

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042441.D
 Acq On : 23 Aug 2019 20:04
 Operator : HP/JU
 Sample : K4418-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CFVP-228L

Quant Time: Aug 24 02:10:48 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	8.01	152	133614	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	524580	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	341064	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	655097	20.00	ng	0.00
76) Chrysene-d12	21.69	240	610686	20.00	ng	0.00
87) Perylene-d12	24.94	264	721547	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	849395	128.75	ng	0.00
7) Phenol-d6	7.17	99	1024341	114.95	ng	0.00
23) Nitrobenzene-d5	9.18	82	777088	102.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	536326	110.64	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1967696	97.58	ng	0.00
79) Terphenyl-d14	20.03	244	2393022	84.72	ng	0.00

Target Compounds

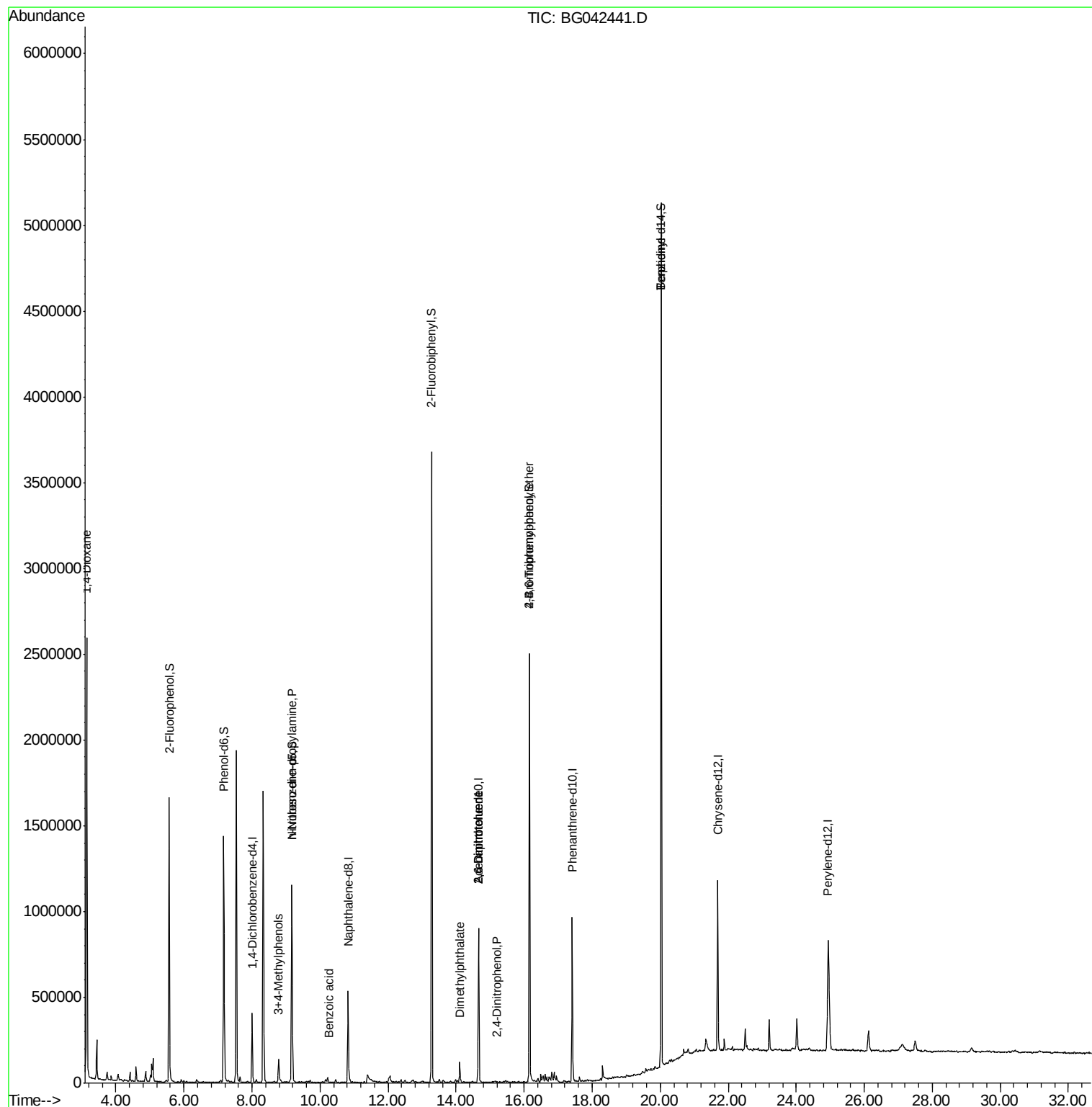
						Qvalue
2) 1,4-Dioxane	3.14	88	29911	10.864	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	98660	17.089	ng	# 74
20) 3+4-Methylphenols	8.78	107	94712	10.256	ng	87
32) Benzoic acid	10.27	122	341	8.228	ng	94
50) Dimethylphthalate	14.11	163	99989	4.063	ng	99
51) 2,6-Dinitrotoluene	14.66	165	44866	7.865	ng	# 37
54) 2,4-Dinitrophenol	15.20	184	135	6.294	ng	# 30
57) 2,4-Dinitrotoluene	14.66	165	44866	5.493	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	40902	4.922	ng	# 1
77) Benzidine	20.03	184	40736	2.327	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

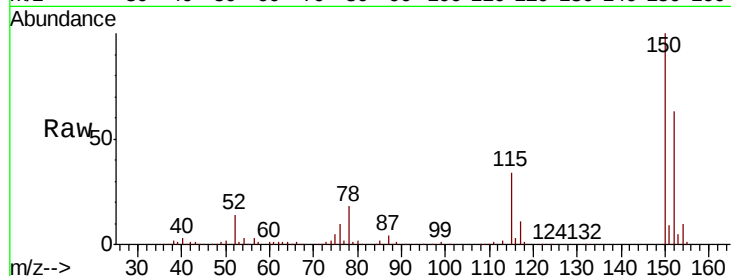
Tgt Ion:152 Resp: 133614

Ion Ratio Lower Upper

152 100

150 159.7 125.4 188.0

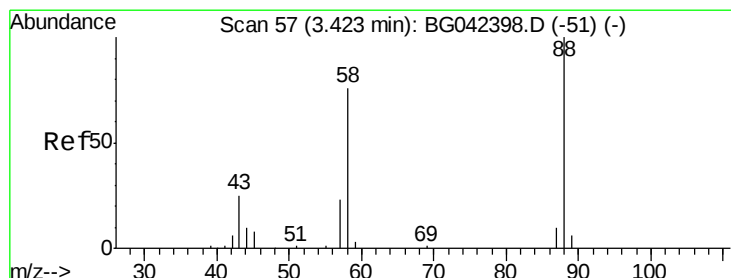
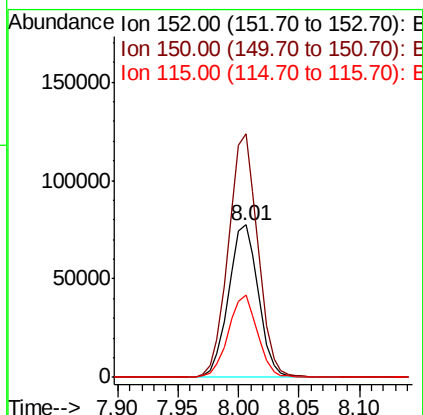
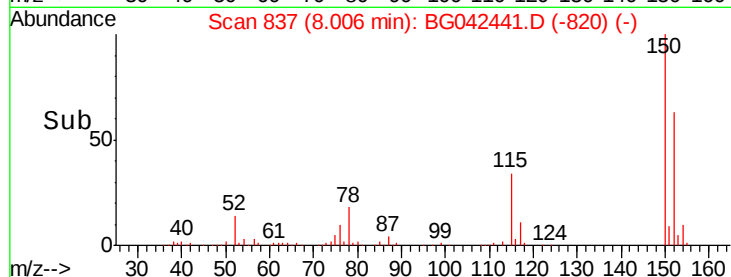
115 53.8 38.5 57.7



