

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020620\
 Data File : BG044329.D
 Acq On : 6 Feb 2020 19:13
 Operator : CG/JU
 Sample : L1346-06DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PD-4-(30-32)DL

Quant Time: Feb 06 21:48:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	93230	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	364308	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	264183	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	567949	20.00	ng	0.00
76) Chrysene-d12	21.54	240	501723	20.00	ng	0.00
87) Perylene-d12	24.63	264	551501	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	380163	71.96	ng	0.00
7) Phenol-d6	7.08	99	511651	72.13	ng	0.00
23) Nitrobenzene-d5	9.07	82	319578	49.52	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	189718	61.17	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	737093	46.72	ng	0.00
79) Terphenyl-d14	19.91	244	1140208	46.74	ng	0.00

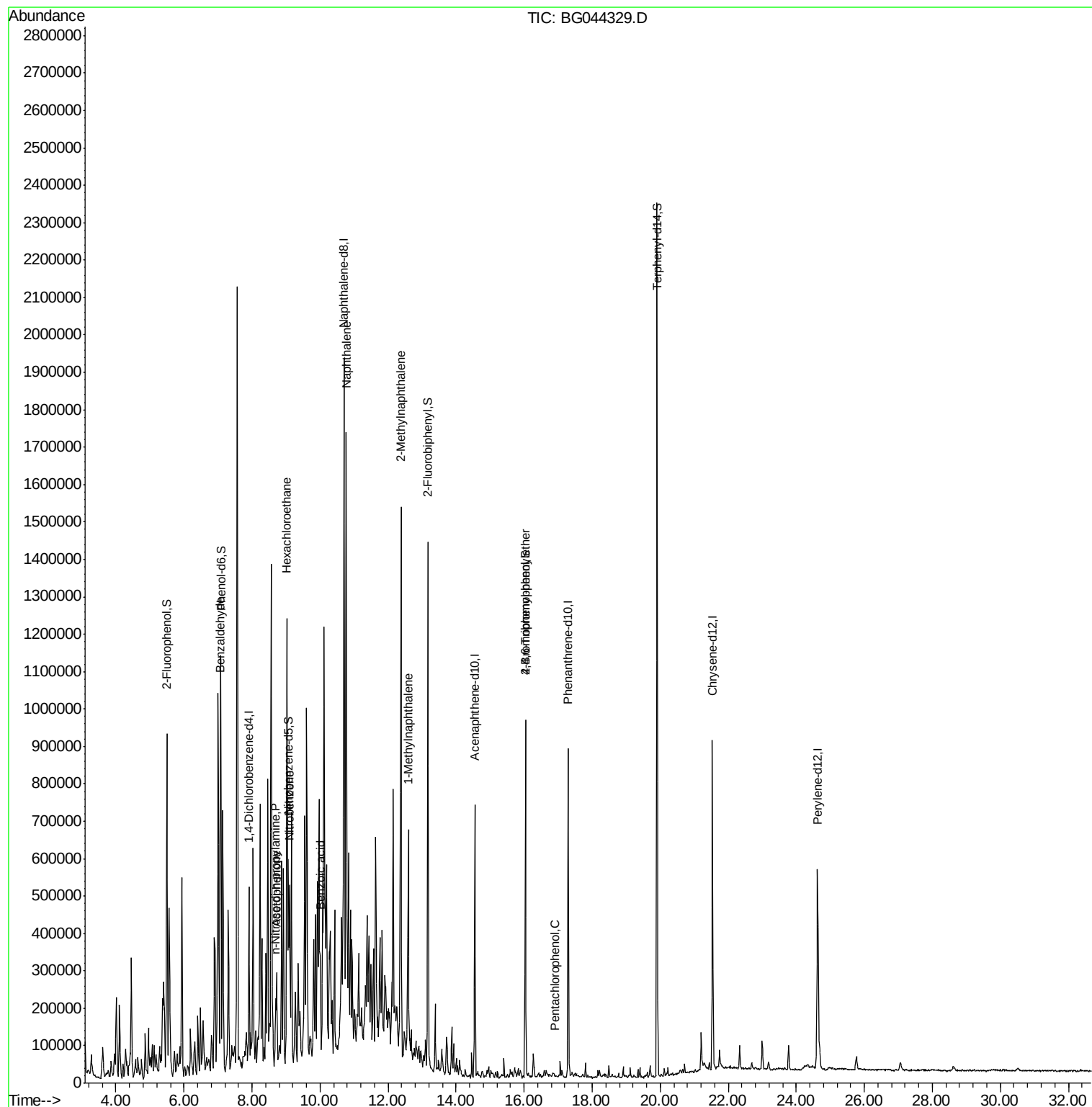
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.06	77	35013	8.666	ng	# 1
18) Hexachloroethane	9.03	117	133884	51.967	ng	# 1
19) n-Nitroso-di-n-propylamine	8.69	70	9637	2.038	ng	# 59
22) Acetophenone	8.72	105	167401	18.889	ng	# 59
24) Nitrobenzene	9.10	77	17306	2.747	ng	# 13
31) Naphthalene	10.77	128	981331	55.520	ng	97
32) Benzoic acid	10.01	122	111	14.196	ng	# 1
37) 2-Methylnaphthalene	12.38	142	738423	56.268	ng	100
38) 1-Methylnaphthalene	12.59	142	294008	23.763	ng	98
67) 4-Bromophenyl-phenylether	16.04	248	13323	2.153	ng	# 1
70) Pentachlorophenol	16.91	266	933	3.398	ng	# 1

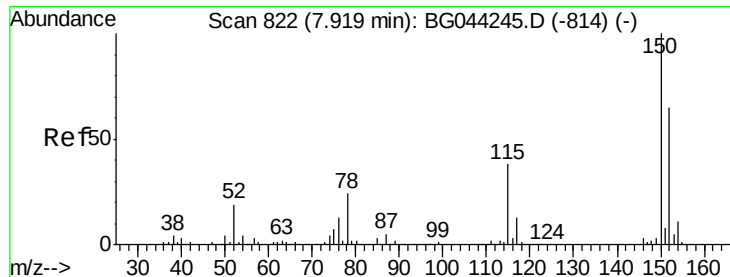
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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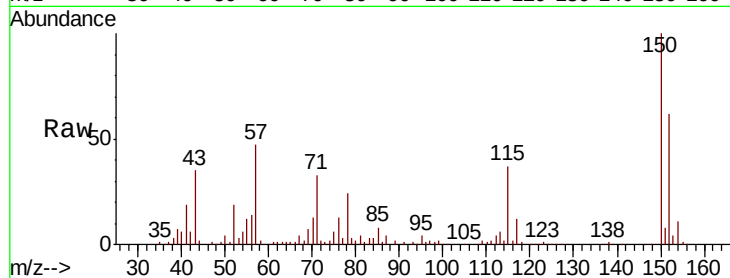


#1

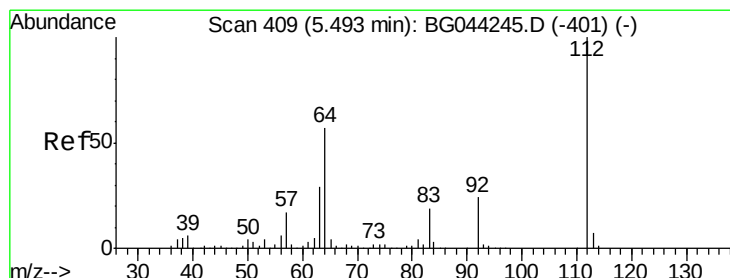
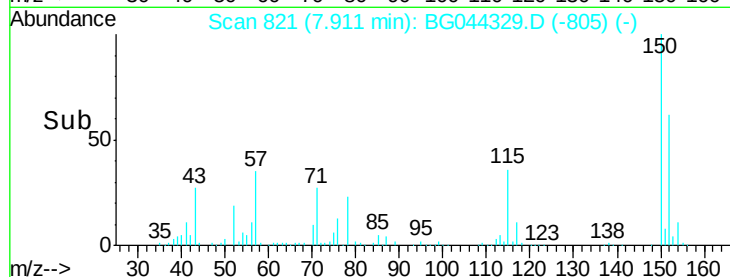
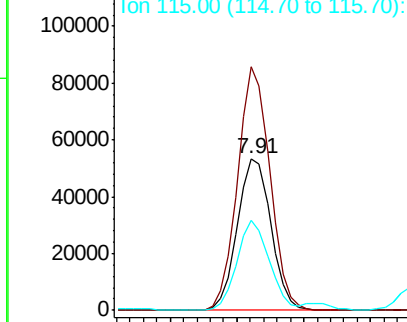
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

