

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062420\
 Data File : BG045847.D
 Acq On : 24 Jun 2020 16:34
 Operator : CG/JU
 Sample : PB129750BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129750BL

Quant Time: Jun 24 18:43:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

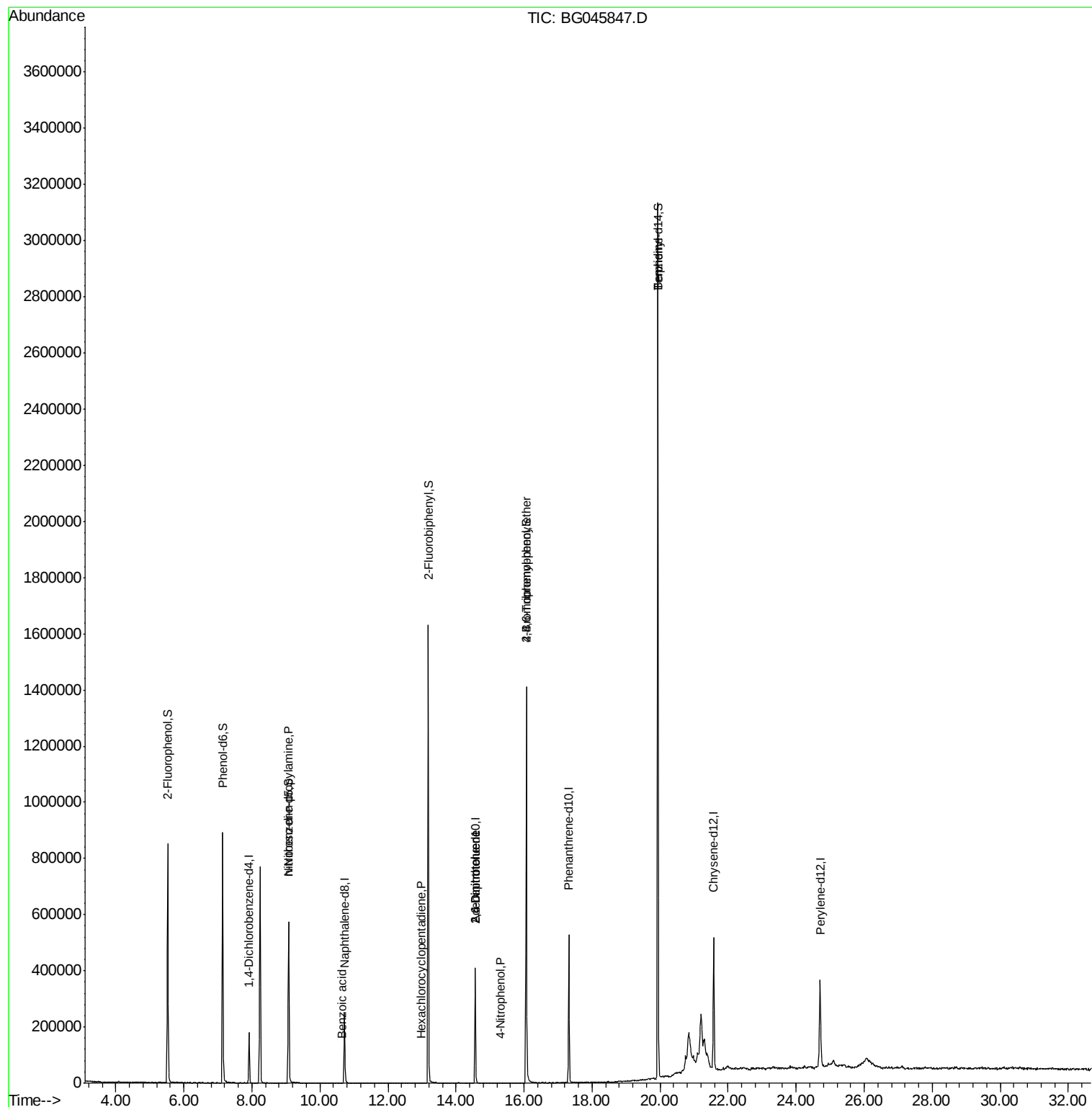
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	54932	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	220895	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	156401	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	363329	20.00	ng	0.00
76) Chrysene-d12	21.58	240	321320	20.00	ng	0.00
86) Perylene-d12	24.70	264	345853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	407943	125.45	ng	-0.02
7) Phenol-d6	7.14	99	588804	119.04	ng	-0.03
23) Nitrobenzene-d5	9.08	82	407601	84.30	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	299123	126.68	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	923617	86.78	ng	0.00
79) Terphenyl-d14	19.93	244	1553355	97.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	55881	17.184	ng	# 80
32) Benzoic acid	10.64	122	90	9.012	ng	# 1
41) Hexachlorocyclopentadiene	12.98	237	59	8.438	ng	# 27
51) 2,6-Dinitrotoluene	14.57	165	20646	7.502	ng	# 24
56) 4-Nitrophenol	15.33	139	54	3.999	ng	# 1
57) 2,4-Dinitrotoluene	14.57	165	20646	5.236	ng	# 23
67) 4-Bromophenyl-phenylether	16.07	248	20568	4.357	ng	# 1
77) Benzidine	19.93	184	28654	3.430	ng	# 83

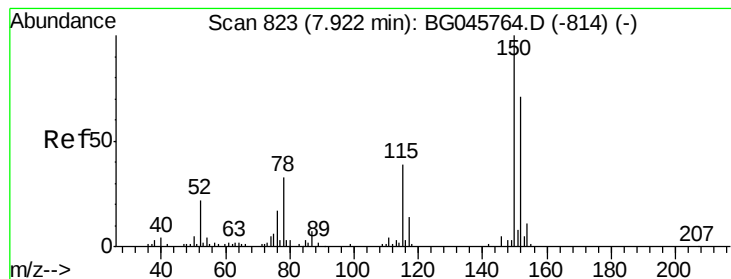
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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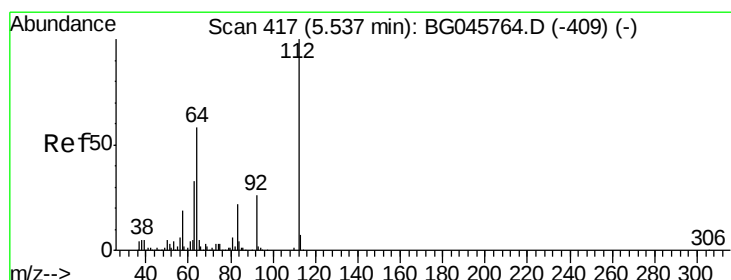
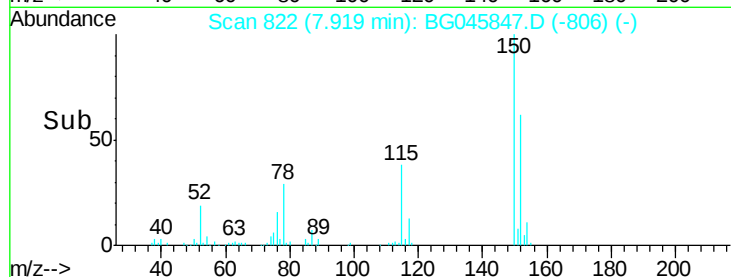
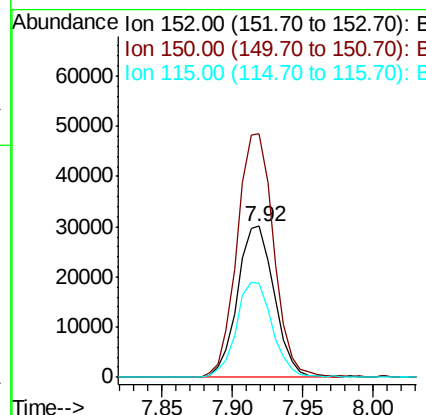
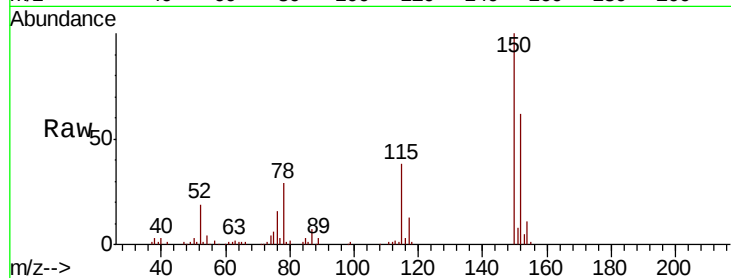


