

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054432.D
 Acq On : 28 Jul 2022 15:03
 Operator : CG/JU
 Sample : N3893-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-11

Quant Time: Jul 29 04:08:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

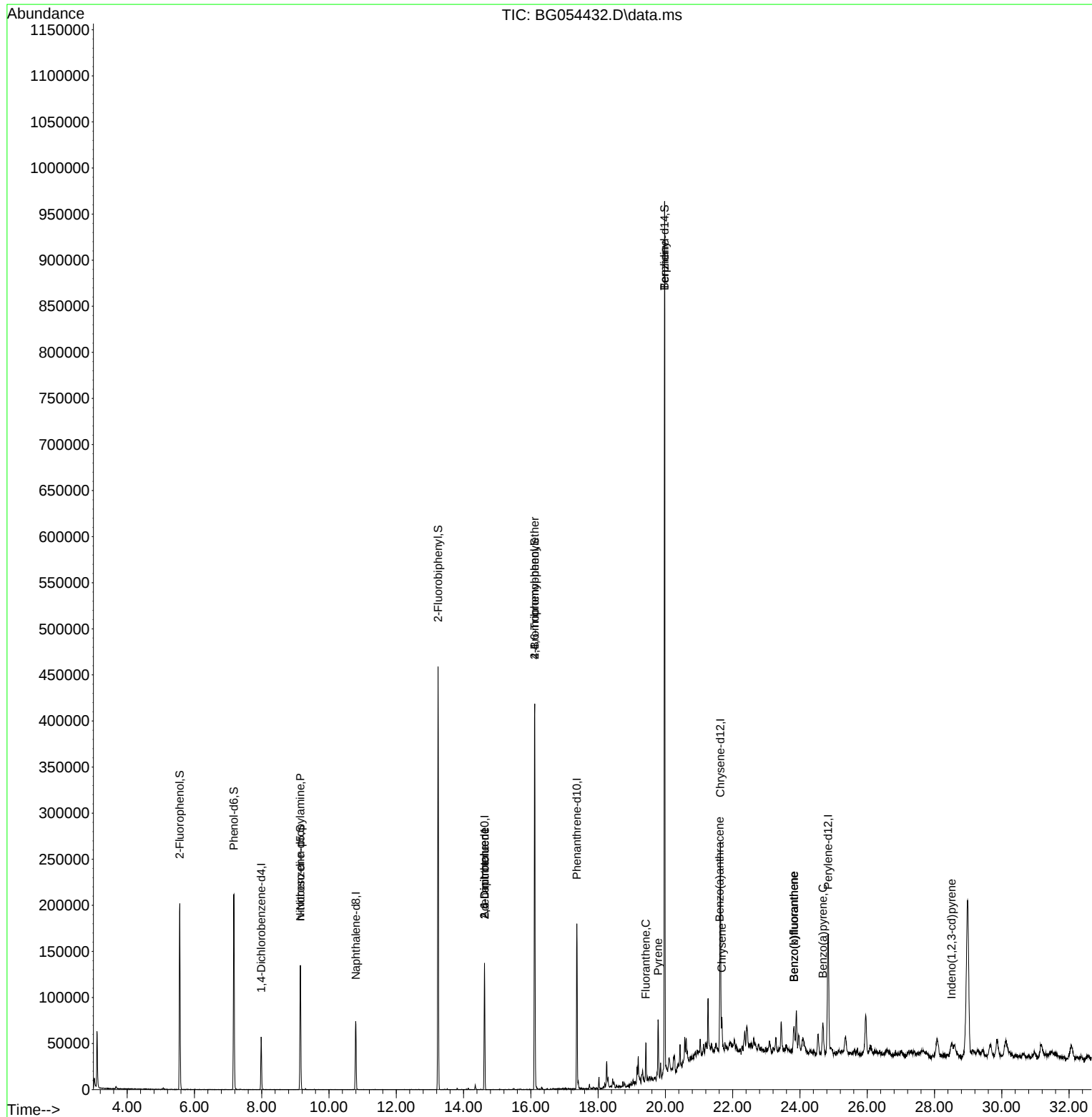
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	17732	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	68298	20.000	ng	# 0.00
39) Acenaphthene-d10	14.625	164	53805	20.000	ng	0.00
64) Phenanthrene-d10	17.369	188	130287	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	144941	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	155515	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	91289	107.490	ng	0.00
7) Phenol-d6	7.169	99	126476	108.682	ng	0.00
23) Nitrobenzene-d5	9.149	82	85304	68.017	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	116385	103.022	ng	0.00
45) 2-Fluorobiphenyl	13.244	172	265281	69.553	ng	0.00
79) Terphenyl-d14	19.977	244	542420	74.241	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.175	77	189	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.149	70	11898	15.311	ng	# 84
51) 2,6-Dinitrotoluene	14.625	165	7626	8.273	ng	# 16
57) 2,4-Dinitrotoluene	14.625	165	7626	5.771	ng	# 21
67) 4-Bromophenyl-phenylether	16.117	248	6832	3.734	ng	# 1
75) Fluoranthene	19.419	202	24955	2.822	ng	97
77) Benzidine	19.977	184	6901	2.629	ng	# 85
78) Pyrene	19.783	202	44940	5.404	ng	99
81) Benzo(a)anthracene	21.616	228	22923	2.491	ng	# 90
83) Chrysene	21.681	228	29870	3.436	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.508	276	25525	2.158	ng	98
88) Benzo(b)fluoranthene	23.826	252	39490	4.294	ng	98
89) Benzo(k)fluoranthene	23.826	252	39490	4.314	ng	97
90) Benzo(a)pyrene	24.683	252	34611	4.407	ng	95

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

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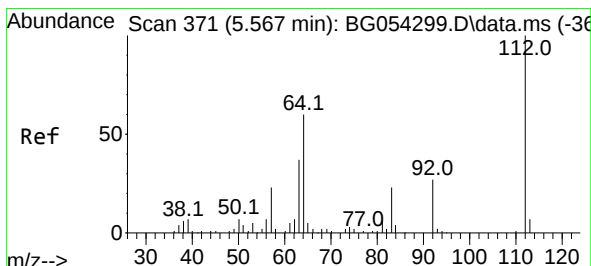
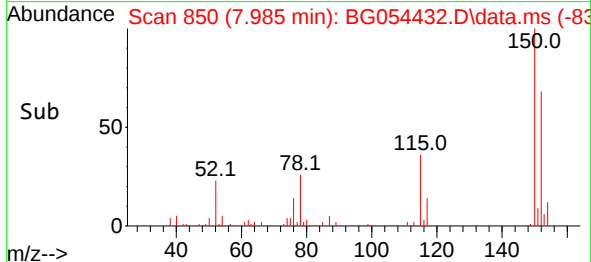
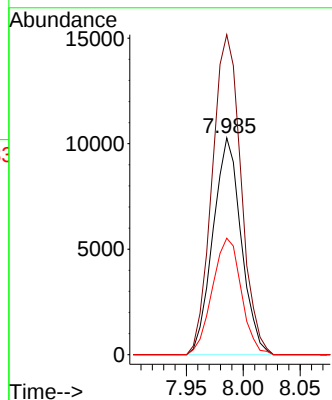
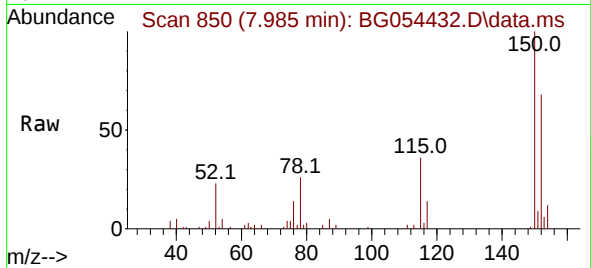