Instrument :
 BNA_G
 ClientSampleId :
 PD-4-(30-32)DL

Tot Ion:152 Resp: 93230
 Ion Ratio Lower Upper
 152 100
 150 160.3 122.6 183.8
 115 59.1 46.0 69.0



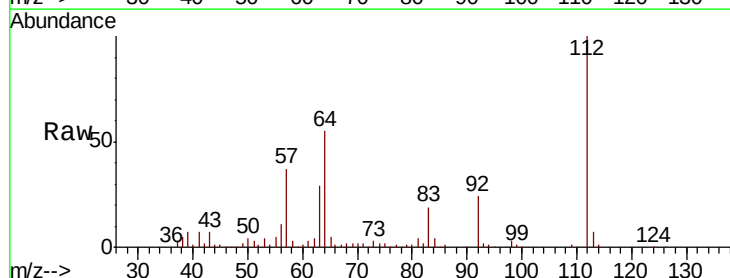
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



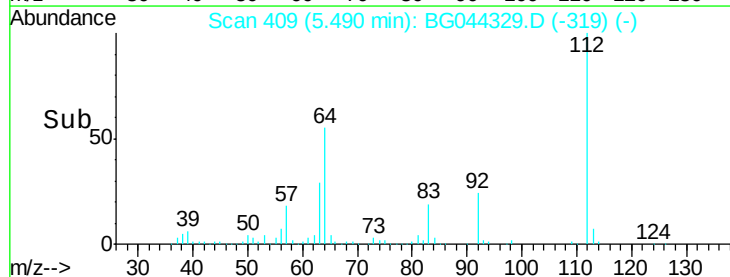
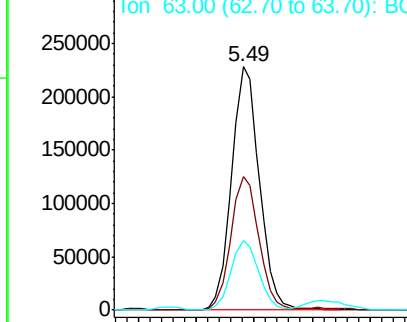
#5

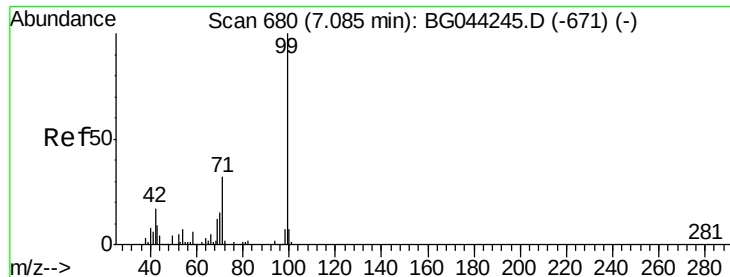
2-Fluorophenol
 Concen: 71.965 ng
 RT: 5.49 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

Tgt Ion:112 Resp: 380163
 Ion Ratio Lower Upper
 112 100
 64 54.8 45.4 68.2
 63 28.7 22.9 34.3



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: 72.127 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

Instrument :

BNA_G

ClientSampleId :

PD-4-(30-32)DL

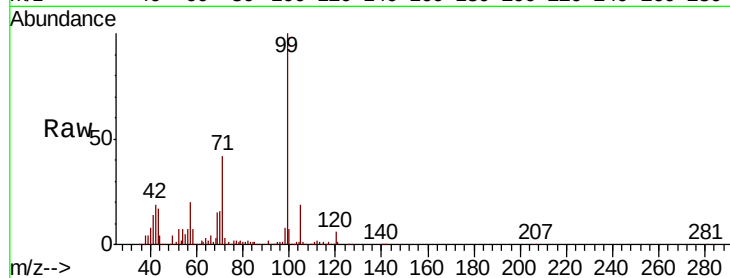
Tot Ion: 99 Resp: 511651

Ion Ratio Lower Upper

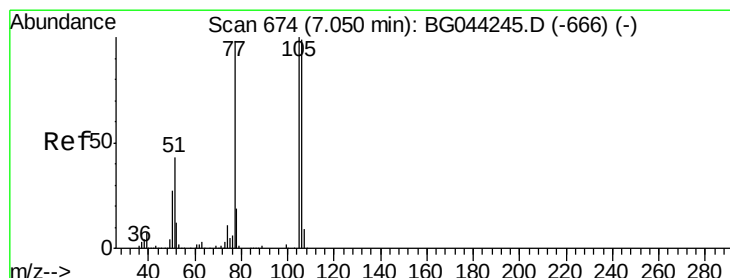
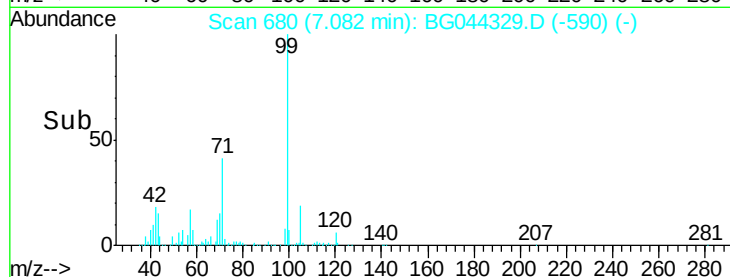
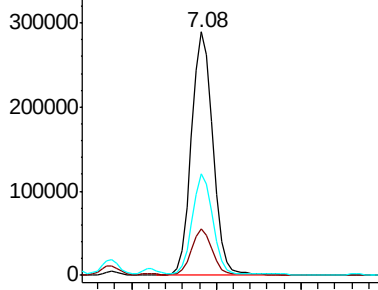
99 100

42 18.9 13.8 20.6

71 41.9 25.5 38.3#



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



#9

Benzaldehyde

Concen: 8.666 ng

RT: 7.06 min Scan# 677

Delta R.T. 0.02 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

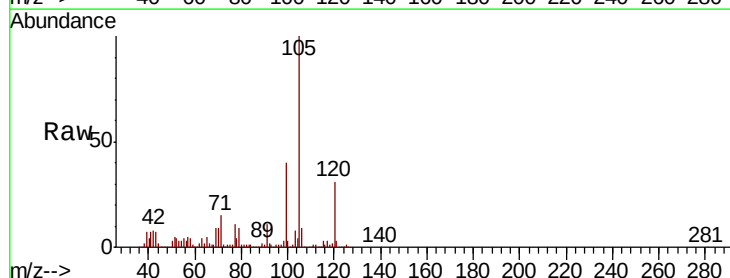
Tgt Ion: 77 Resp: 35013

Ion Ratio Lower Upper

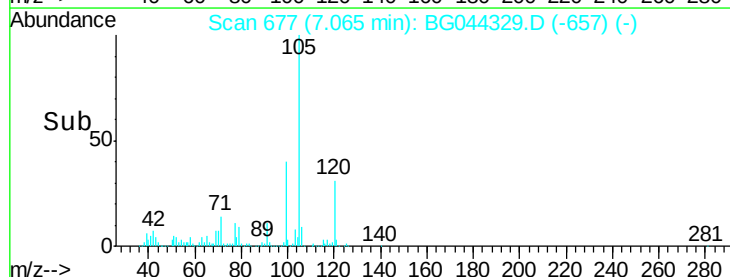
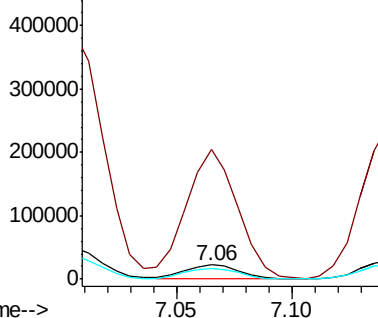
77 100

