

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042514.D
 Acq On : 27 Aug 2019 21:26
 Operator : HP/JU
 Sample : K4551-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 01:29:11 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

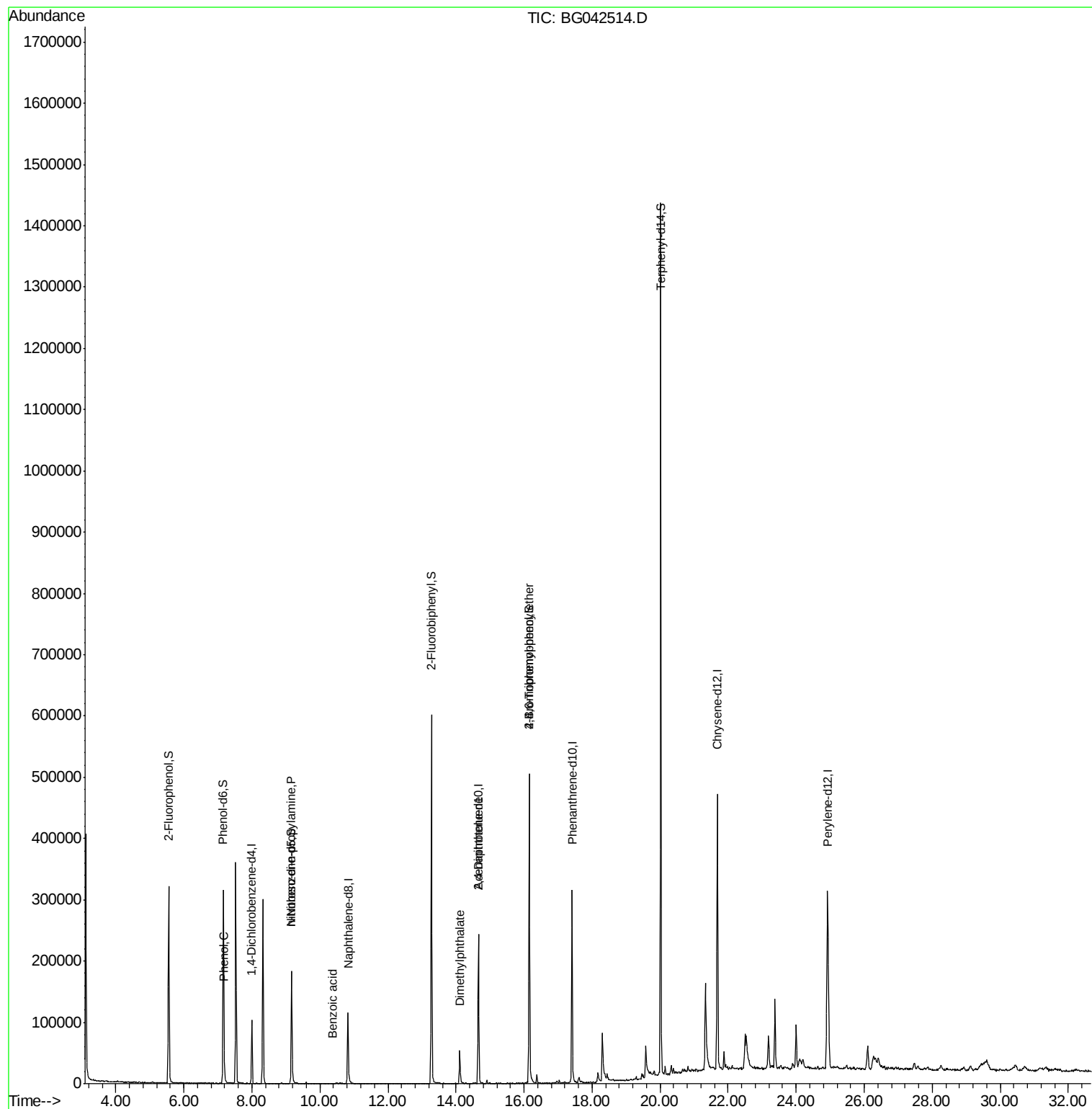
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	35025	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	133012	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	97386	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	227523	20.00	ng	0.00
76) Chrysene-d12	21.69	240	292027	20.00	ng	0.00
87) Perylene-d12	24.92	264	345452	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	170905	98.82	ng	0.00
7) Phenol-d6	7.16	99	227788	97.51	ng	0.00
23) Nitrobenzene-d5	9.17	82	128566	66.79	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	139197	100.56	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	389311	67.61	ng	0.00
79) Terphenyl-d14	20.02	244	750344	55.55	ng	0.00
Target Compounds						
10) Phenol	7.19	94	7034	2.962	ng	# 68
19) n-Nitroso-di-n-propylamine	9.17	70	16350	10.804	ng	# 76
32) Benzoic acid	10.38	122	53	8.205	ng	# 21
50) Dimethylphthalate	14.11	163	58568	8.335	ng	95
57) 2,4-Dinitrotoluene	14.66	165	12557	5.384	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	9447	3.273	ng	# 1

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

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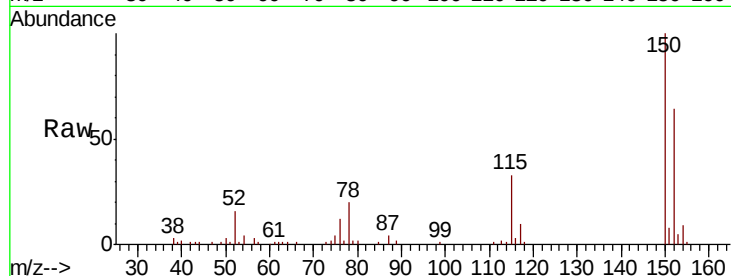


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042514.D
Acq: 27 Aug 2019 21:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.4	188.0
115	51.1	38.5	57.7

