

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042433.D
 Acq On : 23 Aug 2019 14:17
 Operator : HP/JU
 Sample : PB122359BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 17:24:23 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

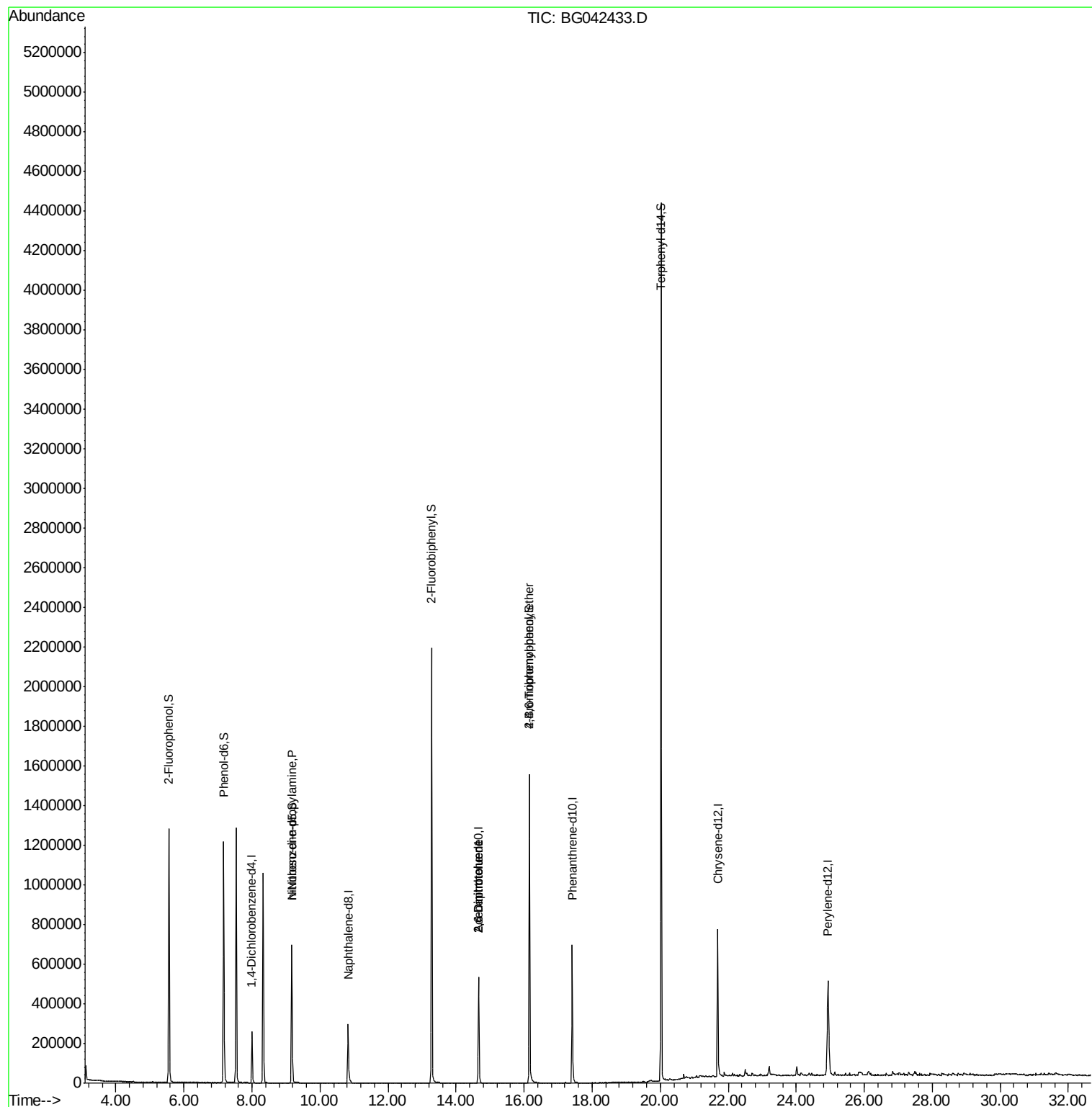
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	85427	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	334923	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	219855	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	493795	20.00	ng	0.00
76) Chrysene-d12	21.69	240	508312	20.00	ng	0.00
87) Perylene-d12	24.93	264	579474	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	677460	160.61	ng	0.00
7) Phenol-d6	7.17	99	883575	155.08	ng	0.00
23) Nitrobenzene-d5	9.17	82	484070	99.88	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	386064	123.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1273404	97.96	ng	0.00
79) Terphenyl-d14	20.03	244	2055645	87.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	59455	16.107	ng	# 73
51) 2,6-Dinitrotoluene	14.66	165	28367	7.715	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	28365	5.387	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	27878	4.451	ng	# 1

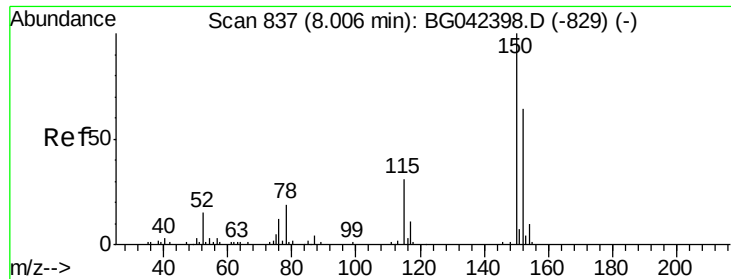
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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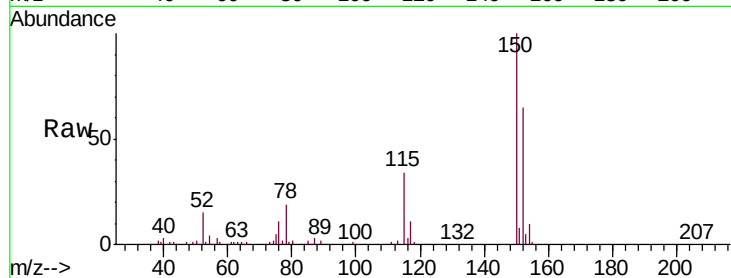


