

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091322\
 Data File : BG054935.D
 Acq On : 13 Sep 2022 23:56
 Operator : CG/JU
 Sample : N4572-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035

Quant Time: Sep 14 03:24:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

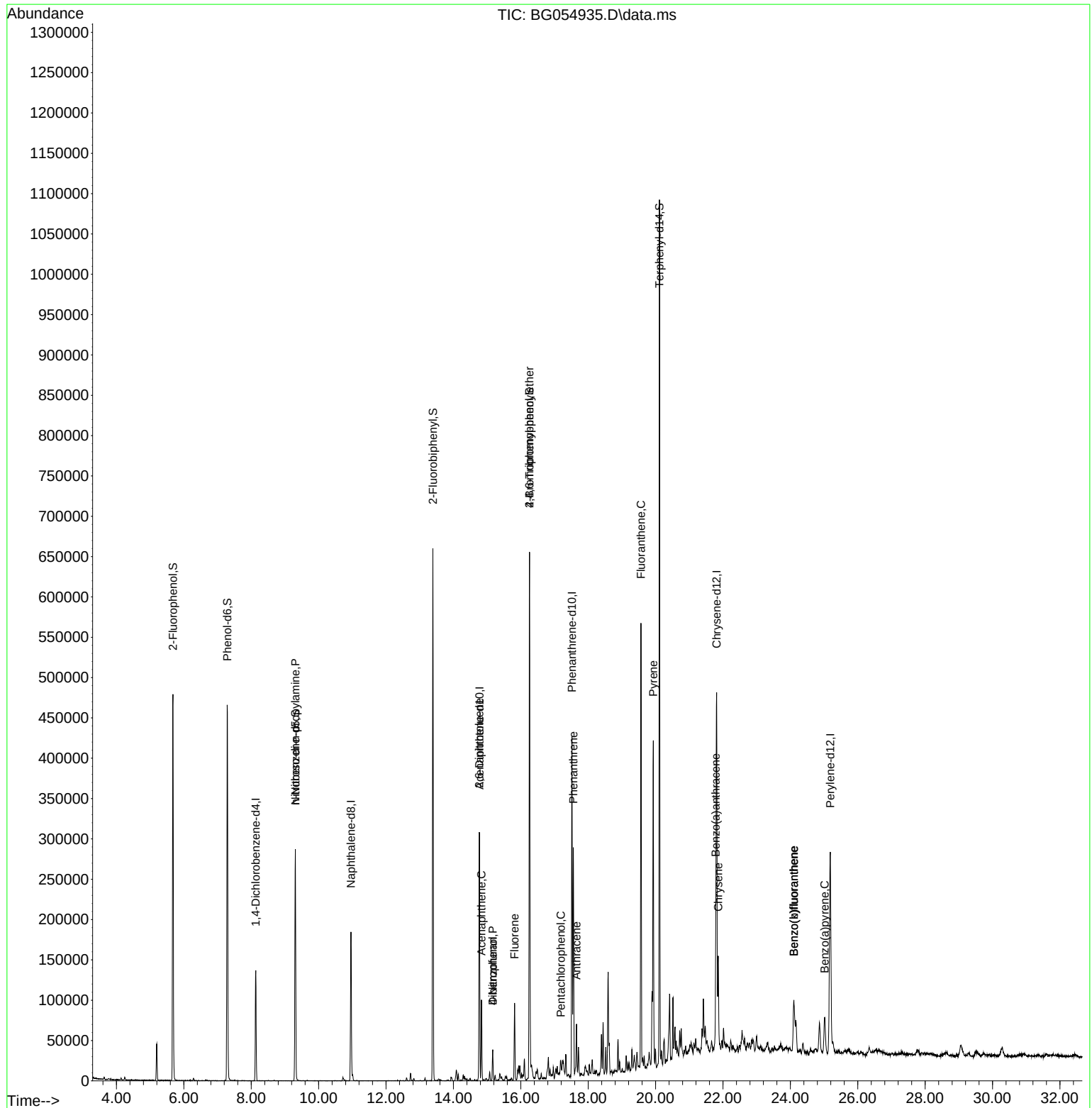
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	43853	20.000	ng	-0.01
21) Naphthalene-d8	10.960	136	174506	20.000	ng	#-0.01
39) Acenaphthene-d10	14.773	164	120066	20.000	ng	0.00
64) Phenanthrene-d10	17.517	188	272697	20.000	ng	-0.01
76) Chrysene-d12	21.812	240	265467	20.000	ng	-0.01
86) Perylene-d12	25.185	264	280231	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	245658	97.548	ng	0.00
7) Phenol-d6	7.288	99	321620	93.385	ng	-0.01
23) Nitrobenzene-d5	9.309	82	185892	55.922	ng	-0.01
42) 2,4,6-Tribromophenol	16.260	330	152395	101.576	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	366478	45.877	ng	-0.01
79) Terphenyl-d14	20.114	244	540279	40.325	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.309	70	23401	9.881	ng	# 76
51) 2,6-Dinitrotoluene	14.767	165	16089	8.504	ng	# 22
52) Acenaphthene	14.832	154	38671	5.388	ng	98
55) Dibenzofuran	15.167	168	25104	2.380	ng	98
56) 4-Nitrophenol	15.167	139	9109	5.558	ng	# 8
58) Fluorene	15.813	166	45711	5.145	ng	98
67) 4-Bromophenyl-phenylether	16.260	248	9529	3.183	ng	# 1
70) Pentachlorophenol	17.188	266	8564	4.683	ng	88
71) Phenanthrene	17.558	178	185728	12.785	ng	98
72) Anthracene	17.652	178	47449	3.360	ng	97
75) Fluoranthene	19.568	202	349530	19.779	ng	97
78) Pyrene	19.932	202	275786	14.899	ng	99
81) Benzo(a)anthracene	21.789	228	88337	4.908	ng	97
83) Chrysene	21.859	228	85660	4.977	ng	99
88) Benzo(b)fluoranthene	24.104	252	86542	4.923	ng	99
89) Benzo(k)fluoranthene	24.104	252	86542	4.892	ng	99
90) Benzo(a)pyrene	25.014	252	52528	3.497	ng	99

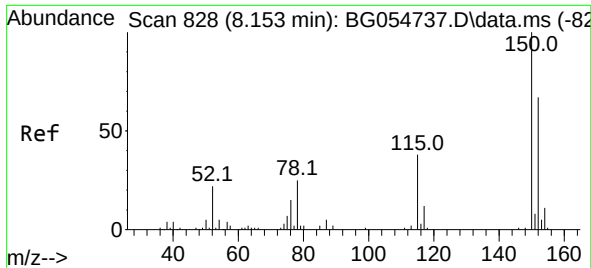
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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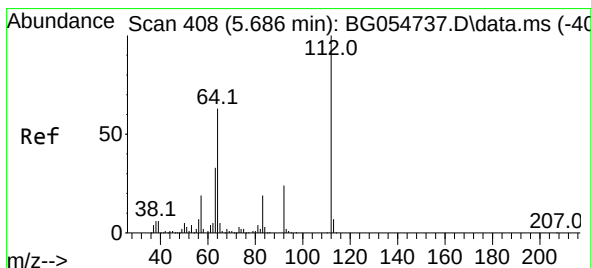
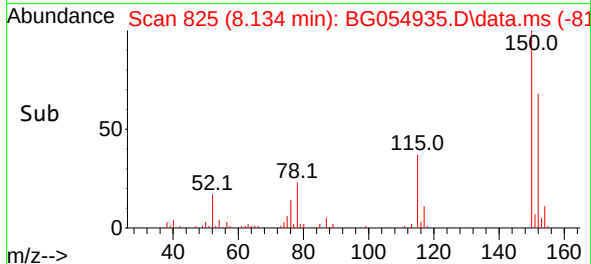
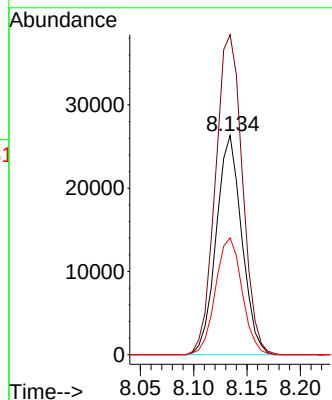
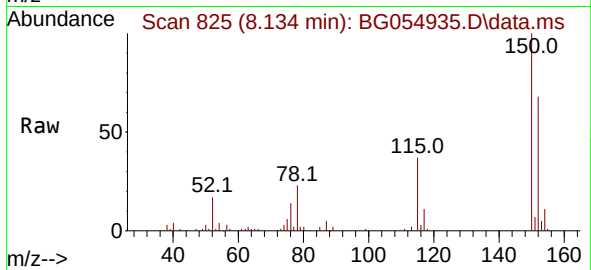




