

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042687.D
 Acq On : 3 Sep 2019 14:01
 Operator : HP/JU
 Sample : PB122741BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:04:46 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

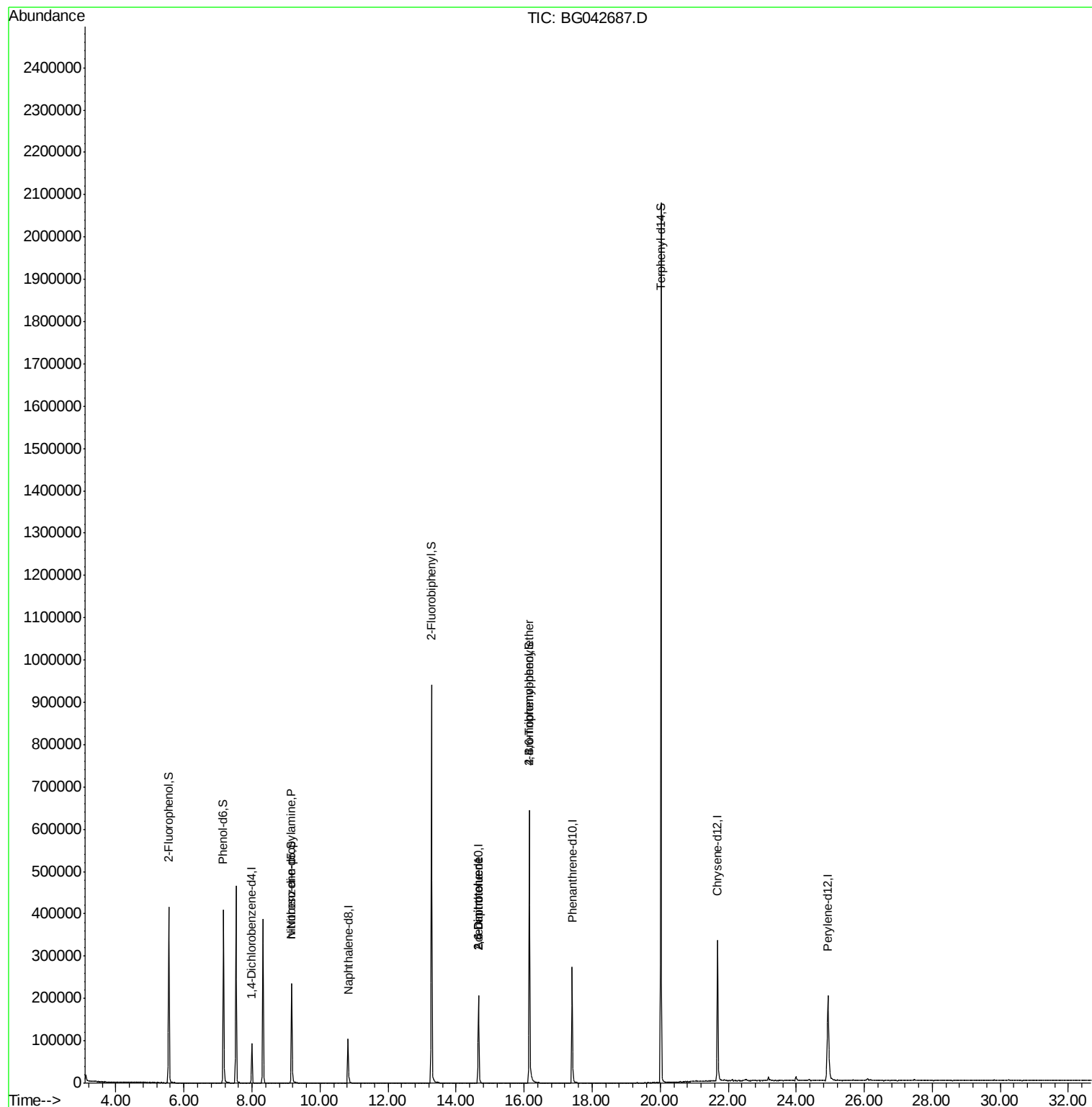
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	31398	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	120026	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	94655	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	221408	20.00	ng	0.00
76) Chrysene-d12	21.68	240	243265	20.00	ng	-0.01
87) Perylene-d12	24.93	264	285119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	210637	135.87	ng	0.00
7) Phenol-d6	7.17	99	275184	131.41	ng	0.00
23) Nitrobenzene-d5	9.16	82	160417	92.36	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	182064	135.33	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	577002	103.10	ng	0.00
79) Terphenyl-d14	20.02	244	1105720	98.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	20597	15.182	ng	# 74
51) 2,6-Dinitrotoluene	14.66	165	12150	7.675	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12150	5.360	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12361	4.401	ng	# 1

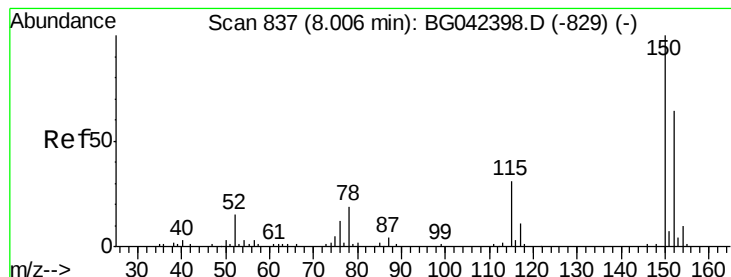
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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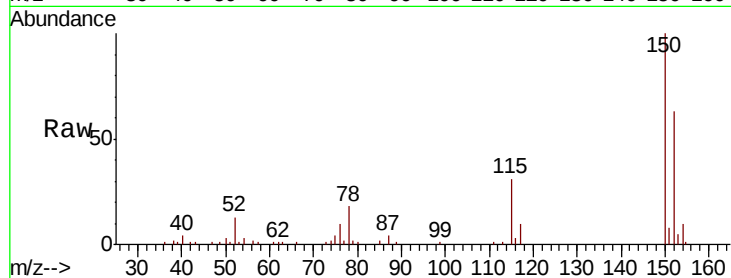