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

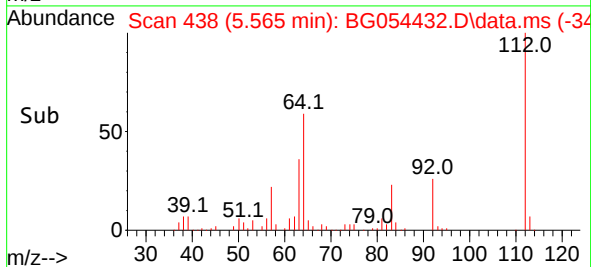
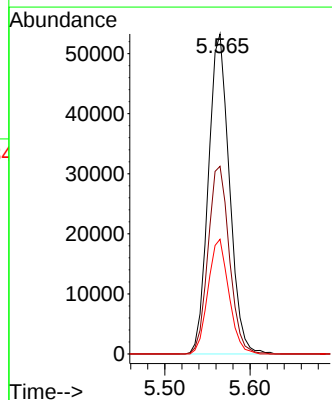
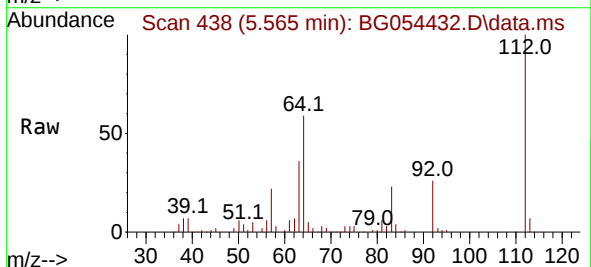
Instrument :
BNA_G
ClientSampleId :
RVE-11

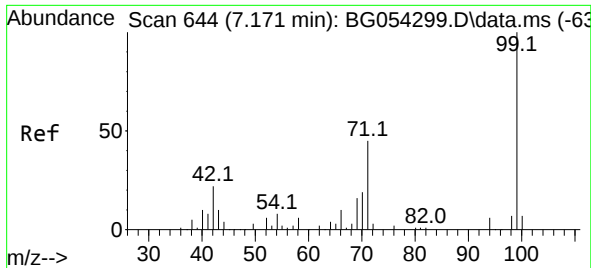
Tgt Ion:152 Resp: 17732
Ion Ratio Lower Upper
152 100
150 147.6 131.6 197.4
115 53.7 50.9 76.3



#5
2-Fluorophenol
Concen: 107.490 ng
RT: 5.565 min Scan# 438
Delta R.T. 0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:112 Resp: 91289
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.8 30.4 45.6

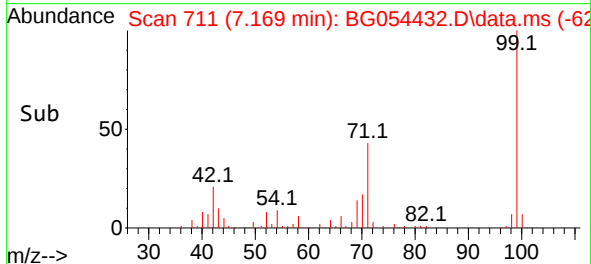
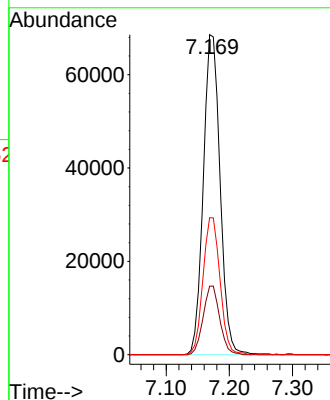
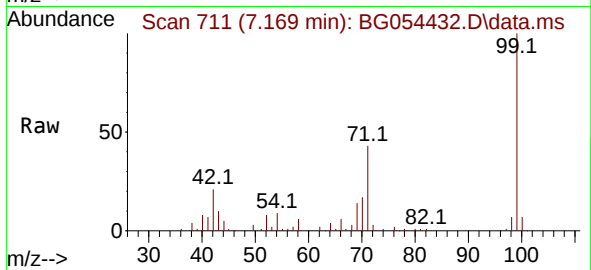




#7
Phenol-d6
Concen: 108.682 ng
RT: 7.169 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

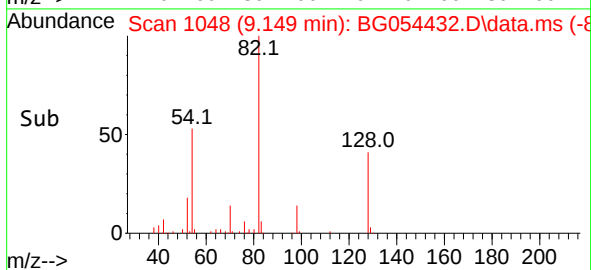
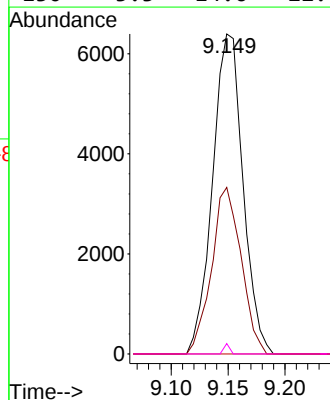
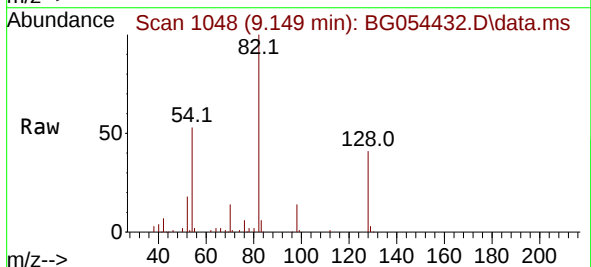
Instrument :
BNA_G
ClientSampleId :
RVE-11

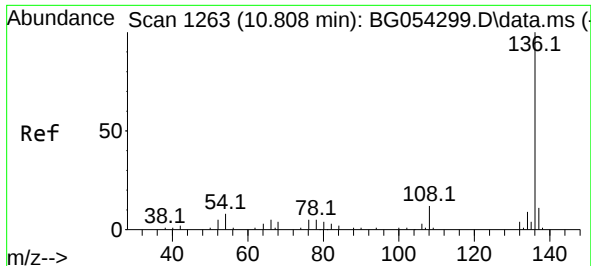
Tgt Ion: 99 Resp: 126476
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 42.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.311 ng
RT: 9.149 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion: 70 Resp: 11898
Ion Ratio Lower Upper
70 100
42 52.0 47.3 70.9
101 0.0 7.0 10.4#
130 3.3 14.6 22.0#

