

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022620\
 Data File : BG044607.D
 Acq On : 26 Feb 2020 17:25
 Operator : CG/JU
 Sample : L1681-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 06:43:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

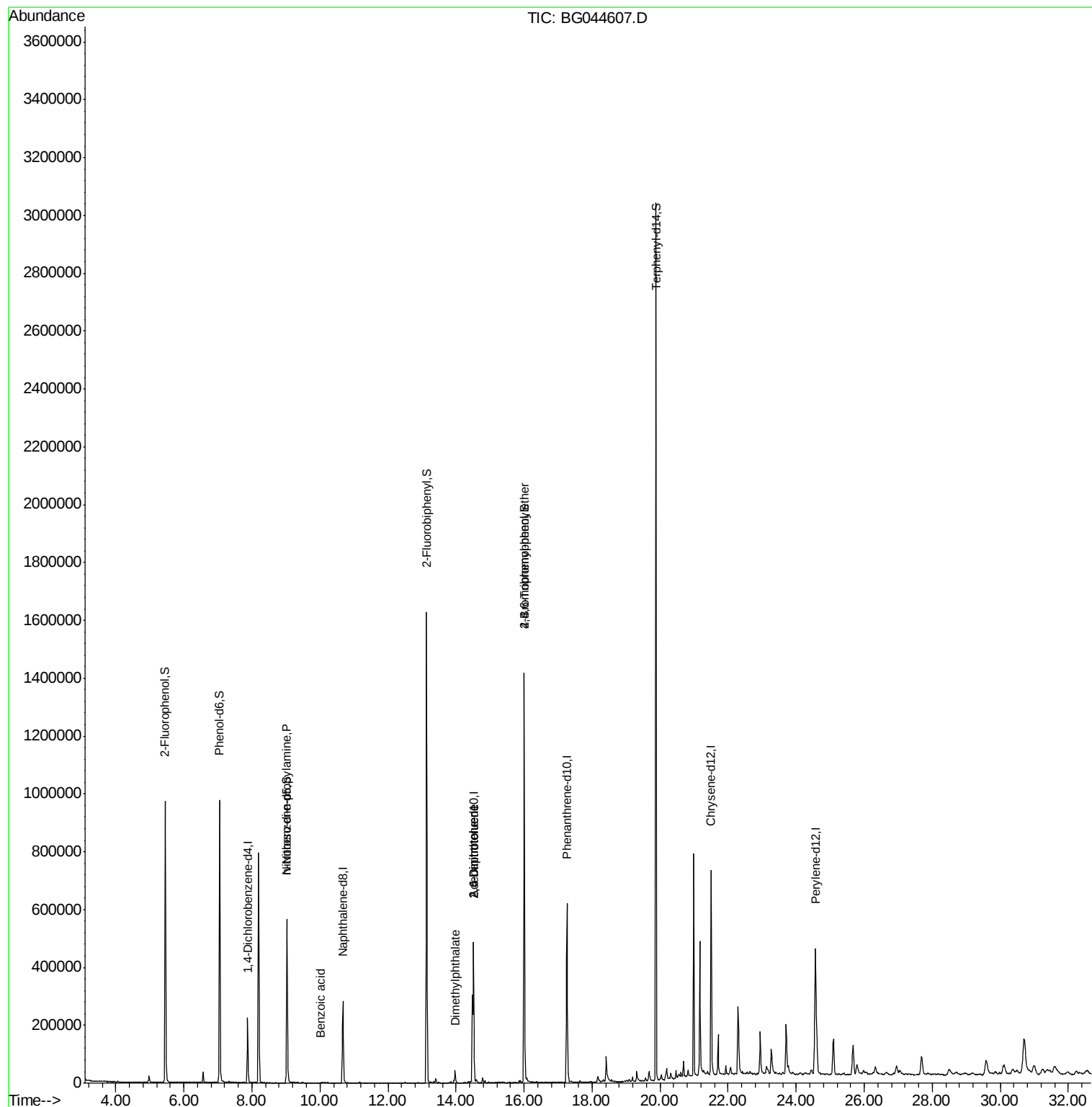
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	66472	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	278383	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	184830	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	429154	20.00	ng	0.00
76) Chrysene-d12	21.50	240	428948	20.00	ng	0.00
87) Perylene-d12	24.56	264	445884	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	486733	117.49	ng	0.00
7) Phenol-d6	7.05	99	643689	113.51	ng	0.00
23) Nitrobenzene-d5	9.03	82	382713	70.83	ng	0.00
42) 2,4,6-Tribromophenol	16.00	330	284758	108.66	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	913138	70.75	ng	0.00
79) Terphenyl-d14	19.87	244	1461260	64.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.03	70	48681	13.355	ng	Qvalue # 80
32) Benzoic acid	10.03	122	53	4.740	ng	# 1
50) Dimethylphthalate	13.97	163	38227	2.562	ng	97
51) 2,6-Dinitrotoluene	14.52	165	23825	7.241	ng	# 32
57) 2,4-Dinitrotoluene	14.52	165	23825	5.151	ng	# 30
67) 4-Bromophenyl-phenylether	16.00	248	19467	3.654	ng	# 1

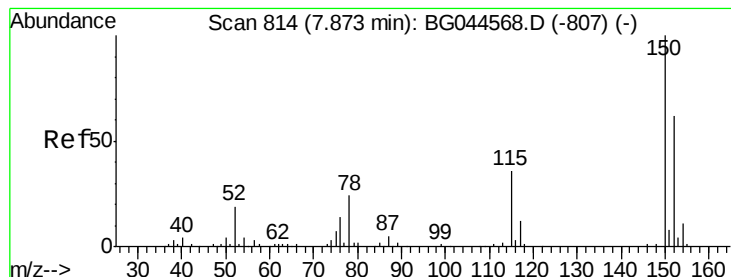
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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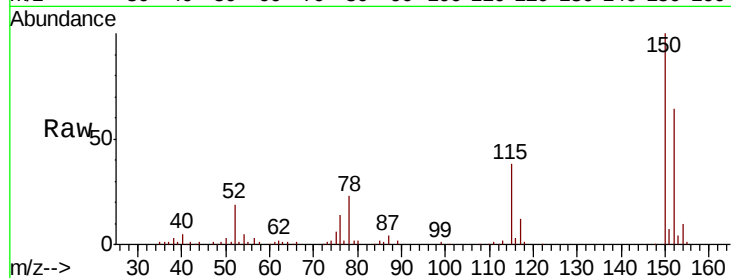