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



#2

1,4-Dioxane

Concen: 10.864 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.28 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

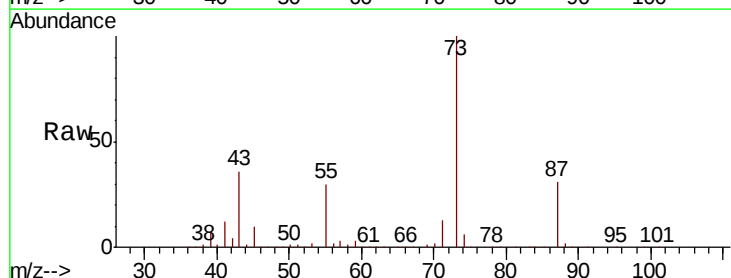
Tgt Ion: 88 Resp: 29911

Ion Ratio Lower Upper

88 100

58 24.0 58.3 87.5#

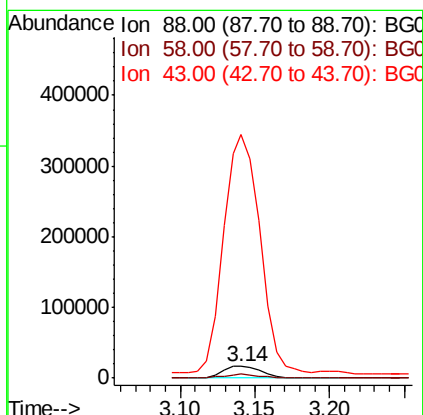
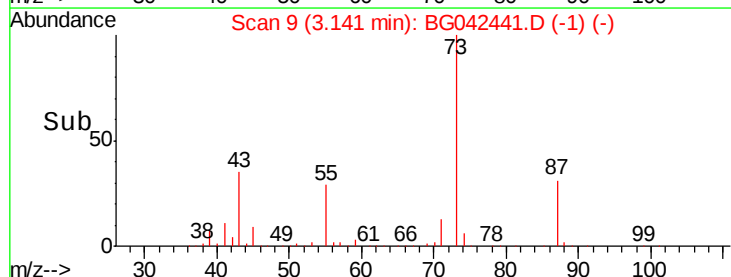
43 1901.8 20.2 30.2#

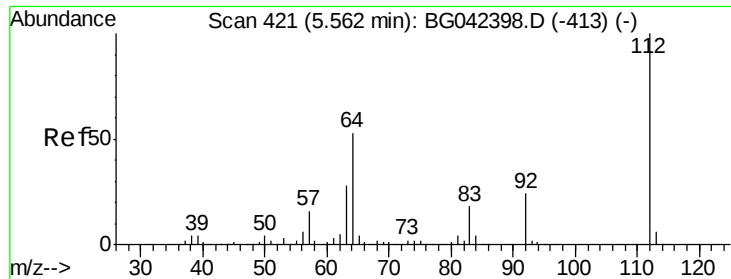


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 128.749 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

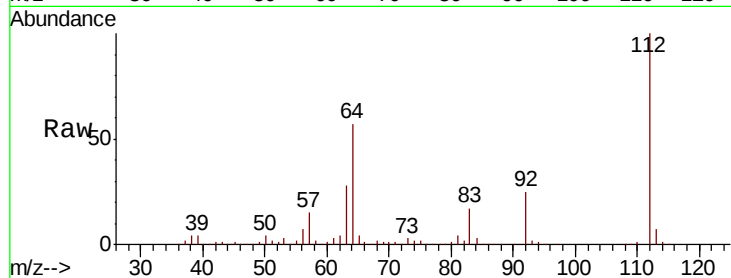
Tgt Ion: 112 Resp: 849395

Ion Ratio Lower Upper

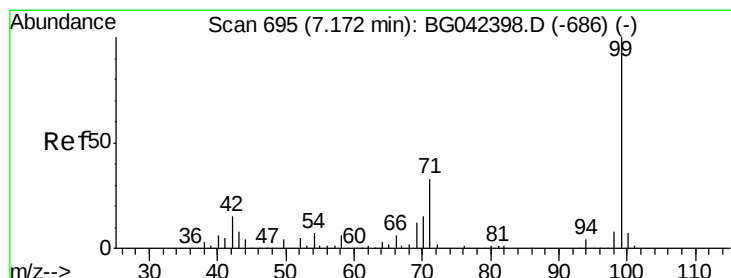
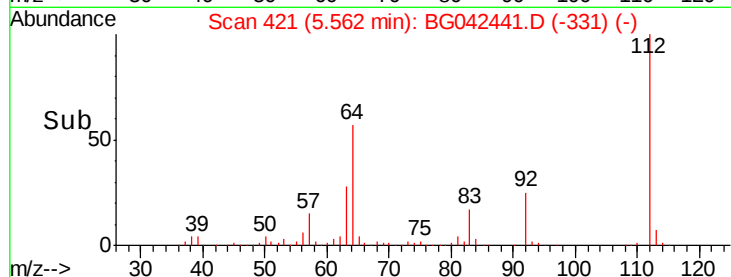
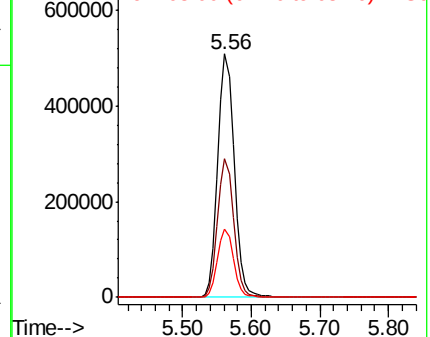
112 100

64 56.7 42.8 64.2

63 28.3 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 114.947 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

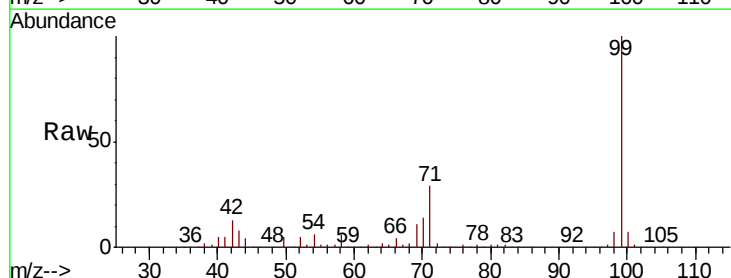
Tgt Ion: 99 Resp: 1024341

Ion Ratio Lower Upper

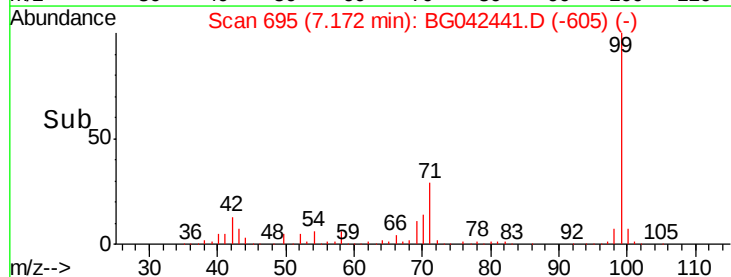
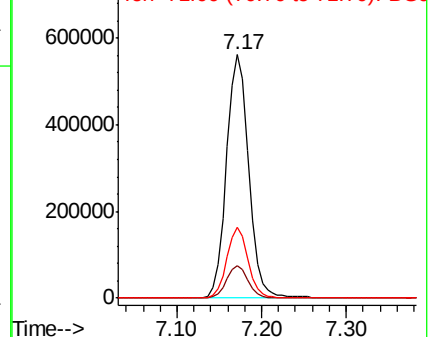
99 100