#1

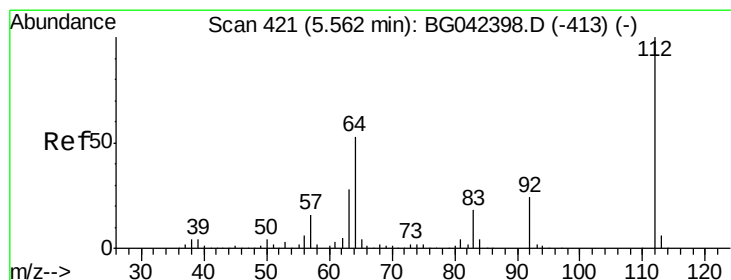
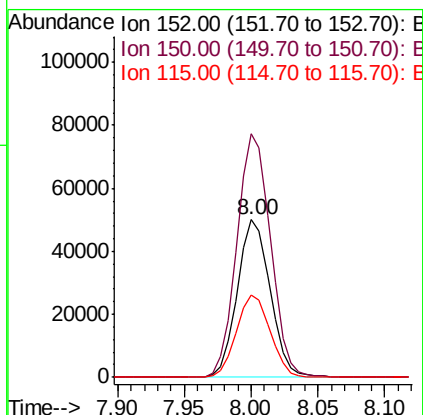
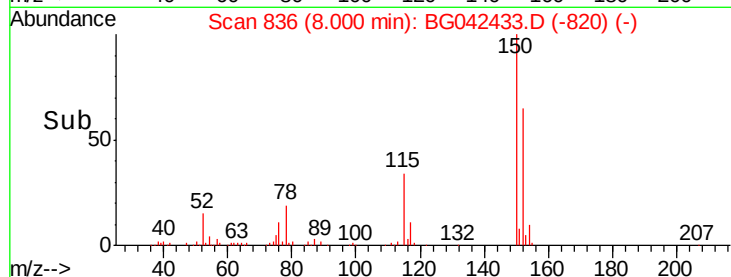
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042433.D
Acq: 23 Aug 2019 14:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 85427
Ion Ratio Lower Upper
152 100
150 154.8 125.4 188.0
115 52.2 38.5 57.7



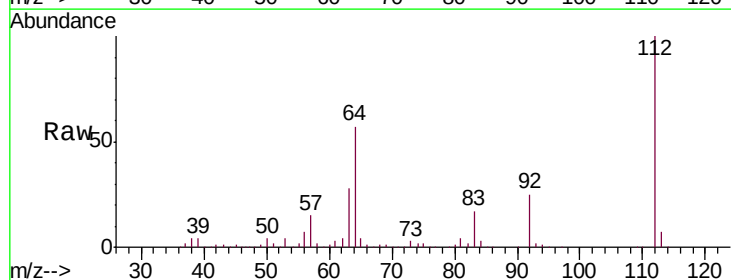
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



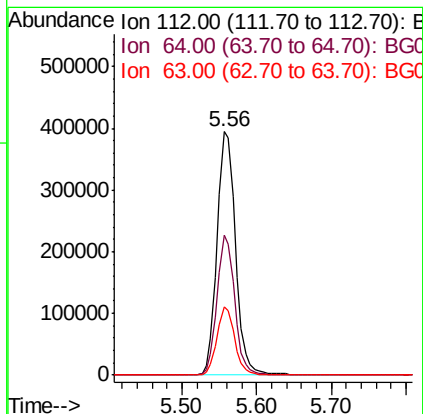
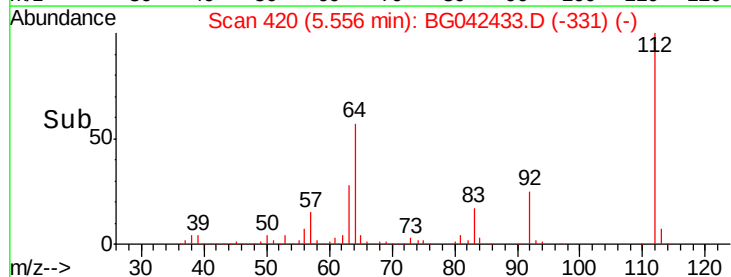
#5

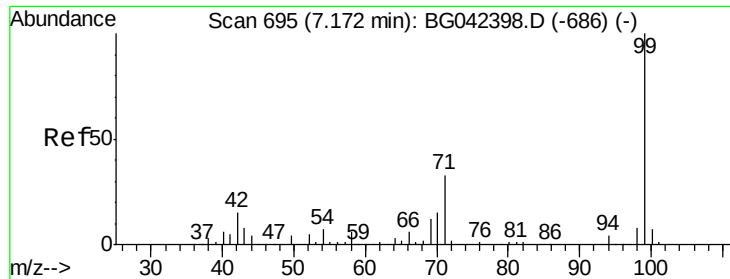
2-Fluorophenol
Concen: 160.611 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042433.D
Acq: 23 Aug 2019 14:17

Tgt Ion:112 Resp: 677460
Ion Ratio Lower Upper
112 100
64 57.2 42.8 64.2
63 28.1 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 155.079 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

Instrument :

BNA_G

ClientSampleId :