#1

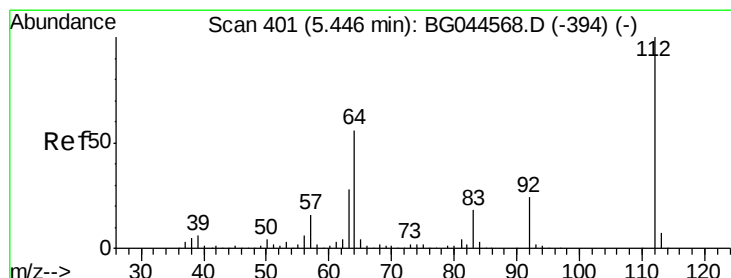
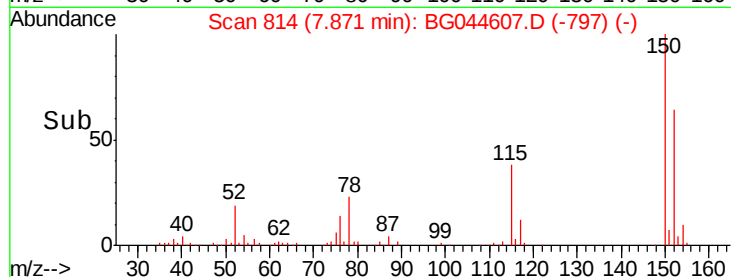
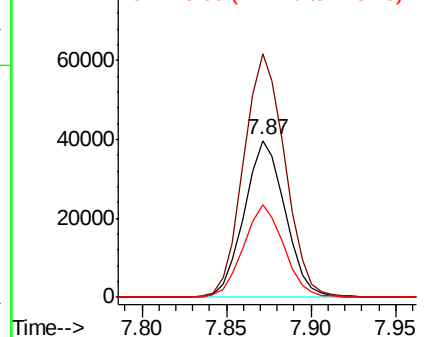
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66472
Ion Ratio Lower Upper
152 100
150 155.1 128.9 193.3
115 59.1 47.0 70.4



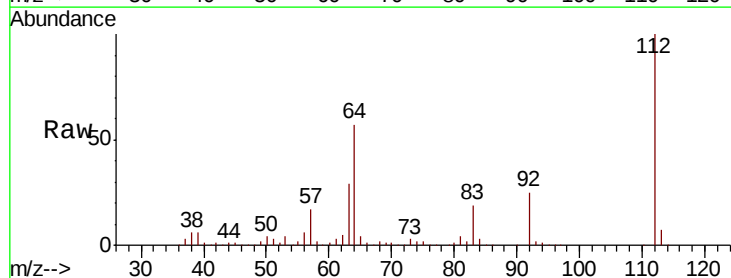
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



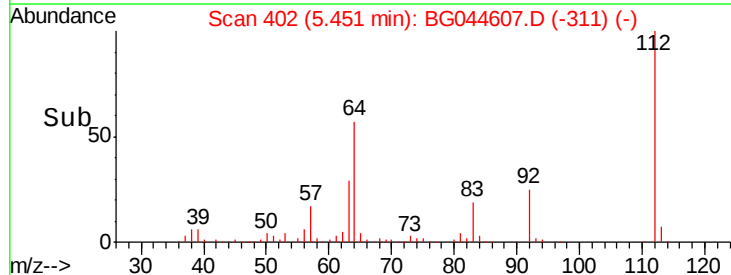
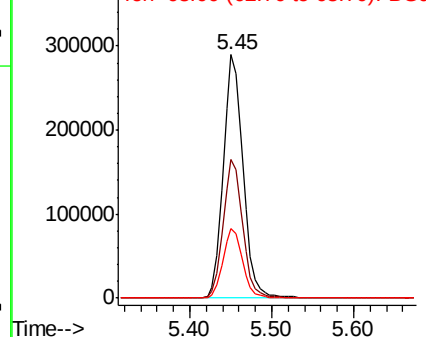
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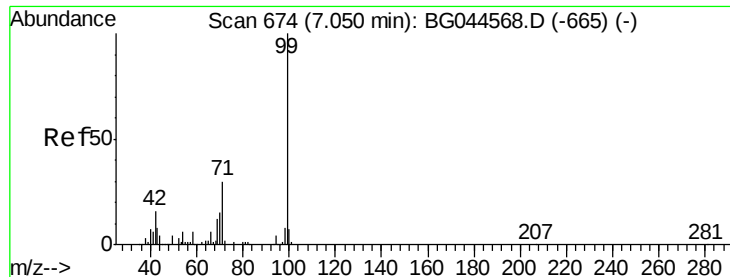
2-Fluorophenol
Concen: 117.485 ng
RT: 5.45 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Tgt Ion:112 Resp: 486733
Ion Ratio Lower Upper
112 100
64 56.9 44.8 67.2
63 28.6 22.3 33.5



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





#7

Phenol-d6

Concen: 113.508 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

Instrument :

BNA_G

ClientSampleId :

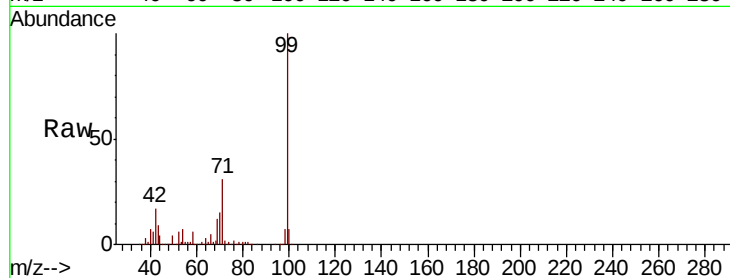
Tot Ion: 99 Resp: 643689

Ion Ratio Lower Upper

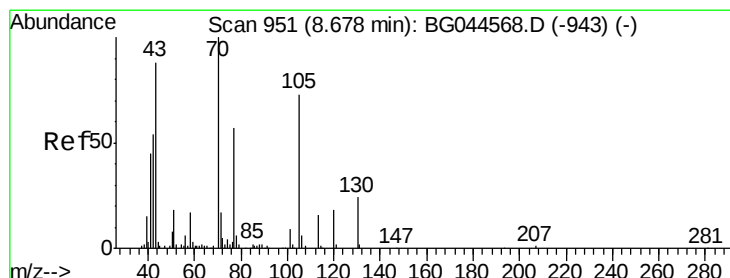
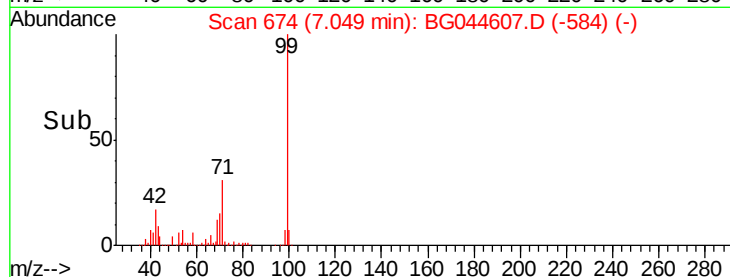
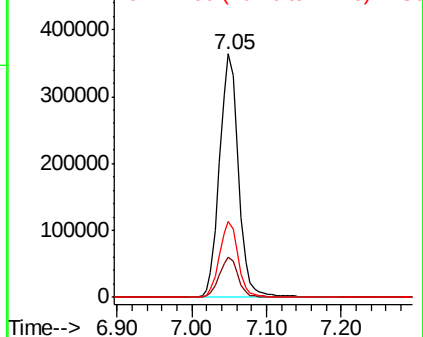
99 100

