

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051120\
 Data File : BG045293.D
 Acq On : 11 May 2020 12:44
 Operator : CG/JU
 Sample : PB128758BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128752TB

Quant Time: May 11 13:32:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	61769	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	241428	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	171413	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	402907	20.00	ng	0.00
76) Chrysene-d12	21.63	240	417967	20.00	ng	0.00
87) Perylene-d12	24.81	264	456943	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	686735	183.55	ng	0.00
7) Phenol-d6	7.15	99	975540	175.49	ng	0.00
23) Nitrobenzene-d5	9.14	82	667070	126.07	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	487736	184.18	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1526540	130.58	ng	0.00
79) Terphenyl-d14	19.99	244	2655676	138.49	ng	0.00

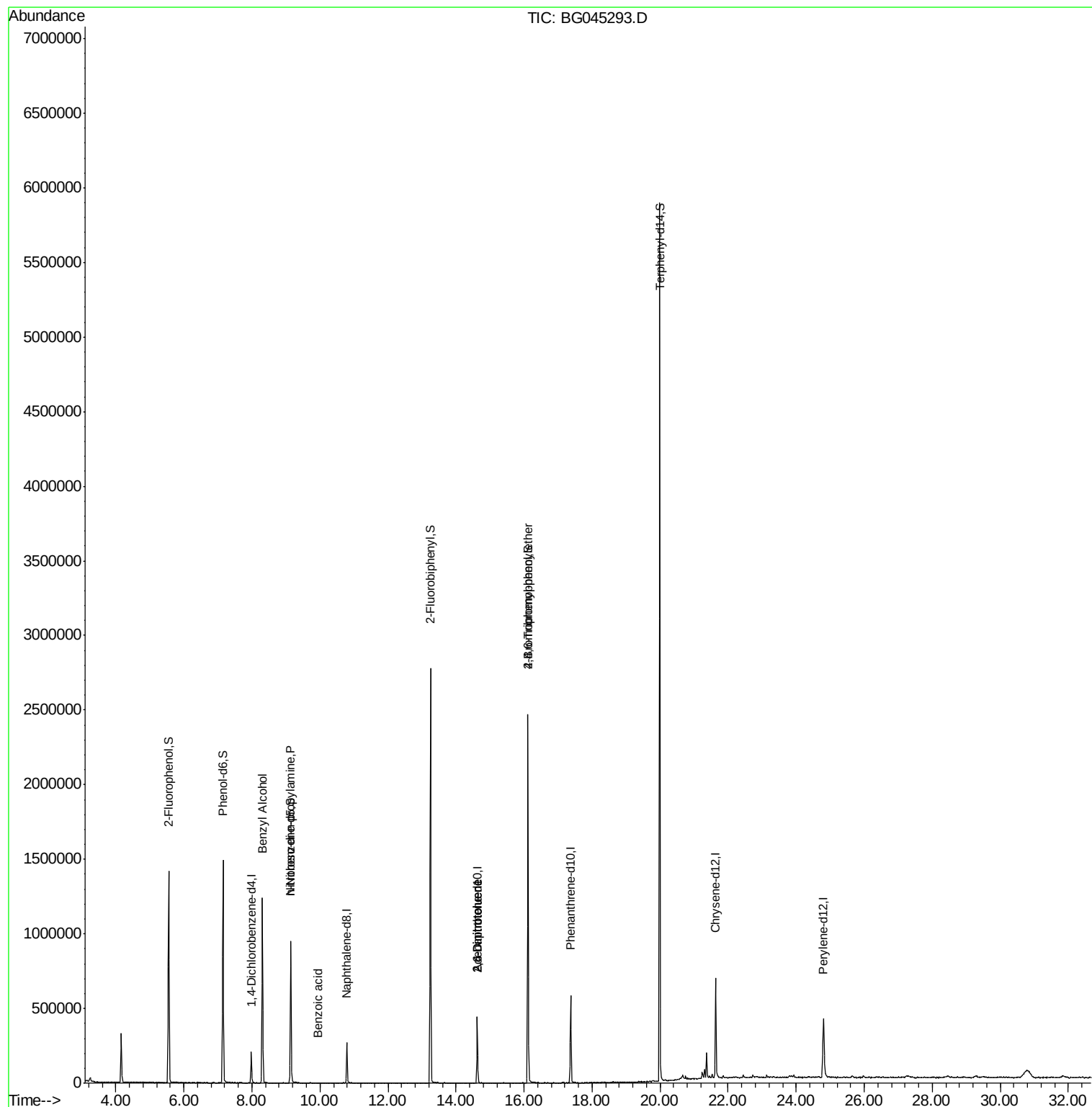
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	1938	Below Cal	#	4
15) Benzyl Alcohol	8.31	79	11715	2.514 ng	#	60
19) n-Nitroso-di-n-propylamine	9.14	70	90114	22.923 ng	#	81
32) Benzoic acid	9.94	122	58	6.391 ng	#	1
51) 2,6-Dinitrotoluene	14.62	165	20476	6.559 ng	#	25
57) 2,4-Dinitrotoluene	14.62	165	20476	4.488 ng	#	23
67) 4-Bromophenyl-phenylether	16.11	248	34715	6.679 ng	#	1
69) Atrazine	16.83	200	60	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	551	Below Cal	#	76
75) Fluoranthene	19.43	202	936	Below Cal	#	62
77) Benzydine	19.61	184	2340	Below Cal	#	91

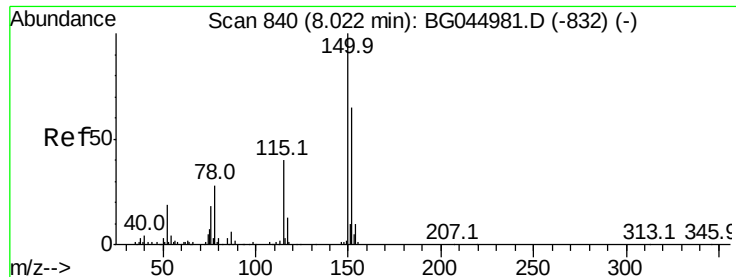
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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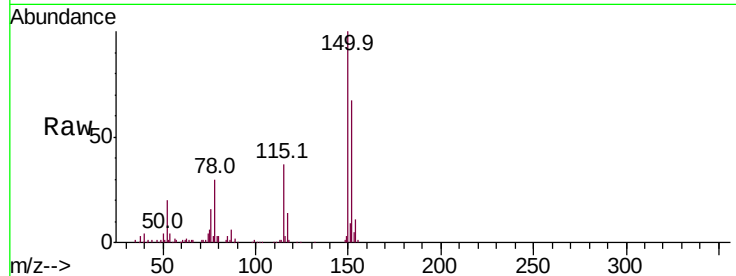


#1

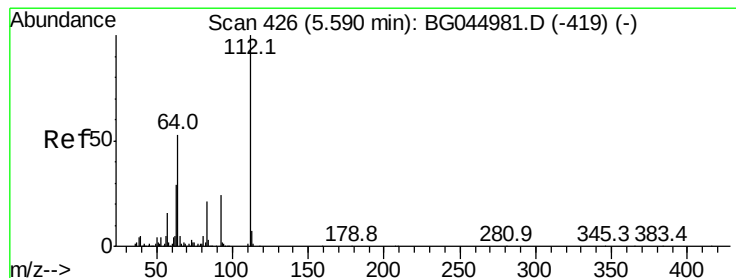
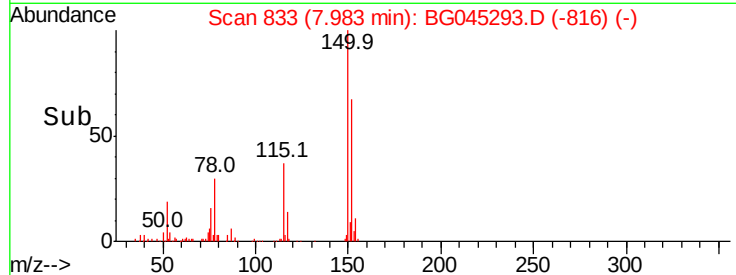
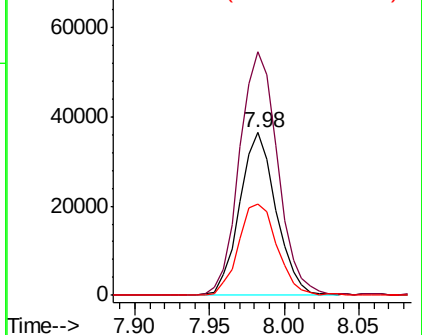
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. 0.00 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

