

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
 Data File : BG041515.D
 Acq On : 28 Jun 2019 16:26
 Operator : HP/JU
 Sample : K3580-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-062619-A

Quant Time: Jun 29 01:49:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

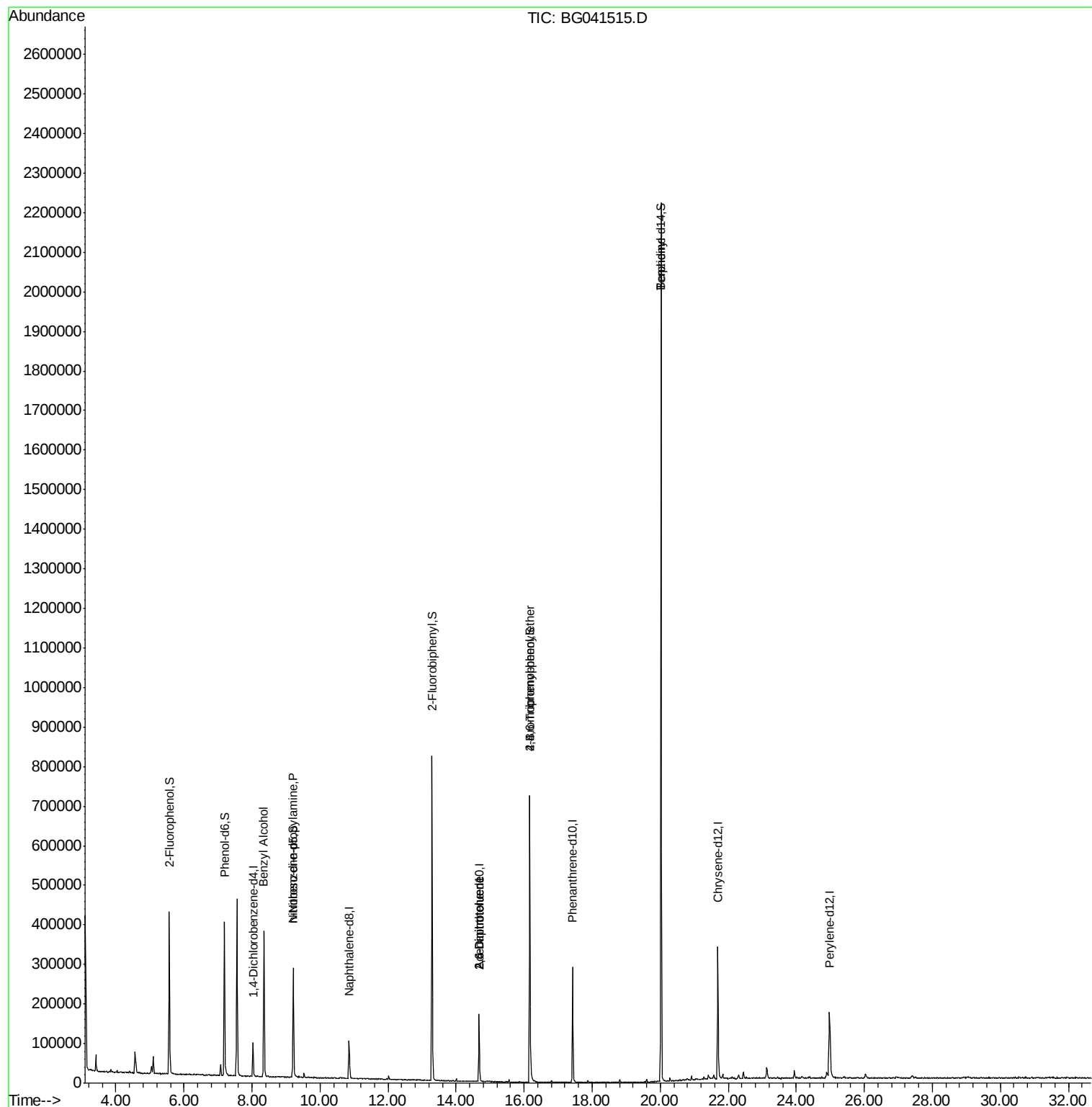
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	24418	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	83545	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	62263	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	185770	20.00	ng	0.00
76) Chrysene-d12	21.69	240	218481	20.00	ng	0.00
87) Perylene-d12	24.98	264	226235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	164902	120.40	ng	0.00
7) Phenol-d6	7.19	99	205128	106.39	ng	0.00
23) Nitrobenzene-d5	9.21	82	175832	87.78	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	148297	139.49	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	423841	87.35	ng	0.00
79) Terphenyl-d14	20.03	244	1062891	103.38	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3392	2.209	ng	# 51
19) n-Nitroso-di-n-propylamine	9.21	70	24490	17.029	ng	# 77
51) 2,6-Dinitrotoluene	14.67	165	7647	6.360	ng	# 15
57) 2,4-Dinitrotoluene	14.67	165	7647	4.384	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	10635	4.189	ng	# 1
77) Benzidine	20.03	184	17519	3.614	ng	98

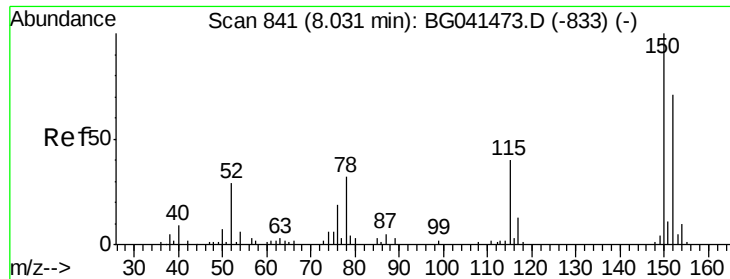
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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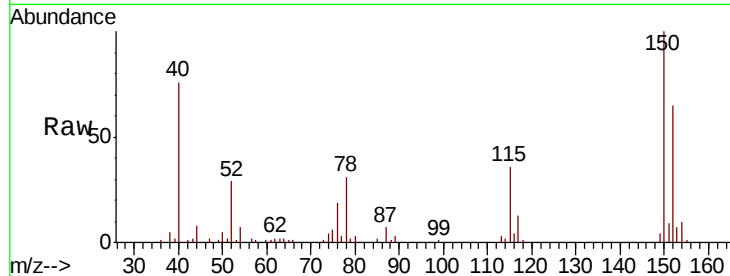


