

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042383.D
 Acq On : 21 Aug 2019 14:50
 Operator : HP/JU
 Sample : K4418-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 17:34:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

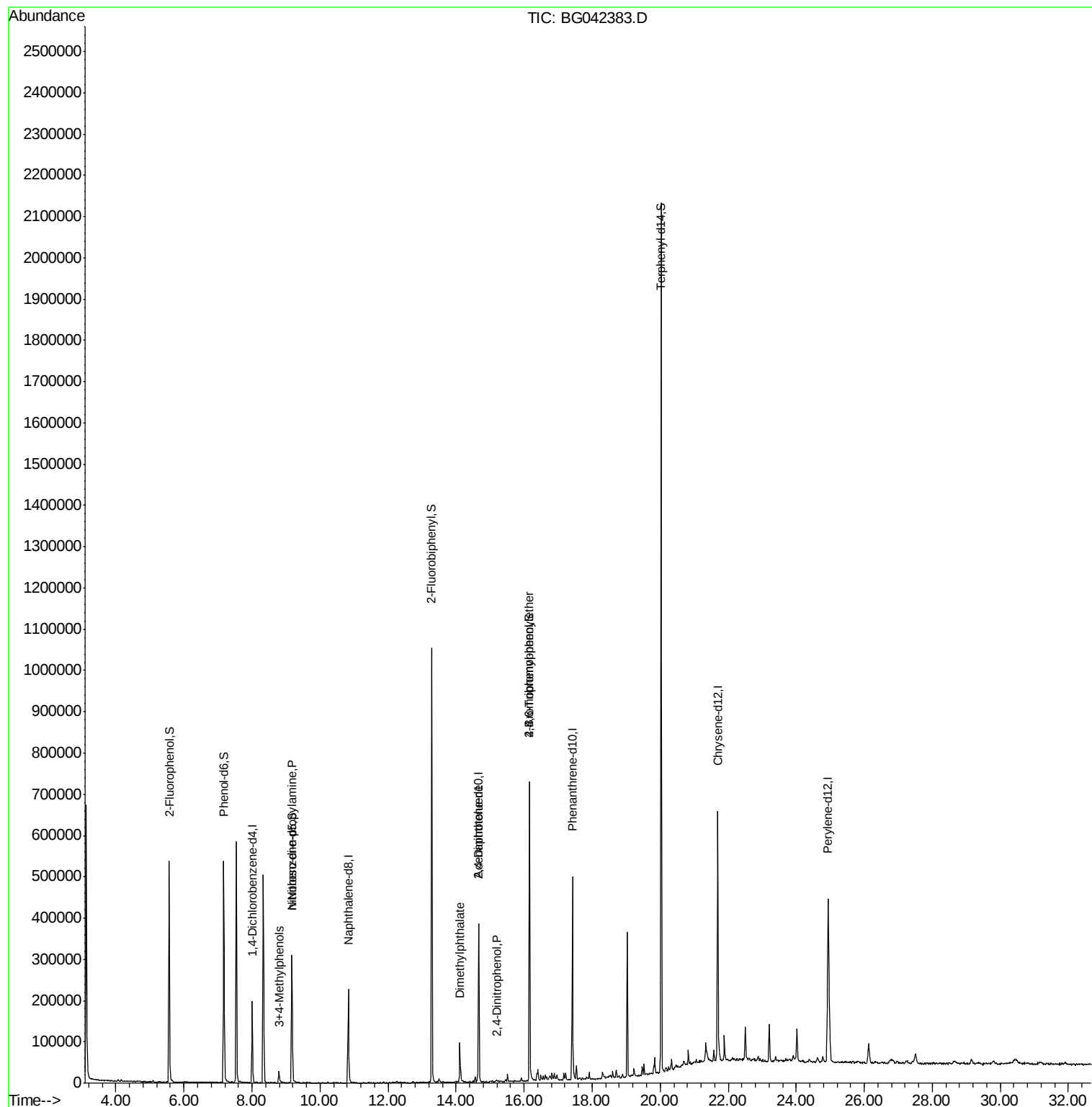
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	64387	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	235191	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	157212	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	339543	20.00	ng	0.00
76) Chrysene-d12	21.70	240	385933	20.00	ng	0.00
87) Perylene-d12	24.94	264	461009	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	277712	87.39	ng	0.00
7) Phenol-d6	7.17	99	368094	85.29	ng	0.00
23) Nitrobenzene-d5	9.18	82	210896	63.07	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	183992	85.93	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	642031	69.11	ng	0.00
79) Terphenyl-d14	20.03	244	1105380	62.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	26924	9.699	ng	Qvalue # 71
20) 3+4-Methylphenols	8.79	107	20341	4.532	ng	93
50) Dimethylphthalate	14.11	163	86234	7.719	ng	98
54) 2,4-Dinitrophenol	15.22	184	404	6.731	ng	# 32
57) 2,4-Dinitrotoluene	14.66	165	20797	5.689	ng	# 36
67) 4-Bromophenyl-phenylether	16.16	248	12216	2.827	ng	# 1

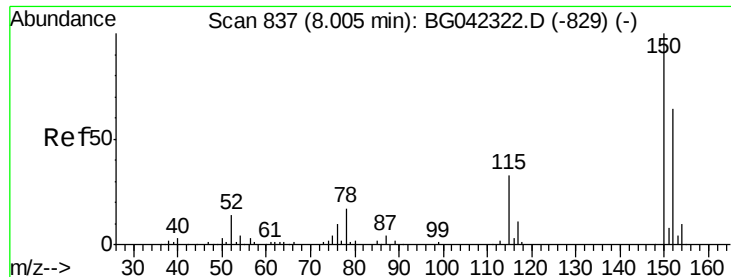
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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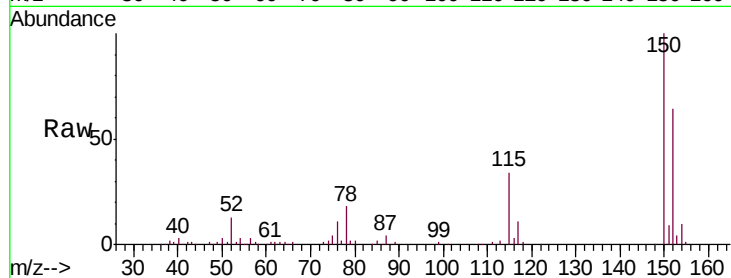