Instrument :
BNA_G
ClientSampleId :
PB128752TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	123.6	185.4
115	56.0	49.1	73.7



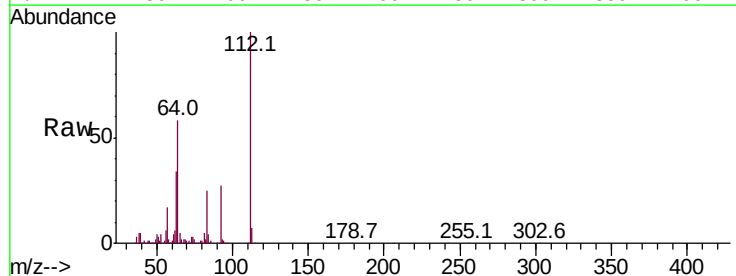
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



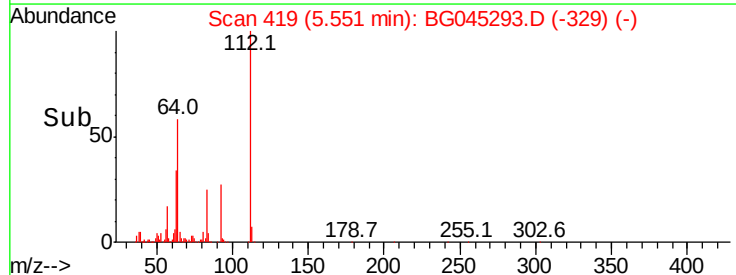
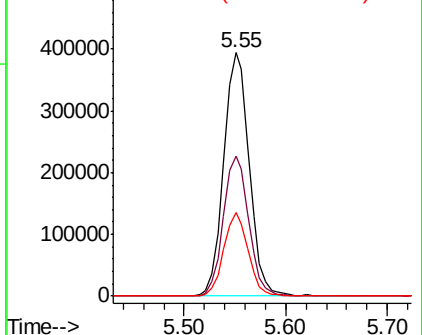
#5

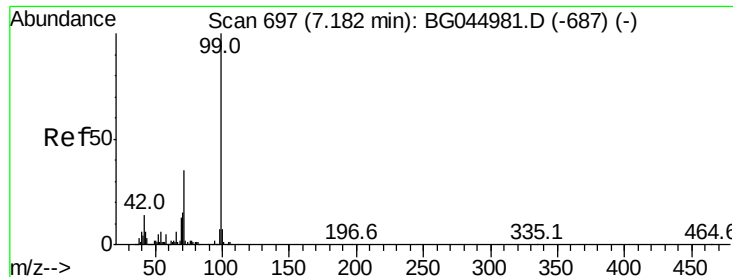
2-Fluorophenol
Concen: 183.549 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.00 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	42.4	63.6
63	34.4	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 175.494 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

Instrument :

BNA_G

ClientSampleId :

PB128752TB

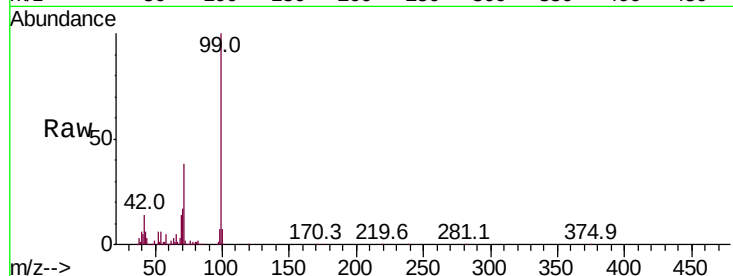
Tot Ion: 99 Resp: 975540

Ion Ratio Lower Upper

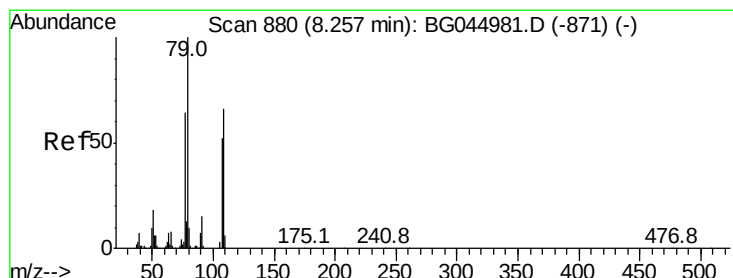
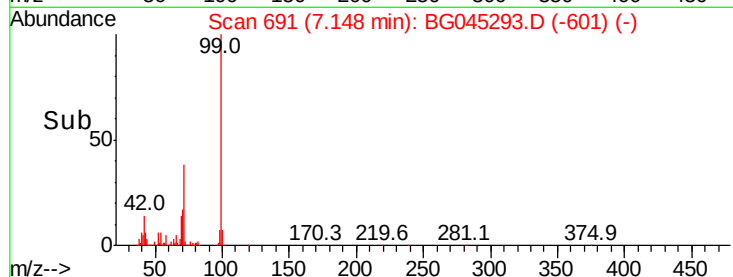
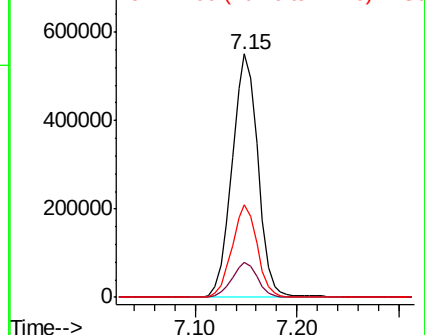
99 100

42 14.4 11.3 16.9

71 38.0 28.3 42.5



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



#15

Benzyl Alcohol

Concen: 2.514 ng

RT: 8.31 min Scan# 888

Delta R.T. 0.09 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

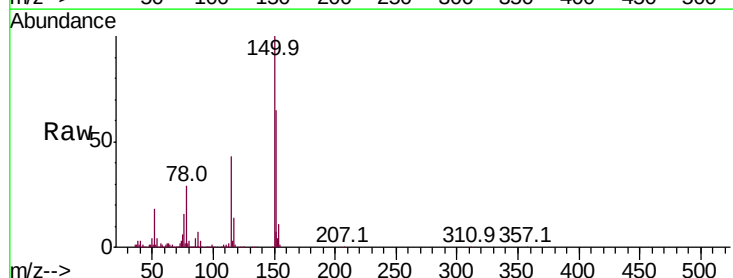
Tgt Ion: 79 Resp: 11715

Ion Ratio Lower Upper

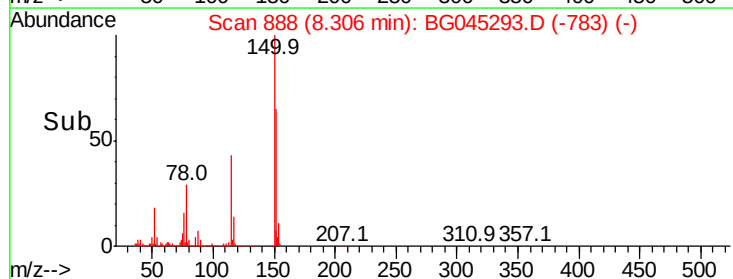
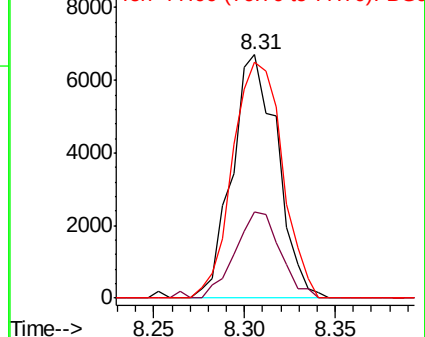
79 100