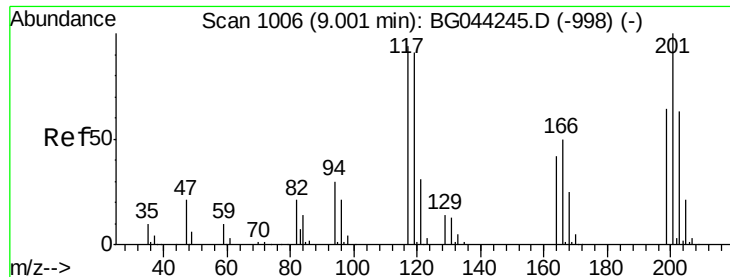
105 921.8 82.0 122.0#

106 78.5 80.7 120.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

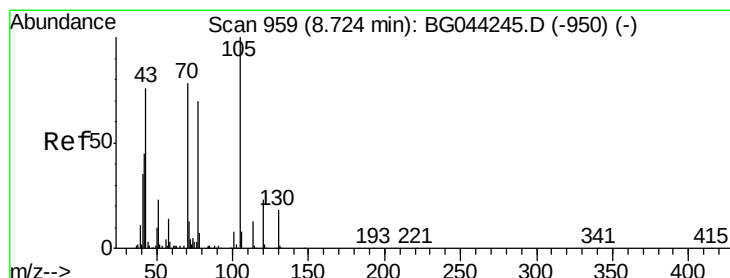
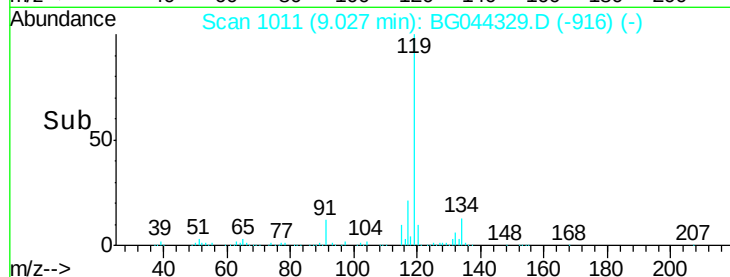
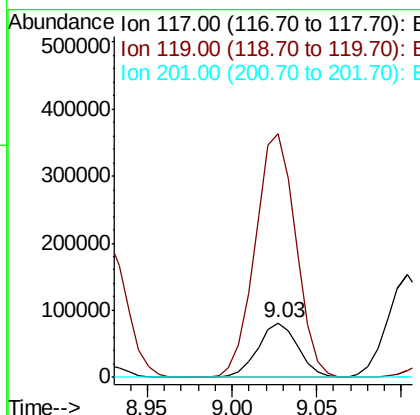
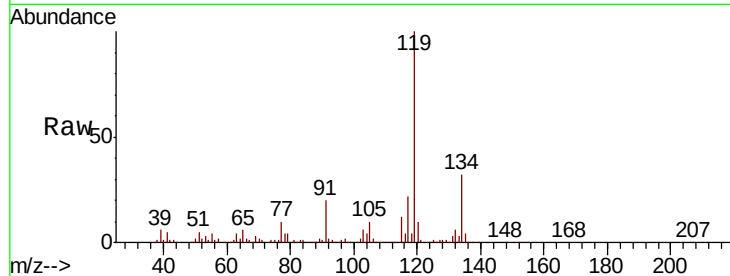




#18
Hexachloroethane
Concen: 51.967 ng
RT: 9.03 min Scan# 1011
Delta R.T. 0.03 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

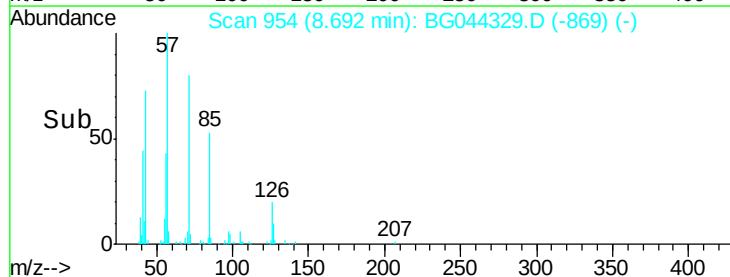
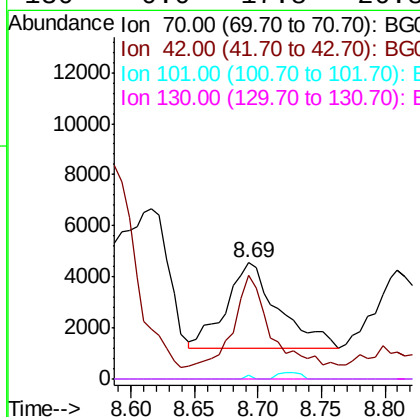
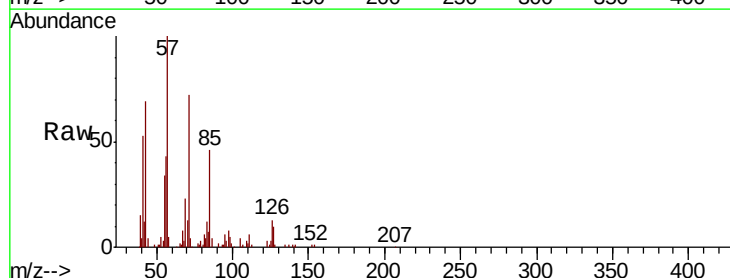
Instrument :
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PD-4-(30-32)DL

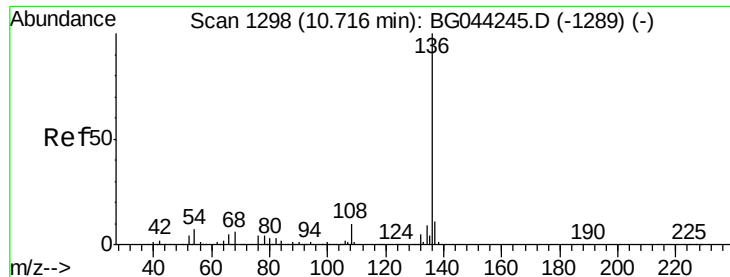
Tot Ion:117 Resp: 133884
Ion Ratio Lower Upper
117 100
119 446.3 77.5 116.3#
201 0.0 84.9 127.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.038 ng
RT: 8.69 min Scan# 954
Delta R.T. -0.03 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Tgt Ion: 70 Resp: 9637
Ion Ratio Lower Upper
70 100
42 89.4 46.2 69.2#
101 3.6 8.4 12.6#
130 0.0 17.8 26.8#

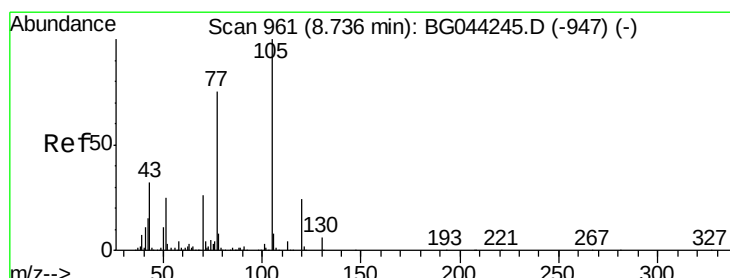
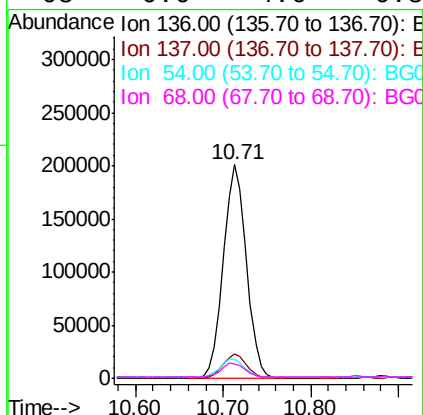
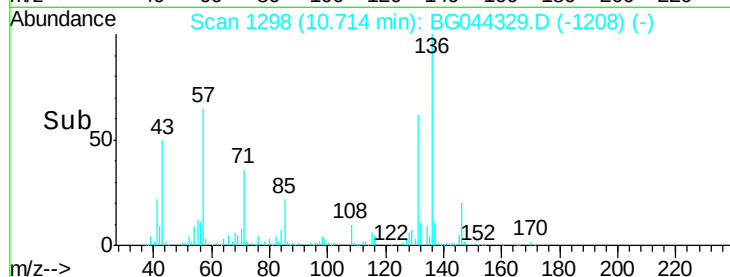
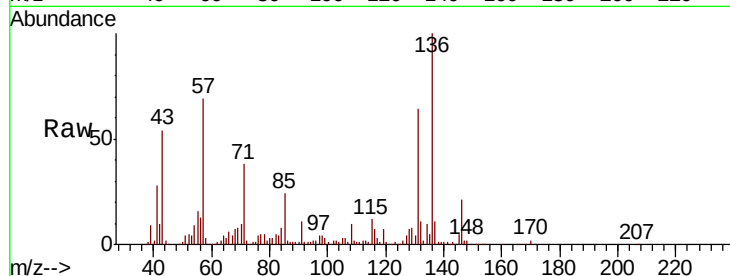




