

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043474.D
 Acq On : 1 Nov 2019 20:32
 Operator : JU
 Sample : K5138-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-103019

Quant Time: Nov 22 05:37:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

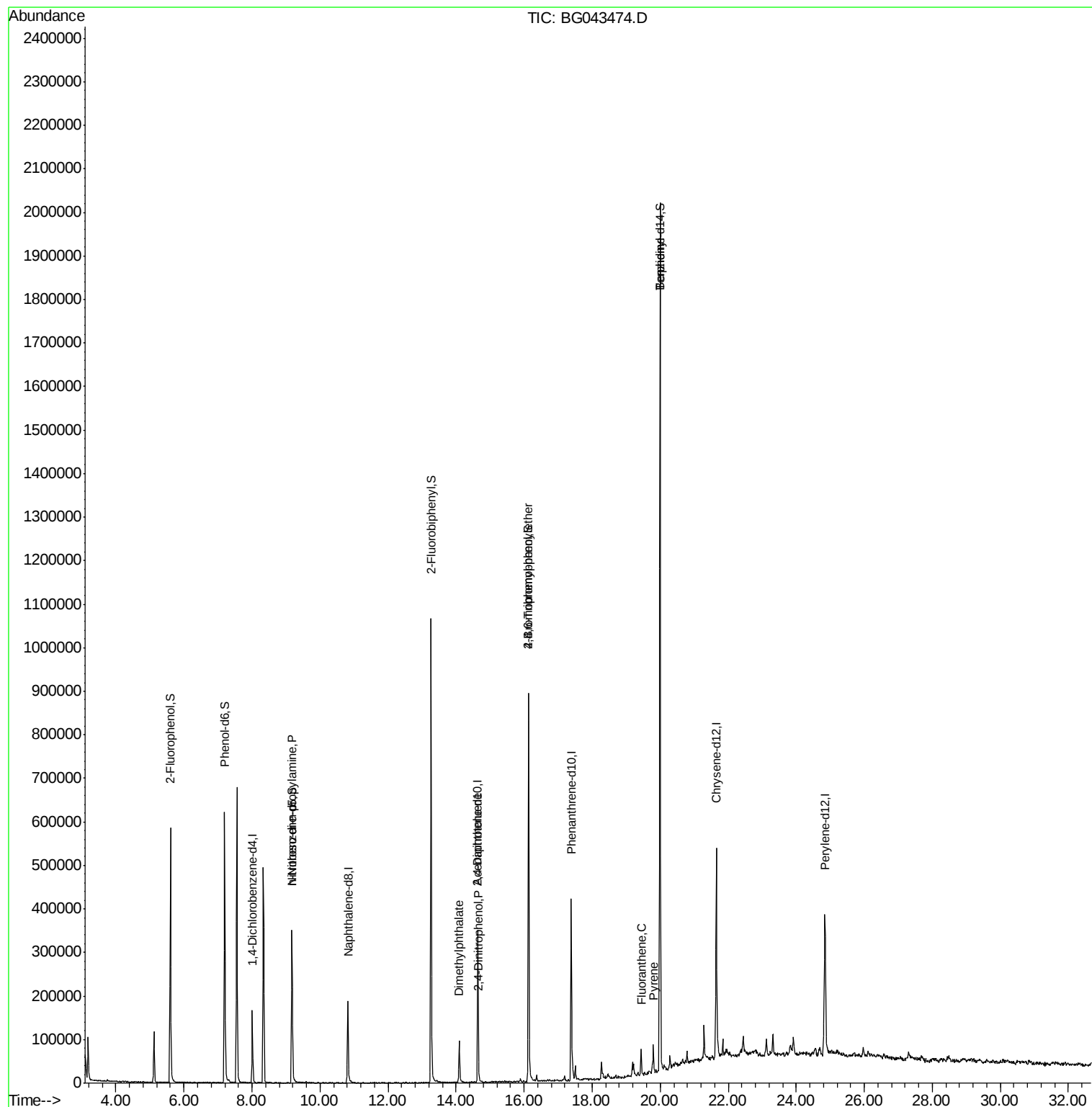
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	50725	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	190725	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	132092	20.00	ng	0.02
64) Phenanthrene-d10	17.39	188	297505	20.00	ng	0.02
76) Chrysene-d12	21.65	240	311064	20.00	ng	0.02
87) Perylene-d12	24.85	264	372393	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	281926	101.85	ng	0.02
7) Phenol-d6	7.20	99	402573	101.08	ng	0.02
23) Nitrobenzene-d5	9.18	82	234367	63.35	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	224247	89.21	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	623743	65.25	ng	0.02
79) Terphenyl-d14	20.00	244	1060338	63.95	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	32046	12.452	ng	Qvalue # 70
50) Dimethylphthalate	14.09	163	77102	7.536	ng	99
54) 2,4-Dinitrophenol	14.66	184	55	7.319	ng	# 13
57) 2,4-Dinitrotoluene	14.64	165	18550	5.840	ng	# 26
67) 4-Bromophenyl-phenylether	16.13	248	14282	3.567	ng	# 1
75) Fluoranthene	19.44	202	42674	2.149	ng	96
77) Benzidine	20.00	184	15688	2.506	ng	# 91
78) Pyrene	19.80	202	40206	2.088	ng	98

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

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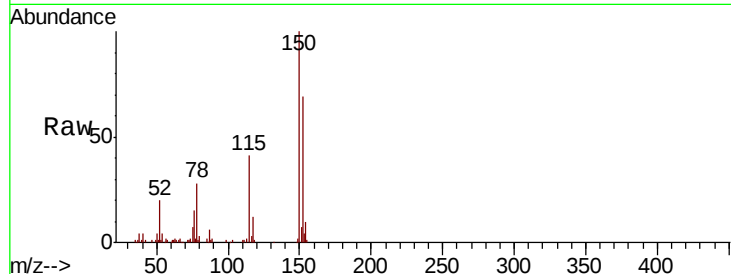


#1

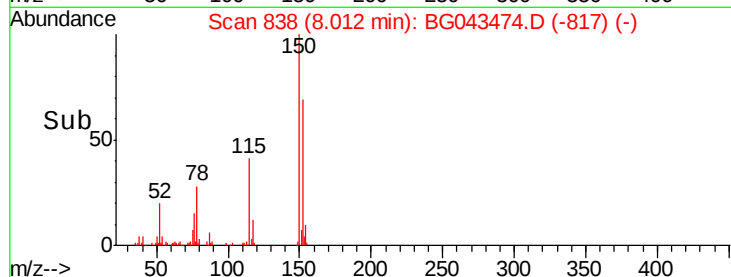
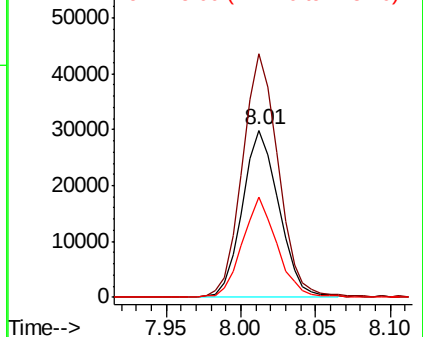
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Instrument :
BNA_G
ClientSampleId :
AU-05-103019