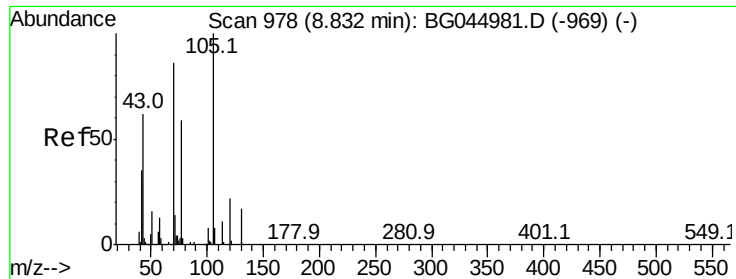
108 35.2 52.7 79.1#

77 96.9 51.3 76.9#



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

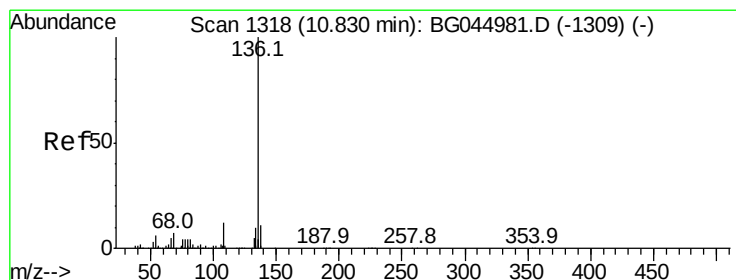
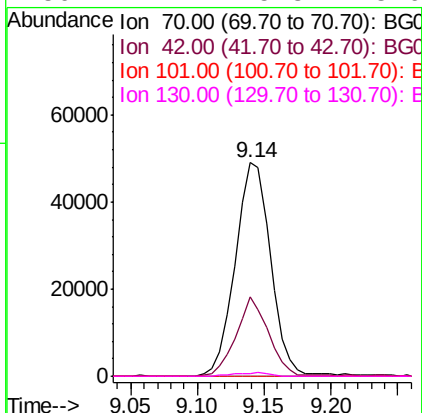
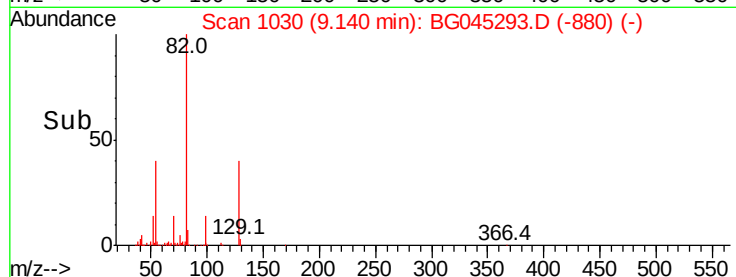
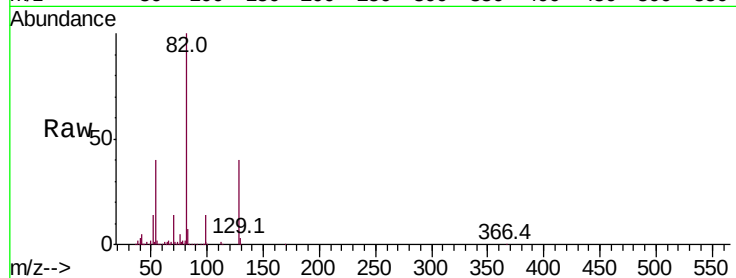




#19
n-Nitroso-di-n-propylamine
Concen: 22.923 ng
RT: 9.14 min Scan# 1030
Delta R.T. 0.35 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

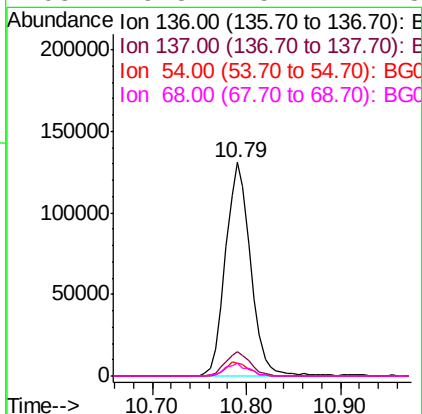
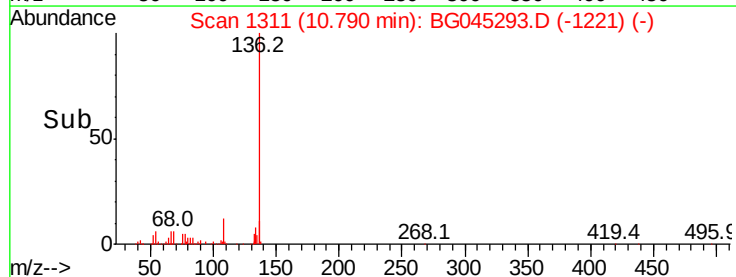
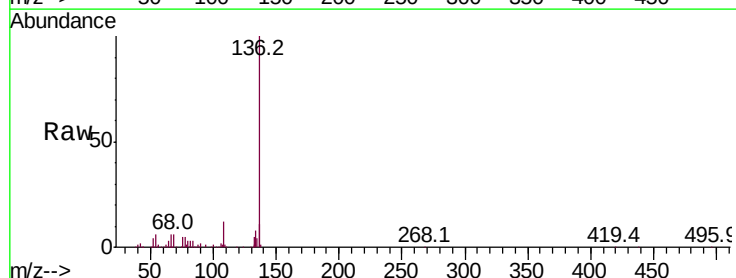
Instrument :
BNA_G
ClientSampleId :
PB128752TB

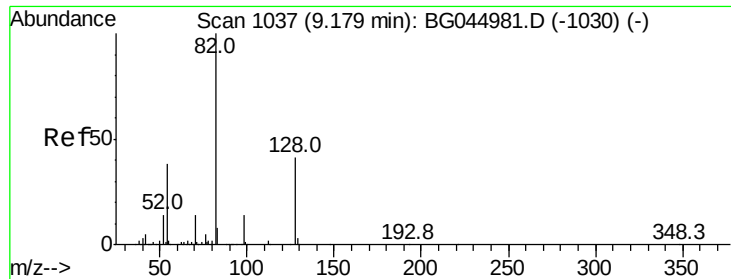
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.0	33.3	49.9
101	0.0	7.8	11.8#
130	1.4	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	6.0	4.8	7.2
68	5.8	5.2	7.8

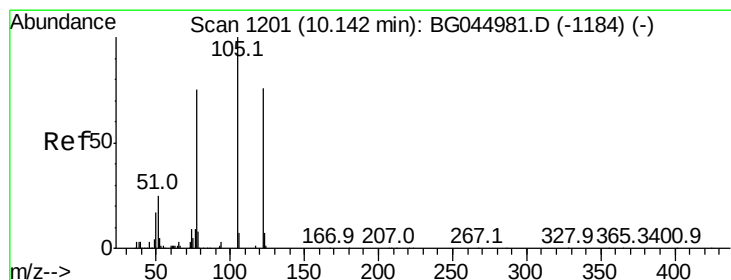
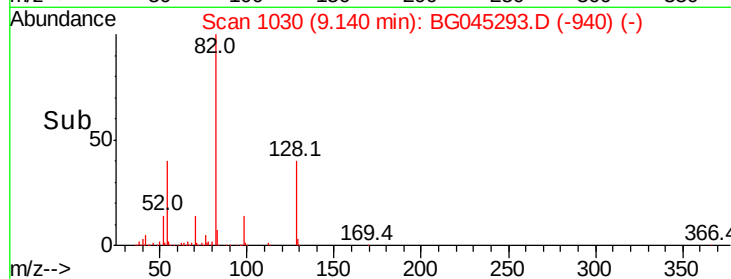
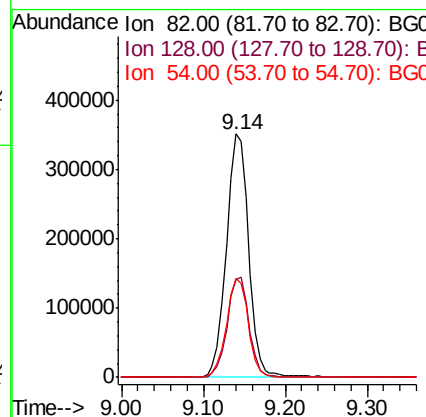
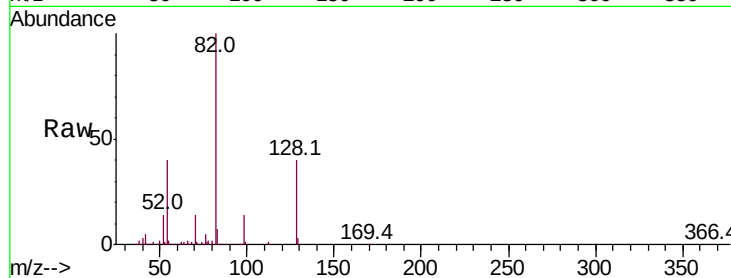