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

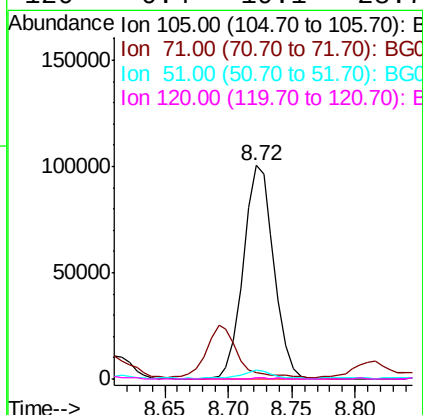
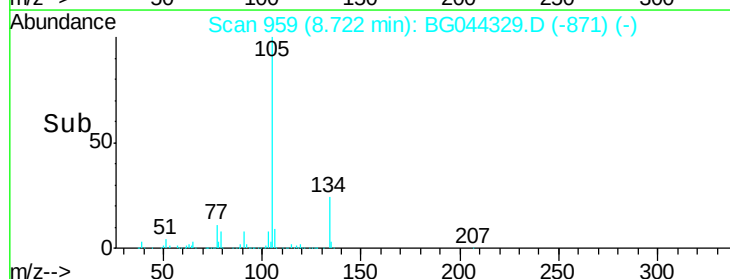
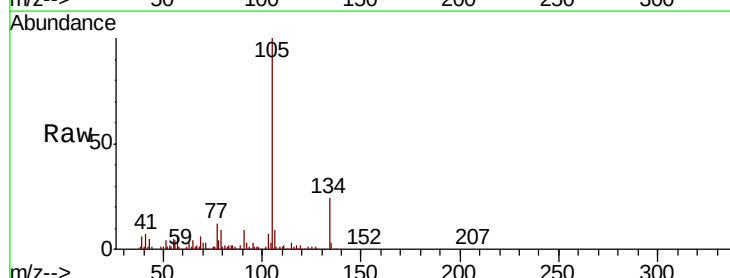
Instrument :
BNA_G
ClientSampleId :
PD-4-(30-32)DL

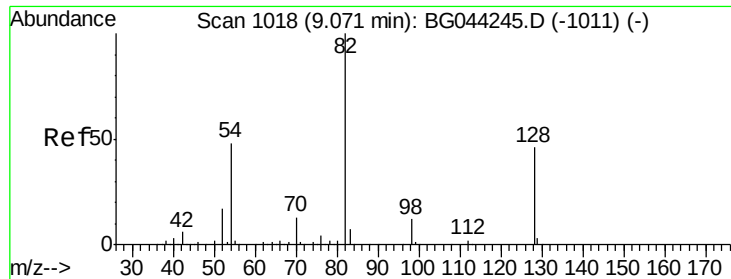
Tot Ion:136	Resp:	364308
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.8	13.2
54 9.2	5.8	8.8#
68 6.6	4.6	6.8



#22
Acetophenone
Concen: 18.889 ng
RT: 8.72 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Tgt	Ion:105	Resp:	167401
Ion	Ratio	Lower	Upper
105	100		
71	3.0	3.4	5.0#
51	4.2	20.2	30.4#
120	0.4	19.1	28.7#

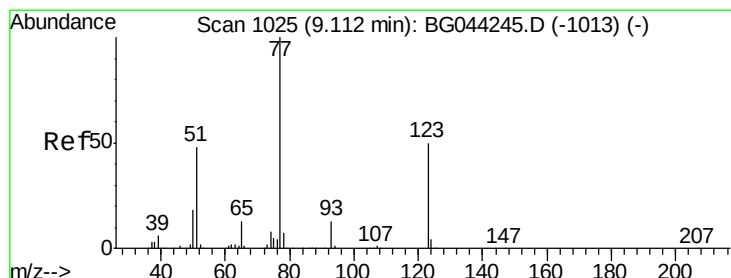
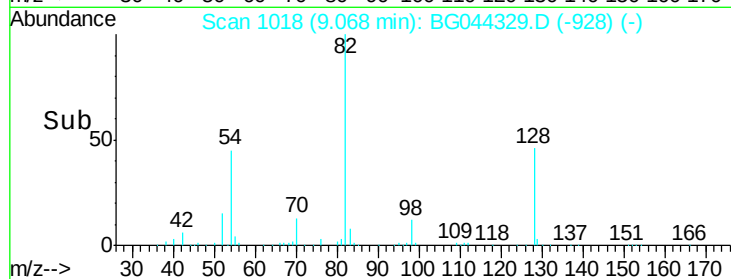
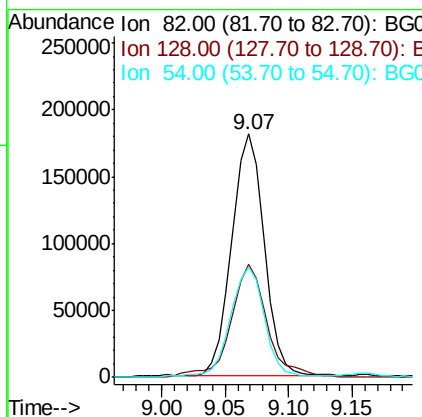
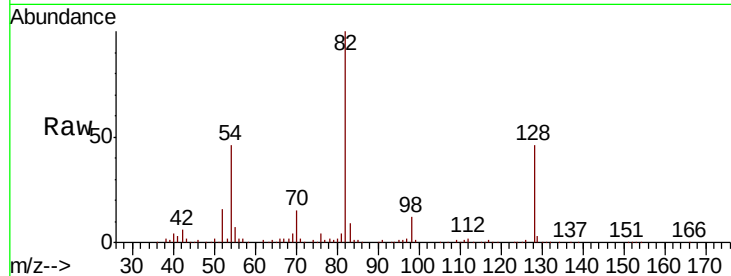




#23
 Nitrobenzene-d5
 Concen: 49.525 ng
 RT: 9.07 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

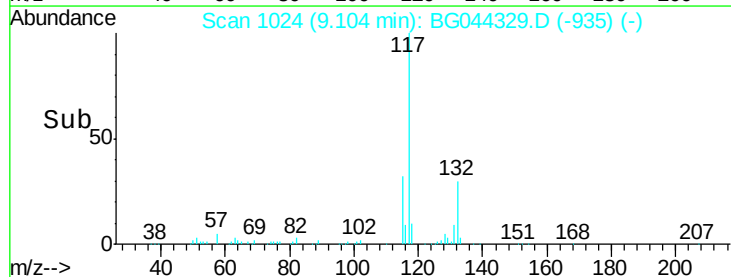
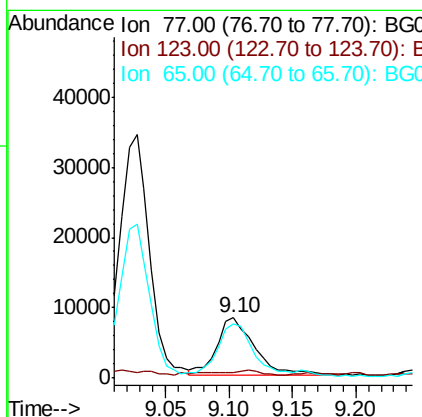
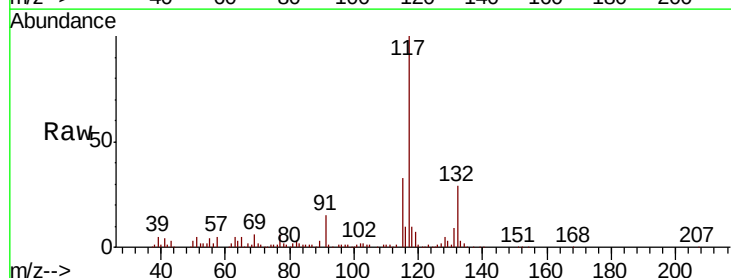
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 BNA_G
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 PD-4-(30-32)DL

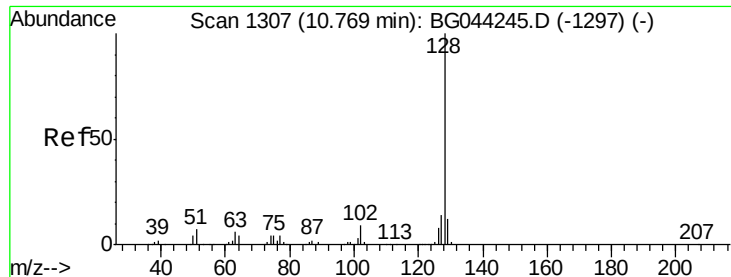
Tot Ion	82	Resp	319578
Ion Ratio	100	Lower	Upper
128	46.2	36.5	54.7
54	45.6	38.6	58.0



#24
 Nitrobenzene
 Concen: 2.747 ng
 RT: 9.10 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

Tgt Ion	77	Resp	17306
Ion Ratio	100	Lower	Upper
123	9.3	39.9	59.9#
65	90.1	10.4	15.6#

