

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042475.D
 Acq On : 25 Aug 2019 13:14
 Operator : HP/JU
 Sample : K4498-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 06:31:45 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

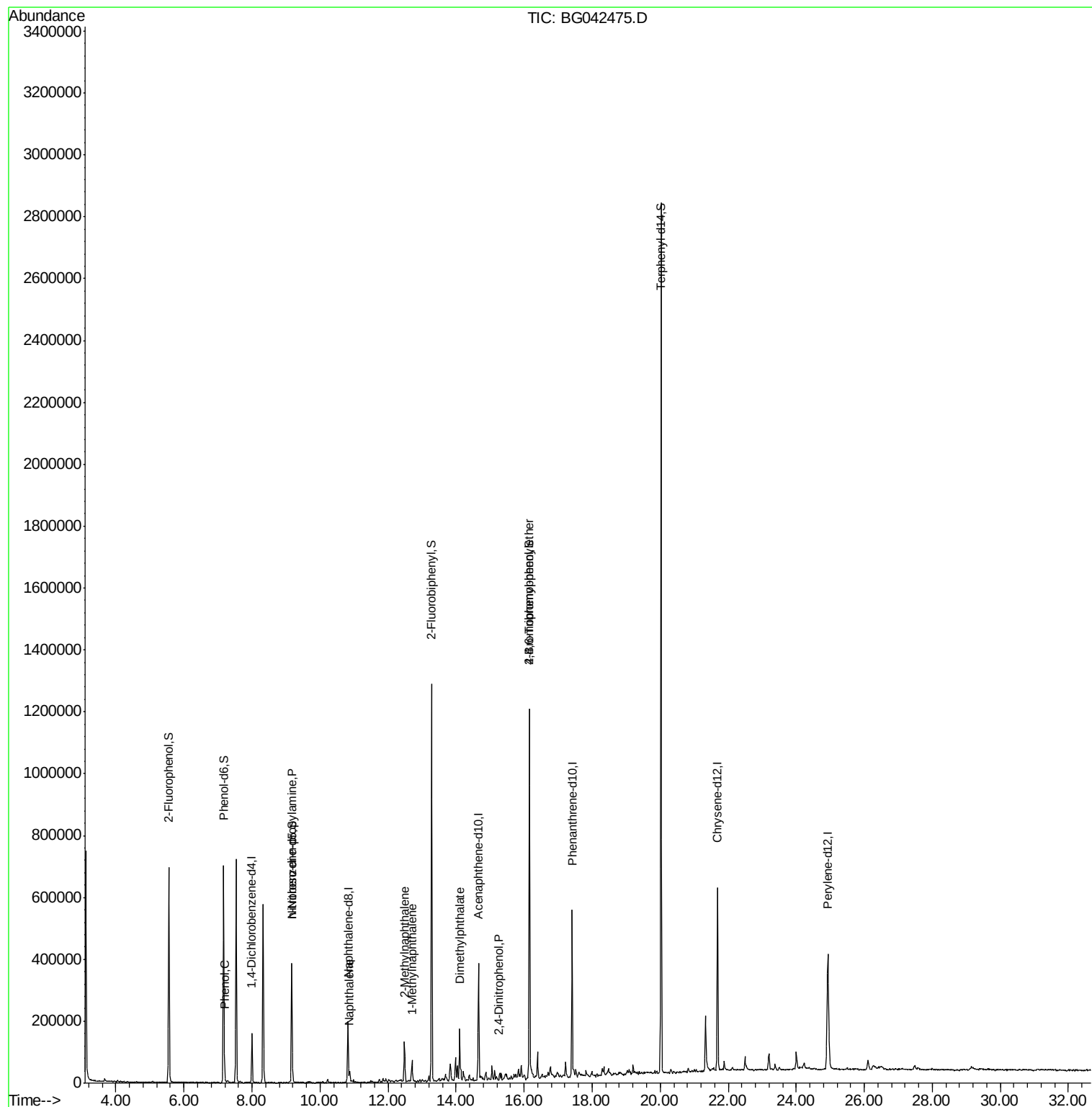
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	49806	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	196341	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	146271	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	356379	20.00	ng	0.00
76) Chrysene-d12	21.68	240	384048	20.00	ng	-0.01
87) Perylene-d12	24.93	264	448811	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	350421	142.49	ng	0.00
7) Phenol-d6	7.17	99	473575	142.56	ng	0.00
23) Nitrobenzene-d5	9.16	82	260702	91.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	295366	142.07	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	763763	88.31	ng	0.00
79) Terphenyl-d14	20.03	244	1431842	80.60	ng	0.00
Target Compounds						
10) Phenol	7.19	94	10157	3.007	ng	89
19) n-Nitroso-di-n-propylamine	9.17	70	33490	15.562	ng	# 73
31) Naphthalene	10.87	128	30286	3.322	ng	98
37) 2-Methylnaphthalene	12.48	142	69073	9.437	ng	98
38) 1-Methylnaphthalene	12.71	142	38452	5.531	ng	95
50) Dimethylphthalate	14.10	163	126515	11.987	ng	98
54) 2,4-Dinitrophenol	15.24	184	65	6.298	ng	# 30
67) 4-Bromophenyl-phenylether	16.15	248	21118	4.672	ng	# 1

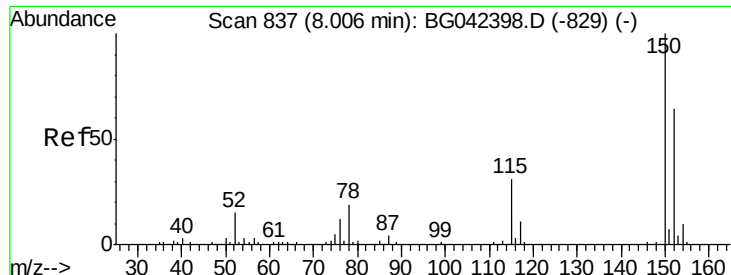
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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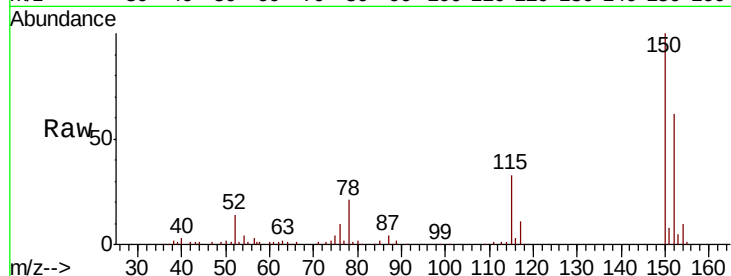