#1

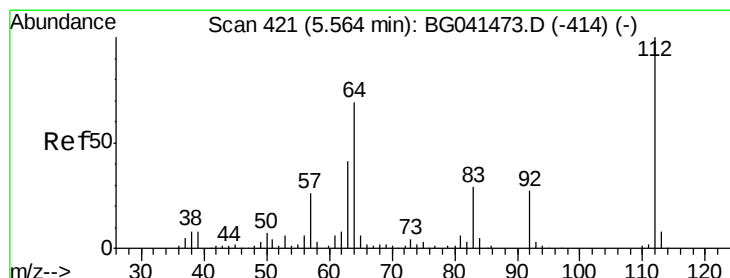
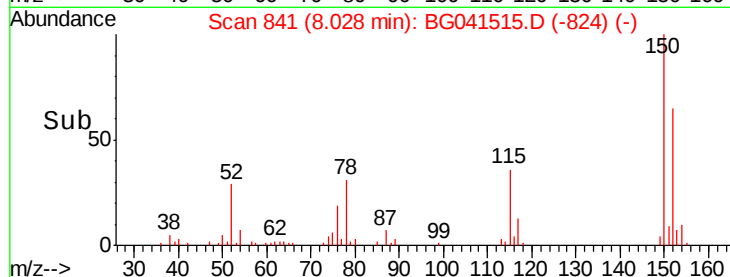
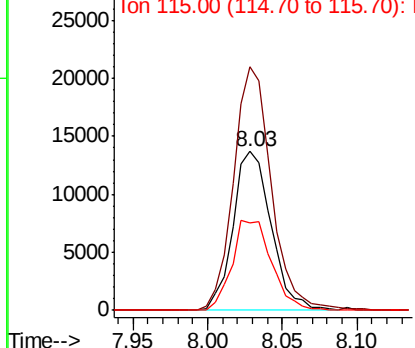
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

Instrument :
BNA_G
ClientSampleId :
CL-02-062619-A

Tgt Ion:152 Resp: 24418
Ion Ratio Lower Upper
152 100
150 153.6 112.4 168.6
115 54.9 44.6 66.8



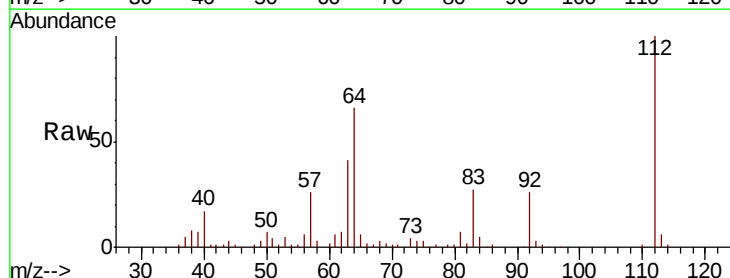
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



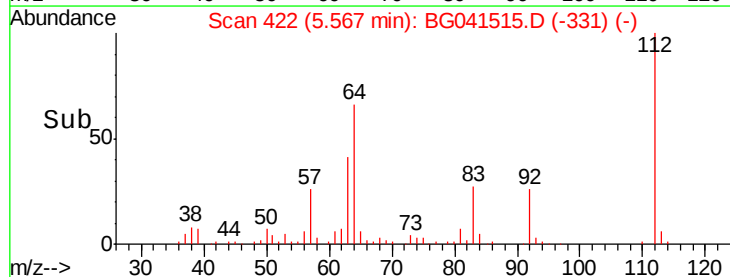
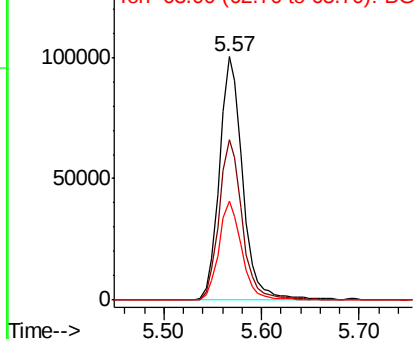
#5

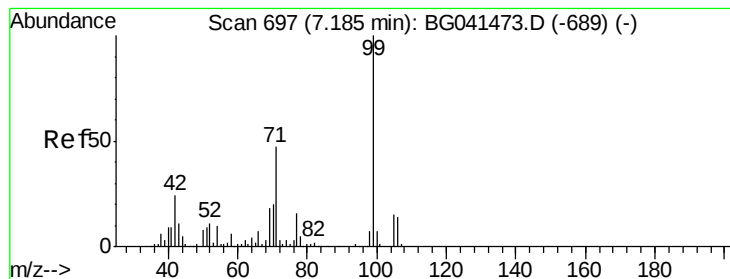
2-Fluorophenol
Concen: 120.401 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

Tgt Ion:112 Resp: 164902
Ion Ratio Lower Upper
112 100
64 65.8 55.1 82.7
63 40.8 32.4 48.6



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: 106.392 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-A

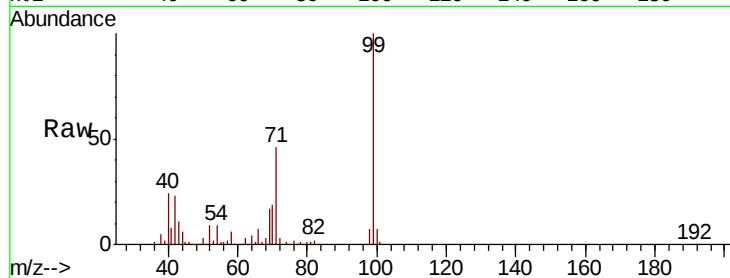
Tgt Ion: 99 Resp: 205128

Ion Ratio Lower Upper

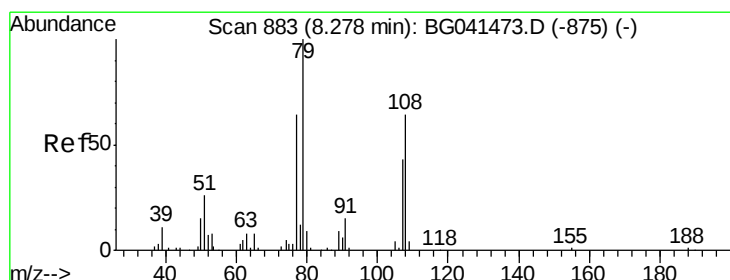
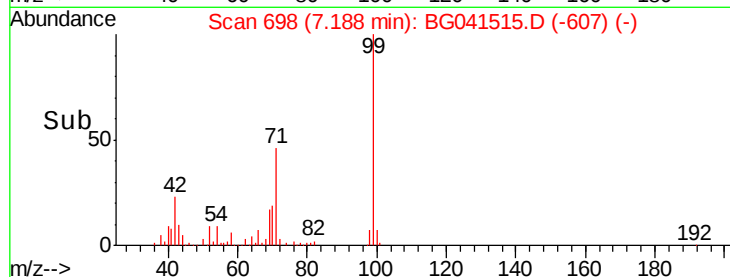
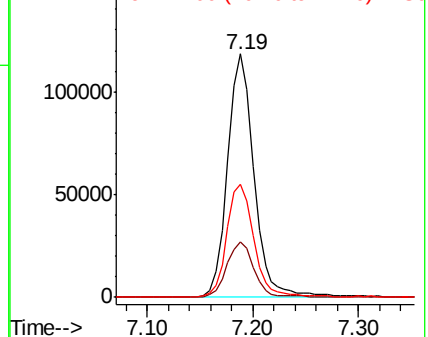
99 100