#1

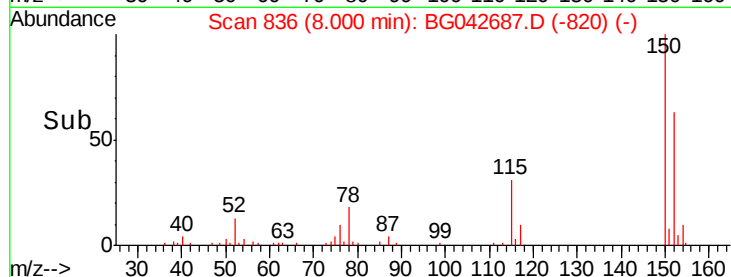
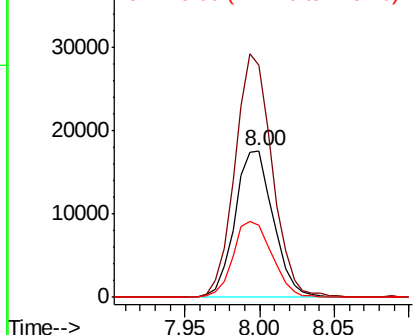
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042687.D
Acq: 3 Sep 2019 14:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31398
Ion Ratio Lower Upper
152 100
150 158.5 125.4 188.0
115 49.5 38.5 57.7



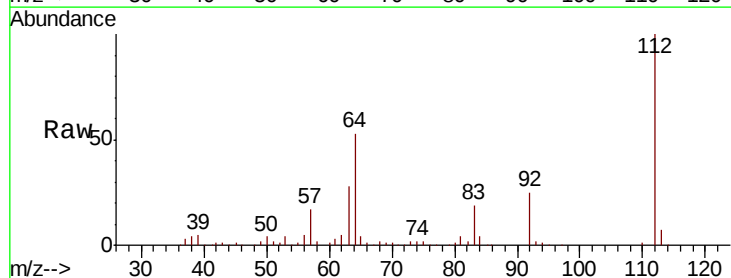
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



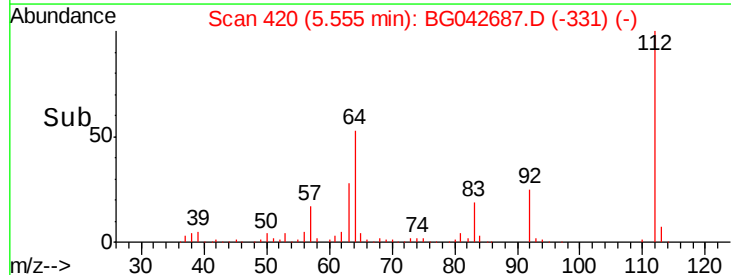
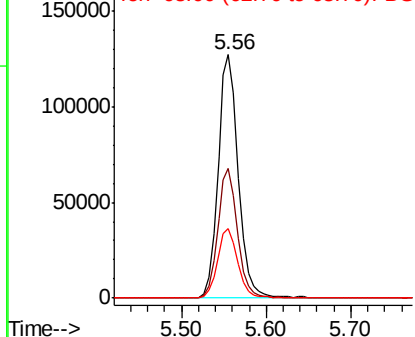
#5

2-Fluorophenol
Concen: 135.869 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042687.D
Acq: 3 Sep 2019 14:01

Tgt Ion:112 Resp: 210637
Ion Ratio Lower Upper
112 100
64 53.0 42.8 64.2
63 28.3 22.7 34.1



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: 131.409 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

Instrument :

BNA_G

ClientSampleId :

