

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042527.D
 Acq On : 28 Aug 2019 10:01
 Operator : HP/JU
 Sample : PB122598BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 15:14:05 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

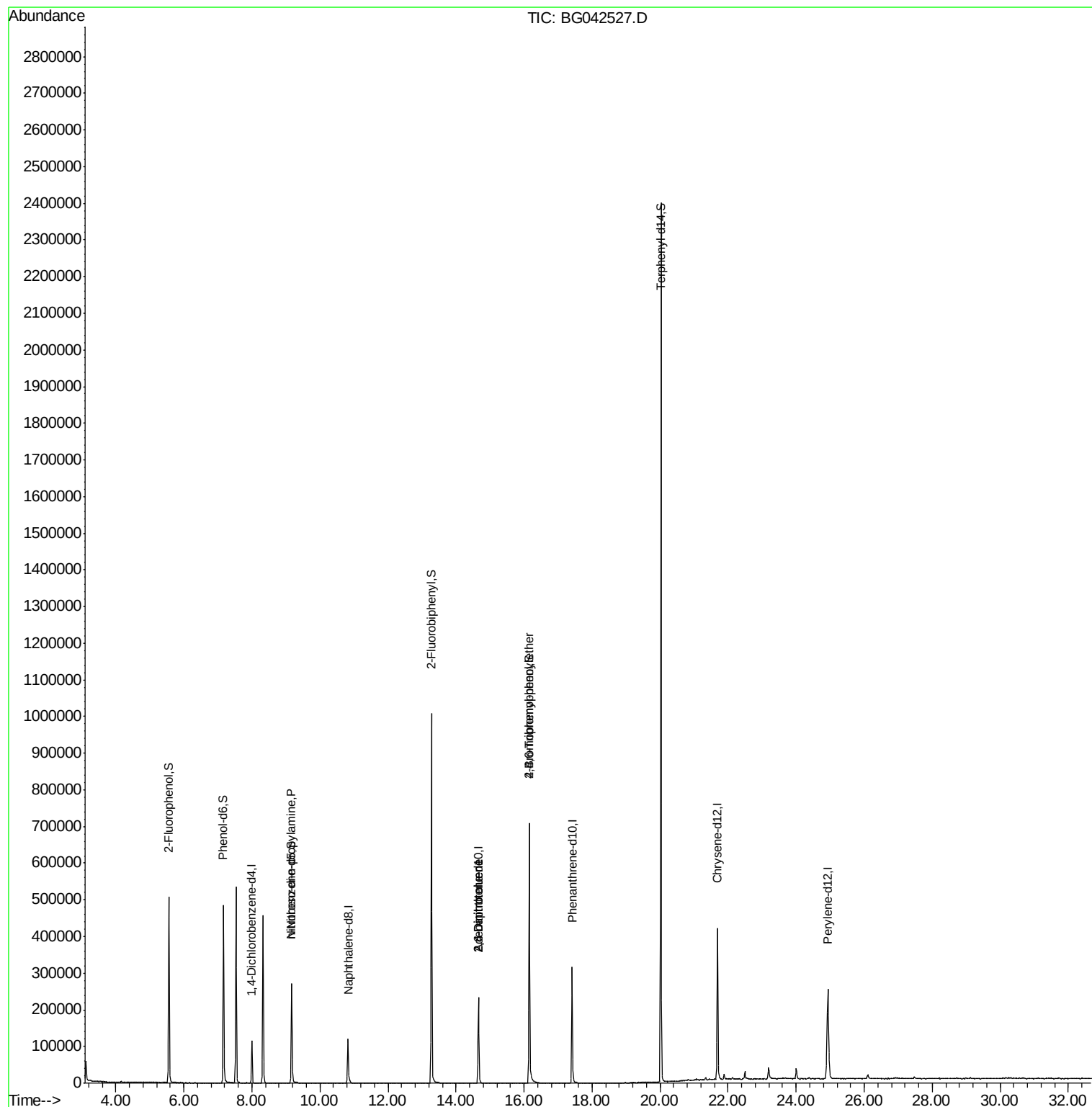
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37777	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	140587	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	102411	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	253273	20.00	ng	0.00
76) Chrysene-d12	21.69	240	287365	20.00	ng	0.00
87) Perylene-d12	24.92	264	327850	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	258212	138.43	ng	0.00
7) Phenol-d6	7.16	99	329371	130.73	ng	0.00
23) Nitrobenzene-d5	9.17	82	191197	93.98	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	205401	141.11	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	627437	103.62	ng	0.00
79) Terphenyl-d14	20.02	244	1278609	96.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	25145	15.405	ng	# 74
51) 2,6-Dinitrotoluene	14.66	165	13627	7.956	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13627	5.556	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13663	4.253	ng	# 1

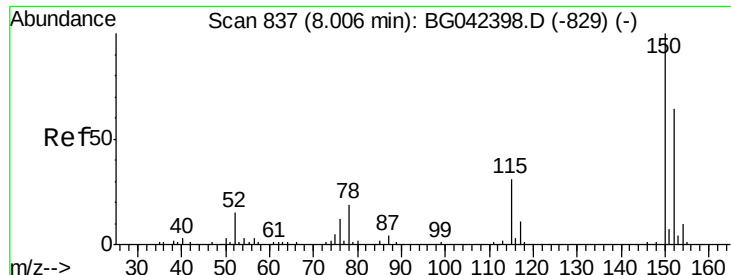
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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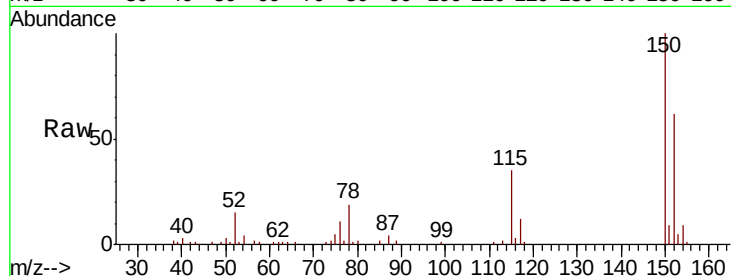