#23
 Nitrobenzene-d5
 Concen: 126.073 ng
 RT: 9.14 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

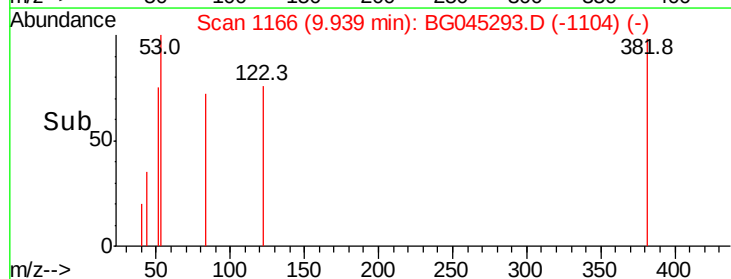
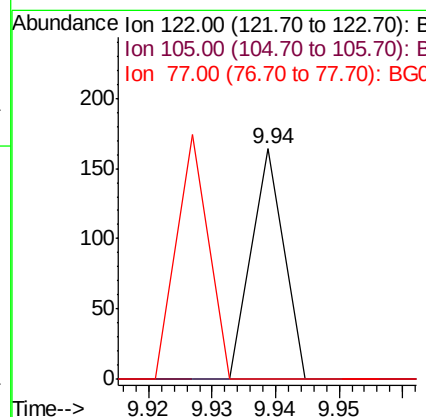
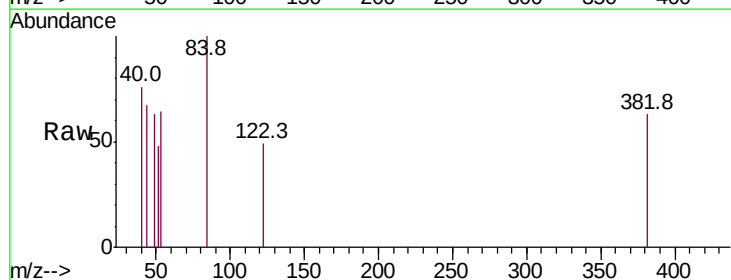
Instrument :
 BNA_G
 ClientSampleId :
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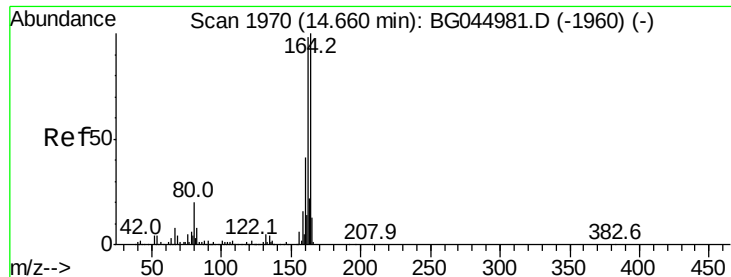
Tot Ion	82	Resp	667070
Ion Ratio	100	Lower	Upper
128	40.3	33.0	49.4
54	40.5	30.4	45.6



#32
 Benzoic acid
 Concen: 6.391 ng
 RT: 9.94 min Scan# 1166
 Delta R.T. -0.16 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

Tgt Ion	122	Resp	58
Ion Ratio	100	Lower	Upper
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

Instrument :

BNA_G

ClientSampleId :

PB128752TB

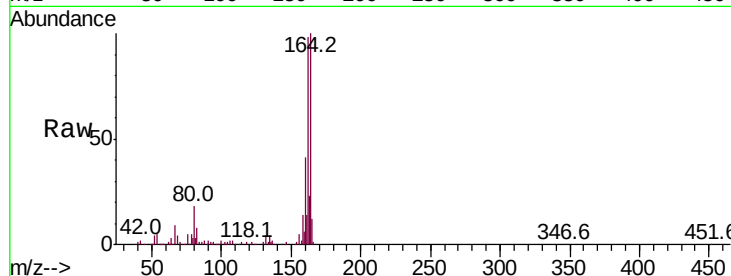
Tot Ion:164 Resp: 171413

Ion Ratio Lower Upper

164 100

162 97.9 78.7 118.1

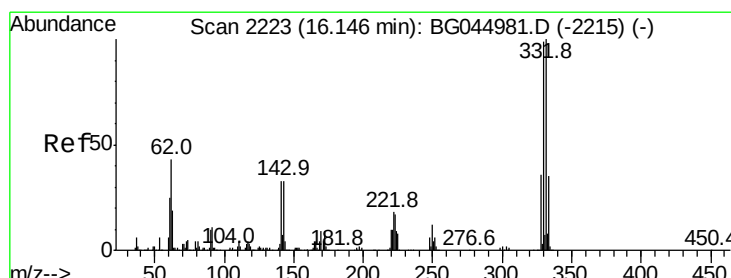
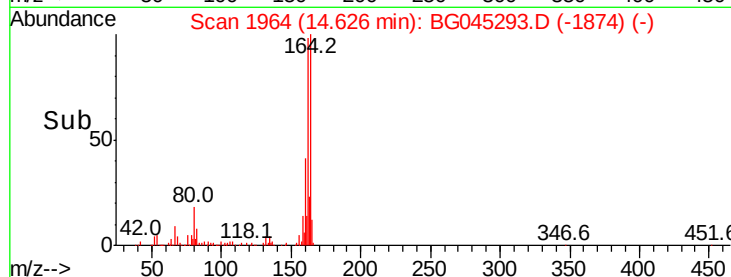
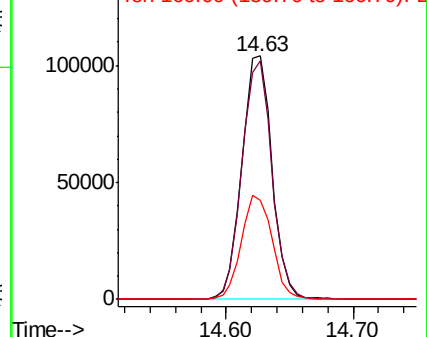
160 40.9 32.8 49.2



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: 184.183 ng

RT: 16.12 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

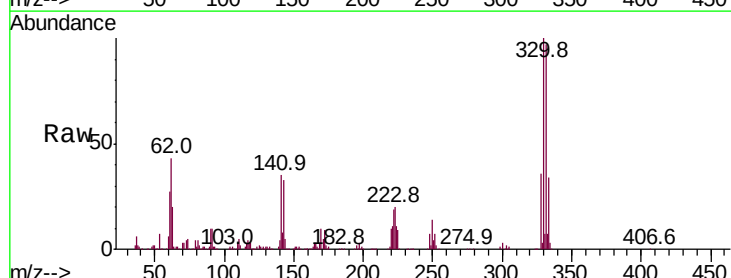
Tgt Ion:330 Resp: 487736

Ion Ratio Lower Upper

330 100

332 98.6 79.1 118.7

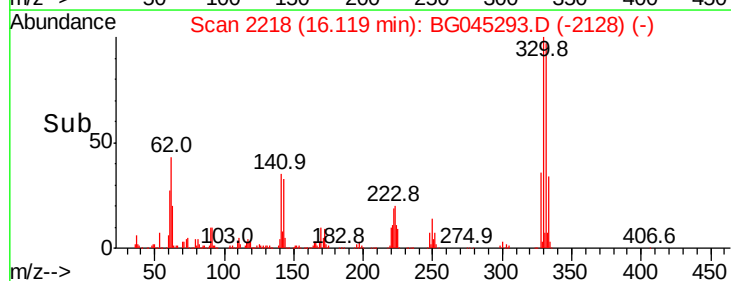
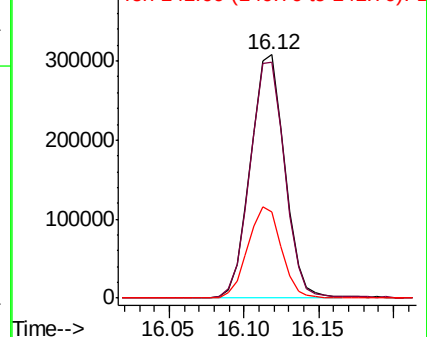
141 37.1 27.1 40.7