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

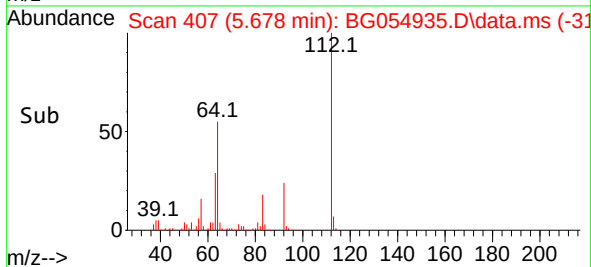
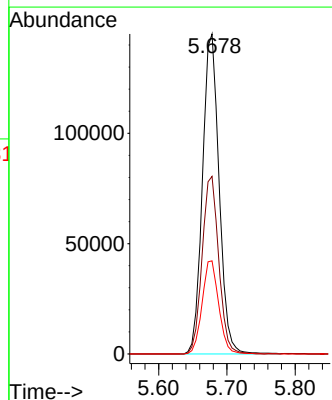
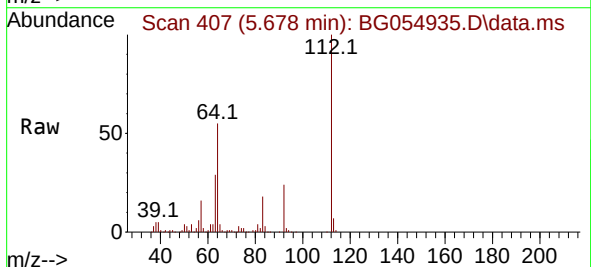
Instrument :
BNA_G
ClientSampleId :
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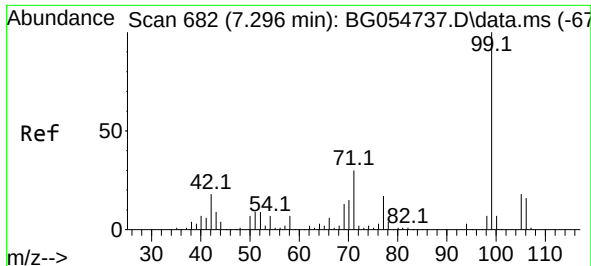
Tgt Ion:152 Resp: 43853
Ion Ratio Lower Upper
152 100
150 146.0 125.2 187.8
115 53.3 47.9 71.9



#5
2-Fluorophenol
Concen: 97.548 ng
RT: 5.678 min Scan# 407
Delta R.T. -0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:112 Resp: 245658
Ion Ratio Lower Upper
112 100
64 55.5 49.3 73.9
63 29.1 26.3 39.5

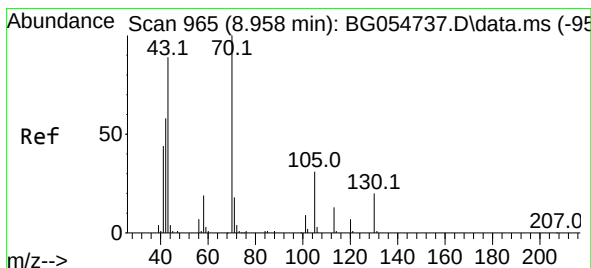
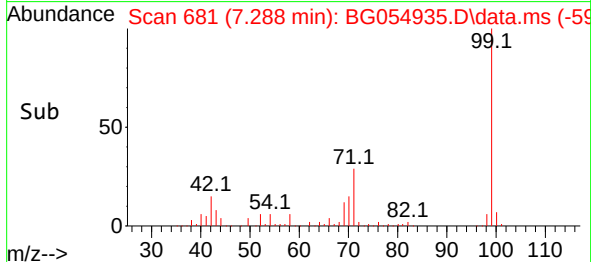
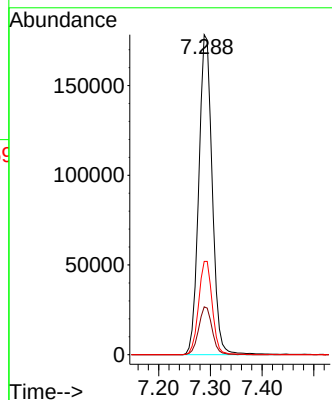
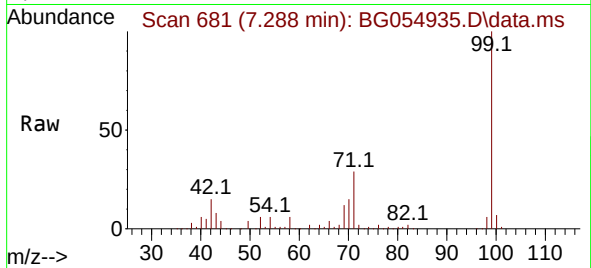




#7
Phenol-d6
Concen: 93.385 ng
RT: 7.288 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

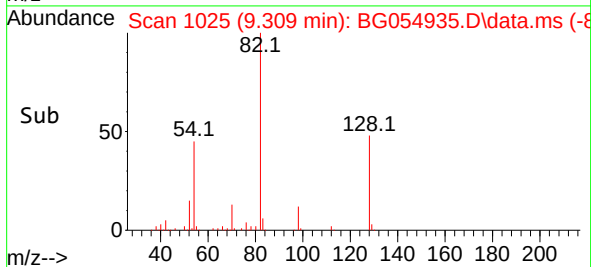
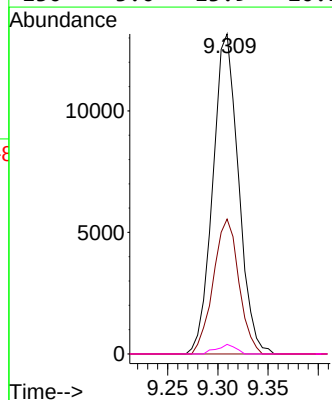
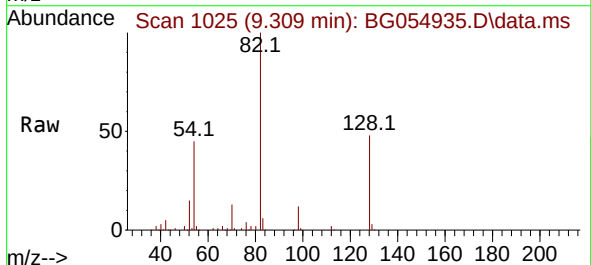
Instrument :
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ClientSampleId :
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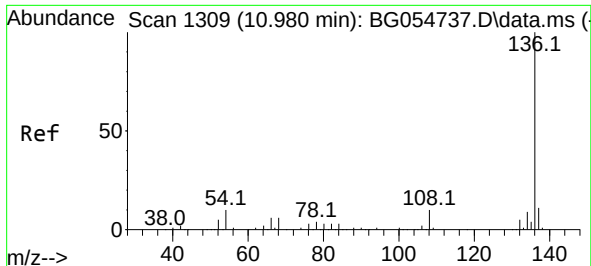
Tgt Ion: 99 Resp: 321620
Ion Ratio Lower Upper
99 100
42 15.0 14.6 22.0
71 29.2 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.881 ng
RT: 9.309 min Scan# 1025
Delta R.T. 0.358 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion: 70 Resp: 23401
Ion Ratio Lower Upper
70 100
42 42.2 46.6 69.8#
101 0.0 7.7 11.5#
130 3.0 13.9 20.9#

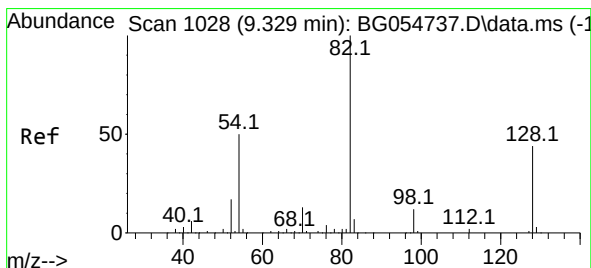
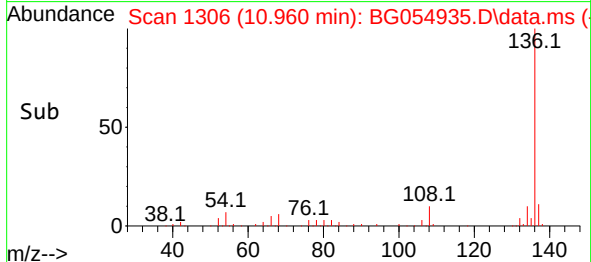
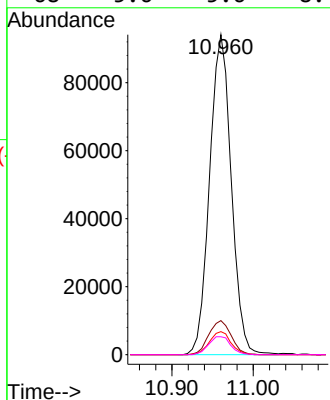
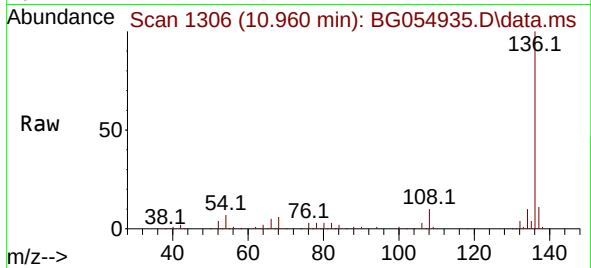