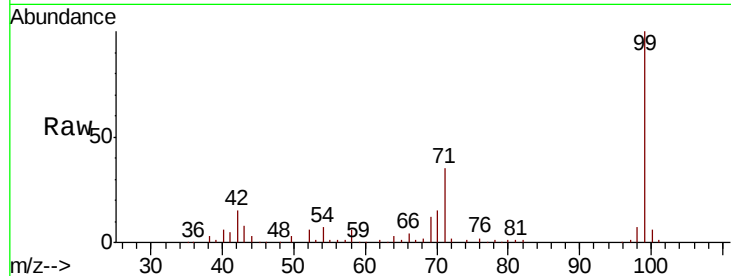
Tot Ion: 99 Resp: 275184

Ion Ratio Lower Upper

99 100

42 15.0 12.0 18.0

71 34.8 26.3 39.5

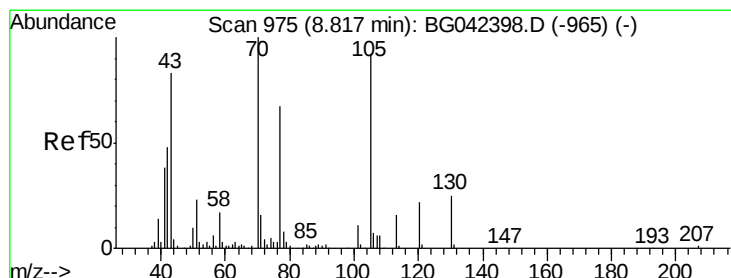
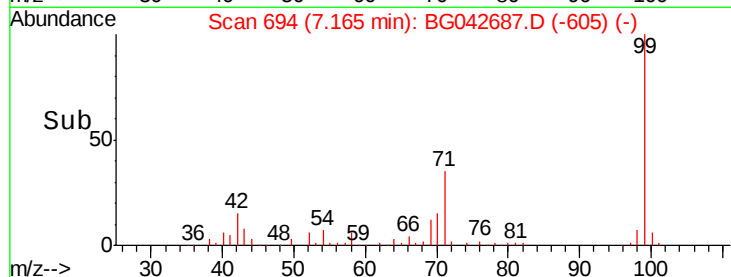
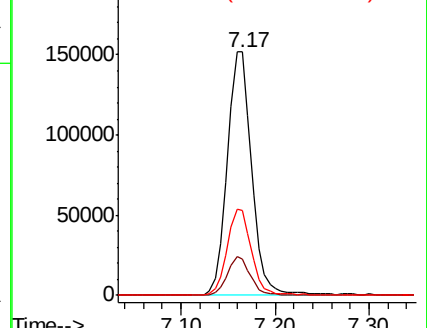


Abundance

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: 15.182 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

Tgt Ion: 70 Resp: 20597

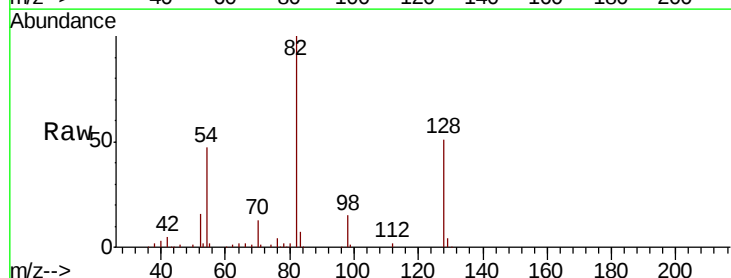
Ion Ratio Lower Upper

70 100

42 38.3 38.8 58.2#

101 0.0 9.0 13.6#

130 2.3 20.0 30.0#



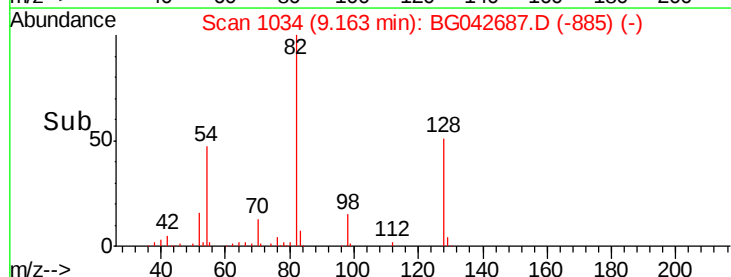
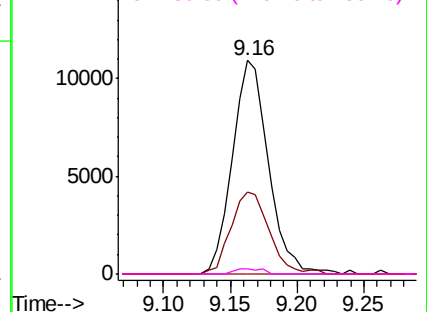
Abundance

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

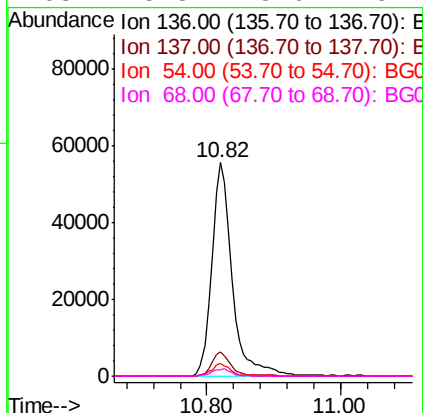
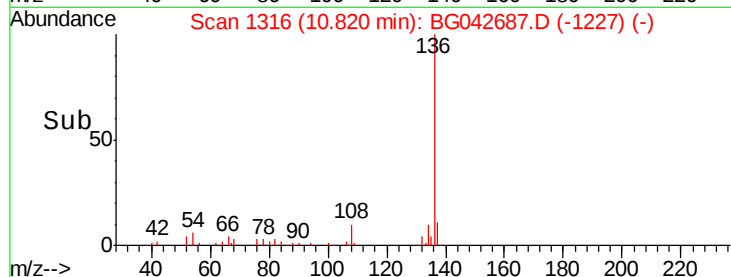
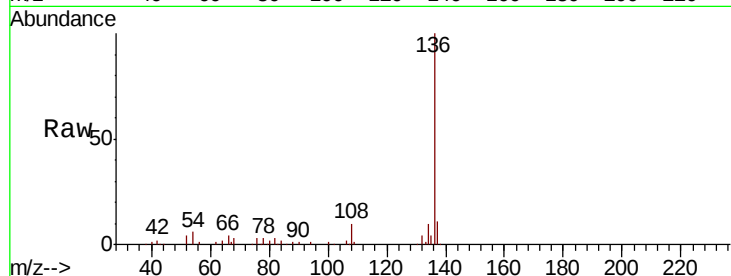




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042687.D
Acq: 3 Sep 2019 14:01

