

Data File : BG043990.D
Acq On : 9 Jan 2020 7:08
Operator : JU
Sample : L1048-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-E

Quant Time: Jan 09 07:58:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

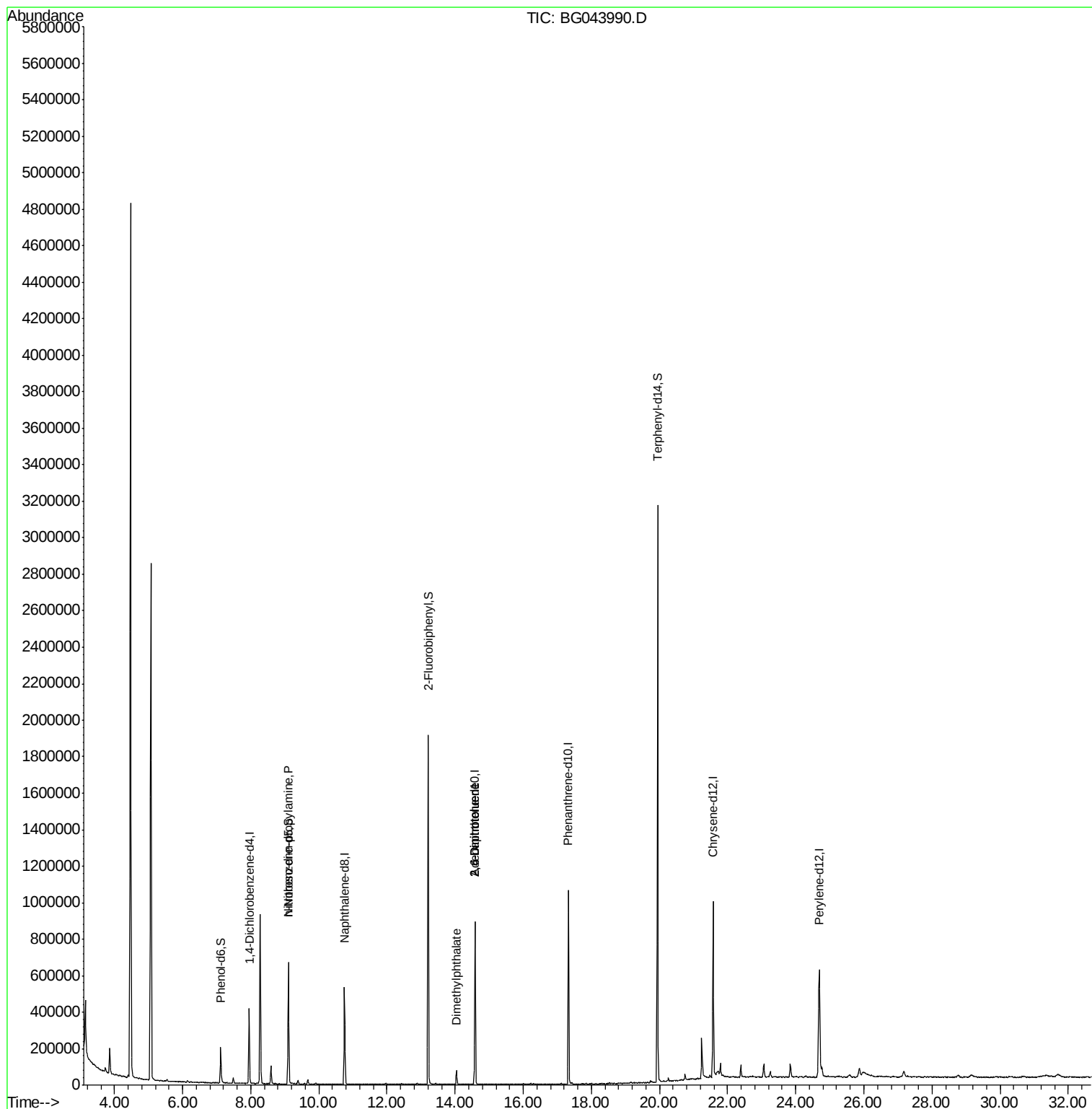
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	121795	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	486998	20.00	ng	-0.01
39) Acenaphthene-d10	14.58	164	312299	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	664664	20.00	ng	0.00
76) Chrysene-d12	21.57	240	568666	20.00	ng	-0.01
87) Perylene-d12	24.69	264	619285	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	5590	0.84	ng	0.00
7) Phenol-d6	7.12	99	132516	14.29	ng	0.00
23) Nitrobenzene-d5	9.10	82	440494	48.39	ng	-0.02
42) 2,4,6-Tribromophenol	16.08	330	153	0.05	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1021644	59.27	ng	-0.01
79) Terphenyl-d14	19.94	244	1501007	57.90	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	57596	8.341	ng	# 77
50) Dimethylphthalate	14.04	163	61651	2.780	ng	# 98
51) 2,6-Dinitrotoluene	14.58	165	40785	8.138	ng	# 27
57) 2,4-Dinitrotoluene	14.58	165	40785	5.980	ng	# 27

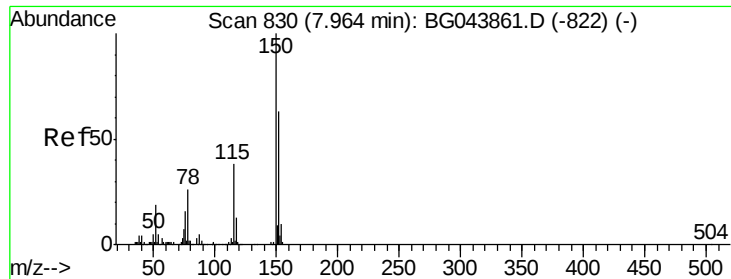
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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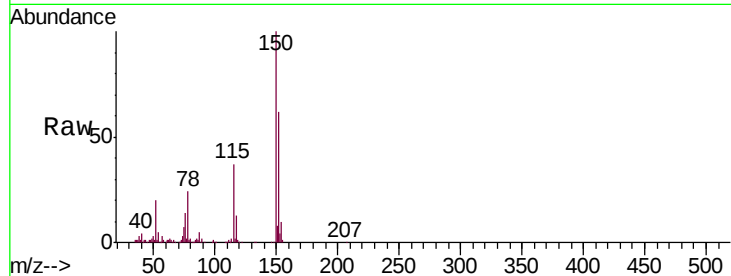


