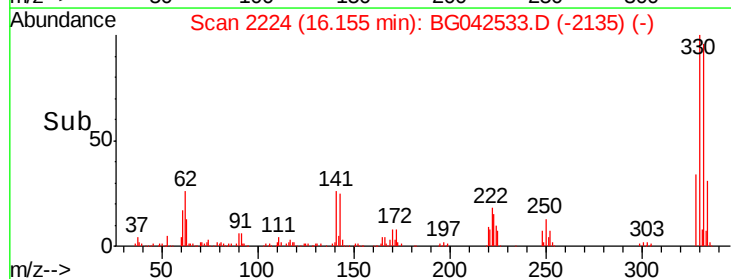
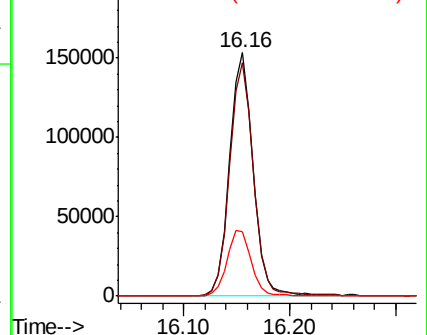
141 28.3 21.4 32.0

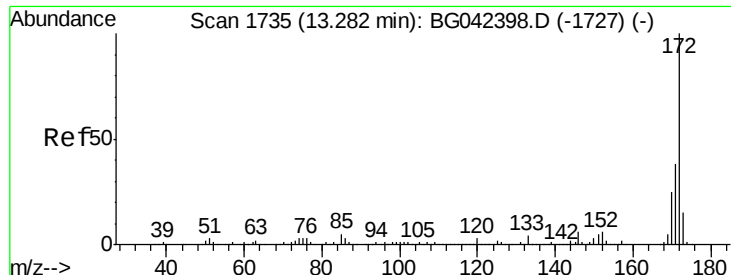


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

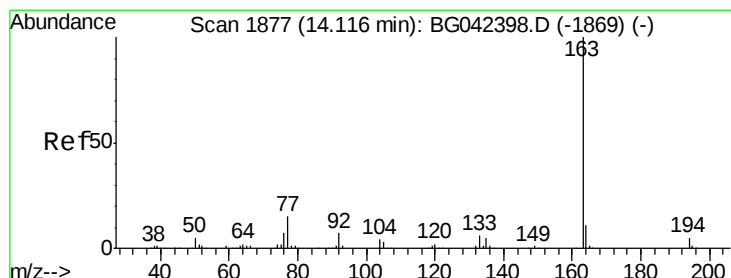
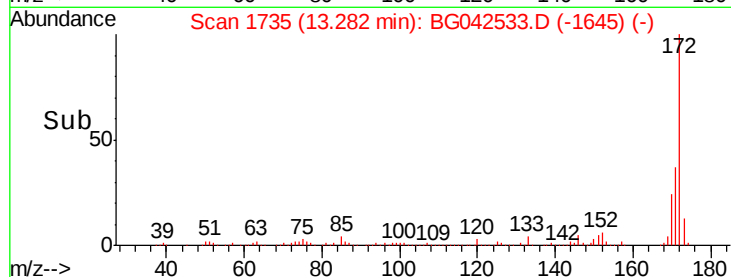
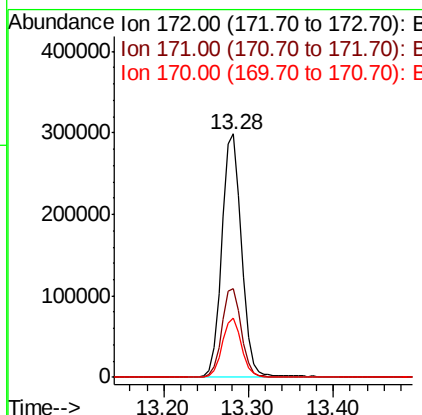
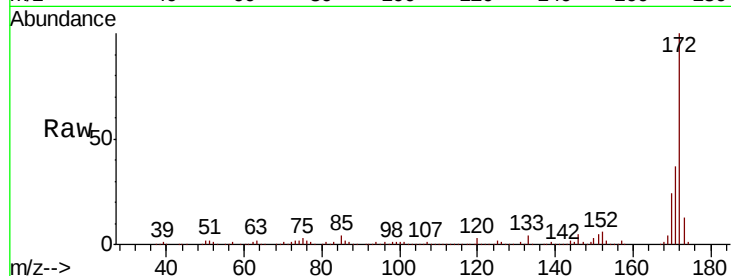