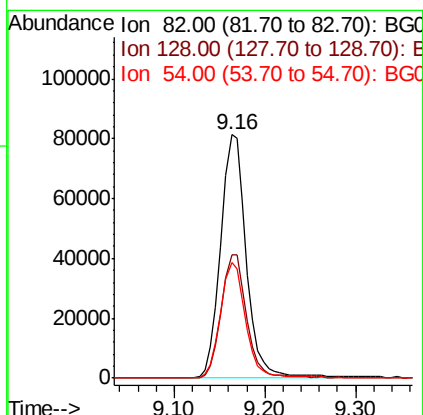
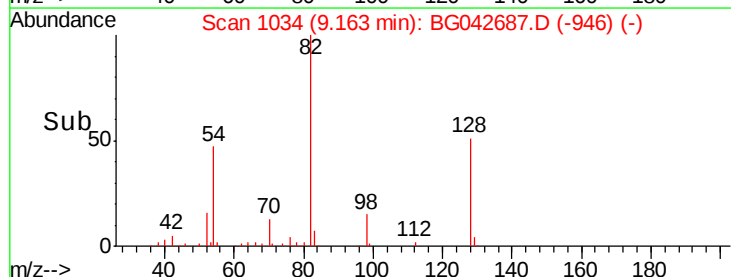
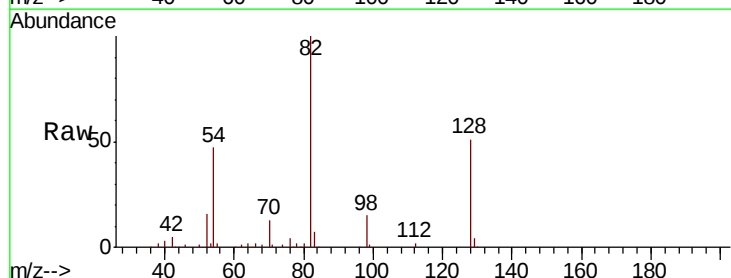
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	120026
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.7	13.1
54 6.3	4.9	7.3
68 3.3	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 92.359 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042687.D
Acq: 3 Sep 2019 14:01

Tgt	Ion: 82	Resp:	160417
Ion	Ratio	Lower	Upper
82	100		
128	50.8	40.7	61.1
54	47.4	36.3	54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

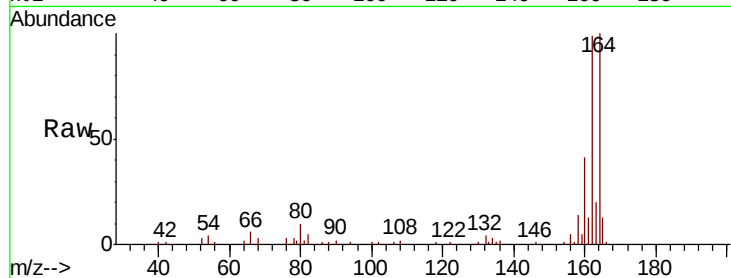
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 94655

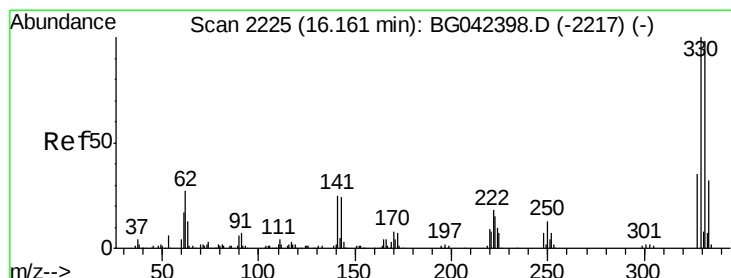
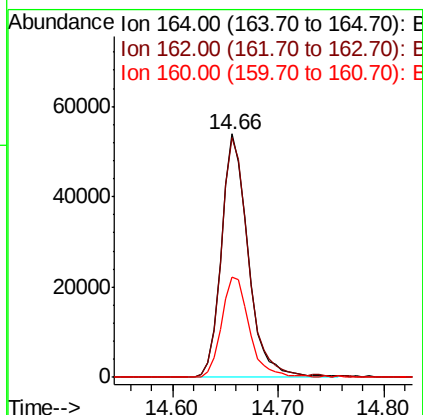
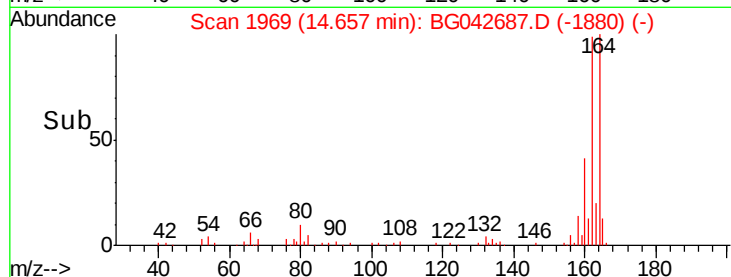
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.9	119.9
160	41.2	34.3	51.5



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: 135.327 ng

RT: 16.15 min Scan# 2223

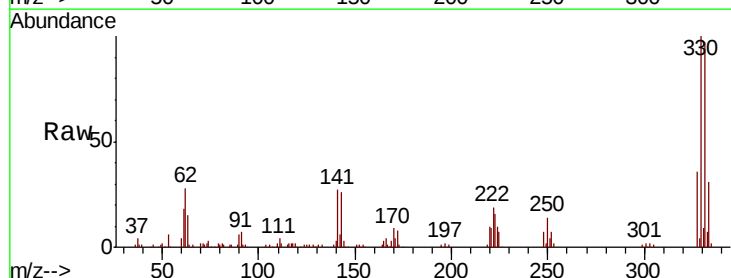
Delta R.T. -0.01 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