#1

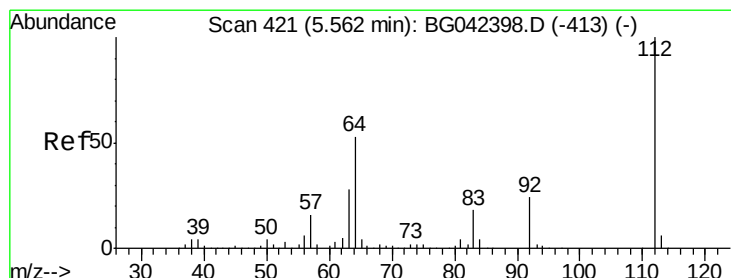
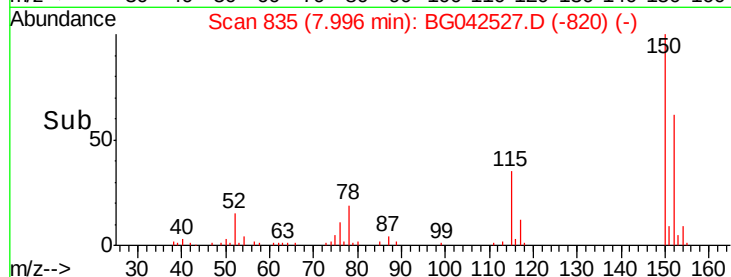
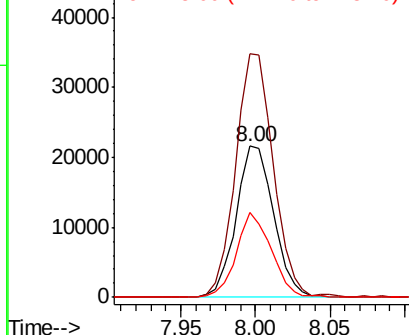
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042527.D
Acq: 28 Aug 2019 10:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 37777
Ion Ratio Lower Upper
152 100
150 161.1 125.4 188.0
115 55.9 38.5 57.7



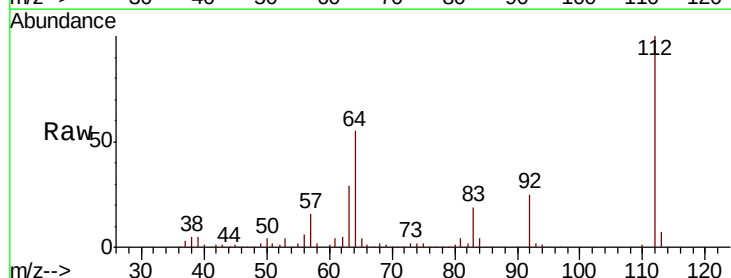
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



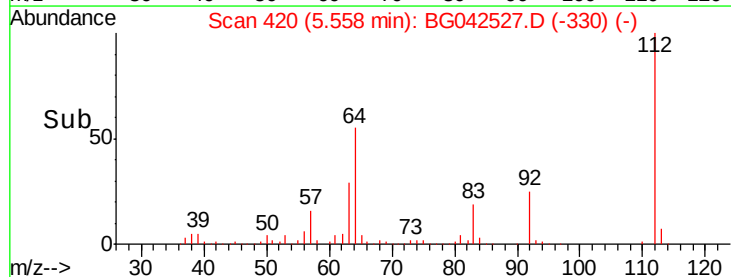
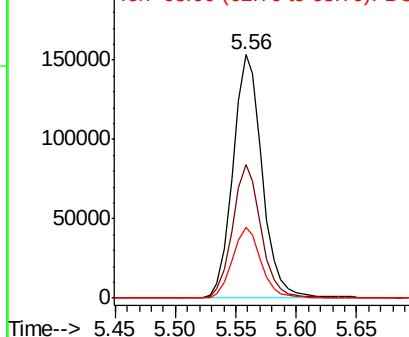
#5

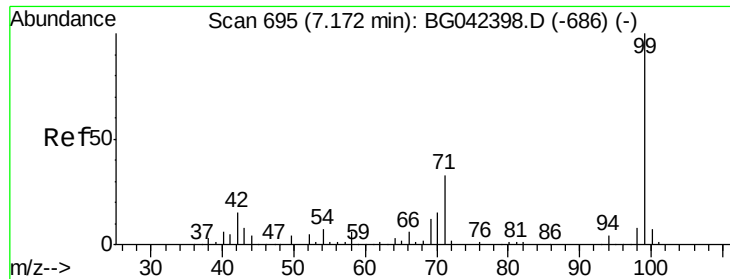
2-Fluorophenol
Concen: 138.432 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042527.D
Acq: 28 Aug 2019 10:01

Tgt Ion:112 Resp: 258212
Ion Ratio Lower Upper
112 100
64 54.9 42.8 64.2
63 28.9 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: 130.726 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

Instrument :

BNA_F

ClientSampled :