Tot Ion:152 Resp: 50725
Ion Ratio Lower Upper
152 100
150 145.7 116.6 175.0
115 60.0 40.5 60.7



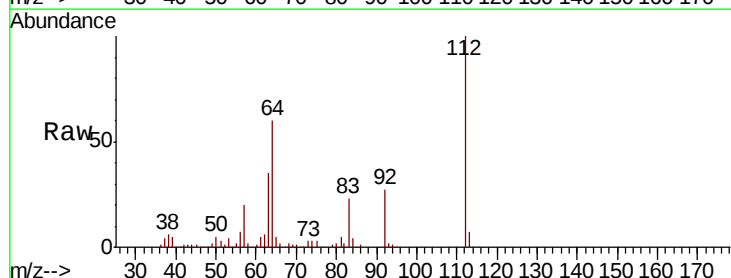
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



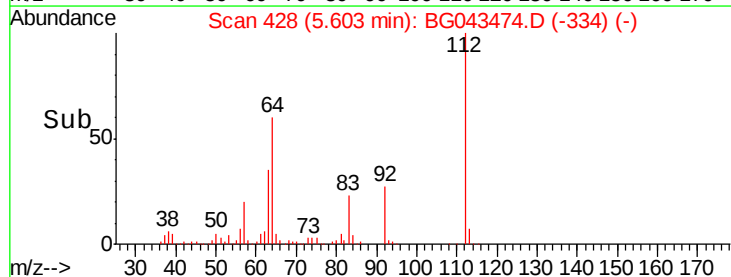
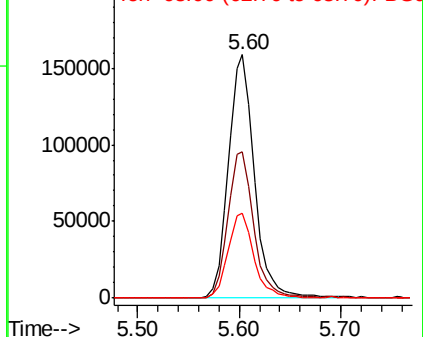
#5

2-Fluorophenol
Concen: 101.846 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:112 Resp: 281926
Ion Ratio Lower Upper
112 100
64 60.1 50.6 75.8
63 34.9 30.5 45.7



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





#7

Phenol-d6

Concen: 101.080 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

BNA_G

ClientSampled :

AU-05-103019

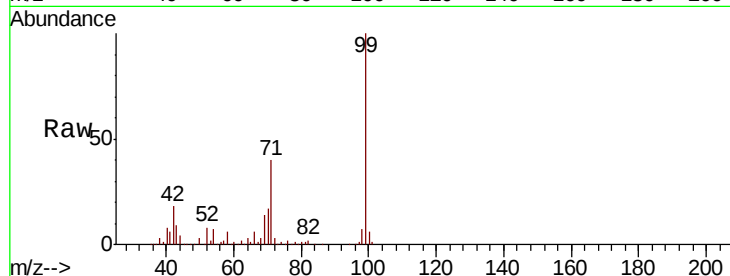
Tot Ion: 99 Resp: 402573

Ion Ratio Lower Upper

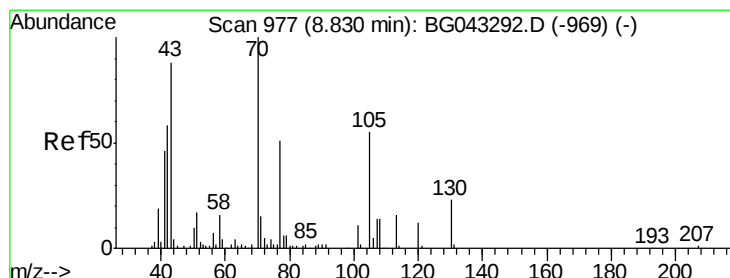
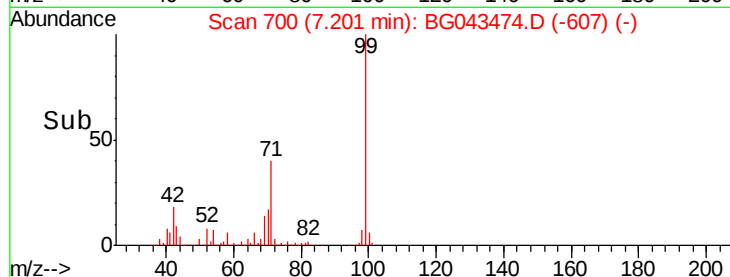
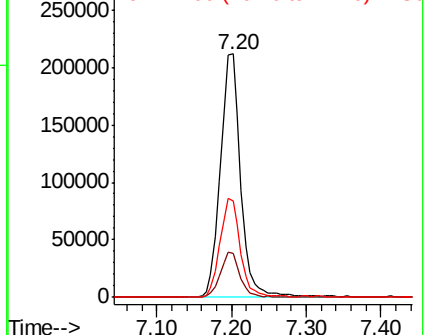
99 100

42 17.9 15.8 23.8

71 39.8 34.4 51.6



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: 12.452 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Tgt Ion: 70 Resp: 32046

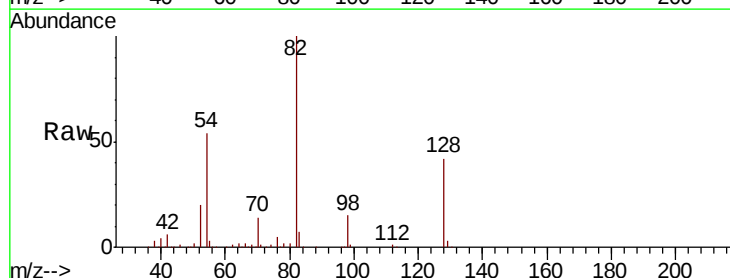
Ion Ratio Lower Upper

70 100

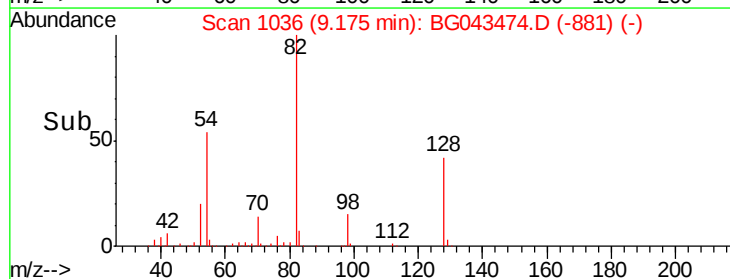
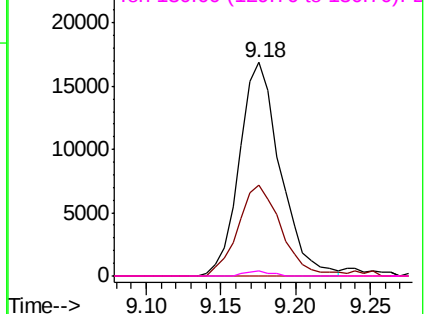
42 42.8 49.7 74.5#