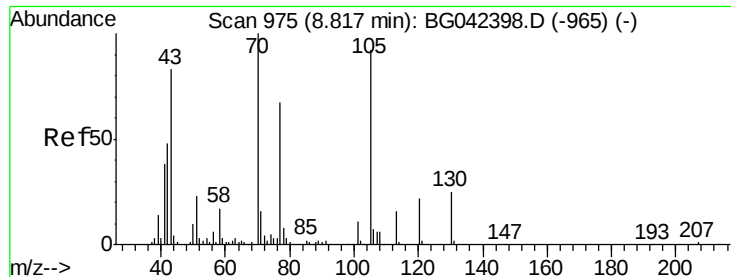
42 13.3 12.0 18.0

71 28.9 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

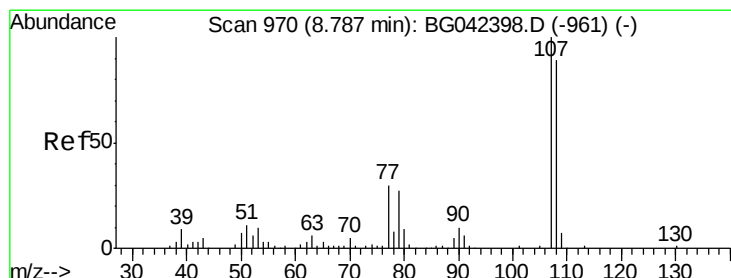
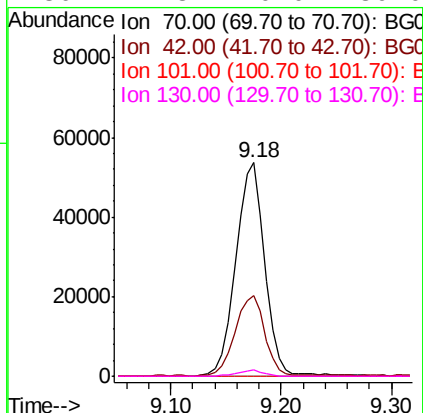
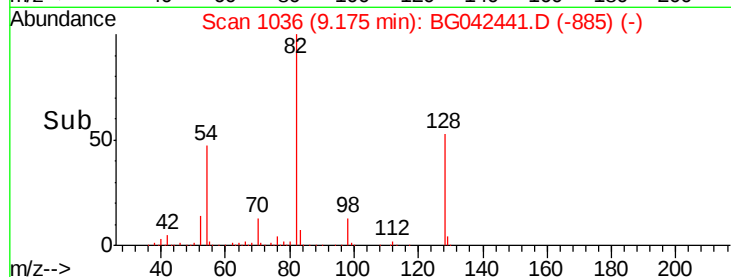
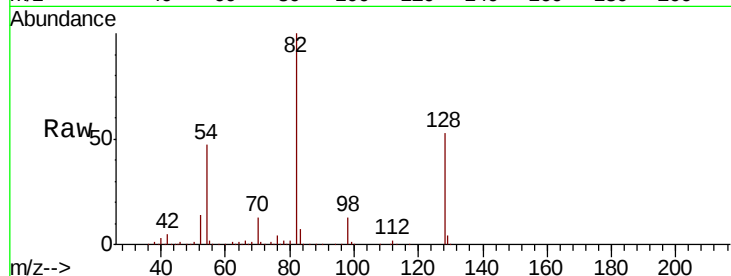




#19
n-Nitroso-di-n-propylamine
Concen: 17.089 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

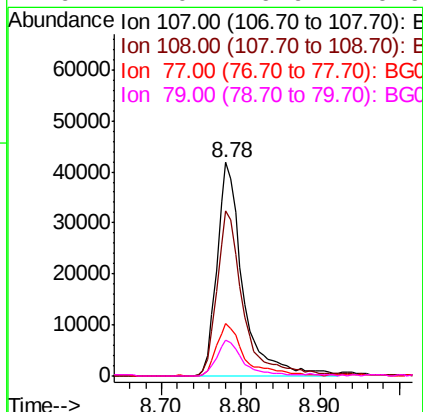
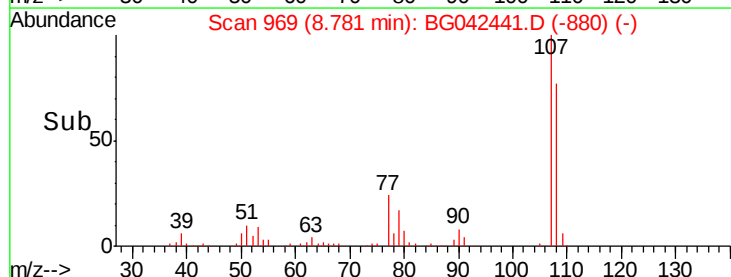
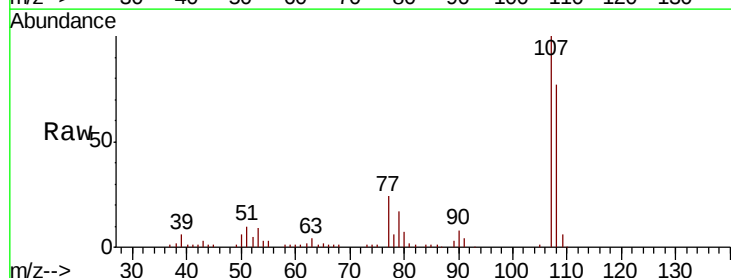
Instrument :
BNA_G
ClientSampleId :
CFVP-228L

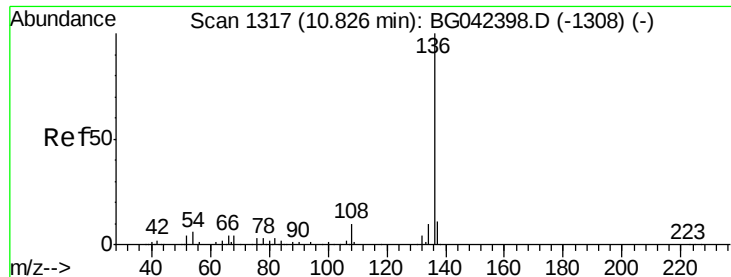
Tgt Ion: 70 Resp: 98660
Ion Ratio Lower Upper
70 100
42 37.5 38.8 58.2#
101 0.0 9.0 13.6#
130 2.8 20.0 30.0#



#20
3+4-Methylphenols
Concen: 10.256 ng
RT: 8.78 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

Tgt Ion: 107 Resp: 94712
Ion Ratio Lower Upper
107 100
108 77.3 68.7 108.7
77 24.4 10.2 50.2
79 17.0 6.9 46.9

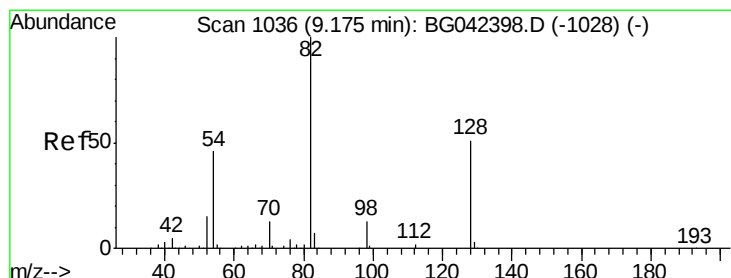
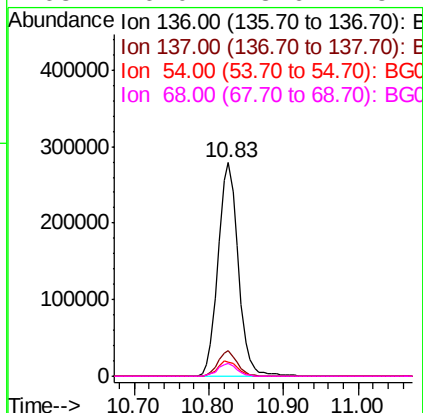
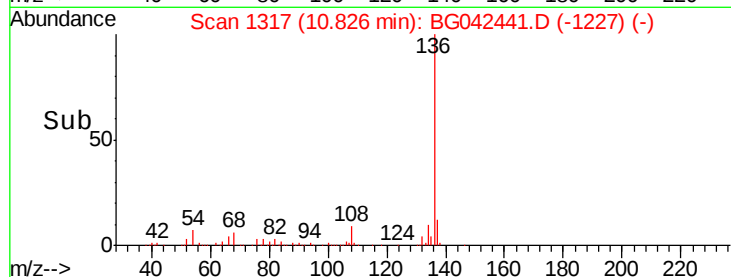
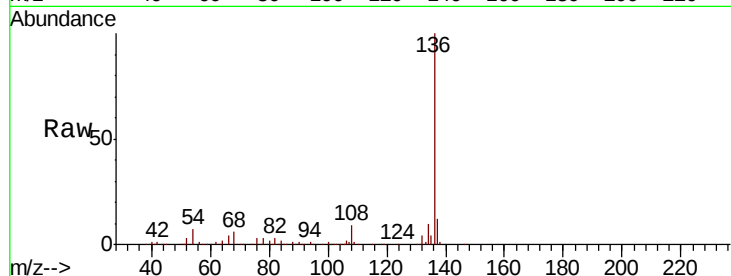