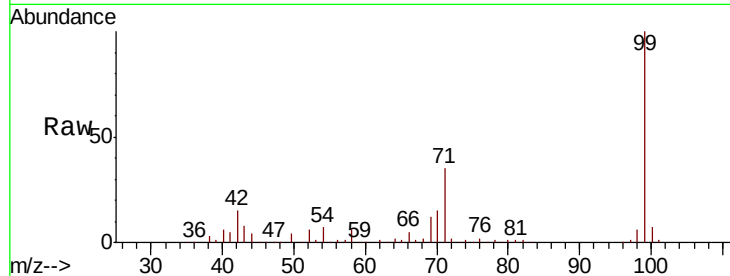
Tot Ion: 99 Resp: 329371

Ion Ratio Lower Upper

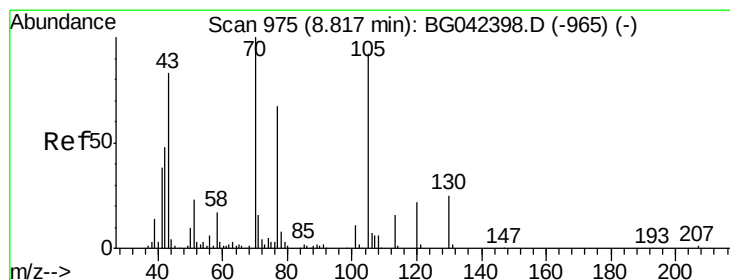
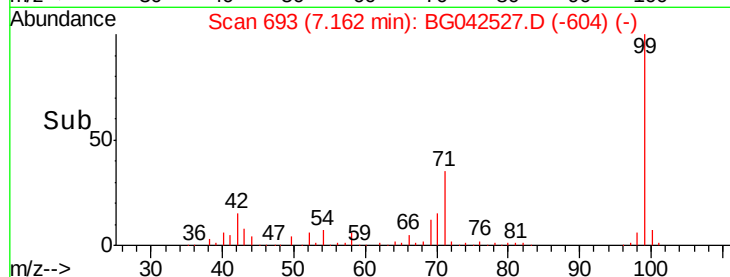
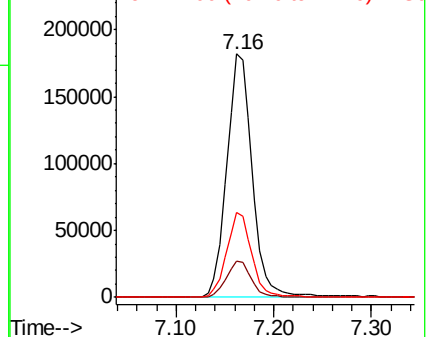
99 100

42 15.0 12.0 18.0

71 34.9 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: 15.405 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

Tgt Ion: 70 Resp: 25145

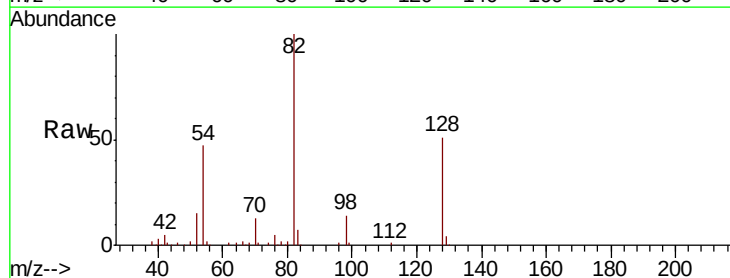
Ion Ratio Lower Upper

70 100

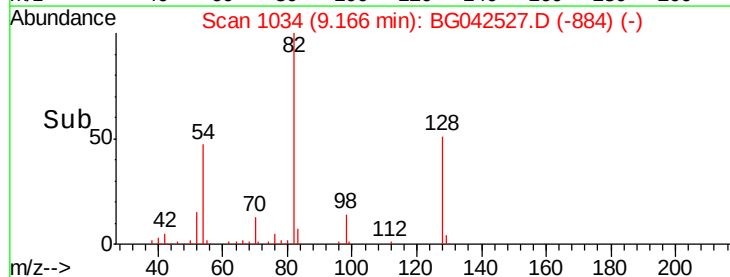
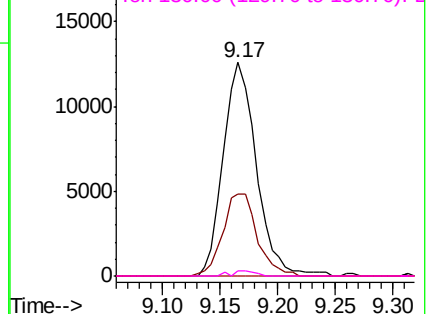
42 38.1 38.8 58.2#

