

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042531.D
 Acq On : 28 Aug 2019 13:59
 Operator : HP/JU
 Sample : PB122619BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 15:43:31 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

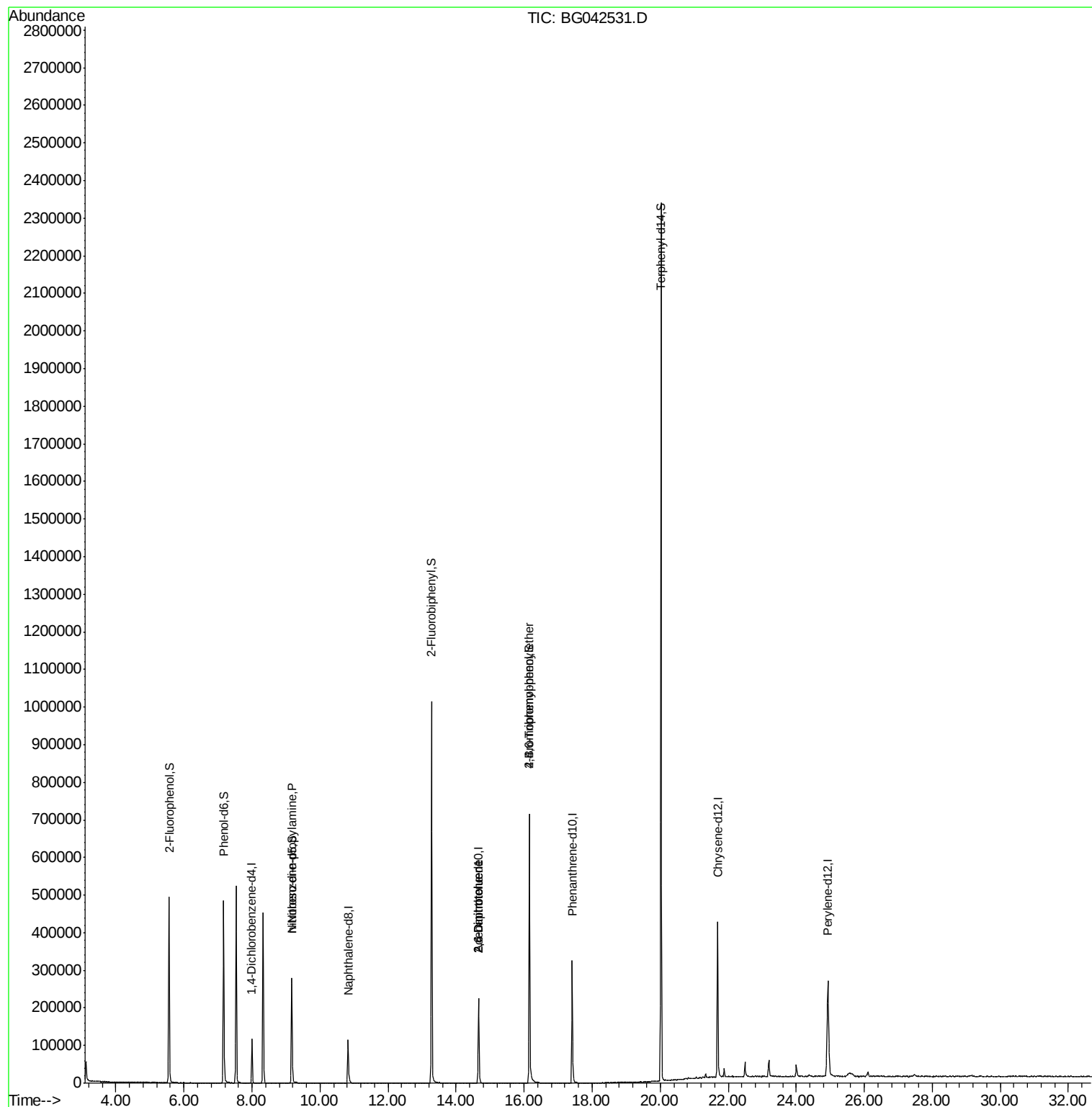
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37692	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	138977	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	103698	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	257304	20.00	ng	0.00
76) Chrysene-d12	21.69	240	288298	20.00	ng	0.00
87) Perylene-d12	24.93	264	327848	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	256798	137.98	ng	0.00
7) Phenol-d6	7.17	99	333075	132.49	ng	0.00
23) Nitrobenzene-d5	9.17	82	189083	94.02	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	212112	143.91	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	635313	103.62	ng	0.00
79) Terphenyl-d14	20.02	244	1279132	95.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	24307	14.925	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	13476	7.770	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13476	5.426	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13762	4.217	ng	# 1

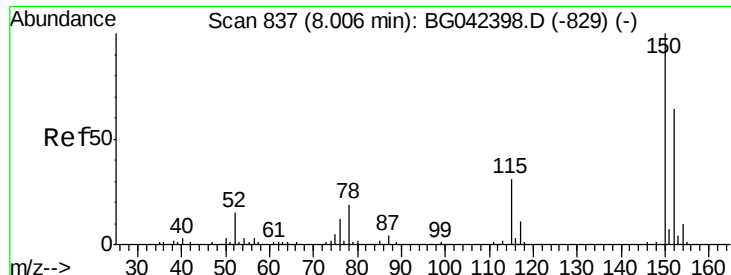
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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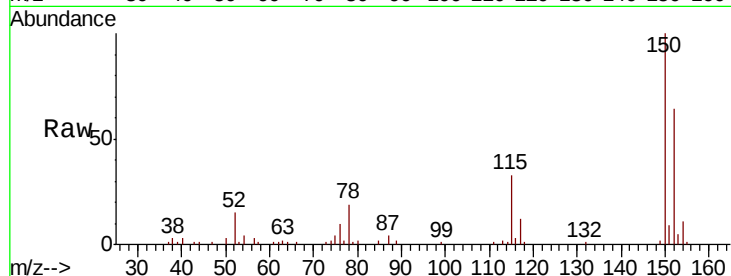