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Instrument :
BNA_G
ClientSampleId :
PB129750BL

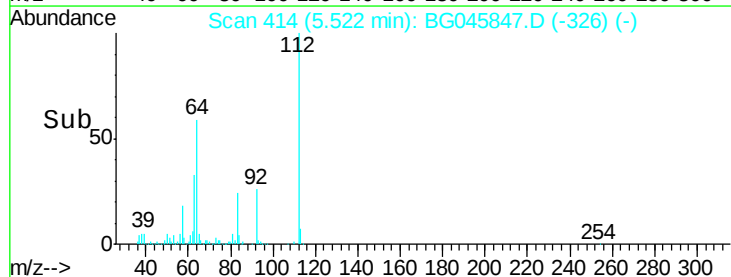
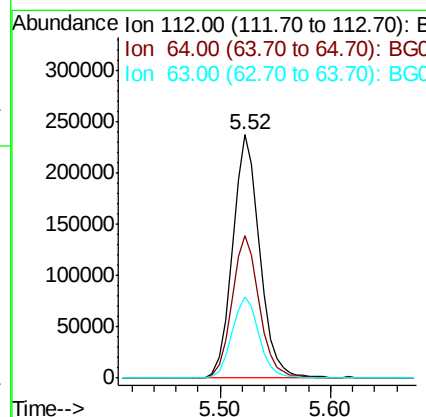
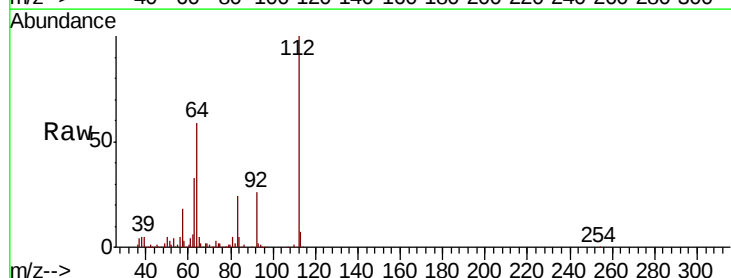
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	113.1	169.7
115	61.9	43.8	65.6

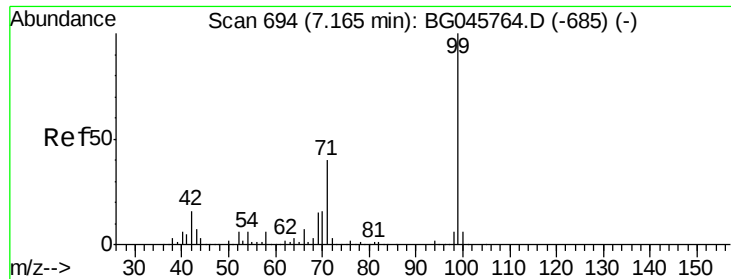


#5

2-Fluorophenol
Concen: 125.448 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.6	69.8
63	33.2	26.3	39.5





#7

Phenol-d6

Concen: 119.037 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.03 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB129750BL

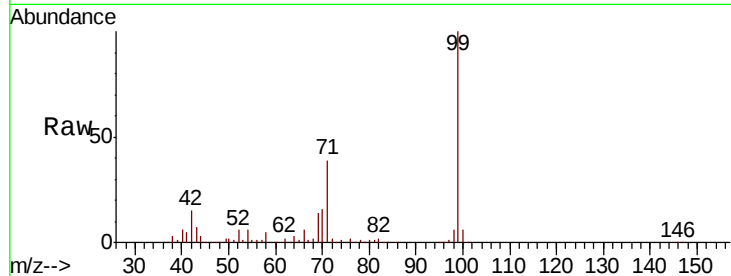
Tot Ion: 99 Resp: 588804

Ion Ratio Lower Upper

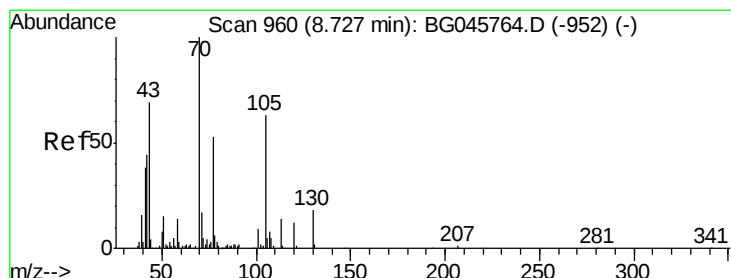
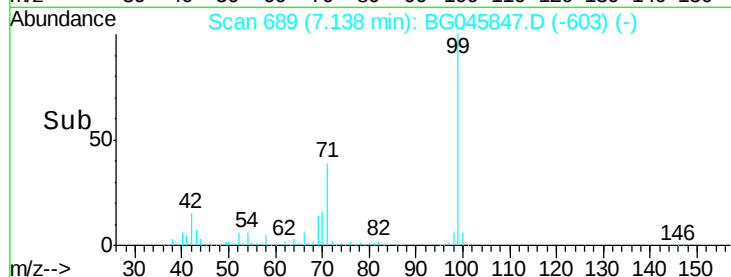
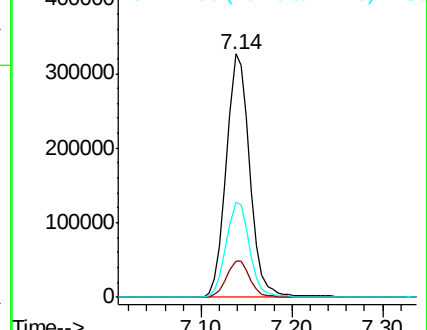
99 100

42 15.0 12.4 18.6

71 39.1 32.1 48.1



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: 17.184 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