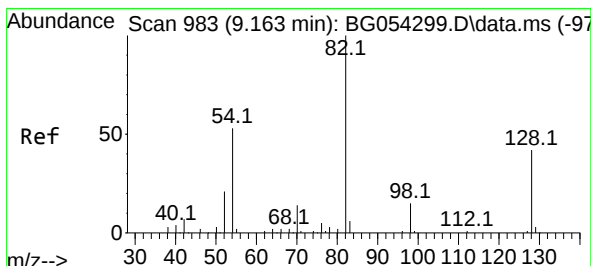
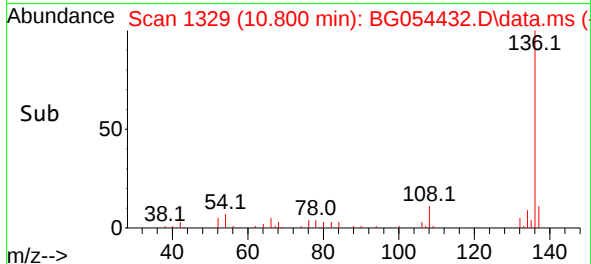
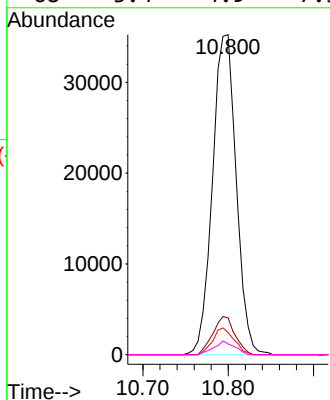
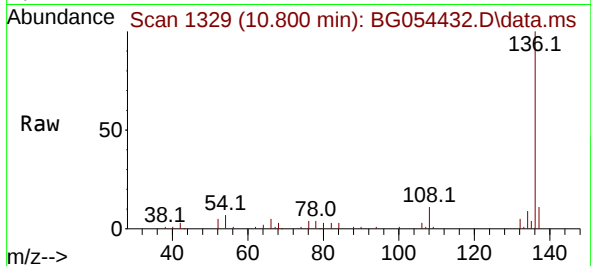




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

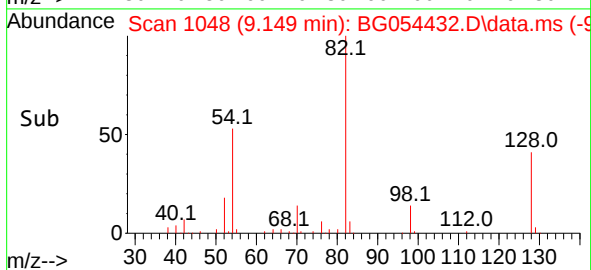
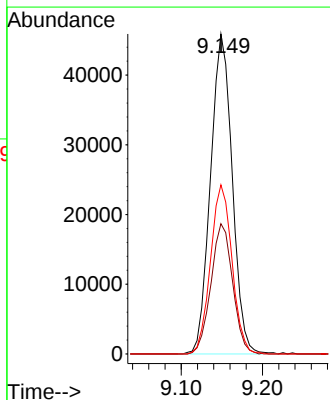
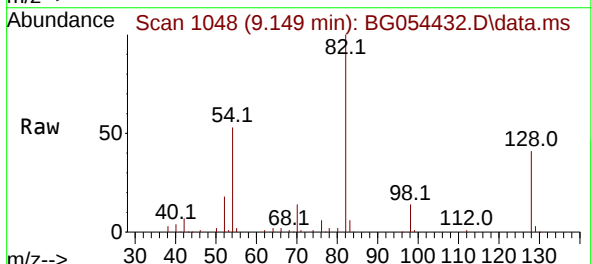
Instrument :
BNA_G
ClientSampleId :
RVE-11

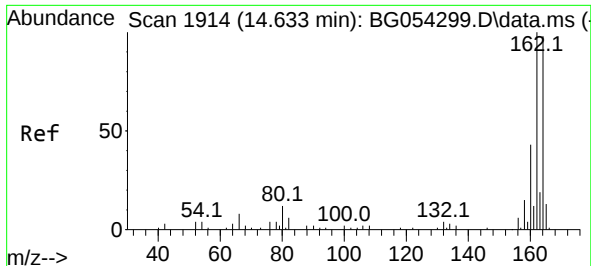
Tgt Ion:	136	Resp:	68298
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	6.9	7.4	11.2#
68	3.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 68.017 ng
RT: 9.149 min Scan# 1048
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:	82	Resp:	85304
Ion Ratio	Lower	Upper	
82	100		
128	40.7	27.9	41.9
54	52.8	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.625 min Scan# 1914

Delta R.T. 0.003 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

Instrument :

BNA_G

ClientSampleId :

RVE-11

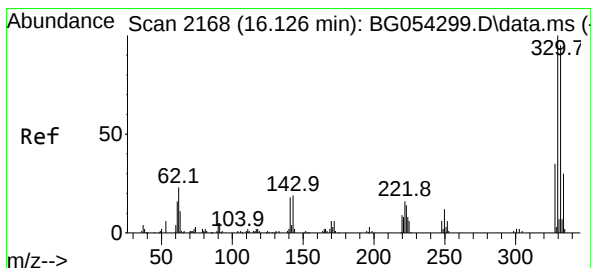
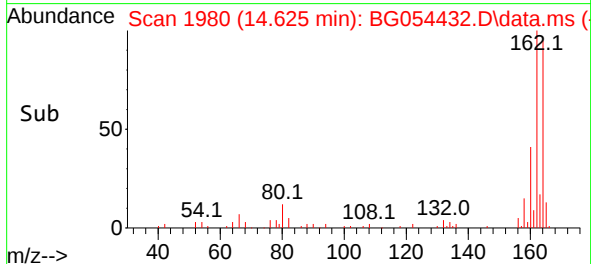
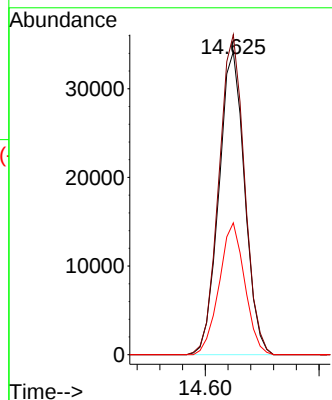
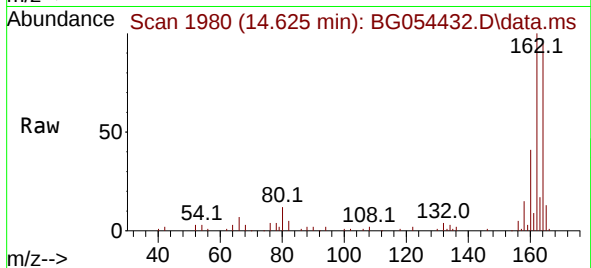
Tgt Ion:164 Resp: 53805

Ion Ratio Lower Upper

164 100

162 105.6 82.3 123.5

160 43.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 103.022 ng

RT: 16.117 min Scan# 2234

Delta R.T. 0.003 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

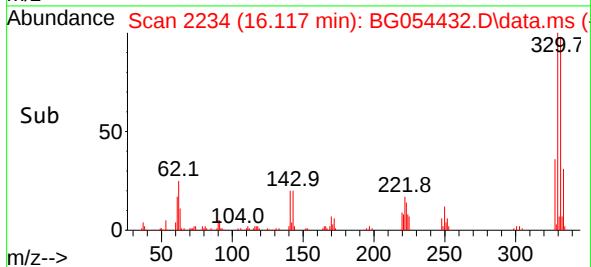
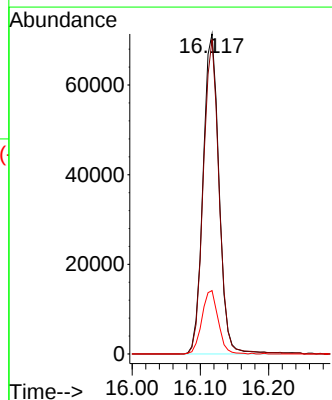
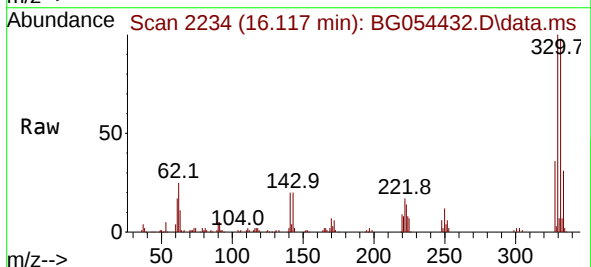
Tgt Ion:330 Resp: 116385