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.960 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

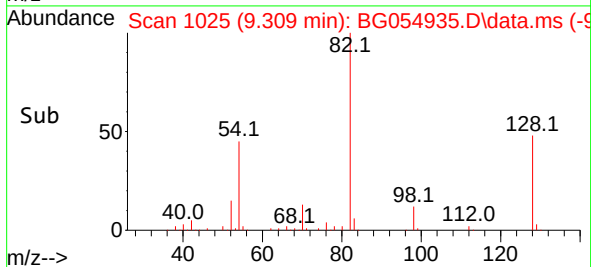
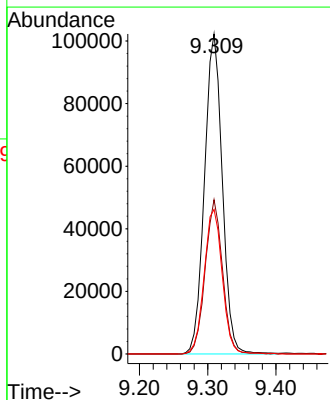
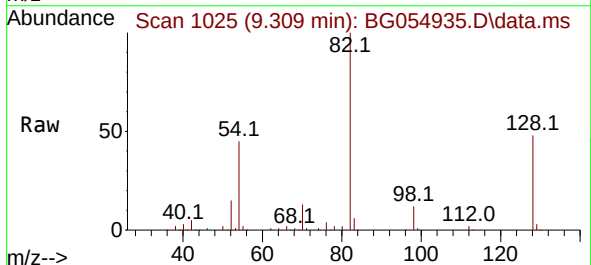
Instrument :
BNA_G
ClientSampleId :
PSC-124035

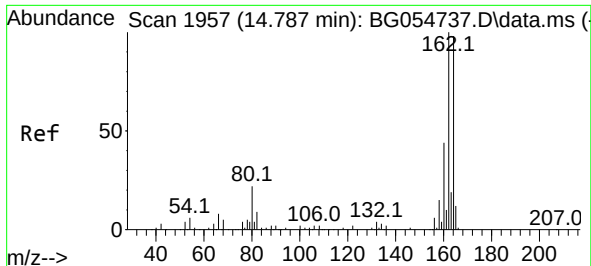
Tgt Ion:	136	Resp:	174506
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.2	13.8
54	7.2	7.7	11.5#
68	5.6	5.6	8.4



#23
Nitrobenzene-d5
Concen: 55.922 ng
RT: 9.309 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:	82	Resp:	185892
Ion Ratio	Lower	Upper	
82	100		
128	48.2	32.2	48.2
54	45.1	41.4	62.0

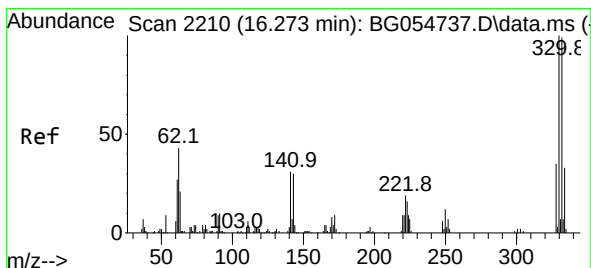
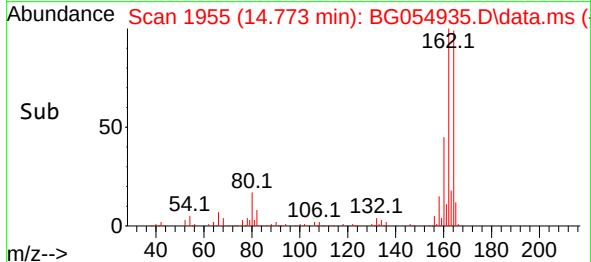
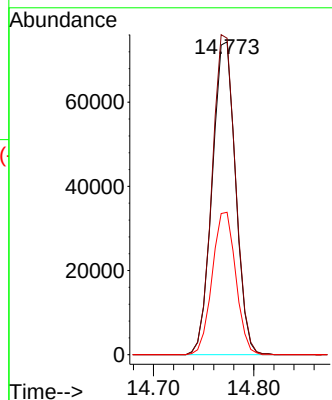
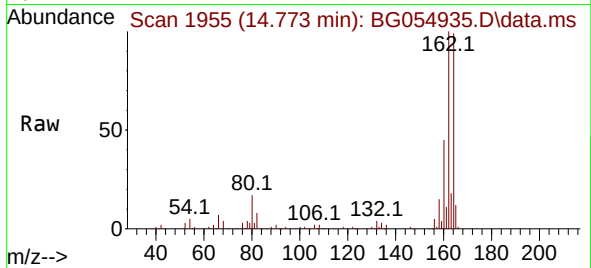




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

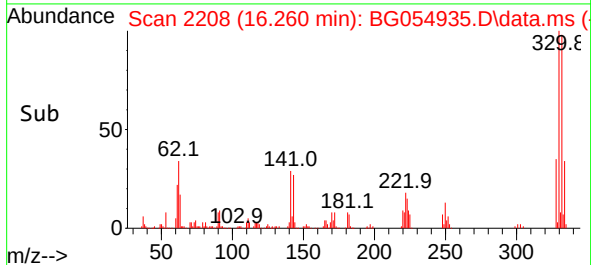
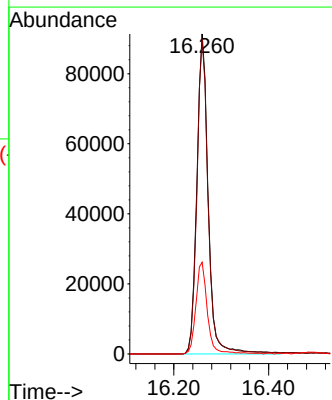
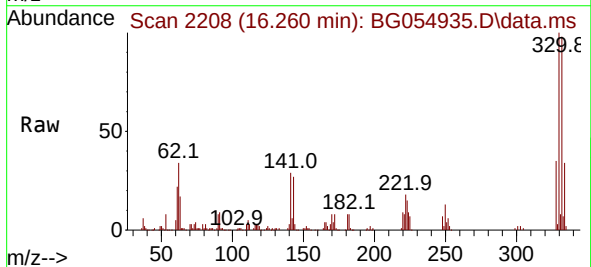
Instrument :
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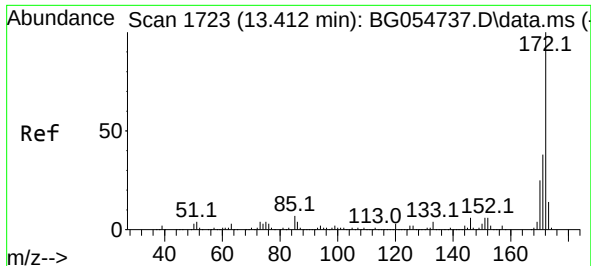
Tgt Ion:164 Resp: 120066
Ion Ratio Lower Upper
164 100
162 101.2 83.0 124.4
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 101.576 ng
RT: 16.260 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:330 Resp: 152395
Ion Ratio Lower Upper
330 100
332 97.4 79.8 119.6
141 29.0 26.8 40.2

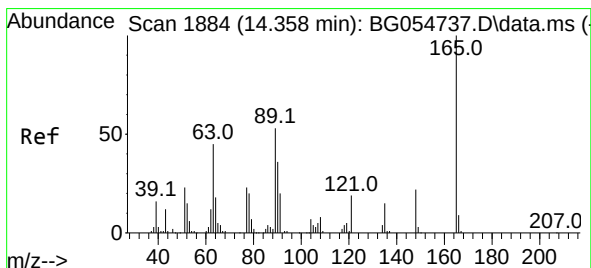
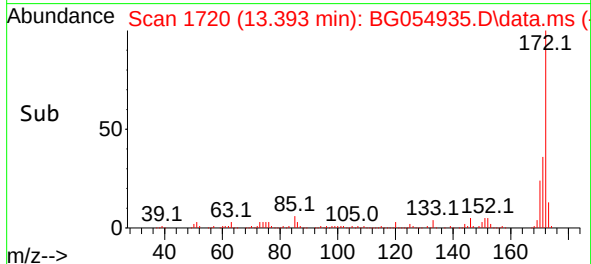
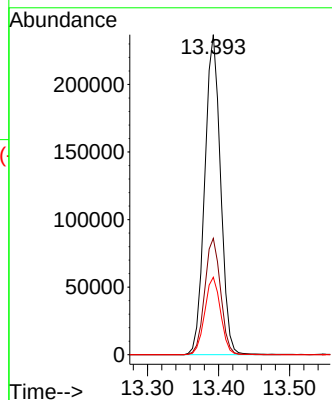
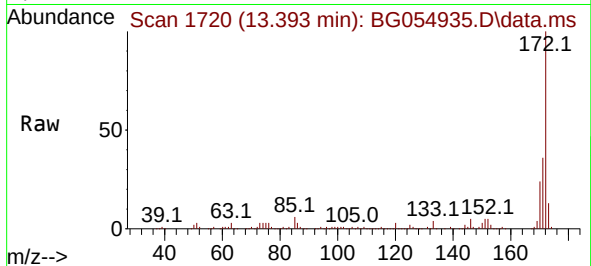