42 22.7 19.0 28.6

71 46.5 37.4 56.2



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



#15

Benzyl Alcohol

Concen: 2.209 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

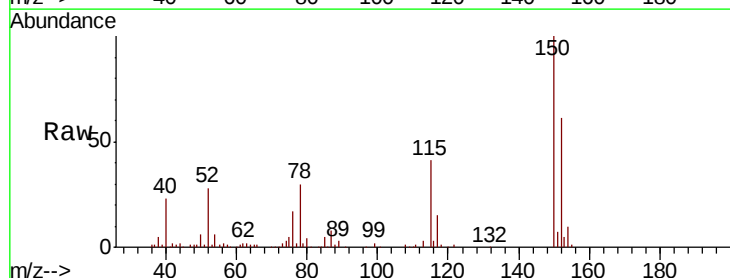
Tgt Ion: 79 Resp: 3392

Ion Ratio Lower Upper

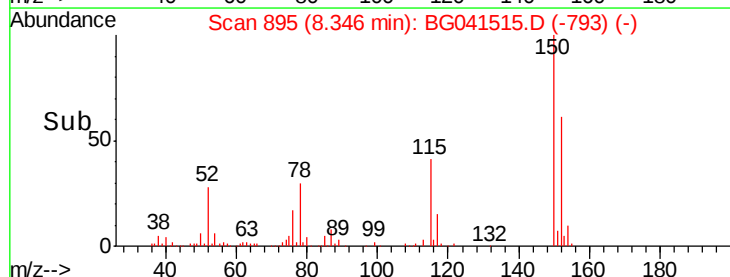
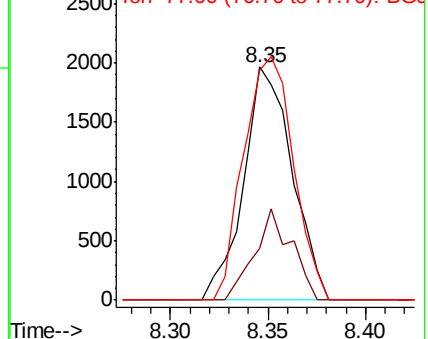
79 100

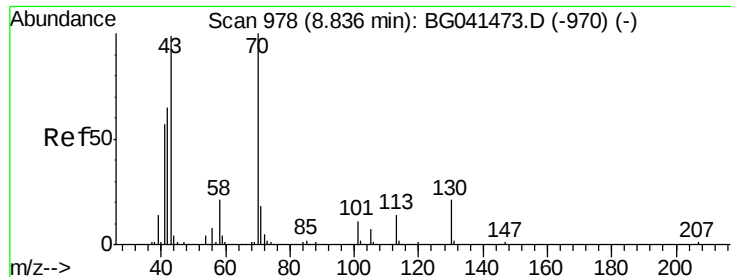
108 22.0 51.4 77.0#

77 98.5 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

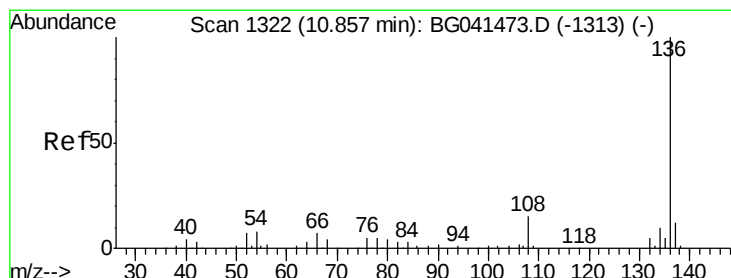
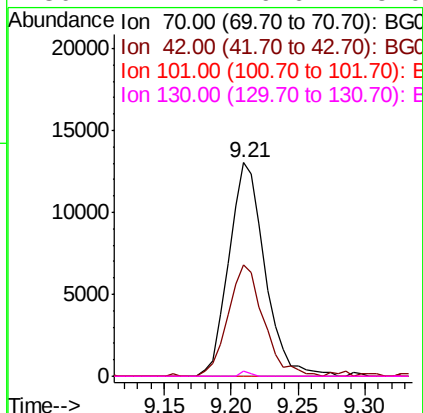
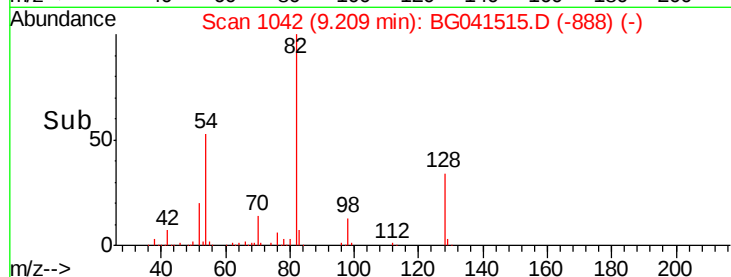
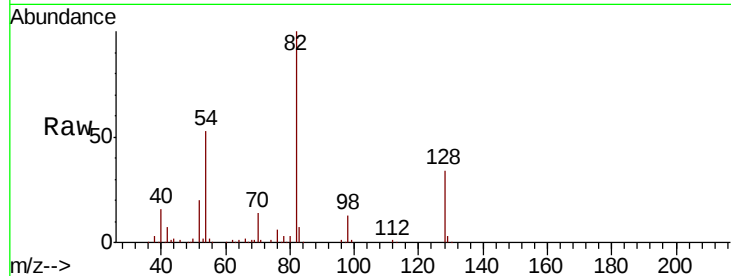




#19
n-Nitroso-di-n-propylamine
Concen: 17.029 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.37 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