#1

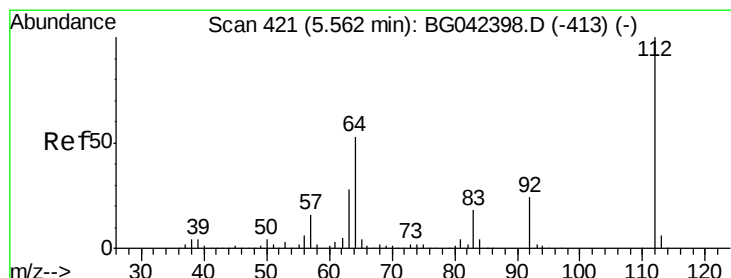
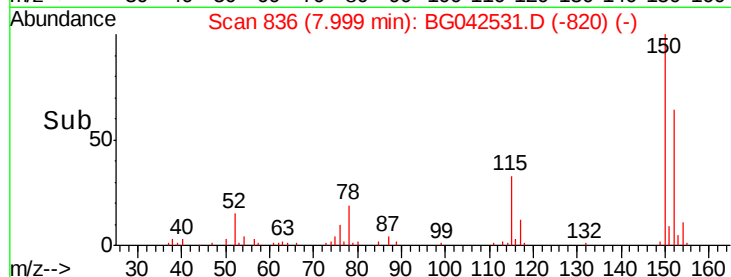
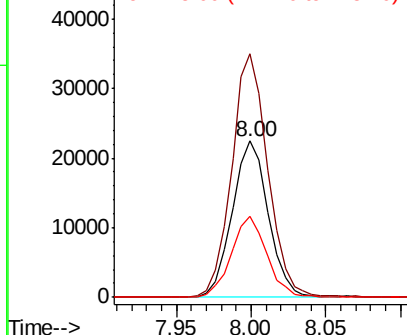
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042531.D
Acq: 28 Aug 2019 13:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 37692
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.0
115 52.0 38.5 57.7



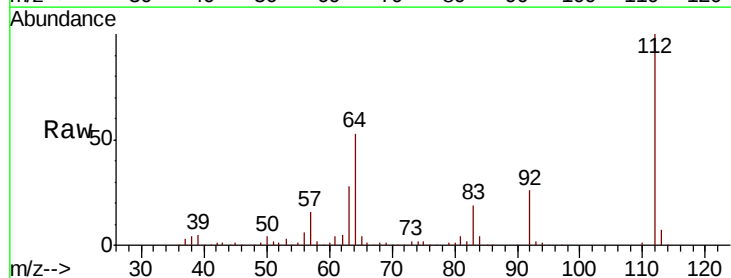
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



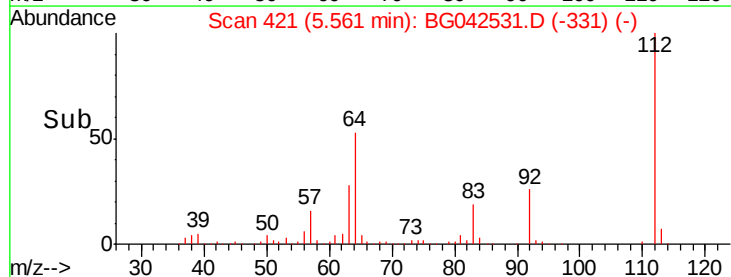
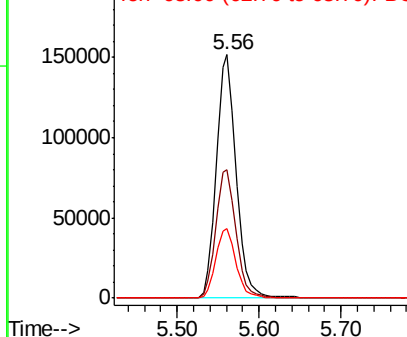
#5

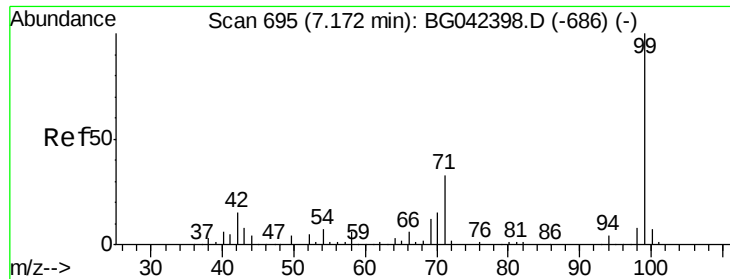
2-Fluorophenol
Concen: 137.984 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG042531.D
Acq: 28 Aug 2019 13:59

Tgt Ion:112 Resp: 256798
Ion Ratio Lower Upper
112 100
64 52.5 42.8 64.2
63 28.4 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: 132.494 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042531.D

Acq: 28 Aug 2019 13:59

Instrument :

BNA_F

ClientSampled :