#1

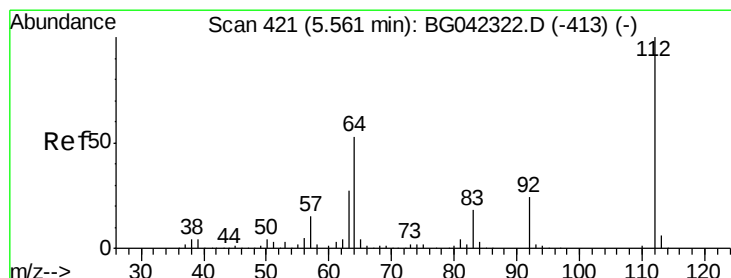
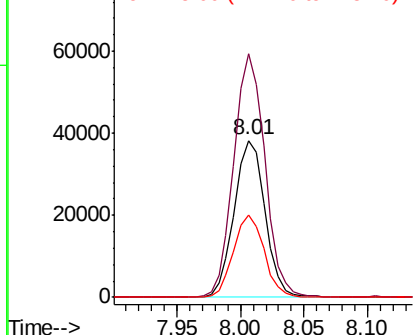
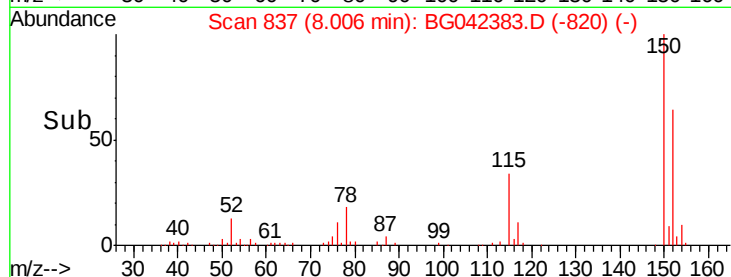
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.3	186.5
115	52.5	40.5	60.7



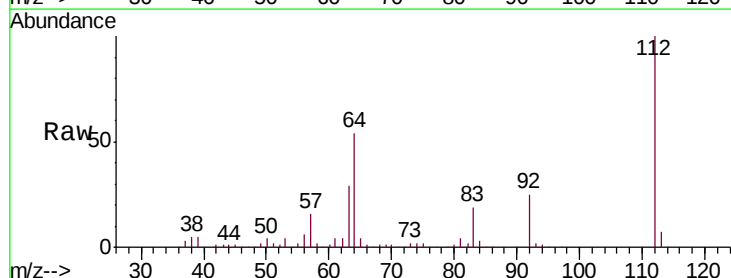
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



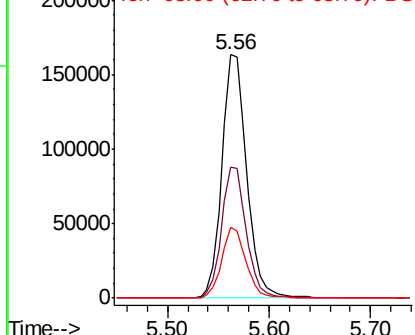
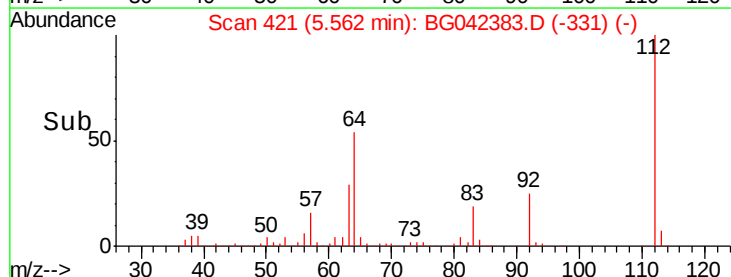
#5

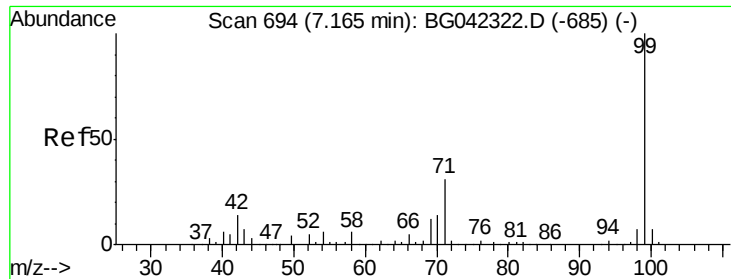
2-Fluorophenol
 Concen: 87.389 ng
 RT: 5.56 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.5	63.7
63	29.0	21.7	32.5



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: 85.287 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Instrument :

BNA_G

ClientSampleId :

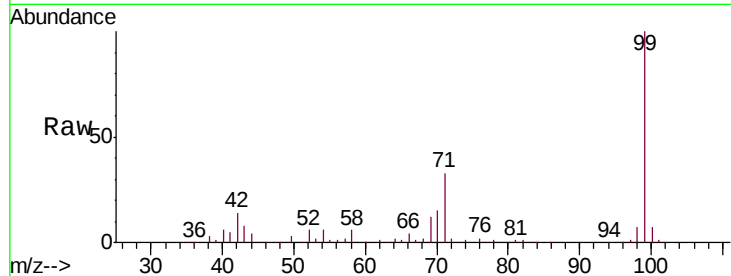
Tot Ion: 99 Resp: 368094

Ion Ratio Lower Upper

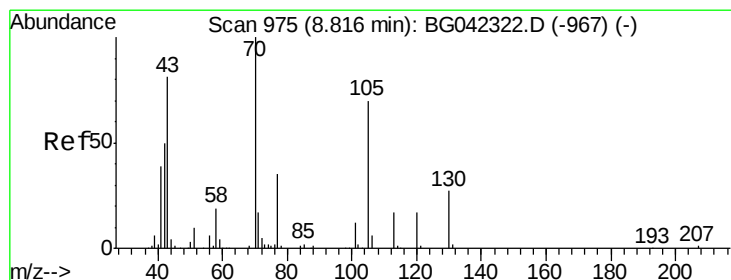
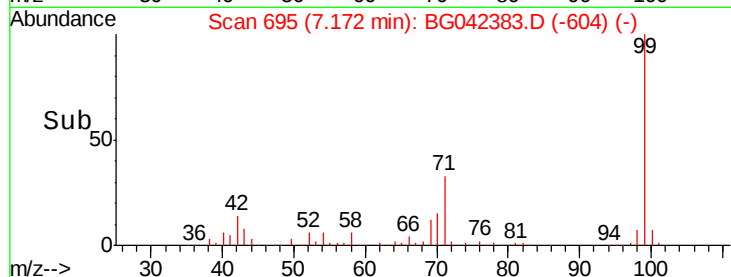
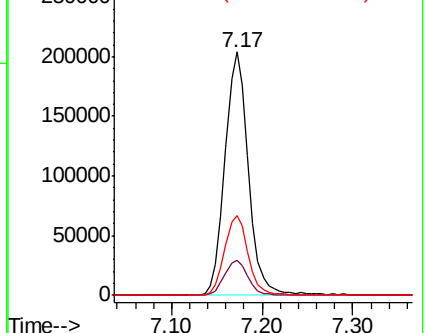
99 100