#1

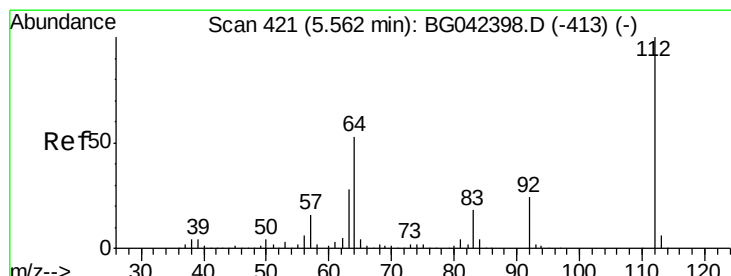
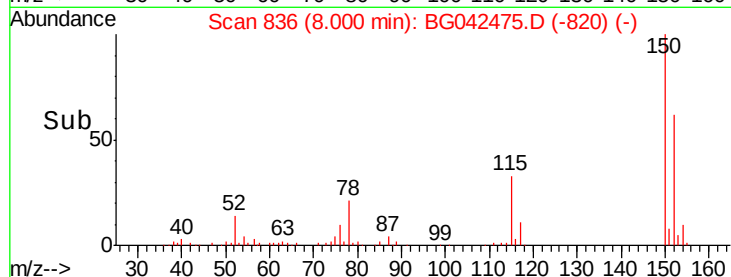
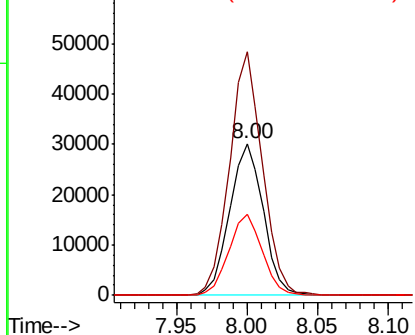
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 49806
Ion Ratio Lower Upper
152 100
150 160.1 125.4 188.0
115 53.4 38.5 57.7



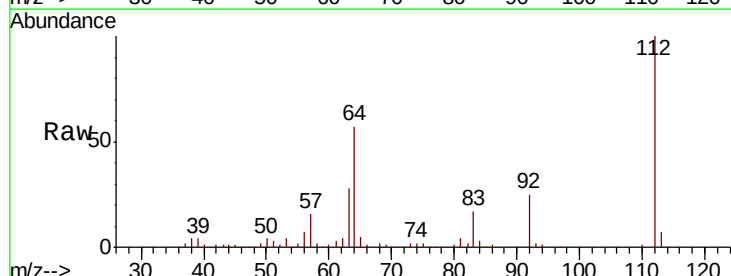
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



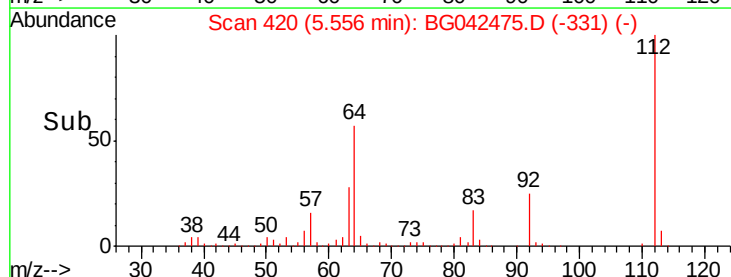
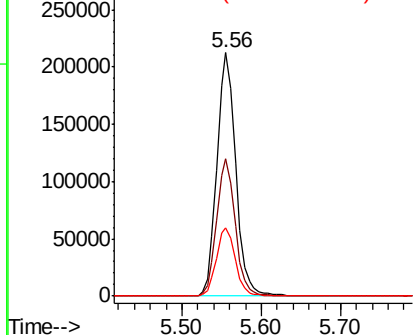
#5

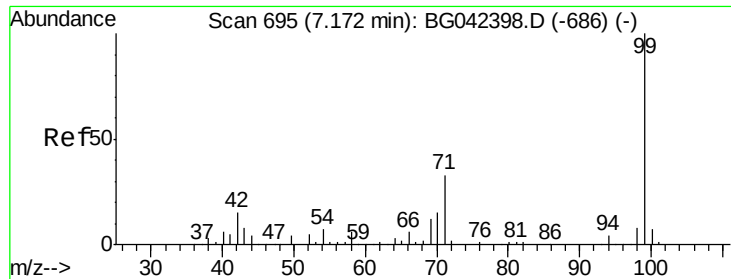
2-Fluorophenol
Concen: 142.494 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Tgt Ion:112 Resp: 350421
Ion Ratio Lower Upper
112 100
64 56.5 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 142.565 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Instrument :

BNA_G

ClientSampleId :

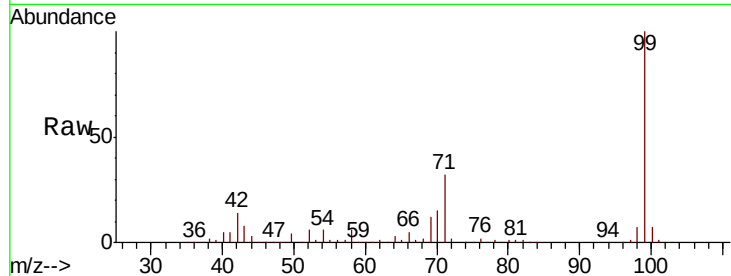
Tot Ion: 99 Resp: 473575

Ion Ratio Lower Upper

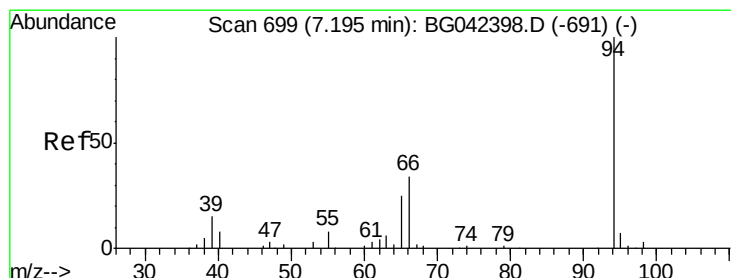
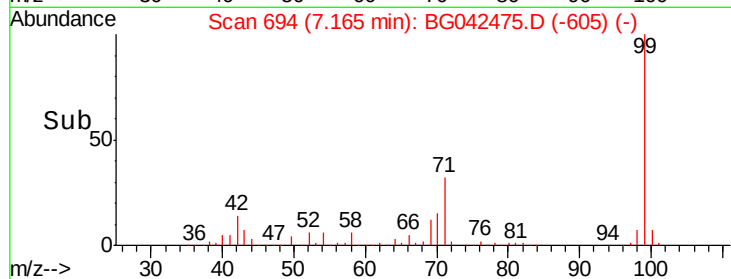
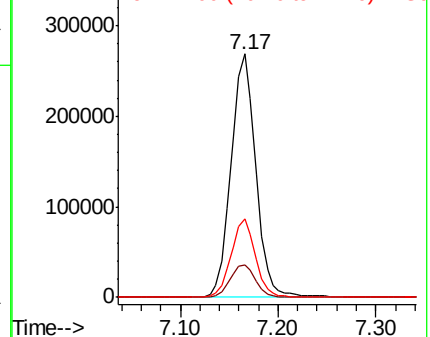
99 100