42 16.7 12.8 19.2

71 31.3 24.4 36.6



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: 13.355 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

Tgt Ion: 70 Resp: 48681

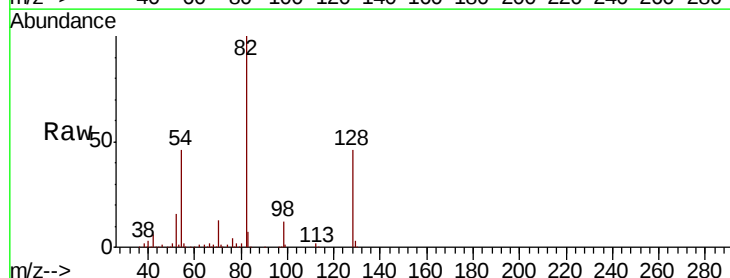
Ion Ratio Lower Upper

70 100

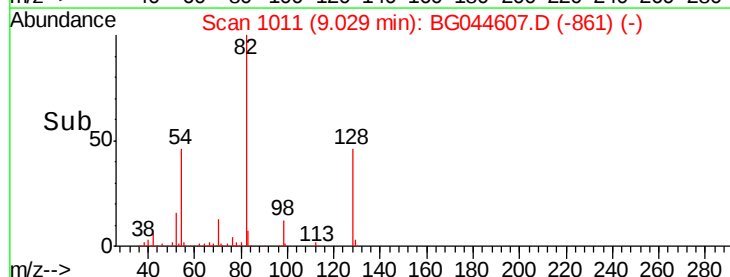
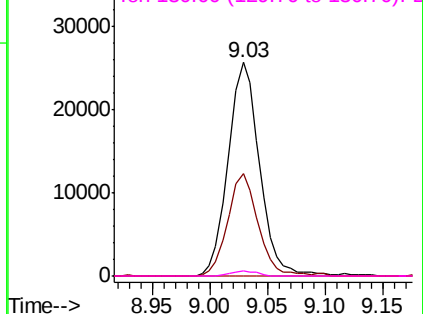
42 47.7 43.4 65.0

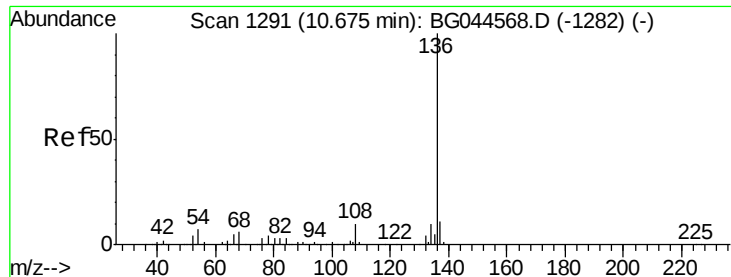
101 0.0 7.5 11.3#

130 2.3 18.9 28.3#



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

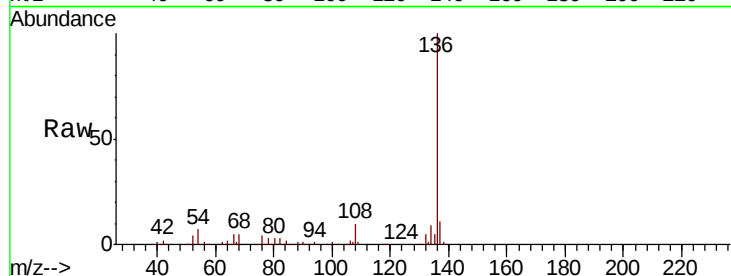




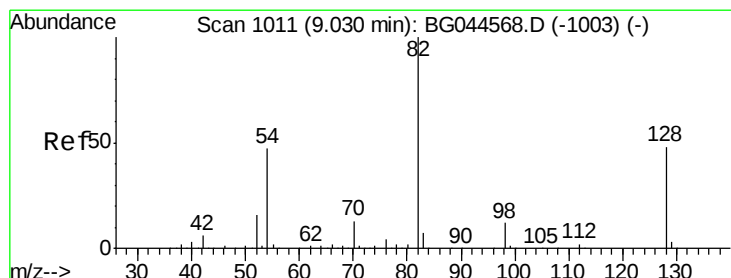
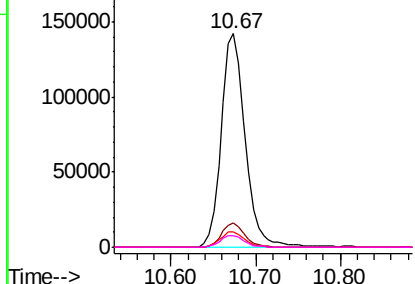
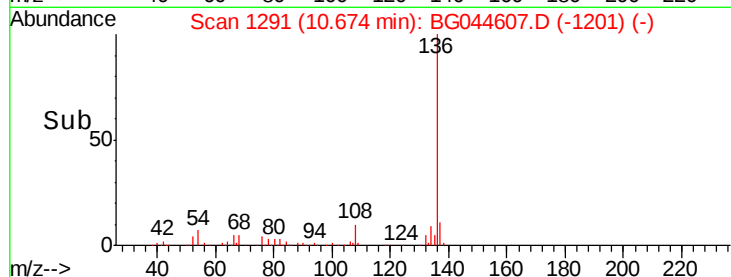
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.67 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	278383
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.8 13.2
54	7.3	5.7 8.5
68	5.5	4.5 6.7