#1

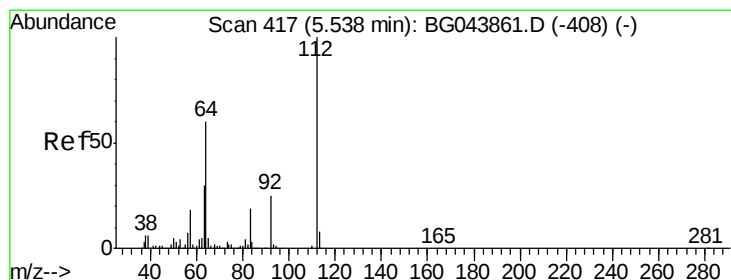
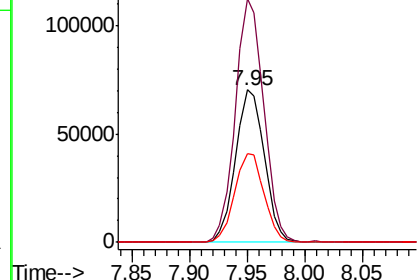
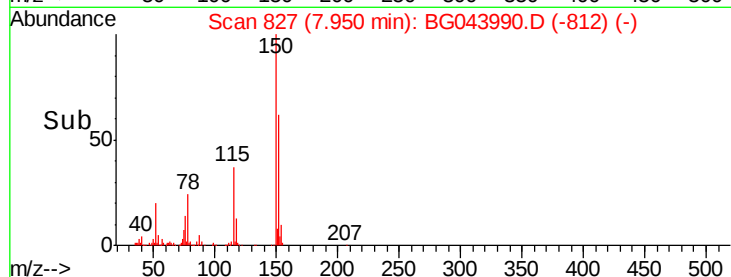
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-E

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	127.0	190.4
115	58.6	47.8	71.8



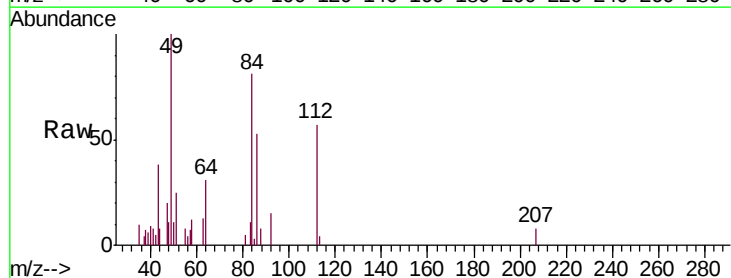
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



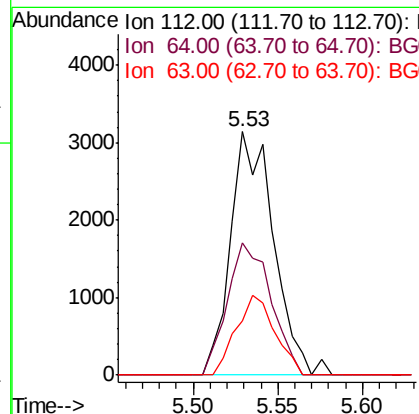
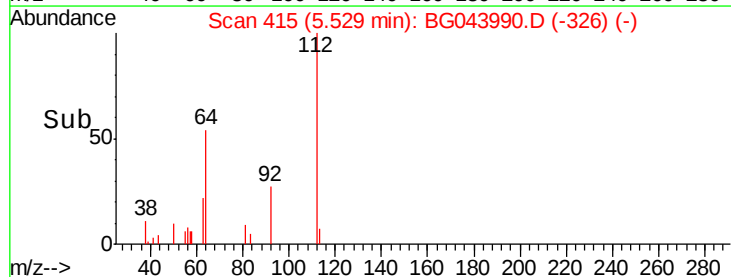
#5

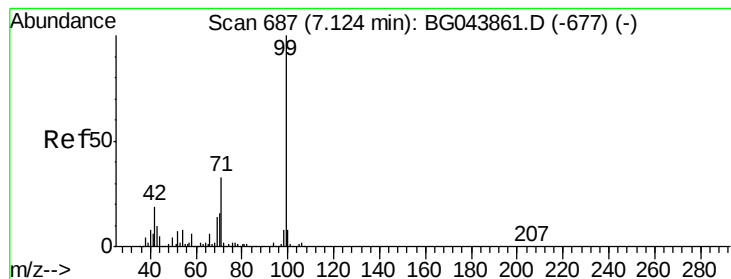
2-Fluorophenol
Concen: 0.843 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.8	71.6
63	22.3	24.3	36.5#