101 0.0 9.7 14.5#

130 2.3 17.7 26.5#



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

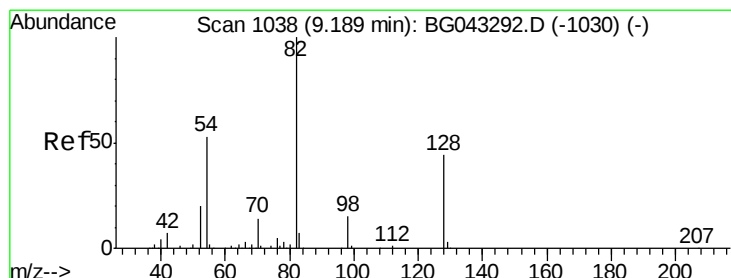
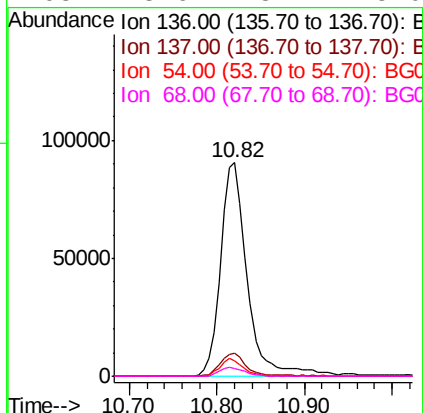
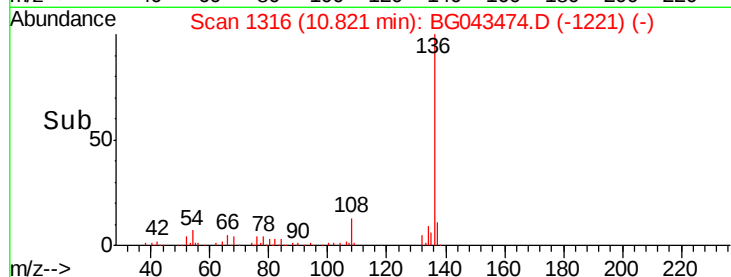
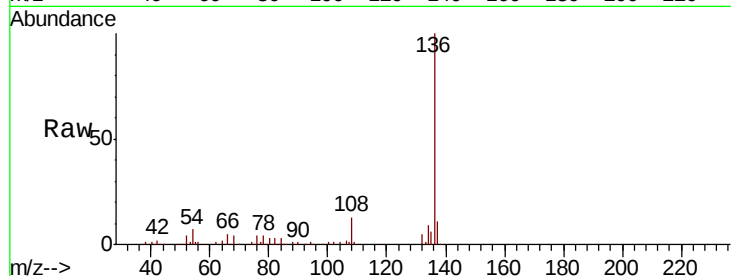




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

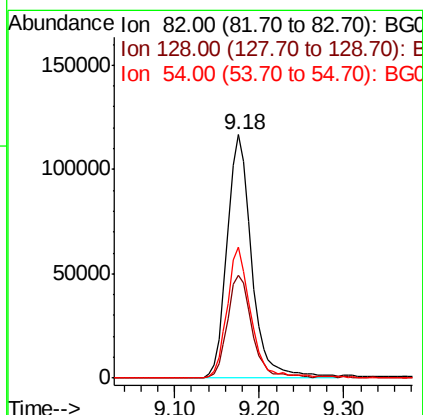
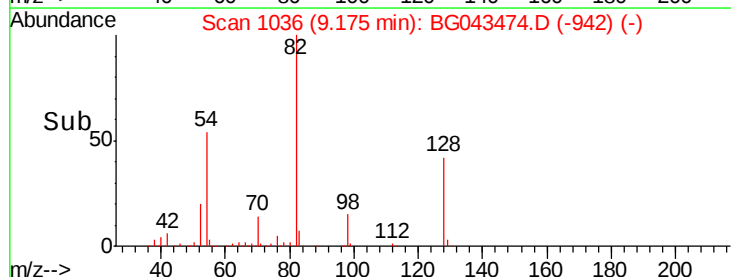
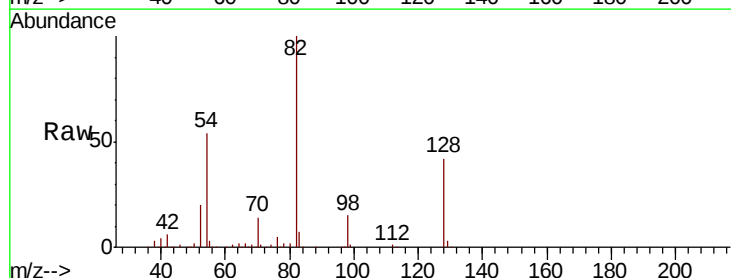
Instrument :
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AU-05-103019

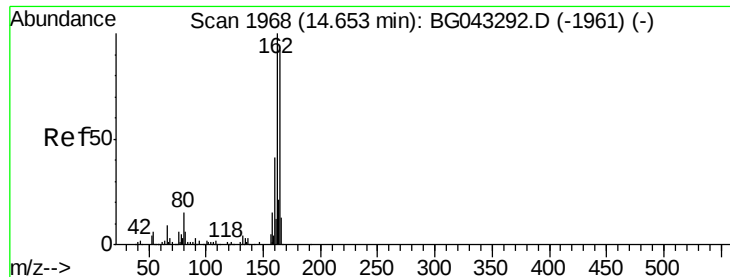
Tot Ion:136	Resp:	190725
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	7.1	6.2 9.2
68	3.6	3.4 5.0



#23
Nitrobenzene-d5
Concen: 63.351 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion: 82	Resp:	234367
Ion	Ratio	Lower Upper
82	100	
128	42.0	34.2 51.4
54	54.0	44.7 67.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

BNA_G

ClientSampleId :