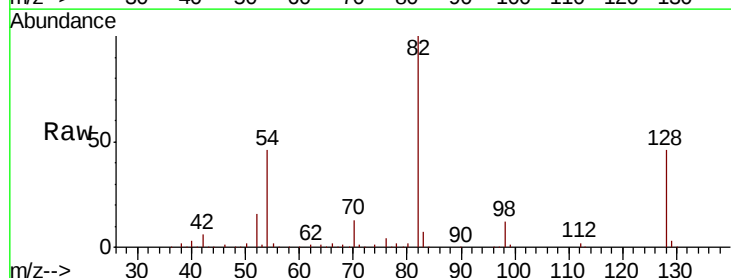


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

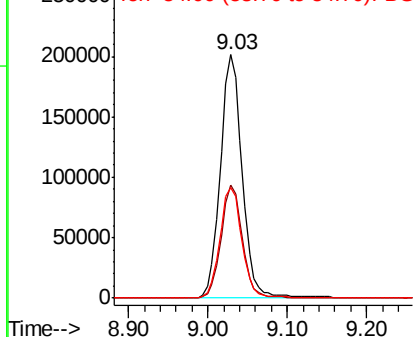
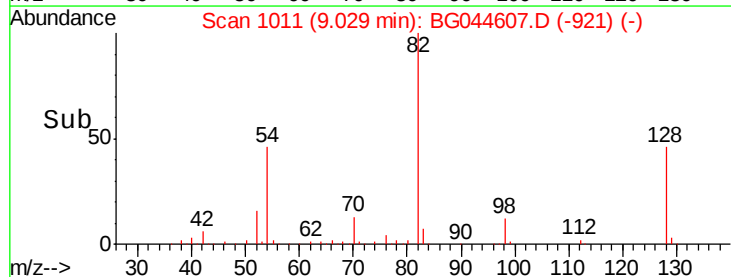


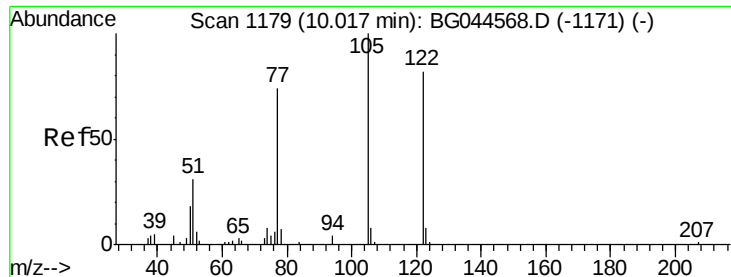
#23
Nitrobenzene-d5
Concen: 70.826 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Tgt Ion: 82	Resp:	382713
Ion	Ratio	Lower Upper
82	100	
128	46.3	38.1 57.1
54	45.6	37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

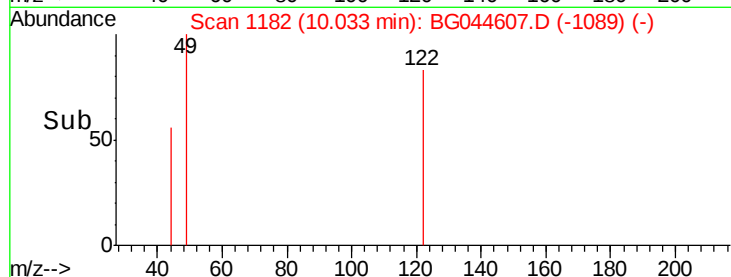
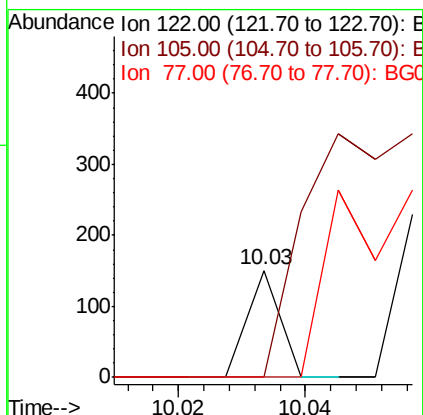
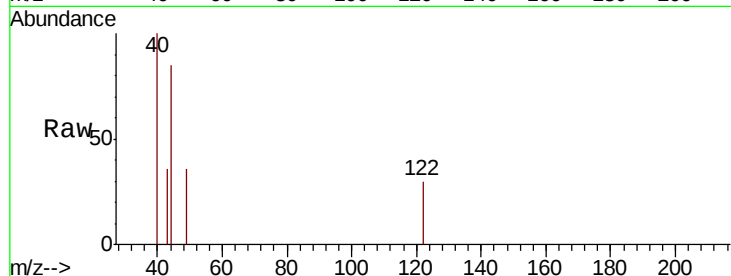




#32
Benzoic acid
Concen: 4.740 ng
RT: 10.03 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

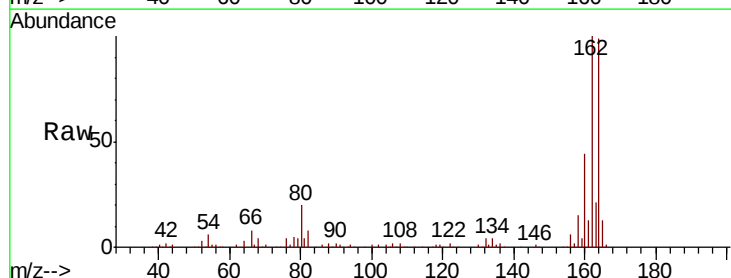
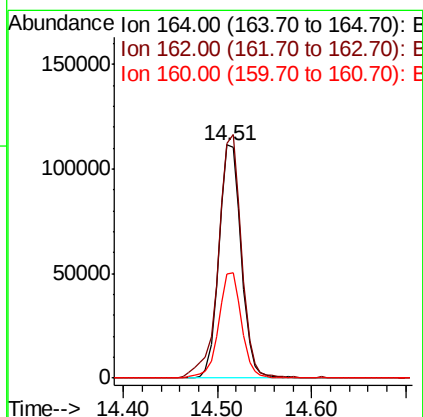
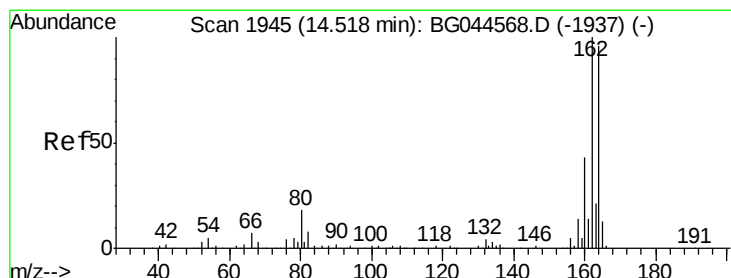
Instrument :
BNA_G
ClientSampleId :