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 20.2 27.1 40.7#

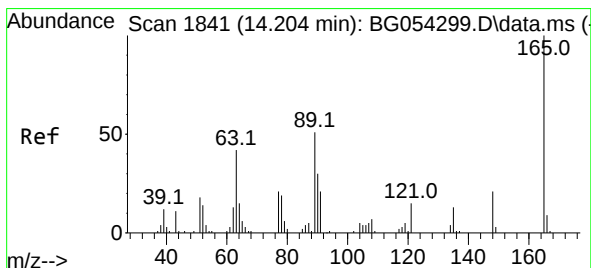
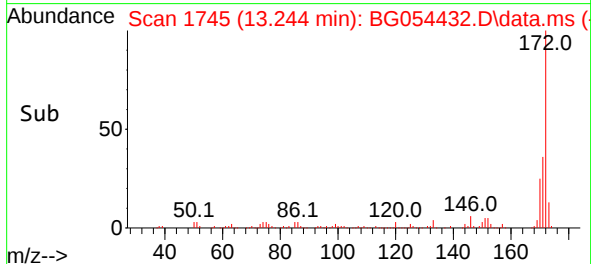
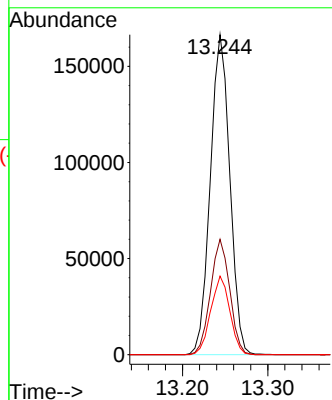
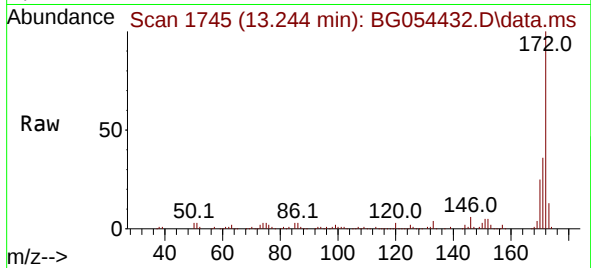




#45
2-Fluorobiphenyl
Concen: 69.553 ng
RT: 13.244 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

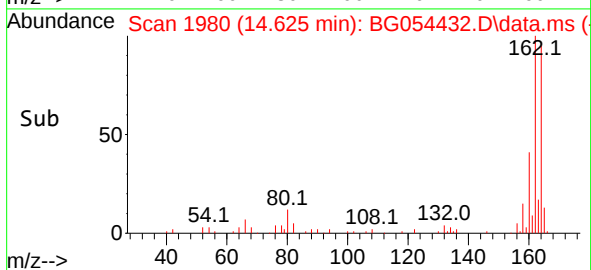
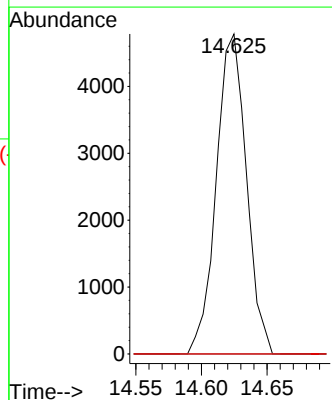
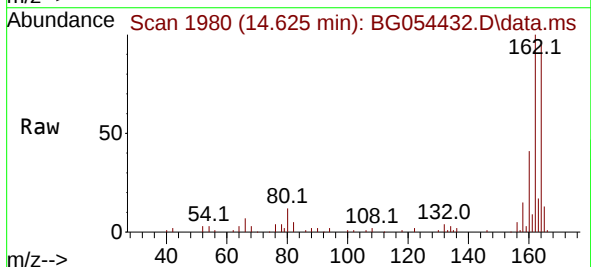
Instrument :
BNA_G
ClientSampleId :
RVE-11

Tgt Ion:172 Resp: 265281
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 24.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.273 ng
RT: 14.625 min Scan# 1980
Delta R.T. 0.426 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:165 Resp: 7626
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.771 ng

RT: 14.625 min Scan# 14

Delta R.T. -0.367 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

Instrument :

BNA_G

ClientSampleId :

RVE-11

Tgt Ion:165 Resp: 7626

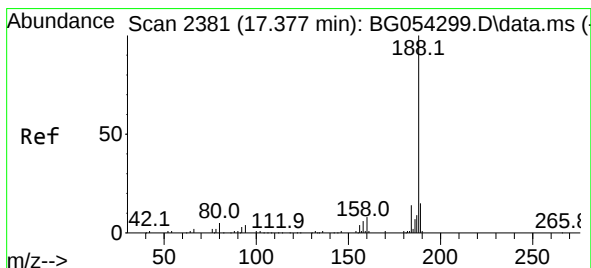
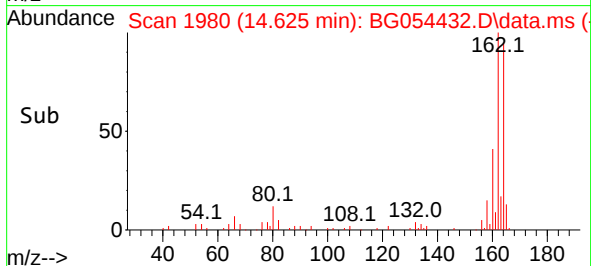
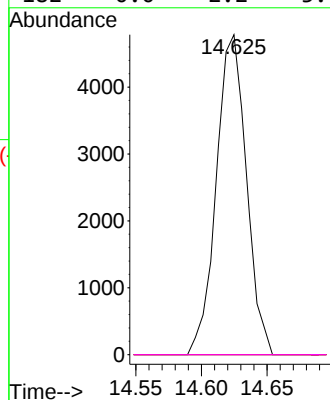
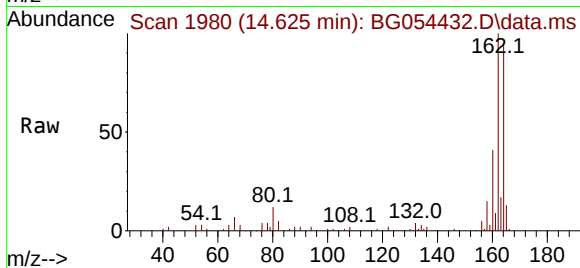
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.369 min Scan# 2447

Delta R.T. -0.003 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

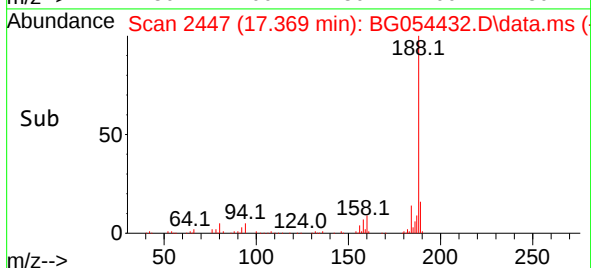
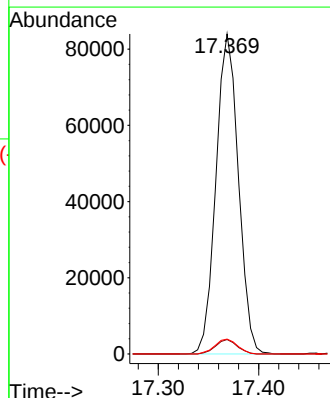
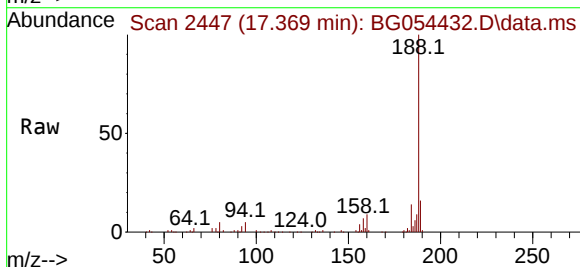
Tgt Ion:188 Resp: 130287