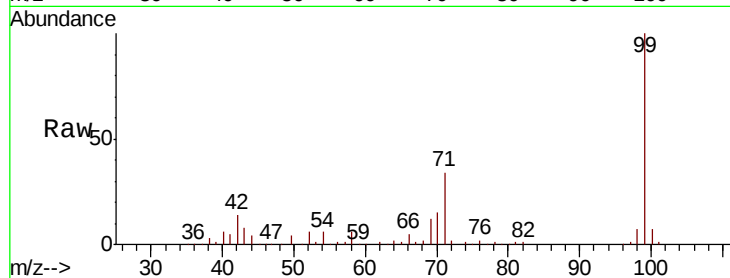
Tot Ion: 99 Resp: 333075

Ion Ratio Lower Upper

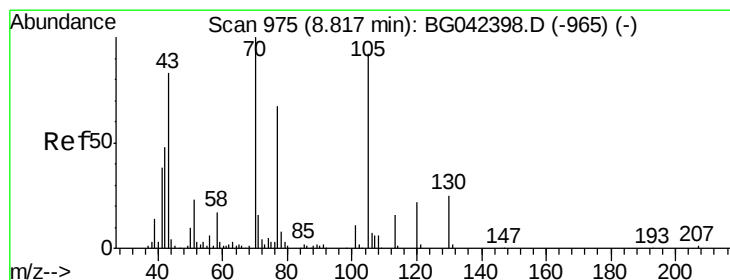
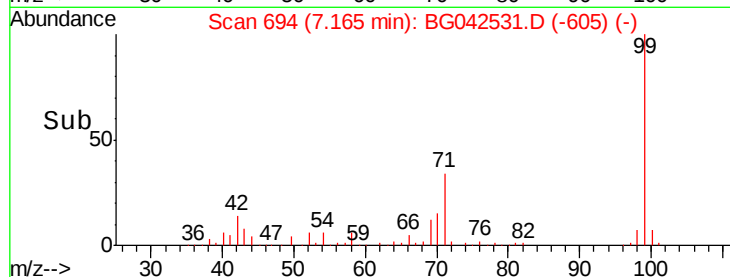
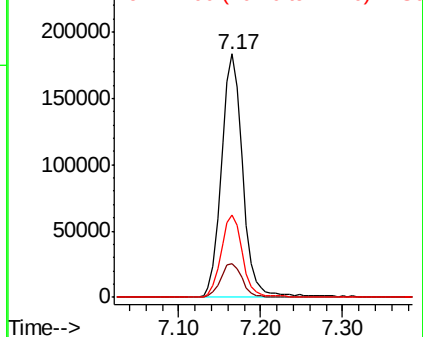
99 100

42 14.0 12.0 18.0

71 33.7 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: 14.925 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042531.D

Acq: 28 Aug 2019 13:59

Tgt Ion: 70 Resp: 24307

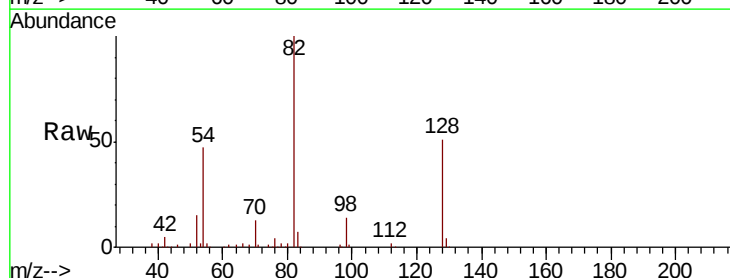
Ion Ratio Lower Upper

70 100

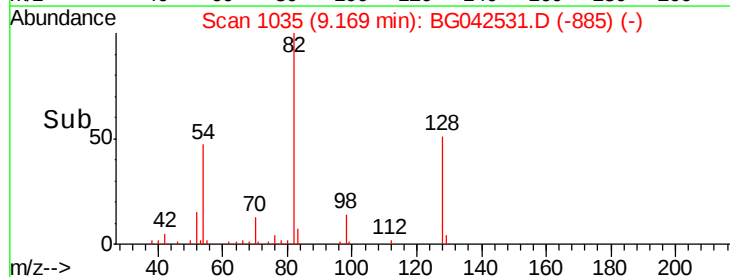
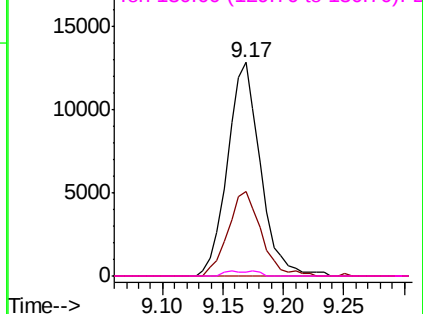
42 39.6 38.8 58.2

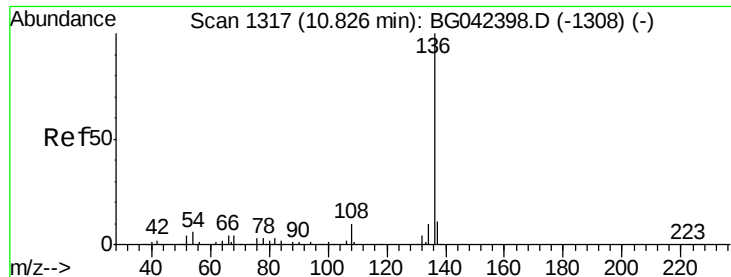
101 0.0 9.0 13.6#

130 1.9 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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042531.D