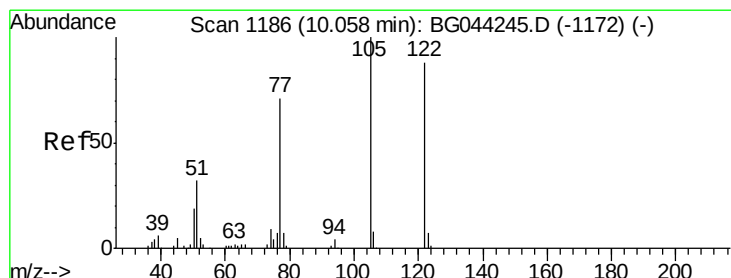
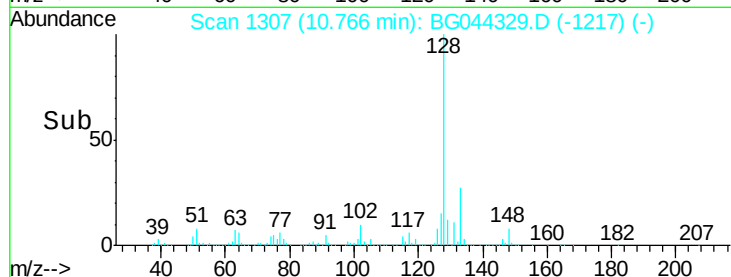
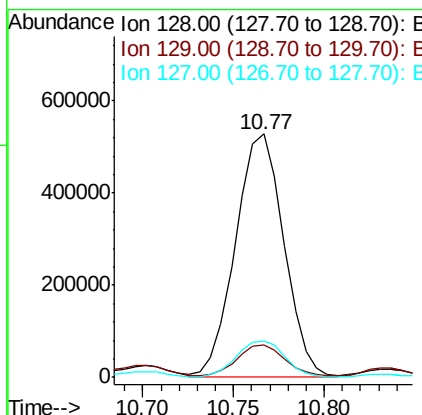
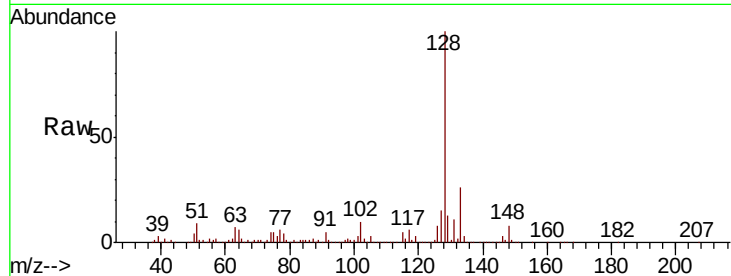




#31
Naphthalene
Concen: 55.520 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

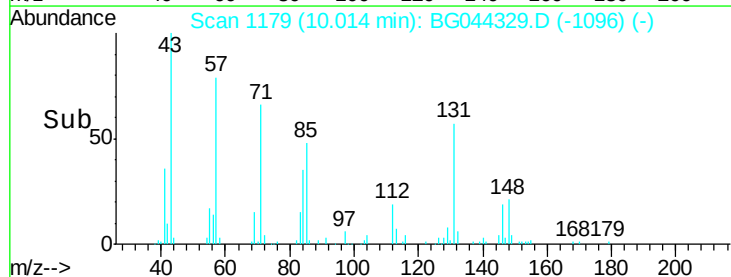
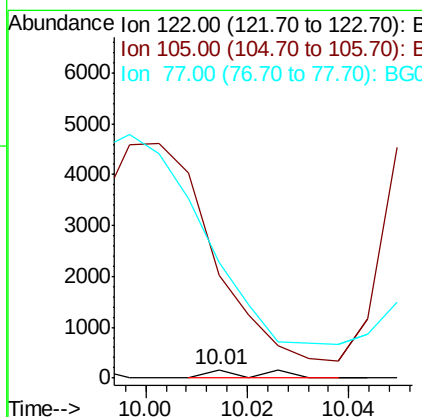
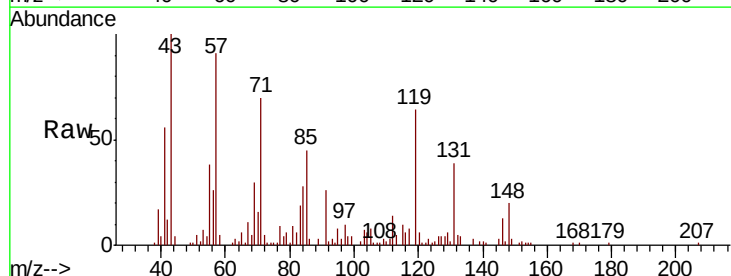
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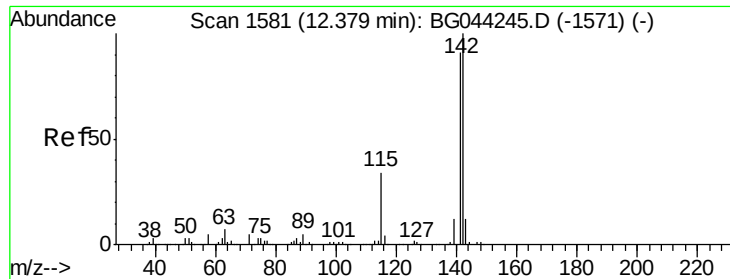
Tot Ion:128 Resp: 981331
Ion Ratio Lower Upper
128 100
129 13.3 9.3 13.9
127 15.1 11.6 17.4



#32
Benzoic acid
Concen: 14.196 ng
RT: 10.01 min Scan# 1179
Delta R.T. -0.04 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Tgt Ion:122 Resp: 111
Ion Ratio Lower Upper
122 100
105 1242.6 93.5 133.5#
77 1400.0 61.0 101.0#

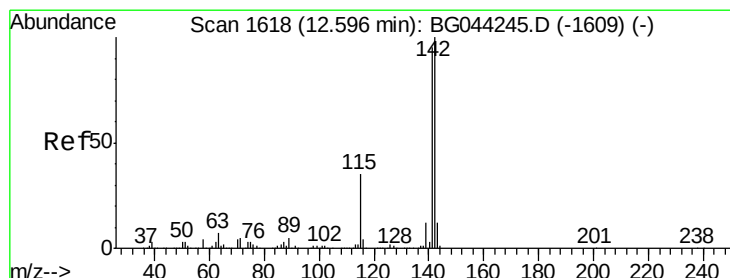
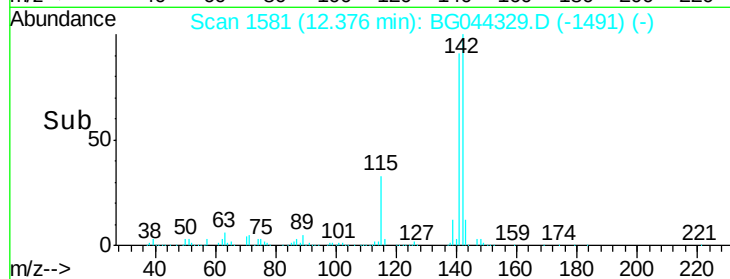
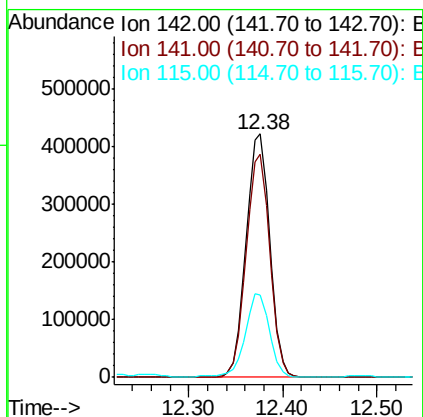
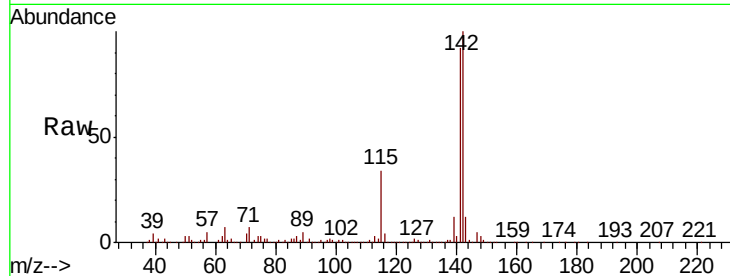




#37
 2-Methylnaphthalene
 Concen: 56.268 ng
 RT: 12.38 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