#45
2-Fluorobiphenyl
Concen: 45.877 ng
RT: 13.393 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

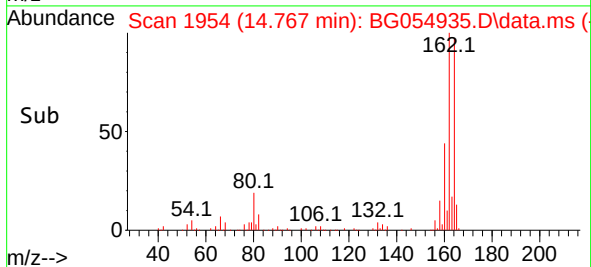
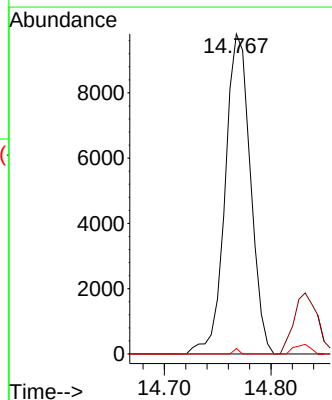
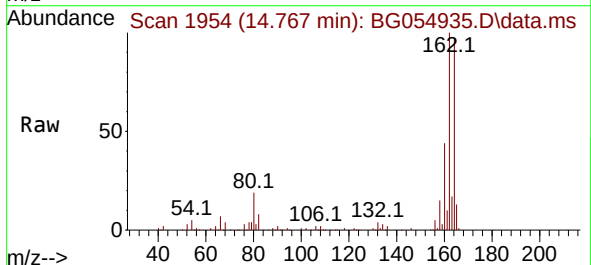
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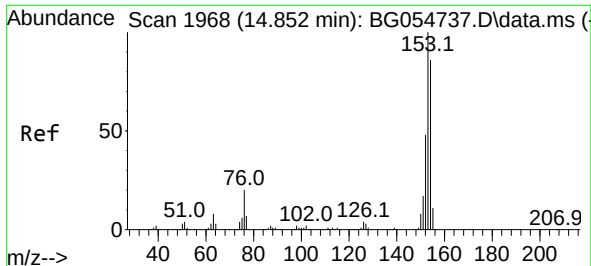
Tgt Ion:172 Resp: 366478
Ion Ratio Lower Upper
172 100
171 36.3 31.2 46.8
170 24.2 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.504 ng
RT: 14.767 min Scan# 1954
Delta R.T. 0.411 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:165 Resp: 16089
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.7 50.3 75.5#

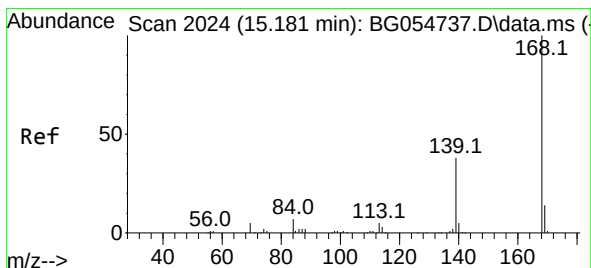
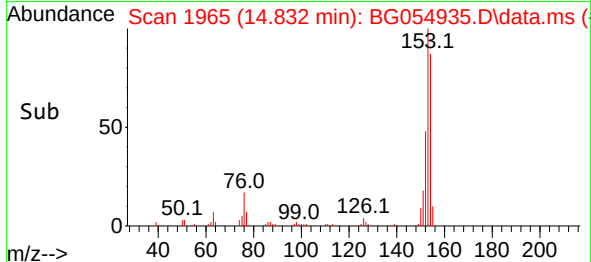
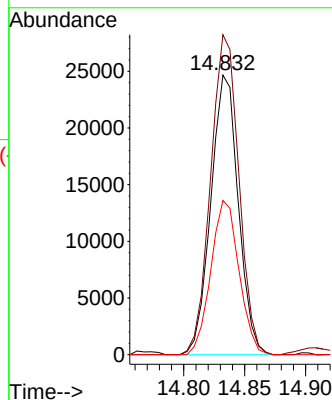
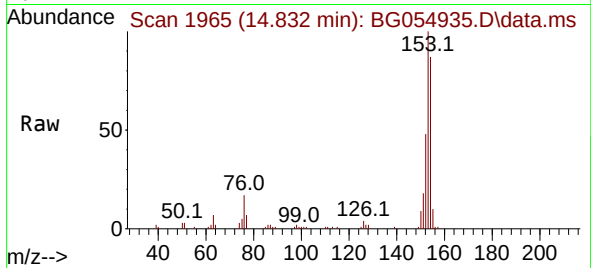




#52
Acenaphthene
Concen: 5.388 ng
RT: 14.832 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

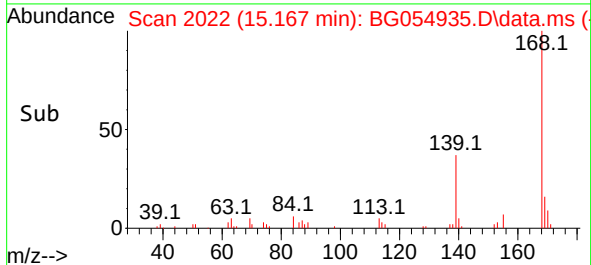
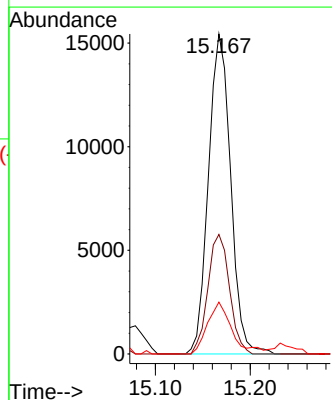
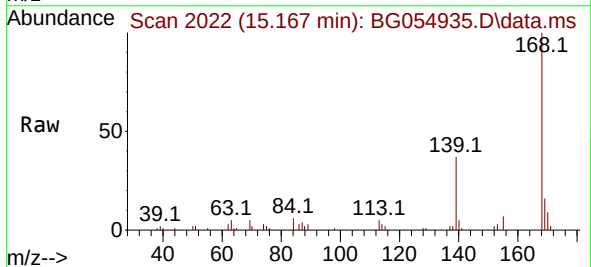
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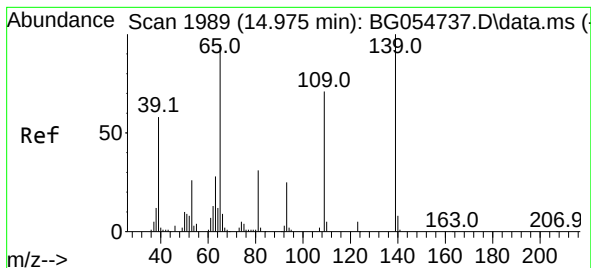
Tgt Ion:154 Resp: 38671
Ion Ratio Lower Upper
154 100
153 114.5 92.8 139.2
152 55.2 45.4 68.2



#55
Dibenzofuran
Concen: 2.380 ng
RT: 15.167 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:168 Resp: 25104
Ion Ratio Lower Upper
168 100
139 37.4 30.2 45.2
169 16.2 11.3 16.9

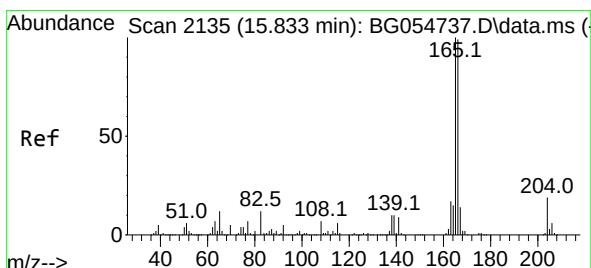
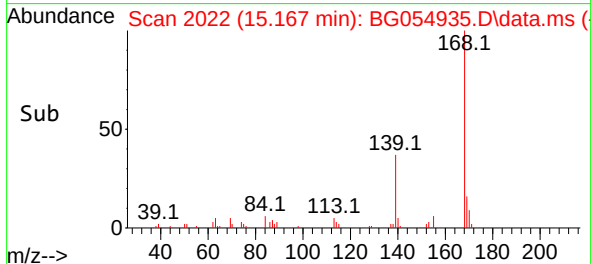
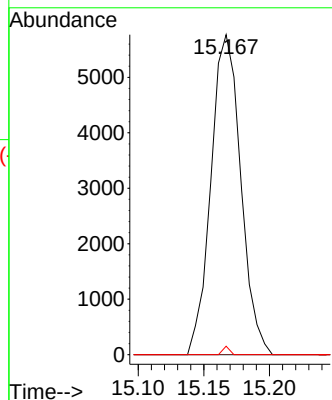
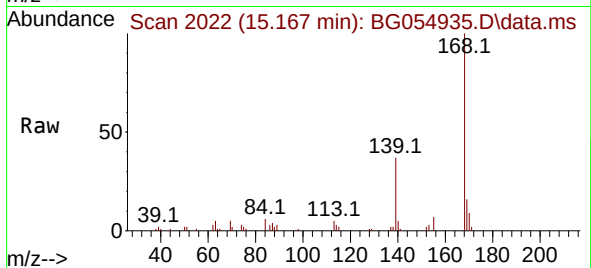