Acq: 28 Aug 2019 13:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 138977

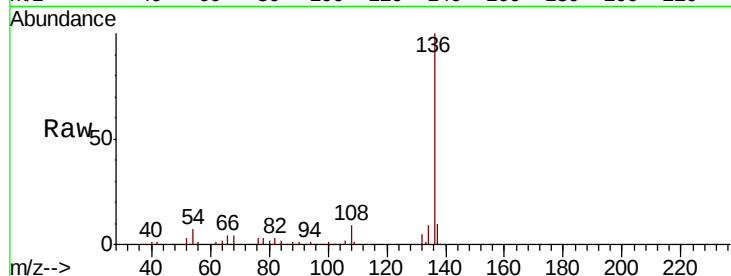
Ion Ratio Lower Upper

136 100

137 10.0 8.7 13.1

54 6.8 4.9 7.3

68 3.9 3.6 5.4

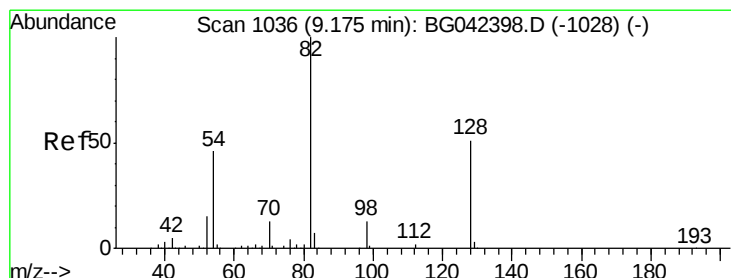
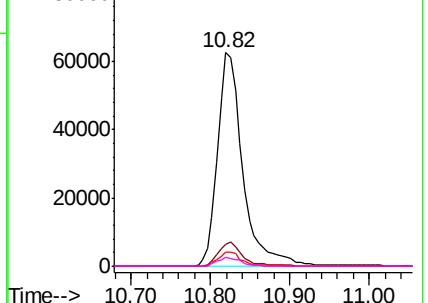
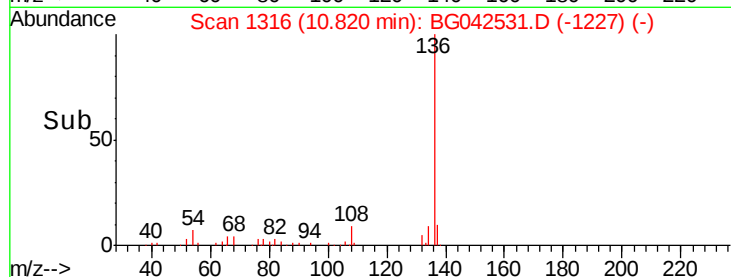


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.018 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042531.D

Acq: 28 Aug 2019 13:59

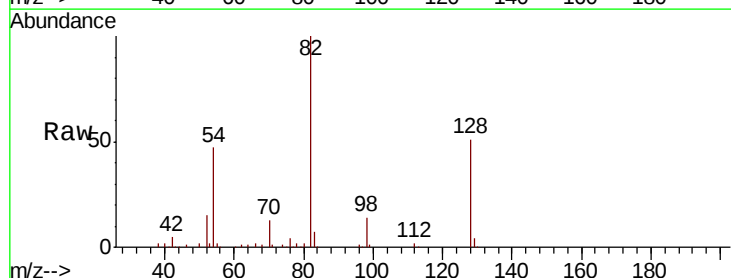
Tgt Ion: 82 Resp: 189083

Ion Ratio Lower Upper

82 100

128 50.8 40.7 61.1

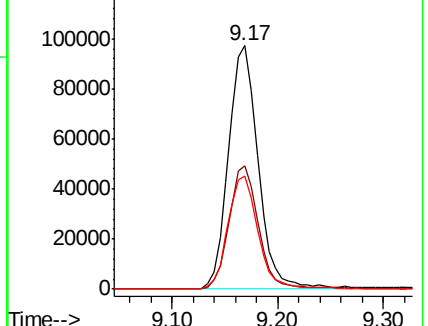
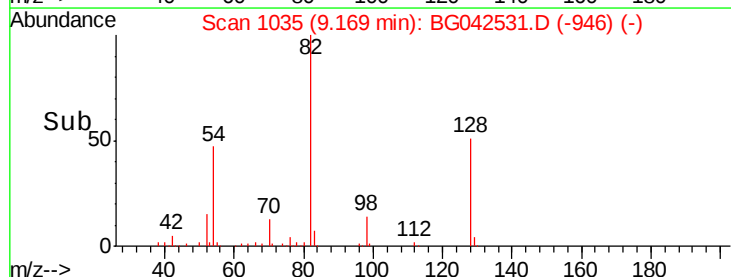
54 46.6 36.3 54.5

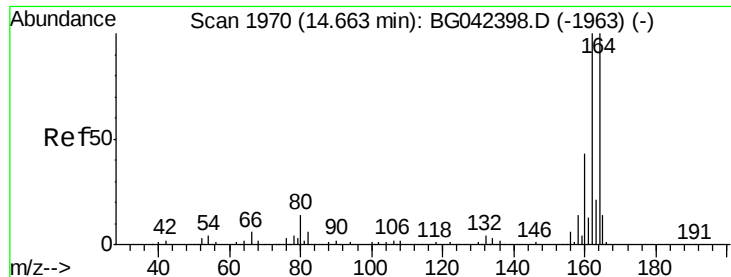


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG

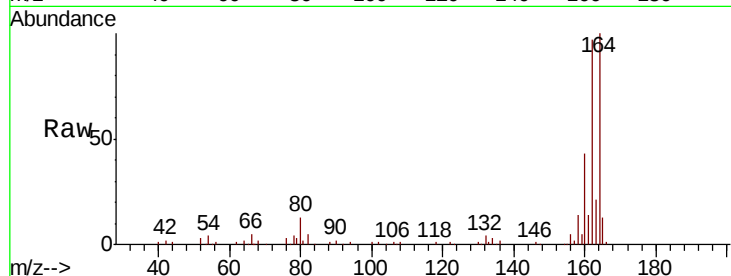




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042531.D
Acq: 28 Aug 2019 13:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.9	119.9
160	42.8	34.3	51.5