42 13.5 12.0 18.0

71 32.3 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



#10

Phenol

Concen: 3.007 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

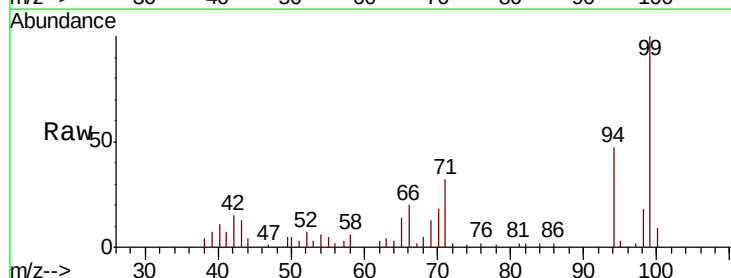
Tgt Ion: 94 Resp: 10157

Ion Ratio Lower Upper

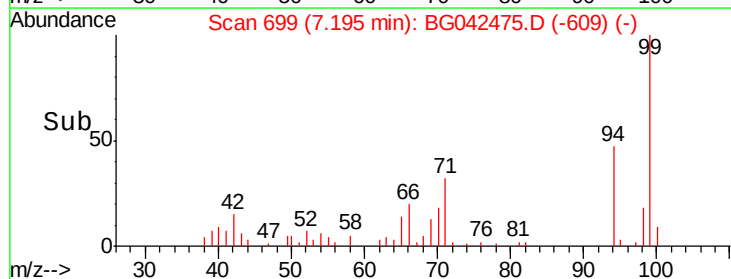
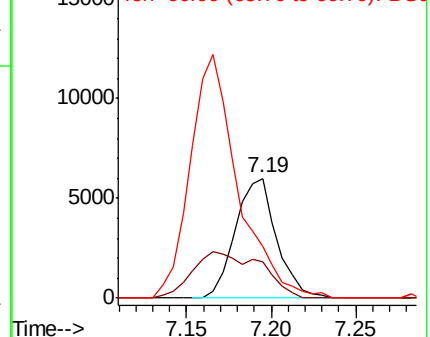
94 100

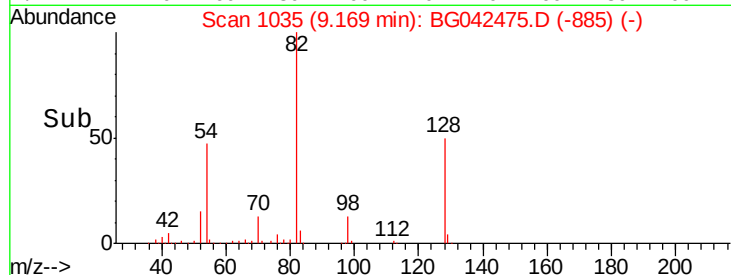
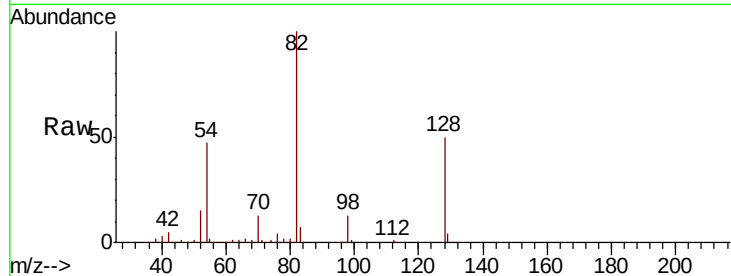
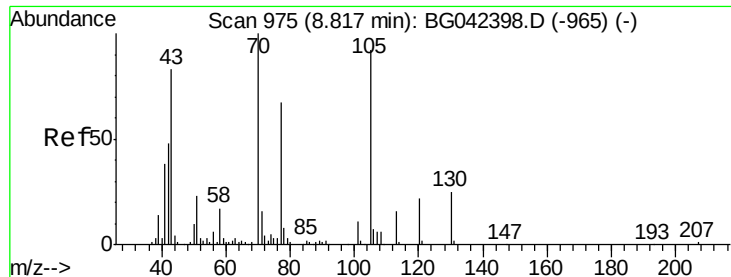
65 30.4 5.6 45.6

66 42.6 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

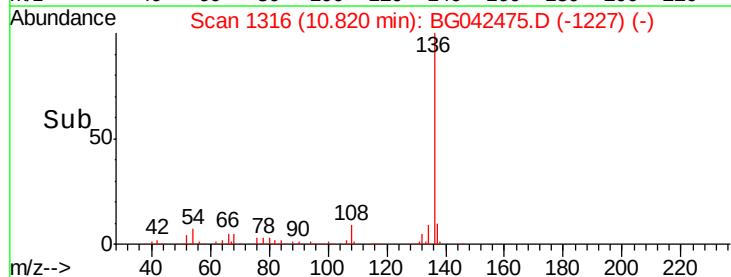
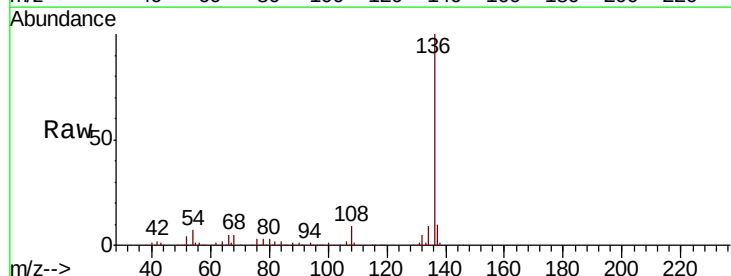
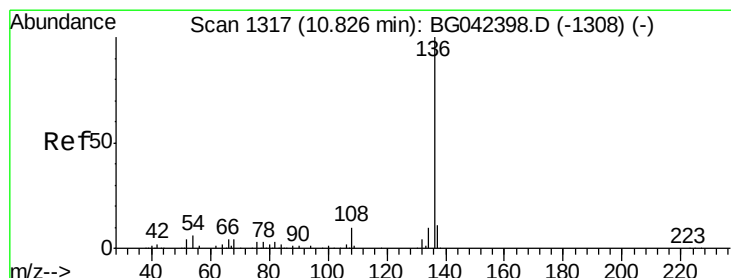
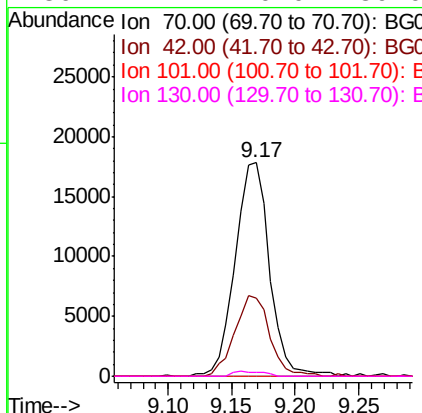




#19
n-Nitroso-di-n-propylamine
Concen: 15.562 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

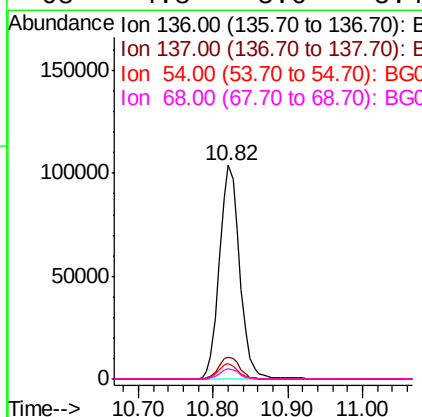
Instrument :
BNA_G
ClientSampleId :

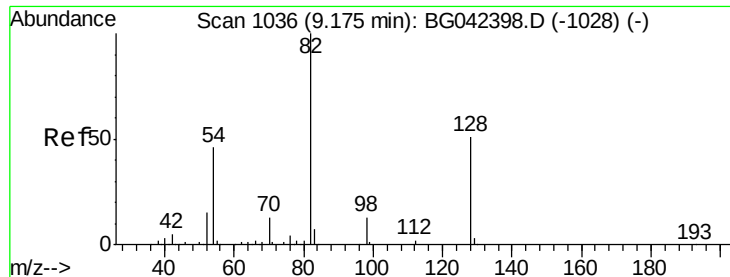
Tot Ion: 70 Resp: 33490
Ion Ratio Lower Upper
70 100
42 36.7 38.8 58.2#
101 0.0 9.0 13.6#
130 2.1 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Tgt Ion:136 Resp: 196341
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 7.4 4.9 7.3#
68 4.8 3.6 5.4