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: 14.292 ng

RT: 7.12 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-E

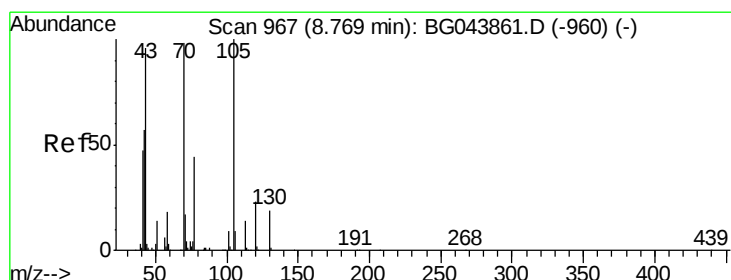
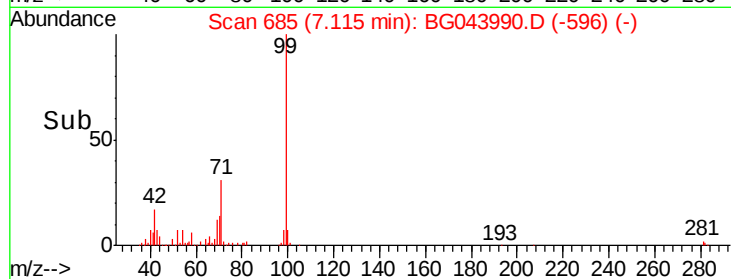
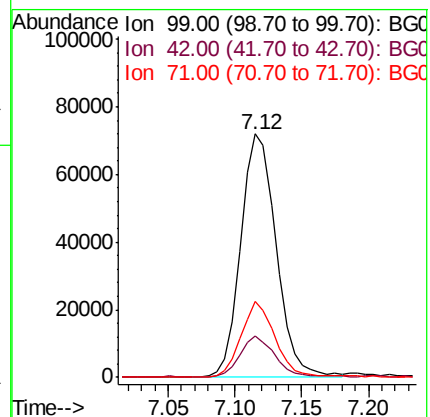
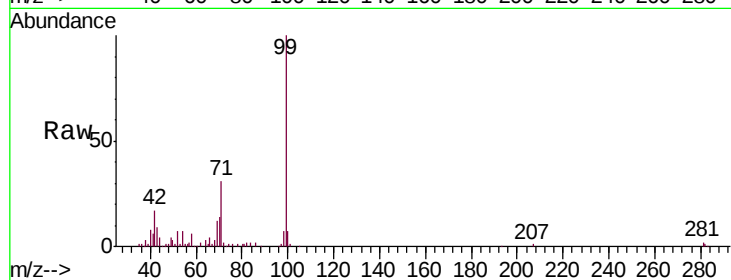
Tgt Ion: 99 Resp: 132516

Ion Ratio Lower Upper

99 100

42 17.3 14.9 22.3

71 31.3 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.341 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Tgt Ion: 70 Resp: 57596

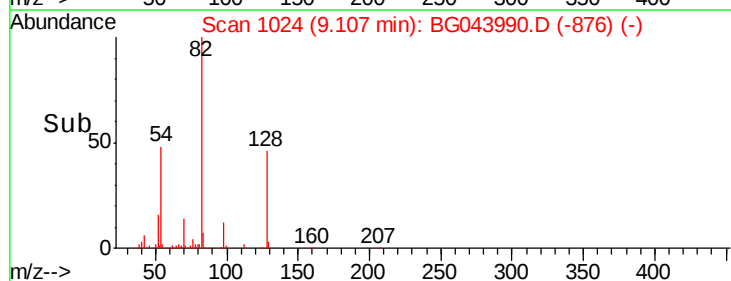
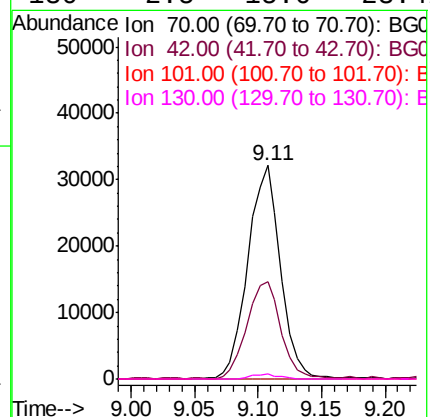
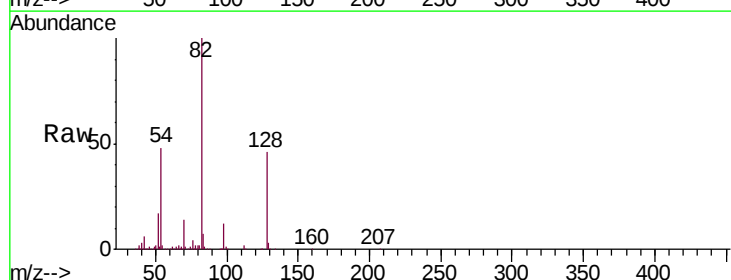
Ion Ratio Lower Upper