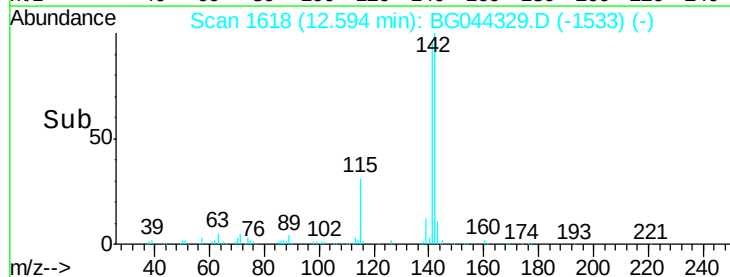
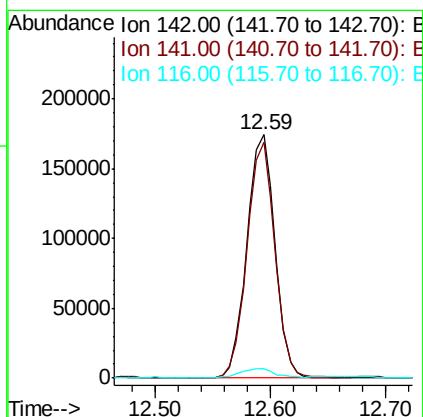
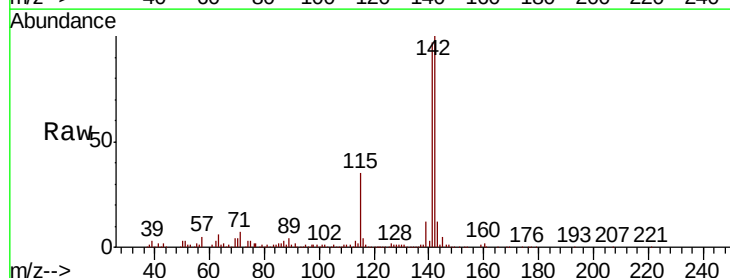
Instrument :
 BNA_G
 ClientSampleId :
 PD-4-(30-32)DL

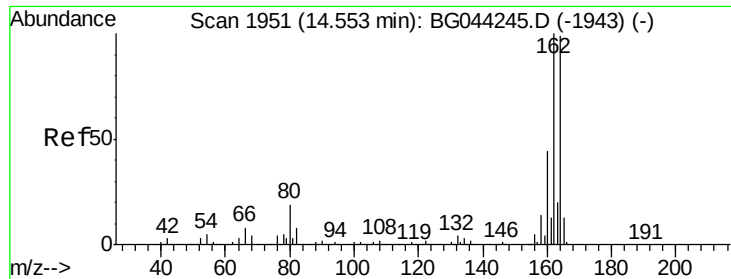
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8
115	33.9	27.1	40.7



#38
 1-Methylnaphthalene
 Concen: 23.763 ng
 RT: 12.59 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.8	75.8	113.6
116	3.6	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

Instrument :

BNA_G

ClientSampleId :

PD-4-(30-32)DL

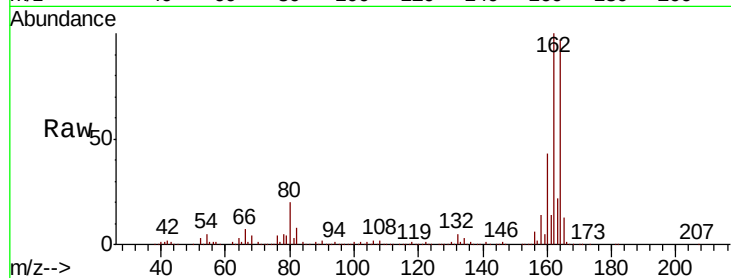
Tot Ion:164 Resp: 264183

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

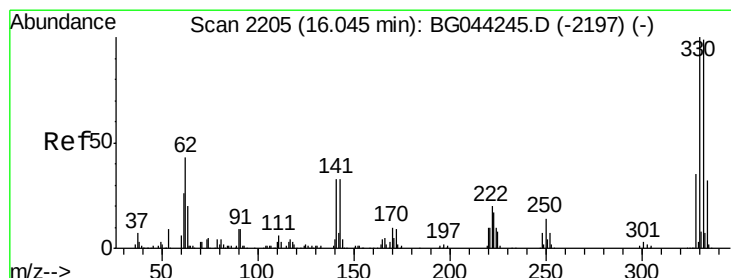
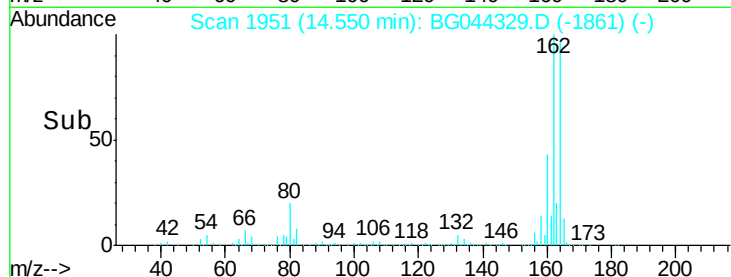
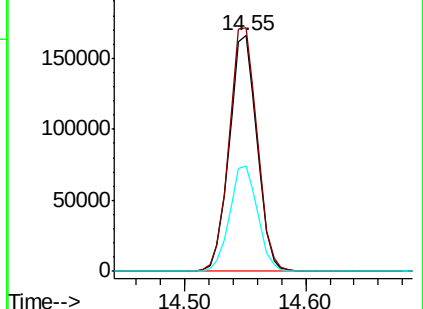
160 45.0 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 61.173 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

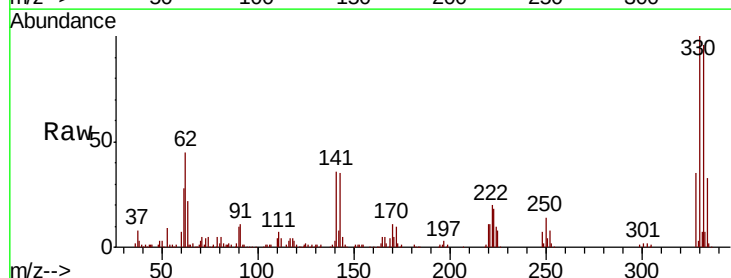
Tgt Ion:330 Resp: 189718

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

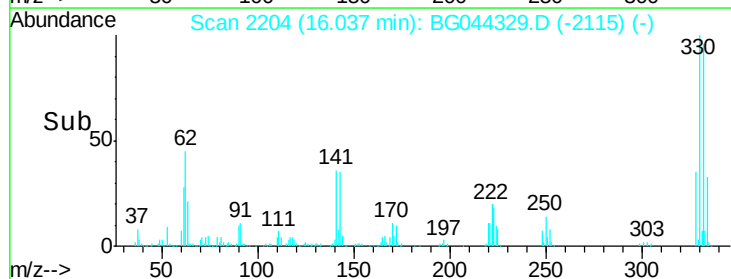
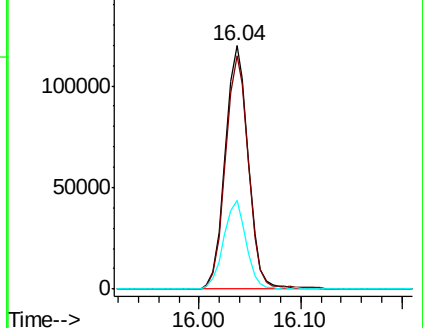
141 35.6 28.3 42.5