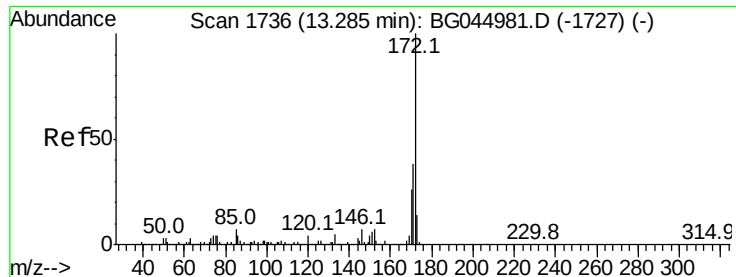


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

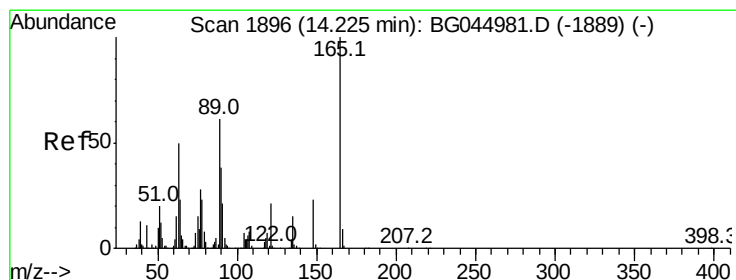
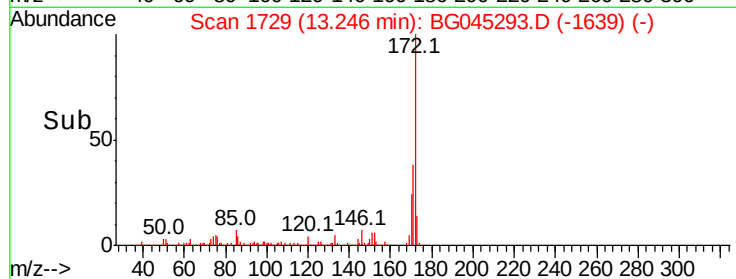
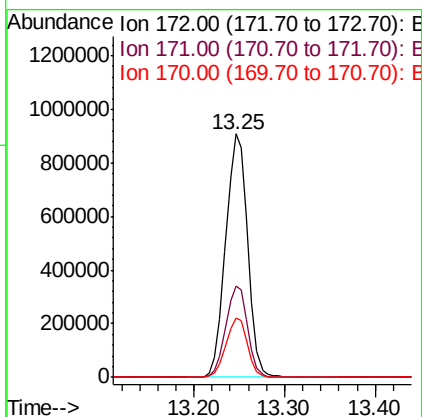
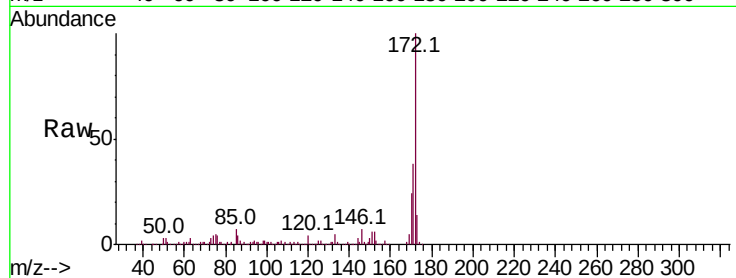




#45
 2-Fluorobiphenyl
 Concen: 130.585 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

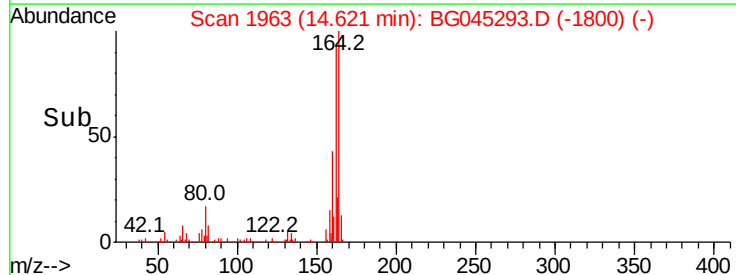
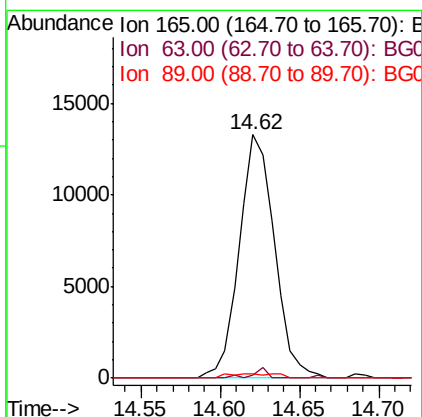
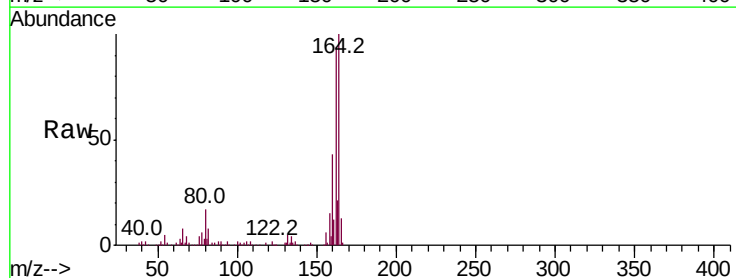
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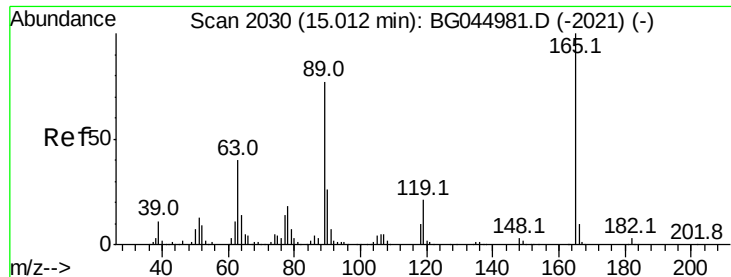
Tot Ion:172 Resp: 1526540
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.6 46.0
 170 24.5 20.5 30.7



#51
 2,6-Dinitrotoluene
 Concen: 6.559 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.43 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

Tgt Ion:165 Resp: 20476
 Ion Ratio Lower Upper
 165 100
 63 1.3 40.4 60.6#
 89 1.7 49.1 73.7#

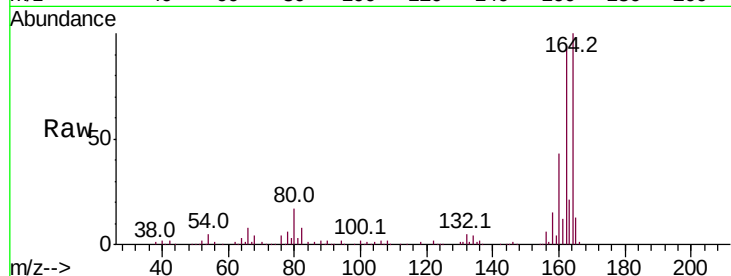




#57
 2,4-Dinitrotoluene
 Concen: 4.488 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.36 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