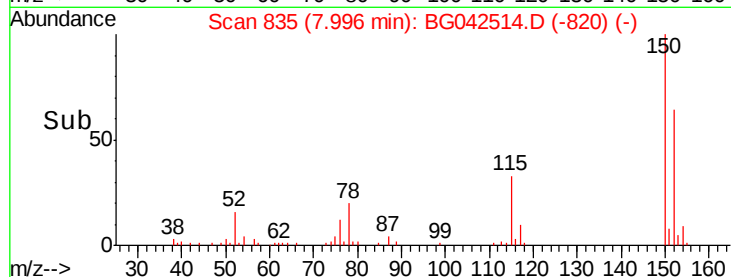
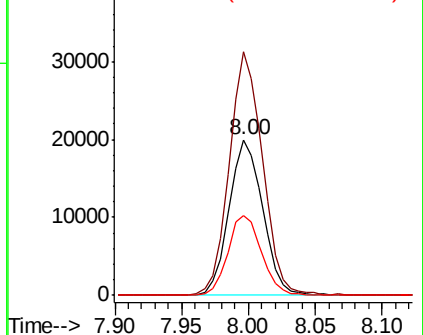


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

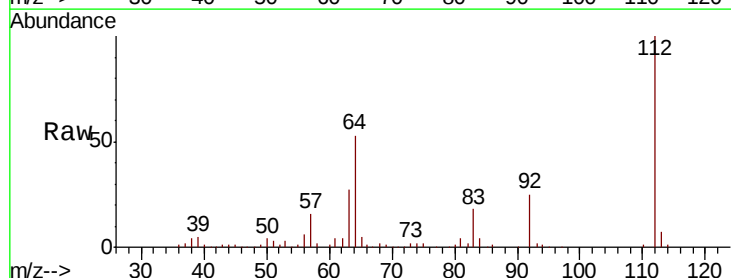
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.824 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042514.D
Acq: 27 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.8	64.2
63	27.2	22.7	34.1

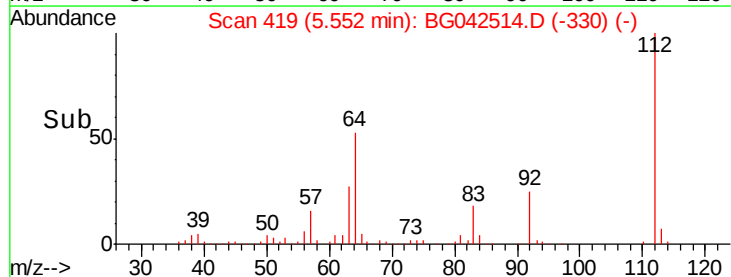
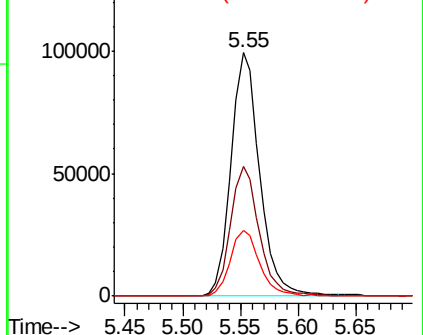


Abundance

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: 97.512 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

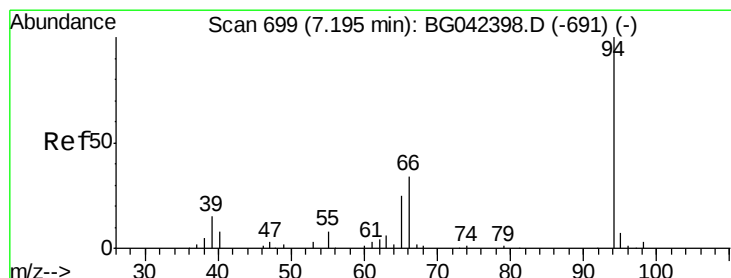
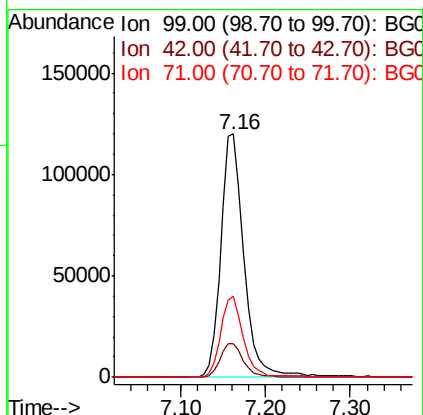
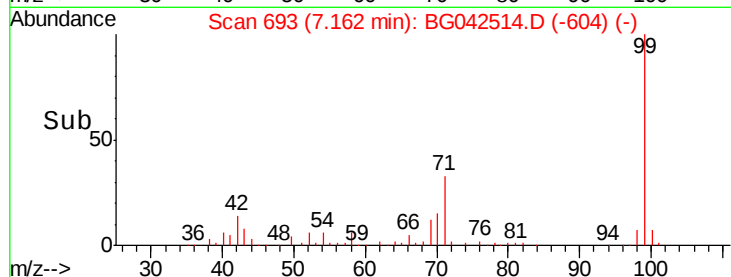
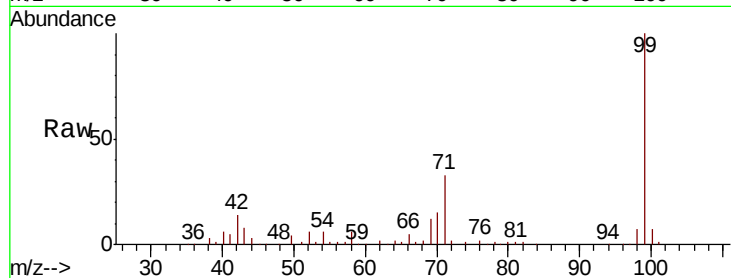
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 227788

Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.0	18.0
71	33.3	26.3	39.5



#10

Phenol

Concen: 2.962 ng

RT: 7.19 min Scan# 697

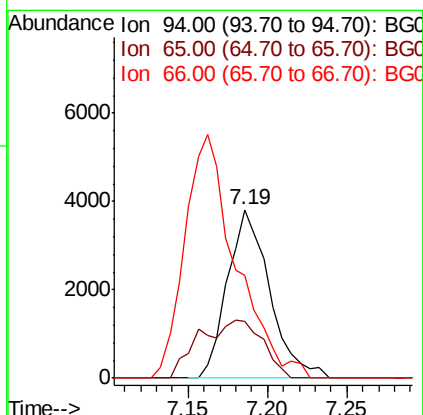
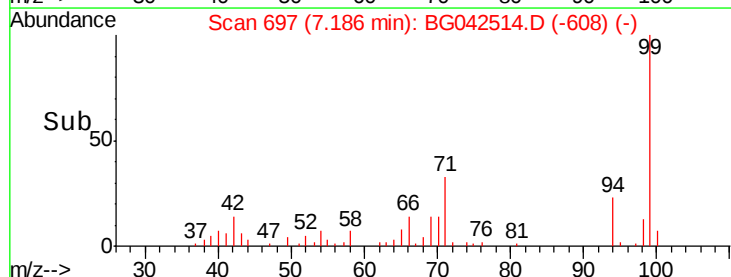
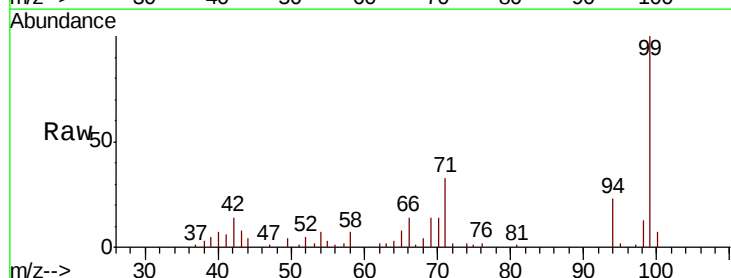
Delta R.T. -0.01 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Tgt Ion: 94 Resp: 7034

Ion	Ratio	Lower	Upper
94	100		
65	33.4	5.6	45.6
66	61.3	16.0	56.0





#19

n-Nitroso-di-n-propylamine

Concen: 10.804 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 16350

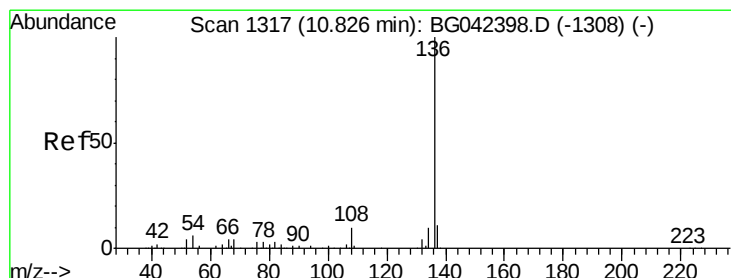
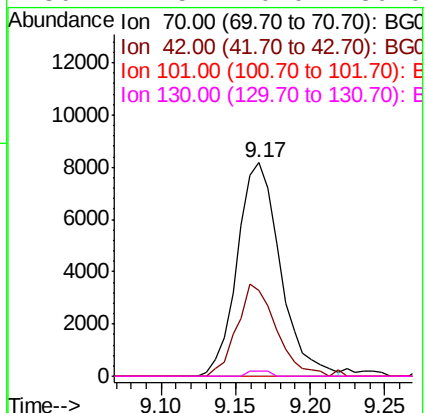
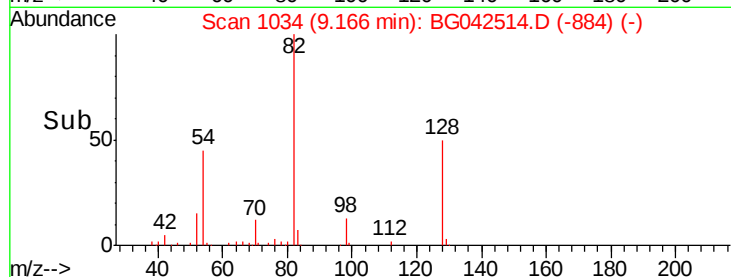
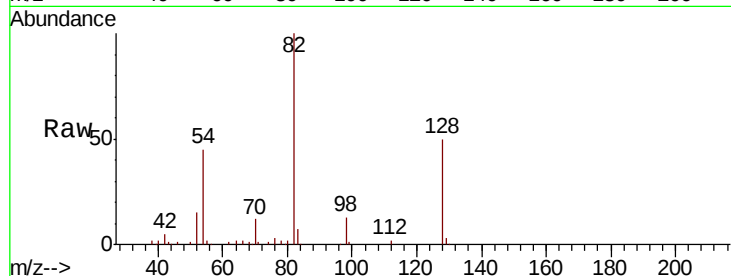
Ion Ratio Lower Upper

70 100

42 40.4 38.8 58.2

101 0.0 9.0 13.6#

130 2.5 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Tgt Ion: 136 Resp: 133012

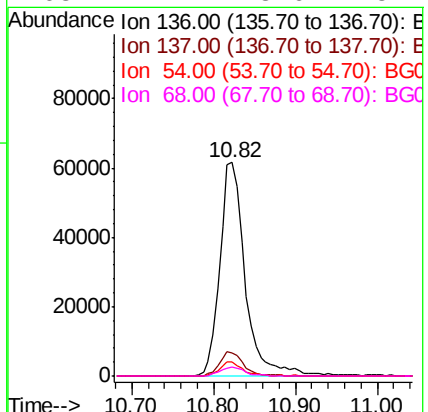
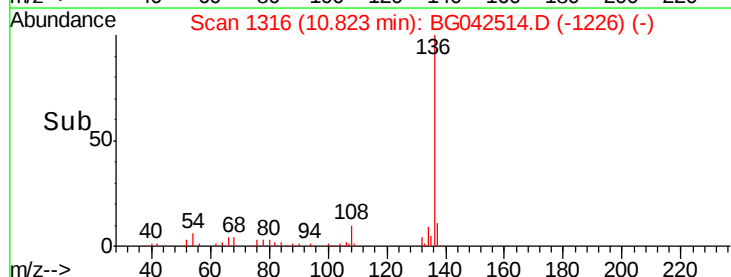
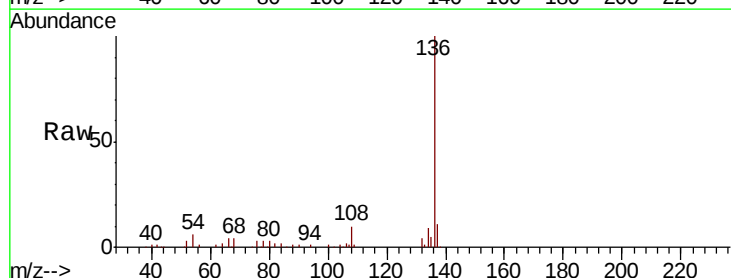
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.5 4.9 7.3