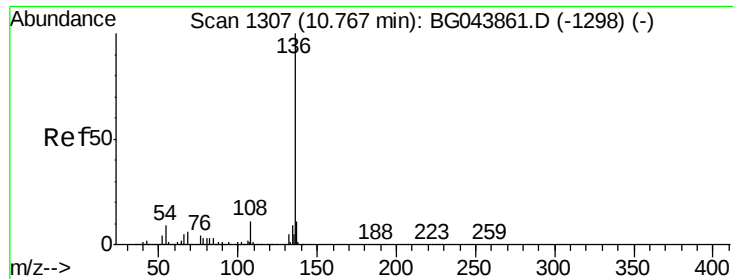
70 100

42 45.6 47.0 70.4#

101 0.0 7.2 10.8#

130 2.5 15.6 23.4#

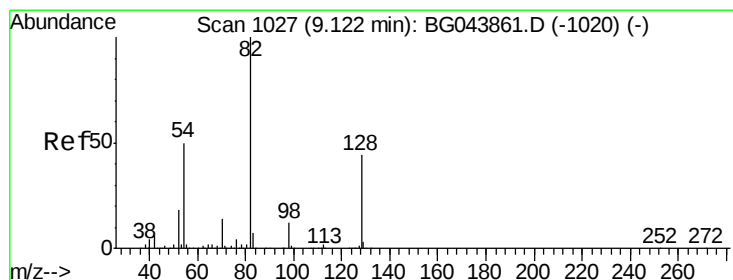
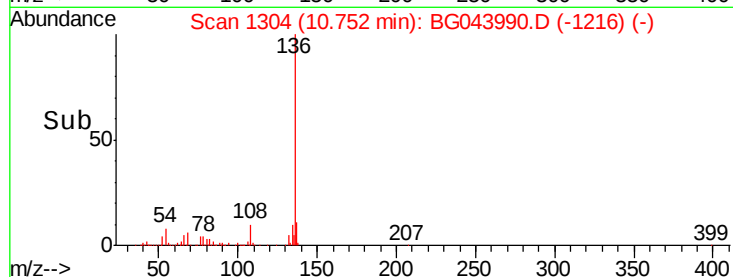
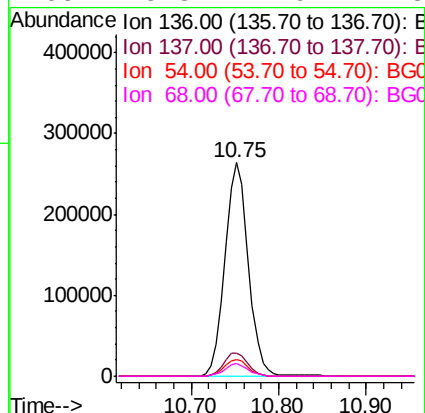
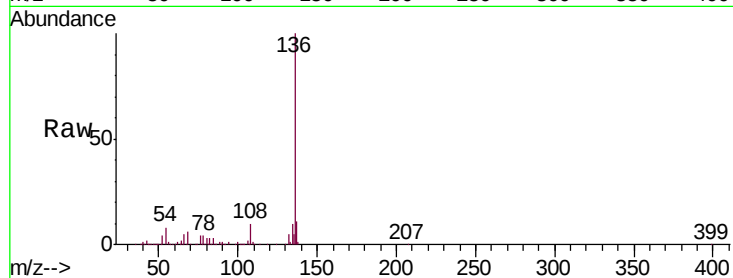




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

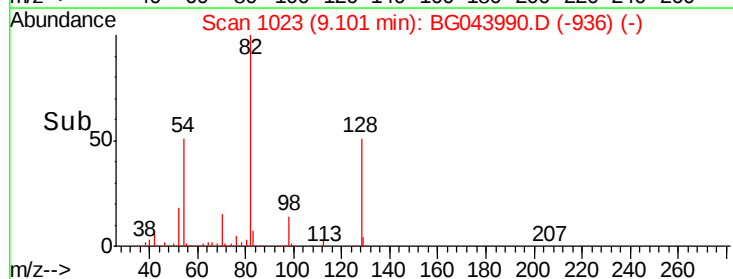
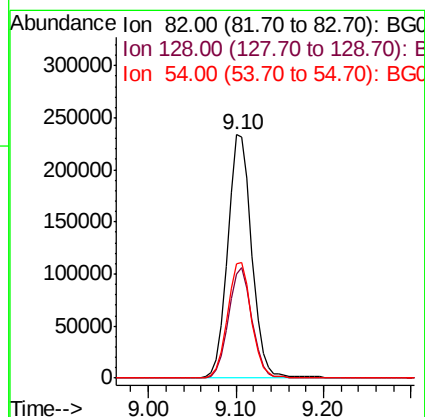
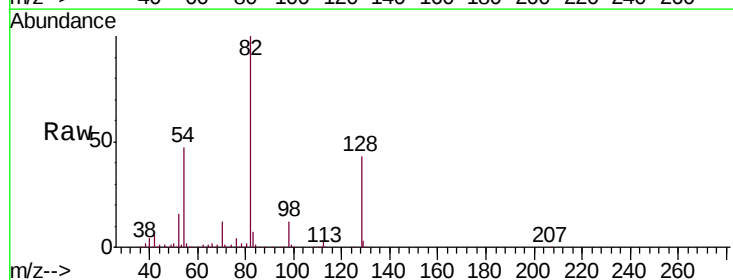
Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-E

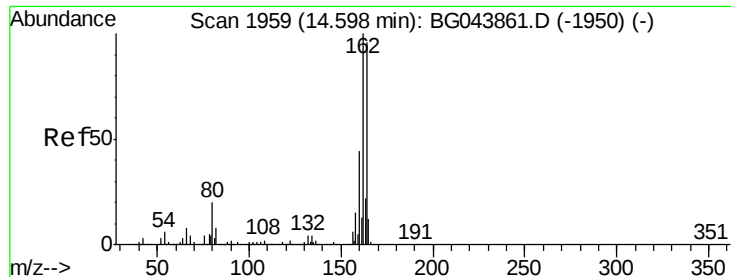
Tgt Ion:	136	Resp:	486998
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.5	7.0	10.4
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 48.387 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

Tgt Ion:	82	Resp:	440494
Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.1	52.7
54	47.2	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-E