Tgt Ion:330 Resp: 182064

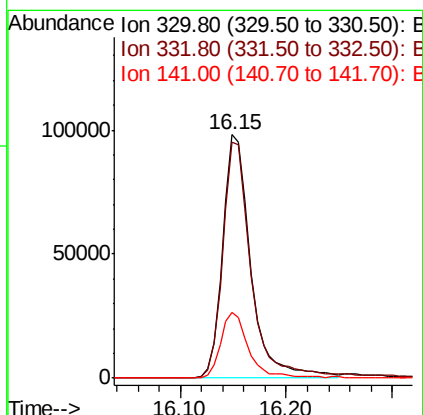
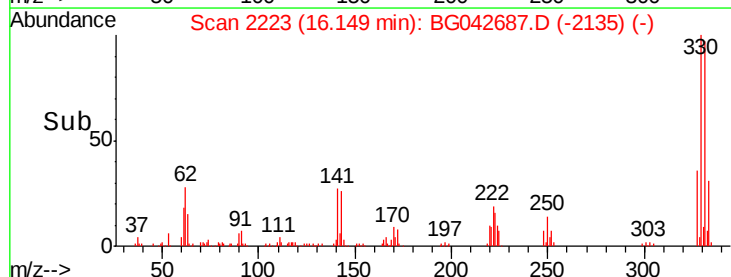
Ion	Ratio	Lower	Upper
330	100		
332	101.1	77.4	116.0
141	26.8	21.4	32.0

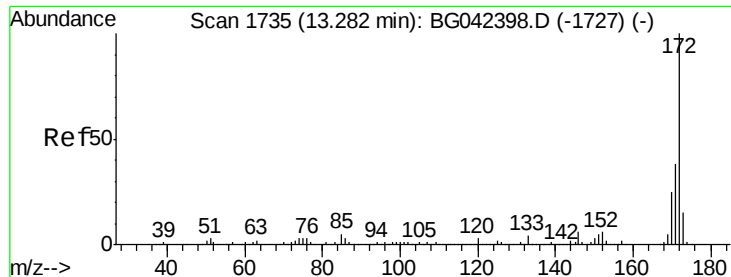


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

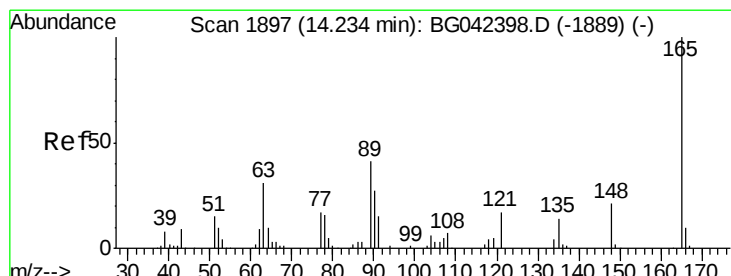
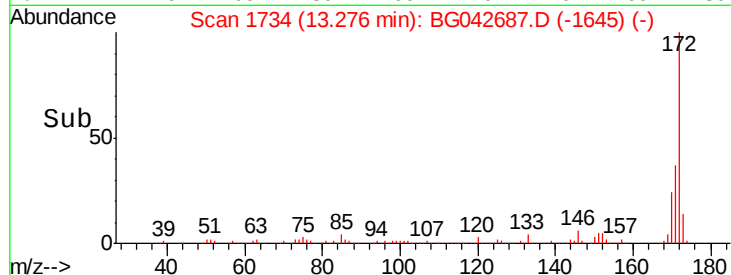
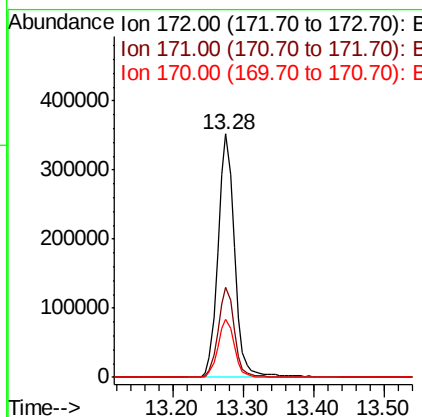
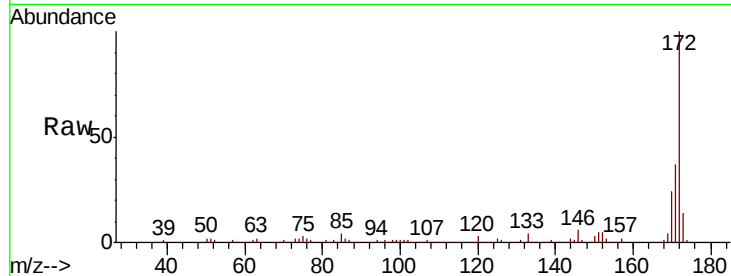




#45
 2-Fluorobiphenyl
 Concen: 103.098 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042687.D
 Acq: 3 Sep 2019 14:01