AU-05-103019

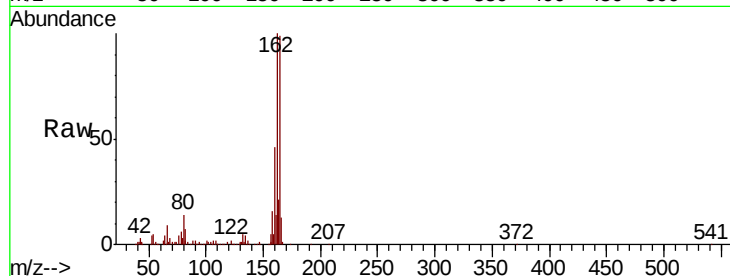
Tot Ion:164 Resp: 132092

Ion Ratio Lower Upper

164 100

162 101.1 79.4 119.2

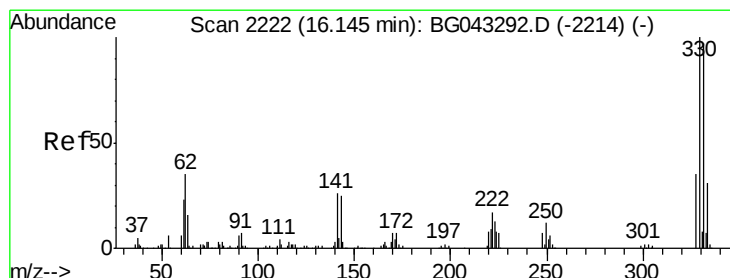
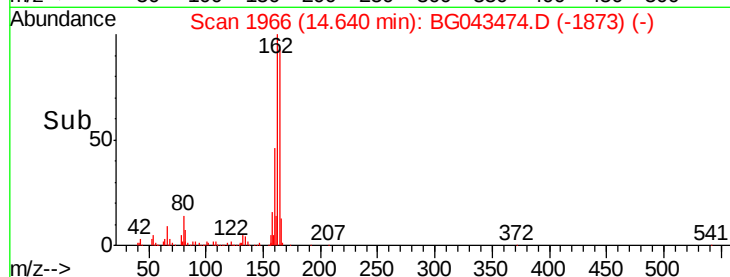
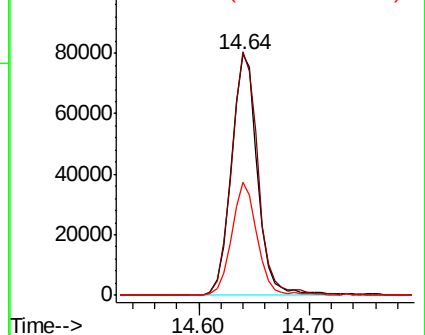
160 46.9 36.3 54.5



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: 89.209 ng

RT: 16.13 min Scan# 2220

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

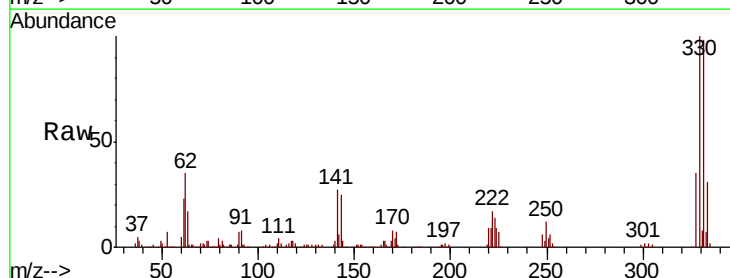
Tgt Ion:330 Resp: 224247

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

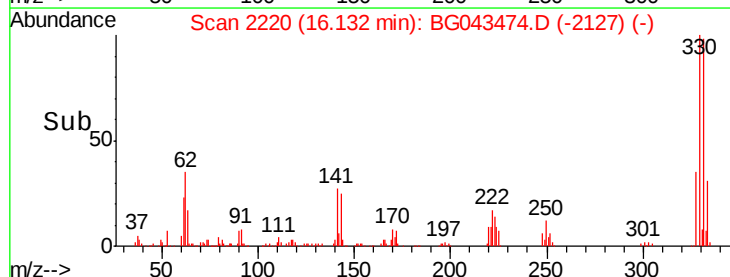
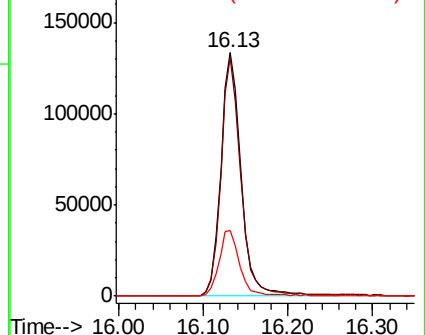
141 27.6 23.4 35.2

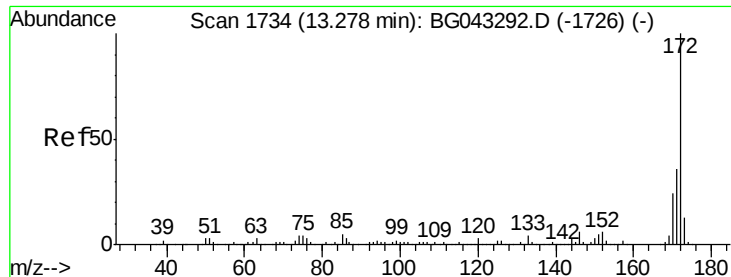


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

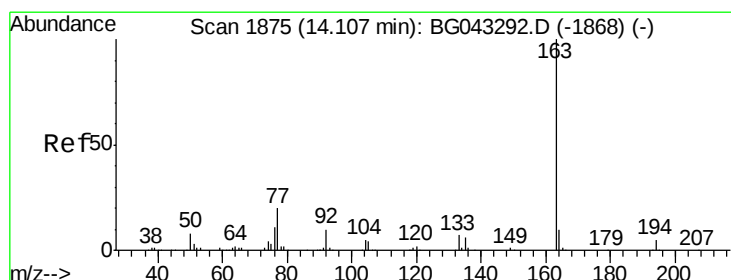
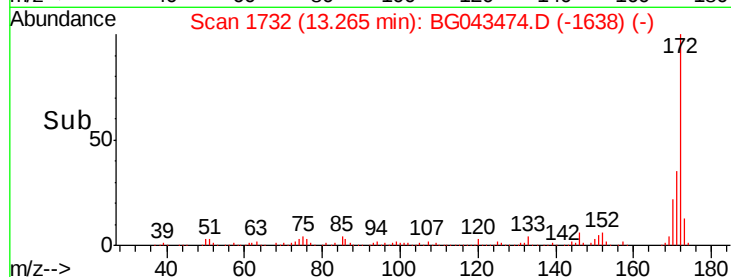
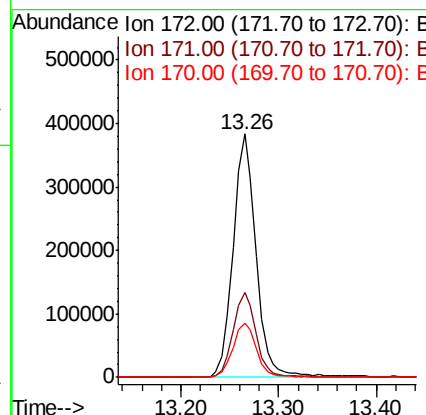
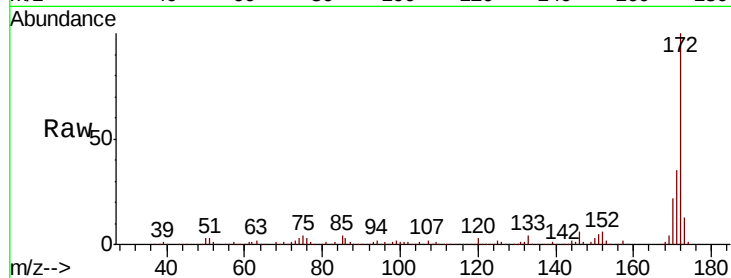




#45
2-Fluorobiphenyl
Concen: 65.249 ng
RT: 13.26 min Scan# 1732
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