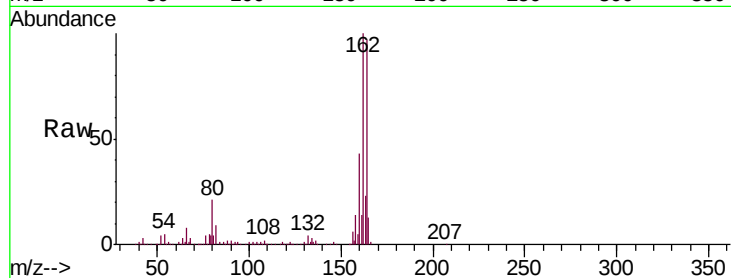
Tgt Ion:164 Resp: 312299

Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.4

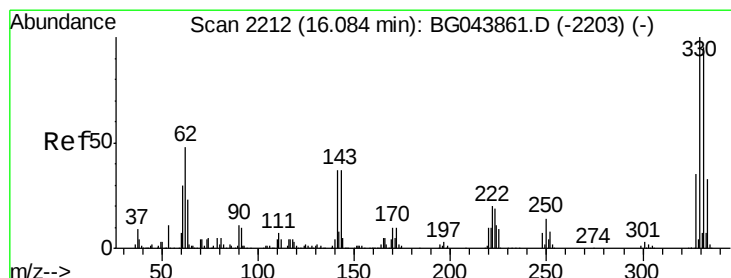
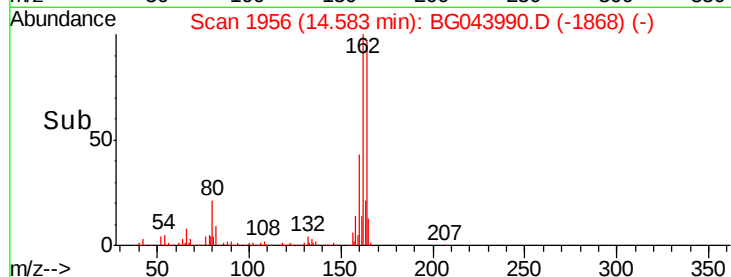
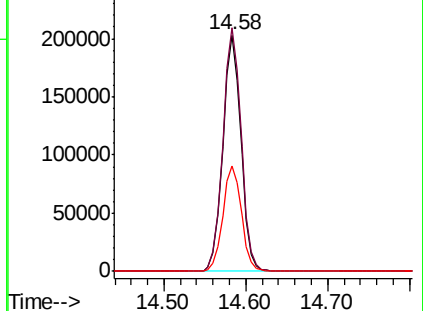
160 44.5 36.1 54.1



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: 0.047 ng

RT: 16.08 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

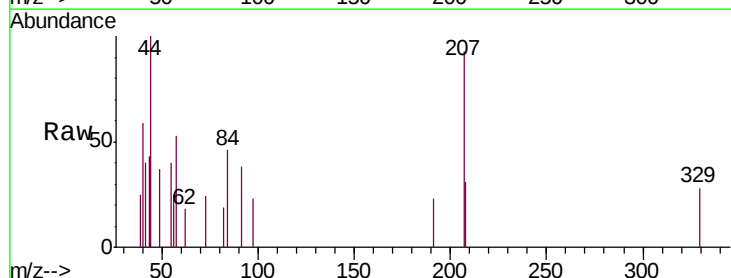
Tgt Ion:330 Resp: 153

Ion Ratio Lower Upper

330 100

332 90.8 77.2 115.8

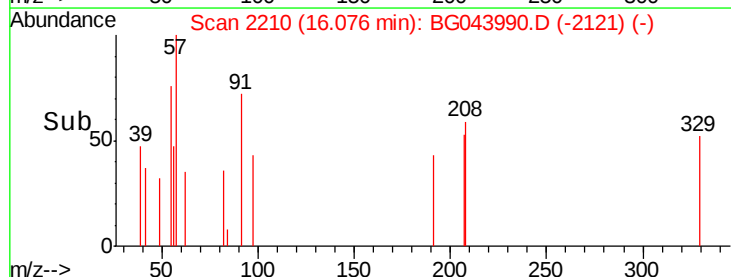
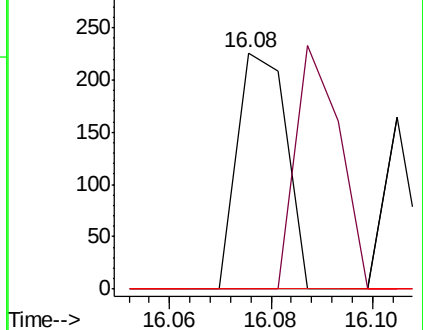
141 0.0 33.1 49.7#



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

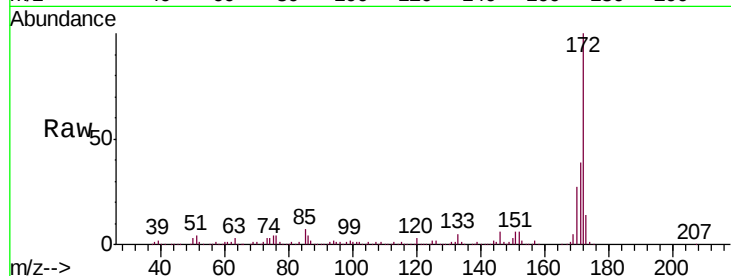




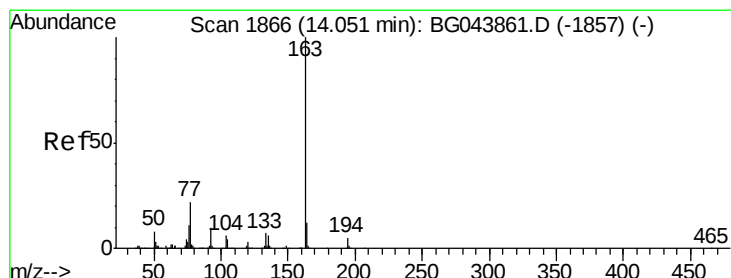
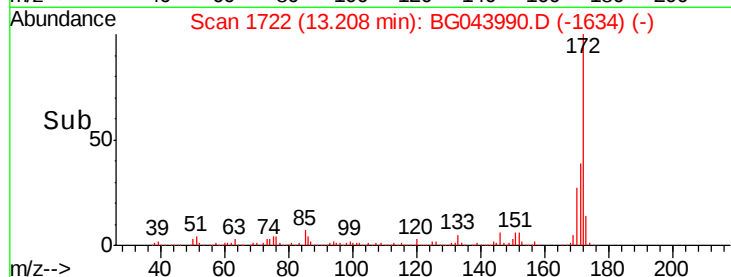
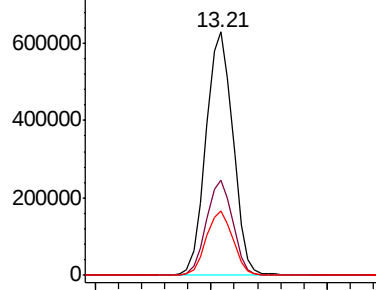
#45
2-Fluorobiphenyl
Concen: 59.270 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.01 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-E