#56
4-Nitrophenol
Concen: 5.558 ng
RT: 15.167 min Scan# 20
Delta R.T. 0.164 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

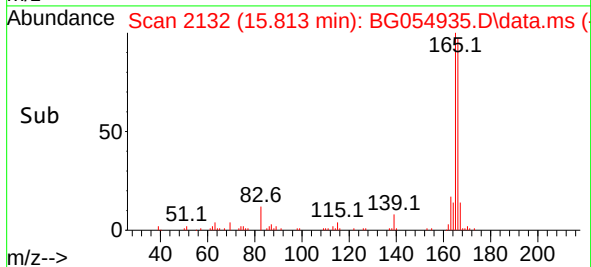
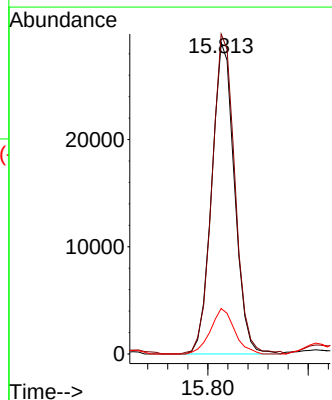
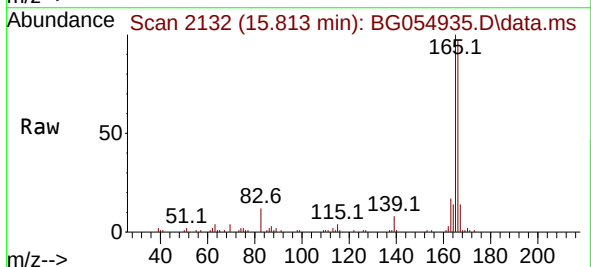
Instrument :
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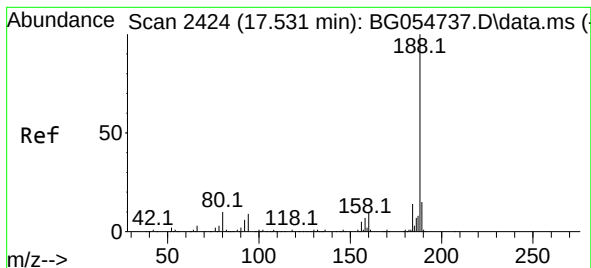
Tgt Ion:139 Resp: 9109
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 2.6 79.9 119.9#



#58
Fluorene
Concen: 5.145 ng
RT: 15.813 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:166 Resp: 45711
Ion Ratio Lower Upper
166 100
165 102.8 80.8 121.2
167 14.6 11.4 17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.517 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

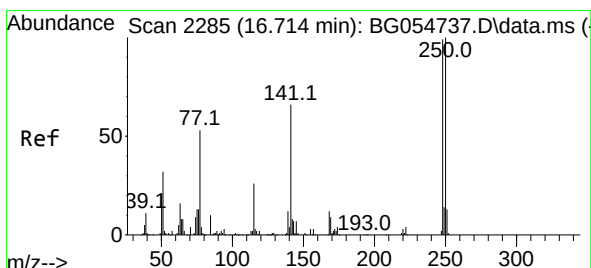
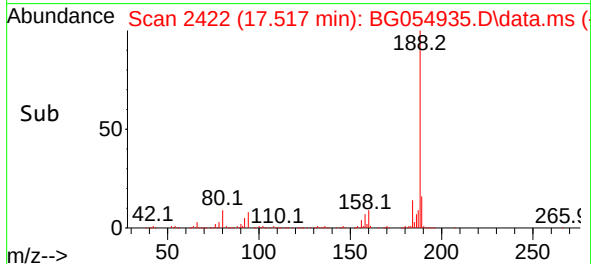
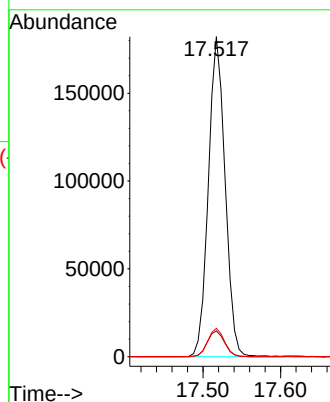
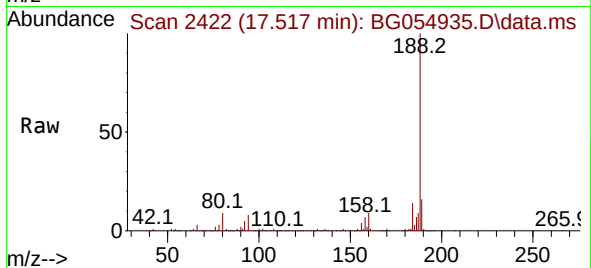
Tgt Ion:188 Resp: 272697

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.4

80 8.9 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.183 ng

RT: 16.260 min Scan# 2208

Delta R.T. -0.447 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

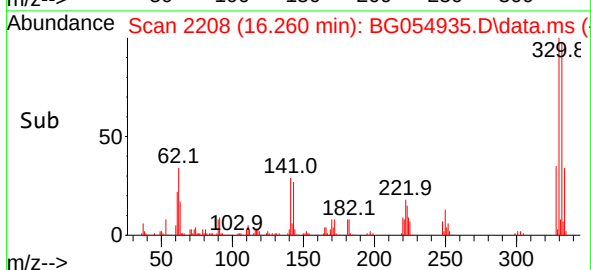
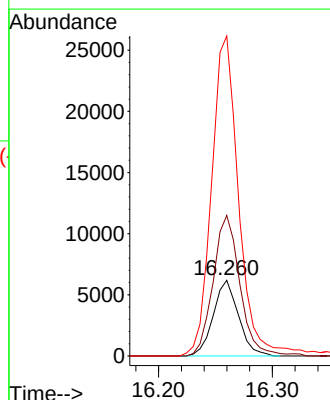
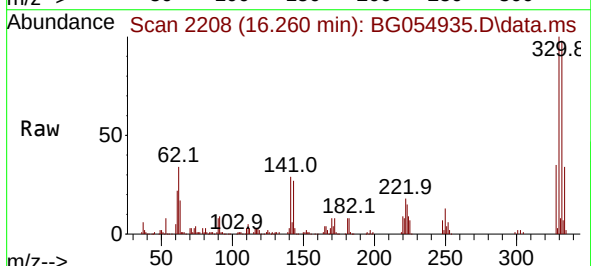
Tgt Ion:248 Resp: 9529

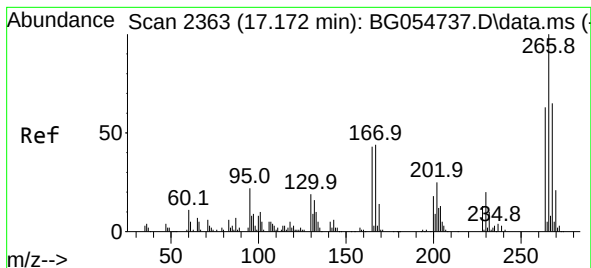
Ion Ratio Lower Upper

248 100

250 185.5 78.8 118.2#

141 422.7 51.9 77.9#





#70

Pentachlorophenol

Concen: 4.683 ng

RT: 17.188 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

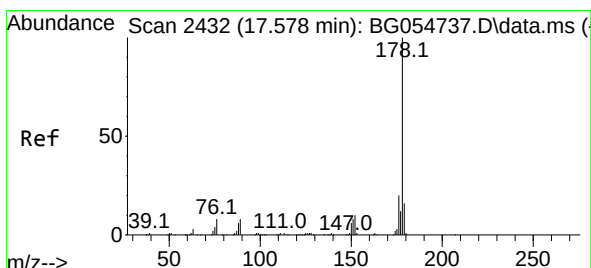
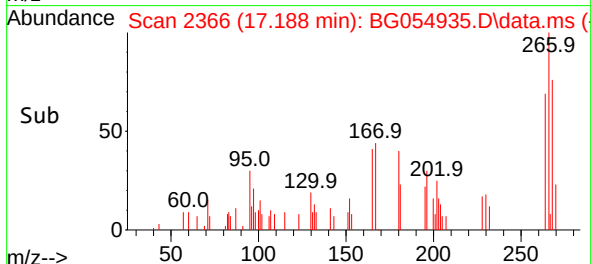
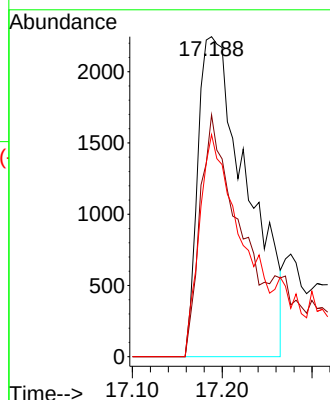
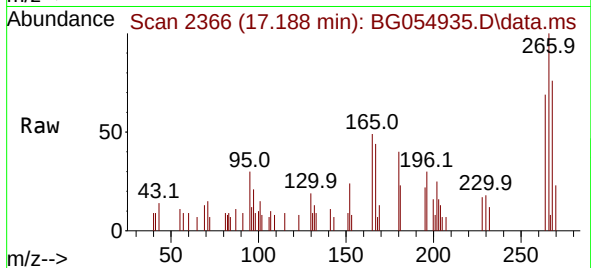
Tgt Ion:266 Resp: 8564