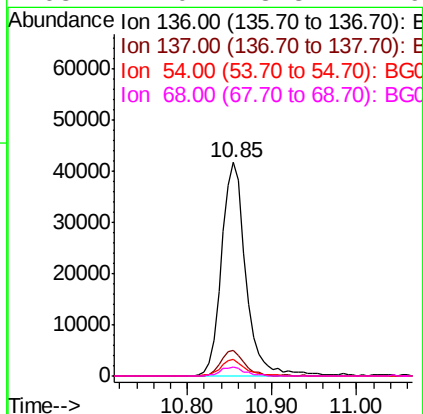
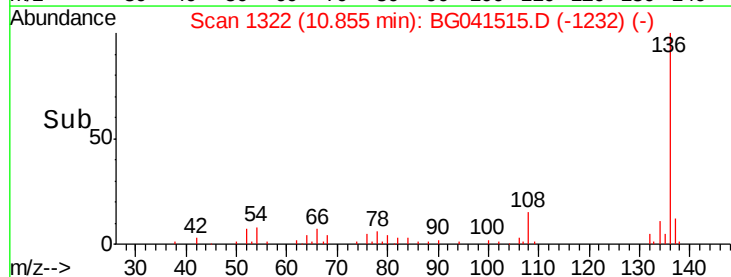
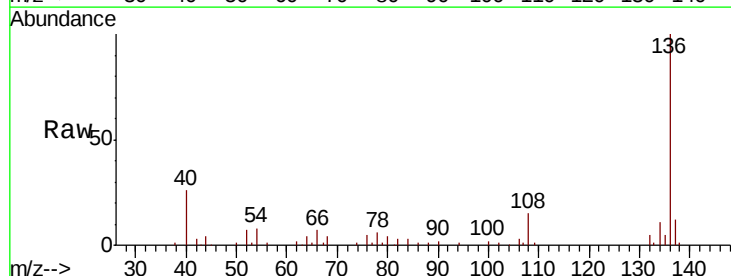
Instrument :
BNA_G
ClientSampleId :
CL-02-062619-A

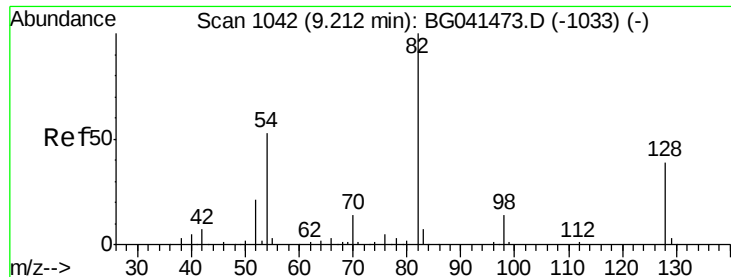
Tgt Ion: 70 Resp: 24490
Ion Ratio Lower Upper
70 100
42 52.1 52.6 78.8#
101 0.0 8.6 13.0#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

Tgt Ion: 136 Resp: 83545
Ion Ratio Lower Upper
136 100
137 12.0 9.3 13.9
54 7.9 7.1 10.7
68 4.0 3.3 4.9

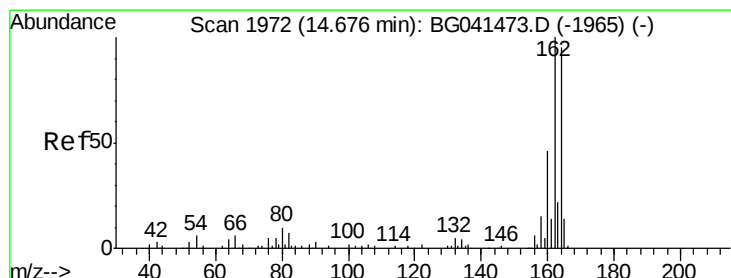
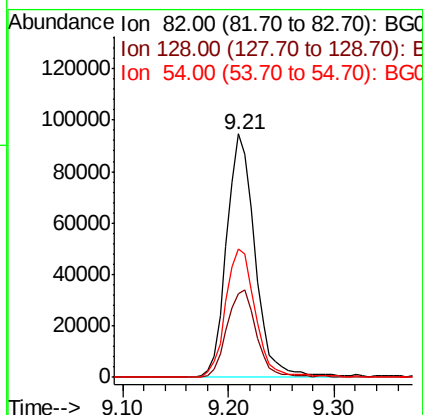
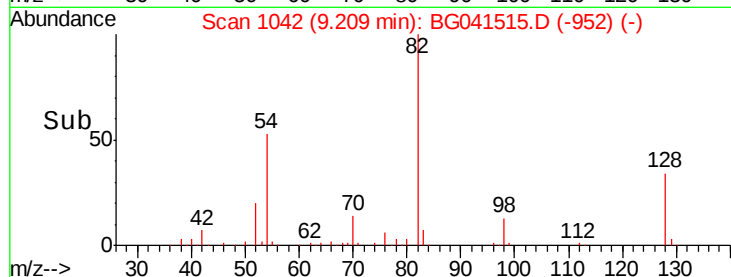
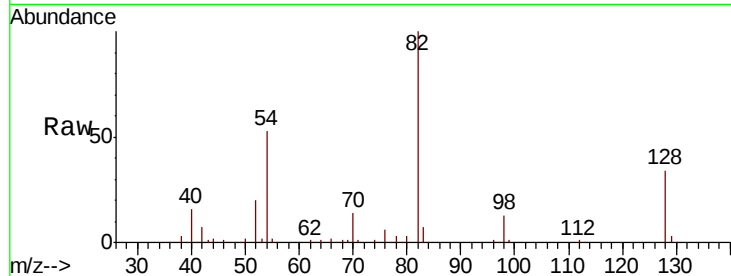




#23
Nitrobenzene-d5
Concen: 87.778 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

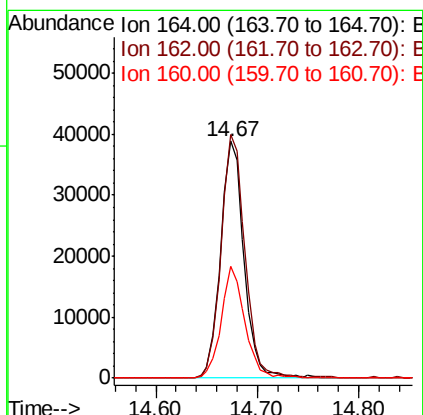
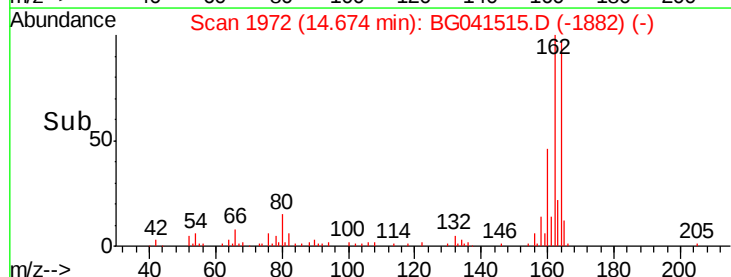
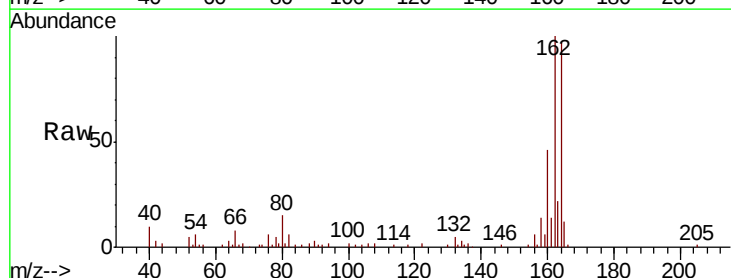
Instrument :
BNA_G
ClientSampleId :
CL-02-062619-A