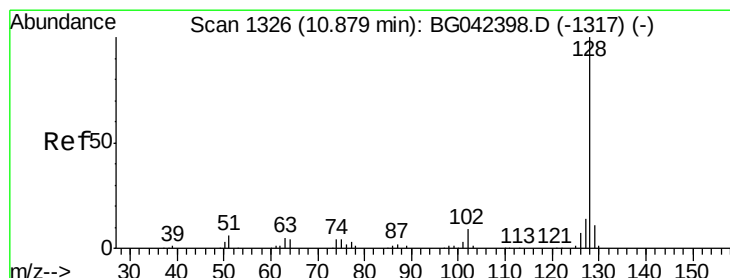
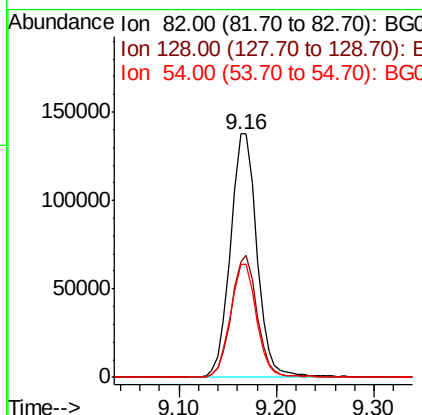
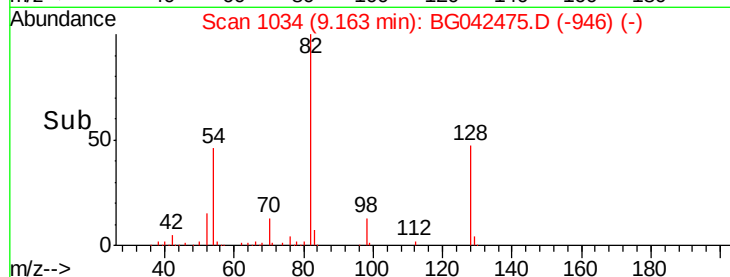
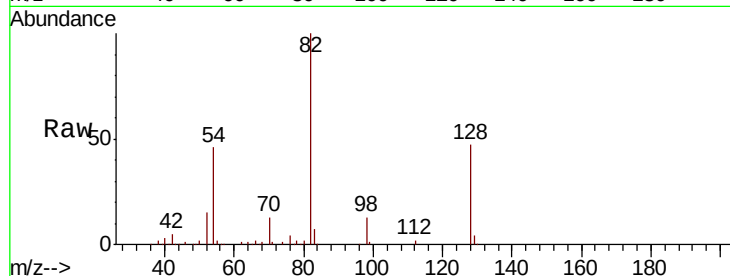




#23
 Nitrobenzene-d5
 Concen: 91.756 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042475.D
 Acq: 25 Aug 2019 13:14

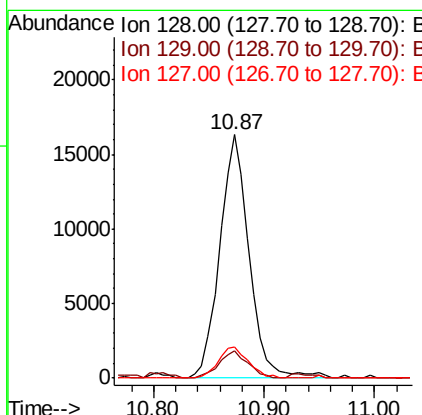
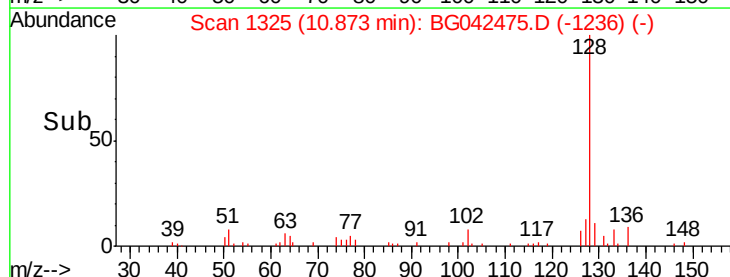
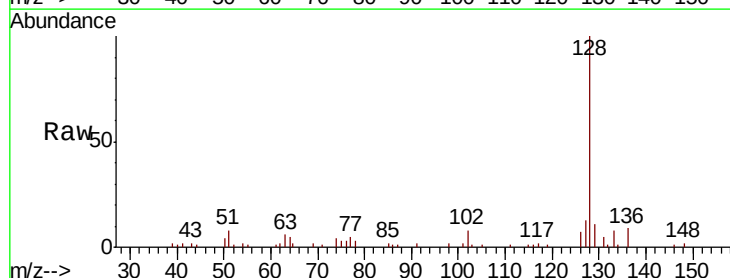
Instrument :
 BNA_G
 ClientSampleId :

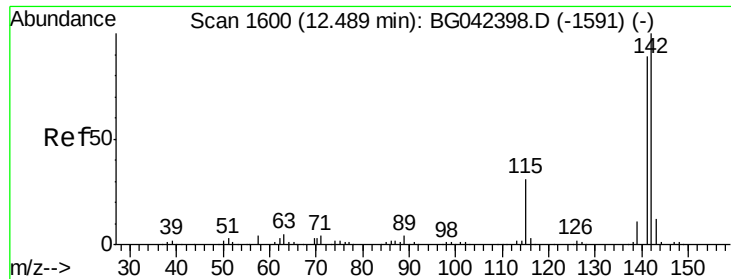
Tot Ion	82	Resp	260702
Ion	Ratio	Lower	Upper
82	100		
128	47.4	40.7	61.1
54	46.4	36.3	54.5



#31
 Naphthalene
 Concen: 3.322 ng
 RT: 10.87 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BG042475.D
 Acq: 25 Aug 2019 13:14

Tgt Ion	128	Resp	30286
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.0	11.4	17.0

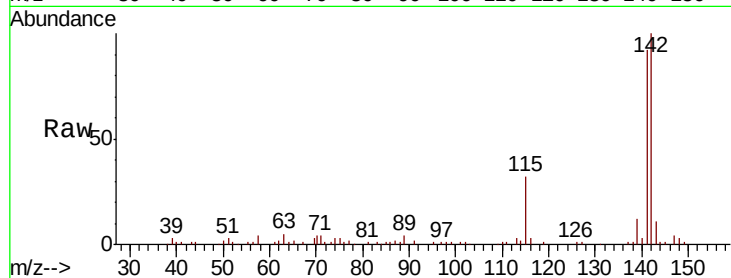




#37
2-Methylnaphthalene
Concen: 9.437 ng
RT: 12.48 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.4	107.2
115	31.5	25.2	37.8