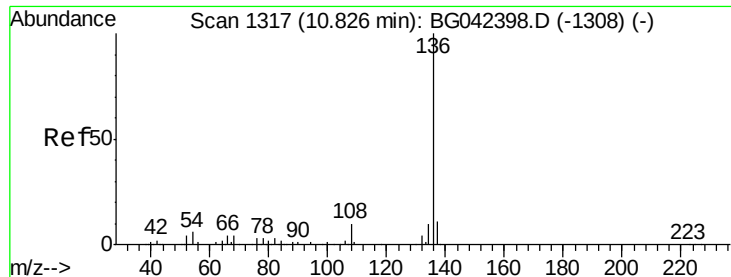
101 0.0 9.0 13.6#

130 2.5 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

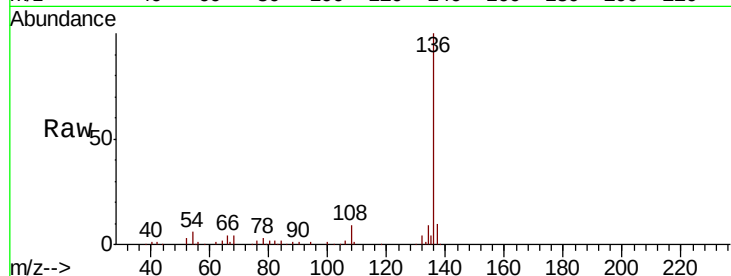




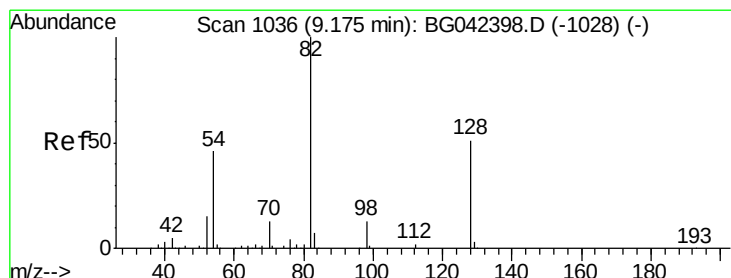
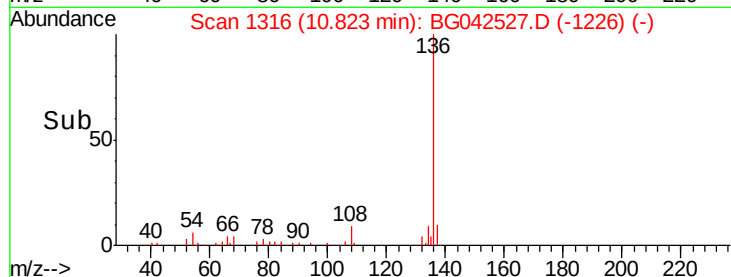
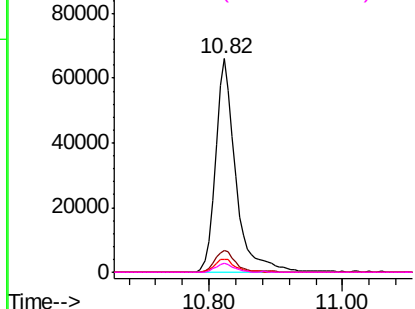
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042527.D
Acq: 28 Aug 2019 10:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	140587
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.7	13.1
54 6.3	4.9	7.3
68 3.9	3.6	5.4

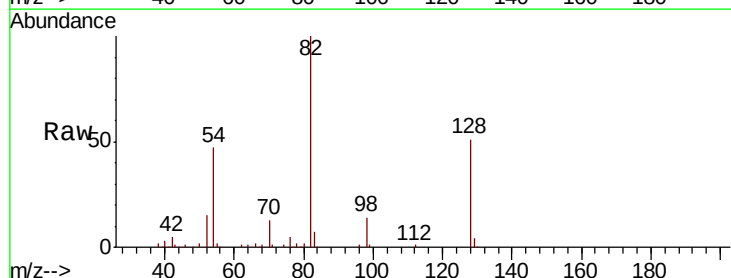


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

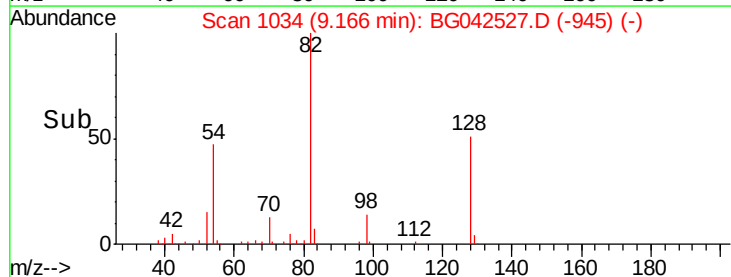
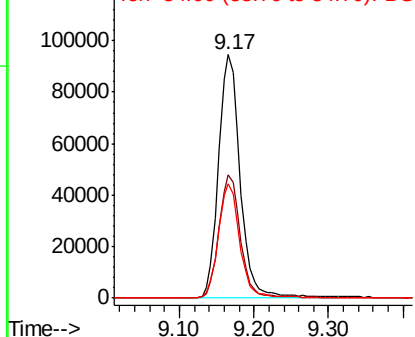


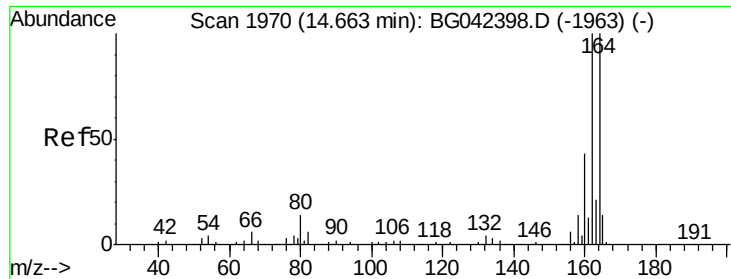
#23
Nitrobenzene-d5
Concen: 93.981 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042527.D
Acq: 28 Aug 2019 10:01

Tgt Ion: 82	Resp: 191197
Ion Ratio	Lower Upper
82 100	
128 50.5	40.7 61.1
54 46.9	36.3 54.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

Instrument :

BNA_F

ClientSampleId :