42 14.2 11.4 17.0

71 32.6 25.1 37.7



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: 9.699 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Tgt Ion: 70 Resp: 26924

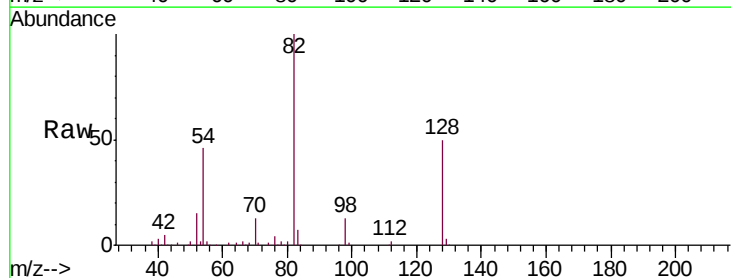
Ion Ratio Lower Upper

70 100

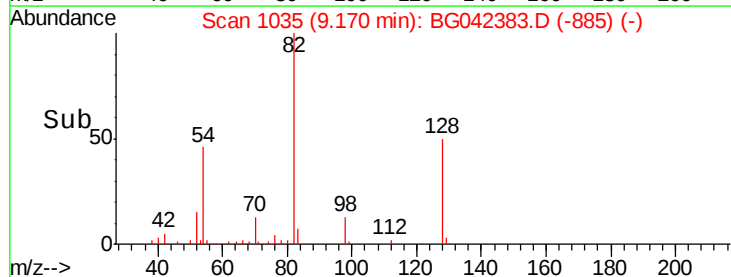
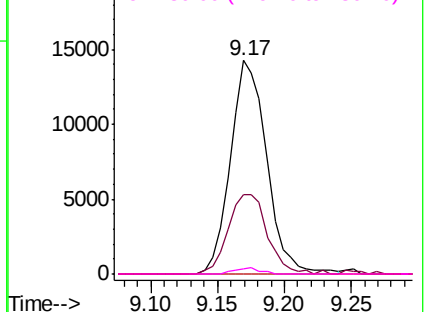
42 37.1 40.5 60.7#

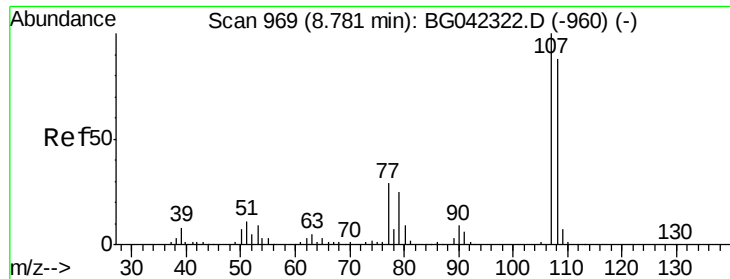
101 0.0 9.3 13.9#

130 2.7 22.0 33.0#



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





#20

3+4-Methylphenols

Concen: 4.532 ng

RT: 8.79 min Scan# 971

Delta R.T. 0.01 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 20341

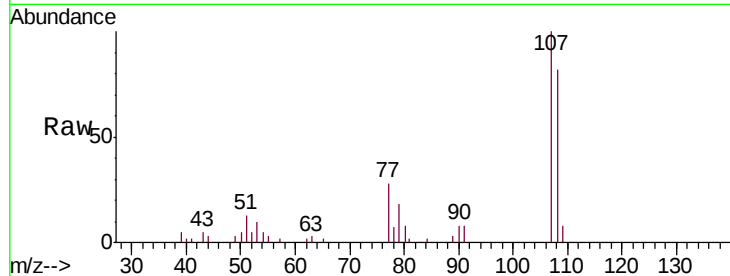
Ion Ratio Lower Upper

107 100

108 82.0 67.8 107.8

77 28.4 9.1 49.1

79 18.2 5.3 45.3

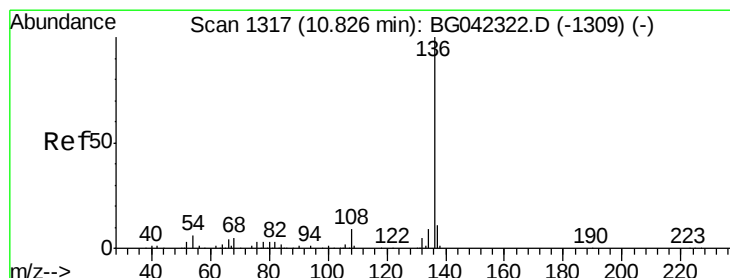
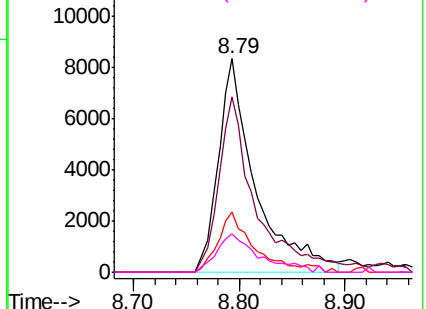
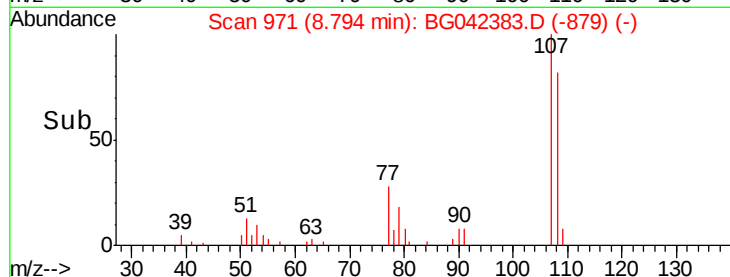


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Tgt Ion:136 Resp: 235191

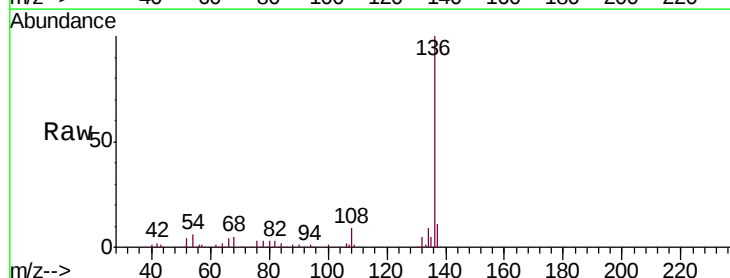
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 6.4 5.0 7.4