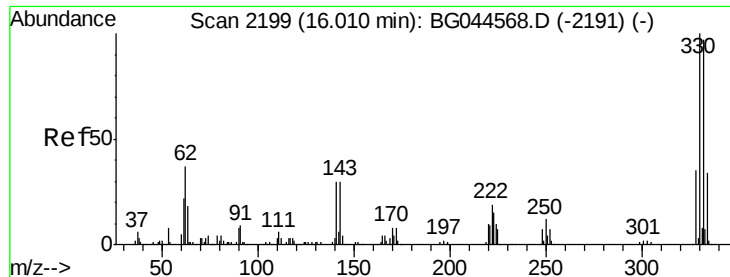
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.4	141.4#
77	0.0	69.8	109.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.6	125.4
160	44.5	36.2	54.4

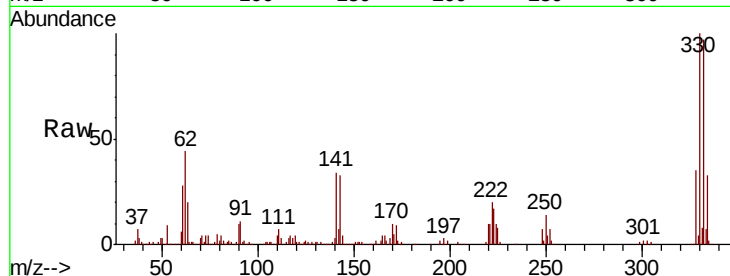




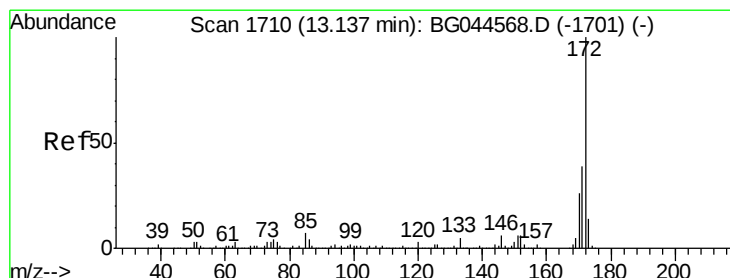
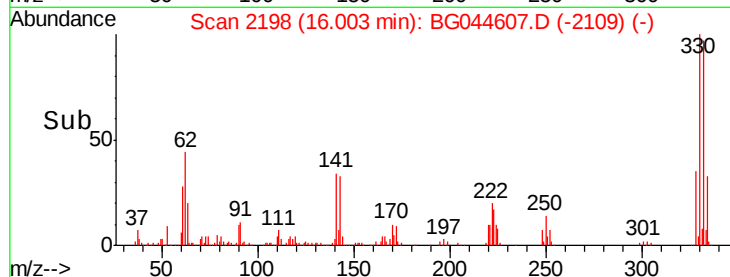
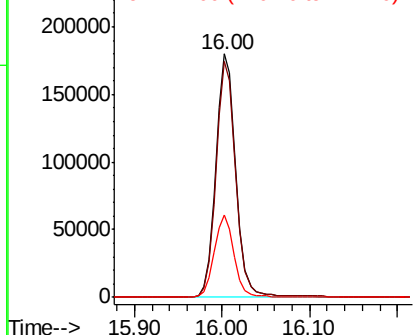
#42
 2,4,6-Tribromophenol
 Concen: 108.655 ng
 RT: 16.00 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG044607.D
 Acq: 26 Feb 2020 17:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 284758
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.0
 141 34.0 26.1 39.1

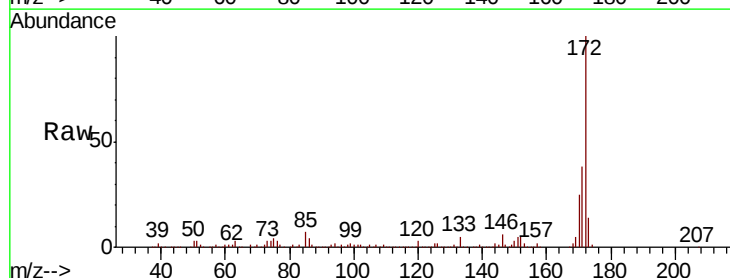


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

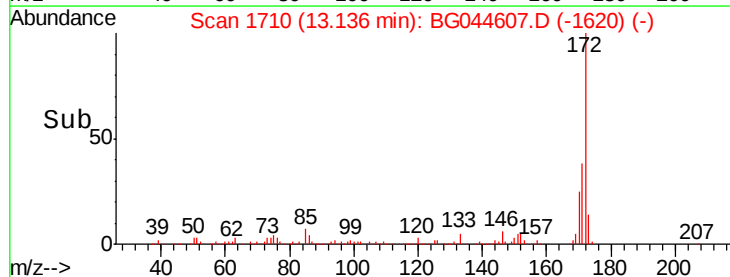
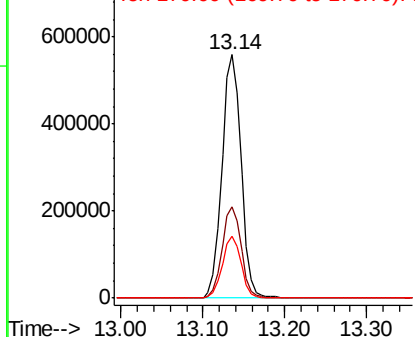


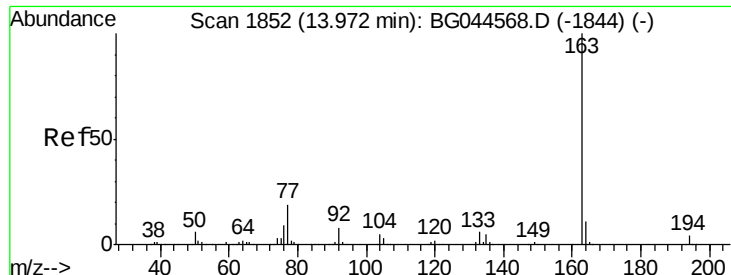
#45
 2-Fluorobiphenyl
 Concen: 70.746 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG044607.D
 Acq: 26 Feb 2020 17:25

Tgt Ion:172 Resp: 913138
 Ion Ratio Lower Upper
 172 100
 171 37.6 31.3 46.9
 170 25.3 21.0 31.4



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: 2.562 ng

RT: 13.97 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

Instrument :

BNA_G

ClientSampled :