Tgt Ion:172 Resp: 1021644
Ion Ratio Lower Upper
172 100
171 38.8 35.8 53.8
170 26.6 24.2 36.4

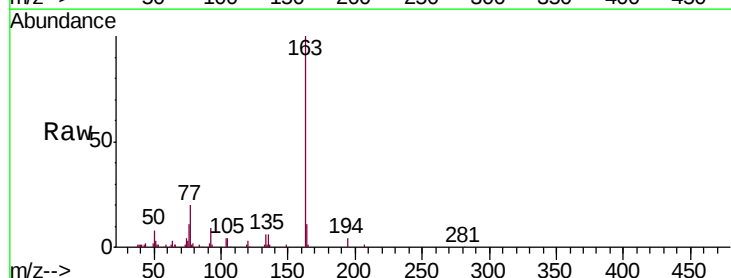


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

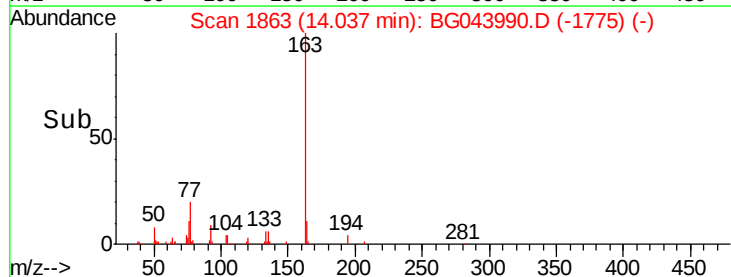
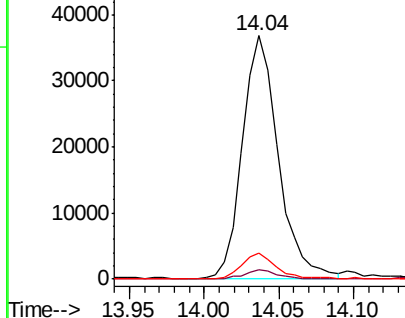


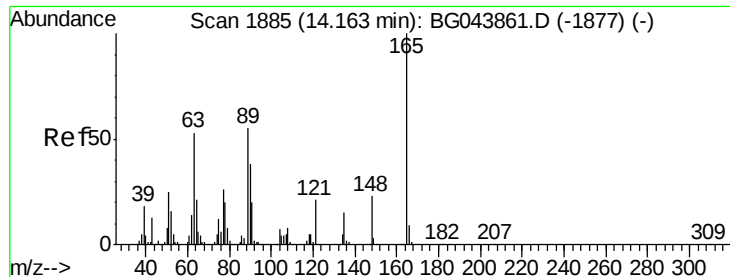
#50
Dimethylphthalate
Concen: 2.780 ng
RT: 14.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BG043990.D
Acq: 9 Jan 2020 7:08

Tgt Ion:163 Resp: 61651
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 10.6 9.3 13.9



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

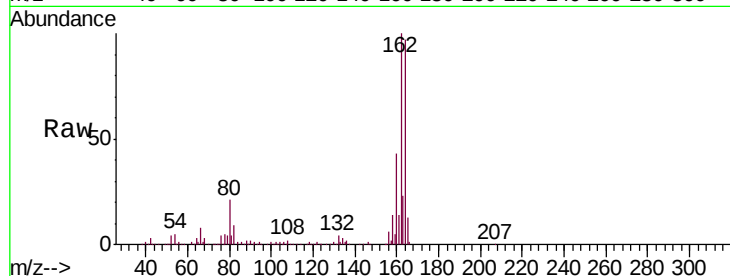




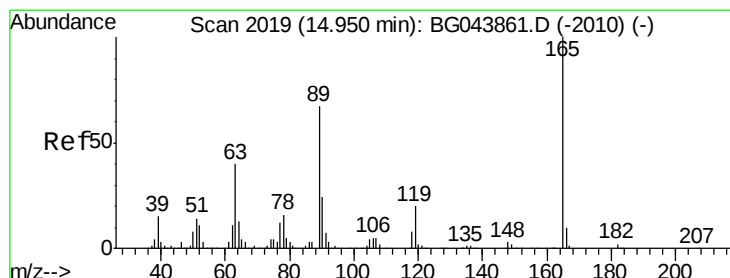
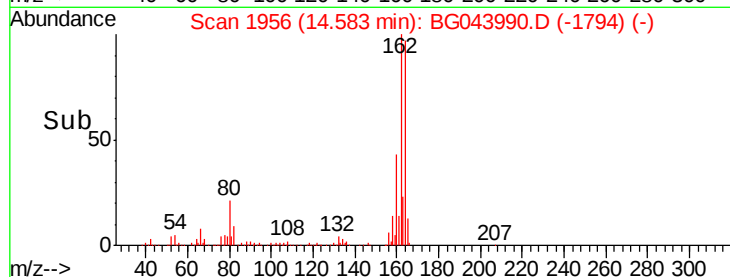
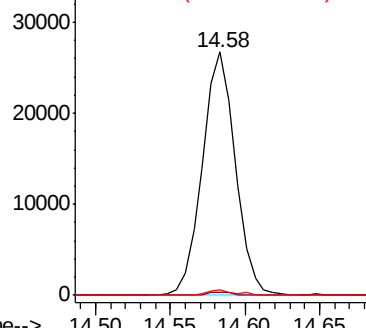
#51
 2,6-Dinitrotoluene
 Concen: 8.138 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. 0.42 min
 Lab File: BG043990.D
 Acq: 9 Jan 2020 7:08