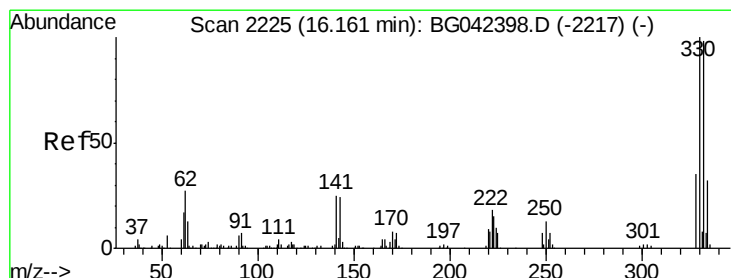
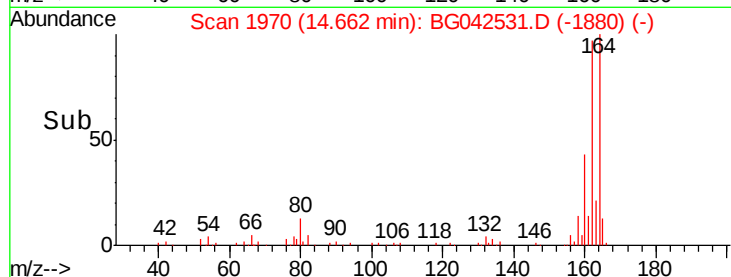
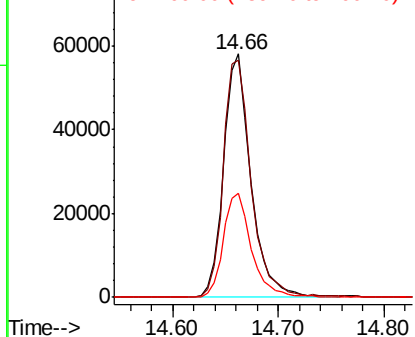


Abundance

Ion 164.00 (163.70 to 164.70): E

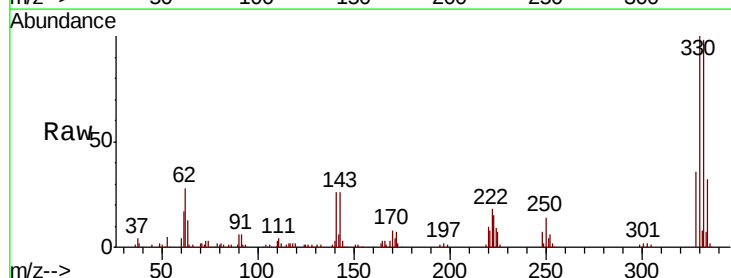
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 143.912 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG042531.D
Acq: 28 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.0
141	26.7	21.4	32.0

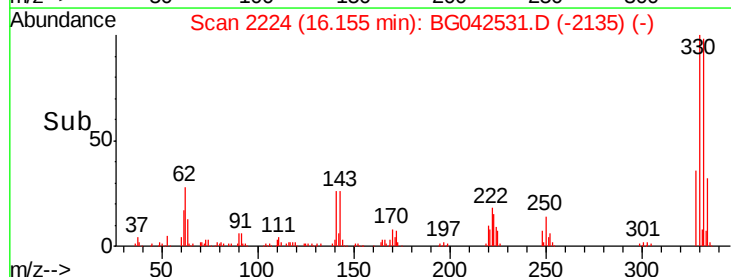
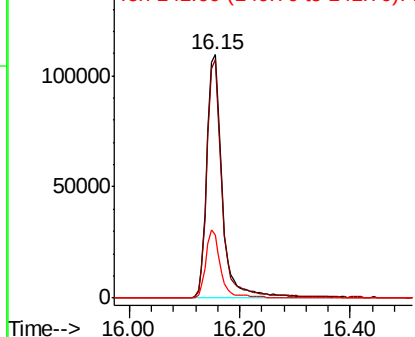


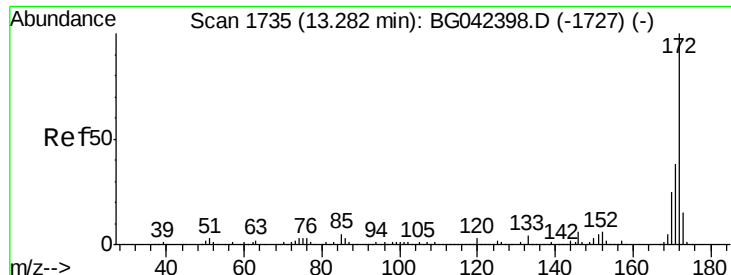
Abundance

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

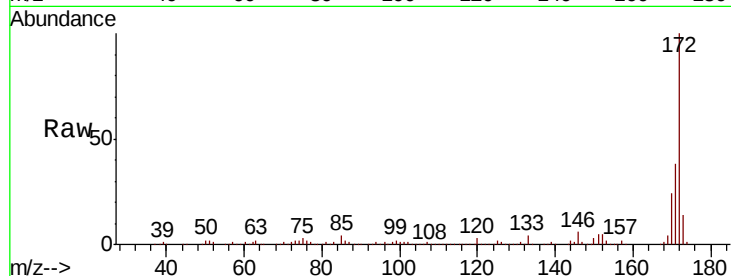




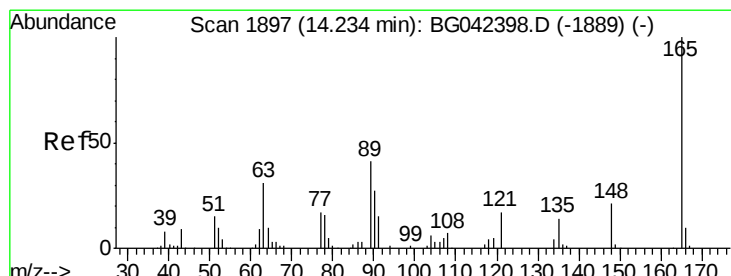
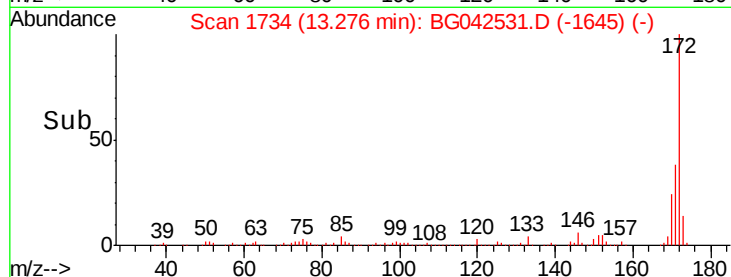
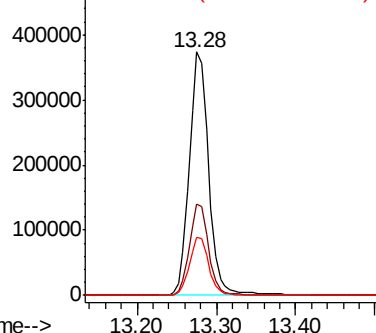
#45
 2-Fluorobiphenyl
 Concen: 103.618 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042531.D
 Acq: 28 Aug 2019 13:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.5	45.7
170	23.6	20.2	30.2