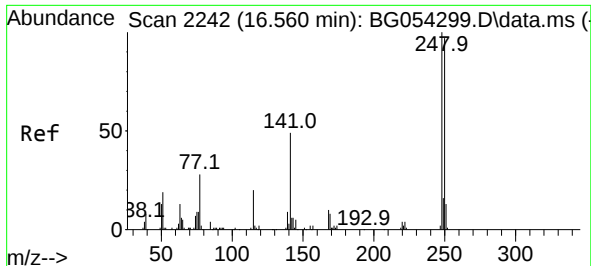
Ion Ratio Lower Upper

188 100

94 4.5 5.4 8.0#

80 4.6 6.8 10.2#

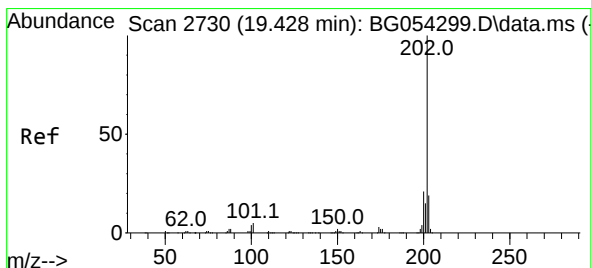
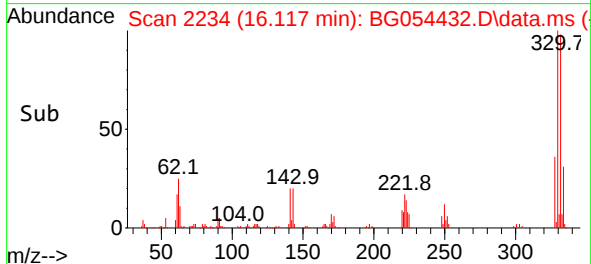
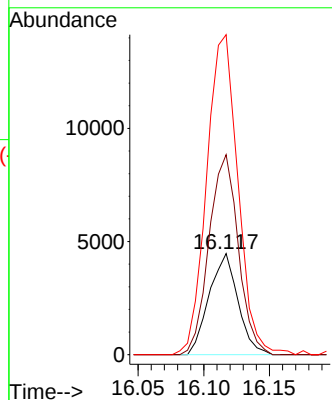
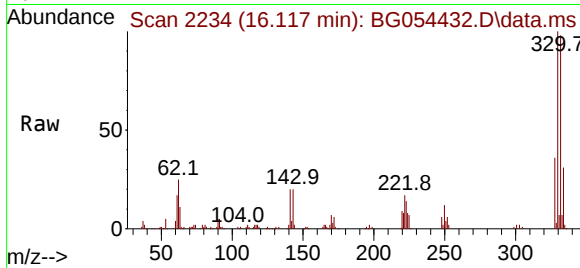




#67
4-Bromophenyl-phenylether
Concen: 3.734 ng
RT: 16.117 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

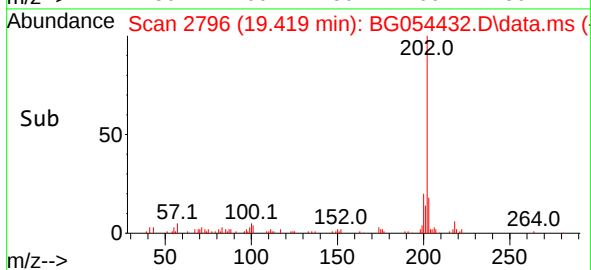
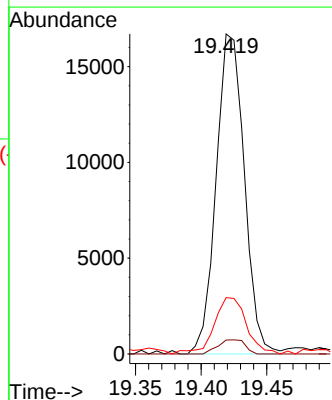
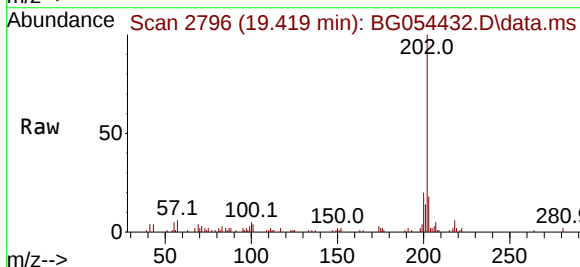
Instrument :
BNA_G
ClientSampleId :
RVE-11

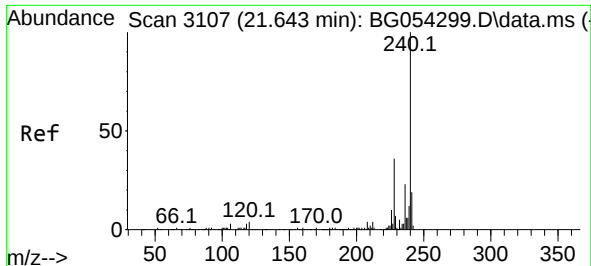
Tgt Ion:248 Resp: 6832
Ion Ratio Lower Upper
248 100
250 155.7 75.2 112.8#
141 249.2 50.0 75.0#



#75
Fluoranthene
Concen: 2.822 ng
RT: 19.419 min Scan# 2796
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:202 Resp: 24955
Ion Ratio Lower Upper
202 100
101 4.4 0.0 26.9
203 17.6 0.0 37.2

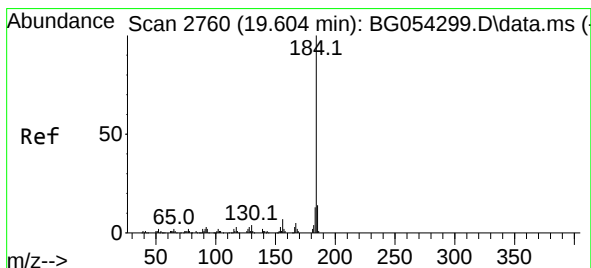
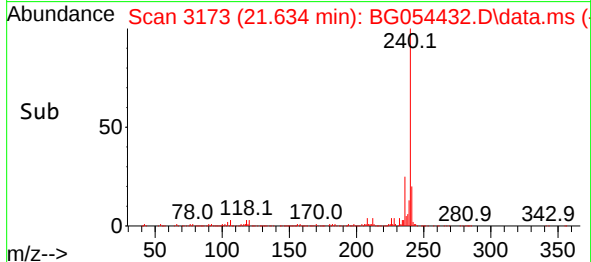
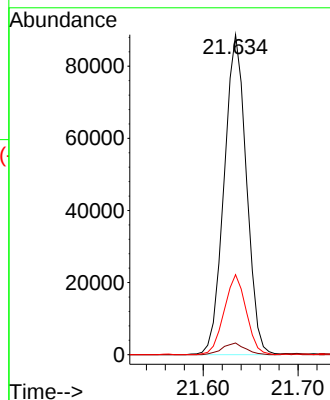
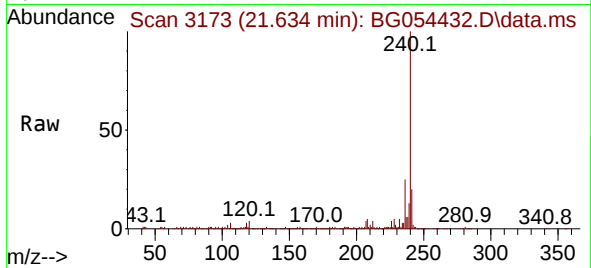