68 4.4 3.6 5.4

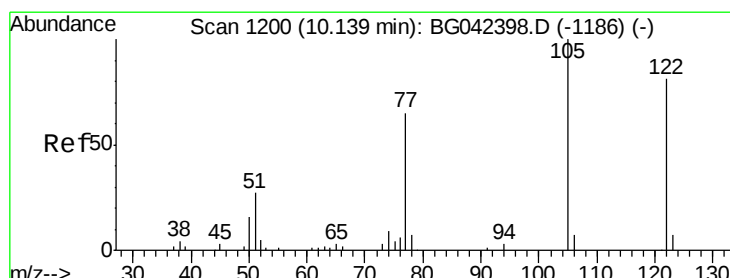
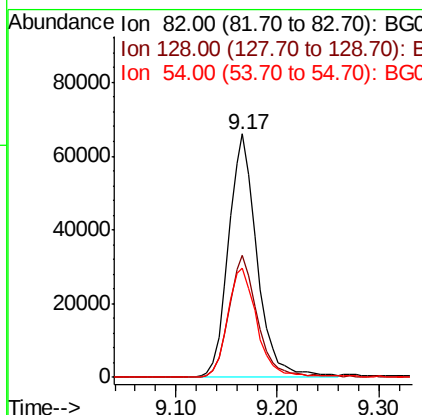
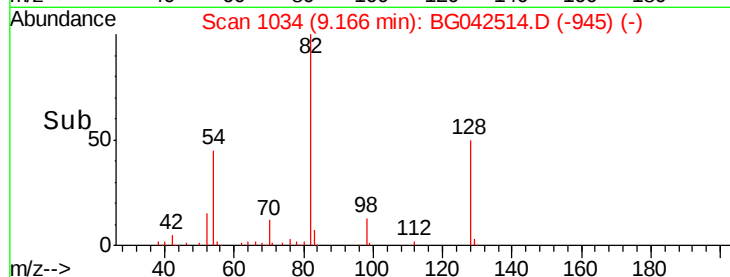
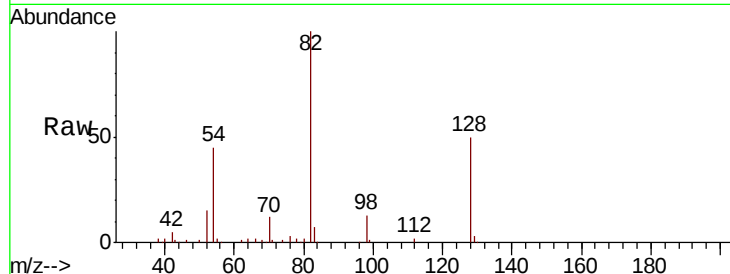




#23
 Nitrobenzene-d5
 Concen: 66.794 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042514.D
 Acq: 27 Aug 2019 21:26

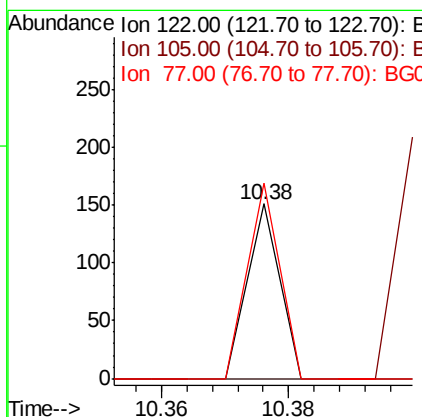
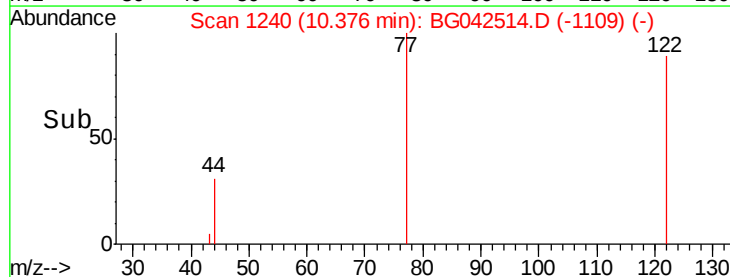
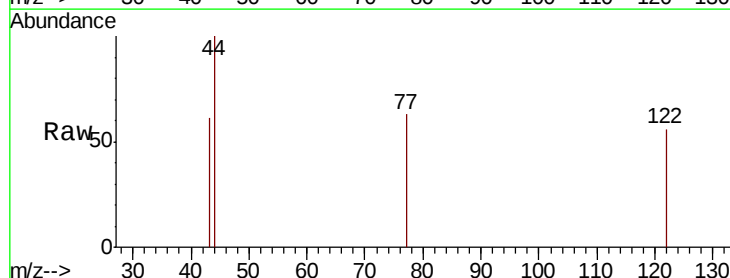
Instrument :
 BNA_G
 ClientSampleId :

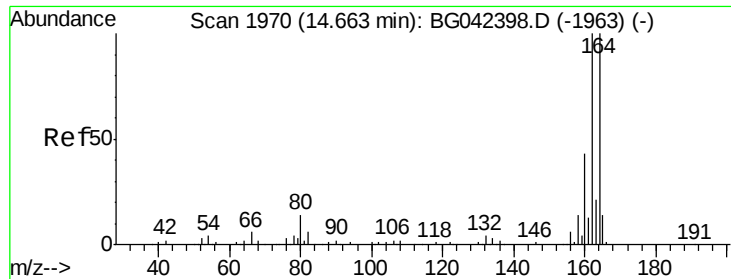
Tot Ion	82	Resp	128	566
Ion Ratio	100			
Lower		40.7		
Upper		61.1		
54	45.0		36.3	54.5



#32
 Benzoic acid
 Concen: 8.205 ng
 RT: 10.38 min Scan# 1240
 Delta R.T. 0.24 min
 Lab File: BG042514.D
 Acq: 27 Aug 2019 21:26

Tgt Ion	122	Resp	53
Ion Ratio	100		
Lower		99.6	139.6#
Upper		99.5	99.5#
105	0.0		
77	111.9		