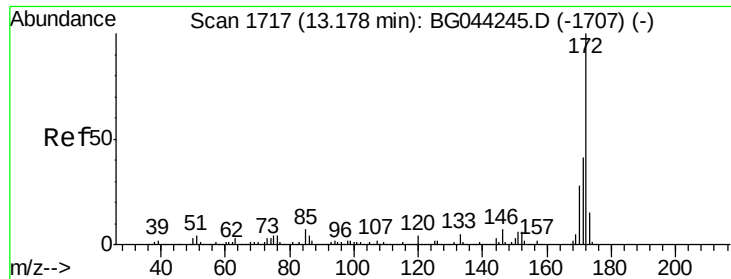


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

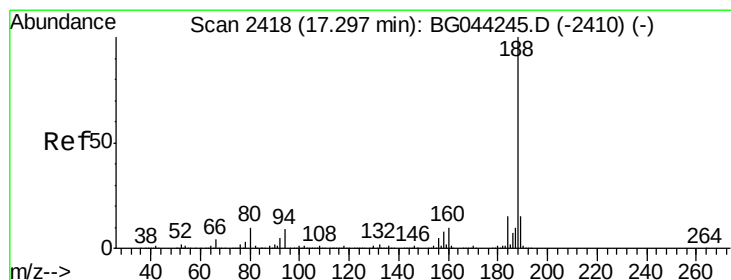
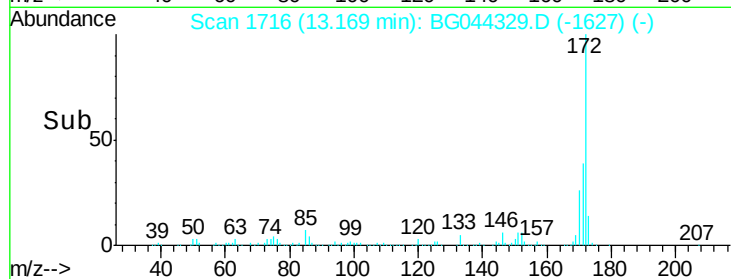
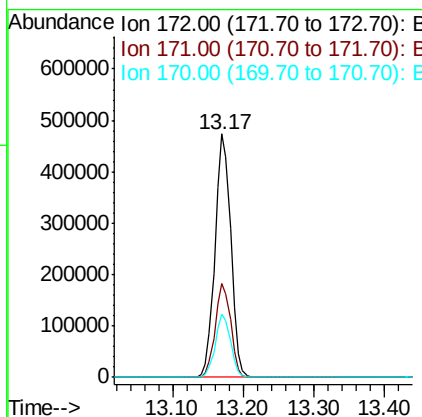
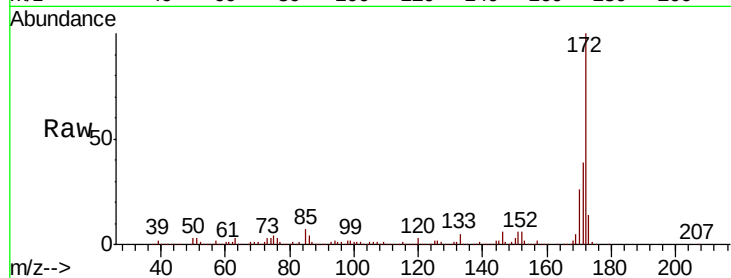




#45
 2-Fluorobiphenyl
 Concen: 46.721 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

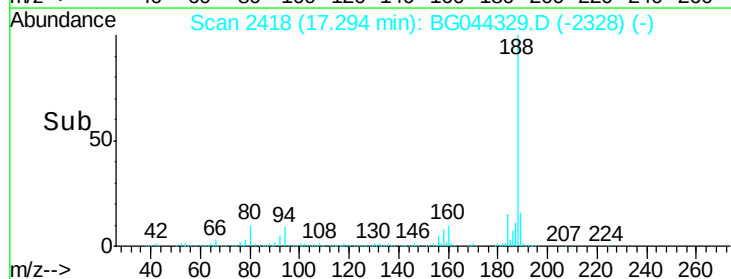
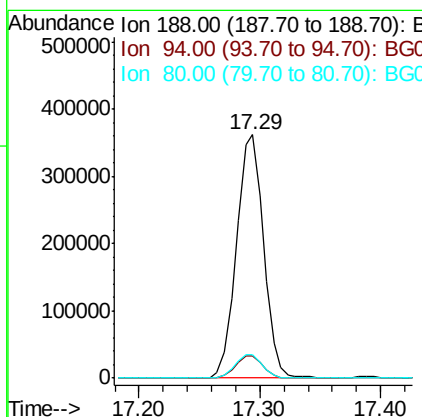
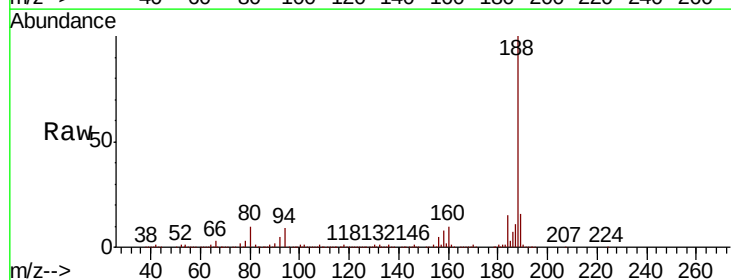
Instrument :
 BNA_G
 ClientSampleId :
 PD-4-(30-32)DL

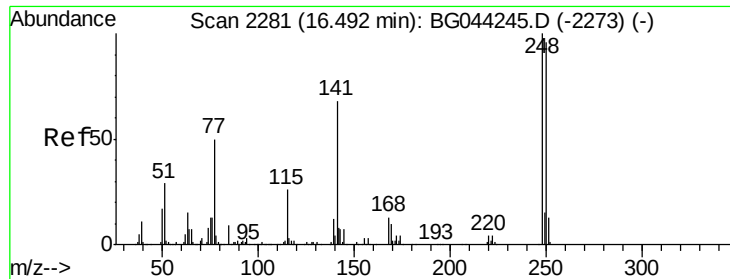
Tot	Ion:172	Resp:	737093
Ion	Ratio	Lower	Upper
172	100		
171	38.6	32.9	49.3
170	25.9	22.0	33.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG044329.D
 Acq: 6 Feb 2020 19:13

Tgt Ion	188	Resp:	567949
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	9.6	7.7	11.5

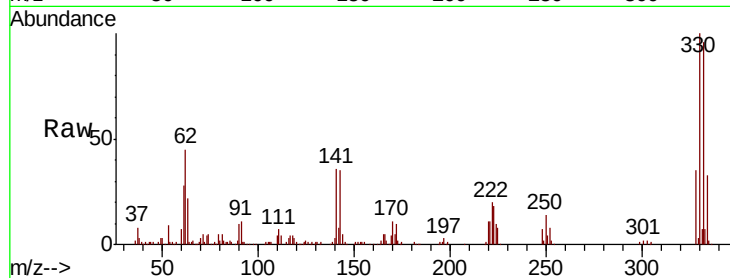




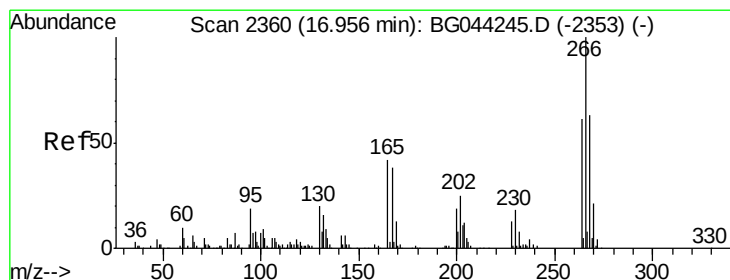
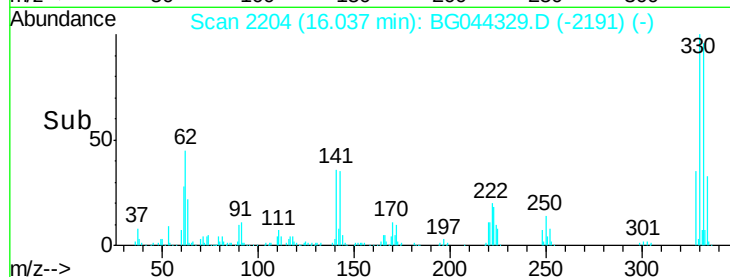
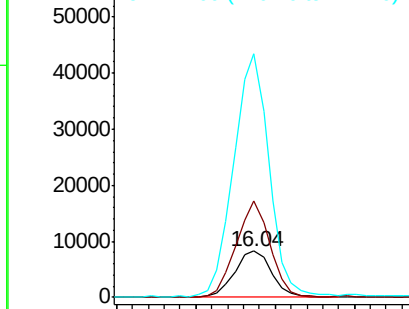
#67
4-Bromophenyl-phenylether
Concen: 2.153 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.46 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Instrument :
BNA_G
ClientSampleId :
PD-4-(30-32)DL

Tot Ion:248 Resp: 13323
Ion Ratio Lower Upper
248 100
250 207.3 76.6 114.8#
141 526.7 54.7 82.1#

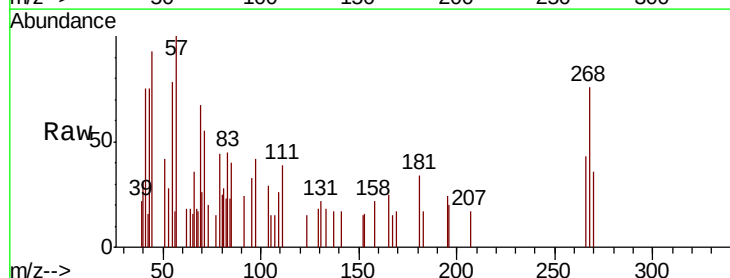


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

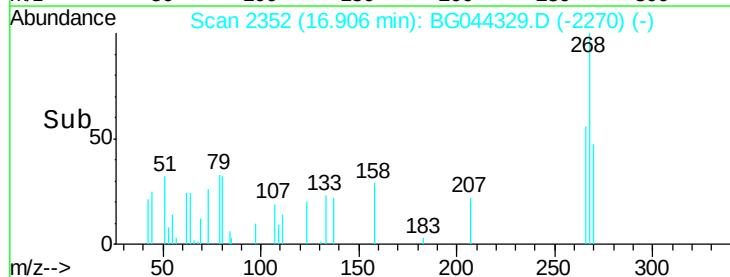
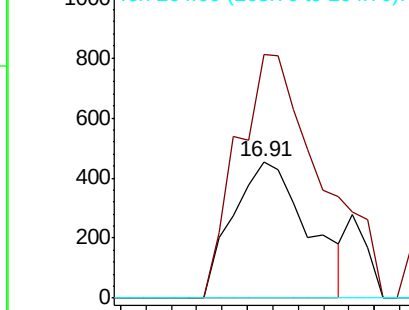