Ion Ratio Lower Upper

266 100

268 75.6 51.2 76.8

264 69.4 49.4 74.0



#71

Phenanthrene

Concen: 12.785 ng

RT: 17.558 min Scan# 2429

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

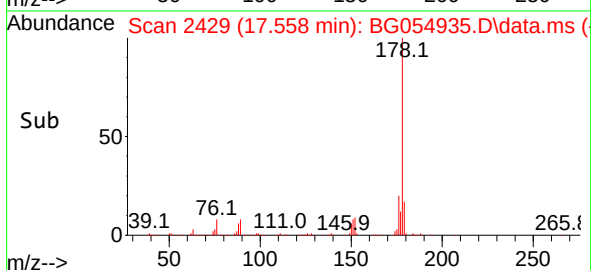
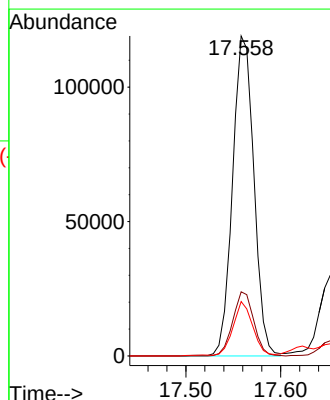
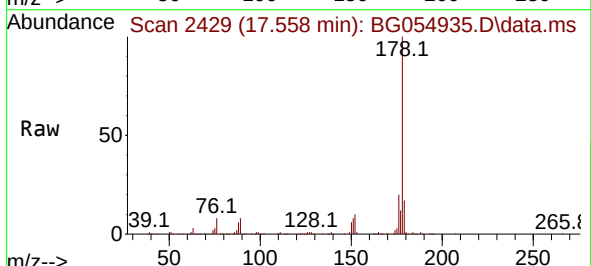
Tgt Ion:178 Resp: 185728

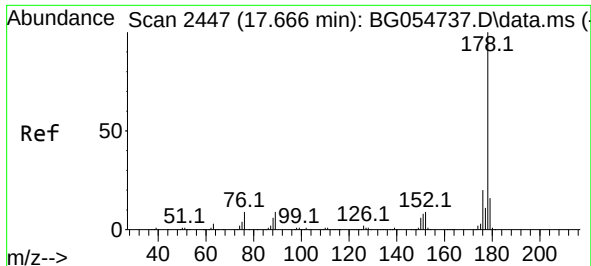
Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

179 17.0 12.8 19.2

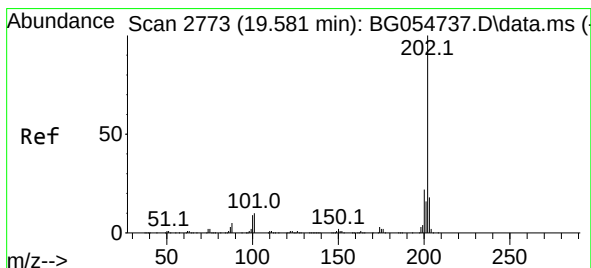
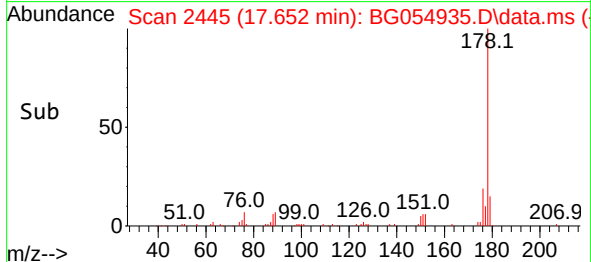
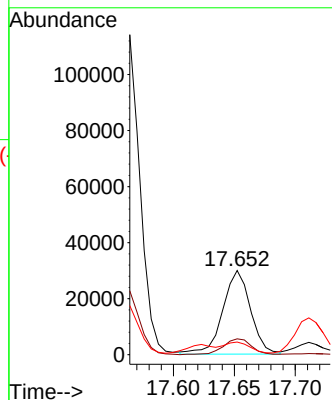
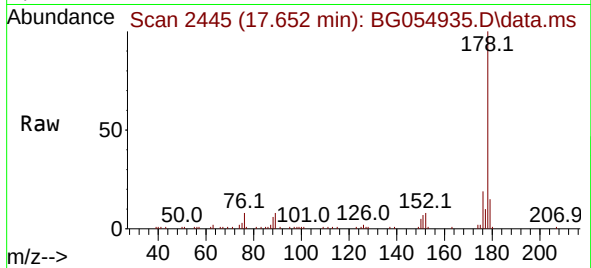




#72
 Anthracene
 Concen: 3.360 ng
 RT: 17.652 min Scan# 2447
 Delta R.T. -0.012 min
 Lab File: BG054935.D
 Acq: 13 Sep 2022 23:56

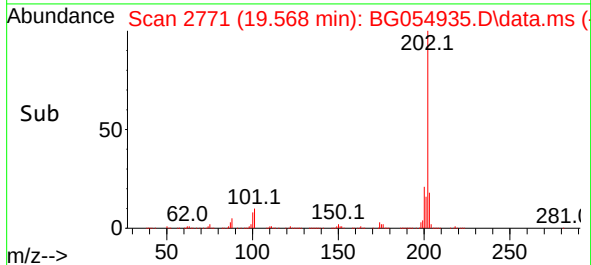
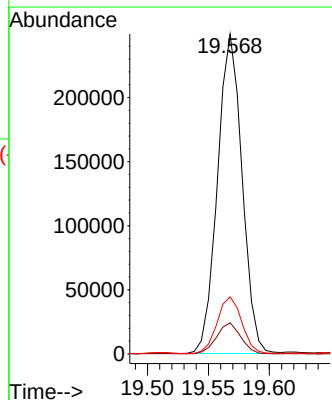
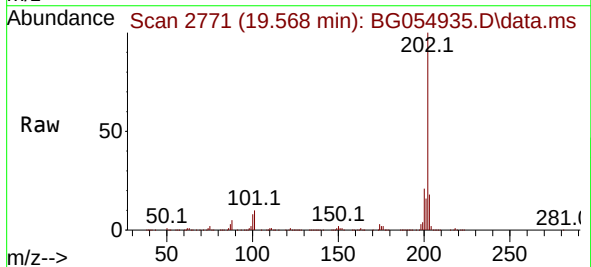
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035

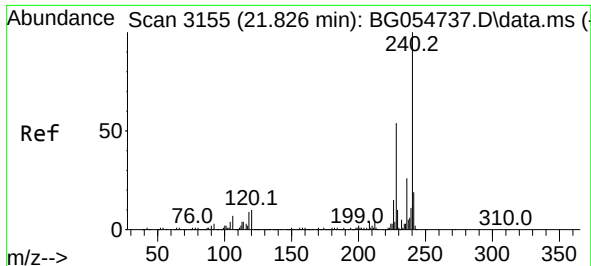
Tgt Ion:178 Resp: 47449
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.0 12.9 19.3



#75
 Fluoranthene
 Concen: 19.779 ng
 RT: 19.568 min Scan# 2771
 Delta R.T. -0.012 min
 Lab File: BG054935.D
 Acq: 13 Sep 2022 23:56

Tgt Ion:202 Resp: 349530
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.4
 203 17.8 0.0 38.6