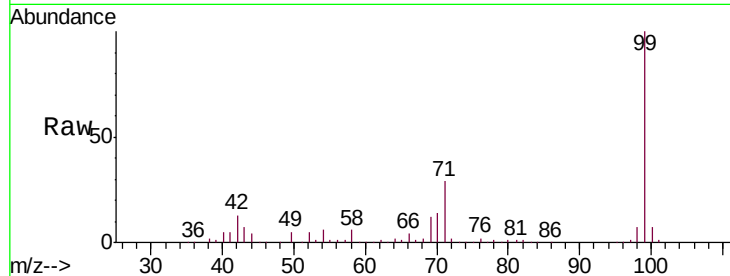
Tot Ion: 99 Resp: 883575

Ion Ratio Lower Upper

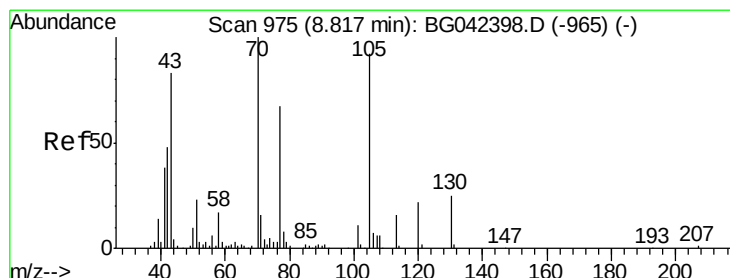
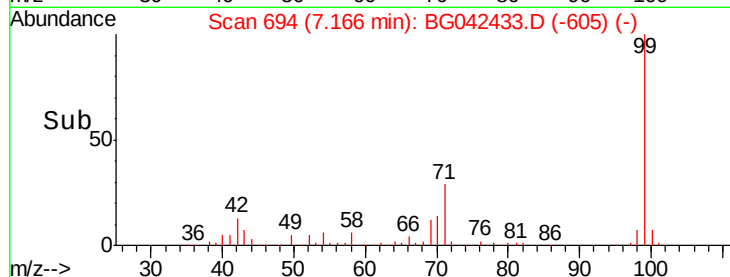
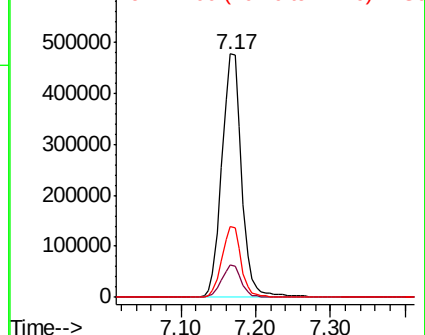
99 100

42 13.3 12.0 18.0

71 29.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.107 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

Tgt Ion: 70 Resp: 59455

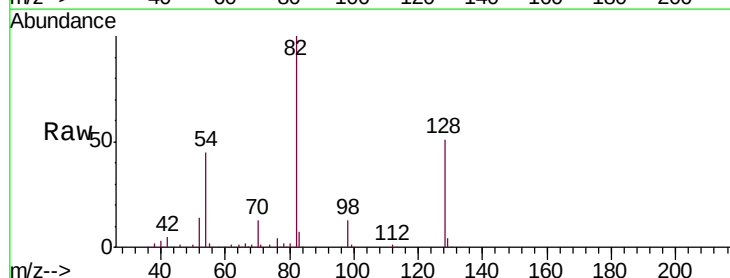
Ion Ratio Lower Upper

70 100

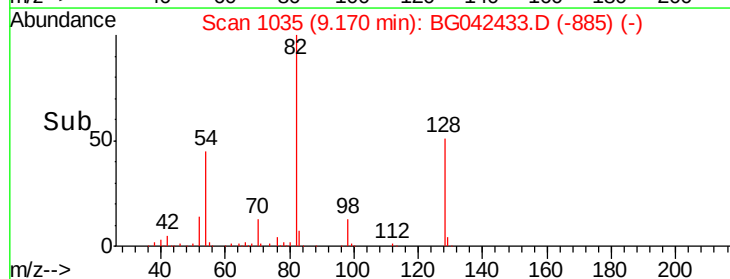
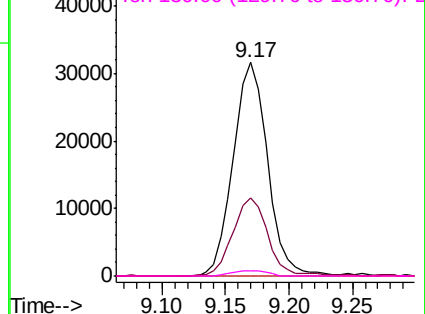
42 36.7 38.8 58.2#