Instrument :
 BNA_G
 ClientSampleId :
 FRONT-PIER-E

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	2.2	43.8	65.6#

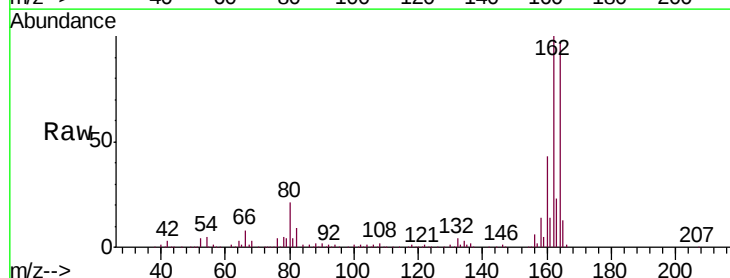


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

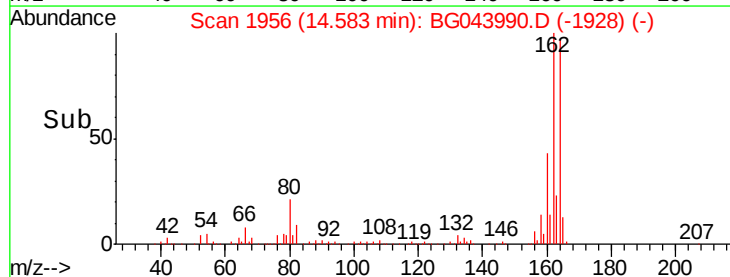
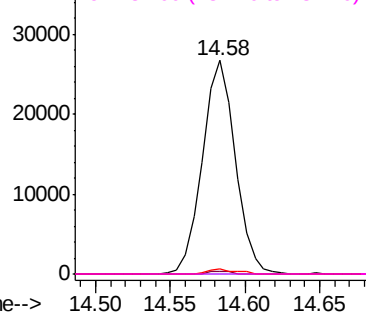


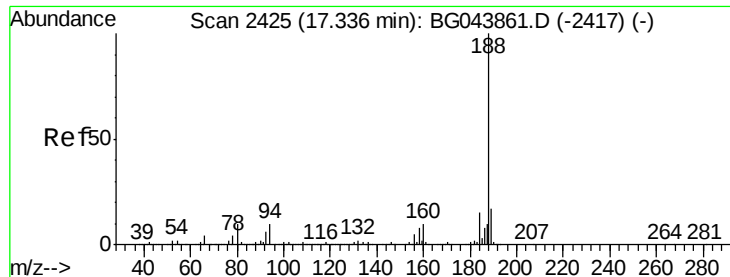
#57
 2,4-Dinitrotoluene
 Concen: 5.980 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG043990.D
 Acq: 9 Jan 2020 7:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	2.2	53.8	80.6#
182	0.0	2.0	3.0#



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: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-E

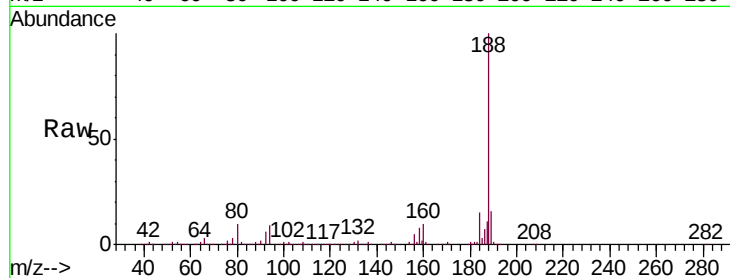
Tgt Ion:188 Resp: 664664

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

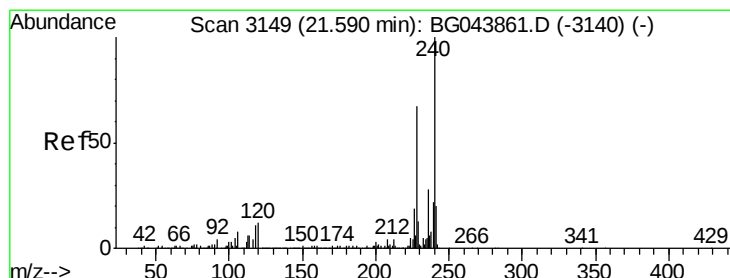
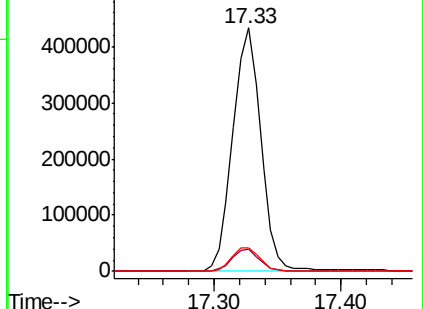
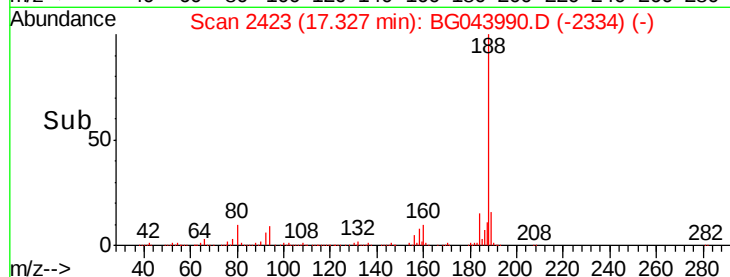
80 9.9 8.2 12.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