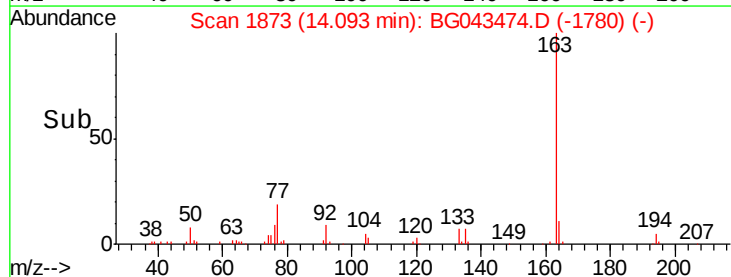
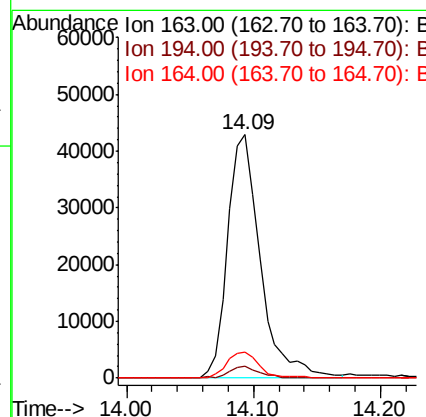
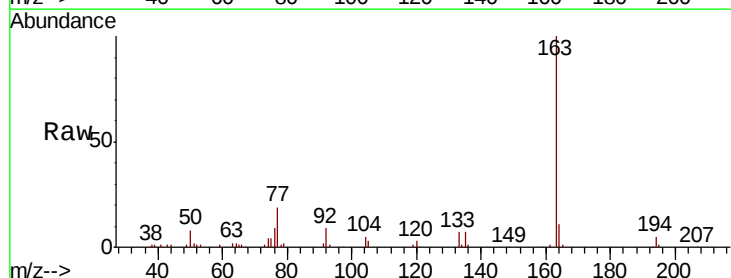
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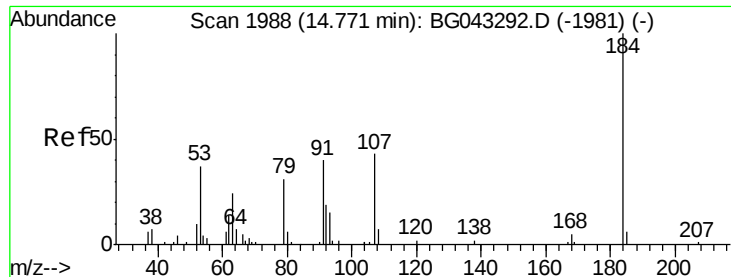
Tot Ion:172 Resp: 623743
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.5 18.8 28.2



#50
Dimethylphthalate
Concen: 7.536 ng
RT: 14.09 min Scan# 1873
Delta R.T. 0.02 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:163 Resp: 77102
Ion Ratio Lower Upper
163 100
194 4.7 3.8 5.8
164 10.8 8.5 12.7

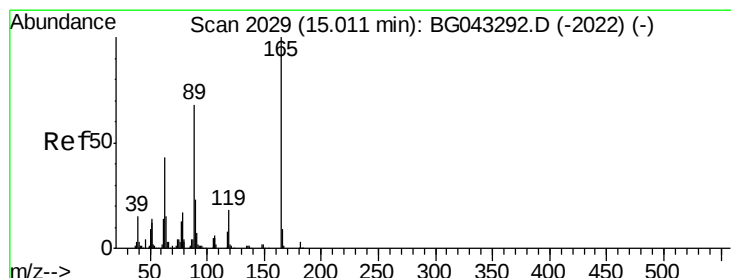
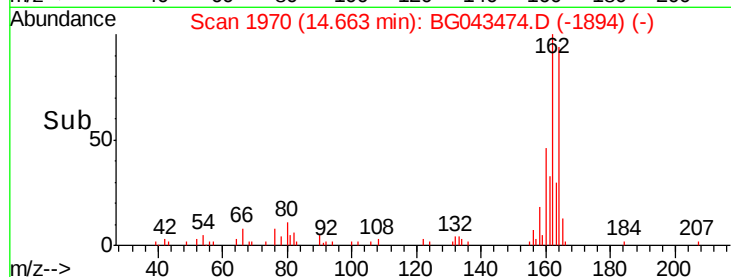
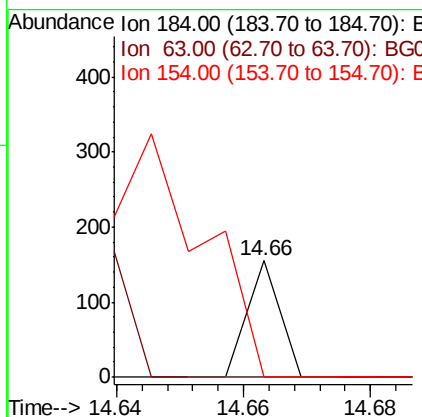
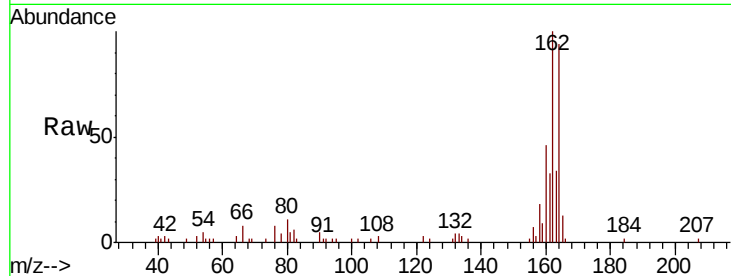




#54
2,4-Dinitrophenol
Concen: 7.319 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.08 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

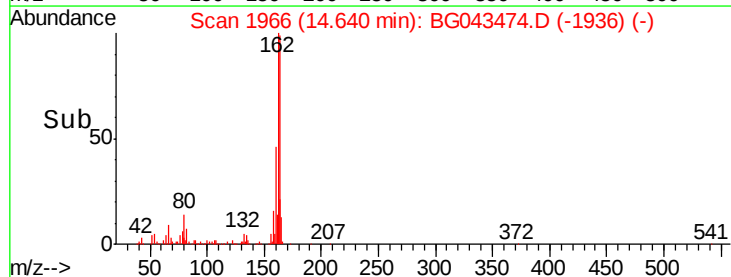
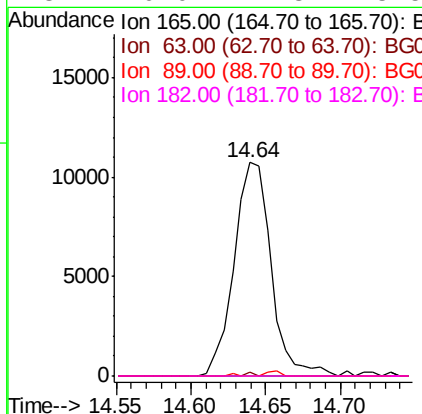
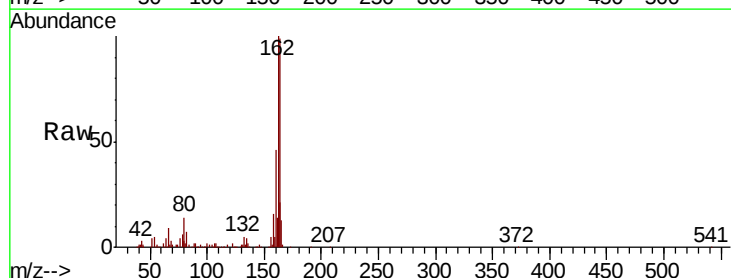
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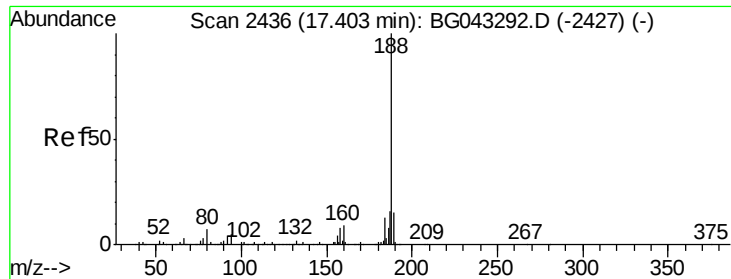
Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 59.0 88.4#
154 0.0 57.4 86.2#