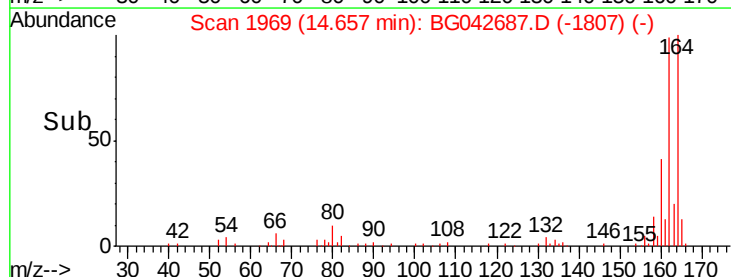
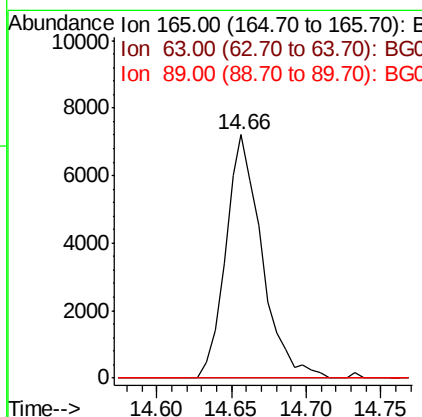
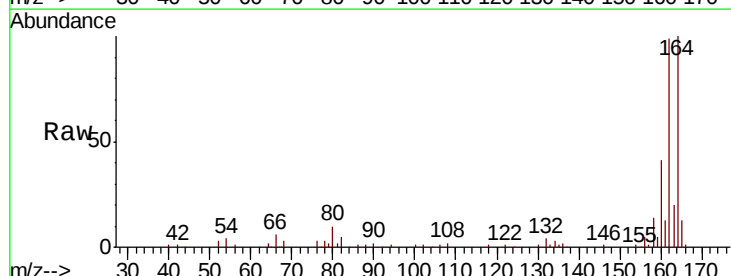
Instrument :
 BNA_G
 ClientSampleId :

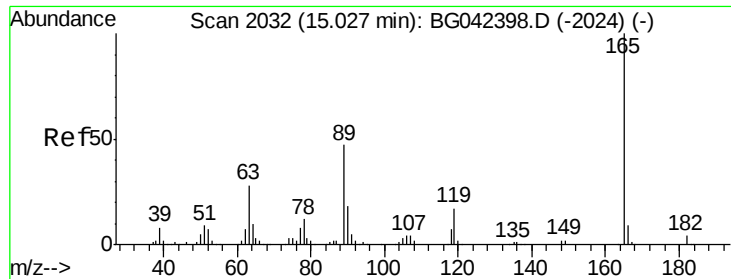
Tot Ion:172 Resp: 577002
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.5 45.7
 170 23.7 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.675 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042687.D
 Acq: 3 Sep 2019 14:01

Tgt Ion:165 Resp: 12150
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.6 45.8#
 89 0.0 32.6 49.0#

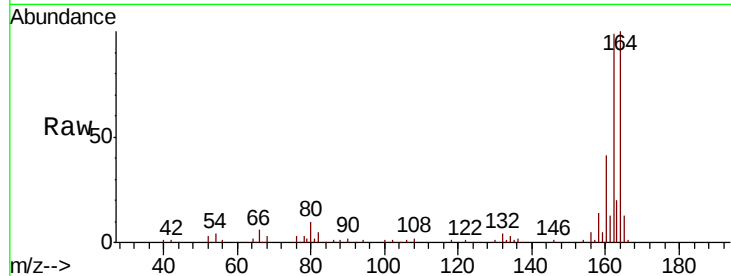




#57
 2,4-Dinitrotoluene
 Concen: 5.360 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042687.D
 Acq: 3 Sep 2019 14:01

Instrument :
 BNA_G
 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#



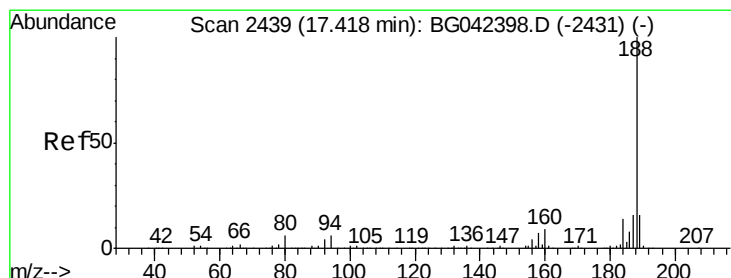
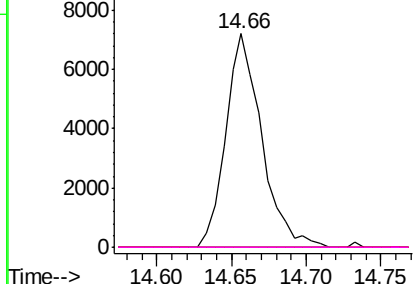
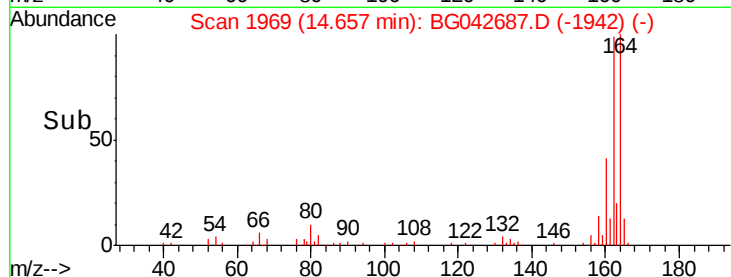
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

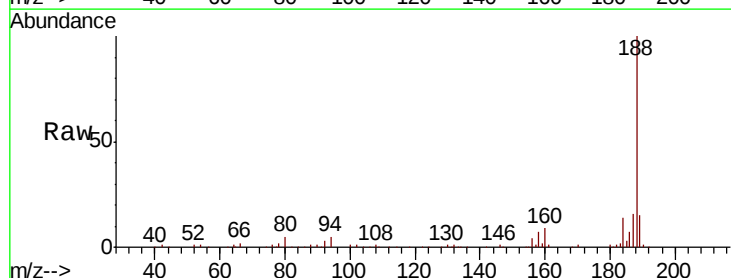
Ion 89.00 (88.70 to 89.70): BGC

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: BG042687.D
 Acq: 3 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.5	6.7
80	5.3	4.9	7.3