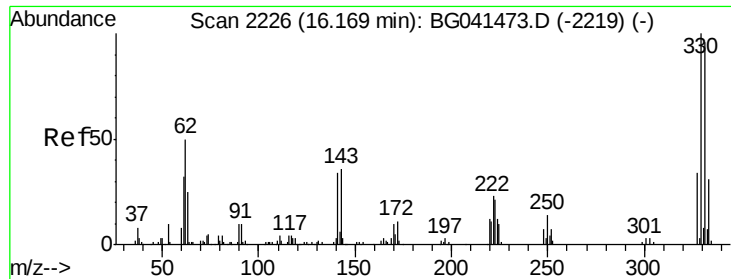
Tgt Ion: 82 Resp: 175832
Ion Ratio Lower Upper
82 100
128 34.4 30.9 46.3
54 52.8 42.2 63.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

Tgt Ion: 164 Resp: 62263
Ion Ratio Lower Upper
164 100
162 102.8 84.4 126.6
160 47.0 38.8 58.2

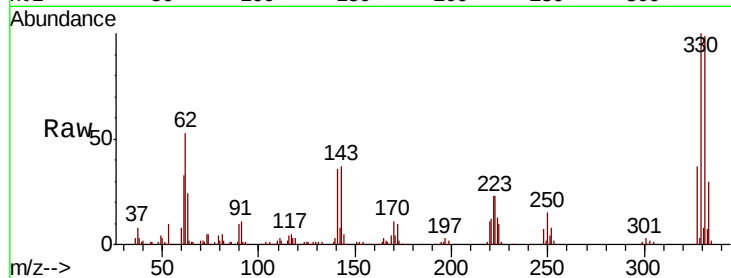




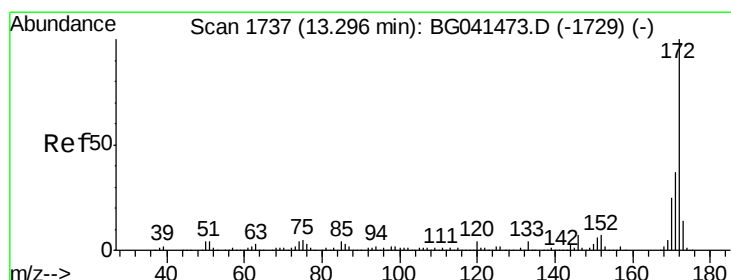
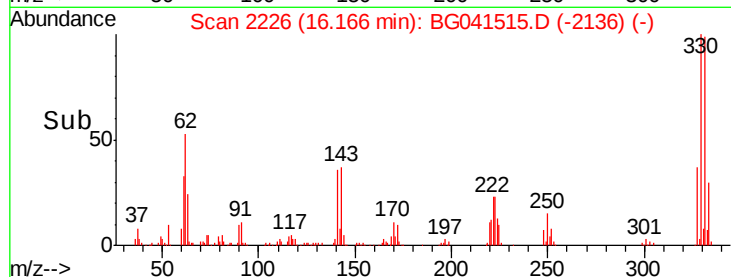
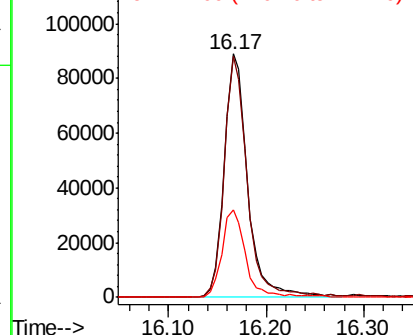
#42
 2,4,6-Tribromophenol
 Concen: 139.495 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG041515.D
 Acq: 28 Jun 2019 16:26

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-062619-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.5	113.3
141	36.4	27.8	41.6

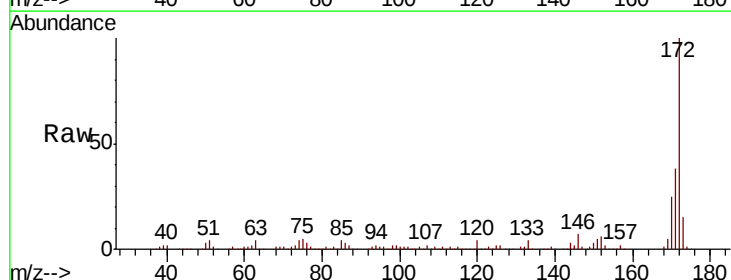


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

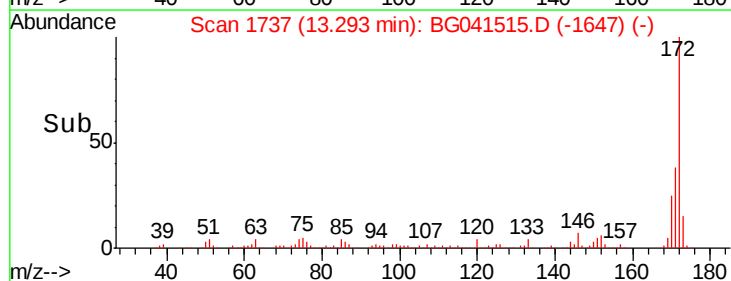
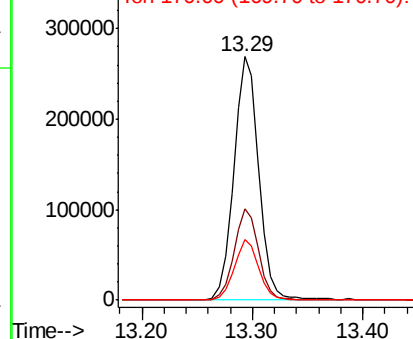