Instrument :
 BNA_G
 ClientSampleId :
 PB128752TB

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.2	48.2#
89	1.7	61.7	92.5#
182	0.0	2.0	3.0#



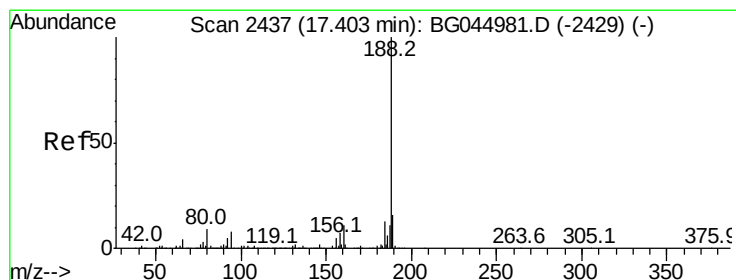
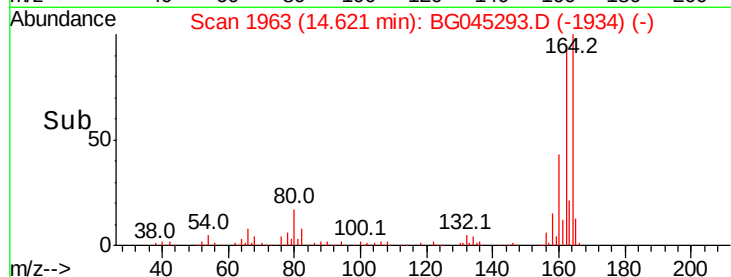
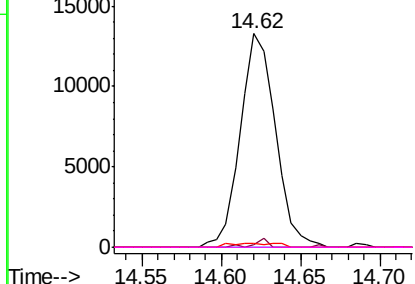
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

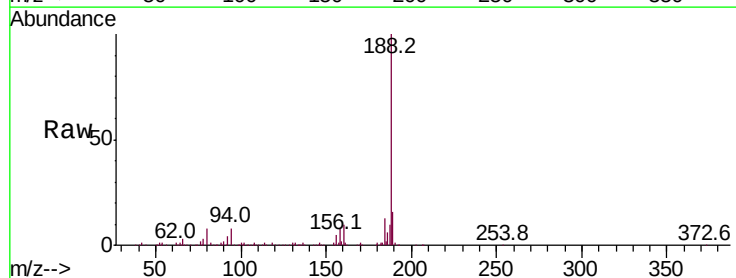
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG045293.D
 Acq: 11 May 2020 12:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.2	9.4
80	7.7	7.0	10.6

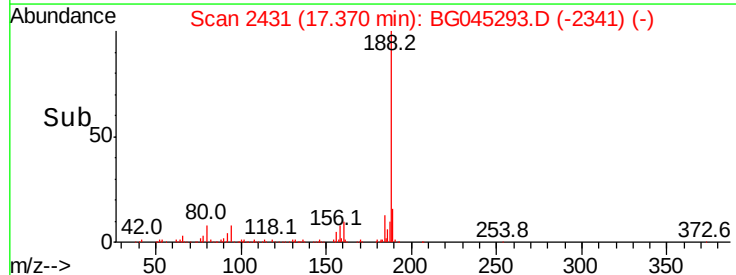
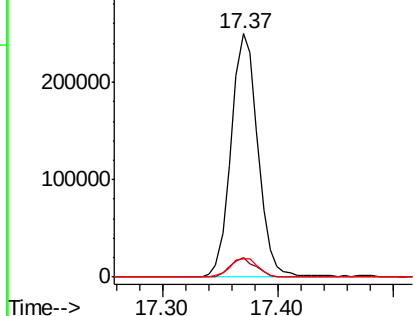


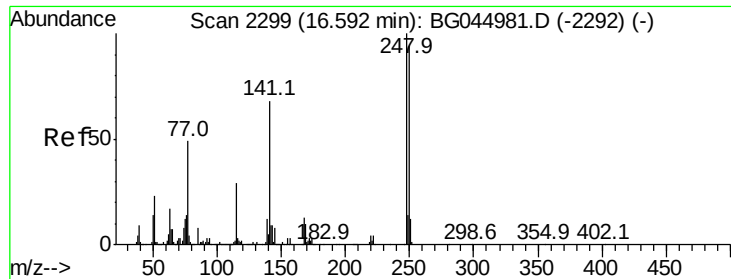
Abundance

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

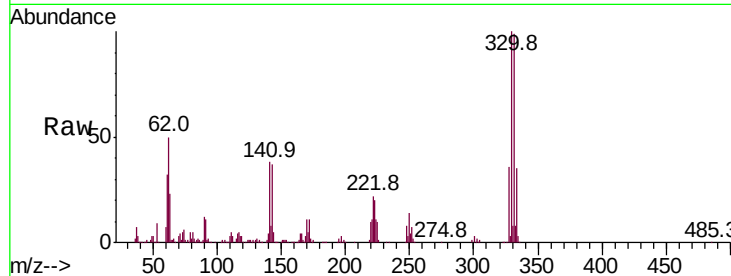




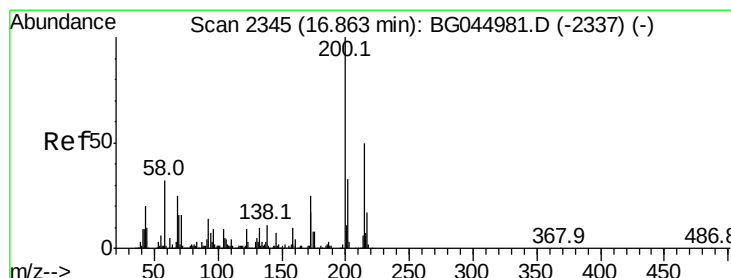
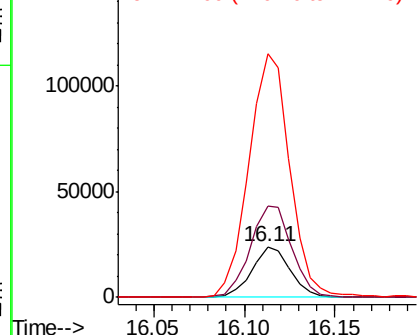
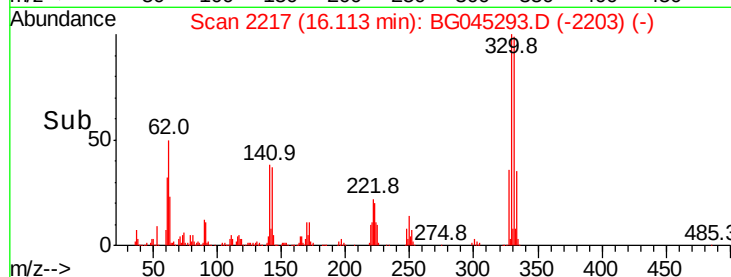
#67
4-Bromophenyl-phenylether
Concen: 6.679 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.45 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

Instrument :
BNA_G
ClientSampleId :
PB128752TB

Tot Ion:248 Resp: 34715
Ion Ratio Lower Upper
248 100
250 181.8 75.4 113.2#
141 482.7 54.4 81.6#