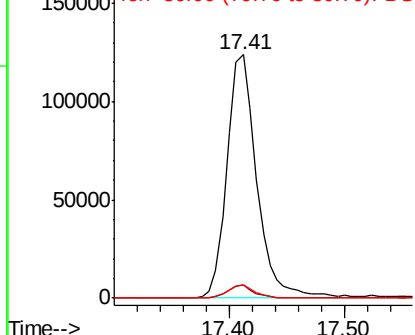
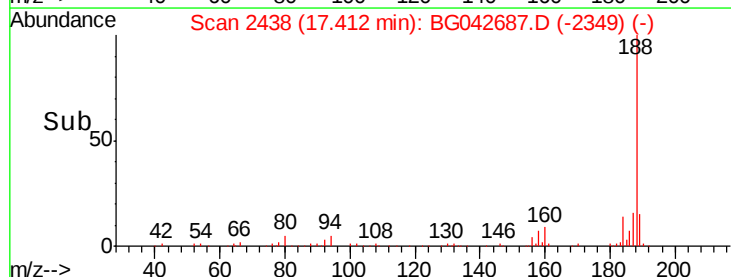


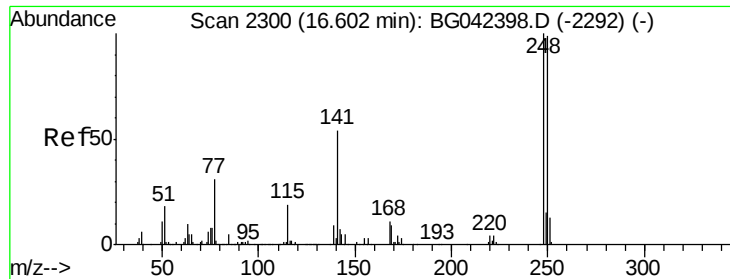
Abundance

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

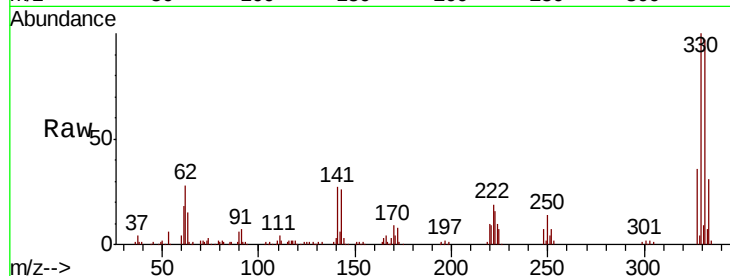




#67
 4-Bromophenyl-phenylether
 Concen: 4.401 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042687.D
 Acq: 3 Sep 2019 14:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.6	78.9	118.3#
141	360.1	43.3	64.9#

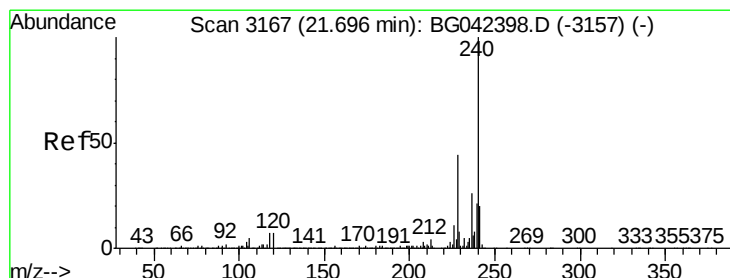
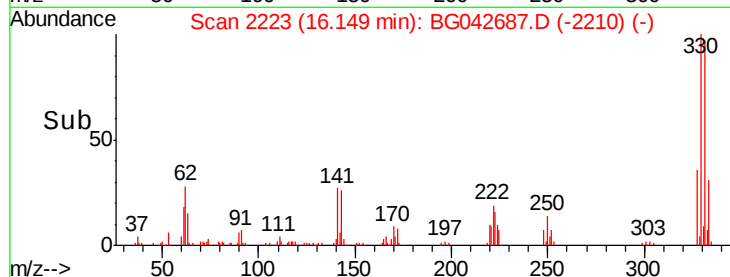
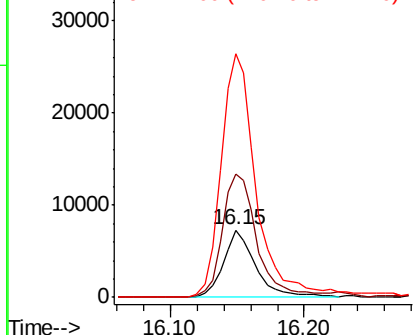


Abundance

Ion 248.00 (247.70 to 248.70): E

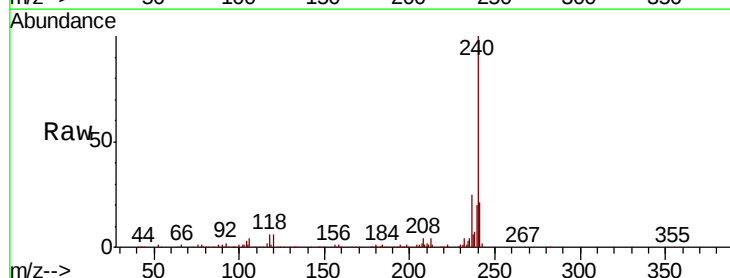
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042687.D
 Acq: 3 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.7	8.5#
236	25.2	21.0	31.4