68 4.8 3.8 5.8

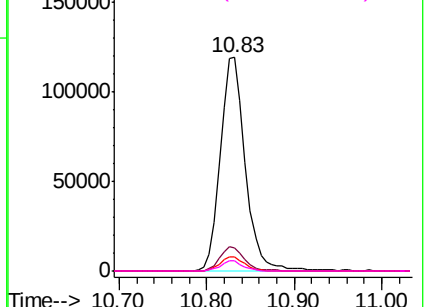
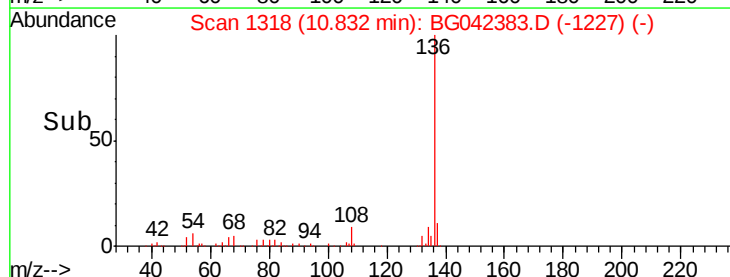


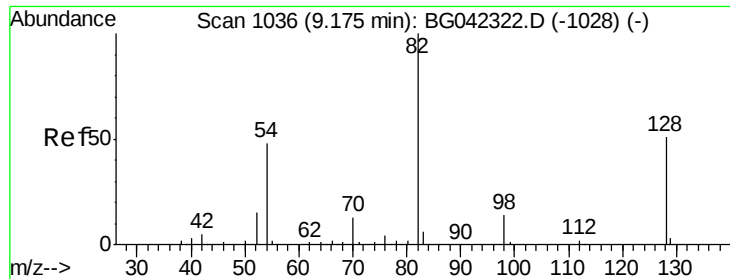
Abundance Ion 136.00 (135.70 to 136.70): E

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

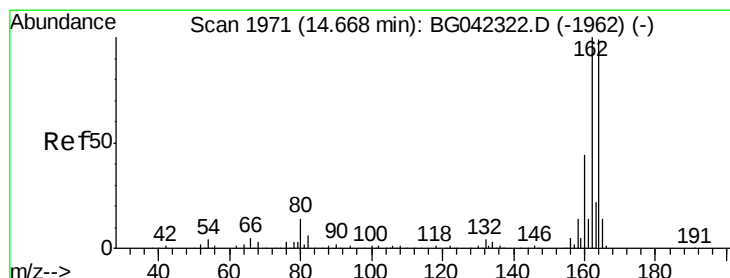
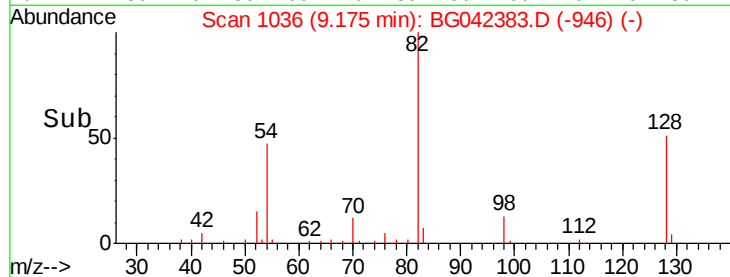
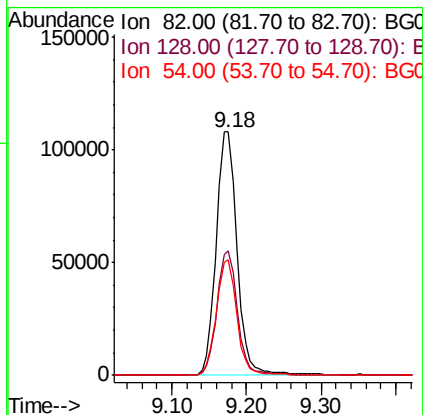
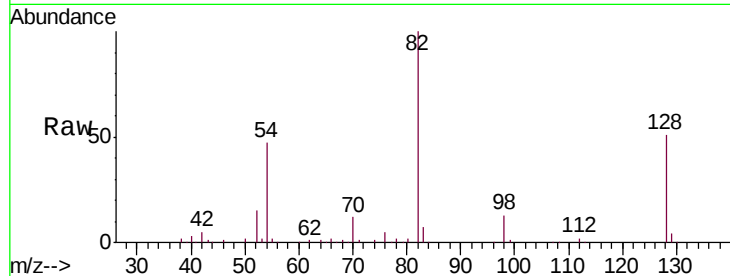




#23
Nitrobenzene-d5
Concen: 63.068 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042383.D
Acq: 21 Aug 2019 14:50

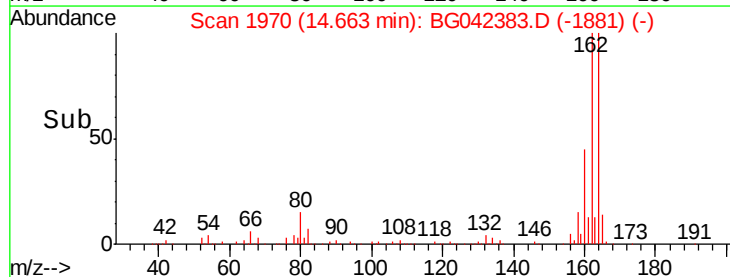
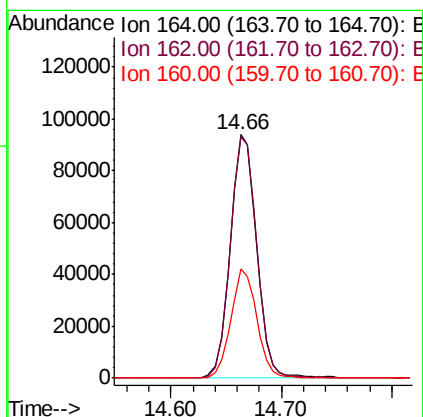
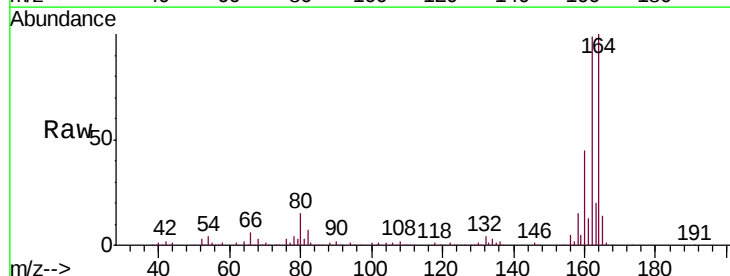
Instrument :
BNA_G
ClientSampleId :