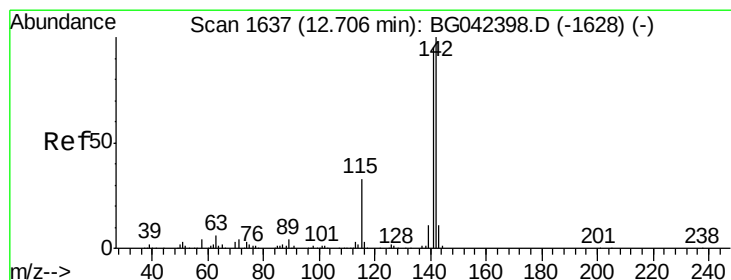
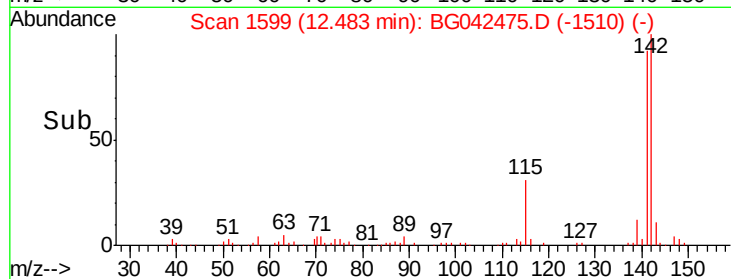
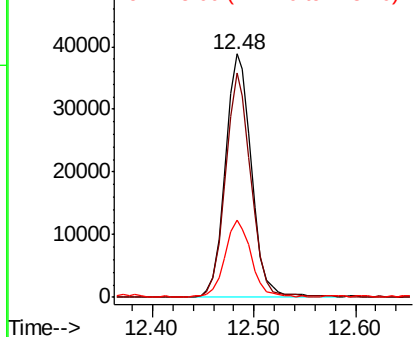


Abundance

Ion 142.00 (141.70 to 142.70): E

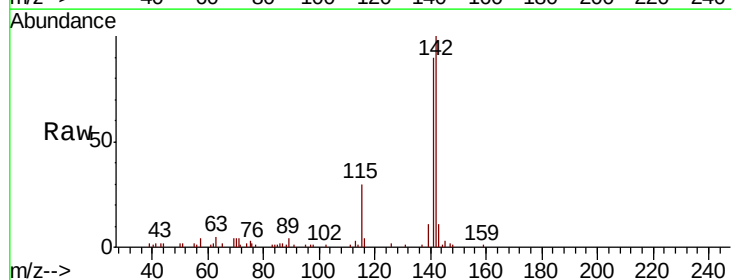
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 5.531 ng
RT: 12.71 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	76.2	114.2
116	3.8	2.8	4.2

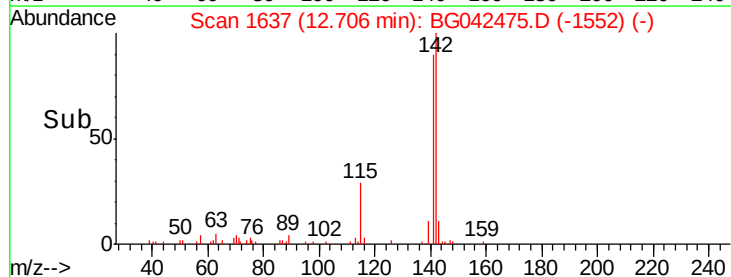
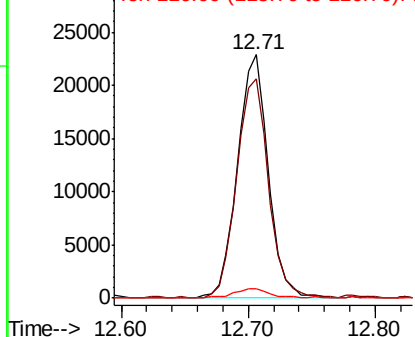


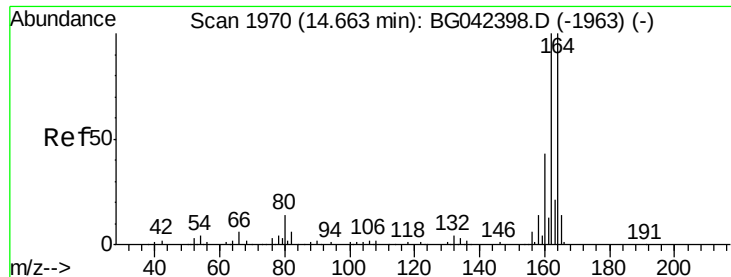
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Instrument :

BNA_G

ClientSampleId :

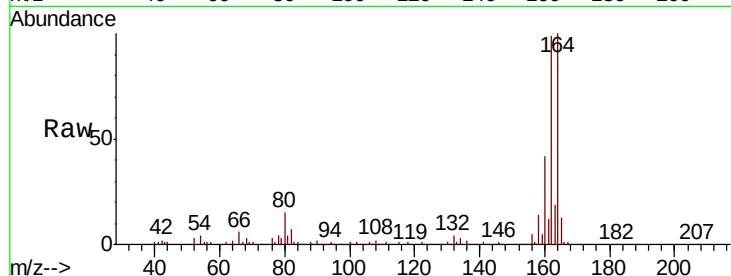
Tot Ion:164 Resp: 146271

Ion Ratio Lower Upper

164 100

162 98.8 79.9 119.9

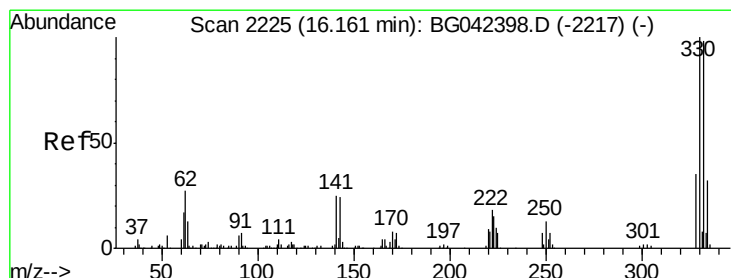
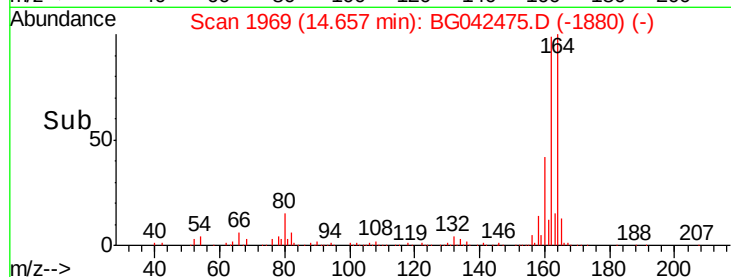
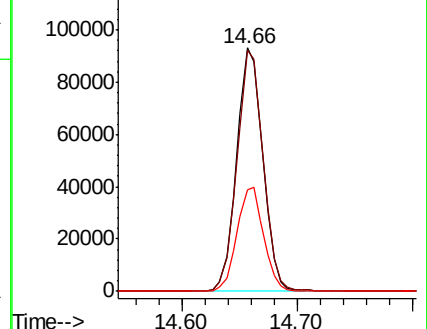
160 41.9 34.3 51.5



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: 142.071 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