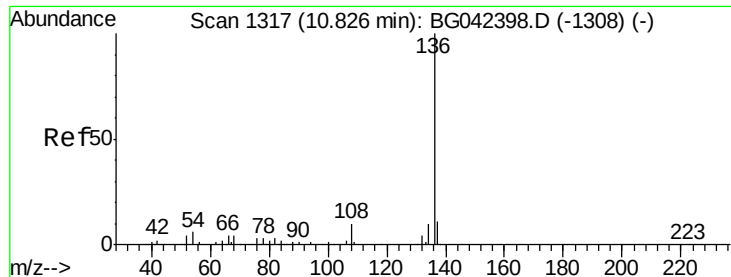
101 0.0 9.0 13.6#

130 2.6 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

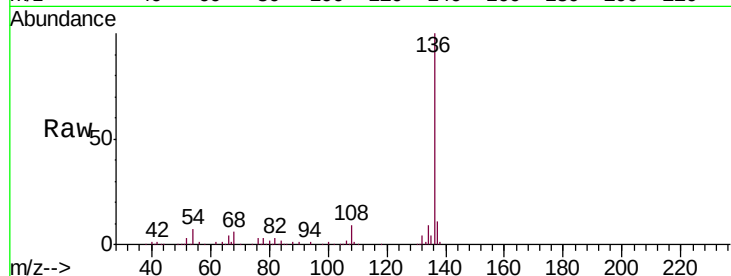




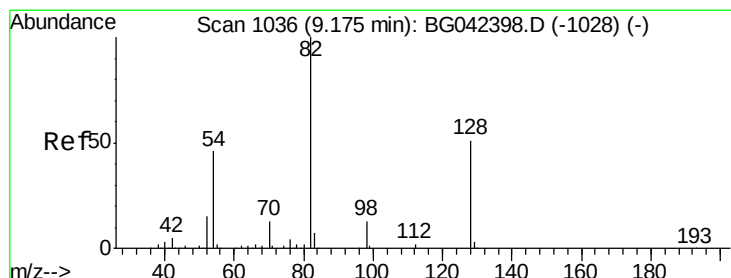
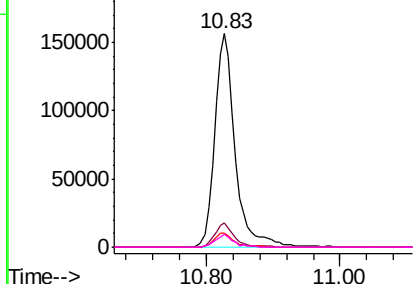
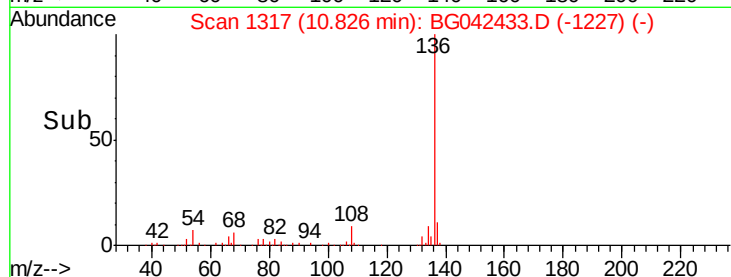
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042433.D
Acq: 23 Aug 2019 14:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	334923
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.7	13.1
54 6.7	4.9	7.3
68 5.8	3.6	5.4#

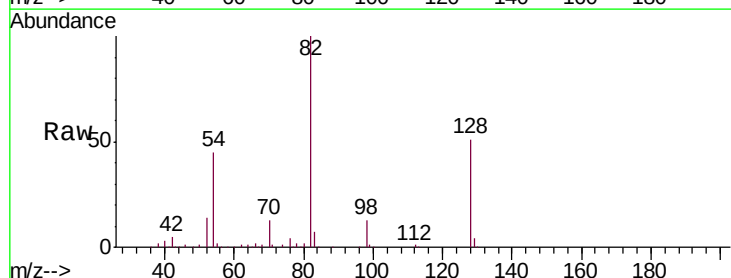


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

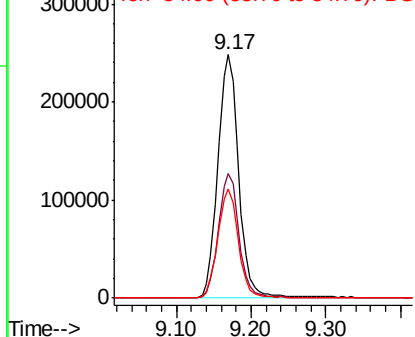
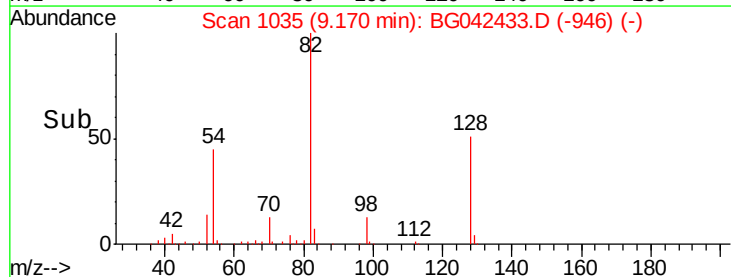


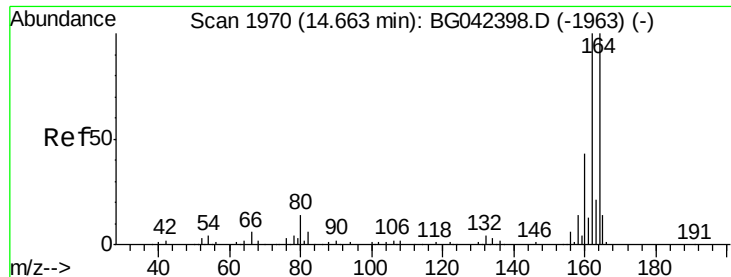
#23
Nitrobenzene-d5
Concen: 99.877 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042433.D
Acq: 23 Aug 2019 14:17

Tgt Ion: 82	Resp: 484070
Ion Ratio	Lower Upper
82 100	
128 51.4	40.7 61.1
54 45.1	36.3 54.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

Instrument :

BNA_G

ClientSampleId :