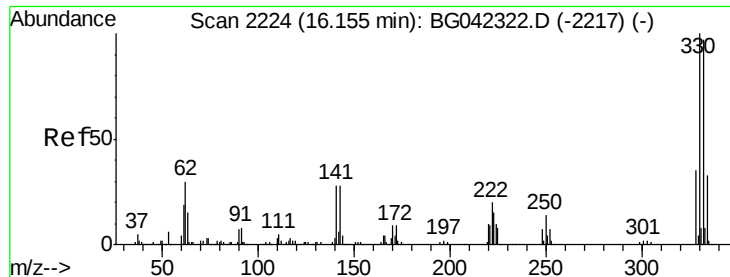
Tot Ion	82	Resp	210896
Ion Ratio	Lower	Upper	
82	100		
128	51.4	41.0	61.4
54	47.5	38.0	57.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042383.D
Acq: 21 Aug 2019 14:50

Tgt Ion	164	Resp	157212
Ion Ratio	Lower	Upper	
164	100		
162	99.1	80.6	120.8
160	44.6	35.7	53.5

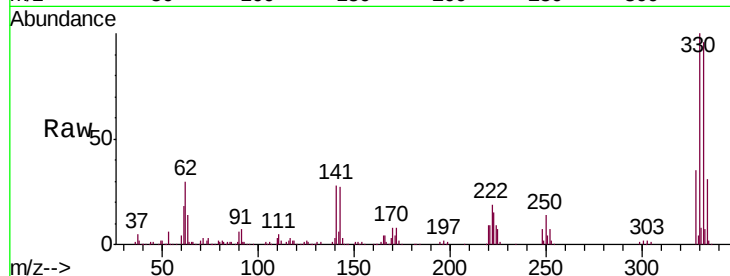




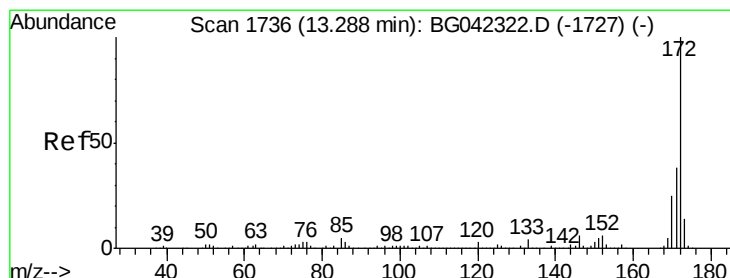
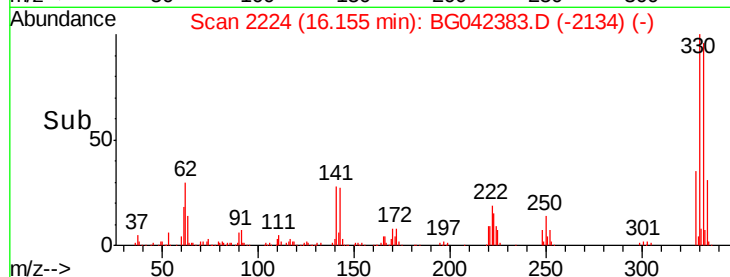
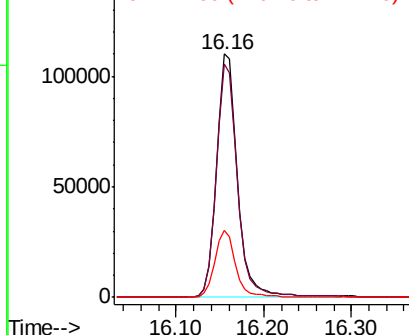
#42
 2,4,6-Tribromophenol
 Concen: 85.930 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	27.0	21.8	32.6

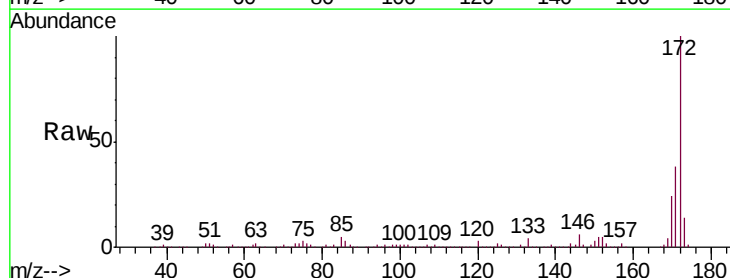


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

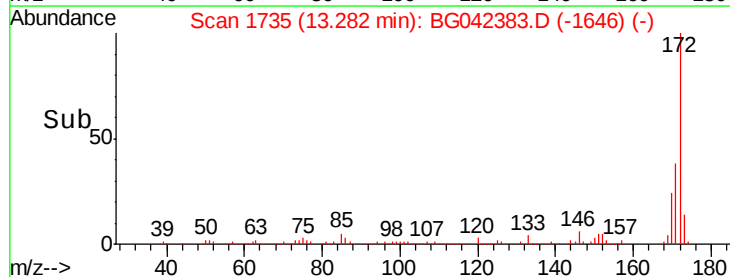
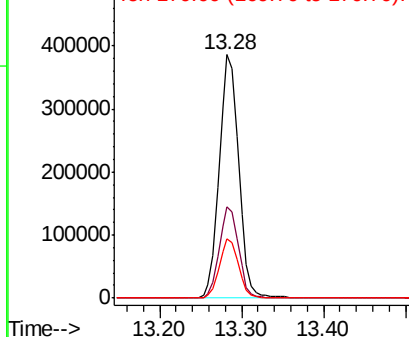


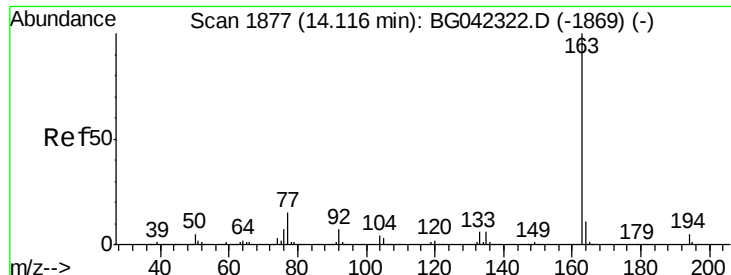
#45
 2-Fluorobiphenyl
 Concen: 69.105 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.3	45.5
170	24.3	20.0	30.0



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: 7.719 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Instrument :

BNA_G

ClientSampleId :