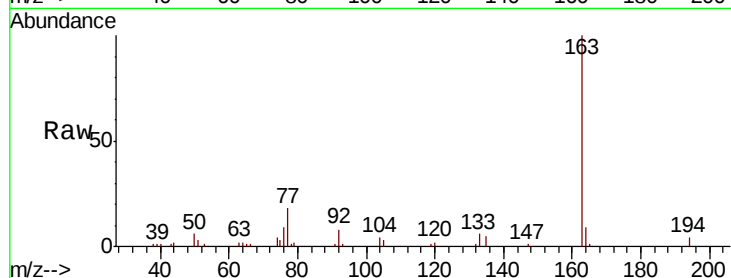
Tot Ion:163 Resp: 38227

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

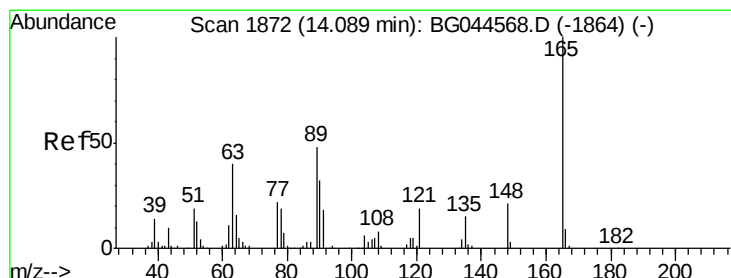
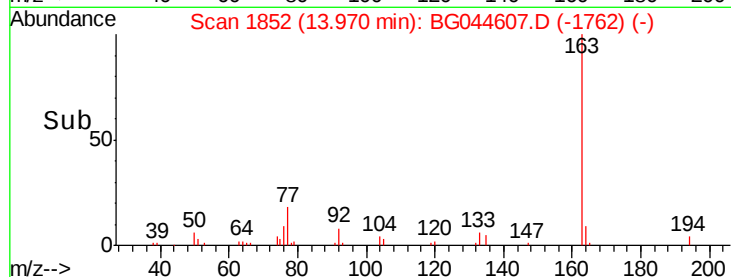
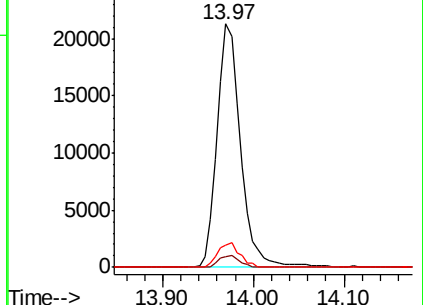
164 9.3 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 7.241 ng

RT: 14.52 min Scan# 1945

Delta R.T. 0.43 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

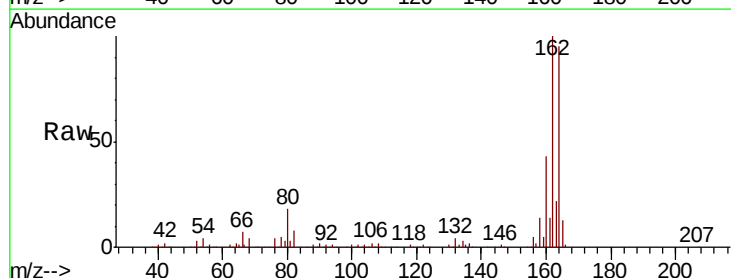
Tgt Ion:165 Resp: 23825

Ion Ratio Lower Upper

165 100

63 1.1 35.8 53.6#

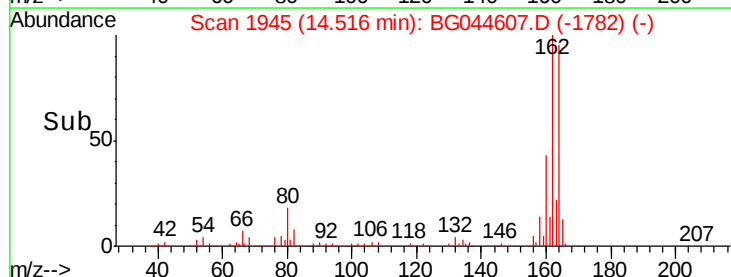
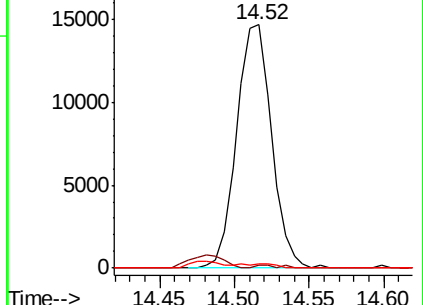
89 1.6 38.7 58.1#

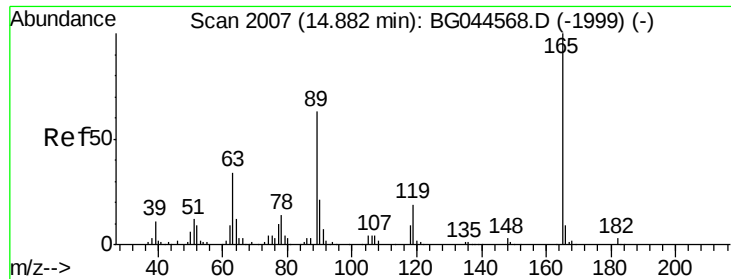


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

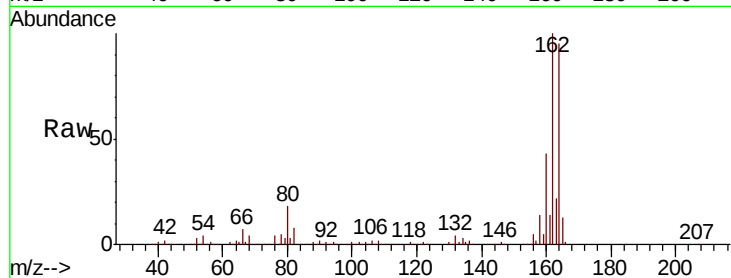




#57
 2,4-Dinitrotoluene
 Concen: 5.151 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG044607.D
 Acq: 26 Feb 2020 17:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.5	41.3#
89	1.6	50.0	75.0#
182	0.0	2.3	3.5#