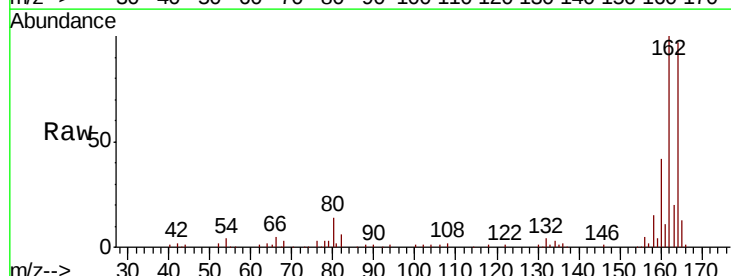


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

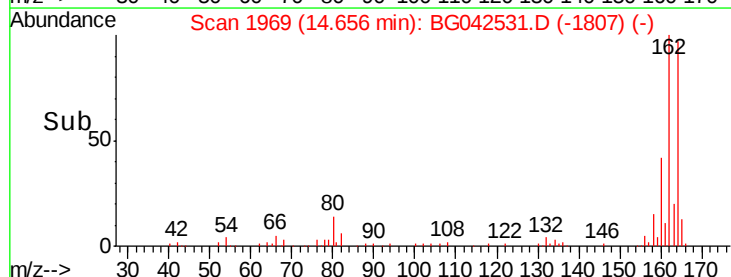
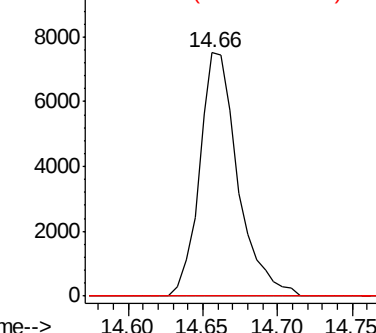


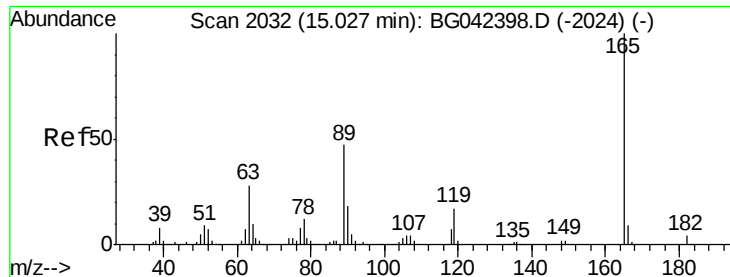
#51
 2,6-Dinitrotoluene
 Concen: 7.770 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042531.D
 Acq: 28 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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): BG
 Ion 89.00 (88.70 to 89.70): BG

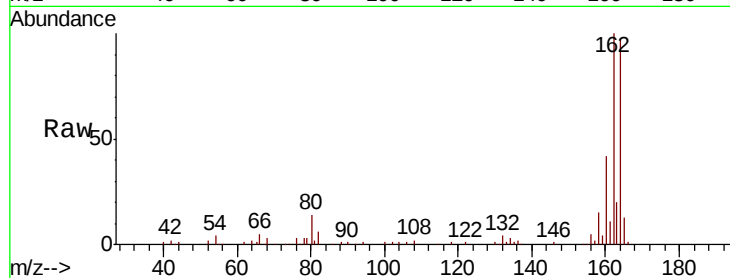




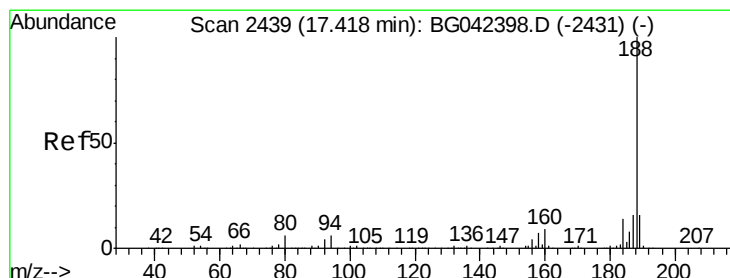
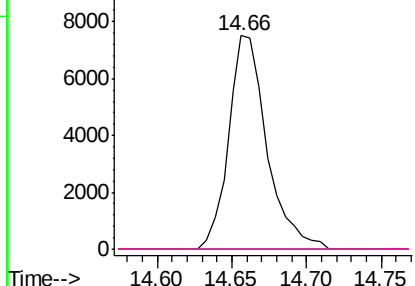
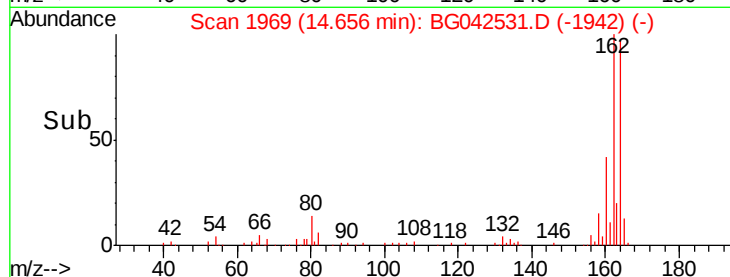
#57
 2,4-Dinitrotoluene
 Concen: 5.426 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042531.D
 Acq: 28 Aug 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