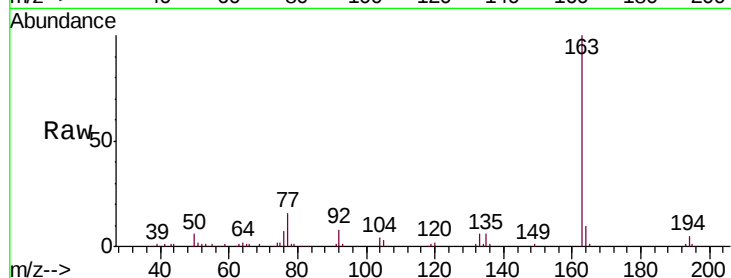
Tot Ion:163 Resp: 86234

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

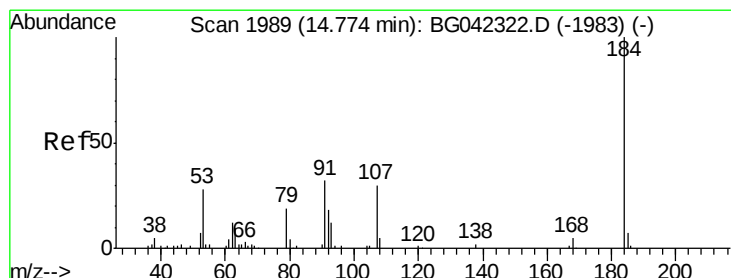
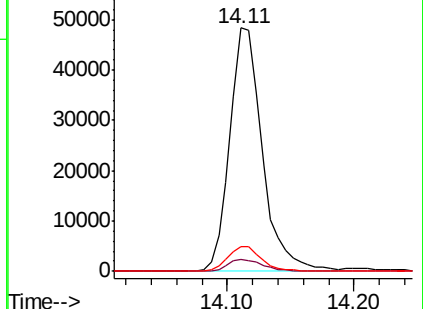
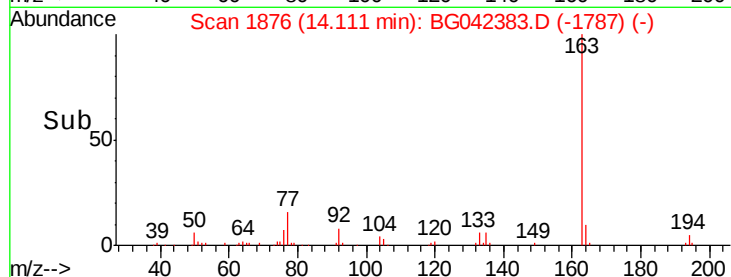
164 10.3 8.8 13.2



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



#54

2,4-Dinitrophenol

Concen: 6.731 ng

RT: 15.22 min Scan# 2064

Delta R.T. 0.44 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

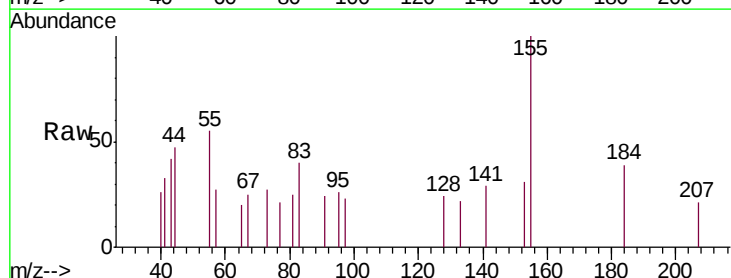
Tgt Ion:184 Resp: 404

Ion Ratio Lower Upper

184 100

63 0.0 30.2 45.4#

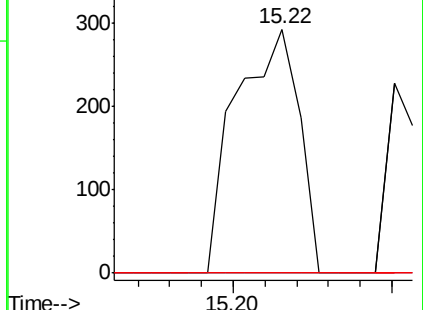
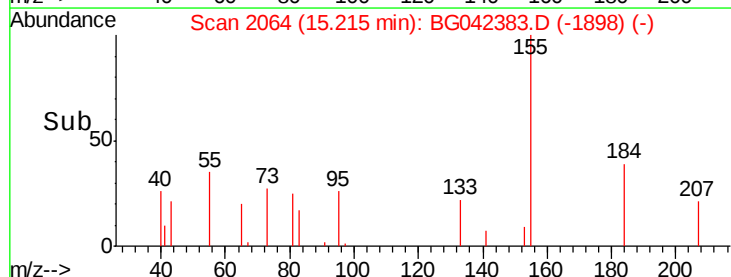
154 0.0 39.7 59.5#