Tgt Ion: 70 Resp: 55881

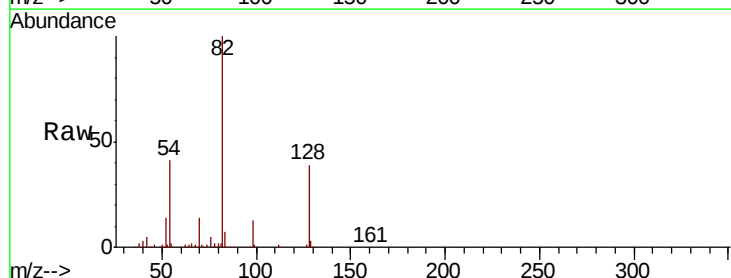
Ion Ratio Lower Upper

70 100

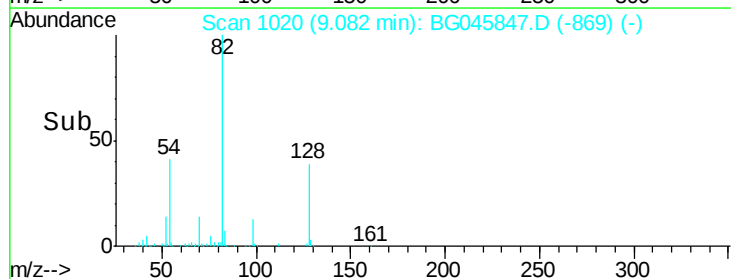
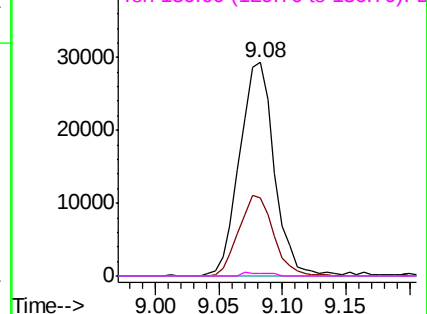
42 36.8 35.1 52.7

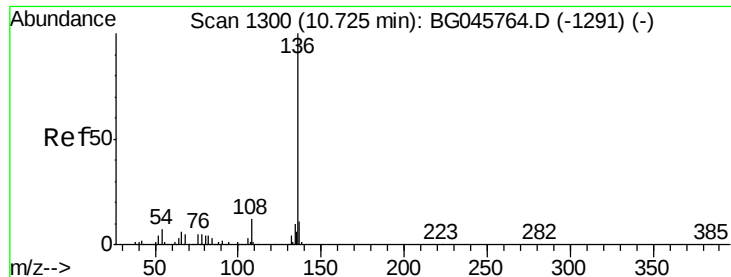
101 0.0 7.4 11.0#

130 1.5 14.6 21.8#



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

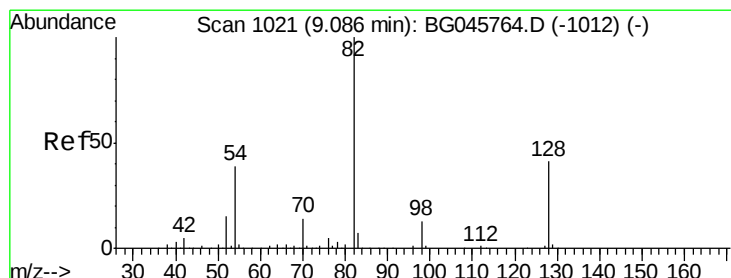
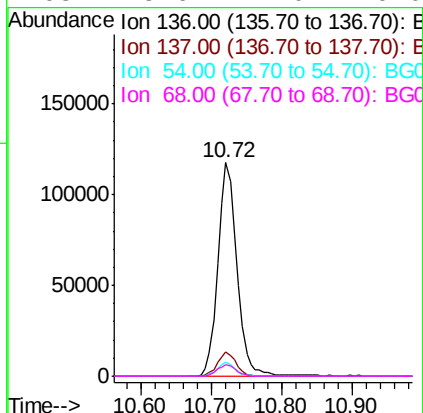
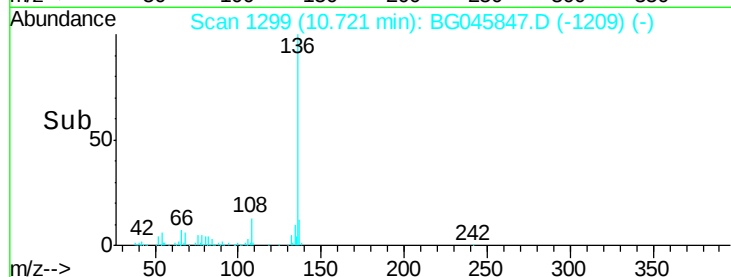
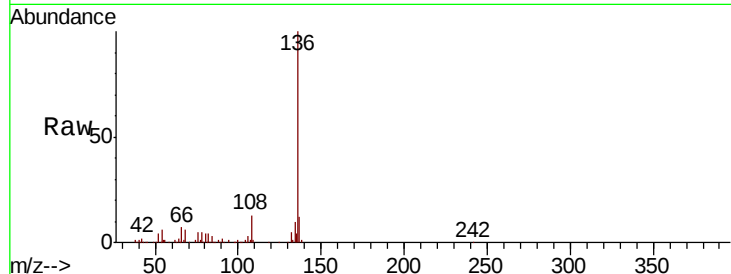




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

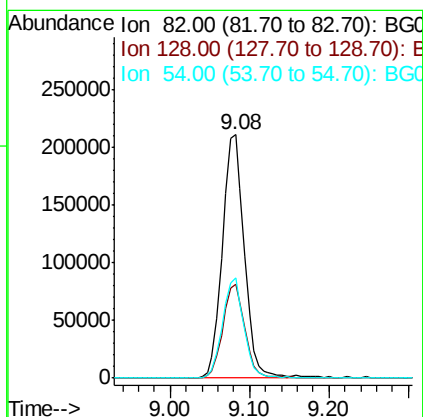
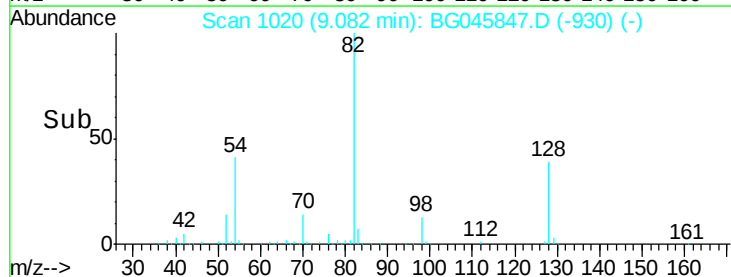
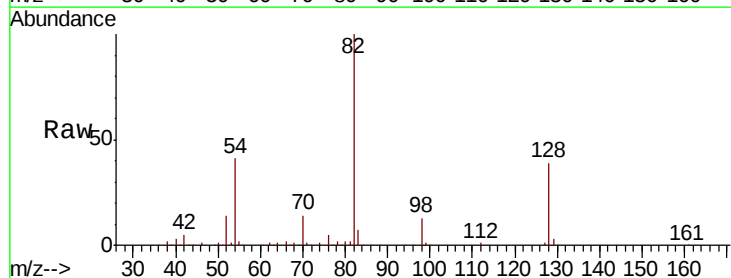
Instrument :
BNA_G
ClientSampleId :
PB129750BL

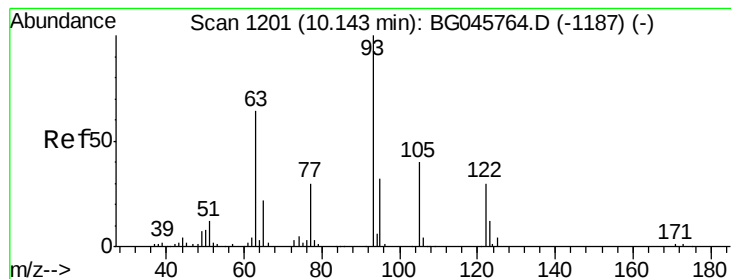
Tot Ion:136	Resp:	220895
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.7 13.1
54	6.3	5.8 8.6
68	5.6	4.0 6.0