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

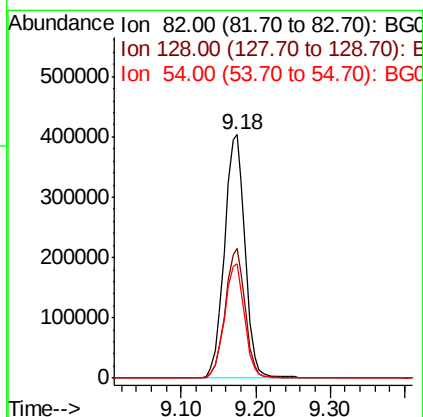
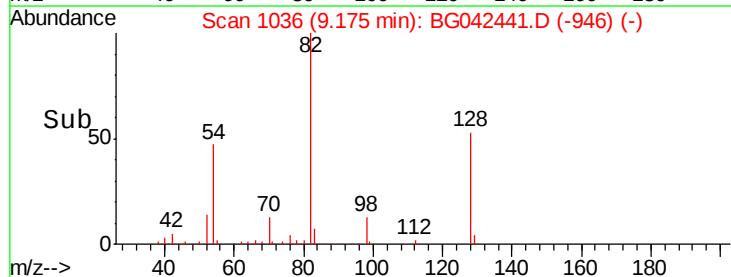
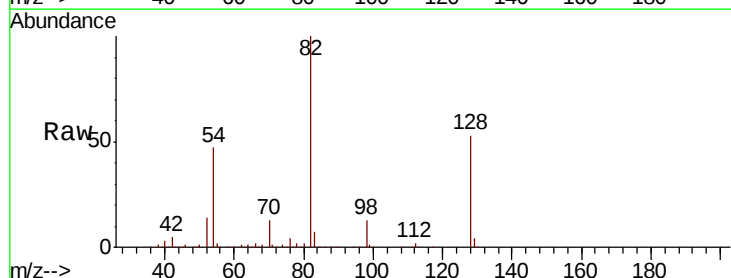
Instrument :
BNA_G
ClientSampleId :
CFVP-228L

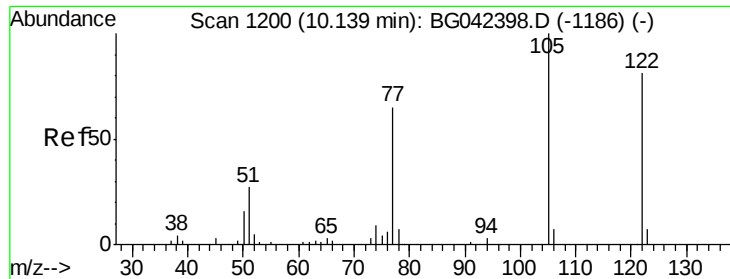
Tgt Ion:	136	Resp:	524580
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	6.9	4.9	7.3
68	6.0	3.6	5.4



#23
Nitrobenzene-d5
Concen: 102.367 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

Tgt Ion:	82	Resp:	777088
Ion	Ratio	Lower	Upper
82	100		
128	53.2	40.7	61.1
54	46.7	36.3	54.5

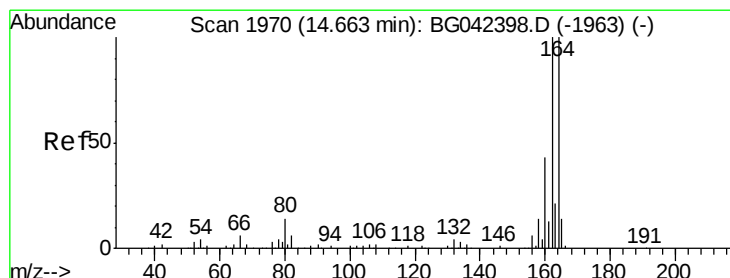
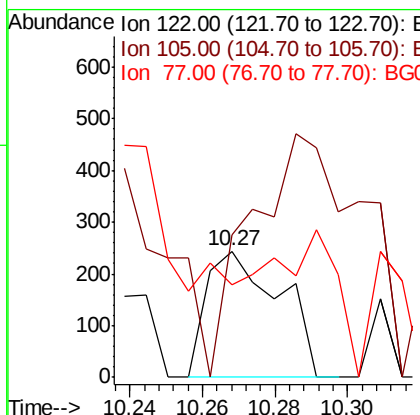
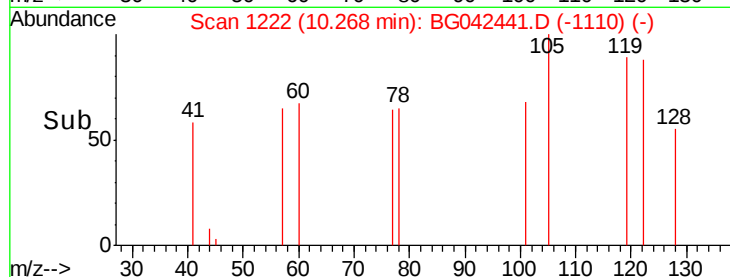
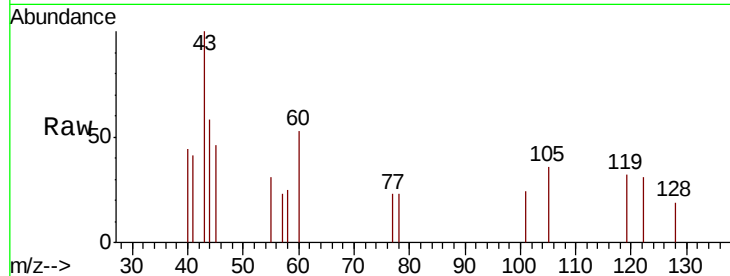




#32
Benzoic acid
Concen: 8.228 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.13 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

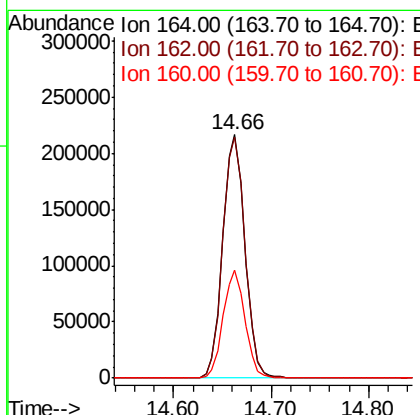
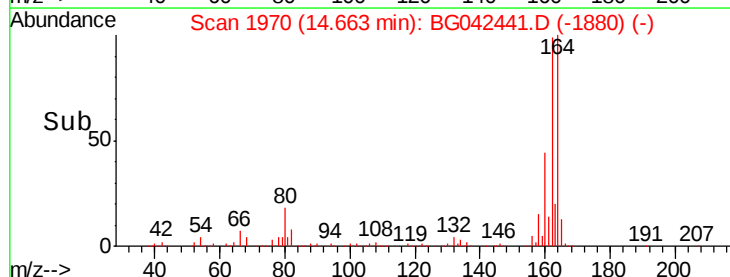
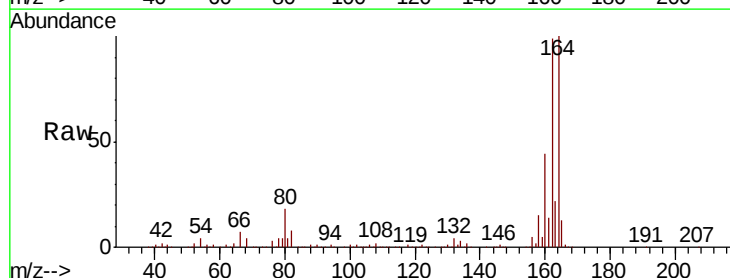
Instrument :
BNA_G
ClientSampleId :
CFVP-228L