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

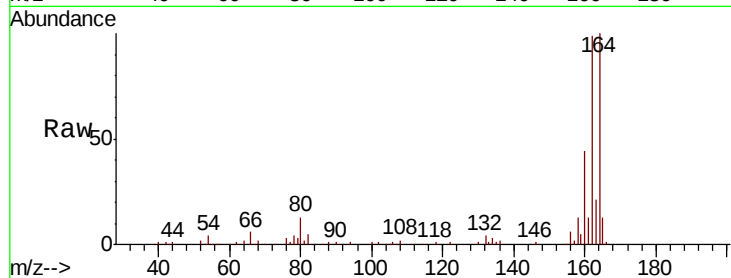
Tot Ion:164 Resp: 97386

Ion Ratio Lower Upper

164 100

162 98.9 79.9 119.9

160 43.9 34.3 51.5

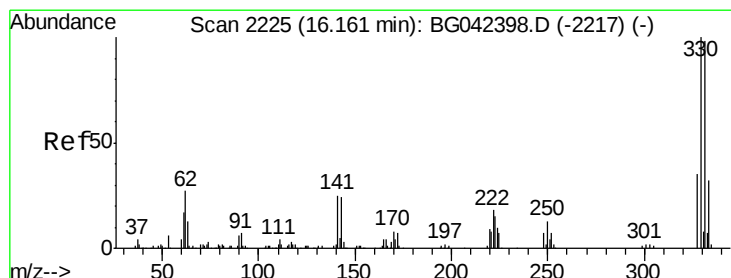
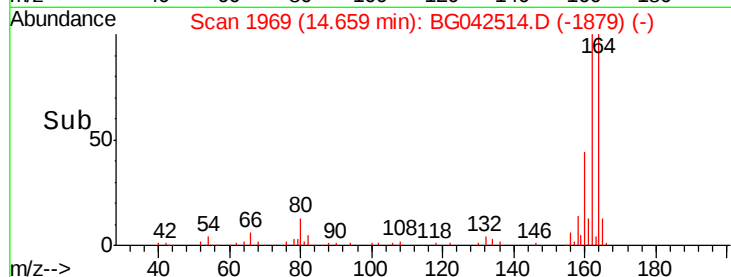
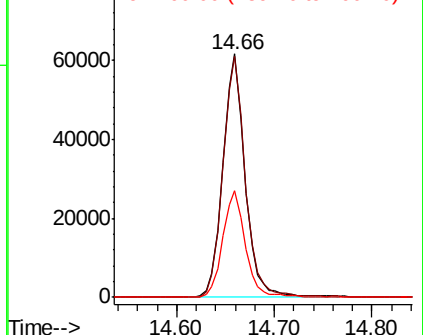


Abundance

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: 100.563 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

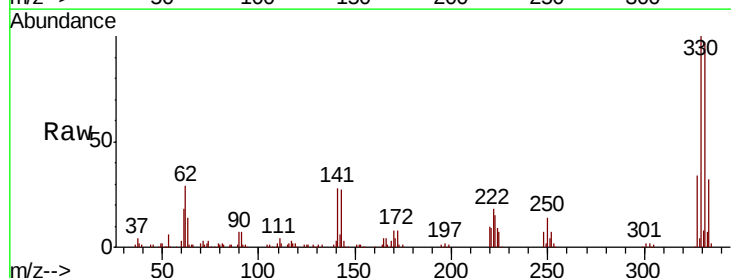
Tgt Ion:330 Resp: 139197

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 28.5 21.4 32.0

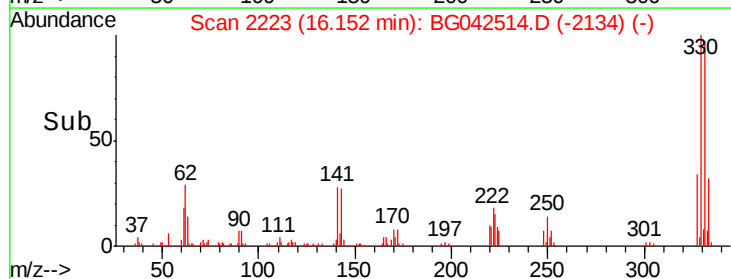
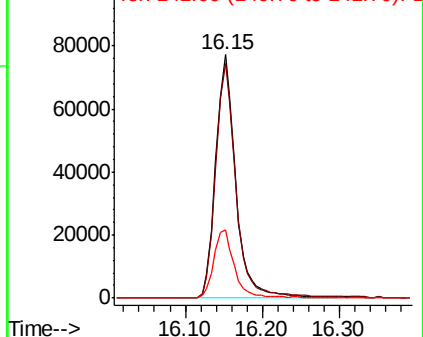