#23
Nitrobenzene-d5
Concen: 84.296 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion: 82	Resp:	407601
Ion	Ratio	Lower Upper
82	100	
128	38.7	32.5 48.7
54	41.2	31.2 46.8





#32

Benzoic acid

Concen: 9.012 ng

RT: 10.64 min Scan# 1285

Delta R.T. 0.50 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB129750BL

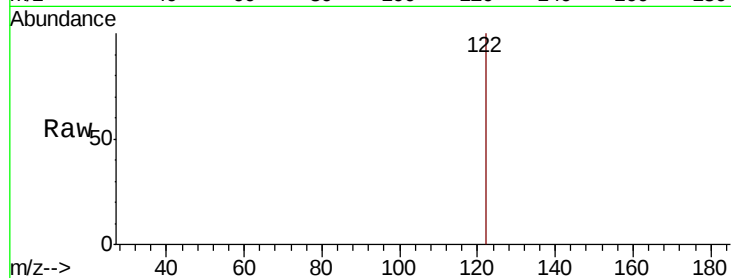
Tot Ion:122 Resp: 90

Ion Ratio Lower Upper

122 100

105 0.0 112.9 152.9#

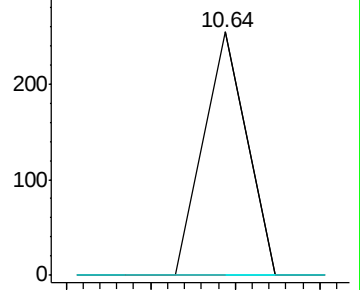
77 0.0 79.2 119.2#



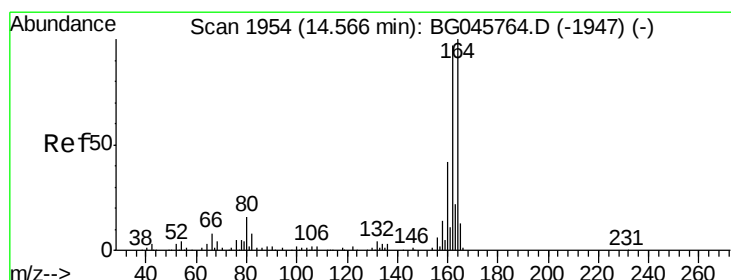
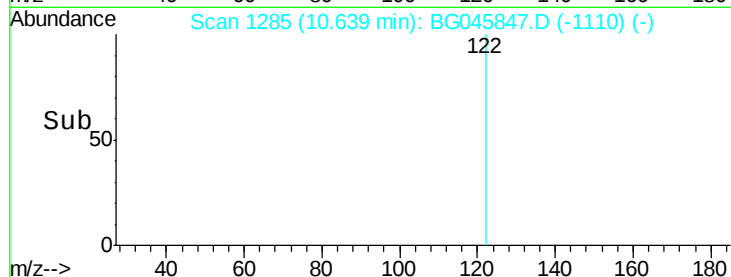
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

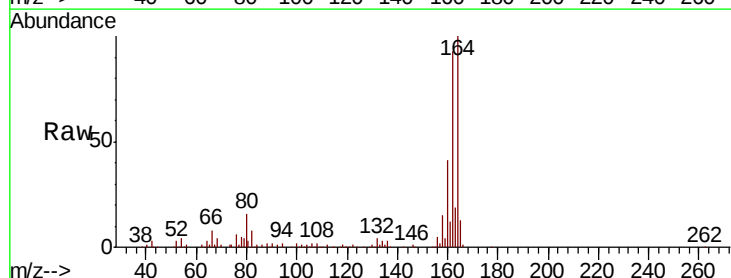
Tgt Ion:164 Resp: 156401

Ion Ratio Lower Upper

164 100

162 93.4 77.4 116.0

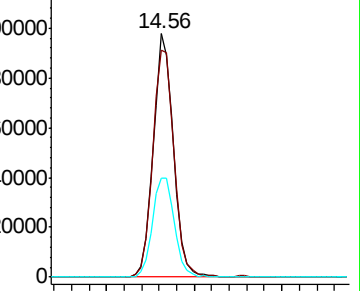
160 40.7 33.3 49.9



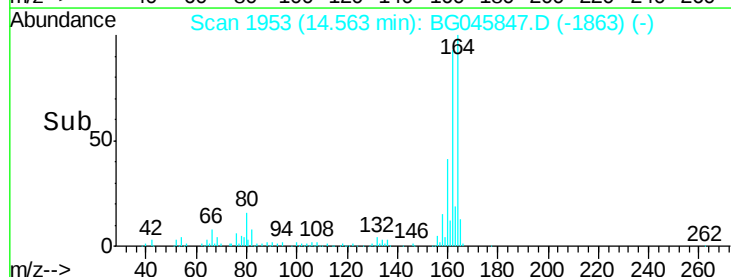
Abundance Ion 164.00 (163.70 to 164.70): E

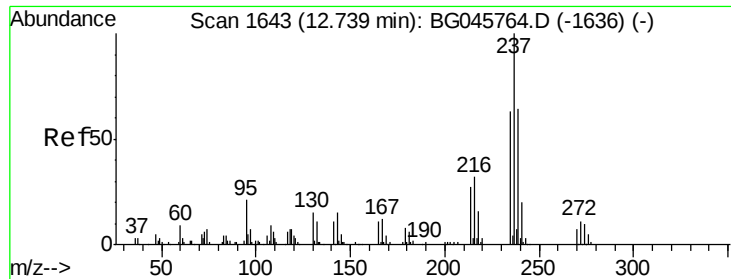
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

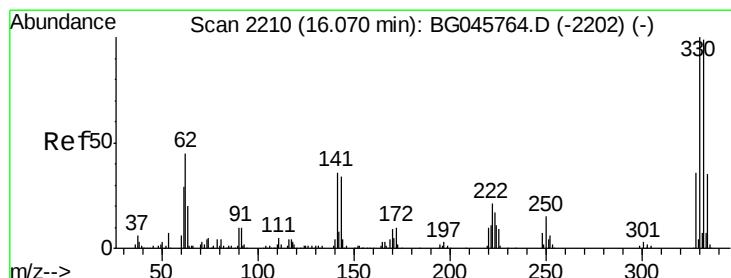
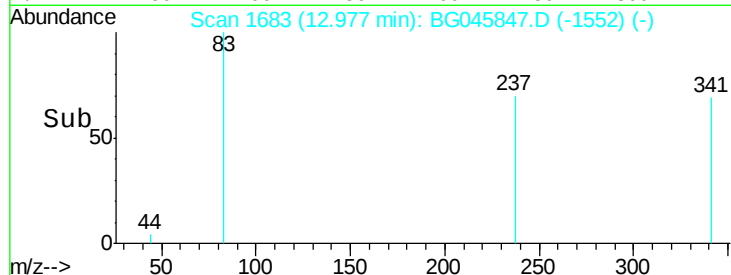
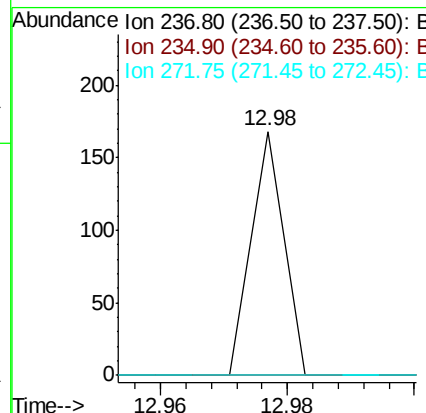
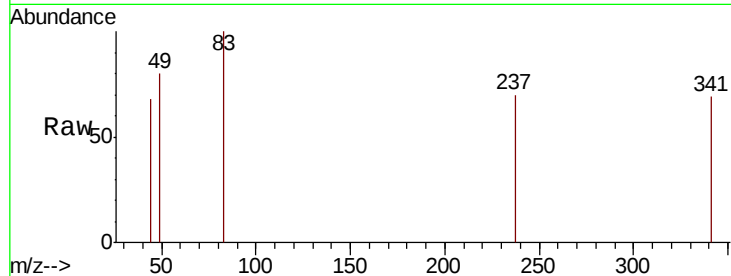