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

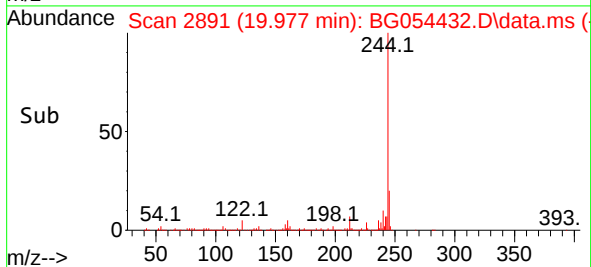
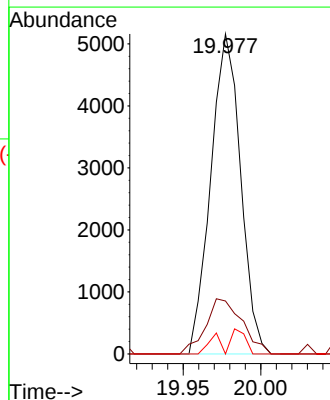
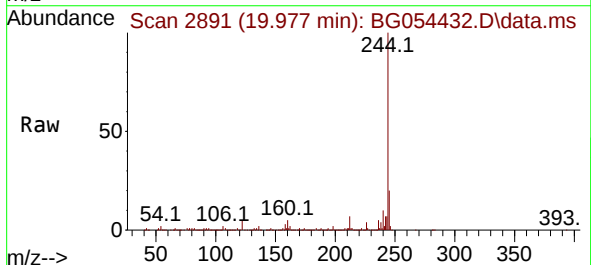
Instrument :
BNA_G
ClientSampleId :
RVE-11

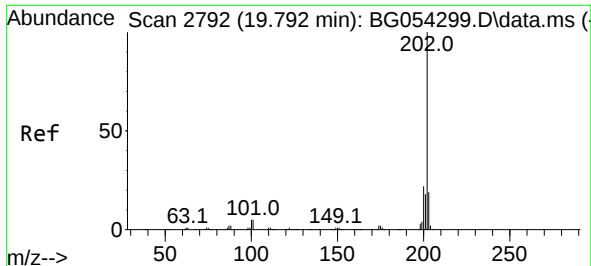
Tgt Ion:240 Resp: 144941
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.0 20.2 30.4



#77
Benzidine
Concen: 2.629 ng
RT: 19.977 min Scan# 2891
Delta R.T. 0.379 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:184 Resp: 6901
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.6
183 0.0 8.9 13.3#

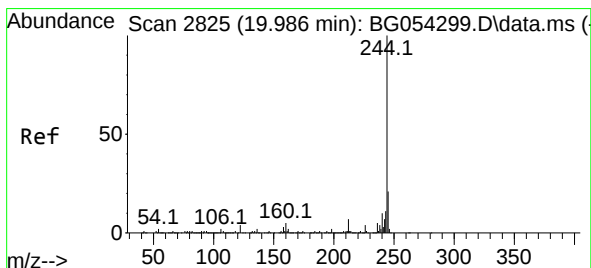
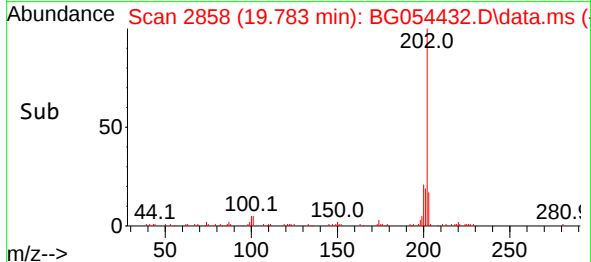
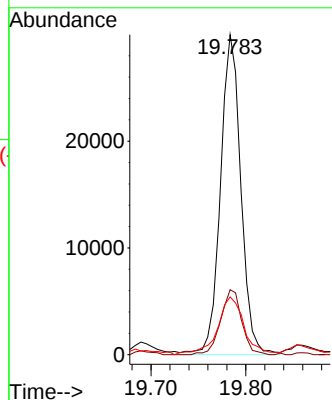
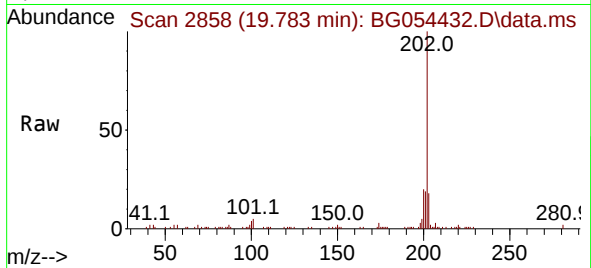




#78
Pyrene
Concen: 5.404 ng
RT: 19.783 min Scan# 2858
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

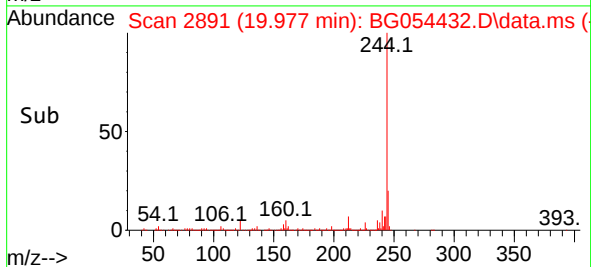
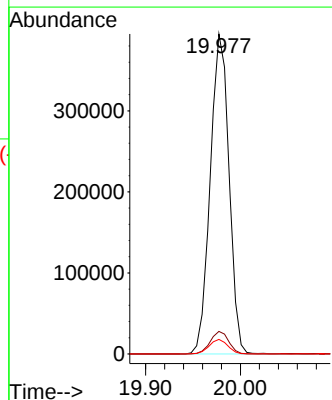
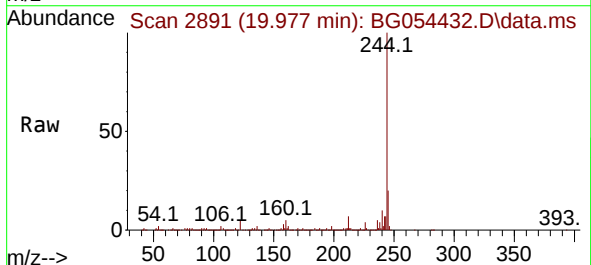
Instrument :
BNA_G
ClientSampleId :
RVE-11

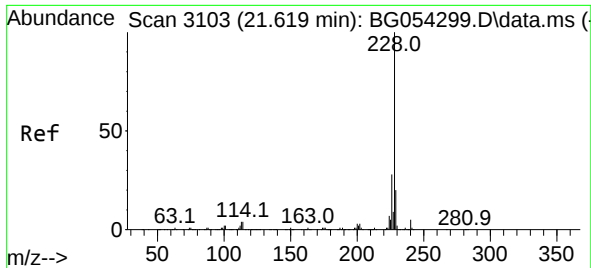
Tgt Ion:202 Resp: 44940
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 18.1 14.6 21.8