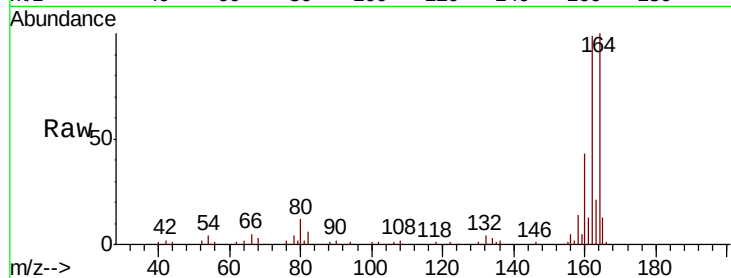
Tot Ion:164 Resp: 102411

Ion Ratio Lower Upper

164 100

162 99.0 79.9 119.9

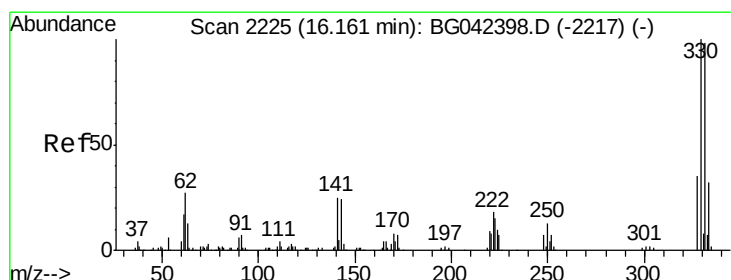
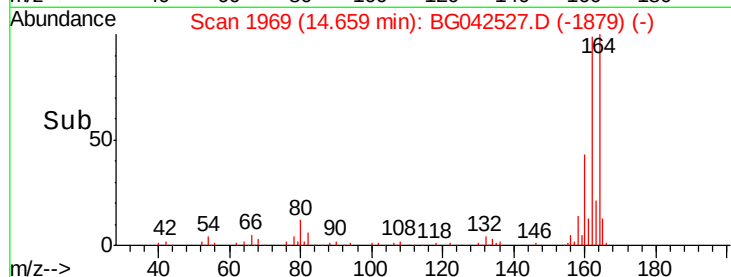
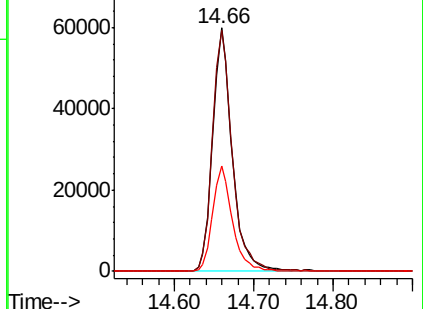
160 43.0 34.3 51.5



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: 141.110 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

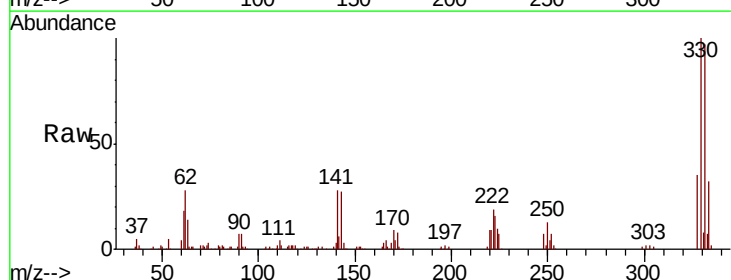
Tgt Ion:330 Resp: 205401

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

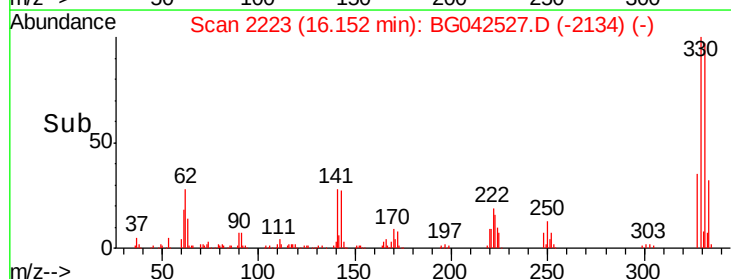
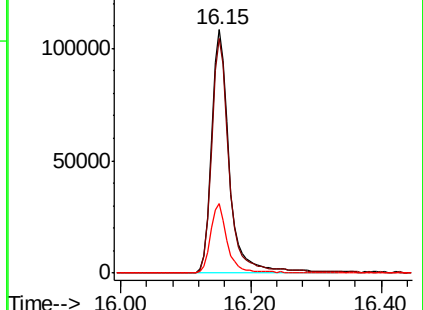
141 27.2 21.4 32.0

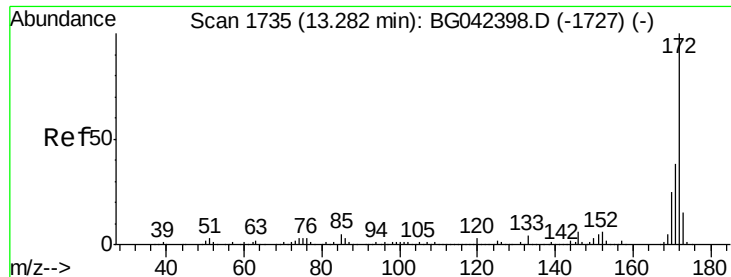


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

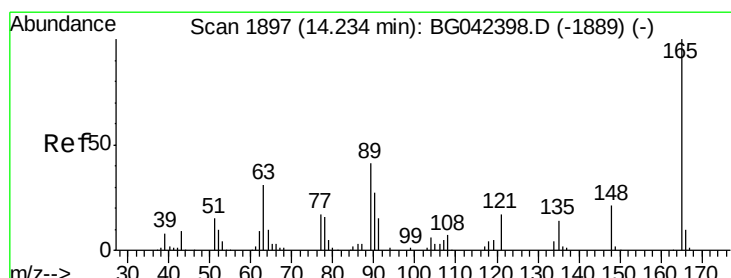
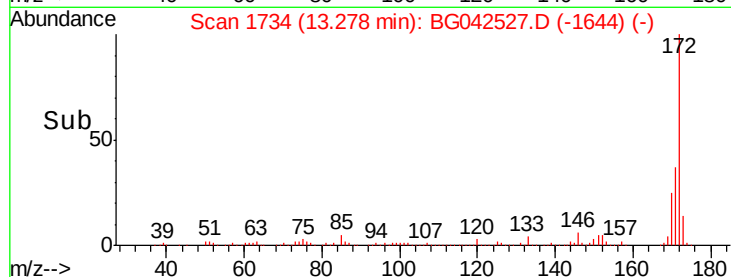
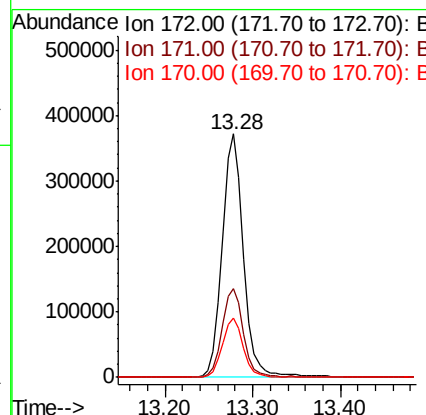
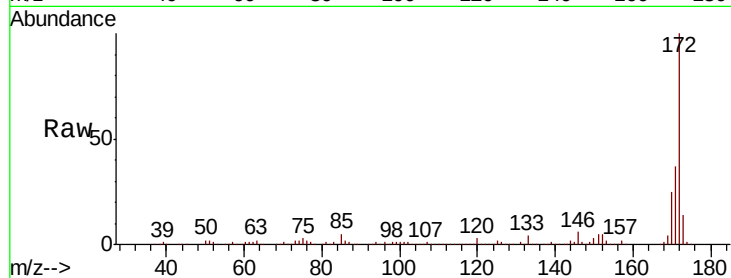