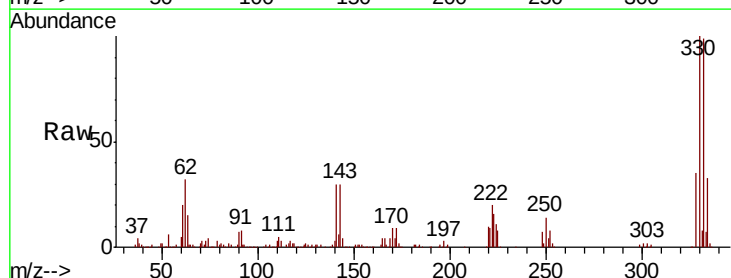
Tgt Ion:330 Resp: 295366

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

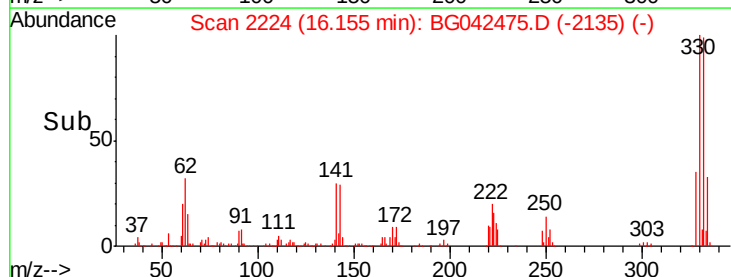
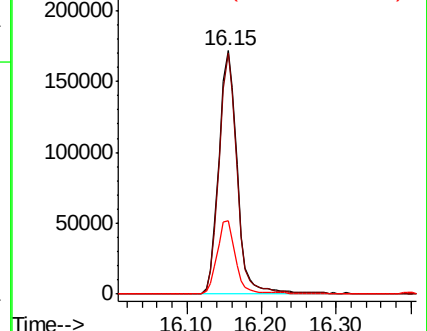
141 30.5 21.4 32.0

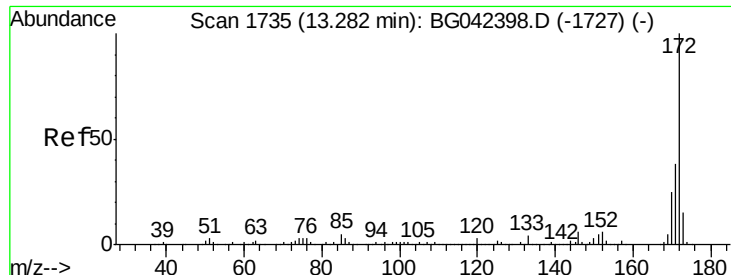


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

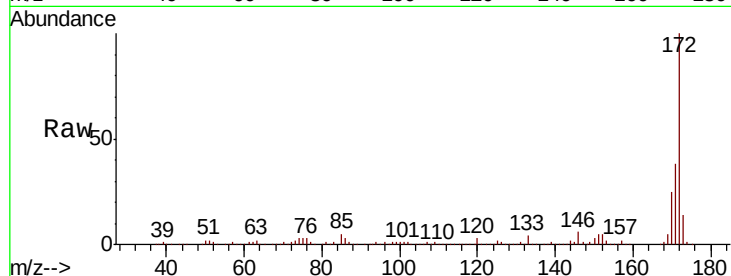




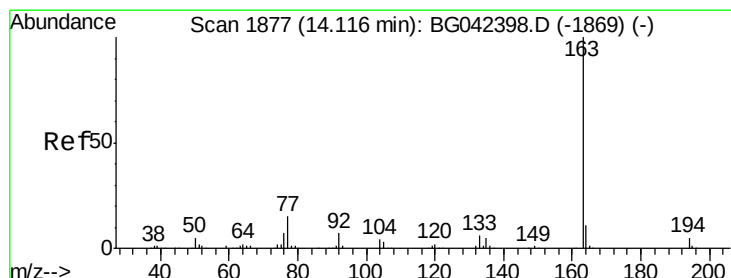
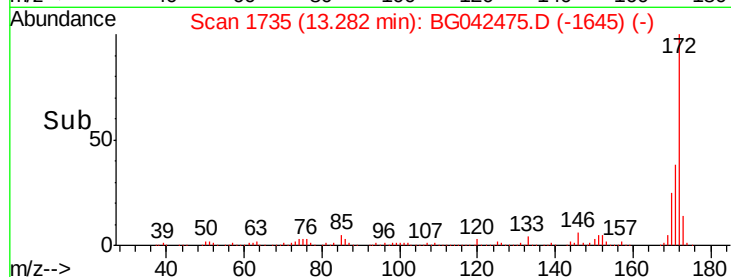
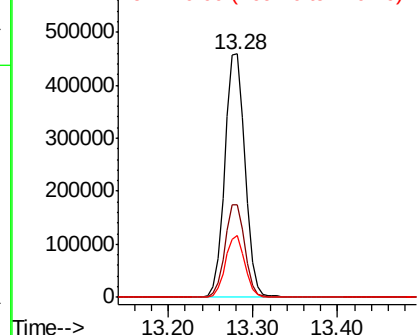
#45
2-Fluorobiphenyl
Concen: 88.311 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.5	45.7
170	25.2	20.2	30.2

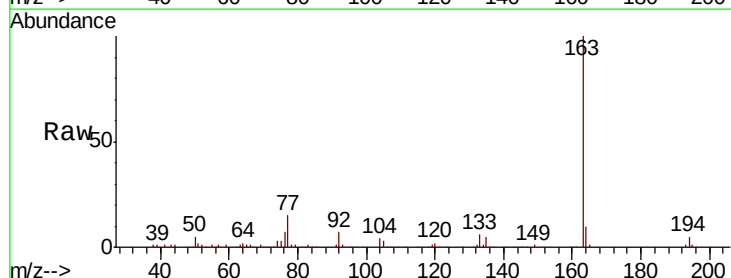


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

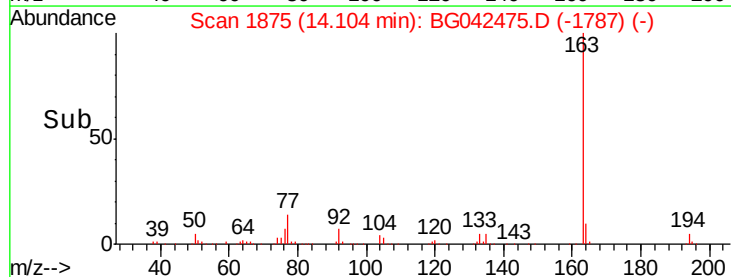
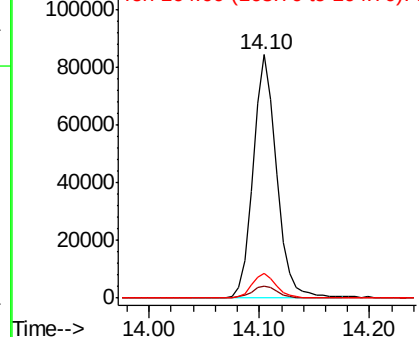


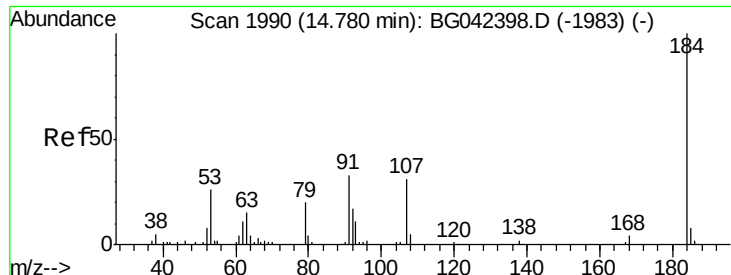
#50
Dimethylphthalate
Concen: 11.987 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042475.D
Acq: 25 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	4.2	6.2
164	10.1	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