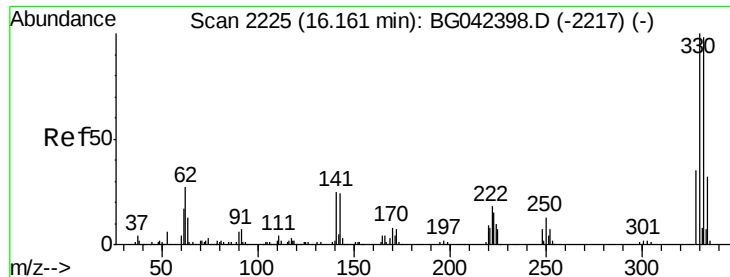
Tgt Ion:122 Resp: 341
Ion Ratio Lower Upper
122 100
105 113.1 99.6 139.6
77 73.0 59.5 99.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

Tgt Ion:164 Resp: 341064
Ion Ratio Lower Upper
164 100
162 98.9 79.9 119.9
160 44.3 34.3 51.5

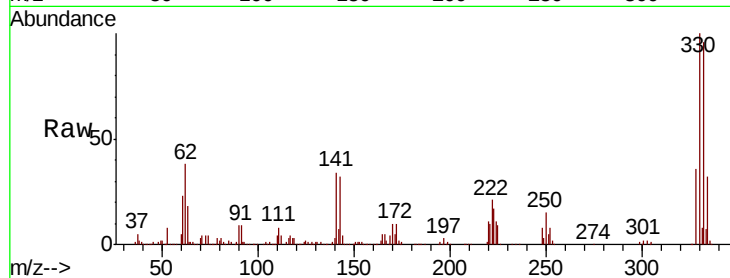




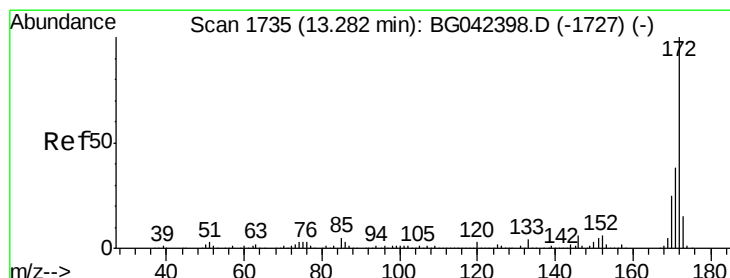
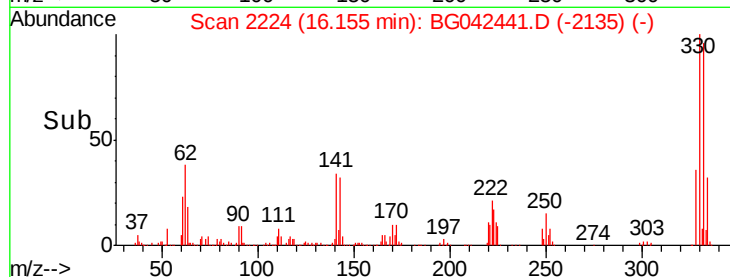
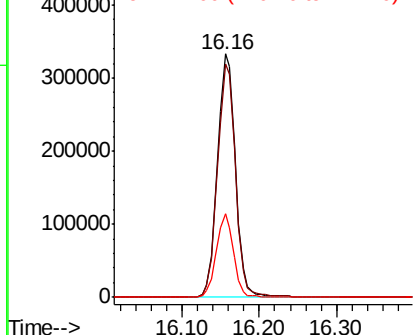
#42
 2,4,6-Tribromophenol
 Concen: 110.636 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042441.D
 Acq: 23 Aug 2019 20:04

Instrument :
 BNA_G
 ClientSampleId :
 CFVP-228L

Tgt Ion:330 Resp: 536326
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.0
 141 32.8 21.4 32.0#

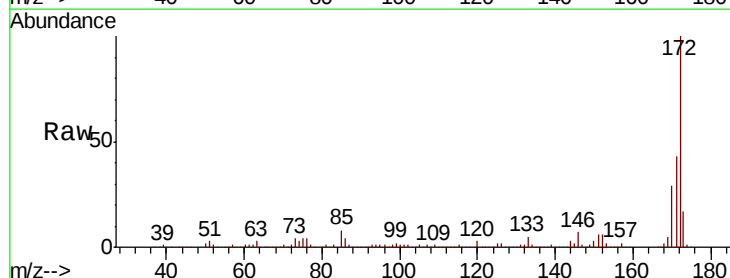


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

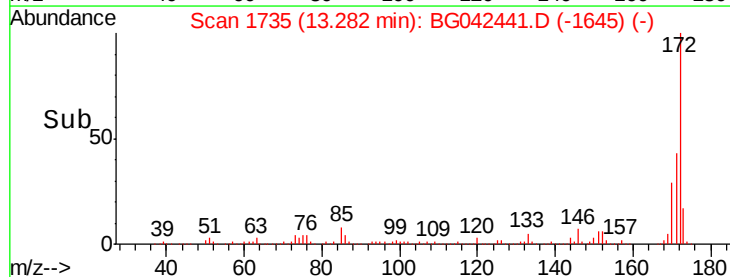
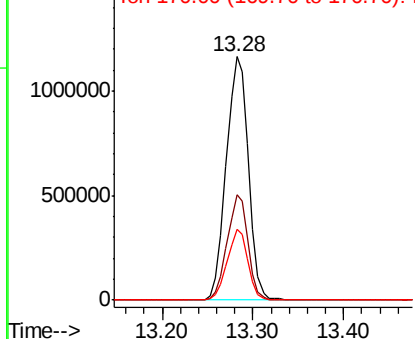


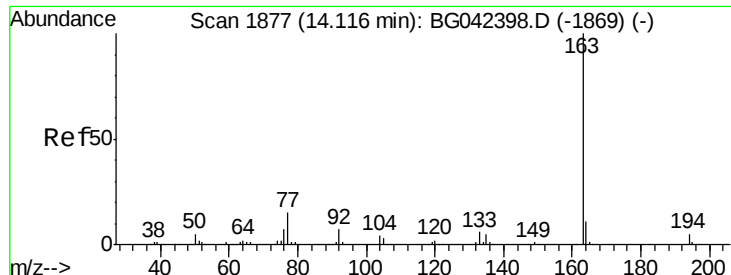
#45
 2-Fluorobiphenyl
 Concen: 97.575 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042441.D
 Acq: 23 Aug 2019 20:04

Tgt Ion:172 Resp: 1967696
 Ion Ratio Lower Upper
 172 100
 171 43.1 30.5 45.7
 170 29.0 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: 4.063 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

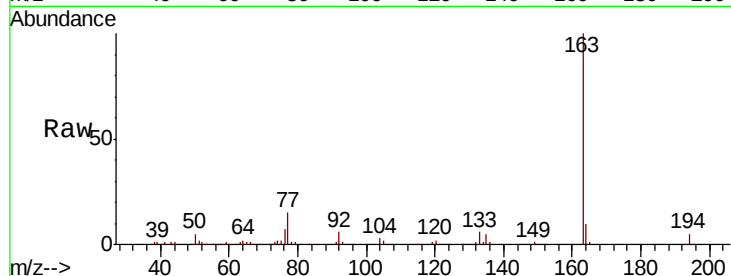
Tgt Ion:163 Resp: 99989

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.2

164 10.5 8.8 13.2

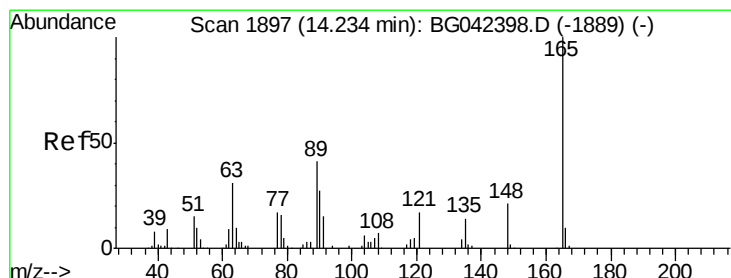
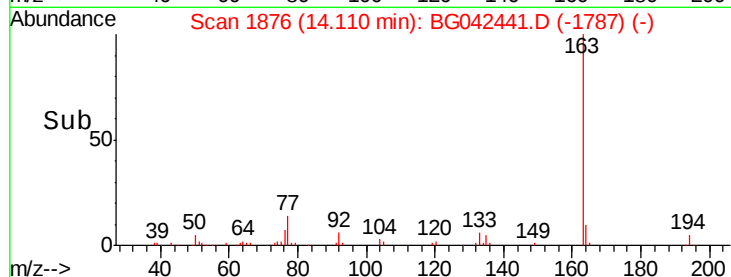
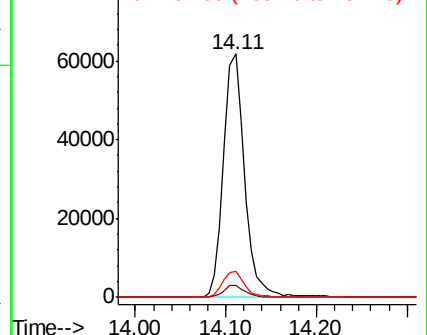