#45
 2-Fluorobiphenyl
 Concen: 103.619 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042527.D
 Acq: 28 Aug 2019 10:01

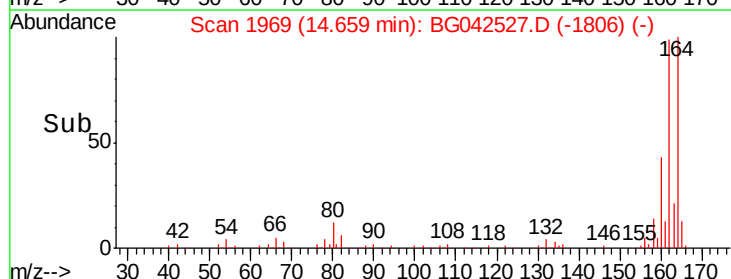
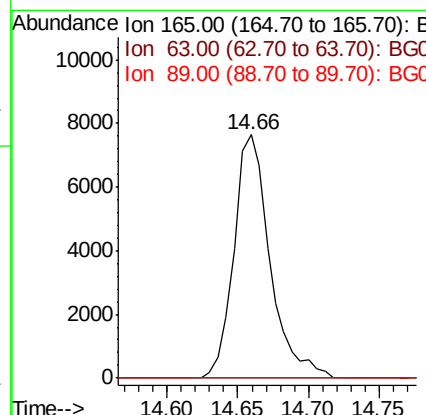
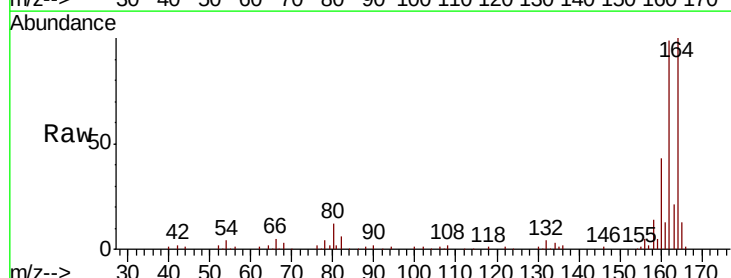
Instrument :
 BNA_F
 ClientSampleId :

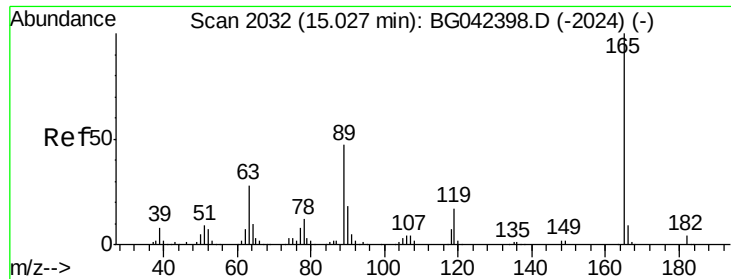
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	24.6	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.956 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042527.D
 Acq: 28 Aug 2019 10:01

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





#57

2,4-Dinitrotoluene

Concen: 5.556 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042527.D

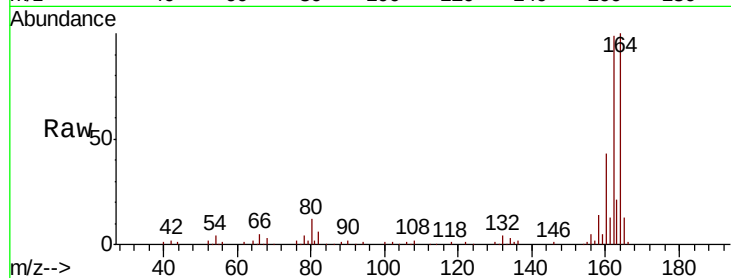
Acq: 28 Aug 2019 10:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	13627
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#

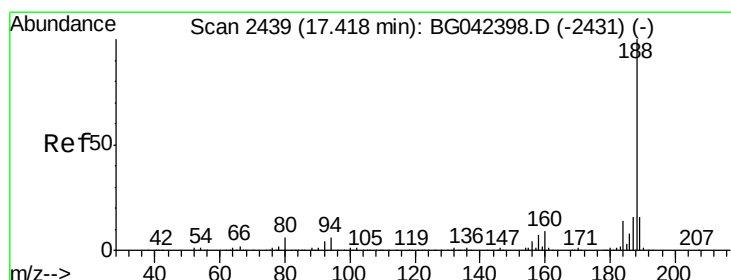
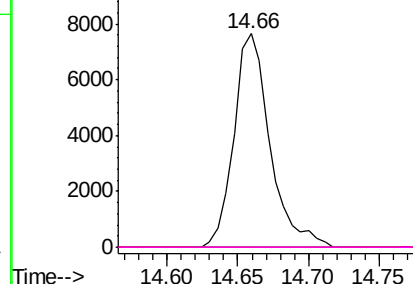
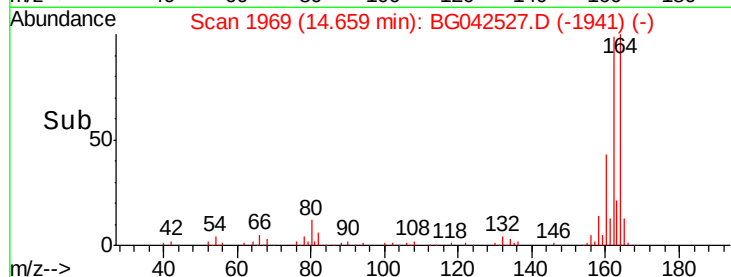