#57
2,4-Dinitrotoluene
Concen: 5.840 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.35 min
Lab File: BG043474.D
Acq: 1 Nov 2019 20:32

Tgt Ion:165 Resp: 18550
Ion Ratio Lower Upper
165 100
63 1.6 37.4 56.0#
89 0.0 50.9 76.3#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

BNA_G

ClientSampleId :

AU-05-103019

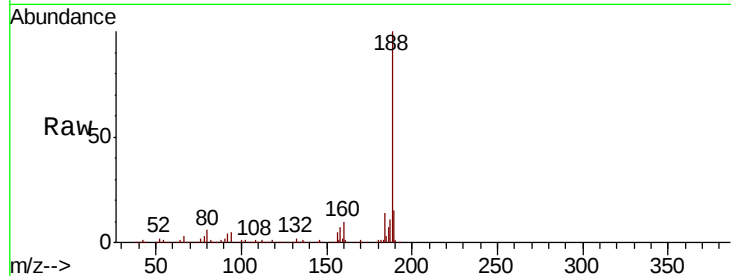
Tot Ion:188 Resp: 297505

Ion Ratio Lower Upper

188 100

94 5.3 4.6 7.0

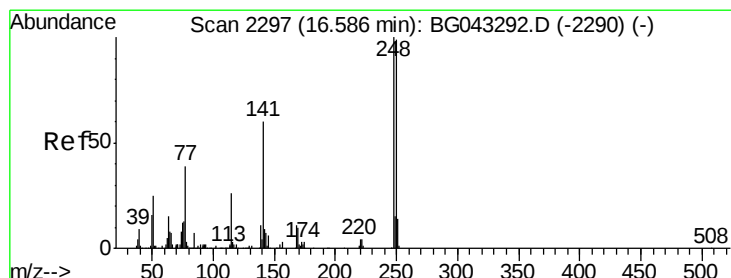
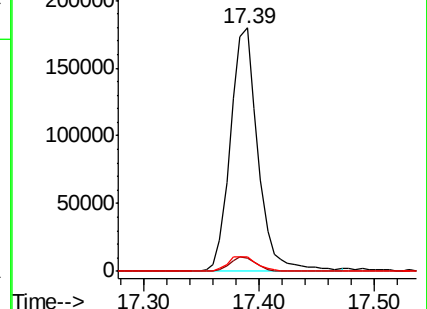
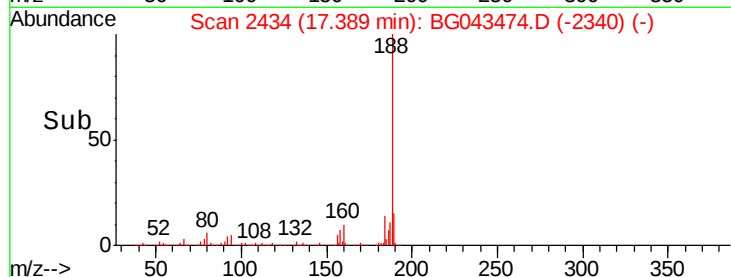
80 6.0 5.2 7.8



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: 3.567 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.42 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

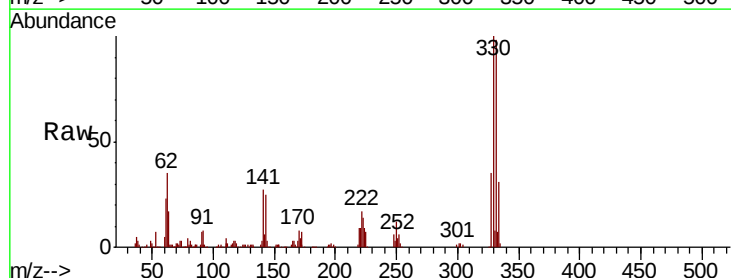
Tgt Ion:248 Resp: 14282

Ion Ratio Lower Upper

248 100

250 192.0 76.3 114.5#

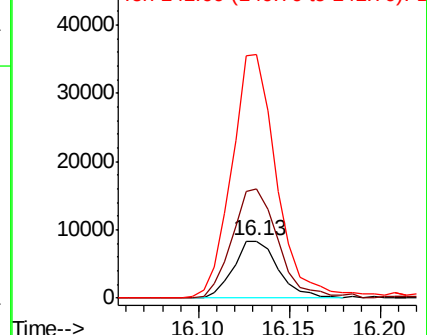
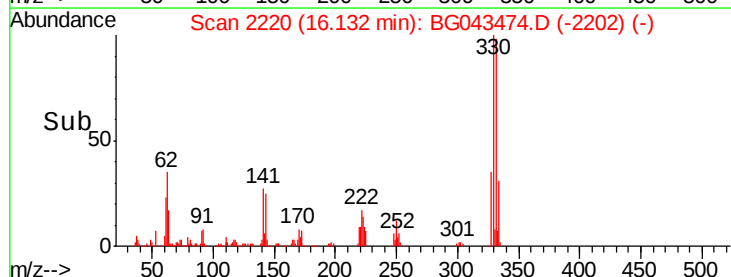
141 426.4 49.5 74.3#

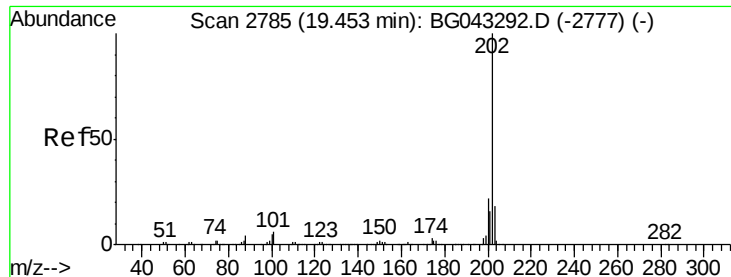


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.149 ng

RT: 19.44 min Scan# 2783

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

BNA_G

ClientSampleId :