#41
Hexachlorocyclopentadiene
Concen: 8.438 ng
RT: 12.98 min Scan# 1683
Delta R.T. 0.24 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

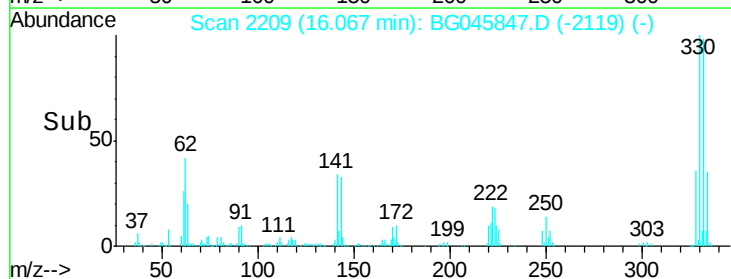
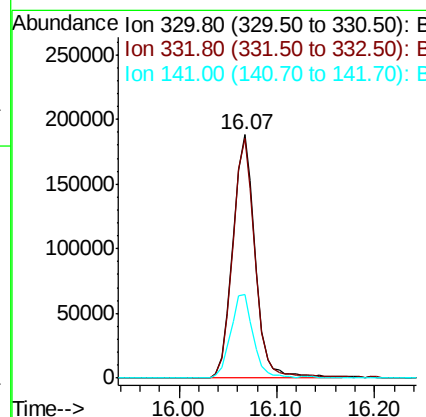
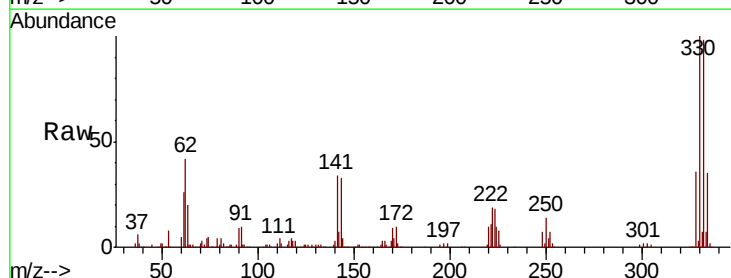
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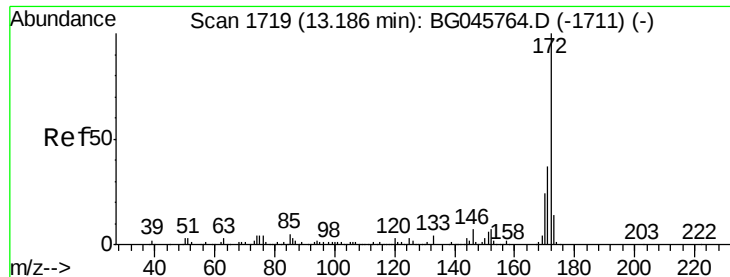
Tot Ion:237 Resp: 59
Ion Ratio Lower Upper
237 100
235 0.0 42.9 82.9#
272 0.0 0.0 30.9



#42
2,4,6-Tribromophenol
Concen: 126.680 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion:330 Resp: 299123
Ion Ratio Lower Upper
330 100
332 98.0 78.6 117.8
141 34.8 28.2 42.4

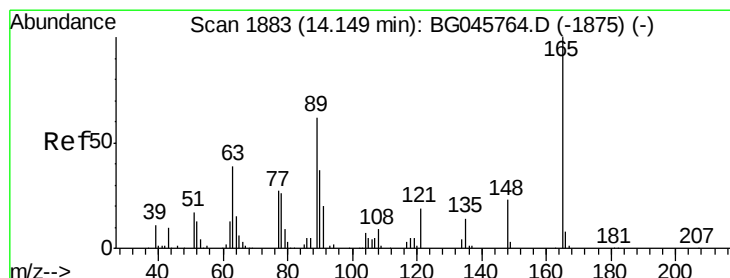
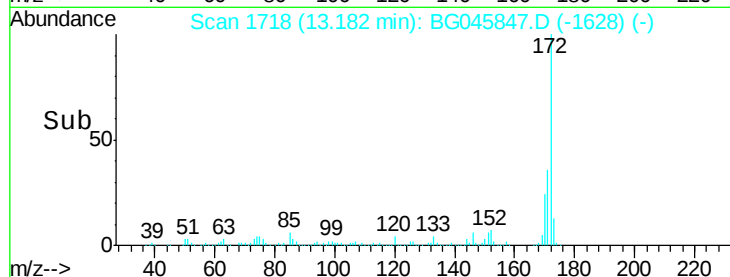
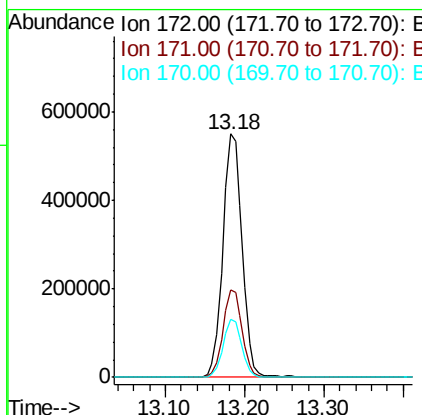
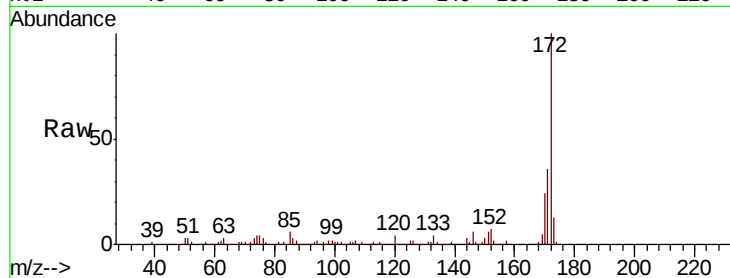




#45
2-Fluorobiphenyl
Concen: 86.784 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