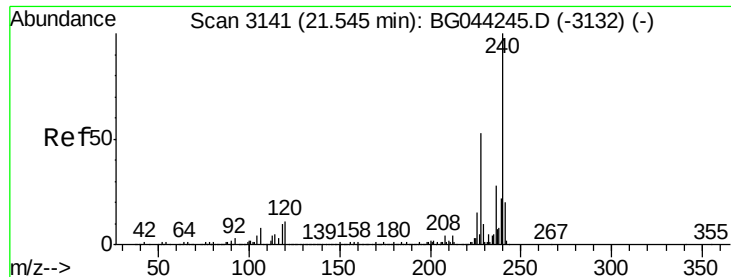
#70
Pentachlorophenol
Concen: 3.398 ng
RT: 16.91 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Tgt Ion:266 Resp: 933
Ion Ratio Lower Upper
266 100
268 178.2 50.6 75.8#
264 0.0 48.7 73.1#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

Instrument :

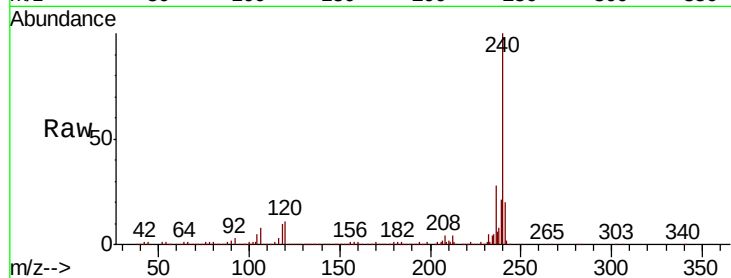
BNA_G

ClientSampleId :

PD-4-(30-32)DL

Tot Ion:240 Resp: 501723

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	27.7	22.1	33.1

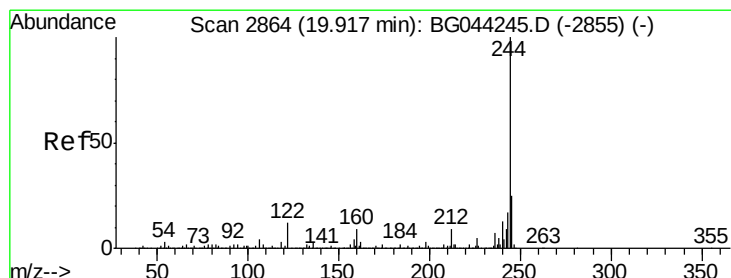
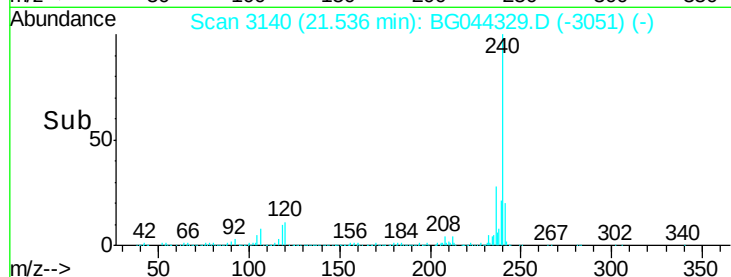
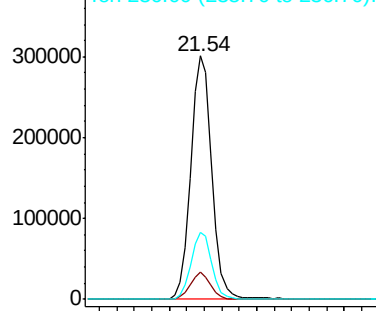


Abundance

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: 46.744 ng

RT: 19.91 min Scan# 2863

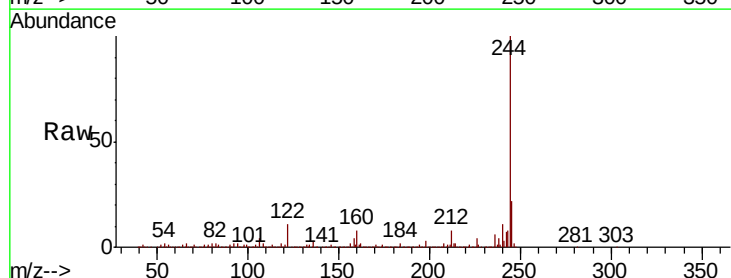
Delta R.T. -0.01 min

Lab File: BG044329.D

Acq: 6 Feb 2020 19:13

Tgt Ion:244 Resp: 1140208

Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.4	11.2
122	10.9	9.8	14.6

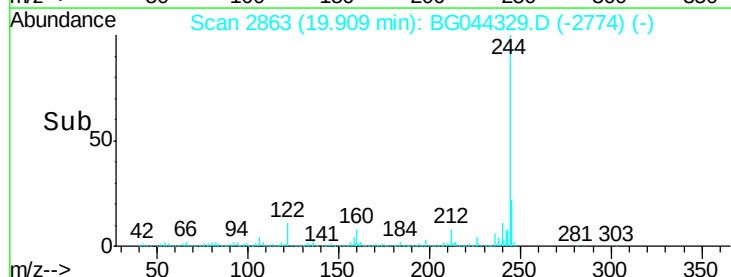
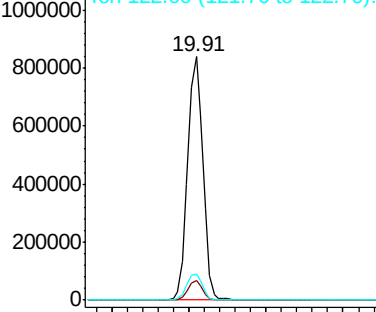


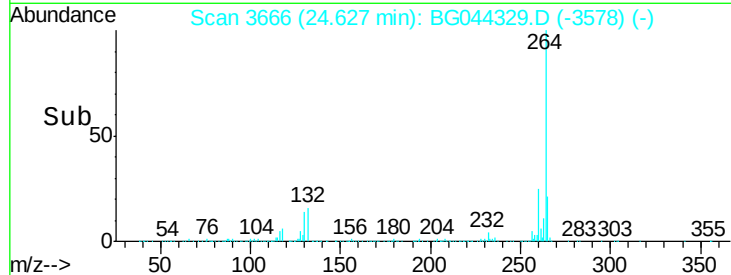
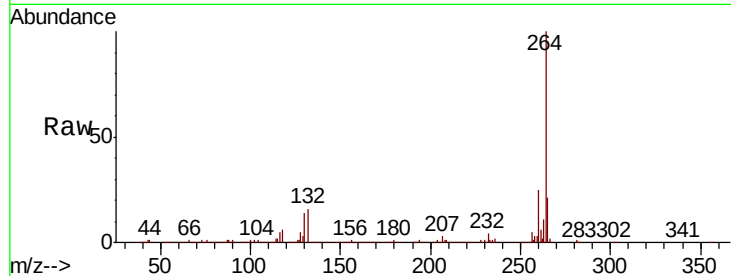
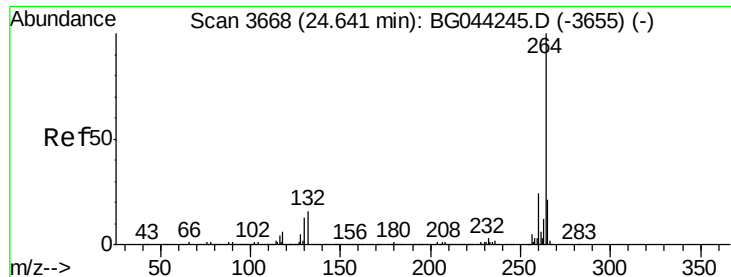
Abundance

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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.63 min Scan# 3666
Delta R.T. -0.01 min
Lab File: BG044329.D
Acq: 6 Feb 2020 19:13

Instrument :
BNA_G
ClientSampleId :
PD-4-(30-32)DL

Tot Ion:	264	Resp:	551501
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	21.2	16.7	25.1