AU-05-103019

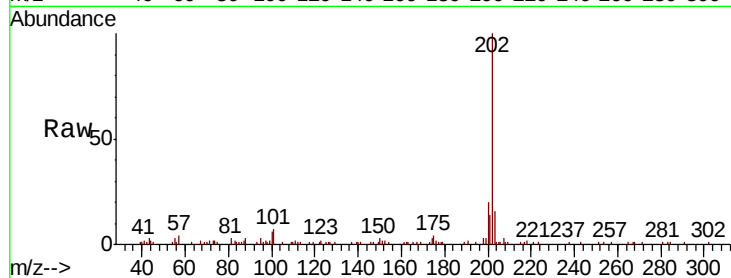
Tot Ion:202 Resp: 42674

Ion Ratio Lower Upper

202 100

101 6.5 0.0 25.6

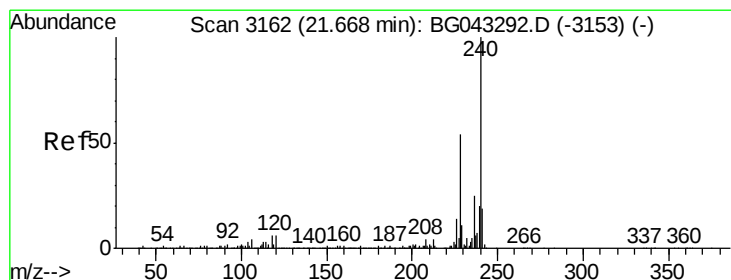
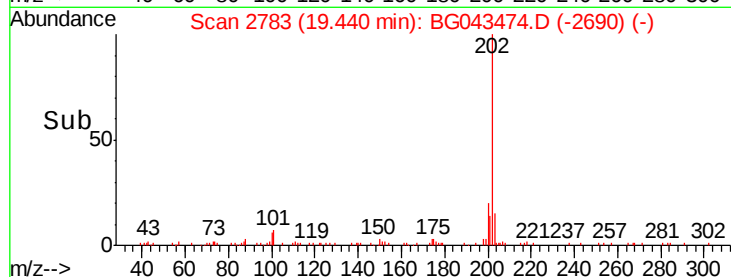
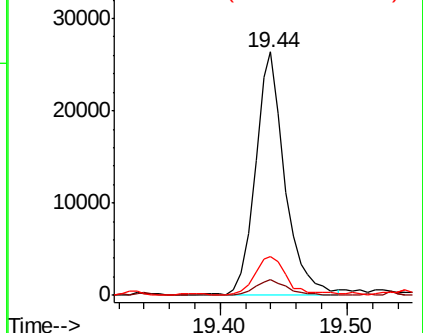
203 15.8 0.0 37.6



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: 21.65 min Scan# 3159

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

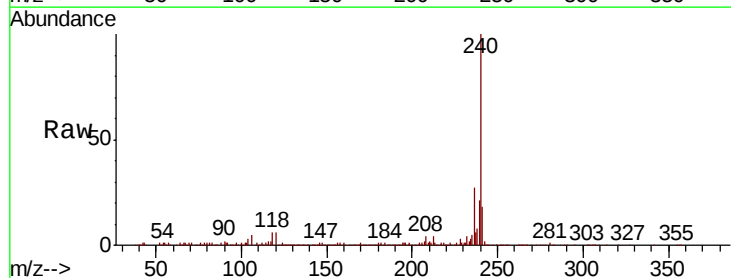
Tgt Ion:240 Resp: 311064

Ion Ratio Lower Upper

240 100

120 5.9 4.9 7.3

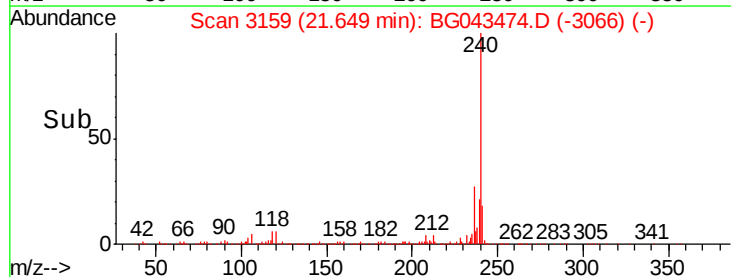
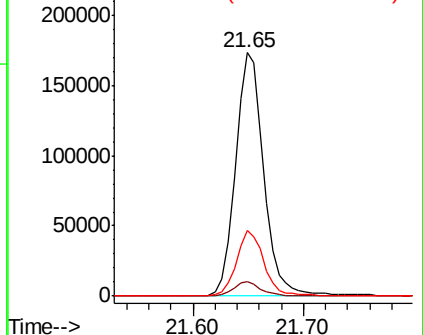
236 26.8 21.4 32.0

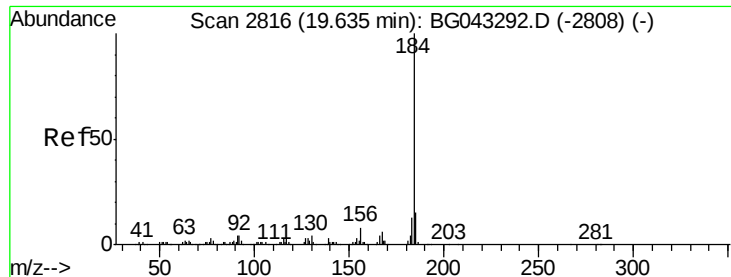


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.506 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

BNA_G

ClientSampleId :

AU-05-103019

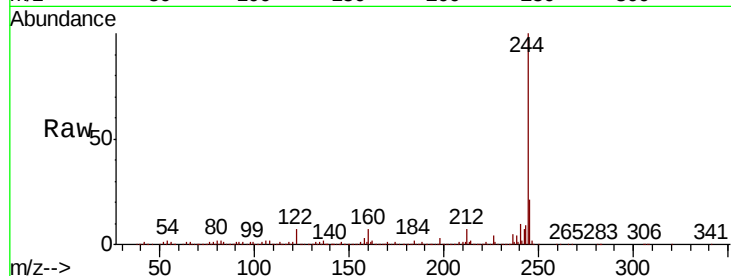
Tot Ion:184 Resp: 15688

Ion Ratio Lower Upper

184 100

185 20.9 12.7 19.1#

183 9.6 8.8 13.2

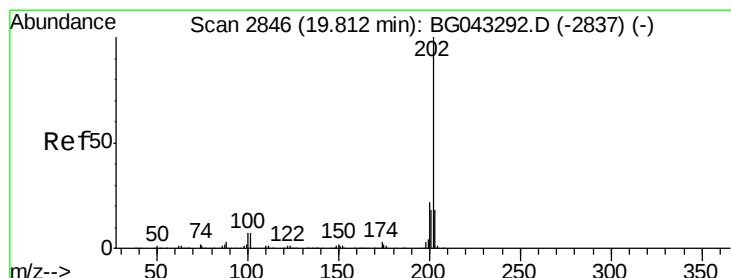
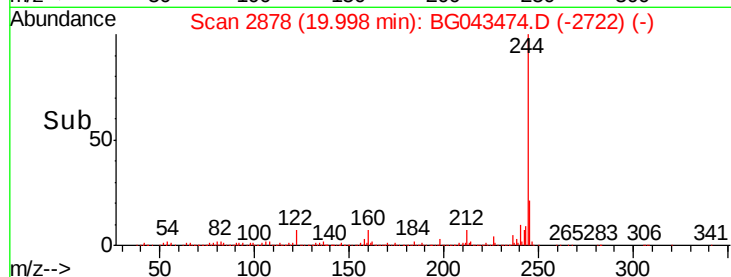
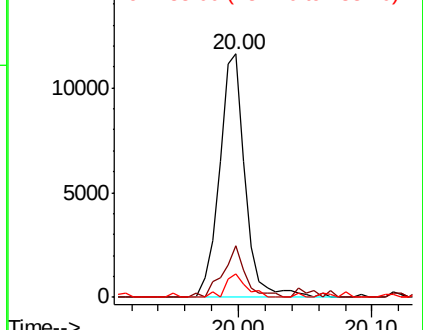