#45
2-Fluorobiphenyl
Concen: 76.145 ng
RT: 13.28 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

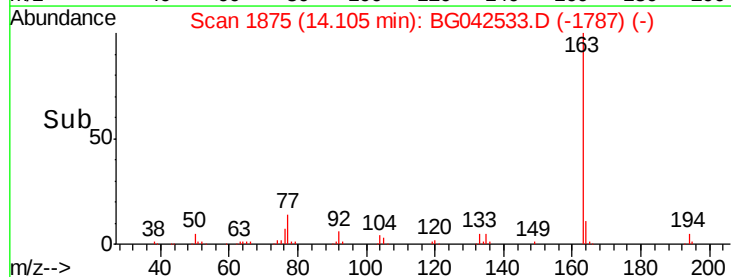
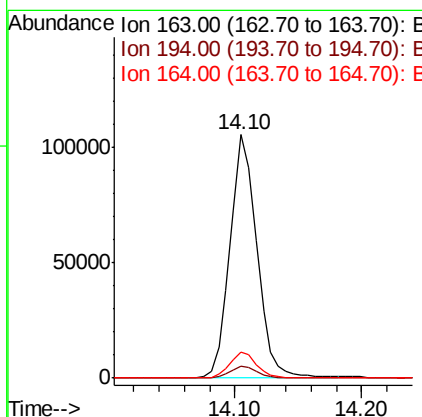
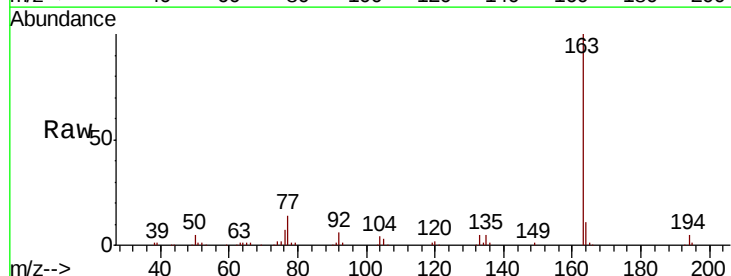
Instrument :
BNA_F
ClientSampleId :

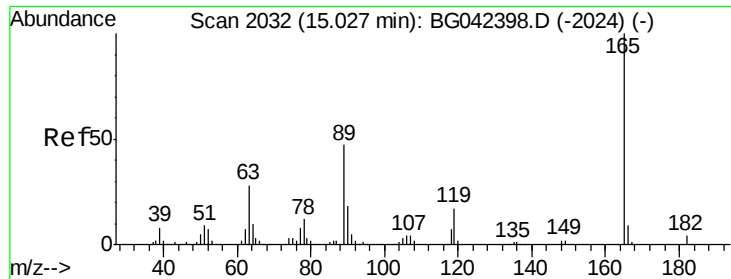
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.5	45.7
170	24.3	20.2	30.2



#50
Dimethylphthalate
Concen: 19.969 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042533.D
Acq: 28 Aug 2019 15:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.2	6.2
164	10.7	8.8	13.2