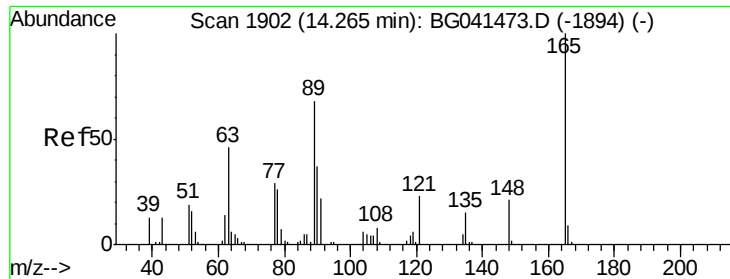
#45
 2-Fluorobiphenyl
 Concen: 87.355 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041515.D
 Acq: 28 Jun 2019 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.6	44.4
170	24.8	20.0	30.0



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: 6.360 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-A

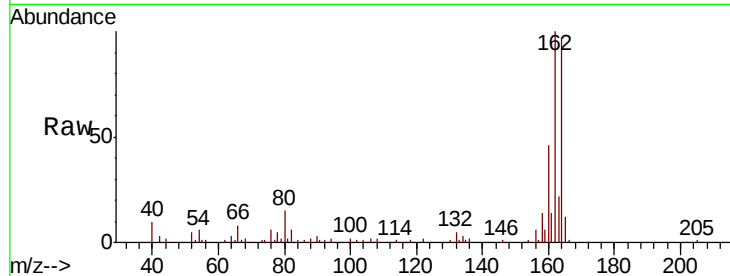
Tgt Ion:165 Resp: 7647

Ion Ratio Lower Upper

165 100

63 0.0 56.4 84.6#

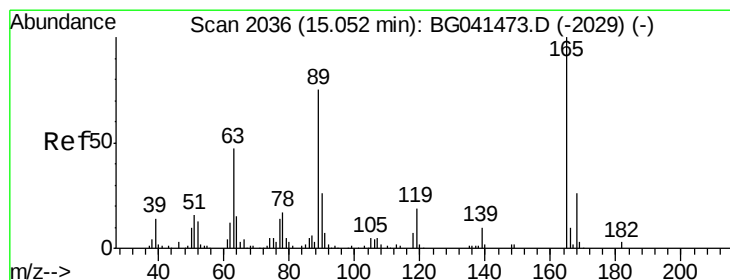
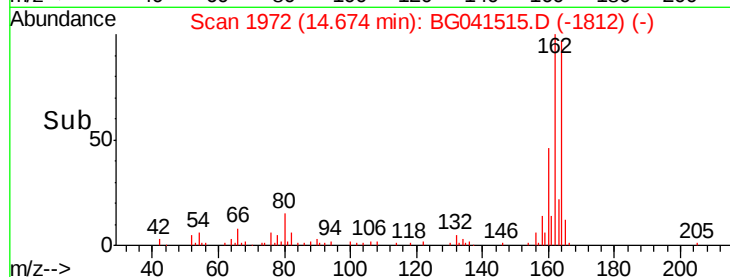
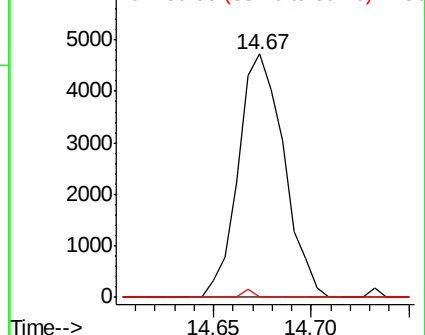
89 0.0 54.6 81.8#



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: 4.384 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

Tgt Ion:165 Resp: 7647

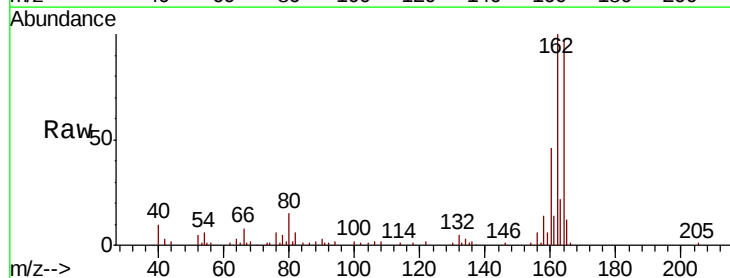
Ion Ratio Lower Upper

165 100

63 0.0 38.8 58.2#

89 0.0 60.1 90.1#

182 0.0 2.2 3.2#

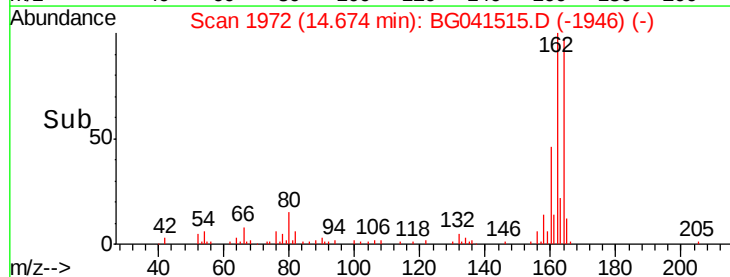
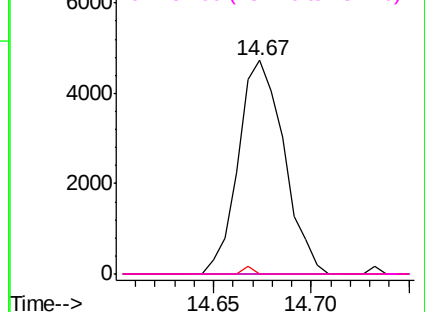


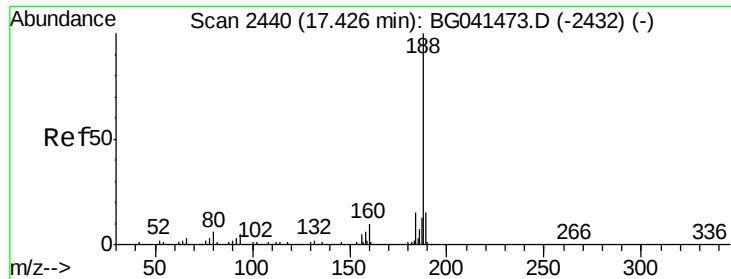
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-A