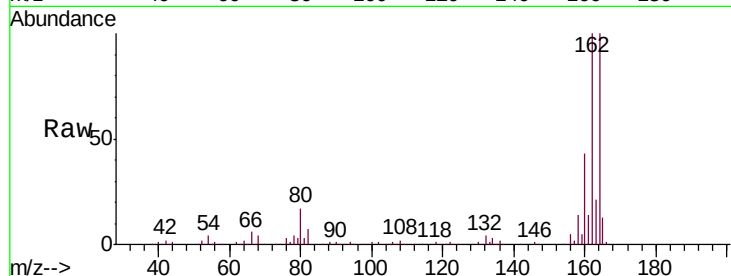
Tot Ion:164 Resp: 219855

Ion Ratio Lower Upper

164 100

162 99.7 79.9 119.9

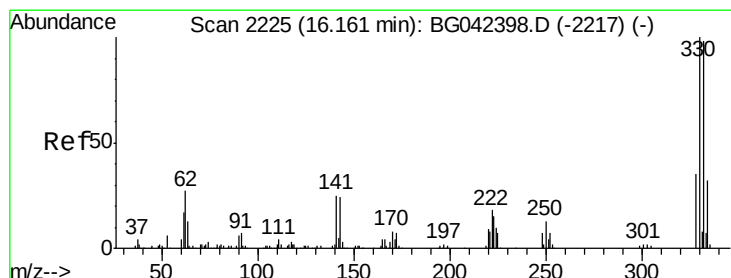
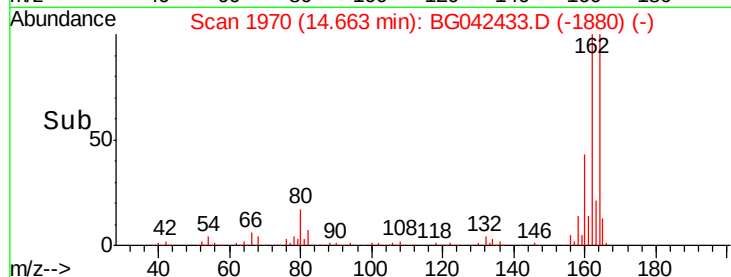
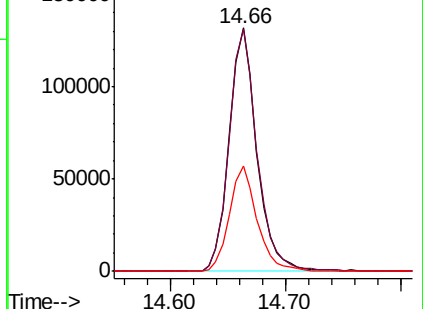
160 43.2 34.3 51.5



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: 123.545 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

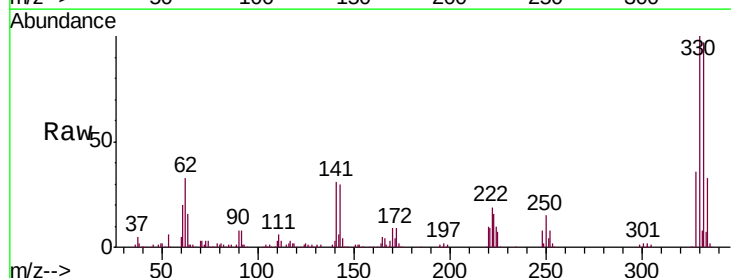
Tgt Ion:330 Resp: 386064

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

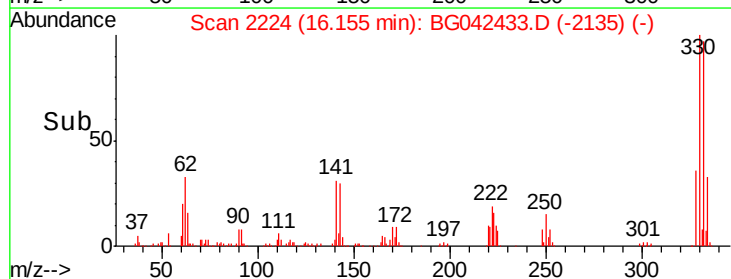
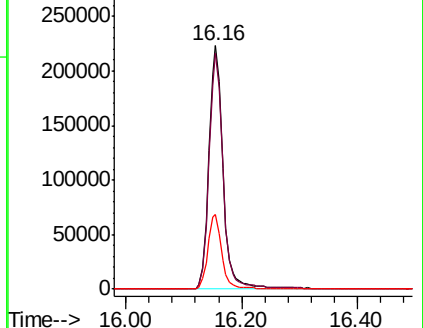
141 30.4 21.4 32.0

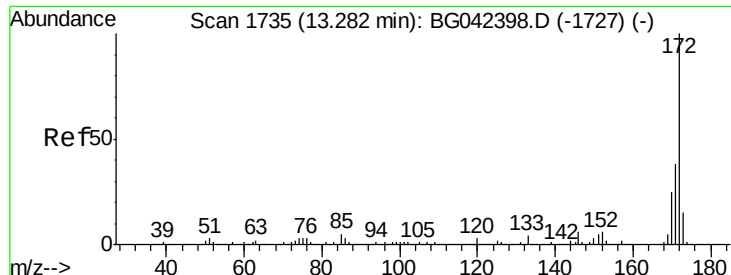


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



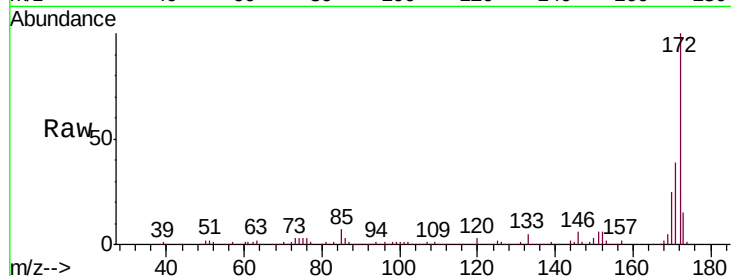


#45
 2-Fluorobiphenyl
 Concen: 97.959 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG042433.D
 Acq: 23 Aug 2019 14:17

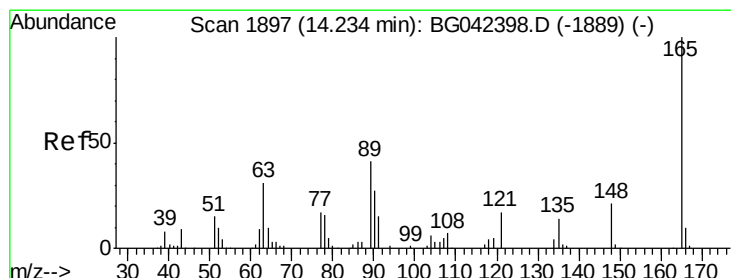
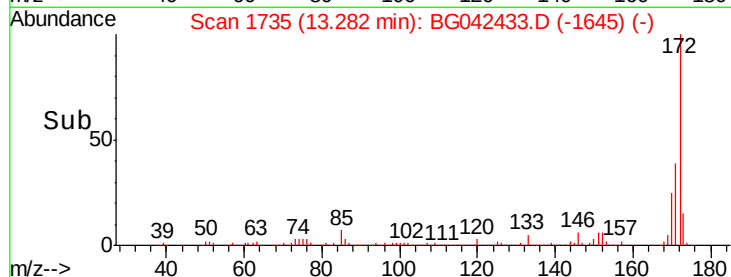
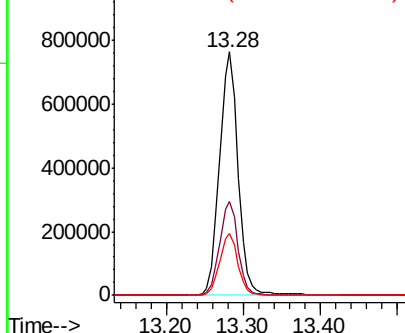
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1273404

Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.5	45.7
170	25.3	20.2	30.2



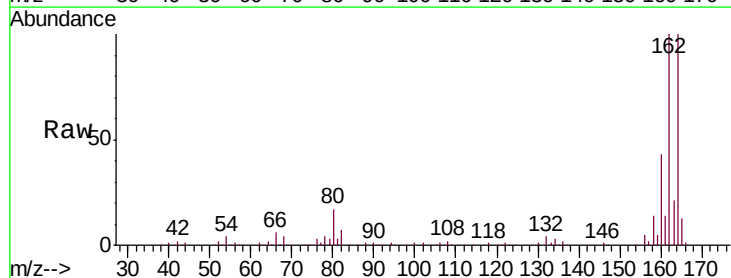
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



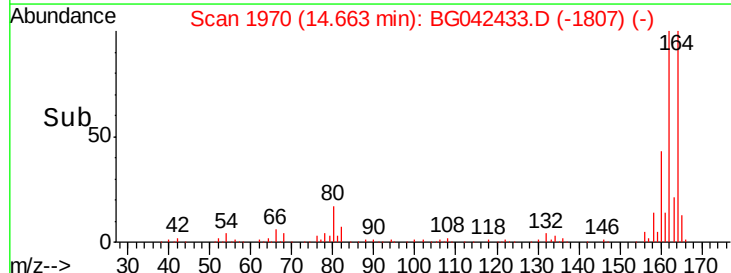
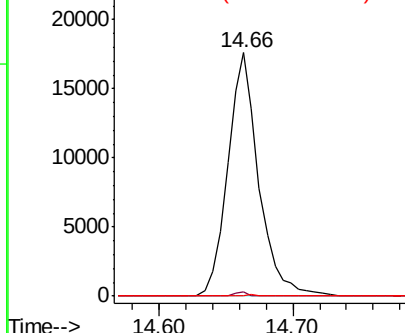
#51
 2,6-Dinitrotoluene
 Concen: 7.715 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042433.D
 Acq: 23 Aug 2019 14:17

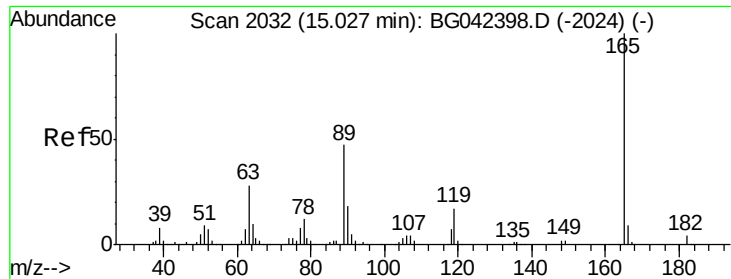
Tgt Ion:165 Resp: 28367

Ion	Ratio	Lower	Upper
165	100		
63	1.8	30.6	45.8#
89	0.0	32.6	49.0#



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: 5.387 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 28365

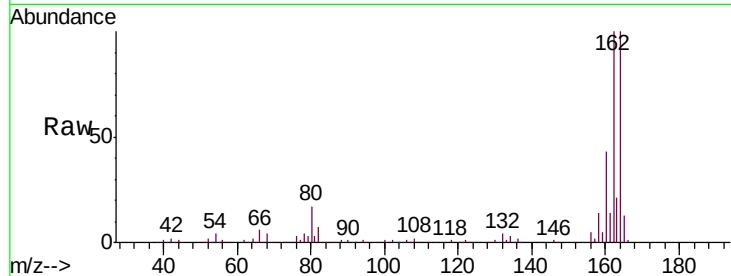
Ion Ratio Lower Upper

165 100

63 1.8 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

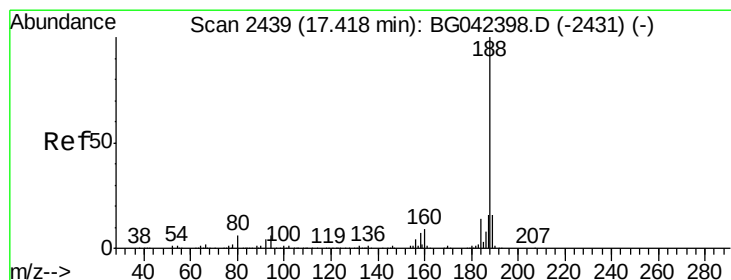
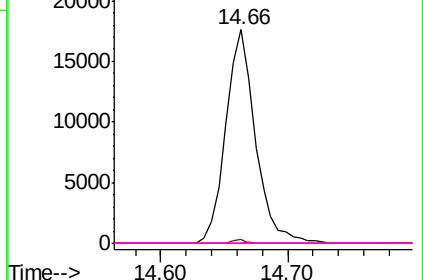
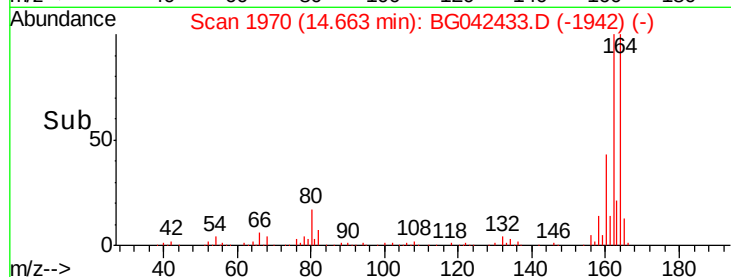