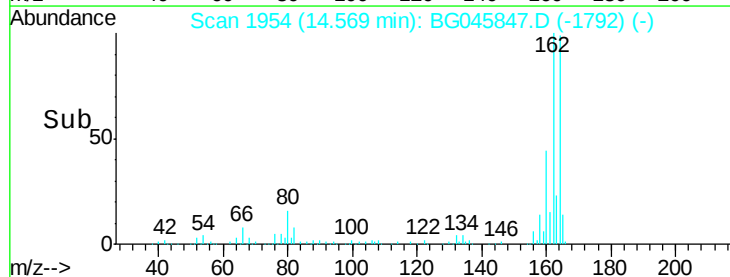
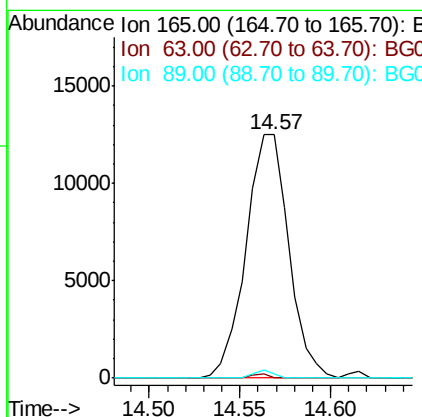
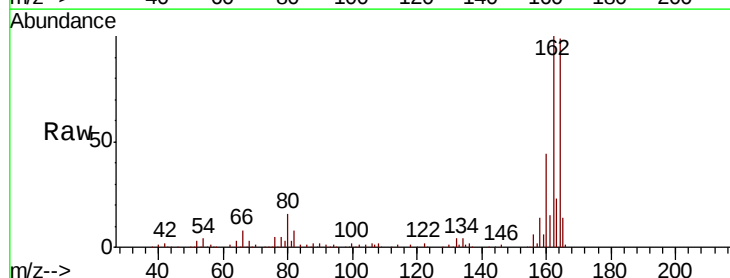
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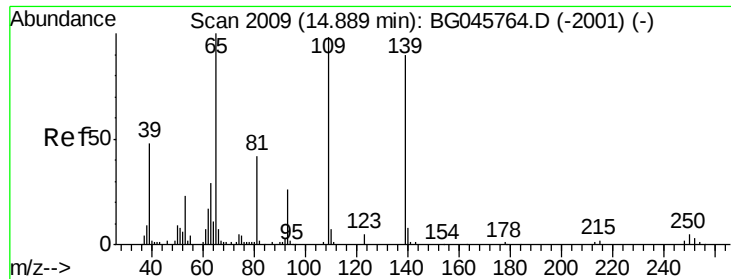
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	23.6	19.3	28.9



#51
2,6-Dinitrotoluene
Concen: 7.502 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.42 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.2	61.8#
89	1.9	49.7	74.5#

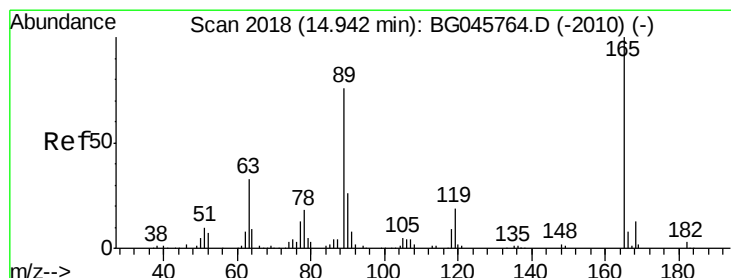
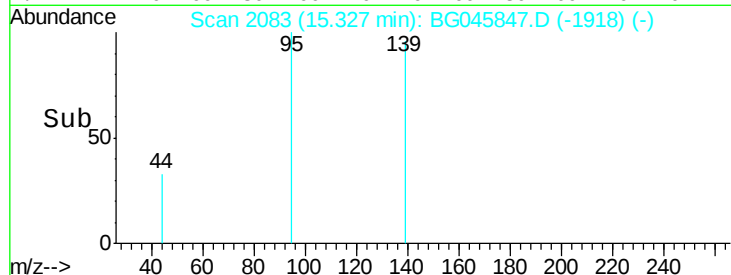
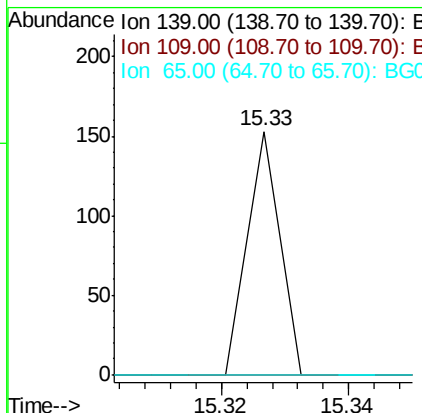
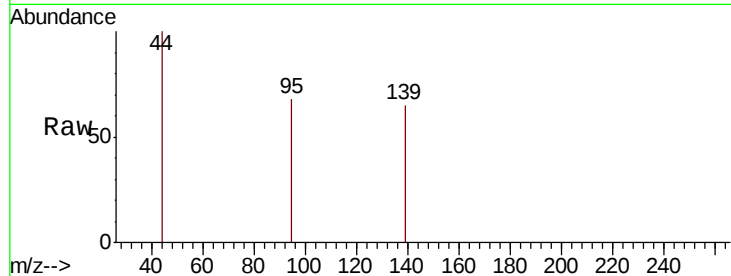




#56
4-Nitrophenol
Concen: 3.999 ng
RT: 15.33 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

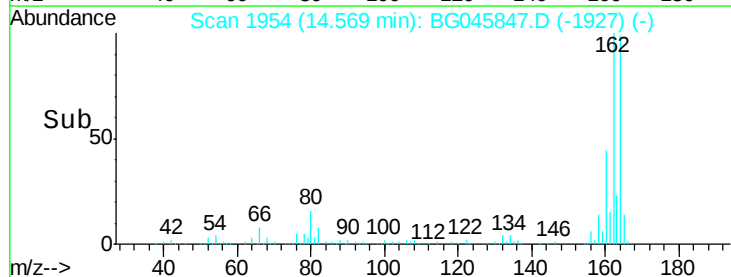
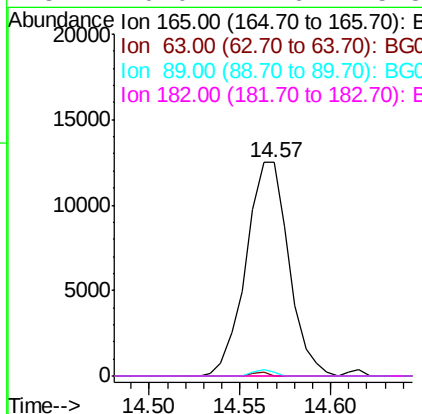
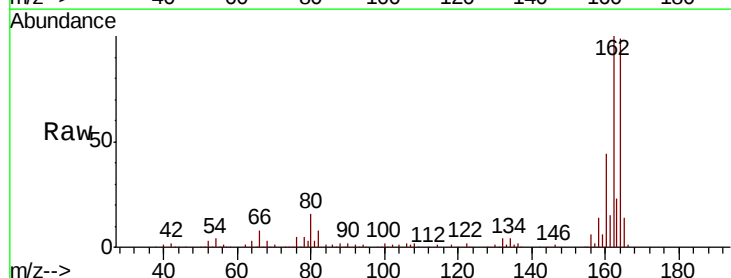
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ClientSampleId :
PB129750BL

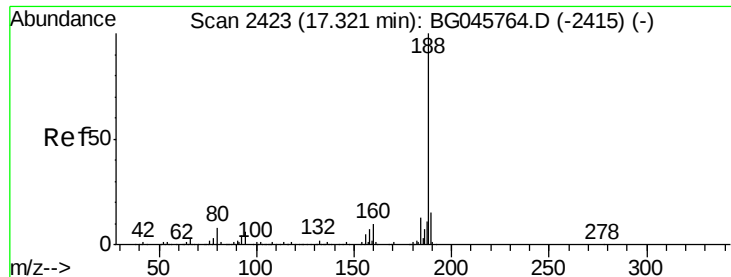
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	88.9	128.9#
65	0.0	92.3	132.3#