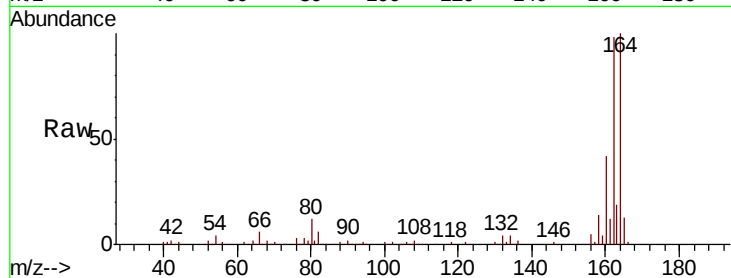




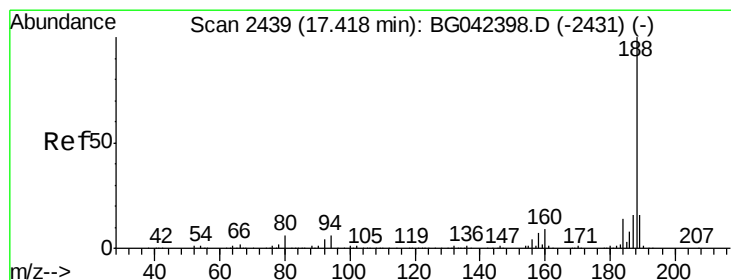
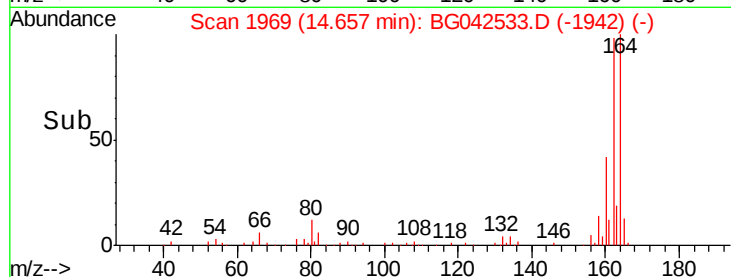
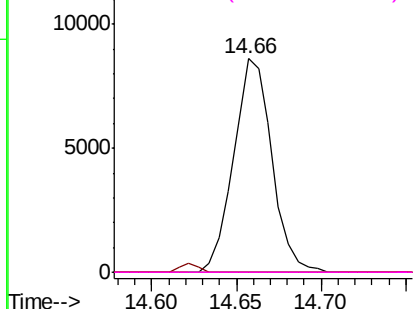
#57
 2,4-Dinitrotoluene
 Concen: 5.241 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042533.D
 Acq: 28 Aug 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13531
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.5 33.7#
89	0.0	37.8 56.6#
182	0.0	3.0 4.4#

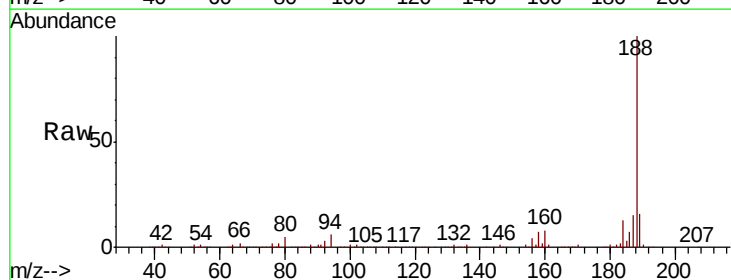


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

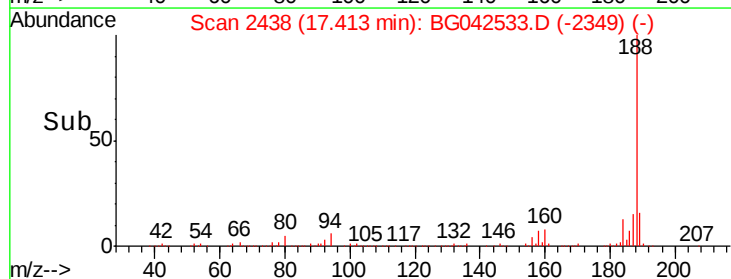
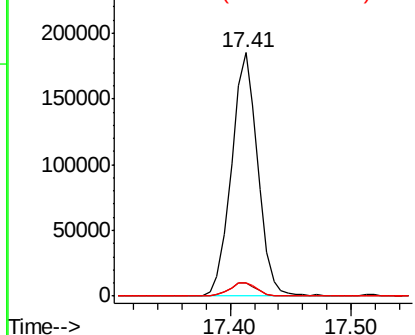


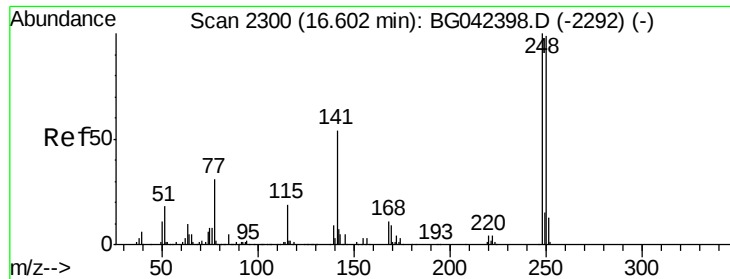
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042533.D
 Acq: 28 Aug 2019 15:21

Tgt Ion:188	Resp:	280178
Ion Ratio	Lower	Upper
188	100	
94	5.6	4.5 6.7
80	5.4	4.9 7.3