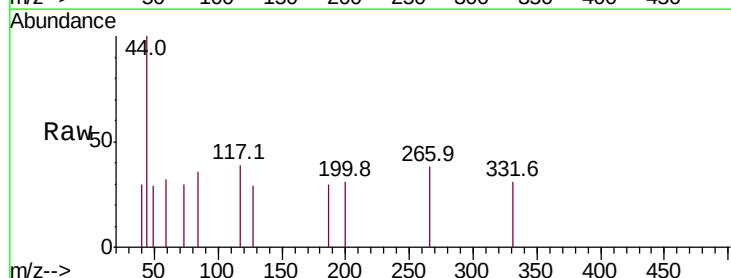


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

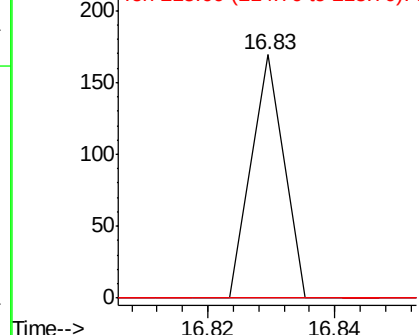
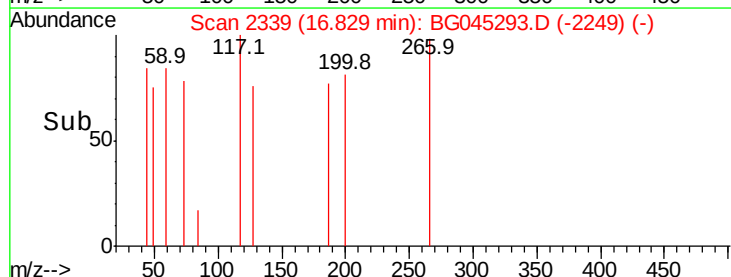


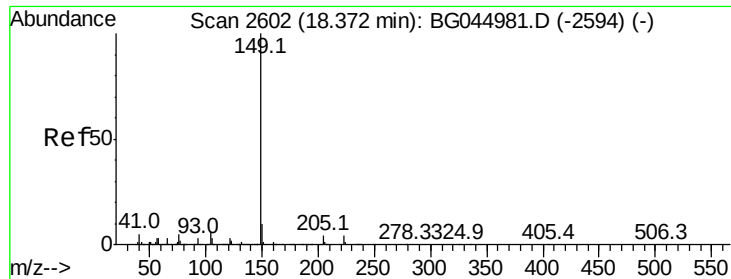
#69
Atrazine
Concen: Below Cal
RT: 16.83 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BG045293.D
Acq: 11 May 2020 12:44

Tgt Ion:200 Resp: 60
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.01 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

Instrument :

BNA_G

ClientSampleId :

PB128752TB

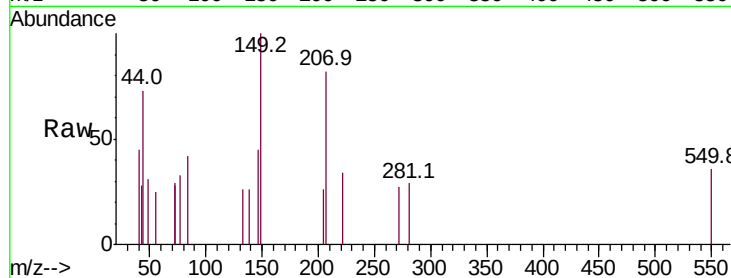
Tot Ion:149 Resp: 551

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

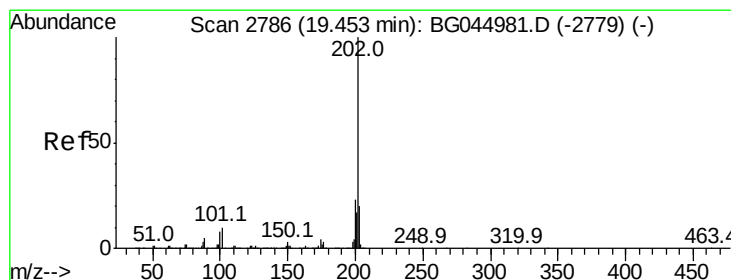
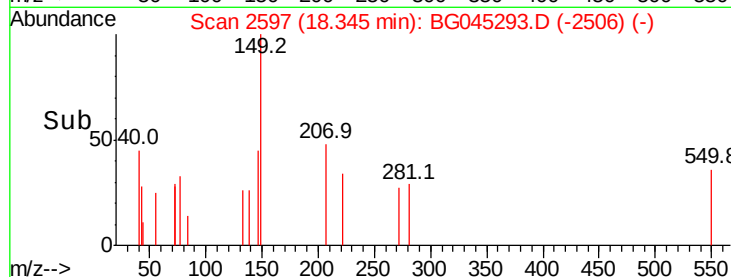
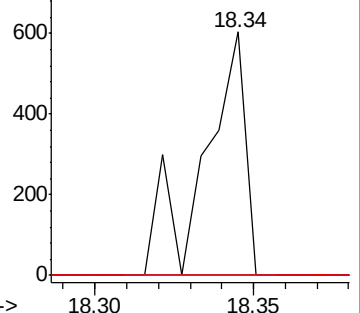
104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. 0.01 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

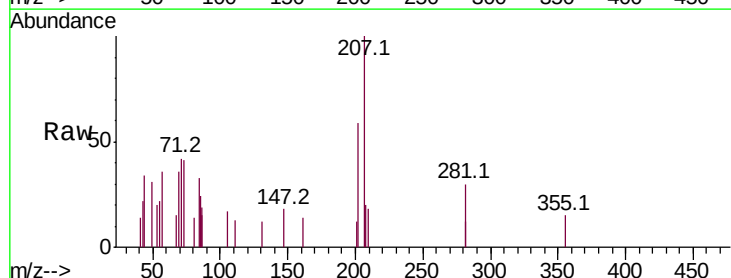
Tgt Ion:202 Resp: 936

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

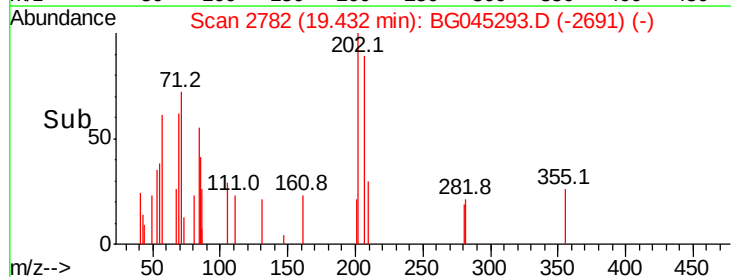
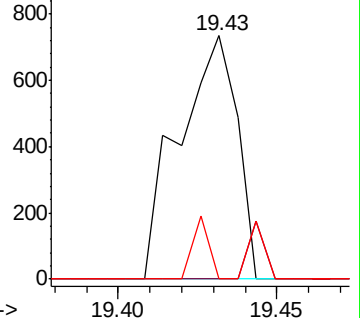
203 0.0 0.0 39.7

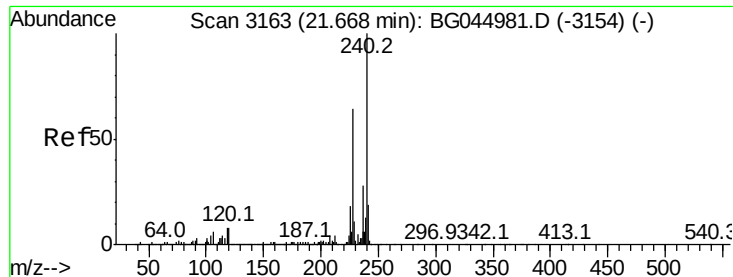


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

Instrument :

BNA_G

ClientSampleId :