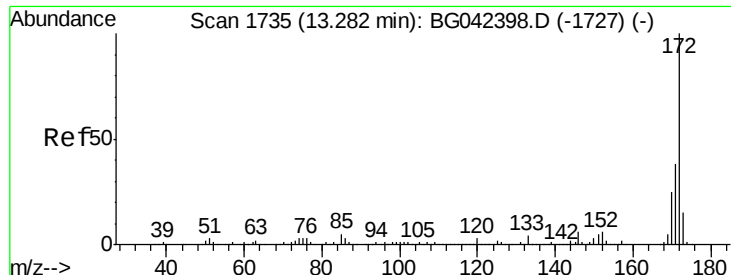
Abundance

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

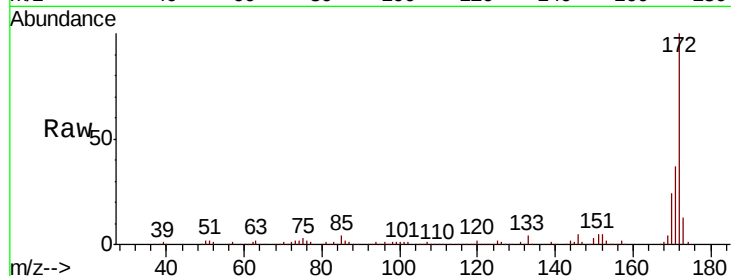




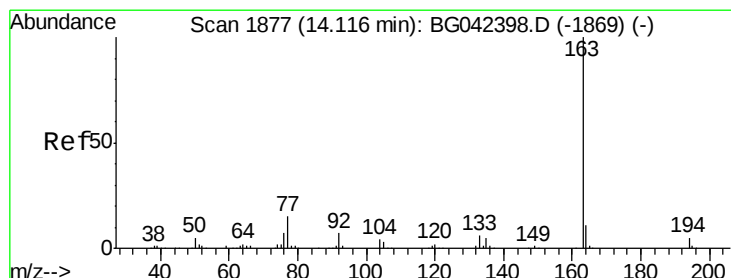
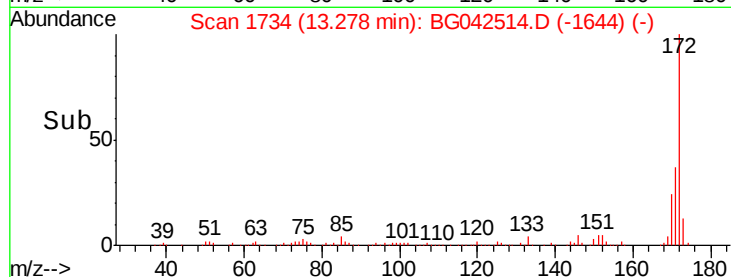
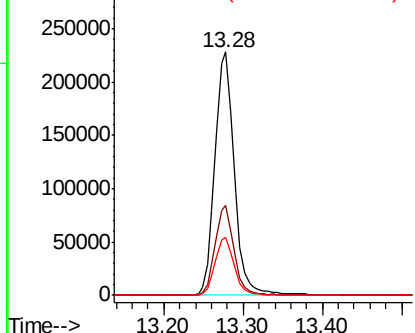
#45
2-Fluorobiphenyl
Concen: 67.611 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042514.D
Acq: 27 Aug 2019 21:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 389311
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 23.7 20.2 30.2

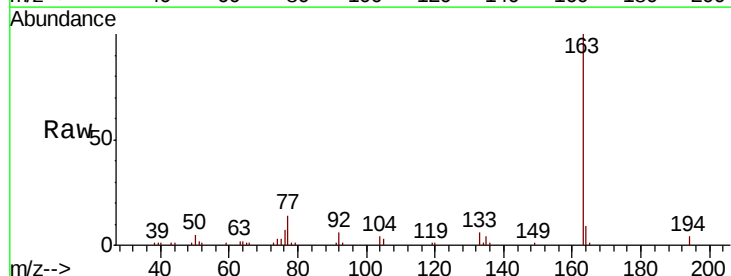


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

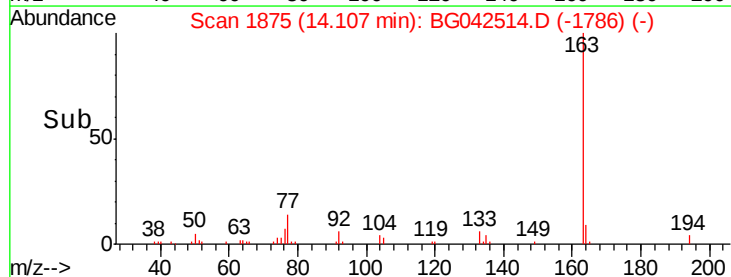
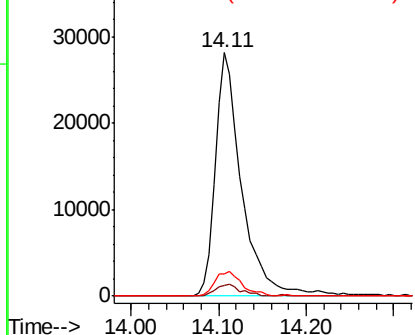


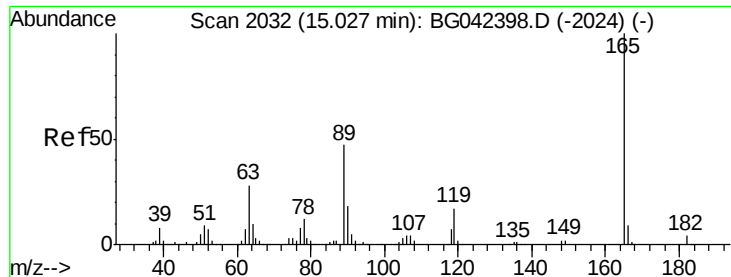
#50
Dimethylphthalate
Concen: 8.335 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042514.D
Acq: 27 Aug 2019 21:26

Tgt Ion:163 Resp: 58568
Ion Ratio Lower Upper
163 100
194 4.2 4.2 6.2
164 9.0 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

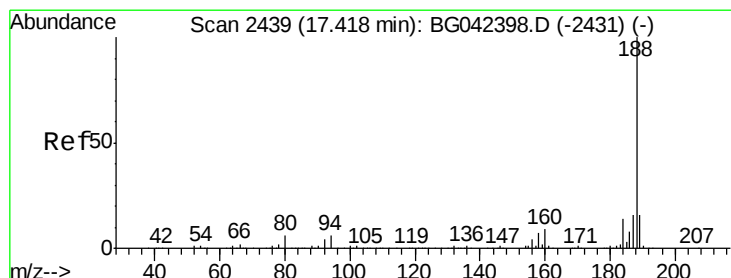
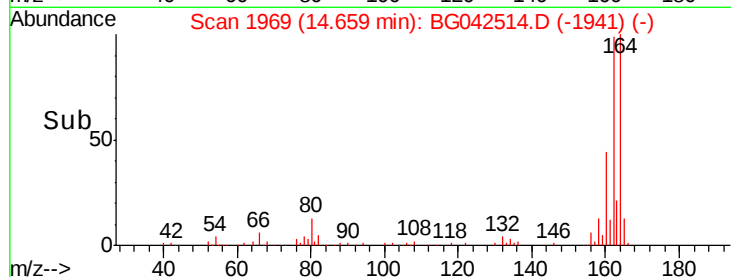
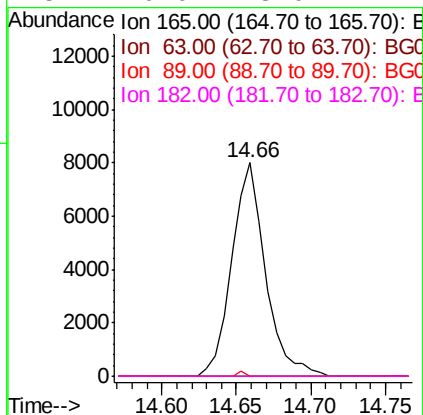
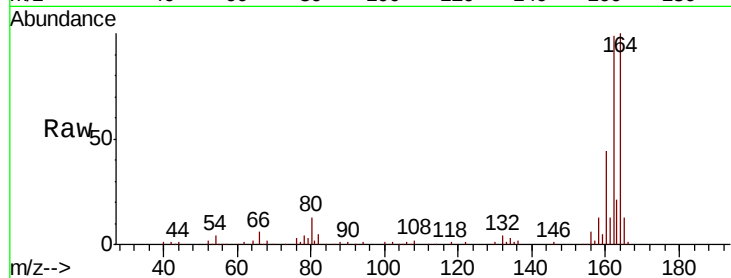