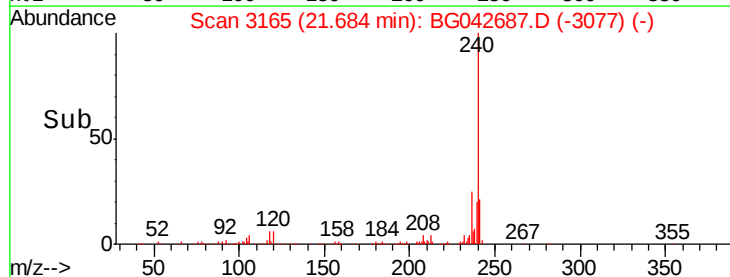
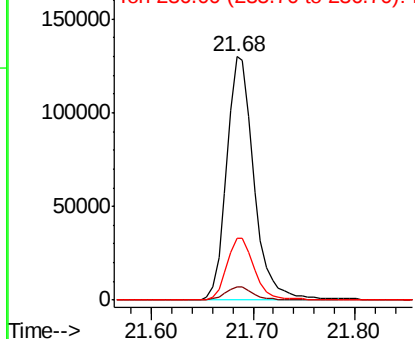


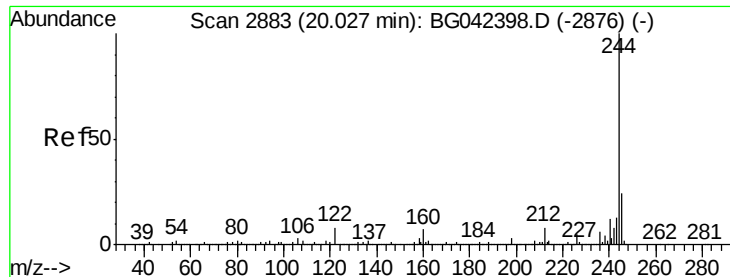
Abundance

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: 98.266 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

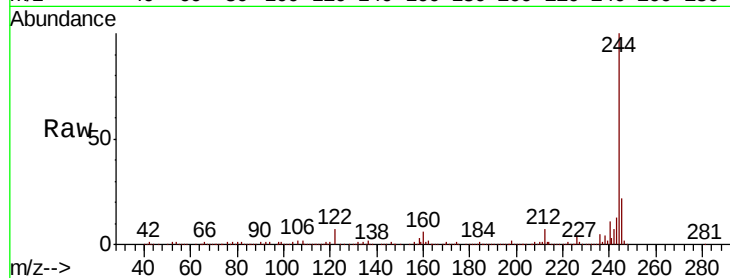
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1105720

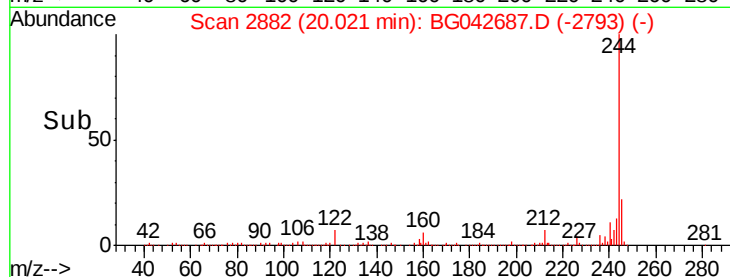
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	6.9	6.7	10.1



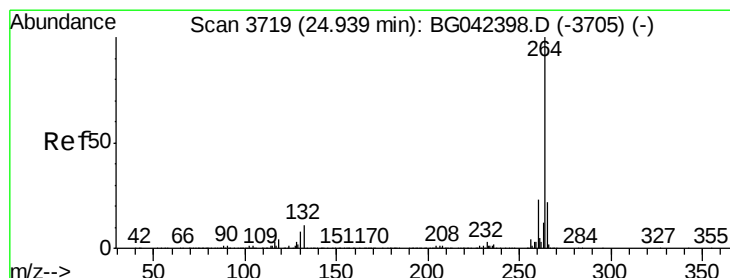
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

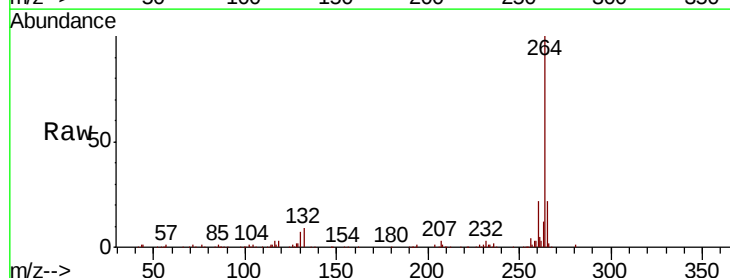
Delta R.T. -0.01 min

Lab File: BG042687.D

Acq: 3 Sep 2019 14:01

Tgt Ion:264 Resp: 285119

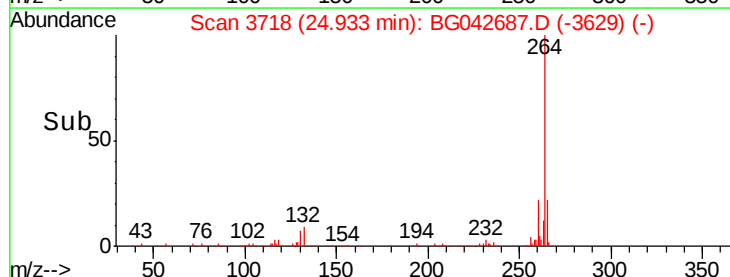
Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.5	27.7
265	22.4	17.6	26.4



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



Time--> 24.80 24.90 25.00 25.20