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042433.D

Acq: 23 Aug 2019 14:17

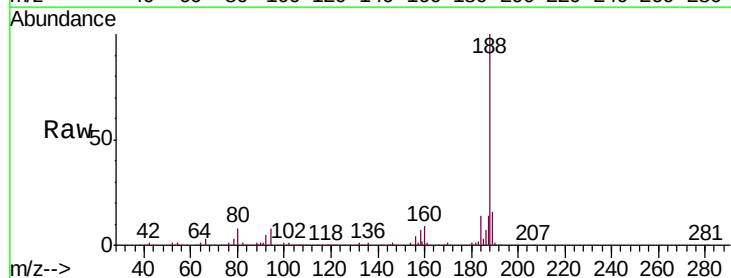
Tgt Ion:188 Resp: 493795

Ion Ratio Lower Upper

188 100

94 7.7 4.5 6.7#

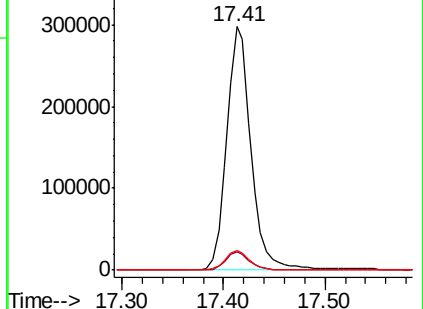
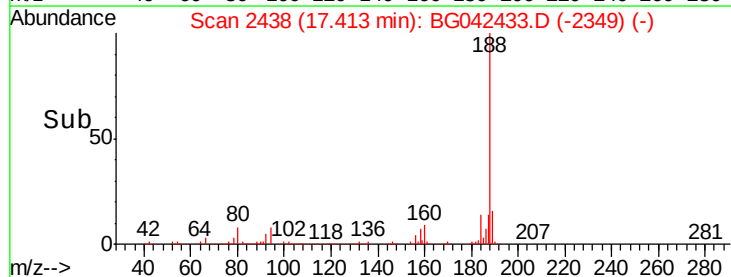
80 8.0 4.9 7.3#

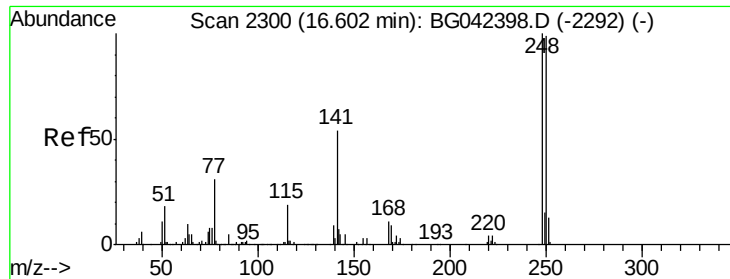


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

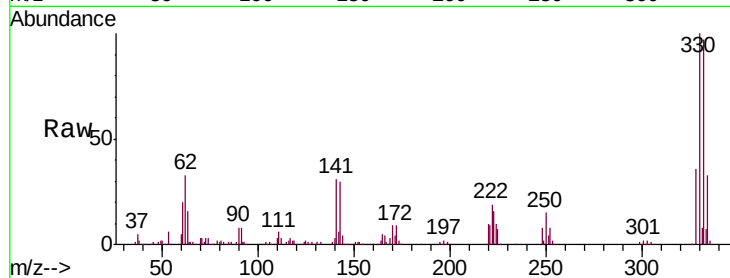




#67
 4-Bromophenyl-phenylether
 Concen: 4.451 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042433.D
 Acq: 23 Aug 2019 14:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.1	78.9	118.3#
141	399.7	43.3	64.9#

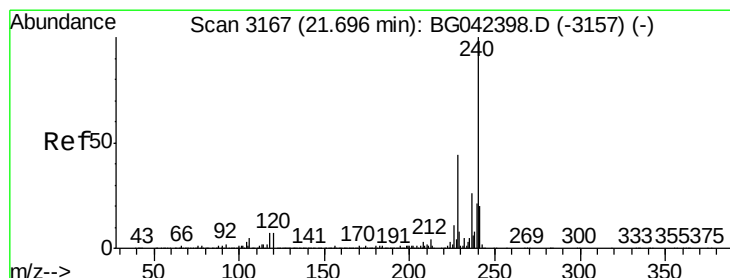
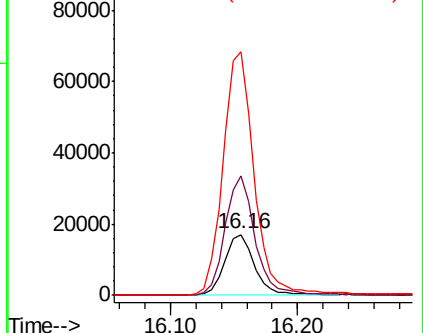
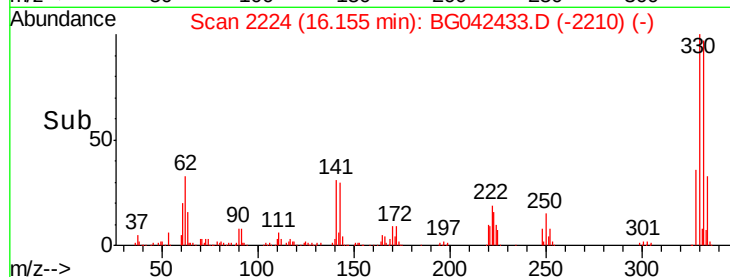


Abundance

Ion 248.00 (247.70 to 248.70): E

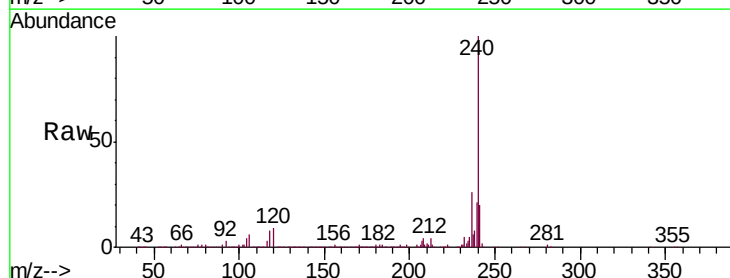
Ion 250.00 (249.70 to 250.70): E

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: BG042433.D
 Acq: 23 Aug 2019 14:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	5.7	8.5#
236	25.5	21.0	31.4