#57
 2,4-Dinitrotoluene
 Concen: 5.384 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042514.D
 Acq: 27 Aug 2019 21:26

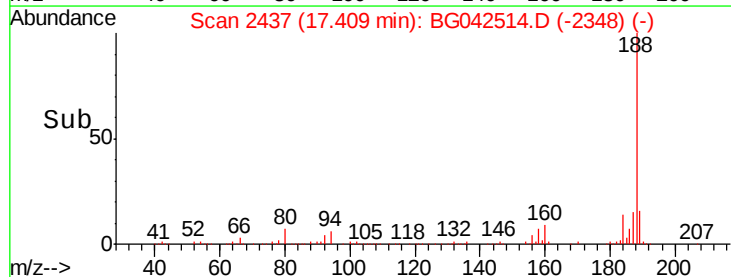
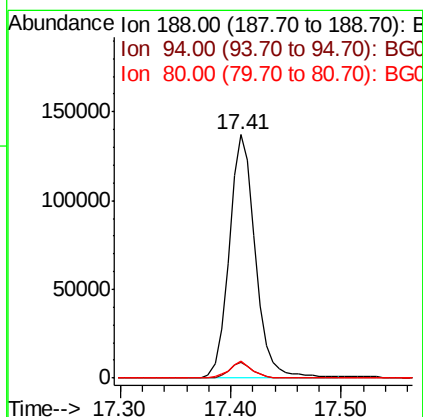
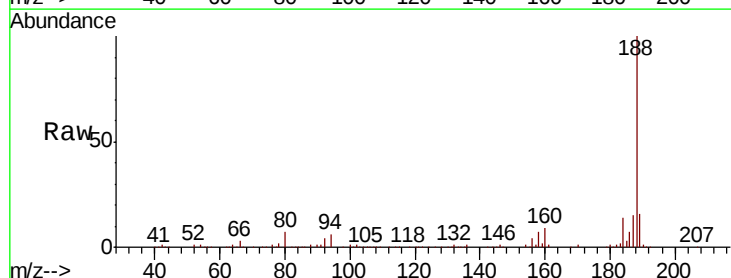
Instrument :
 BNA_G
 ClientSampleId :

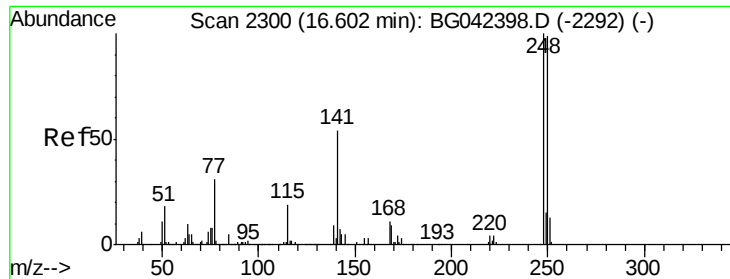
Tot Ion:	165	Resp:	12557
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042514.D
 Acq: 27 Aug 2019 21:26

Tgt Ion:	188	Resp:	227523
Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.5	6.7
80	6.8	4.9	7.3





#67

4-Bromophenyl-phenylether

Concen: 3.273 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

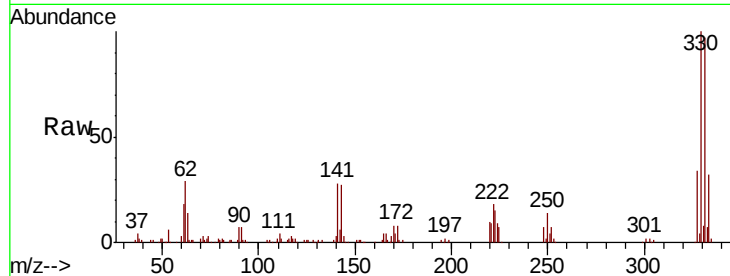
Tot Ion:248 Resp: 9447

Ion Ratio Lower Upper

248 100

250 183.5 78.9 118.3#

141 377.5 43.3 64.9#

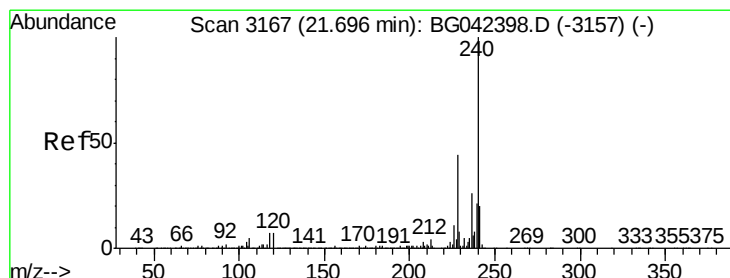
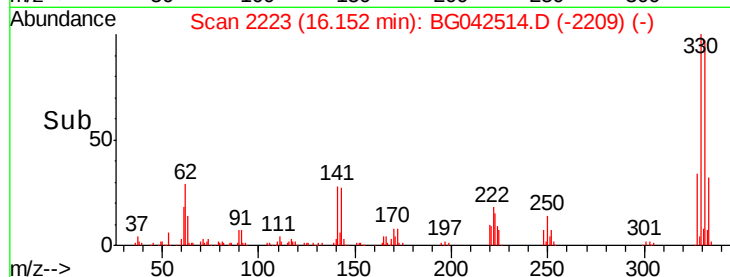
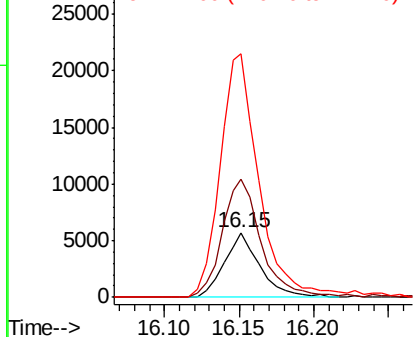