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 7.865 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

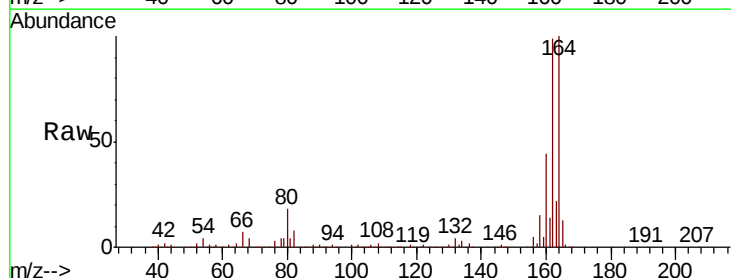
Tgt Ion:165 Resp: 44866

Ion Ratio Lower Upper

165 100

63 1.1 30.6 45.8#

89 1.1 32.6 49.0#

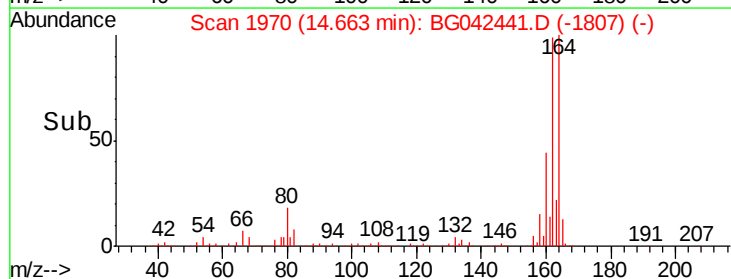
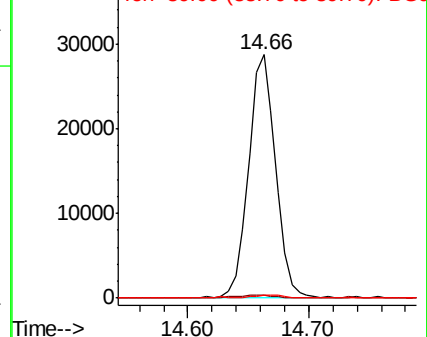


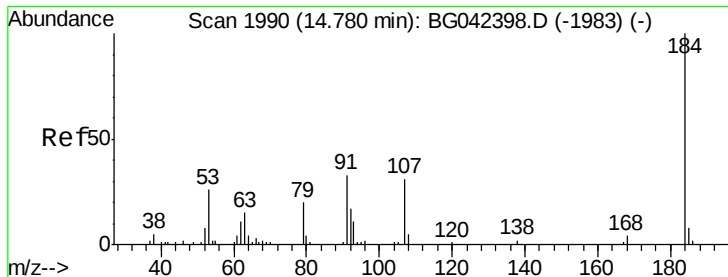
Abundance

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

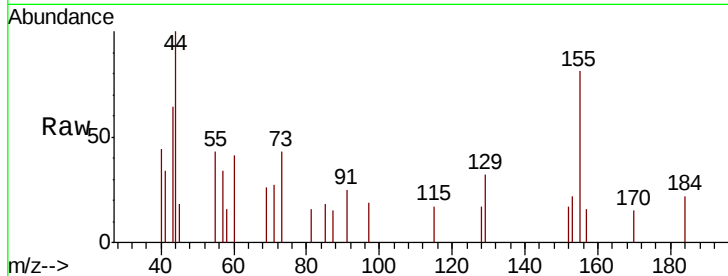




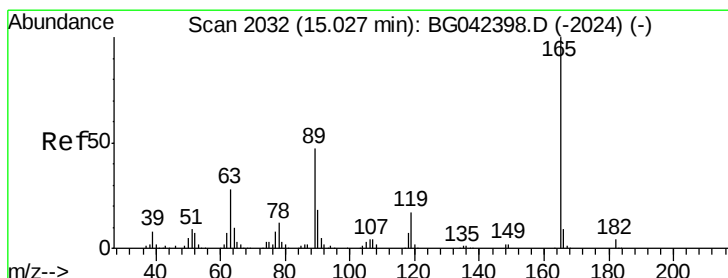
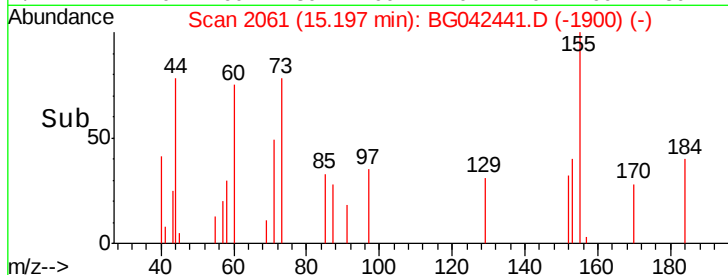
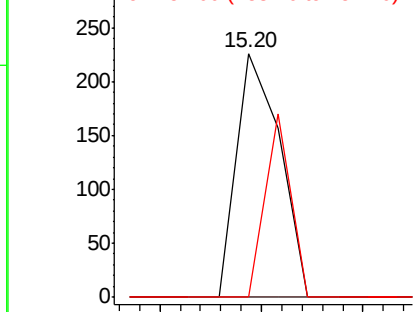
#54
 2,4-Dinitrophenol
 Concen: 6.294 ng
 RT: 15.20 min Scan# 2061
 Delta R.T. 0.42 min
 Lab File: BG042441.D
 Acq: 23 Aug 2019 20:04

Instrument :
 BNA_G
 ClientSampleId :
 CFVP-228L

Tgt Ion:184 Resp: 135
 Ion Ratio Lower Upper
 184 100
 63 0.0 31.7 47.5#
 154 0.0 42.0 63.0#

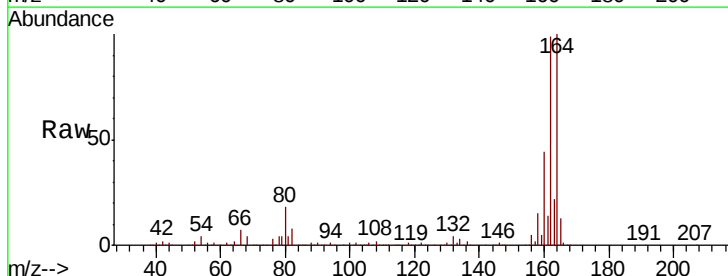


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

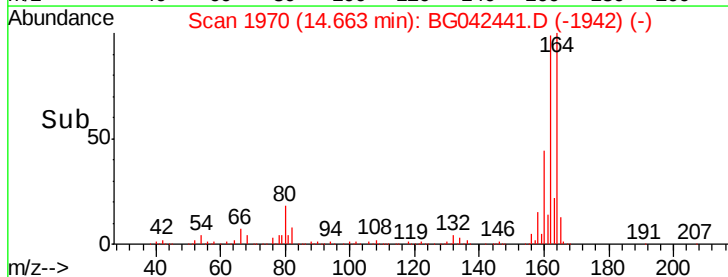
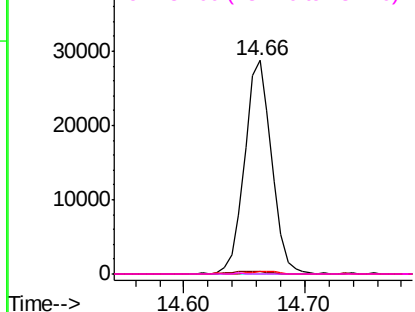