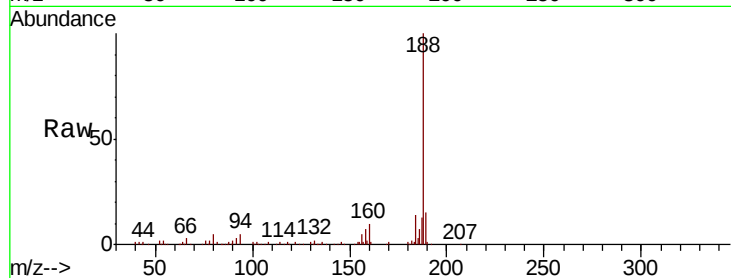
Tgt Ion:188 Resp: 185770

Ion Ratio Lower Upper

188 100

94 4.9 3.8 5.8

80 5.4 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

150000

100000

50000

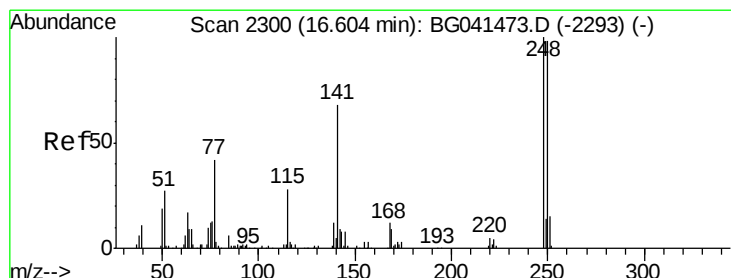
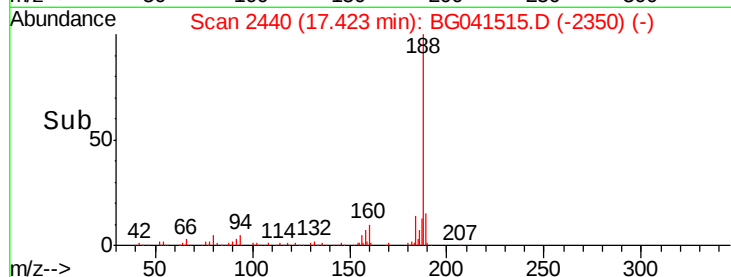
0

17.42

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.189 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.44 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

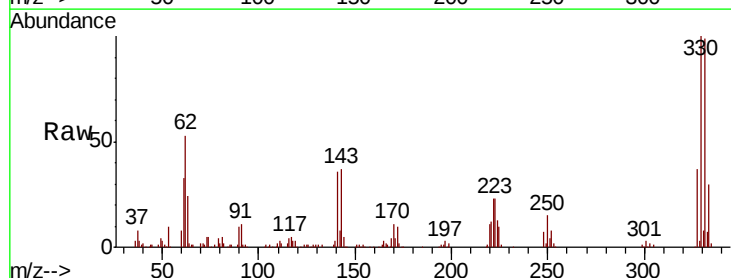
Tgt Ion:248 Resp: 10635

Ion Ratio Lower Upper

248 100

250 204.6 78.1 117.1#

141 488.7 54.1 81.1#



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

40000

30000

20000

10000

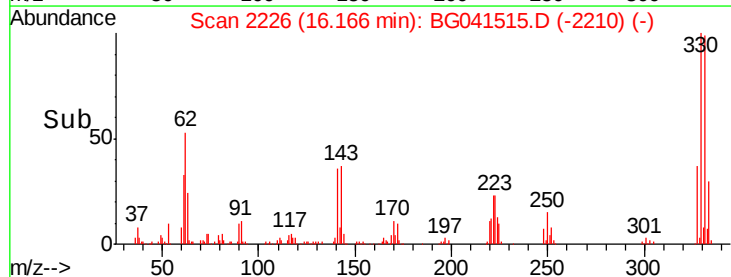
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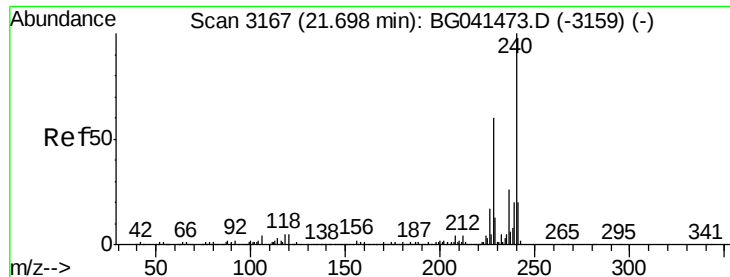
16.17

16.10

16.20

Time-->

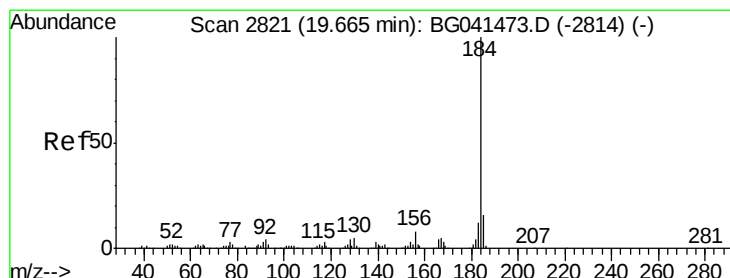
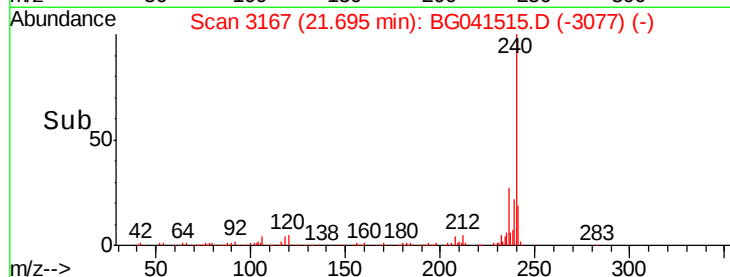
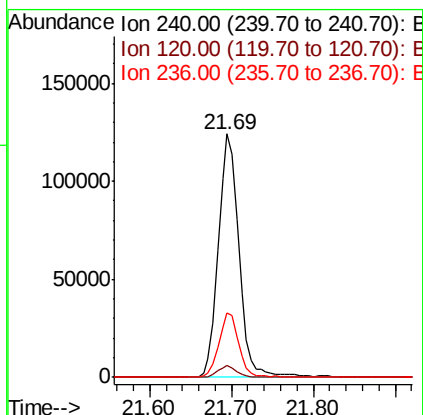
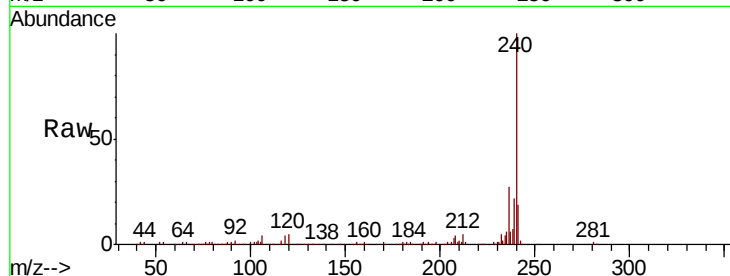