Abundance

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# 3165

Delta R.T. -0.01 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

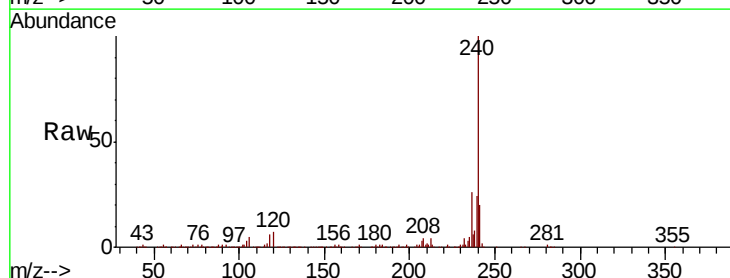
Tgt Ion:240 Resp: 292027

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

236 26.2 21.0 31.4

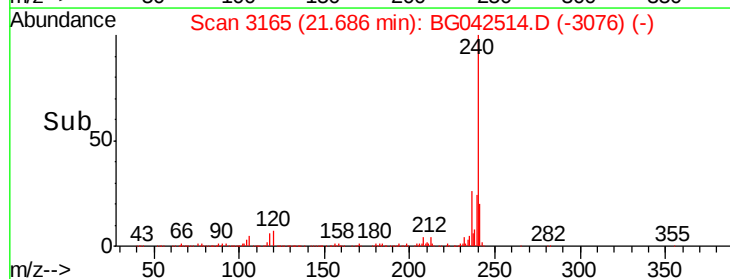
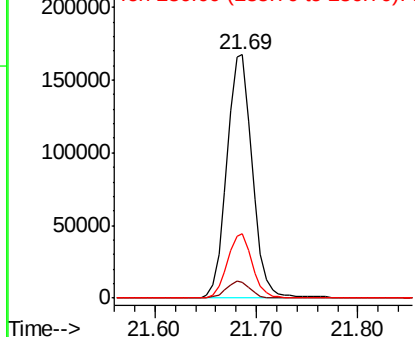


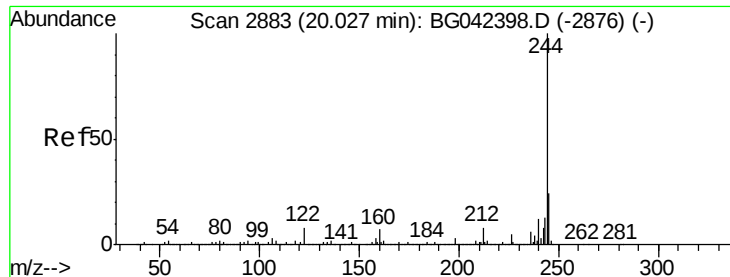
Abundance

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: 55.549 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

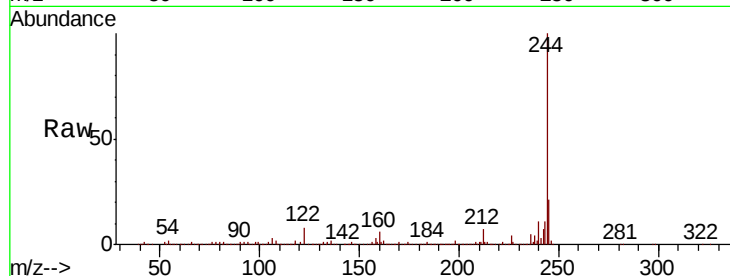
Tot Ion:244 Resp: 750344

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

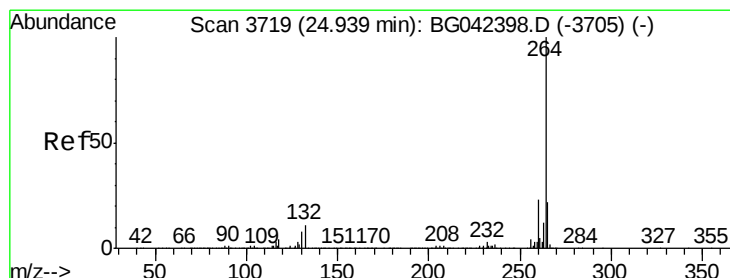
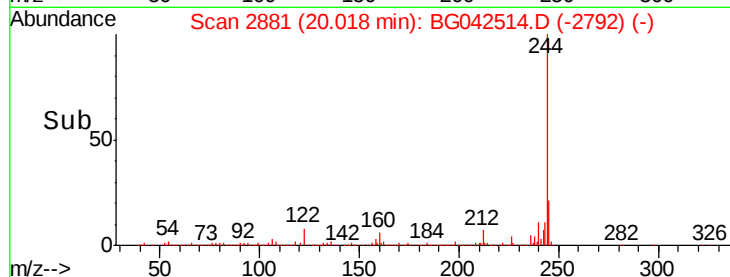
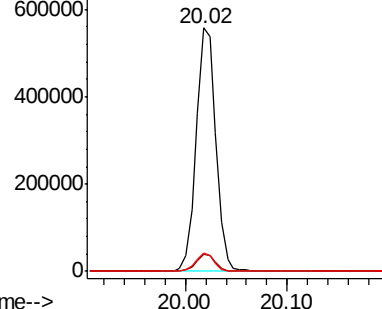
122 7.5 6.7 10.1



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042514.D

Acq: 27 Aug 2019 21:26

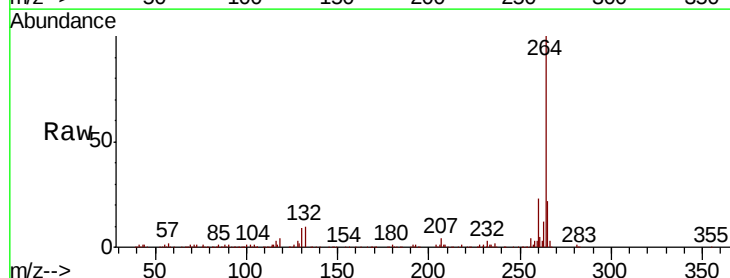
Tgt Ion:264 Resp: 345452

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.9 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