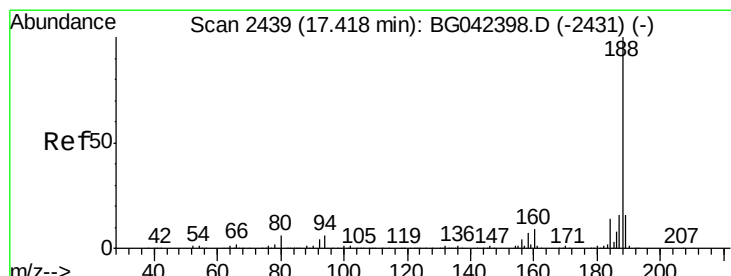
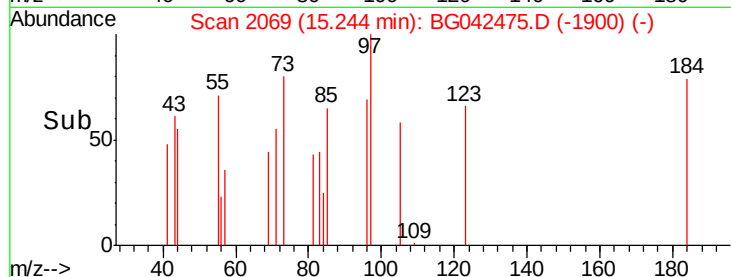
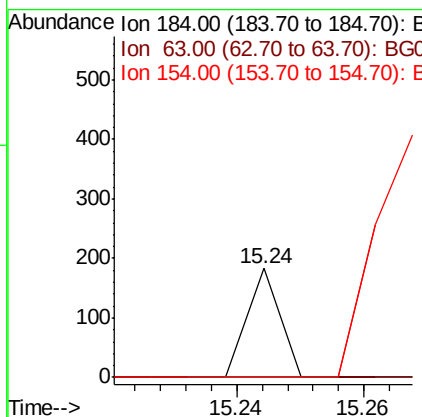
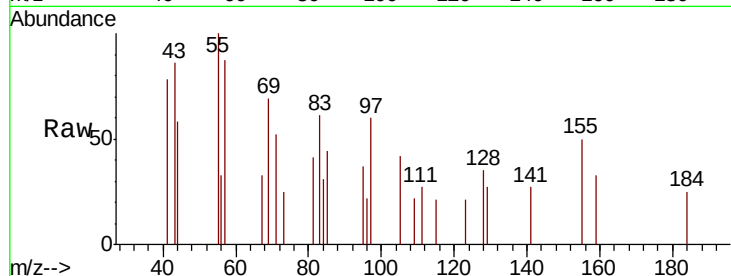




#54
 2,4-Dinitrophenol
 Concen: 6.298 ng
 RT: 15.24 min Scan# 2069
 Delta R.T. 0.46 min
 Lab File: BG042475.D
 Acq: 25 Aug 2019 13:14

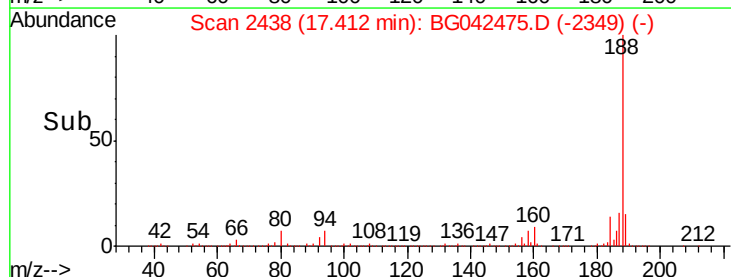
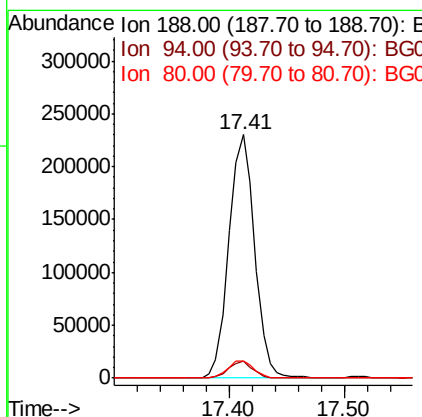
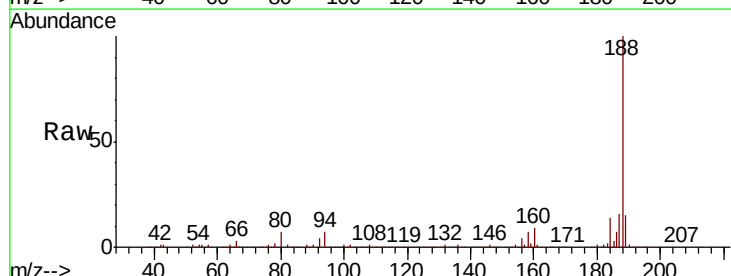
Instrument :
 BNA_G
 ClientSampleId :

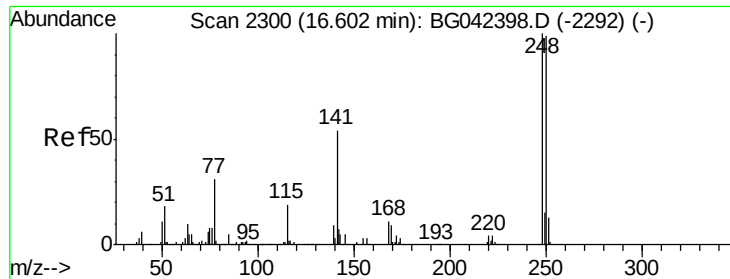
Tot Ion:184 Resp: 65
 Ion Ratio Lower Upper
 184 100
 63 0.0 31.7 47.5#
 154 0.0 42.0 63.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042475.D
 Acq: 25 Aug 2019 13:14

Tgt Ion:188 Resp: 356379
 Ion Ratio Lower Upper
 188 100
 94 7.1 4.5 6.7#
 80 7.2 4.9 7.3

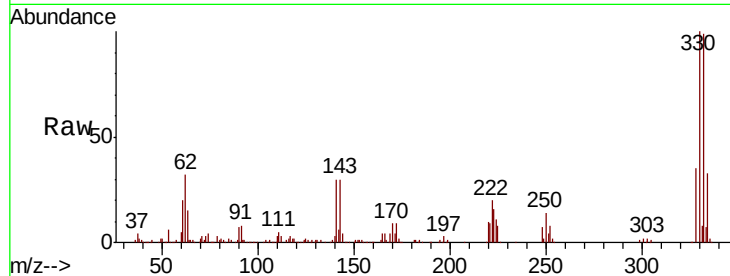




#67
 4-Bromophenyl-phenylether
 Concen: 4.672 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042475.D
 Acq: 25 Aug 2019 13:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.0	78.9	118.3#
141	405.5	43.3	64.9#