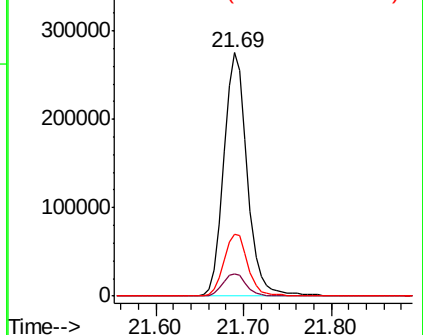
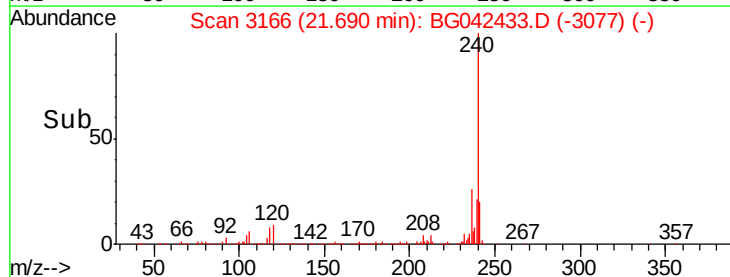


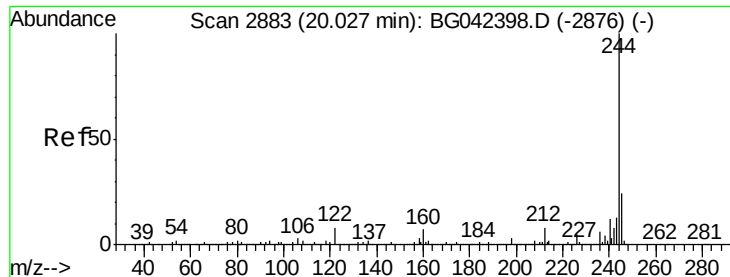
Abundance

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: 87.429 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042433.D

Acq: 23 Aug 2019 14:17

Instrument :

BNA_G

ClientSampleId :

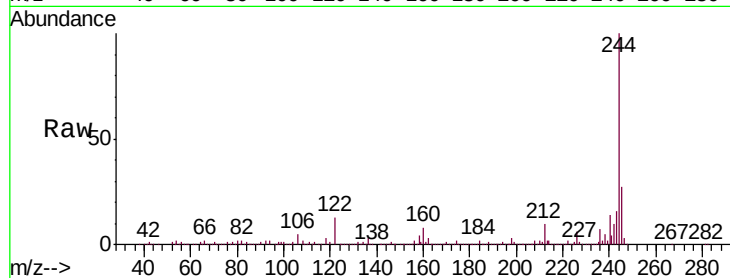
Tot Ion:244 Resp: 2055645

Ion Ratio Lower Upper

244 100

212 9.5 6.0 9.0#

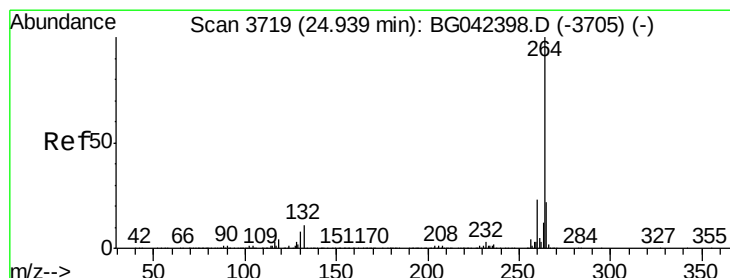
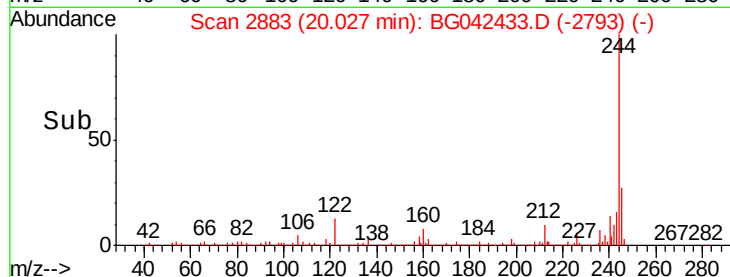
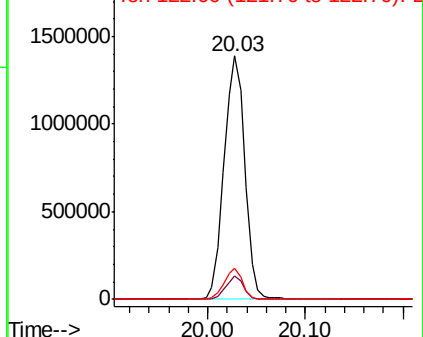
122 12.8 6.7 10.1#



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: BG042433.D

Acq: 23 Aug 2019 14:17

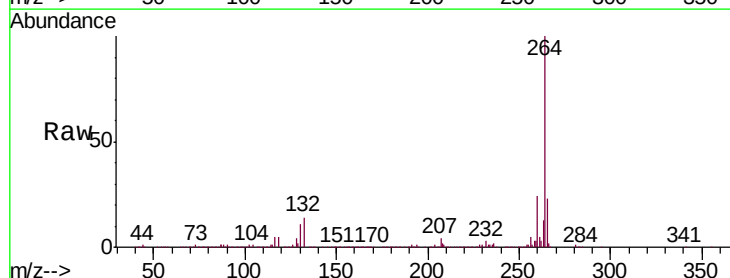
Tgt Ion:264 Resp: 579474

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 23.1 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