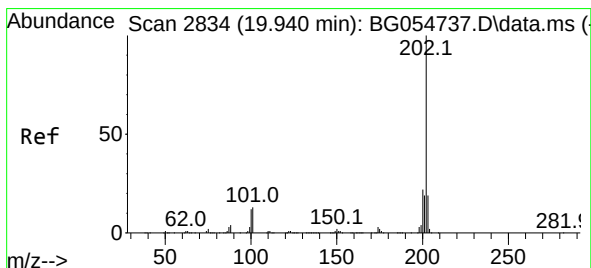
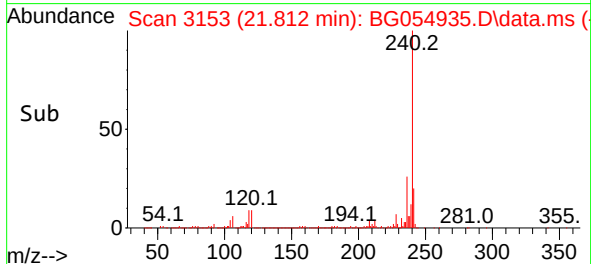
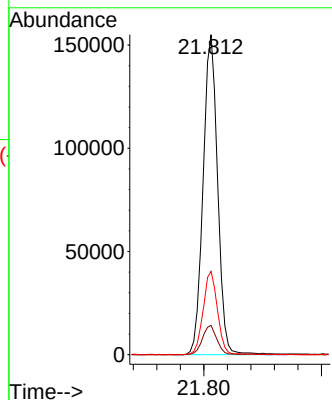
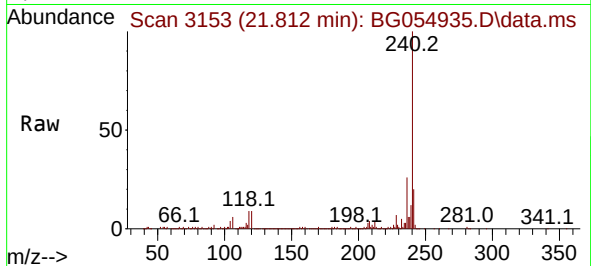




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.812 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

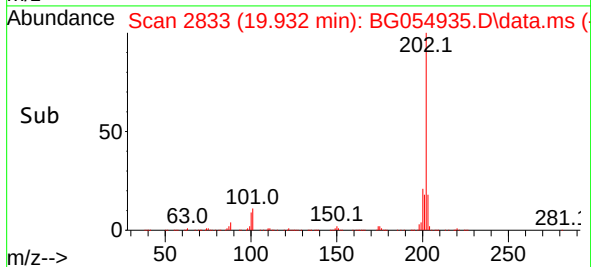
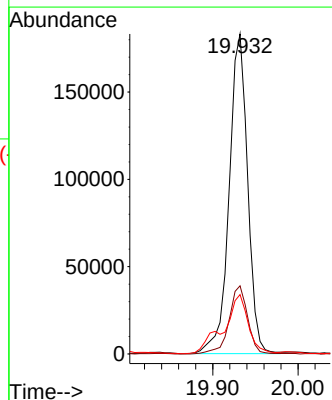
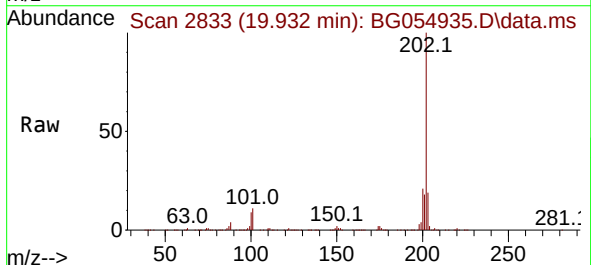
Instrument :
BNA_G
ClientSampleId :
PSC-124035

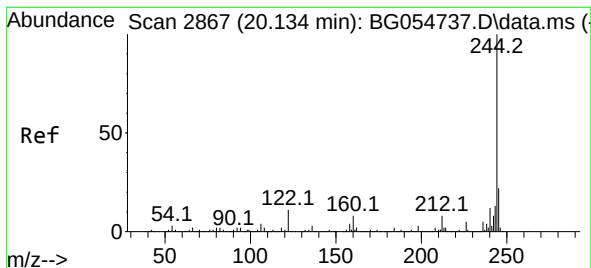
Tgt Ion:240 Resp: 265467
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.4
236 26.0 21.2 31.8



#78
Pyrene
Concen: 14.899 ng
RT: 19.932 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:202 Resp: 275786
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 40.325 ng

RT: 20.114 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

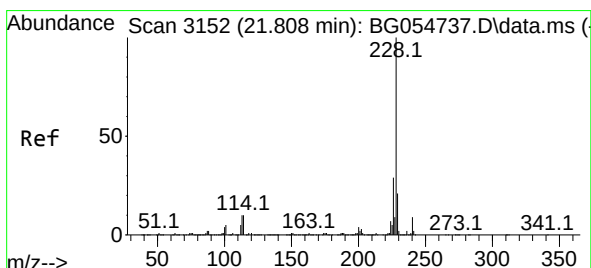
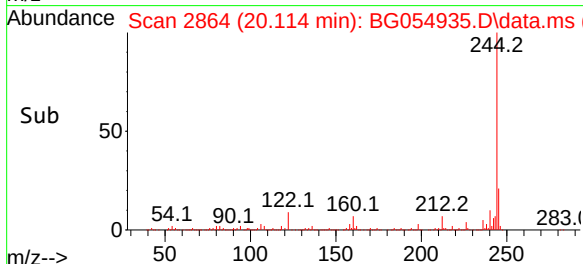
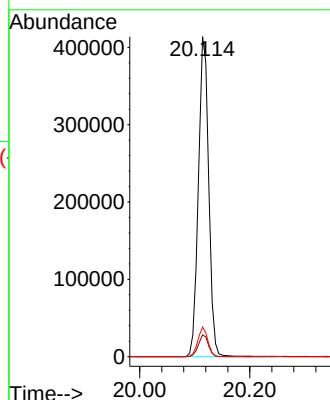
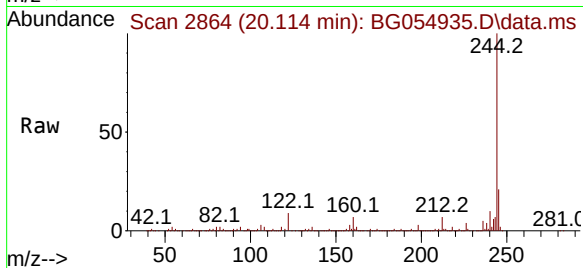
Tgt Ion:244 Resp: 540279

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

122 9.3 9.0 13.6



#81

Benzo(a)anthracene

Concen: 4.908 ng

RT: 21.789 min Scan# 3149

Delta R.T. -0.018 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

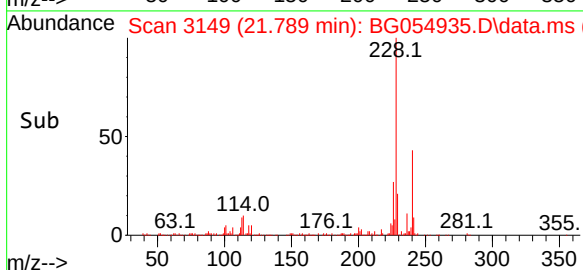
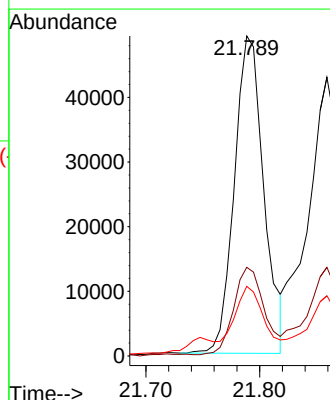
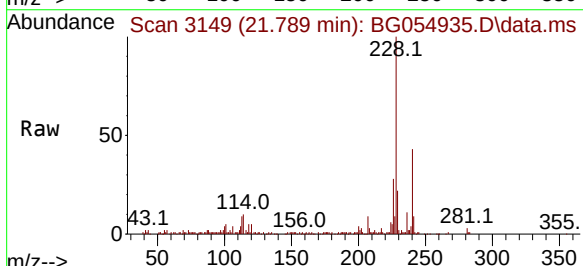
Tgt Ion:228 Resp: 88337

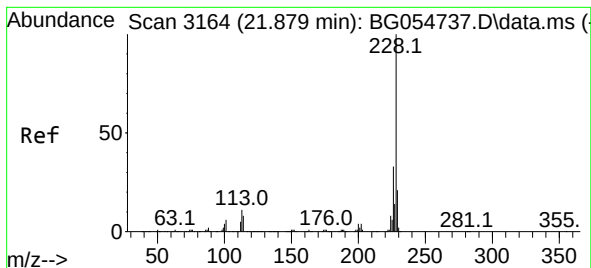
Ion Ratio Lower Upper

228 100

226 27.7 23.4 35.2

229 21.7 16.5 24.7





#83

Chrysene

Concen: 4.977 ng

RT: 21.859 min Scan# 3161

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

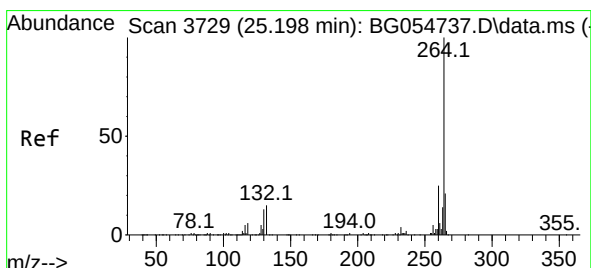
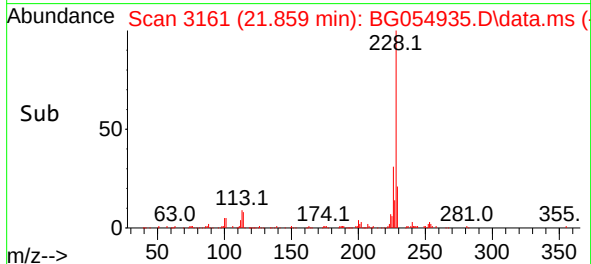
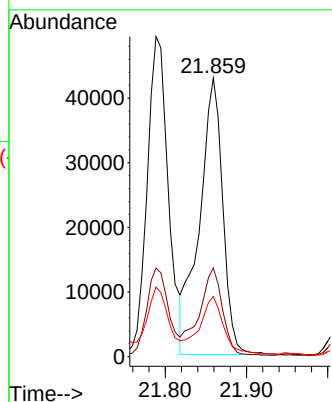
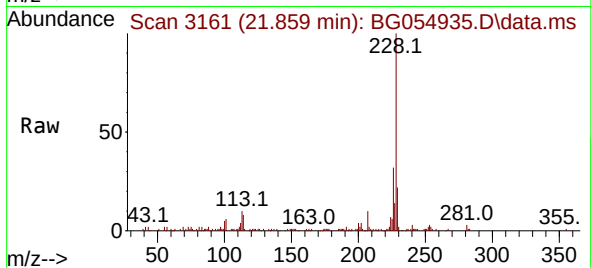
Tgt Ion:228 Resp: 85660