#79
Terphenyl-d14
Concen: 74.241 ng
RT: 19.977 min Scan# 2891
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:244 Resp: 542420
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.5 5.0 7.4#

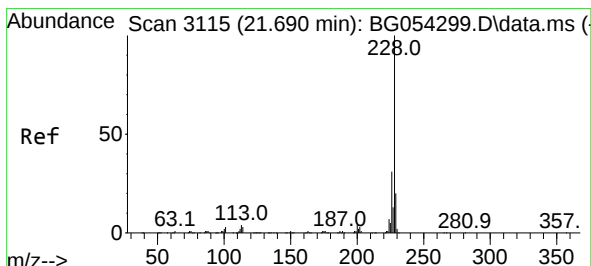
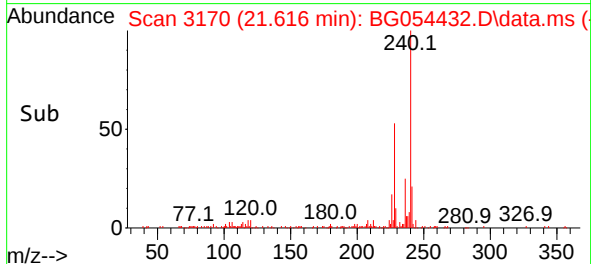
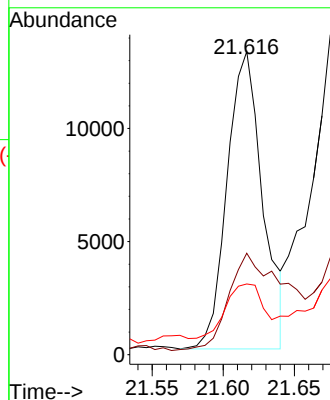
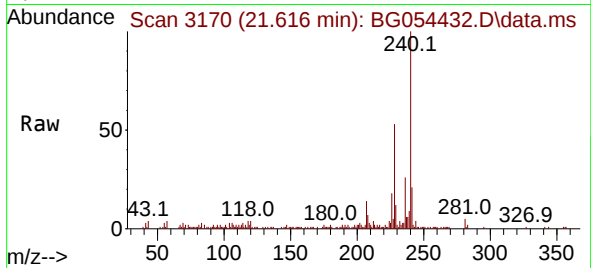




#81
Benzo(a)anthracene
Concen: 2.491 ng
RT: 21.616 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

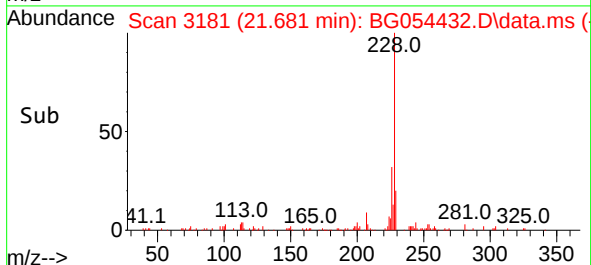
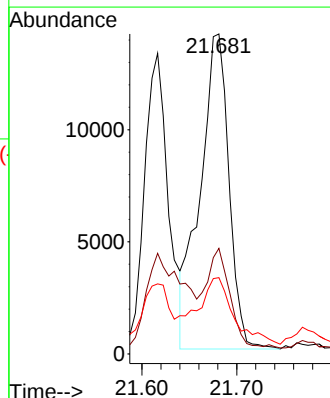
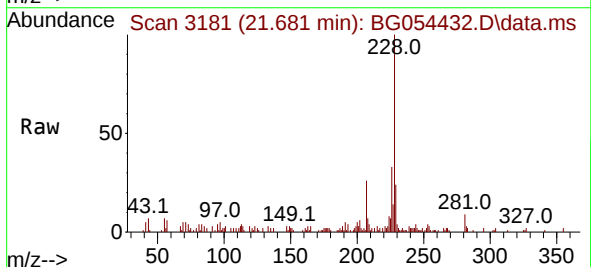
Instrument :
BNA_G
ClientSampleId :
RVE-11

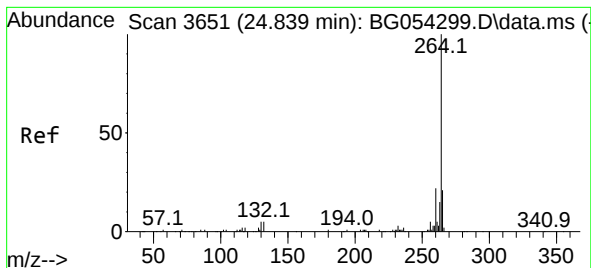
Tgt Ion:228 Resp: 22923
Ion Ratio Lower Upper
228 100
226 33.5 21.6 32.4#
229 23.3 16.2 24.2



#83
Chrysene
Concen: 3.436 ng
RT: 21.681 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

Tgt Ion:228 Resp: 29870
Ion Ratio Lower Upper
228 100
226 33.0 23.4 35.2
229 23.9 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.836 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

Instrument :

BNA_G

ClientSampleId :

RVE-11

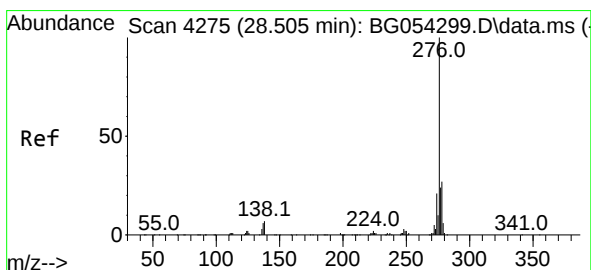
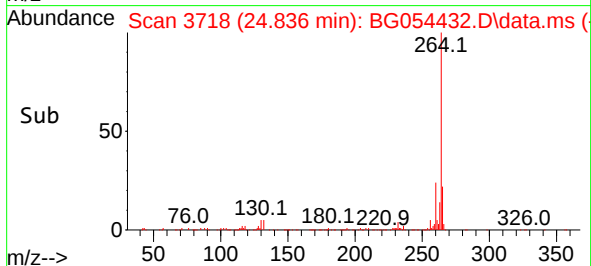
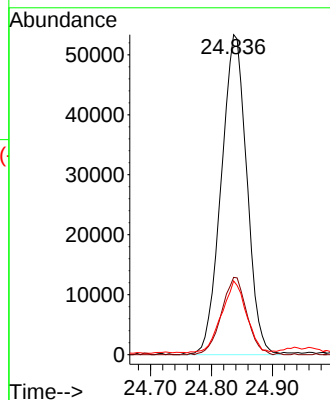
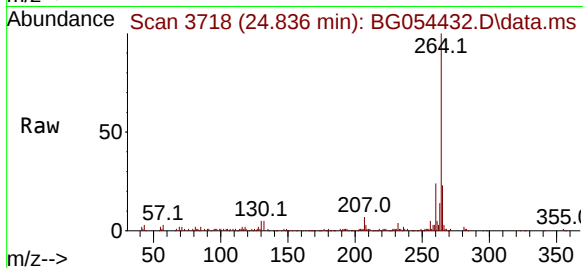
Tgt Ion:264 Resp: 155515

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 23.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.158 ng