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

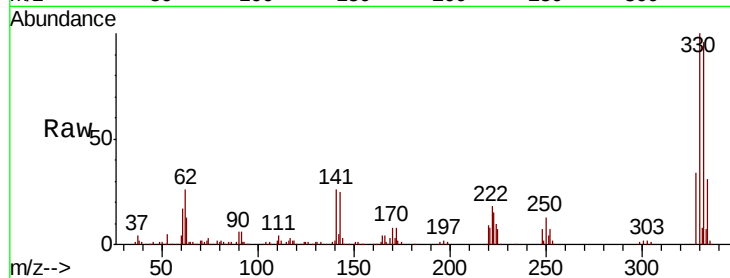




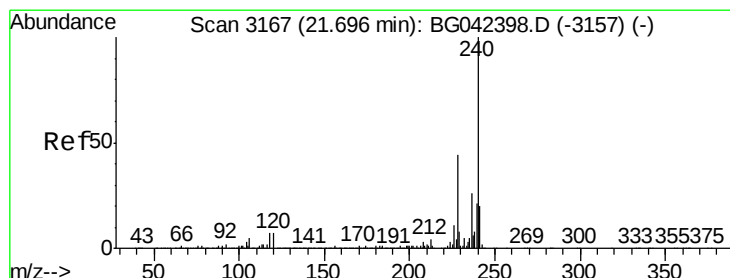
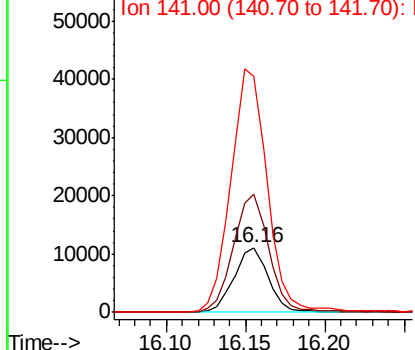
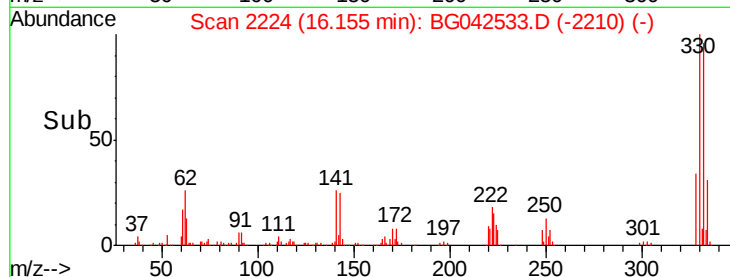
#67
 4-Bromophenyl-phenylether
 Concen: 4.665 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042533.D
 Acq: 28 Aug 2019 15:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16578
 Ion Ratio Lower Upper
 248 100
 250 183.7 78.9 118.3#
 141 366.7 43.3 64.9#

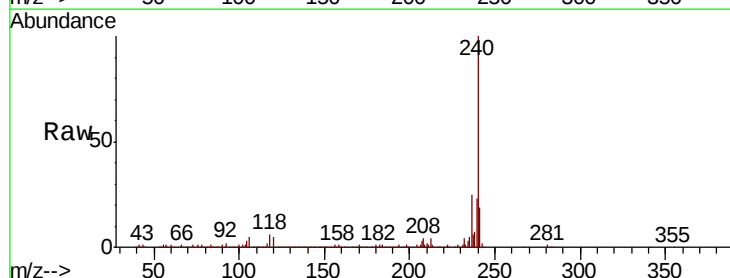


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

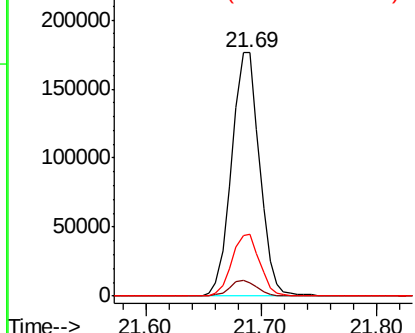
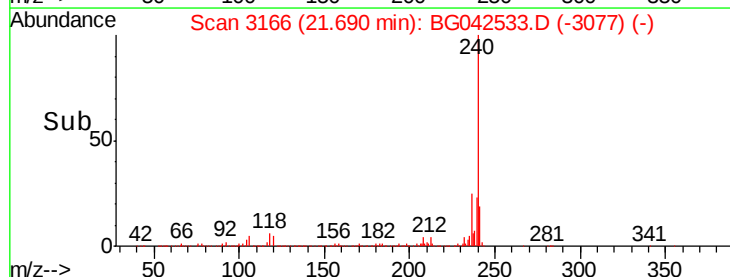