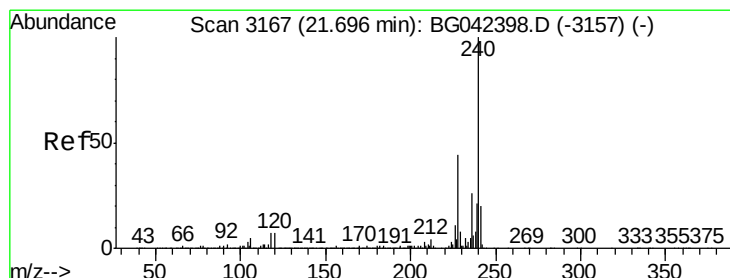
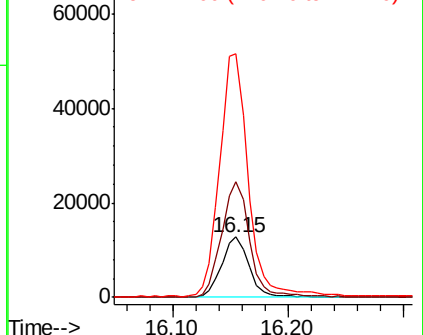
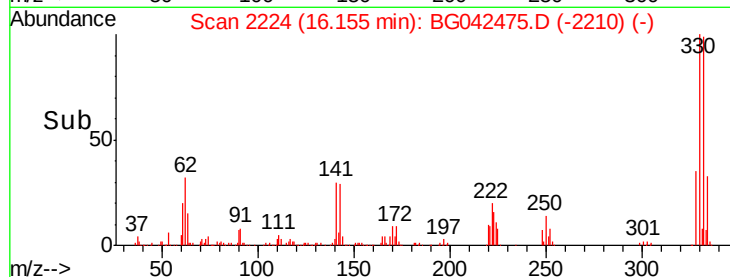


Abundance

Ion 248.00 (247.70 to 248.70): E

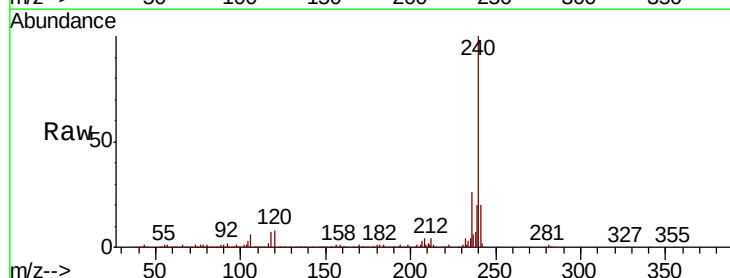
Ion 250.00 (249.70 to 250.70): E

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: BG042475.D
 Acq: 25 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	5.7	8.5
236	26.3	21.0	31.4

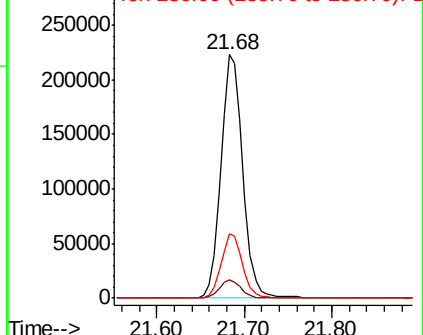
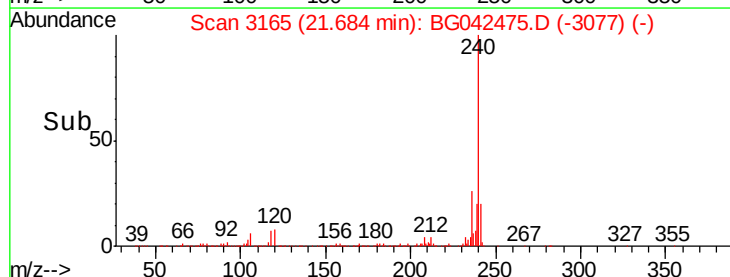


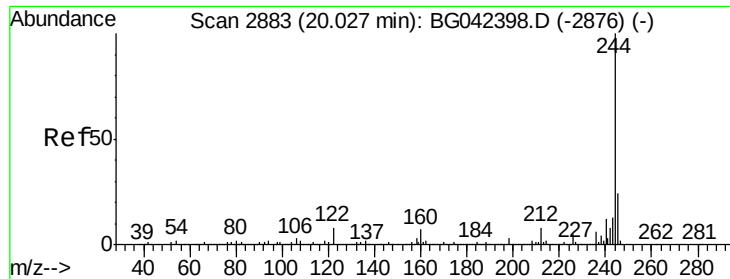
Abundance

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: 80.603 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

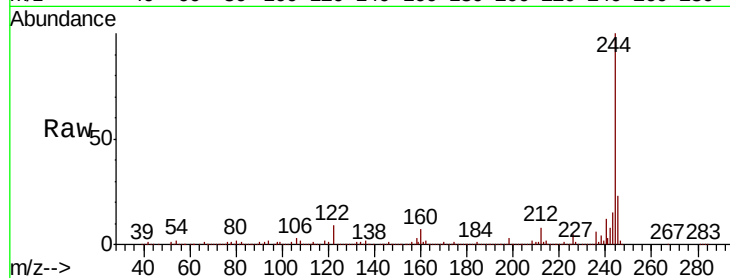
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1431842

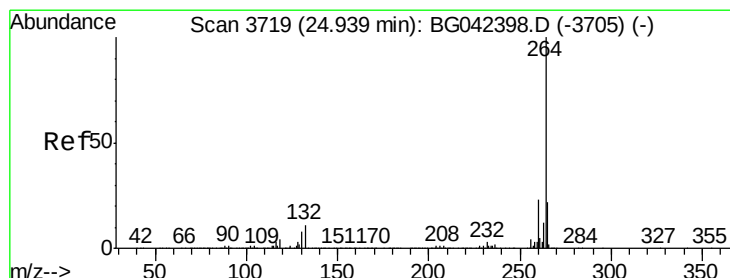
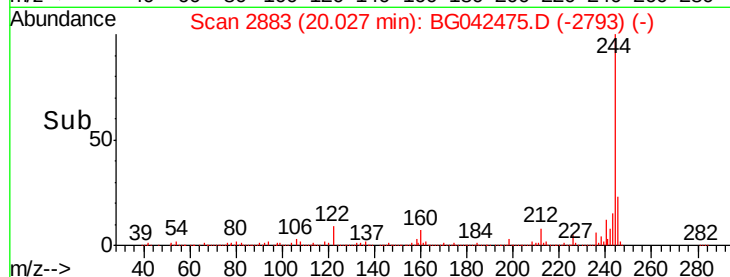
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	8.6	6.7	10.1



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# 3717

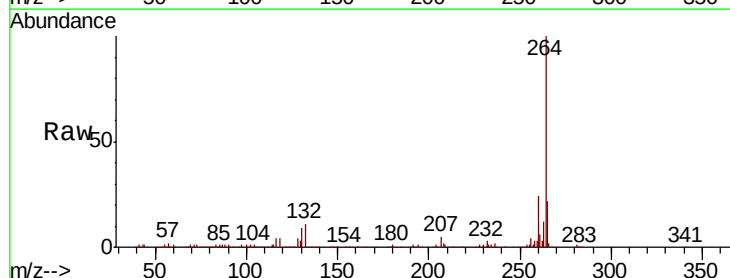
Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Tgt Ion:264 Resp: 448811

Ion	Ratio	Lower	Upper
264	100		
260	24.1	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