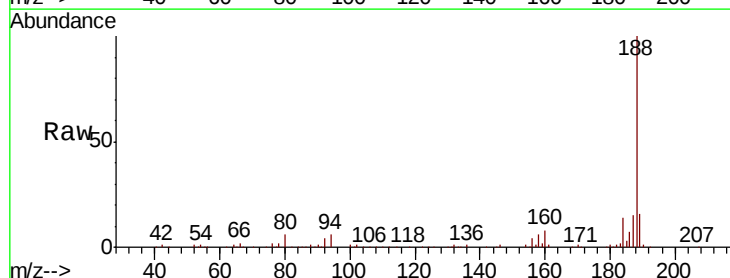


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

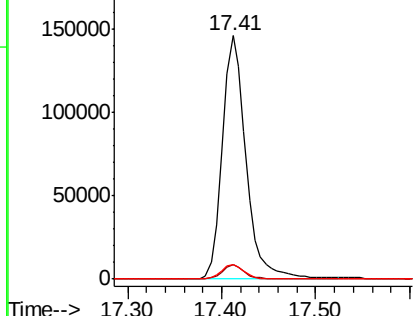
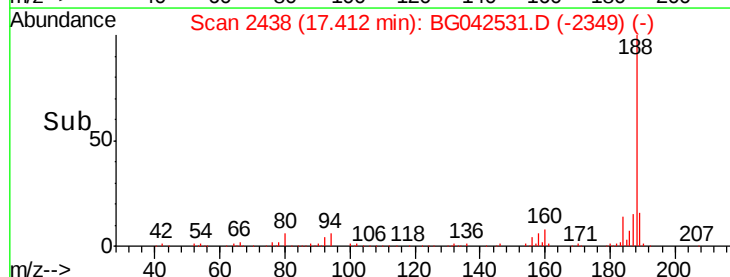


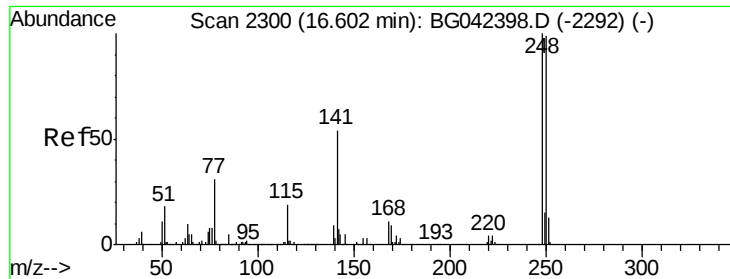
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042531.D
 Acq: 28 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.5	6.7
80	5.9	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

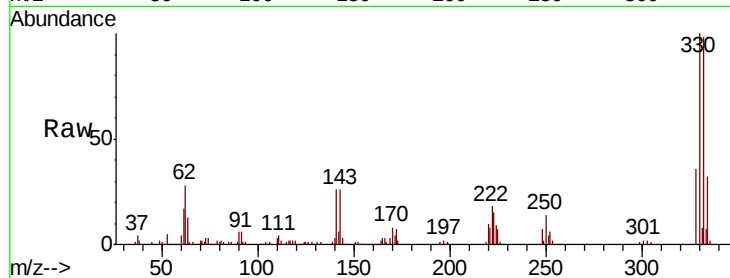




#67
 4-Bromophenyl-phenylether
 Concen: 4.217 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042531.D
 Acq: 28 Aug 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	184.7	78.9	118.3#
141	352.7	43.3	64.9#

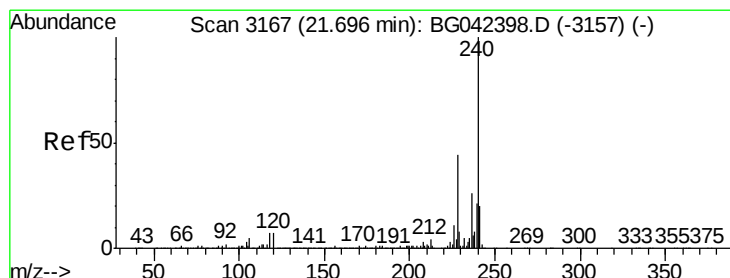
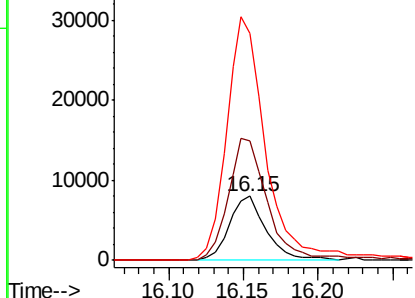
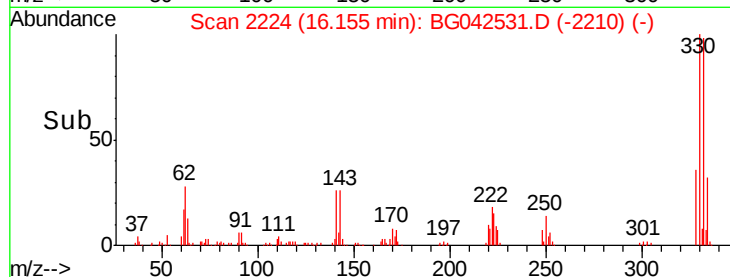


Abundance

Ion 248.00 (247.70 to 248.70): E

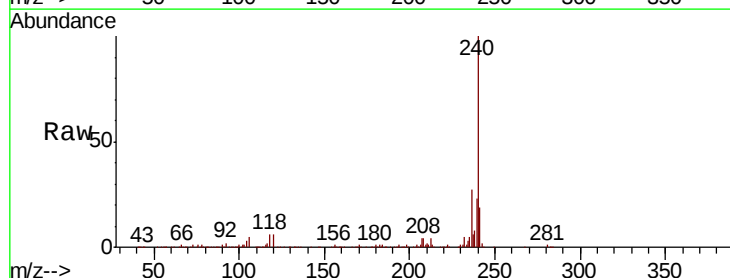
Ion 250.00 (249.70 to 250.70): E

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: BG042531.D
 Acq: 28 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.7	8.5
236	27.0	21.0	31.4