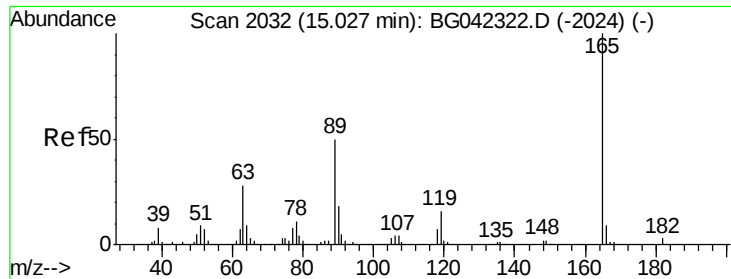


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

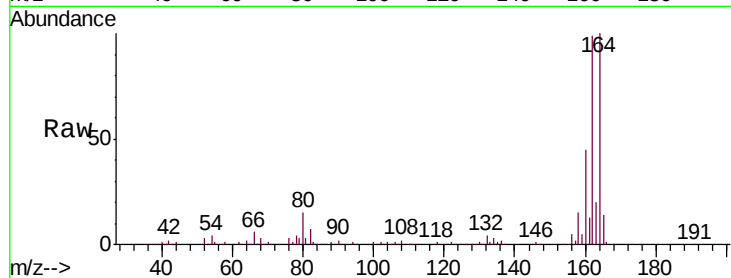




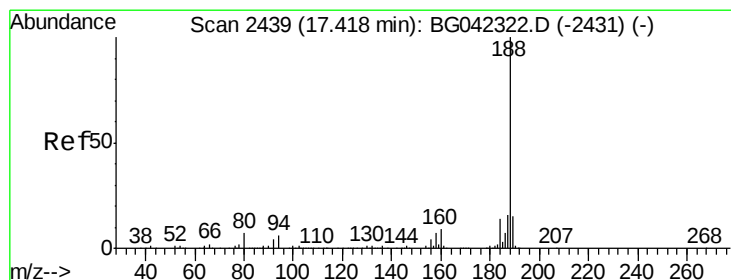
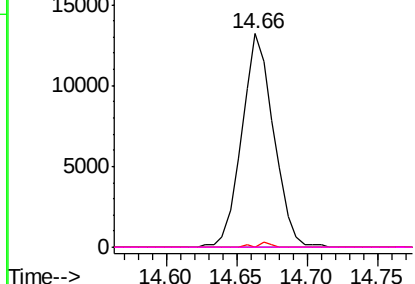
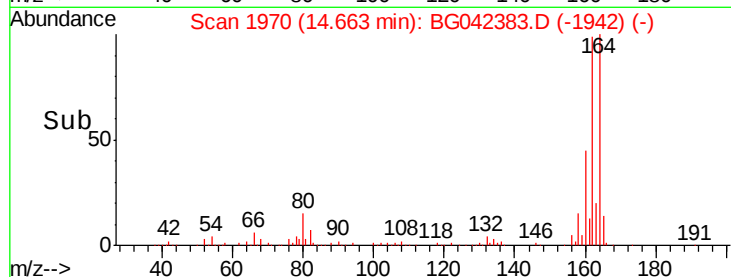
#57
 2,4-Dinitrotoluene
 Concen: 5.689 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20797
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.4 33.6#
89	0.0	40.2 60.2#
182	0.0	2.6 3.8#

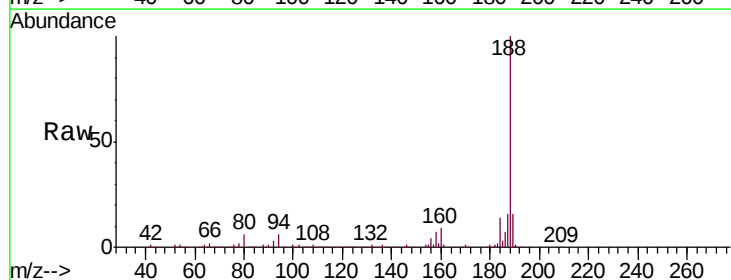


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

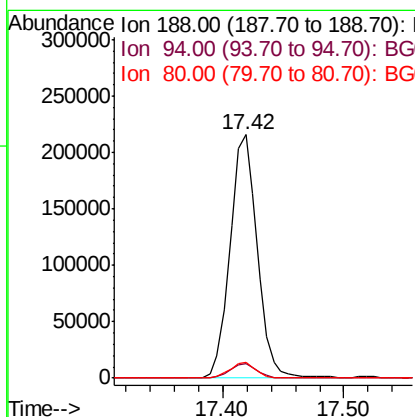
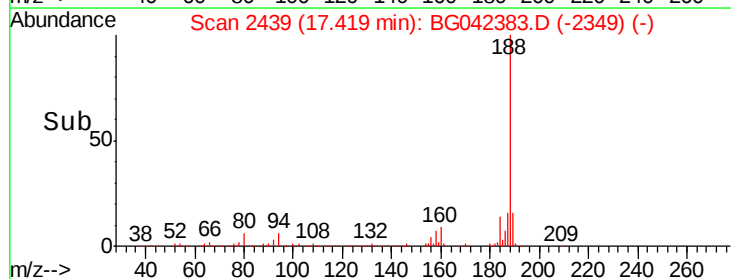


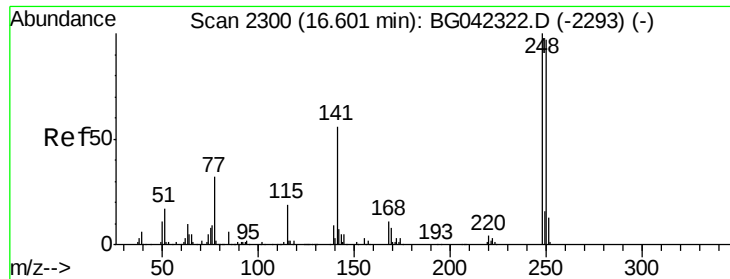
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Tgt Ion:188	Resp:	339543
Ion Ratio	Lower	Upper
188	100	
94	6.1	4.9 7.3
80	6.5	5.4 8.0



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

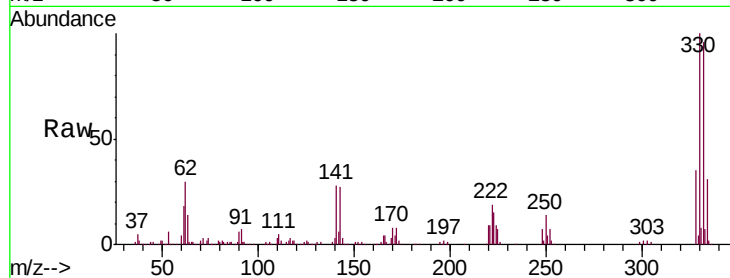




#67
 4-Bromophenyl-phenylether
 Concen: 2.827 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	213.8	78.0	117.0#
141	414.5	44.9	67.3#

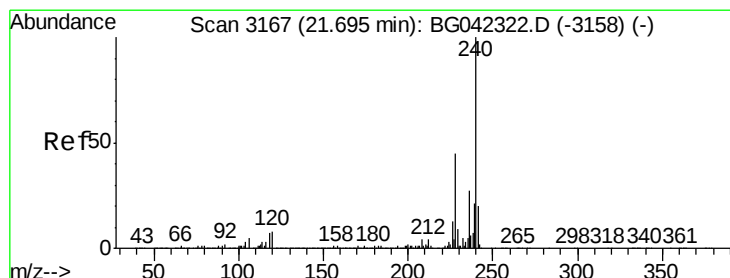
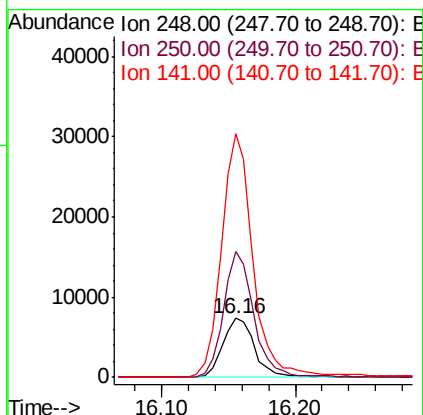
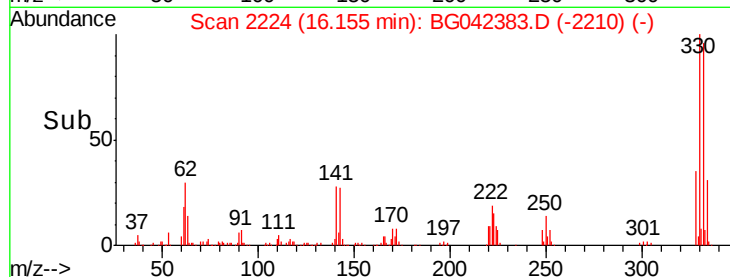