Ion Ratio Lower Upper

228 100

226 31.8 25.5 38.3

229 21.6 16.8 25.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.185 min Scan# 3727

Delta R.T. -0.018 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

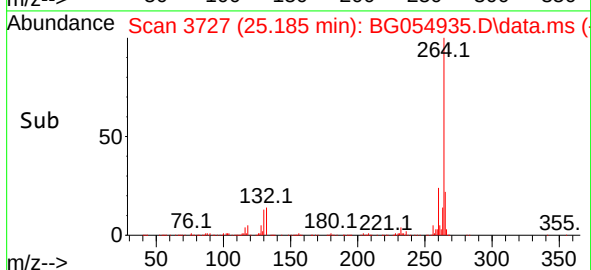
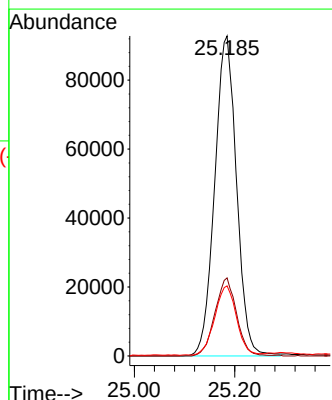
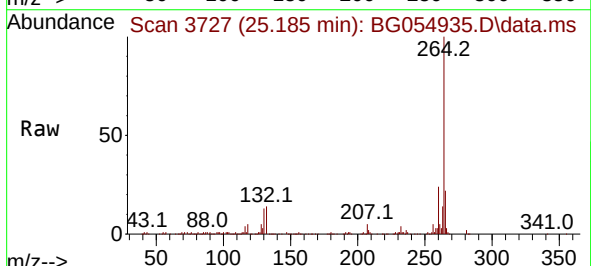
Tgt Ion:264 Resp: 280231

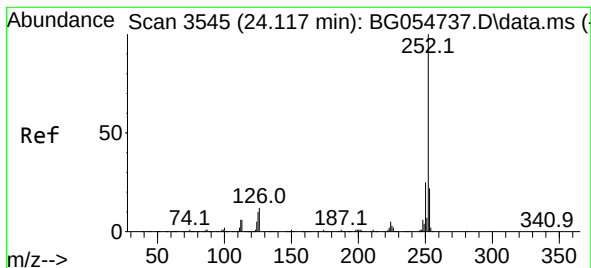
Ion Ratio Lower Upper

264 100

260 24.4 19.9 29.9

265 21.9 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 4.923 ng

RT: 24.104 min Scan# 3543

Delta R.T. -0.018 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

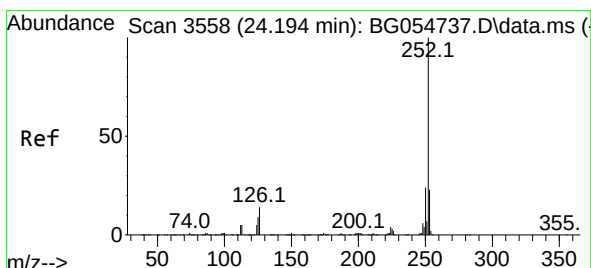
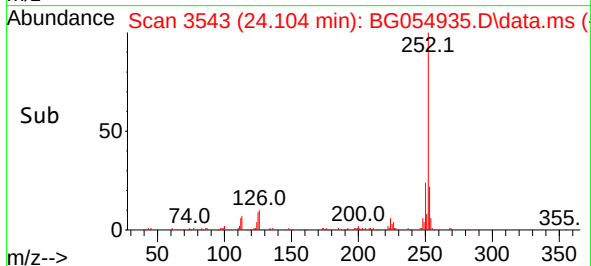
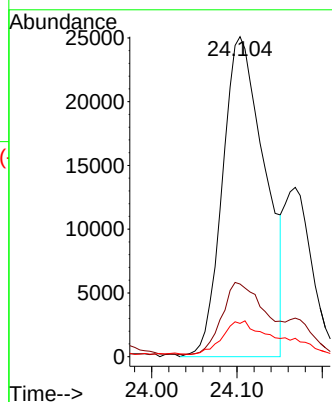
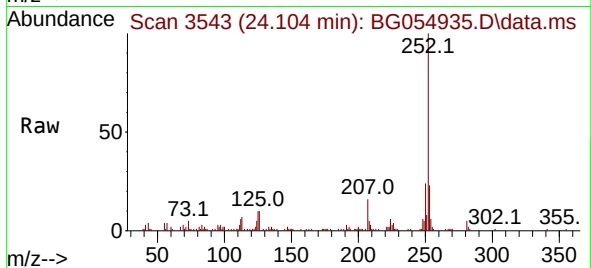
Tgt Ion:252 Resp: 86542

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 10.4 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 4.892 ng

RT: 24.104 min Scan# 3543

Delta R.T. -0.088 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

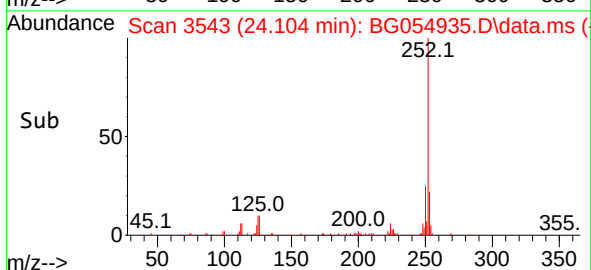
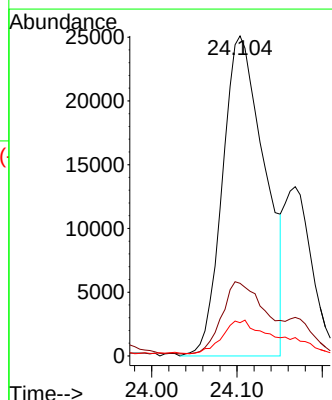
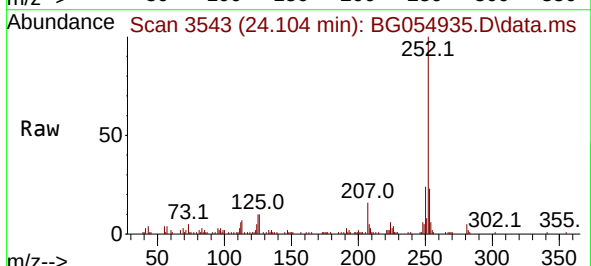
Tgt Ion:252 Resp: 86542

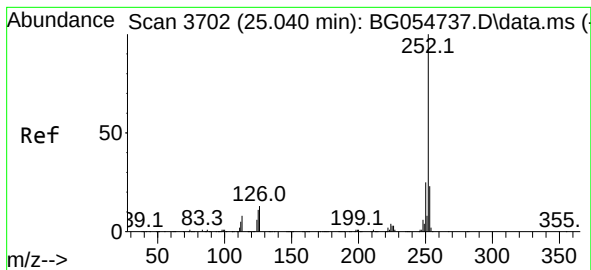
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 10.4 8.2 12.4





#90

Benzo(a)pyrene

Concen: 3.497 ng

RT: 25.014 min Scan# 30

Delta R.T. -0.036 min

Lab File: BG054935.D

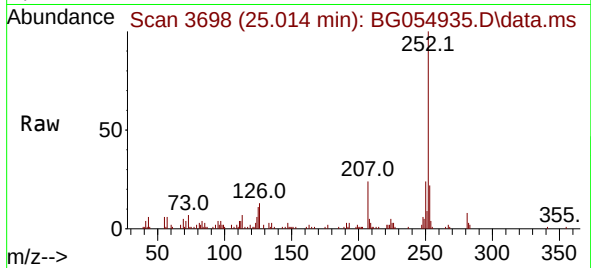
Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035



Tgt Ion:252 Resp: 52528

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

125 11.3 8.8 13.2