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

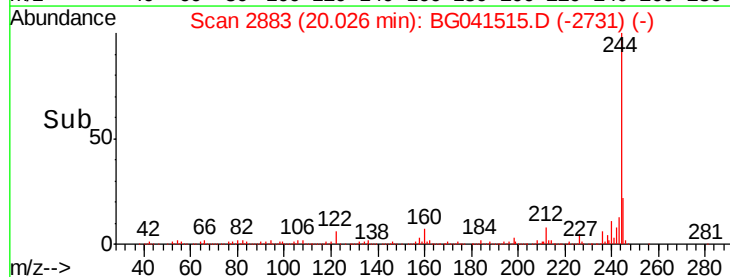
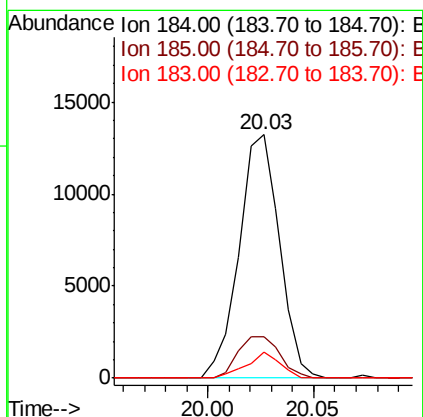
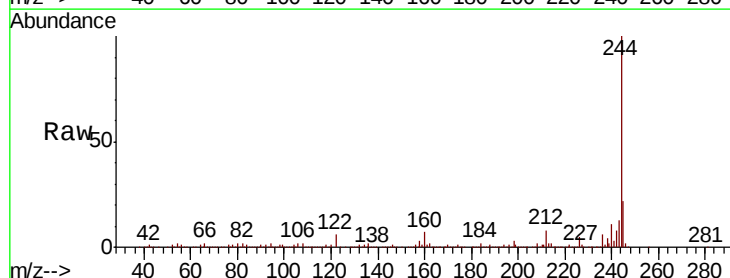
Instrument :
BNA_G
ClientSampleId :
CL-02-062619-A

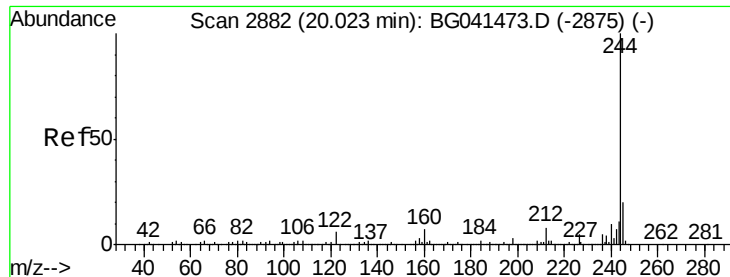
Tgt Ion:240 Resp: 218481
Ion Ratio Lower Upper
240 100
120 4.7 3.7 5.5
236 26.6 20.8 31.2



#77
Benzidine
Concen: 3.614 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.36 min
Lab File: BG041515.D
Acq: 28 Jun 2019 16:26

Tgt Ion:184 Resp: 17519
Ion Ratio Lower Upper
184 100
185 17.0 12.7 19.1
183 10.9 9.4 14.2





#79

Terphenyl-d14

Concen: 103.383 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-A

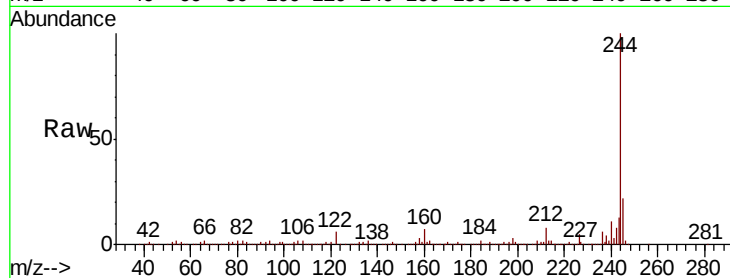
Tgt Ion:244 Resp: 1062891

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.4

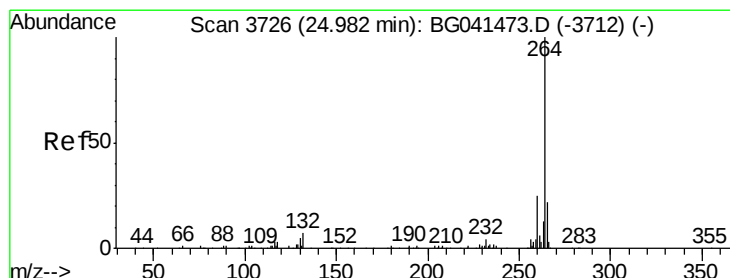
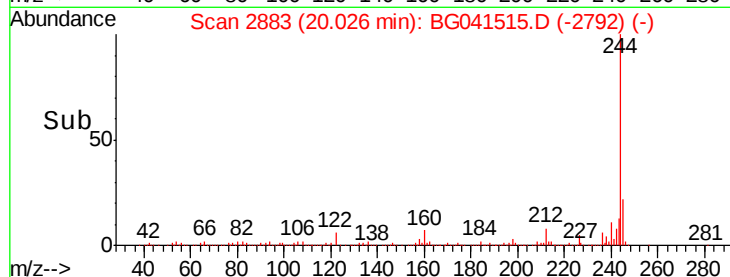
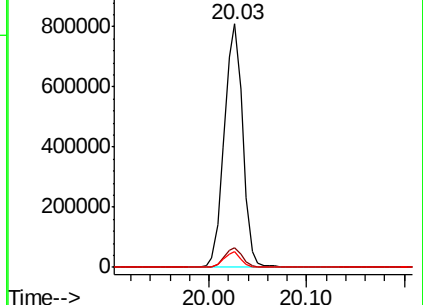
122 6.3 4.8 7.2



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: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG041515.D

Acq: 28 Jun 2019 16:26

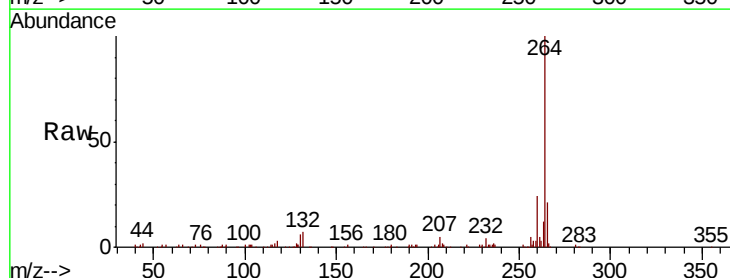
Tgt Ion:264 Resp: 226235

Ion Ratio Lower Upper

264 100

260 24.0 19.7 29.5

265 20.5 17.4 26.2



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