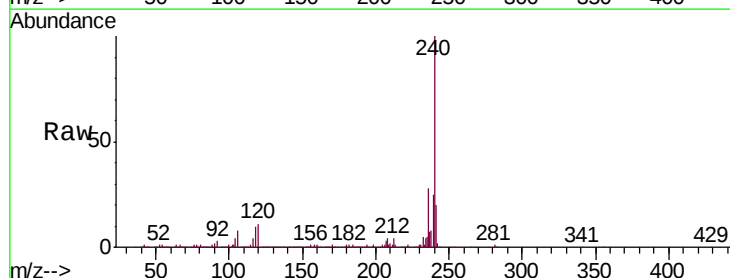
Tgt Ion:240 Resp: 568666

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

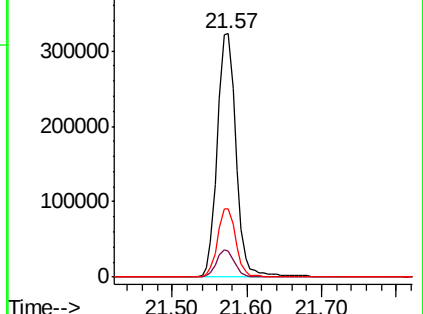
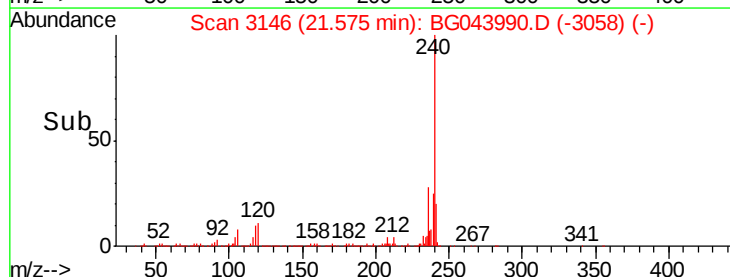
236 28.0 22.2 33.2

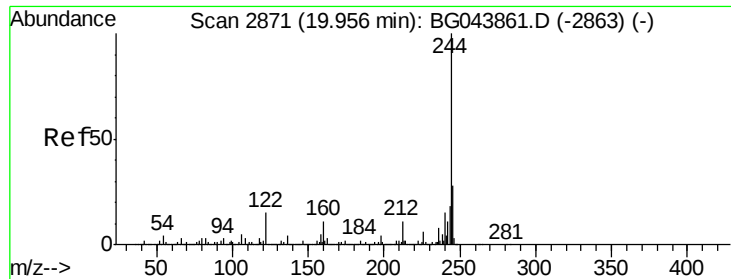


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 57.896 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-E

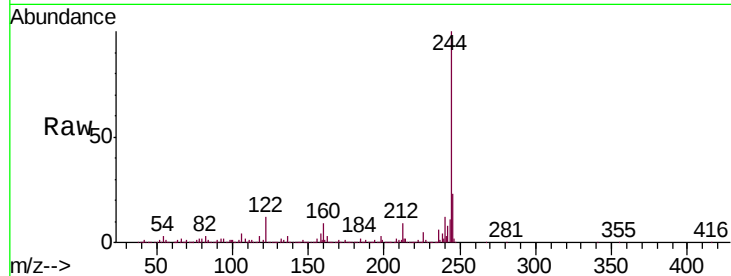
Tgt Ion:244 Resp: 1501007

Ion Ratio Lower Upper

244 100

212 8.8 8.6 13.0

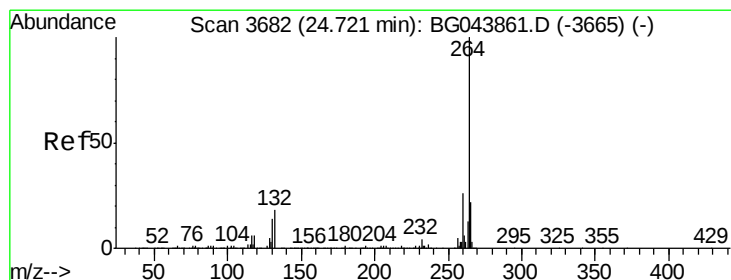
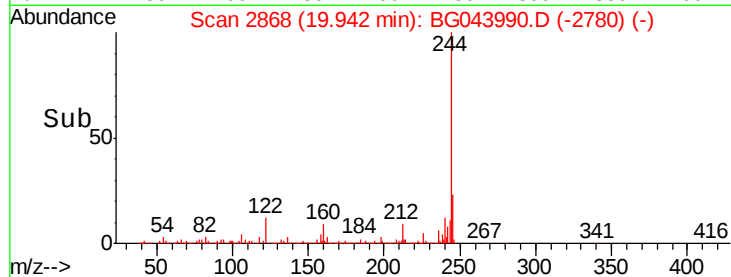
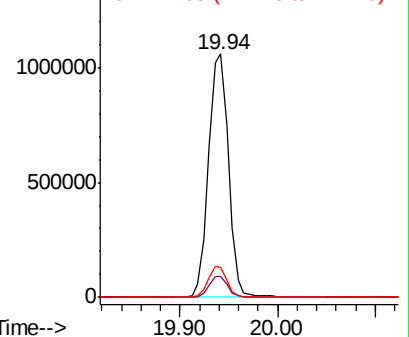
122 12.0 11.9 17.9



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: 24.69 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

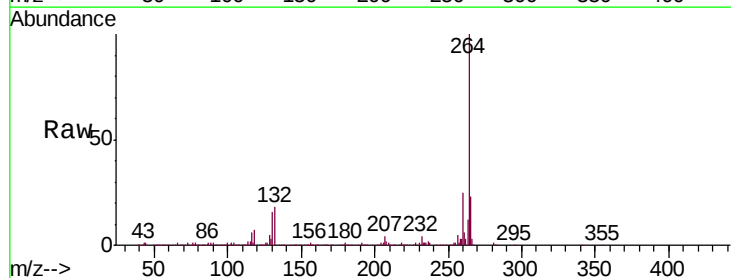
Tgt Ion:264 Resp: 619285

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 23.3 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