Abundance Ion 165.00 (164.70 to 165.70): E

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

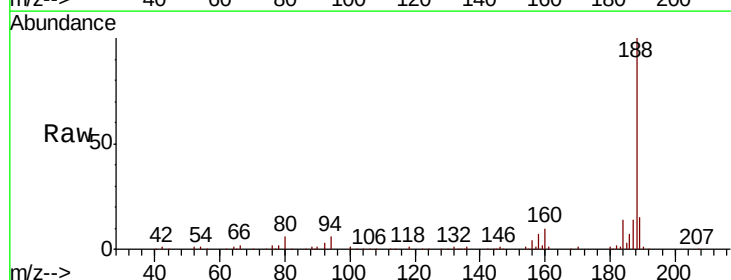
RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

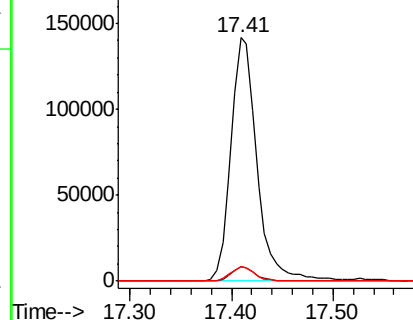
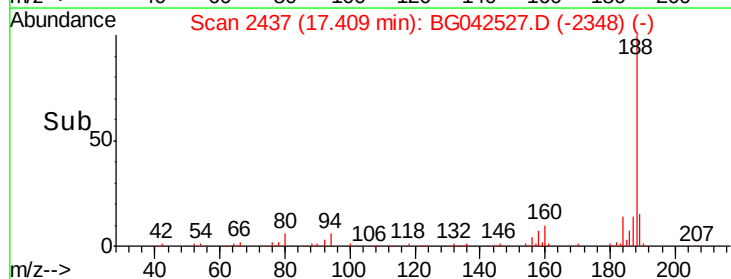
Tgt Ion:188	Resp:	253273
Ion Ratio	Lower	Upper
188	100	
94	6.2	4.5 6.7
80	6.2	4.9 7.3

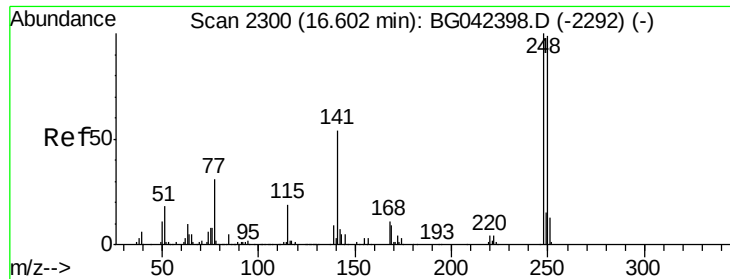


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

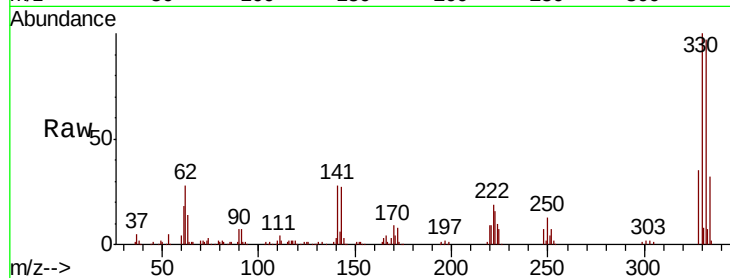




#67
 4-Bromophenyl-phenylether
 Concen: 4.253 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042527.D
 Acq: 28 Aug 2019 10:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.2	78.9	118.3#
141	409.8	43.3	64.9#

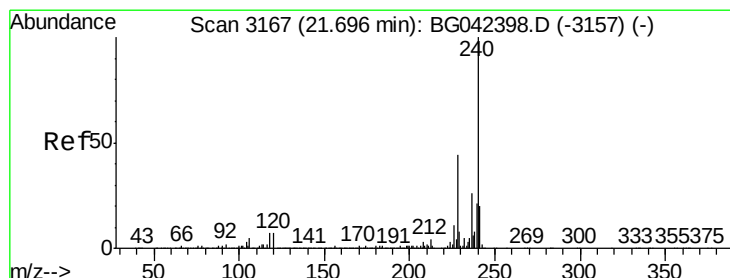
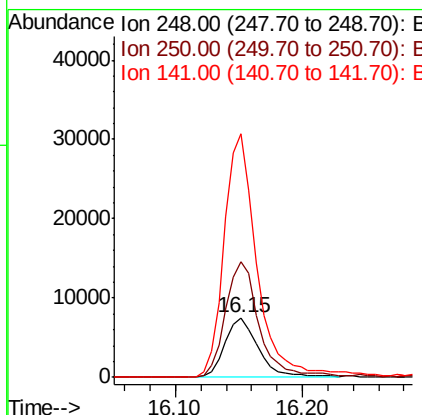
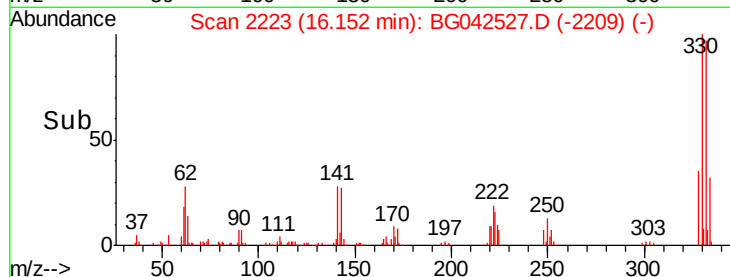