PB128752TB

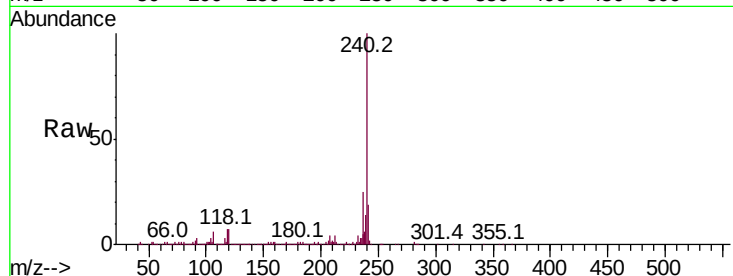
Tot Ion:240 Resp: 417967

Ion Ratio Lower Upper

240 100

120 7.3 6.6 10.0

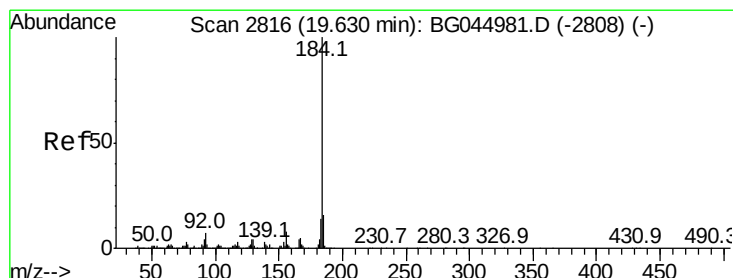
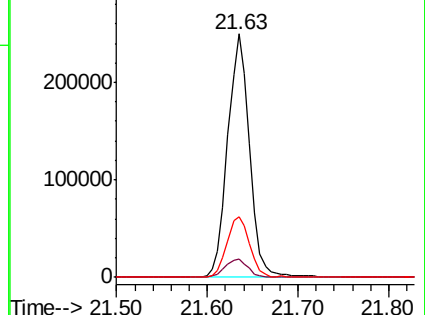
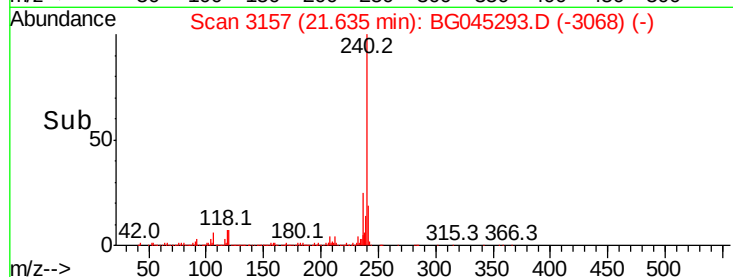
236 25.1 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.61 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

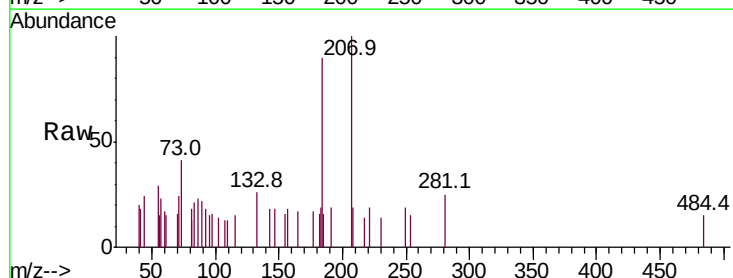
Tgt Ion:184 Resp: 2340

Ion Ratio Lower Upper

184 100

185 17.4 12.6 19.0

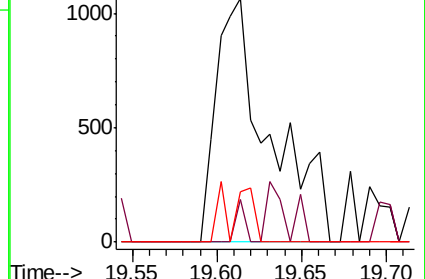
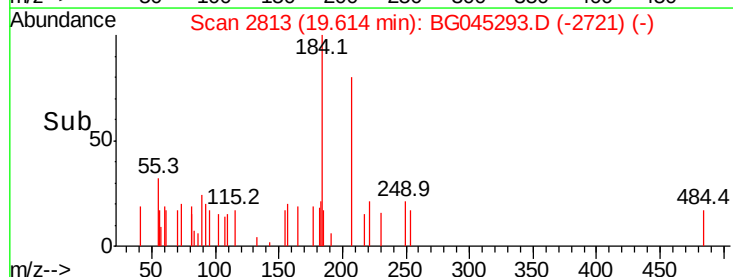
183 20.6 11.3 16.9#

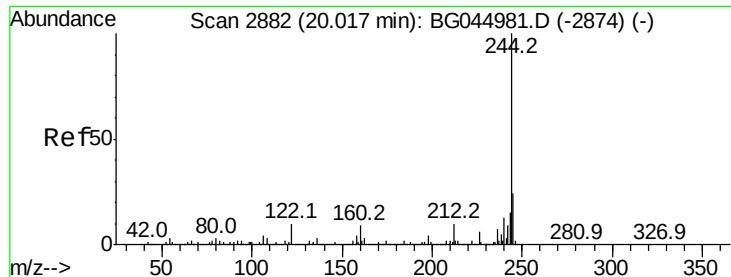


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 138.485 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

Instrument :

BNA_G

ClientSampleId :

PB128752TB

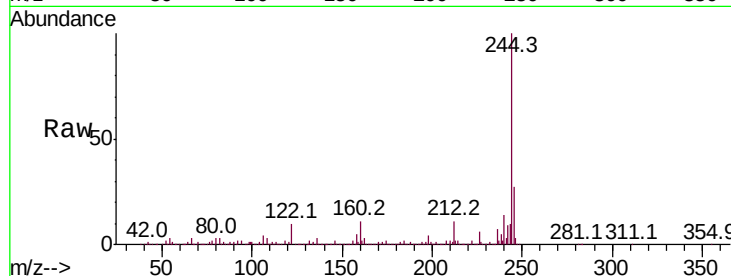
Tot Ion:244 Resp: 2655676

Ion Ratio Lower Upper

244 100

212 11.2 7.9 11.9

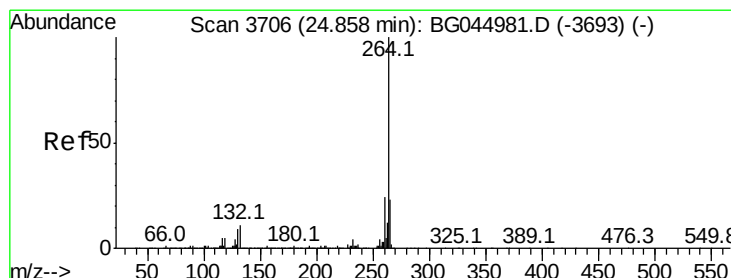
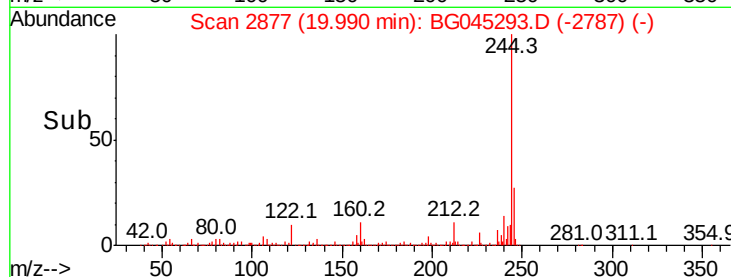
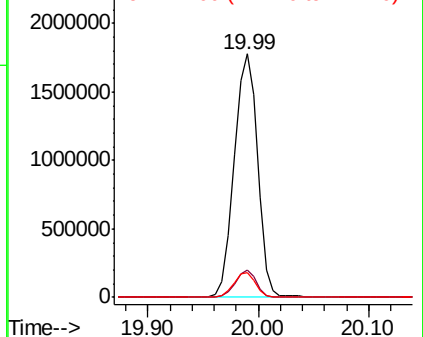
122 10.4 7.7 11.5



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: 24.81 min Scan# 3697

Delta R.T. 0.00 min

Lab File: BG045293.D

Acq: 11 May 2020 12:44

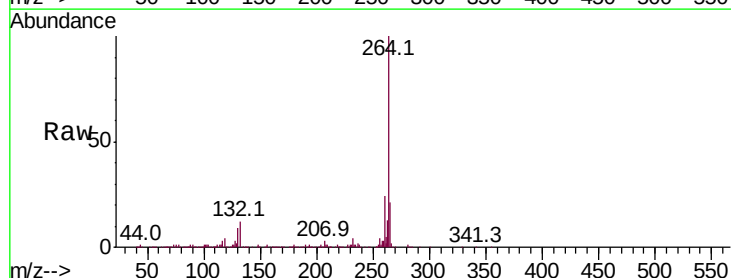
Tgt Ion:264 Resp: 456943

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.1 19.0 28.4



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