#57
2,4-Dinitrotoluene
Concen: 5.236 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.37 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.9	60.4	90.6#
182	0.0	2.6	3.8#

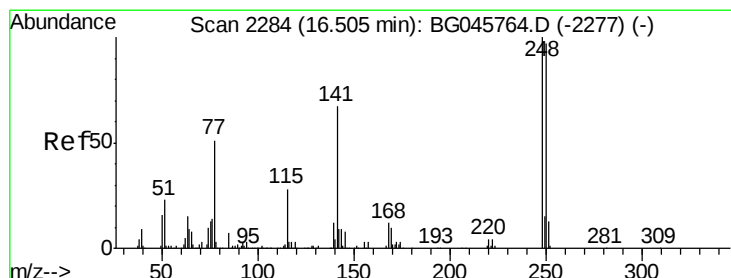
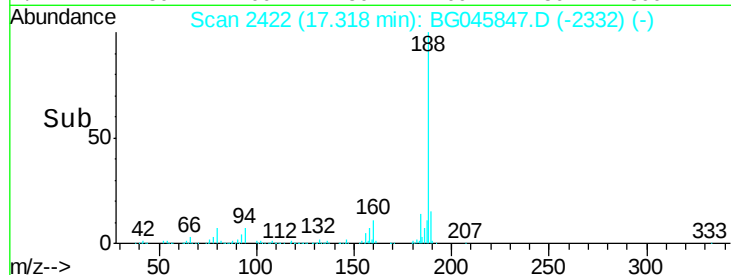
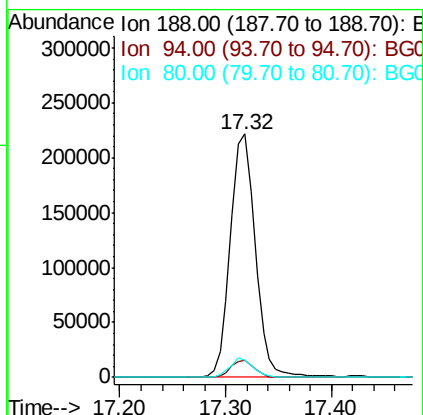
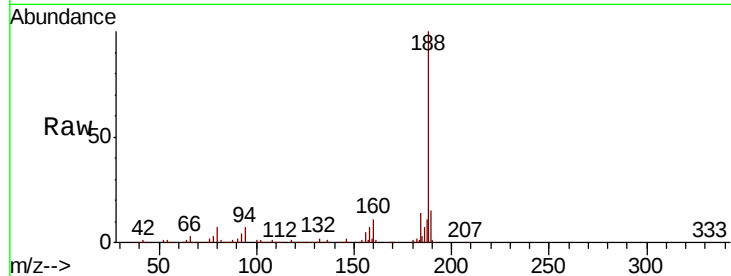




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

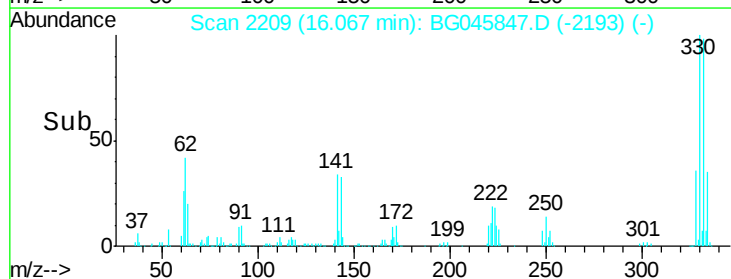
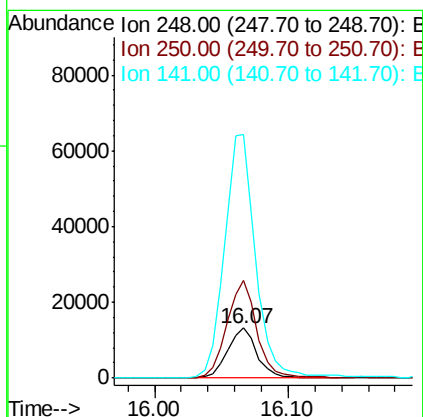
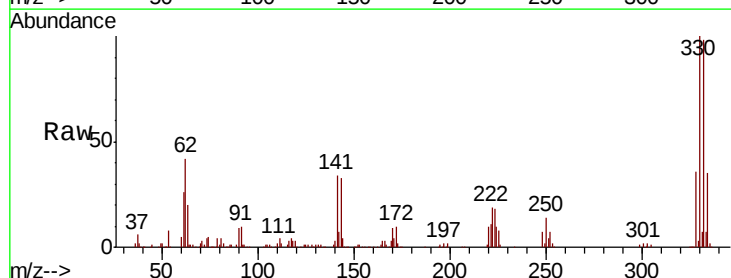
Instrument :
BNA_G
ClientSampleId :
PB129750BL

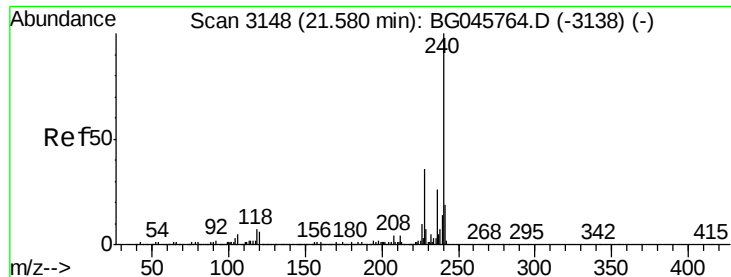
Tot Ion:188 Resp: 363329
Ion Ratio Lower Upper
188 100
94 6.9 5.1 7.7
80 7.0 6.2 9.4



#67
4-Bromophenyl-phenylether
Concen: 4.357 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.44 min
Lab File: BG045847.D
Acq: 24 Jun 2020 16:34

Tgt Ion:248 Resp: 20568
Ion Ratio Lower Upper
248 100
250 196.0 78.0 117.0#
141 485.5 53.9 80.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB129750BL