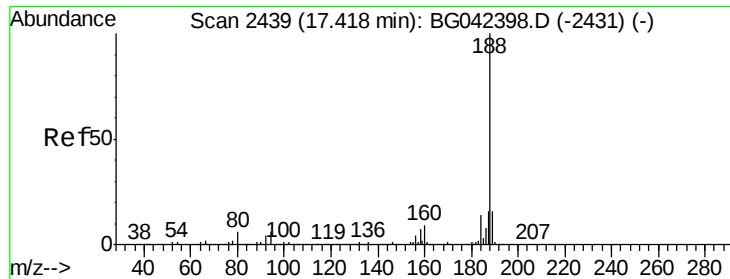
#57
 2,4-Dinitrotoluene
 Concen: 5.493 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042441.D
 Acq: 23 Aug 2019 20:04

Tgt Ion:165 Resp: 44866
 Ion Ratio Lower Upper
 165 100
 63 1.1 22.5 33.7#
 89 1.1 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 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: BG042441.D

Acq: 23 Aug 2019 20:04

Instrument :

BNA_G

ClientSampled :

CFVP-228L

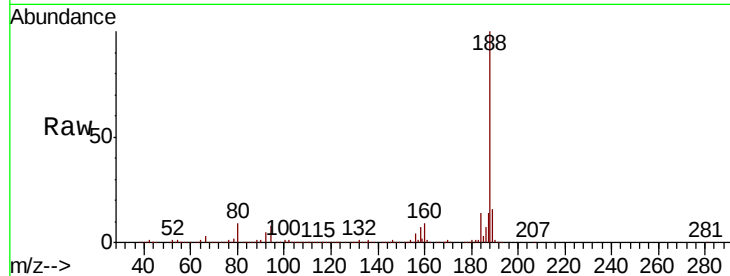
Tgt Ion:188 Resp: 655097

Ion Ratio Lower Upper

188 100

94 8.4 4.5 6.7#

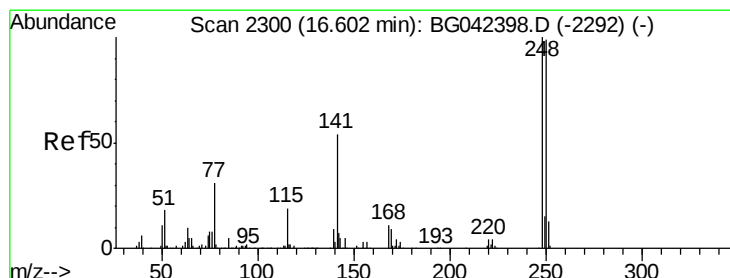
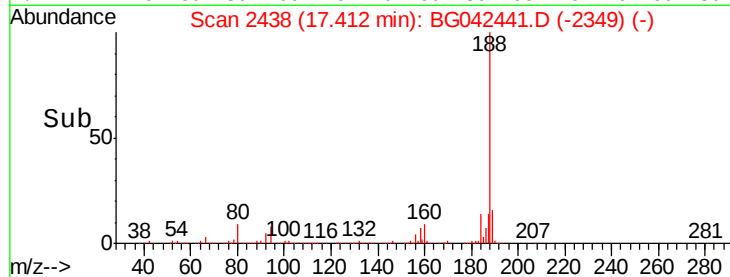
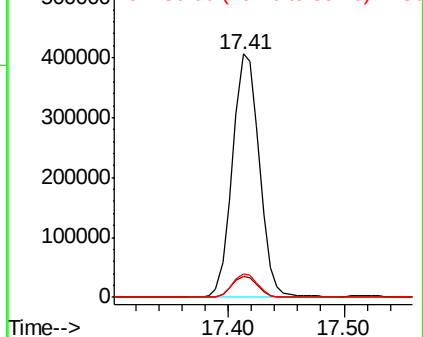
80 9.4 4.9 7.3#



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: 4.922 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

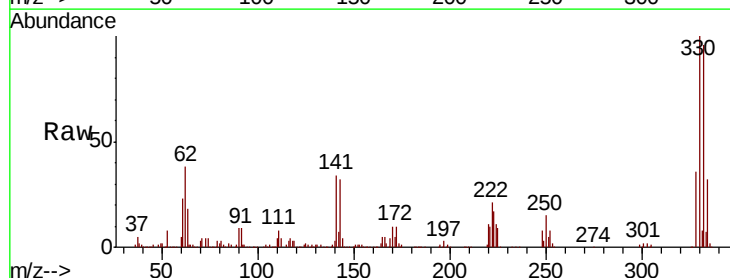
Tgt Ion:248 Resp: 40902

Ion Ratio Lower Upper

248 100

250 189.8 78.9 118.3#

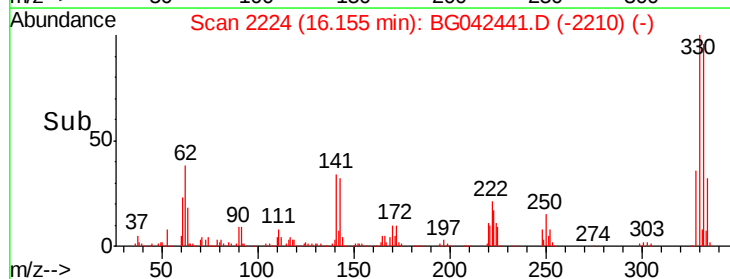
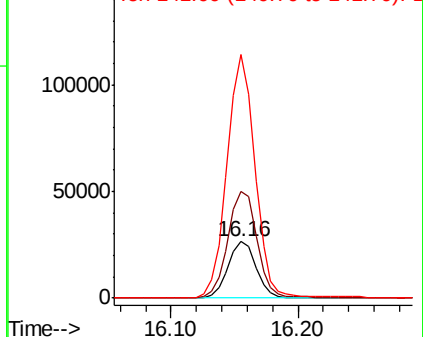
141 431.2 43.3 64.9#