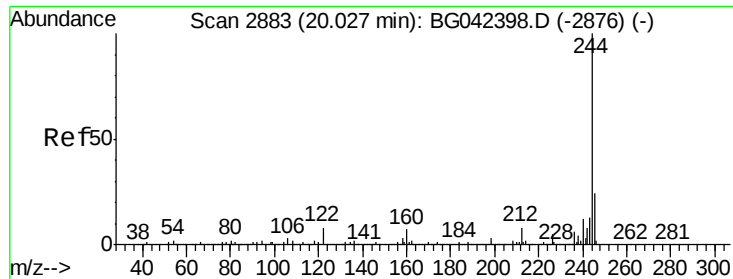
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042533.D
 Acq: 28 Aug 2019 15:21

Tgt Ion:240 Resp: 296719
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.7 8.5#
 236 25.3 21.0 31.4



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: 66.834 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

Instrument :

BNA_F

ClientSampleId :

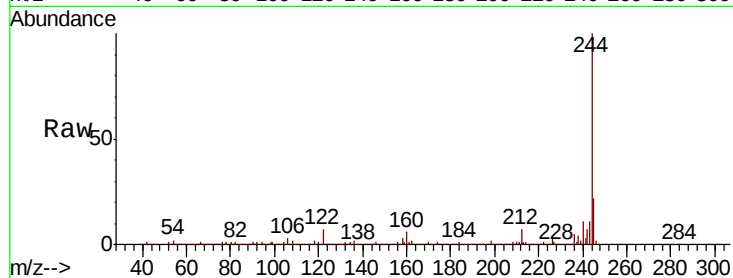
Tot Ion:244 Resp: 917282

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

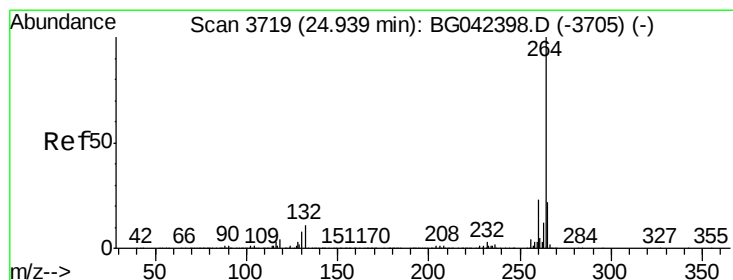
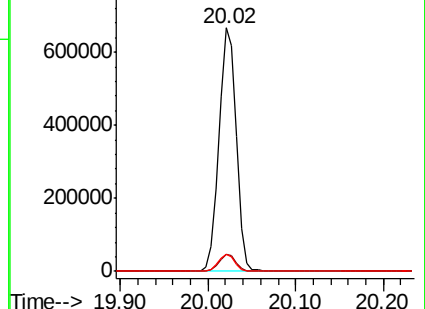
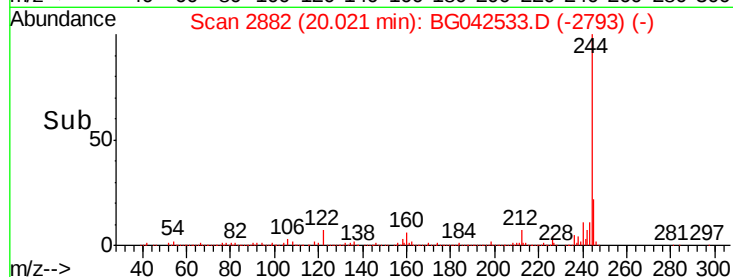
122 7.1 6.7 10.1



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: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042533.D

Acq: 28 Aug 2019 15:21

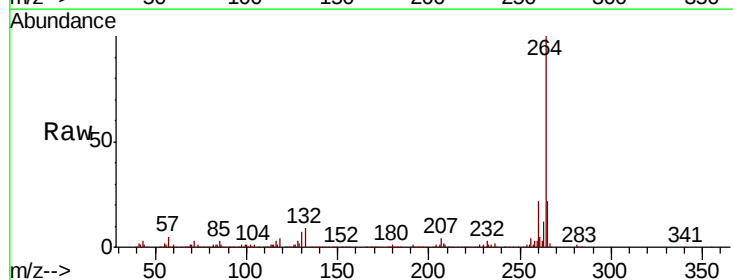
Tgt Ion:264 Resp: 352671

Ion Ratio Lower Upper

264 100

260 22.4 18.5 27.7

265 22.1 17.6 26.4



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