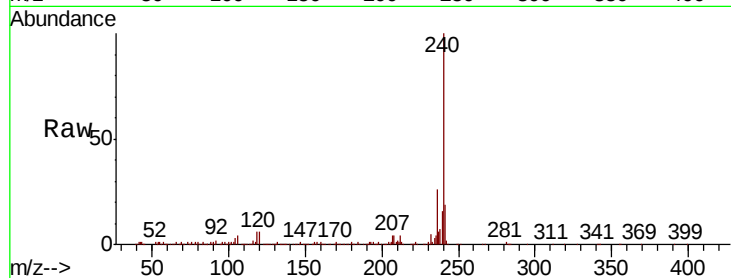
Tot Ion:240 Resp: 321320

Ion Ratio Lower Upper

240 100

120 5.7 5.0 7.4

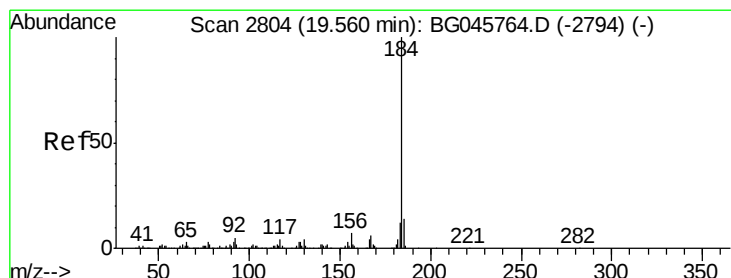
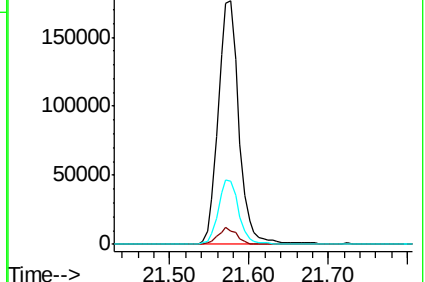
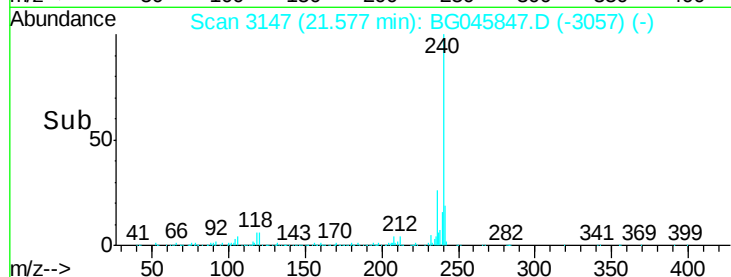
236 25.7 20.6 30.8



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



#77

Benzidine

Concen: 3.430 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

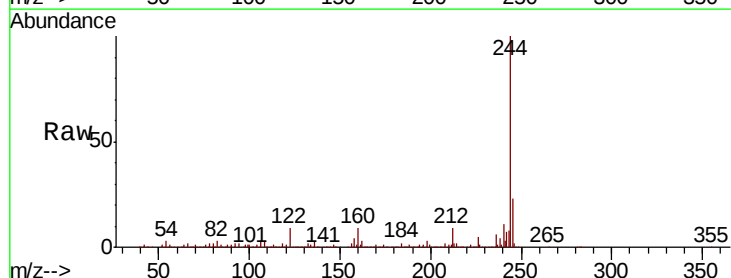
Tgt Ion:184 Resp: 28654

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

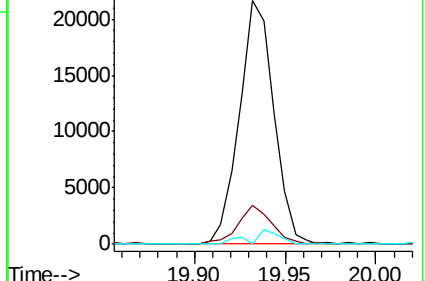
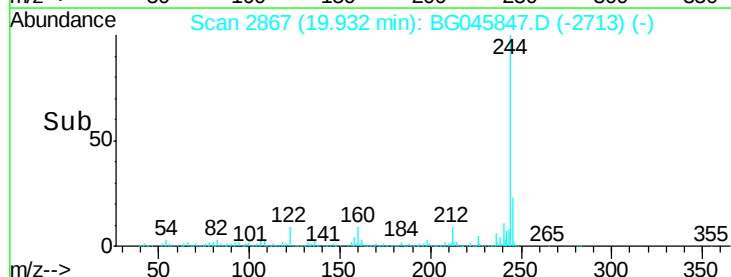
183 0.0 9.7 14.5#

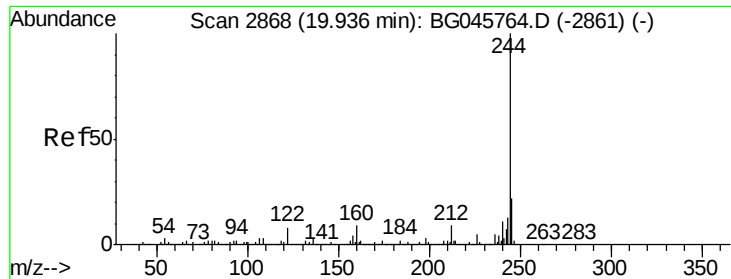


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.972 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB129750BL

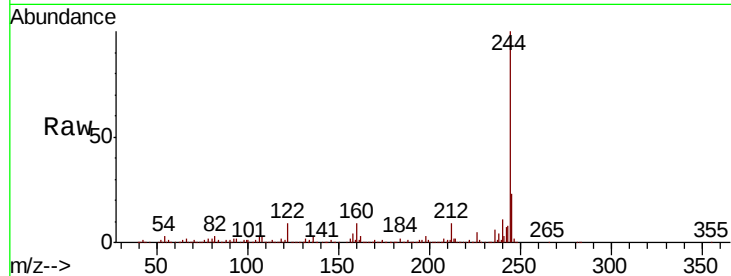
Tot Ion:244 Resp: 1553355

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

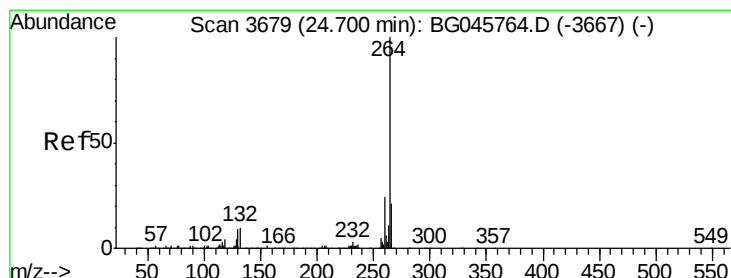
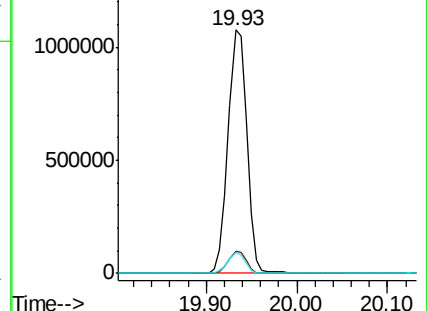
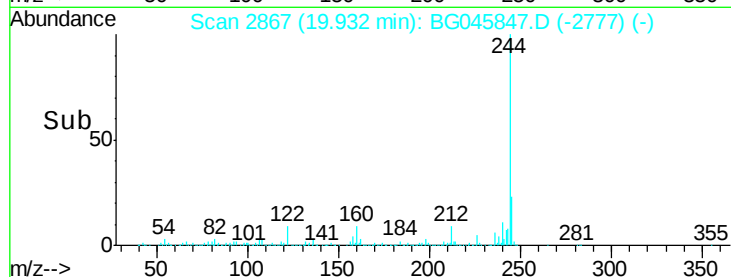
122 8.6 6.4 9.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045847.D

Acq: 24 Jun 2020 16:34

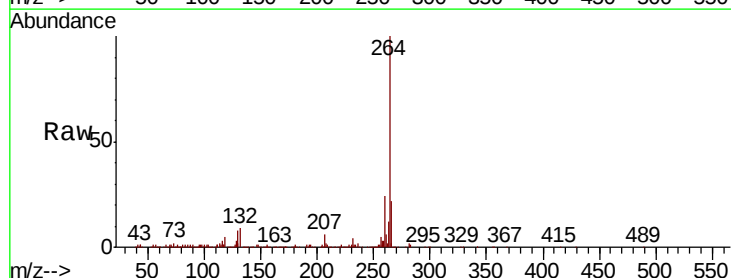
Tgt Ion:264 Resp: 345853

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 21.9 17.4 26.0



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