RT: 28.508 min Scan# 4343

Delta R.T. -0.009 min

Lab File: BG054432.D

Acq: 28 Jul 2022 15:03

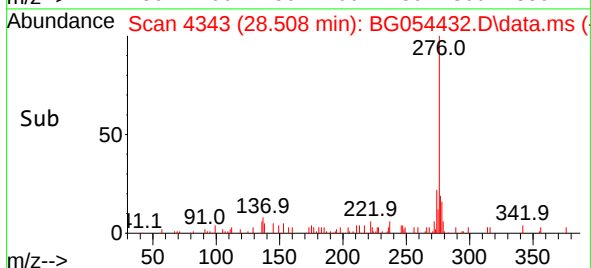
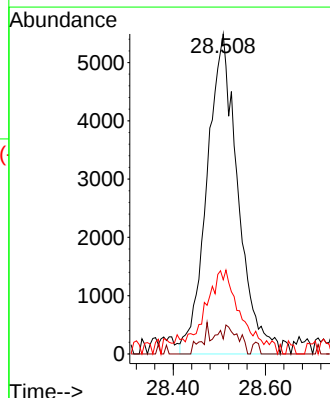
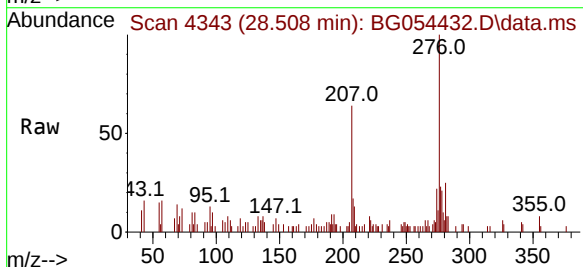
Tgt Ion:276 Resp: 25525

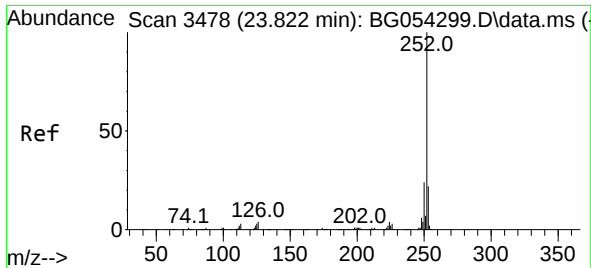
Ion Ratio Lower Upper

276 100

138 5.6 5.0 7.4

277 24.3 20.3 30.5

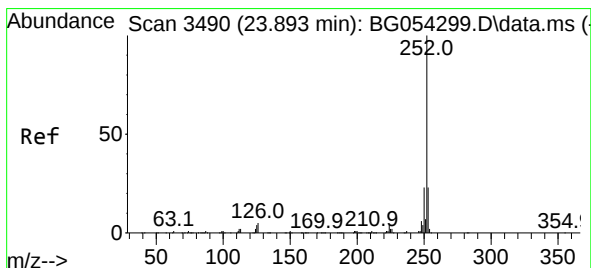
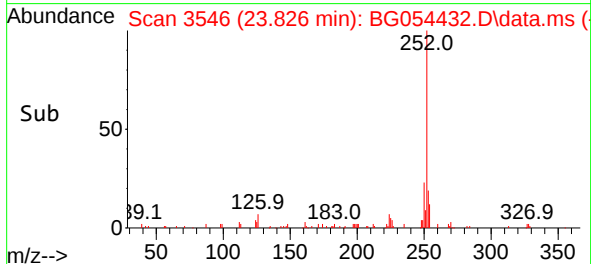
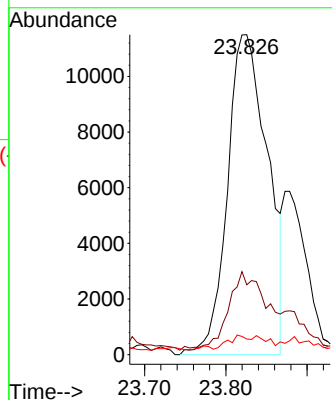
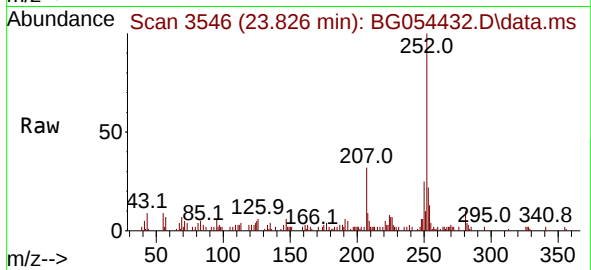




#88
Benzo(b)fluoranthene
Concen: 4.294 ng
RT: 23.826 min Scan# 3546
Delta R.T. 0.003 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

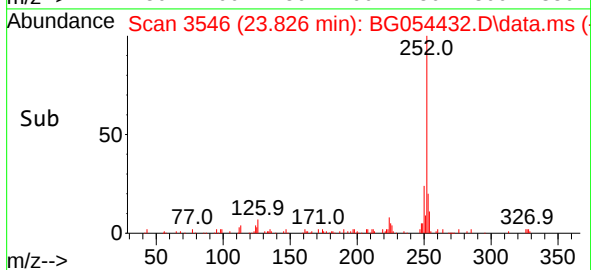
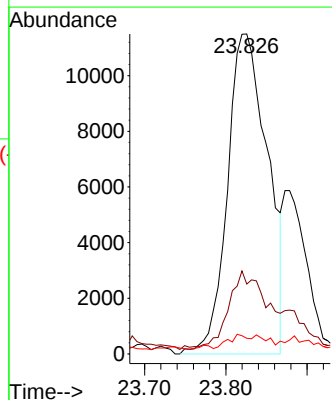
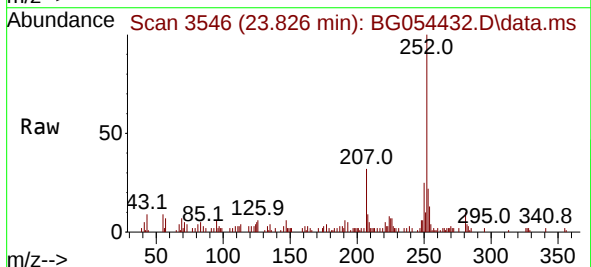
Instrument :
BNA_G
ClientSampleId :
RVE-11

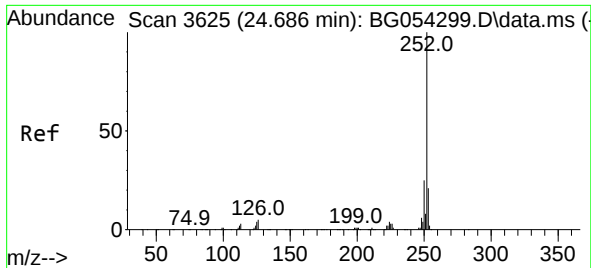
Tgt Ion:252 Resp: 39490
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 4.9 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 4.314 ng
RT: 23.826 min Scan# 3546
Delta R.T. -0.062 min
Lab File: BG054432.D
Acq: 28 Jul 2022 15:03

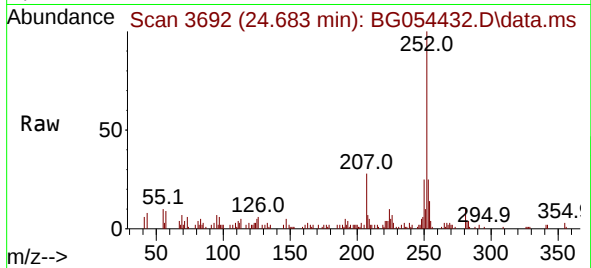
Tgt Ion:252 Resp: 39490
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 4.9 4.8 7.2





#90
 Benzo(a)pyrene
 Concen: 4.407 ng
 RT: 24.683 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG054432.D
 Acq: 28 Jul 2022 15:03

Instrument :
 BNA_G
 ClientSampleId :
 RVE-11



Tgt Ion:252 Resp: 34611
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.8 26.8
 125 5.4 4.3 6.5