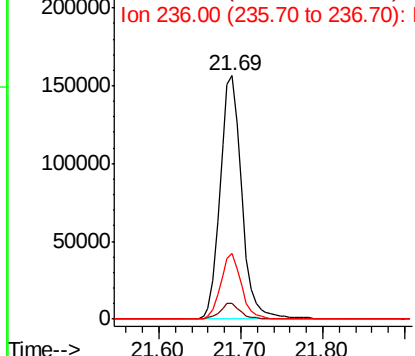
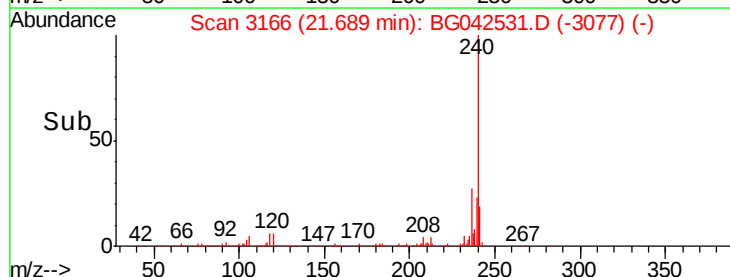


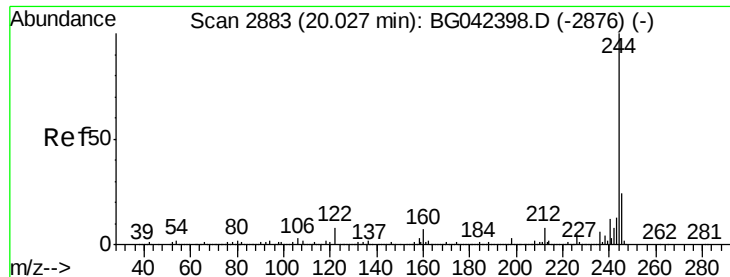
Abundance

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: 95.921 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042531.D

Acq: 28 Aug 2019 13:59

Instrument :

BNA_F

ClientSampleId :

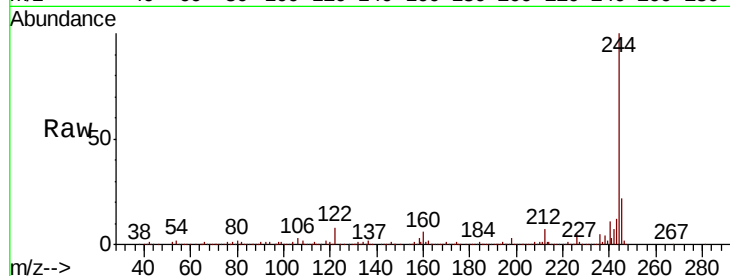
Tot Ion:244 Resp: 1279132

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

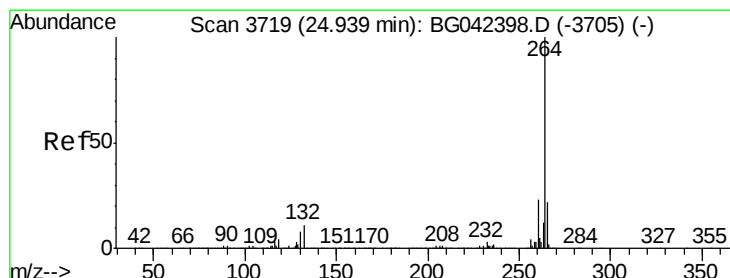
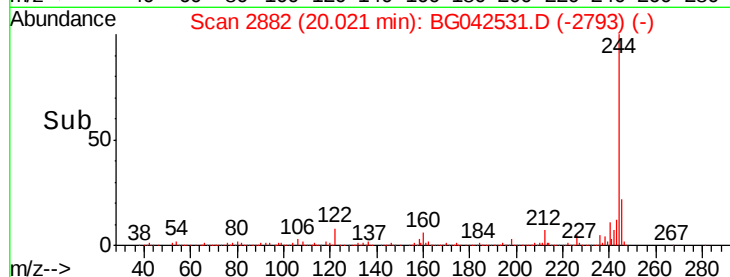
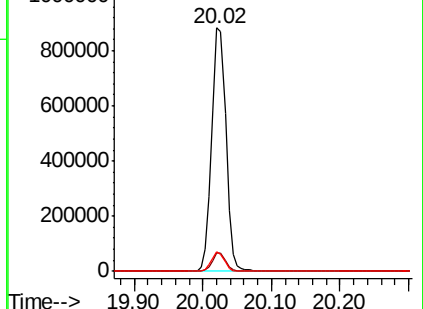
122 8.1 6.7 10.1



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: BG042531.D

Acq: 28 Aug 2019 13:59

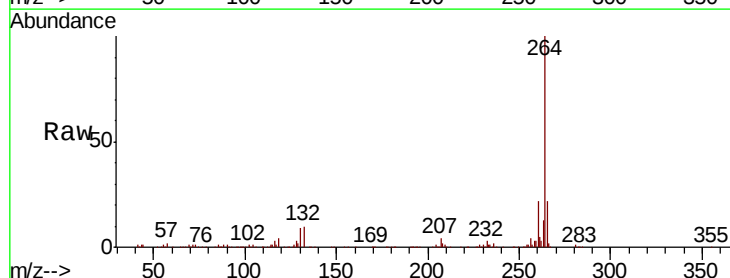
Tgt Ion:264 Resp: 327848

Ion Ratio Lower Upper

264 100

260 22.4 18.5 27.7

265 21.7 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