Abundance

Ion 248.00 (247.70 to 248.70): E

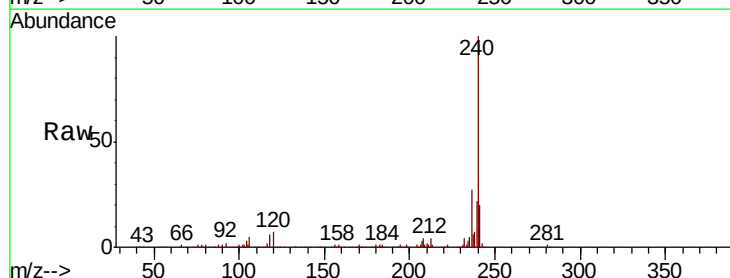
Ion 250.00 (249.70 to 250.70): E

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: BG042527.D
 Acq: 28 Aug 2019 10:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.7	8.5
236	27.0	21.0	31.4

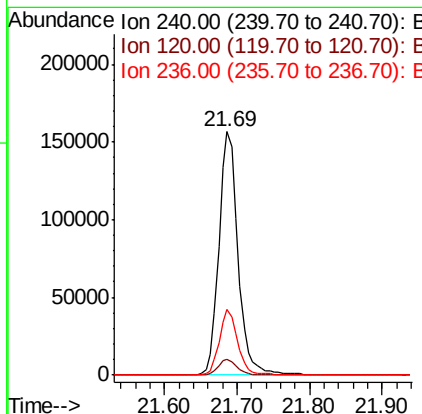
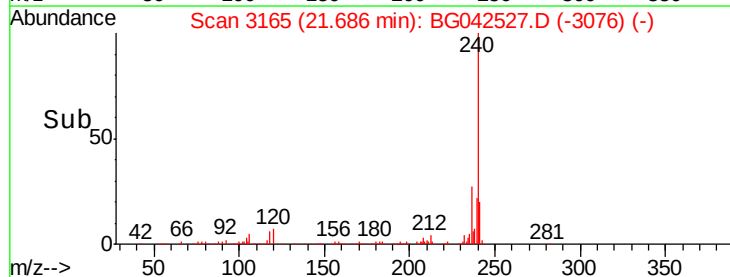


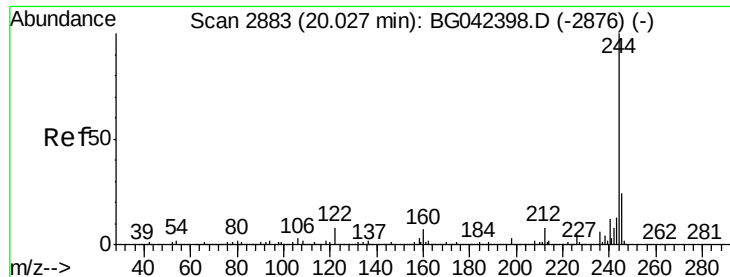
Abundance

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: 96.193 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

Instrument :

BNA_F

ClientSampleId :

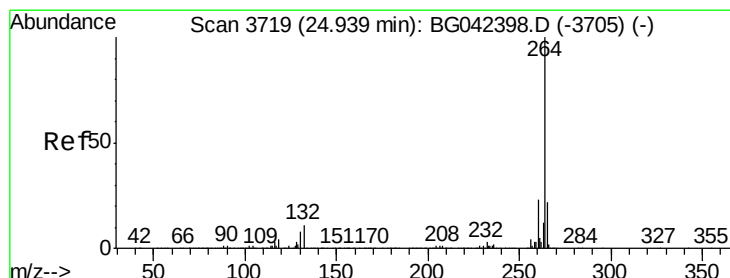
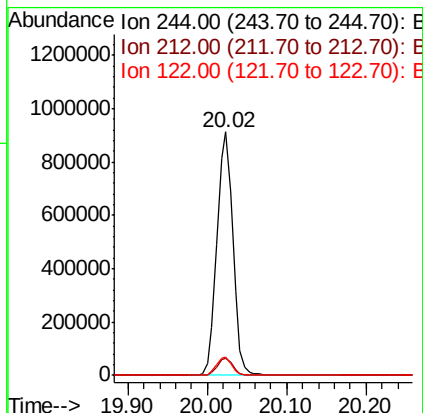
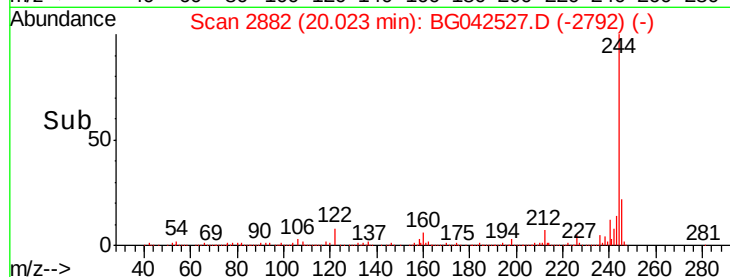
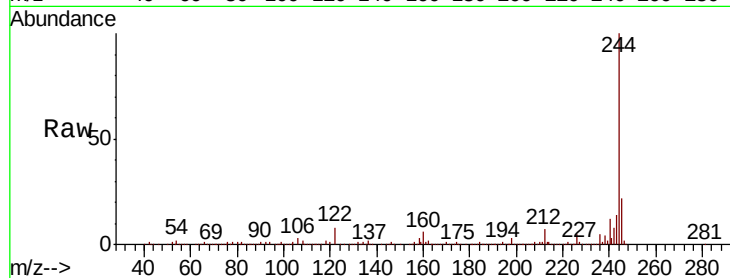
Tot Ion:244 Resp: 1278609

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 7.5 6.7 10.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042527.D

Acq: 28 Aug 2019 10:01

Tgt Ion:264 Resp: 327850

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 22.0 17.6 26.4