Abundance

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



#78

Pyrene

Concen: 2.088 ng

RT: 19.80 min Scan# 2844

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

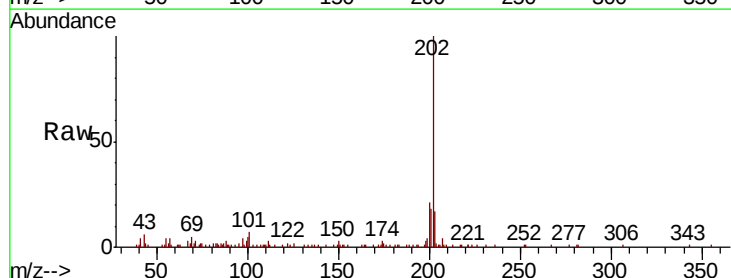
Tgt Ion:202 Resp: 40206

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.1 14.8 22.2

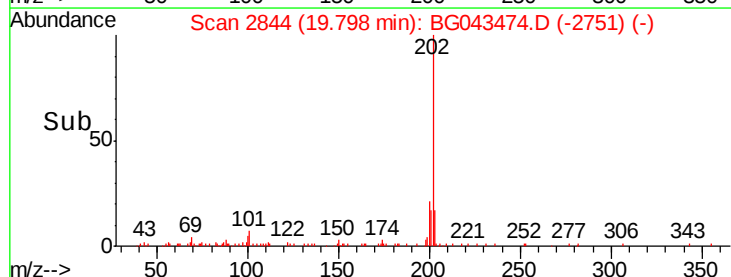
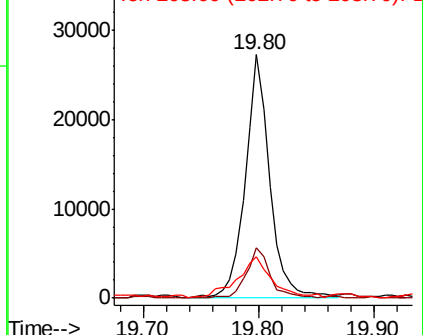


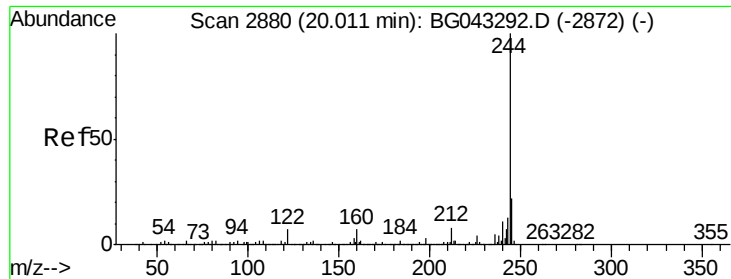
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.950 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Instrument :

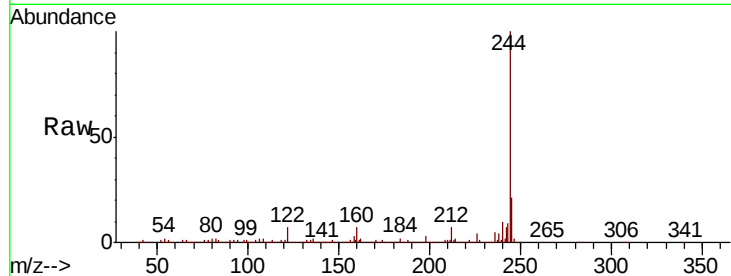
BNA_G

ClientSampleId :

AU-05-103019

Tot Ion:244 Resp: 1060338

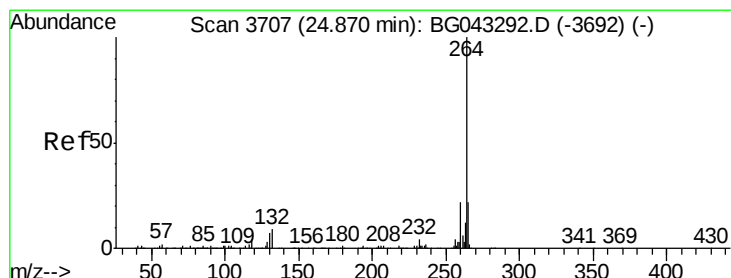
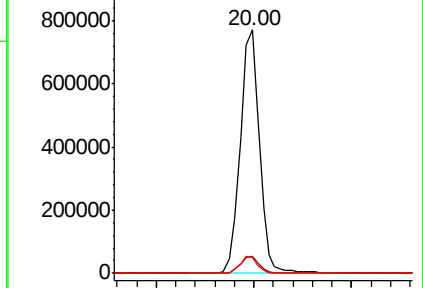
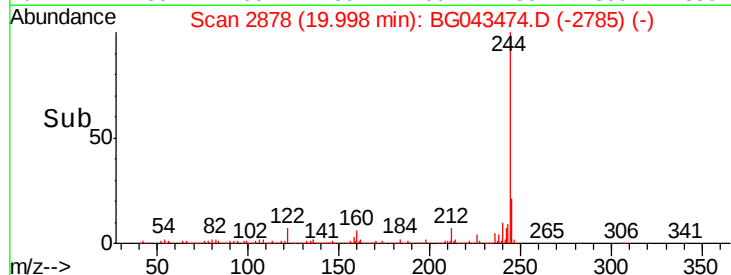
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	6.7	5.2	7.8



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: 24.85 min Scan# 3703

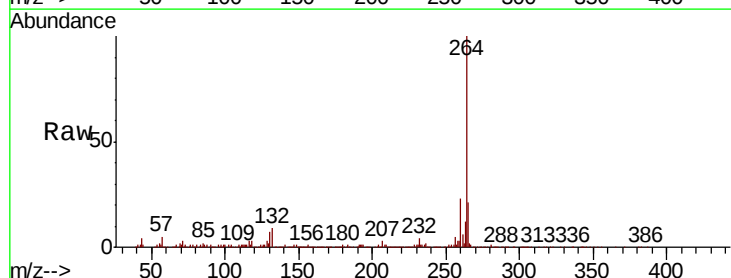
Delta R.T. 0.03 min

Lab File: BG043474.D

Acq: 1 Nov 2019 20:32

Tgt Ion:264 Resp: 372393

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.0	15.8	23.8



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