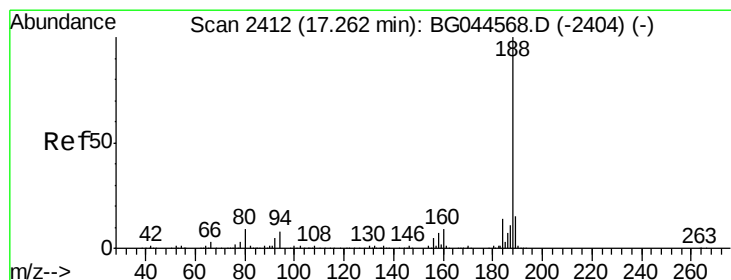
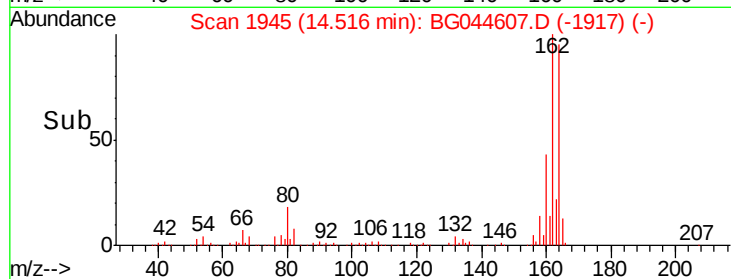
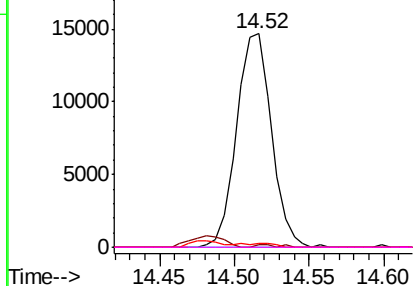
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

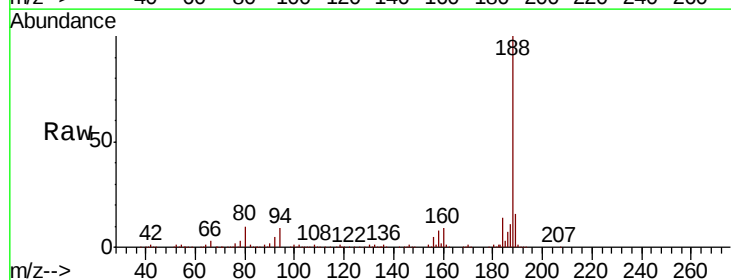
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BG044607.D
 Acq: 26 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.7	10.1
80	9.5	7.6	11.4

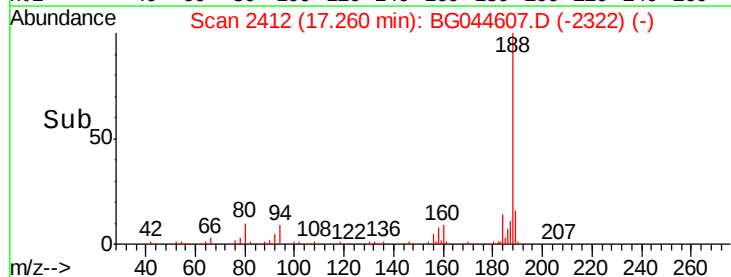
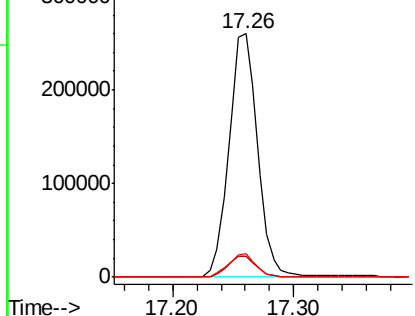


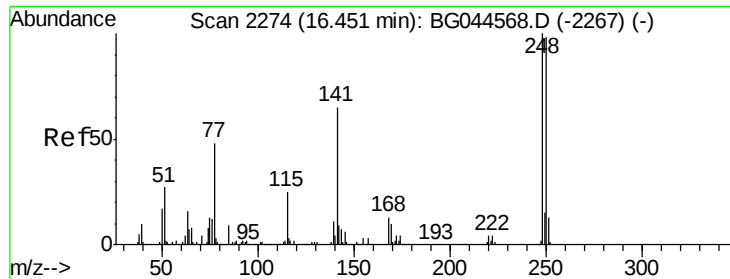
Abundance

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

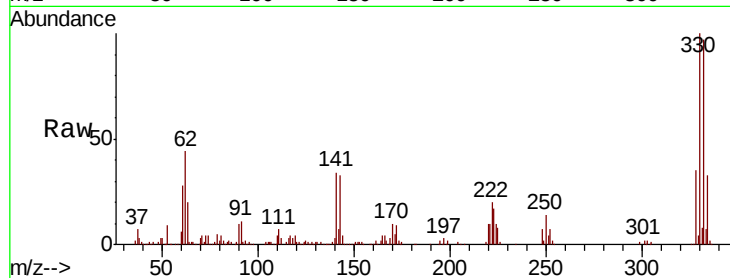




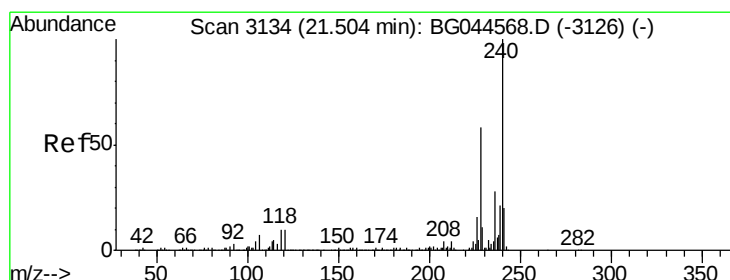
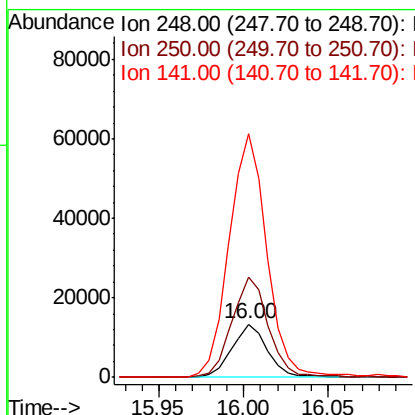
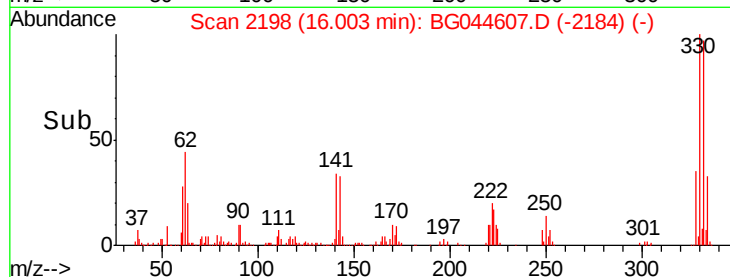
#67
4-Bromophenyl-phenylether
Concen: 3.654 ng
RT: 16.00 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19467
Ion Ratio Lower Upper
248 100
250 187.5 78.7 118.1#
141 455.4 52.3 78.5#