Abundance

Ion 248.00 (247.70 to 248.70): E

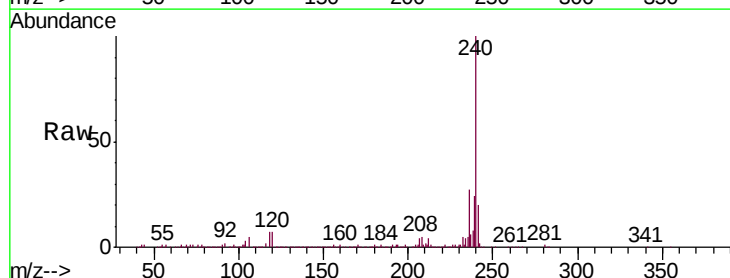
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: BG042383.D
 Acq: 21 Aug 2019 14:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.0	9.0
236	26.7	21.6	32.4

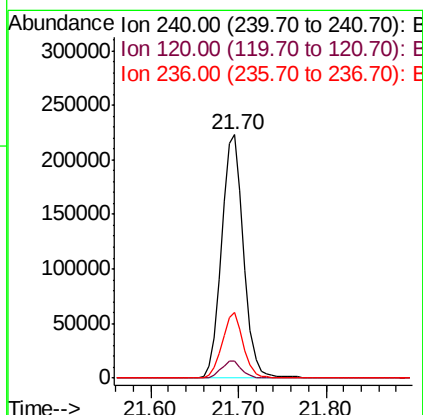
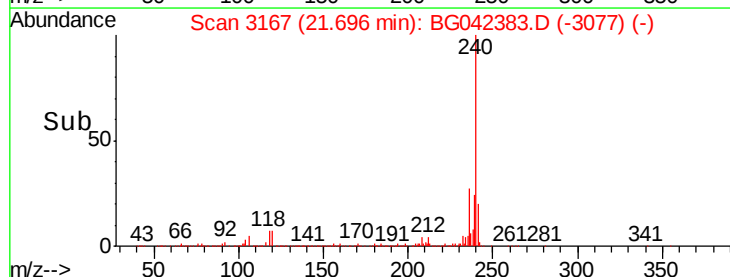


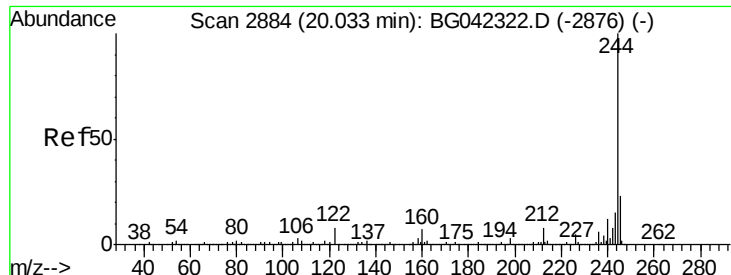
Abundance

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: 62.734 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

Instrument :

BNA_G

ClientSampled :

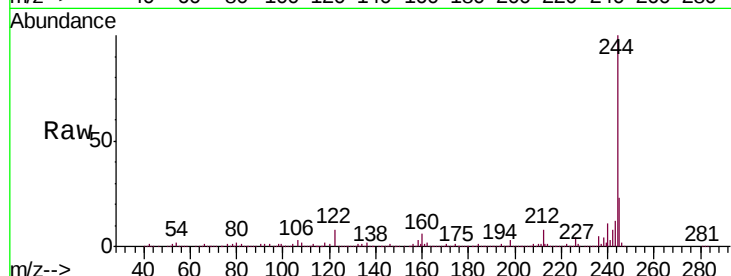
Tot Ion:244 Resp: 1105380

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

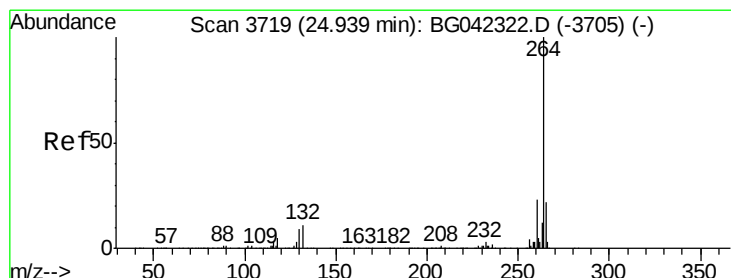
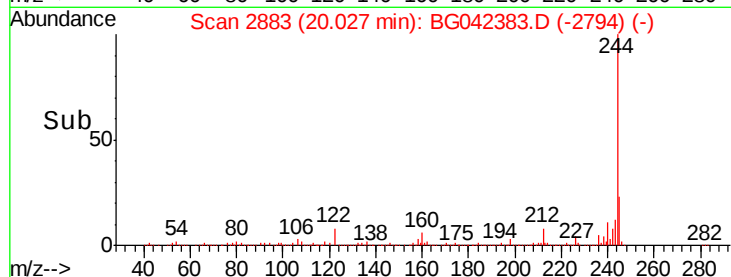
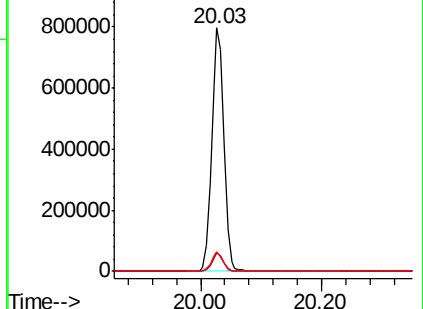
122 8.1 6.6 10.0



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: 24.94 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BG042383.D

Acq: 21 Aug 2019 14:50

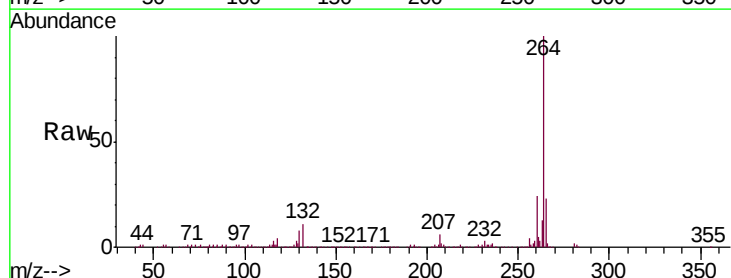
Tgt Ion:264 Resp: 461009

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.7 17.4 26.0



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