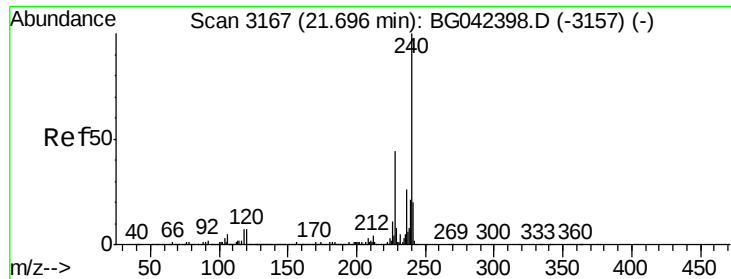


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

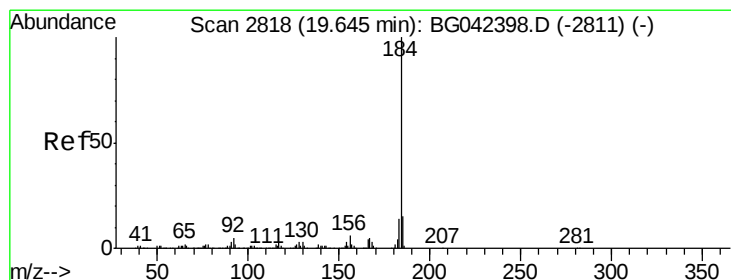
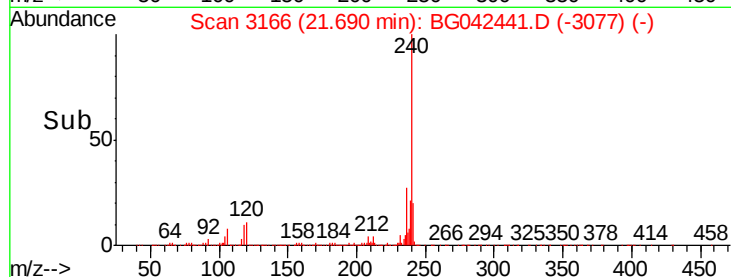
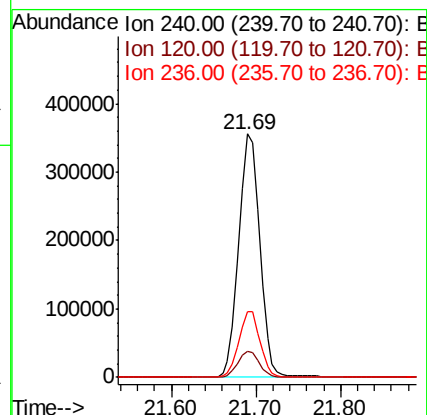
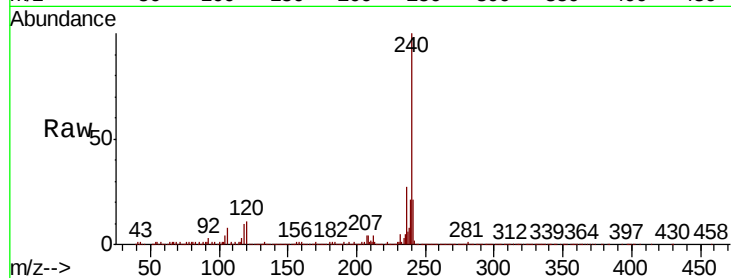




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

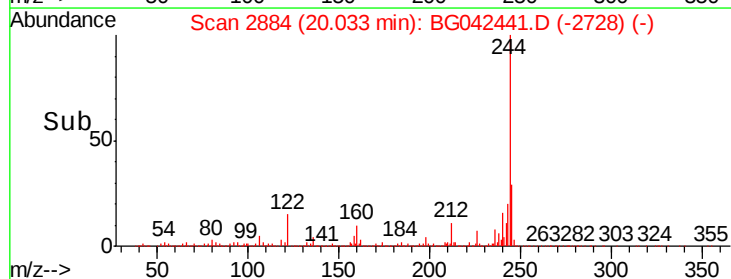
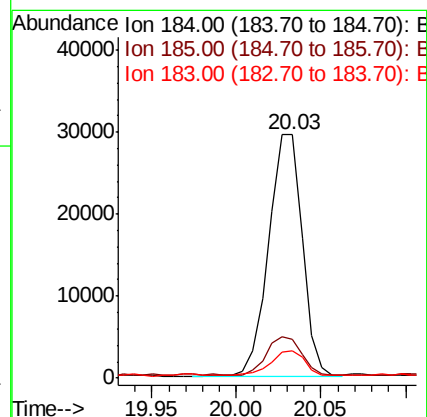
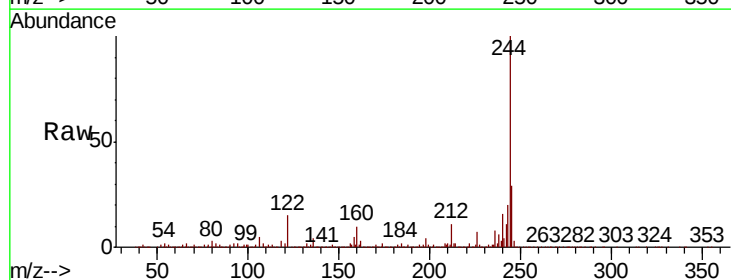
Instrument :
BNA_G
ClientSampleId :
CFVP-228L

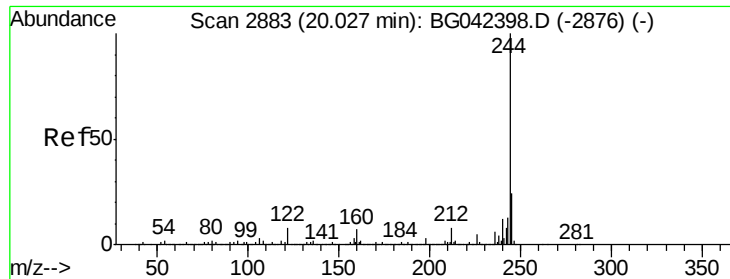
Tgt Ion:240 Resp: 610686
Ion Ratio Lower Upper
240 100
120 10.8 5.7 8.5#
236 27.2 21.0 31.4



#77
Benzidine
Concen: 2.327 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.39 min
Lab File: BG042441.D
Acq: 23 Aug 2019 20:04

Tgt Ion:184 Resp: 40736
Ion Ratio Lower Upper
184 100
185 16.1 12.2 18.4
183 11.3 10.8 16.2





#79

Terphenyl-d14

Concen: 84.717 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

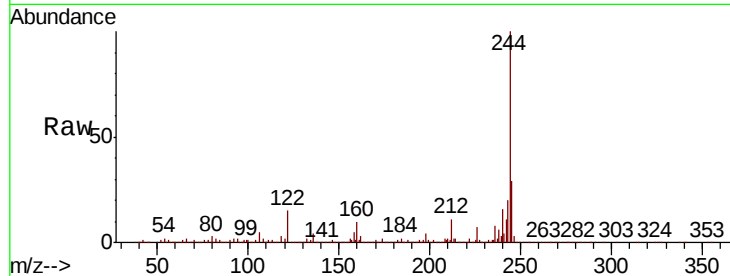
Tgt Ion:244 Resp: 2393022

Ion Ratio Lower Upper

244 100

212 10.6 6.0 9.0#

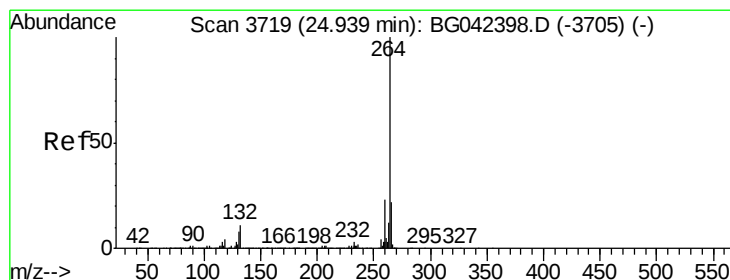
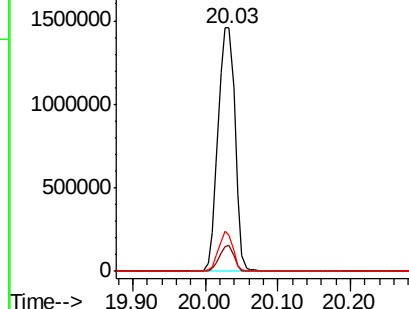
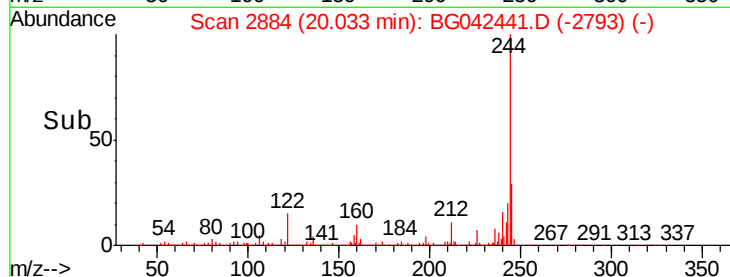
122 14.9 6.7 10.1#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BG042441.D

Acq: 23 Aug 2019 20:04

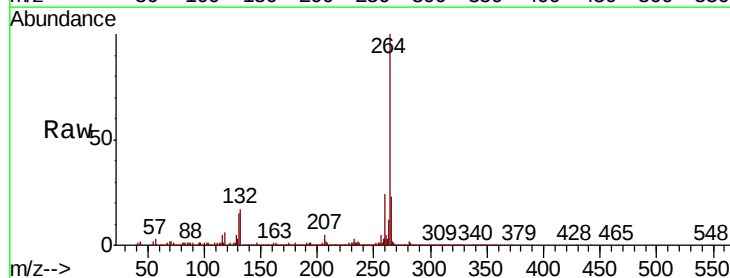
Tgt Ion:264 Resp: 721547

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.6 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