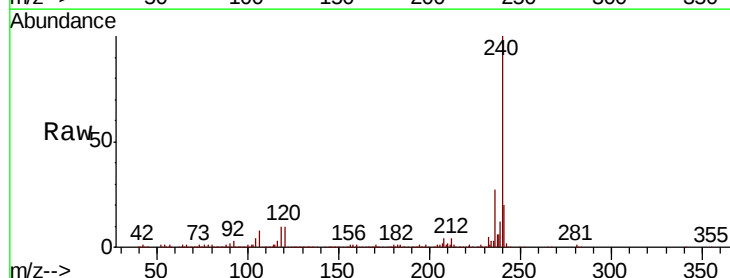


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

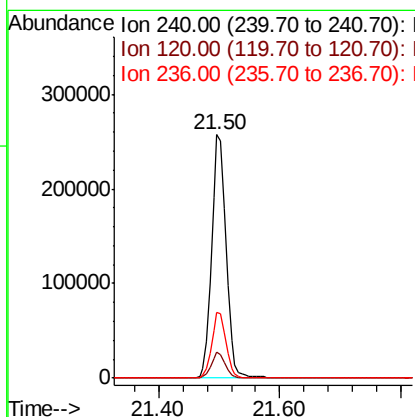
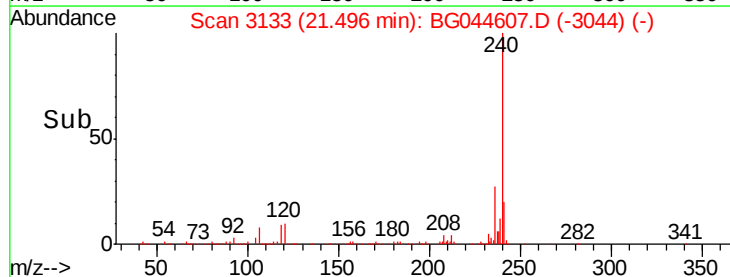


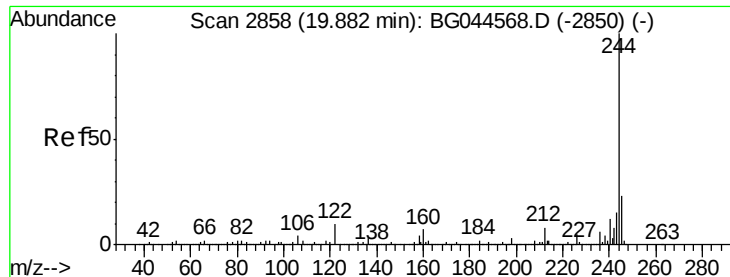
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG044607.D
Acq: 26 Feb 2020 17:25

Tgt Ion:240 Resp: 428948
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 26.7 22.3 33.5



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: 64.489 ng

RT: 19.87 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

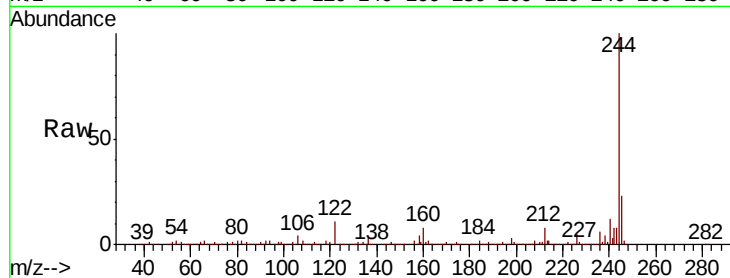
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1461260

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	11.3	8.2	12.4

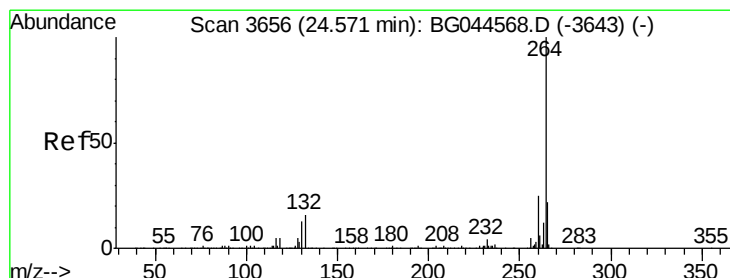
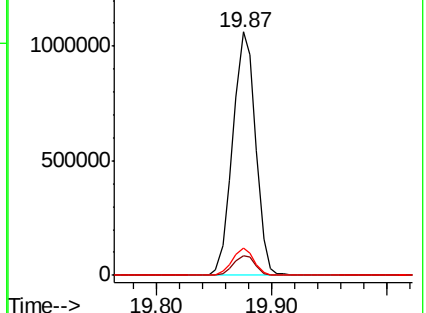
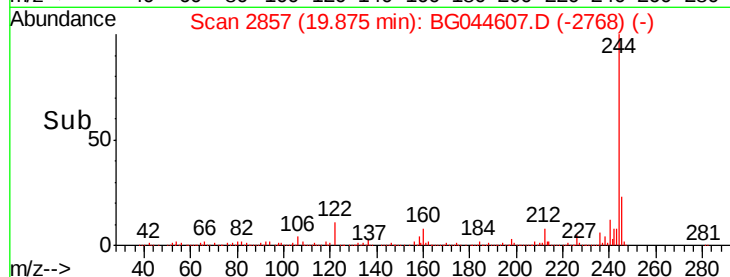


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.56 min Scan# 3655

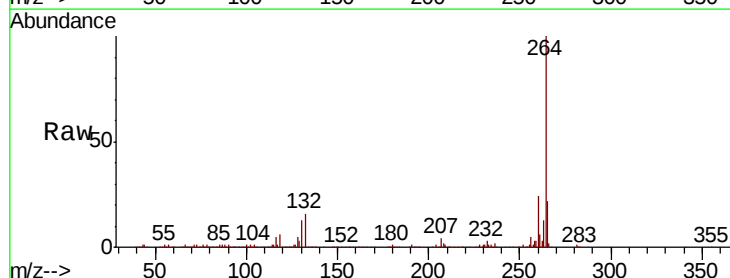
Delta R.T. -0.01 min

Lab File: BG044607.D

Acq: 26 Feb 2020 17:25

Tgt Ion:264 Resp: 445884

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	22.1	17.8	26.8



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

