

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054429.D
 Acq On : 28 Jul 2022 12:59
 Operator : CG/JU
 Sample : N3893-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-5

Quant Time: Jul 29 04:08:18 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)

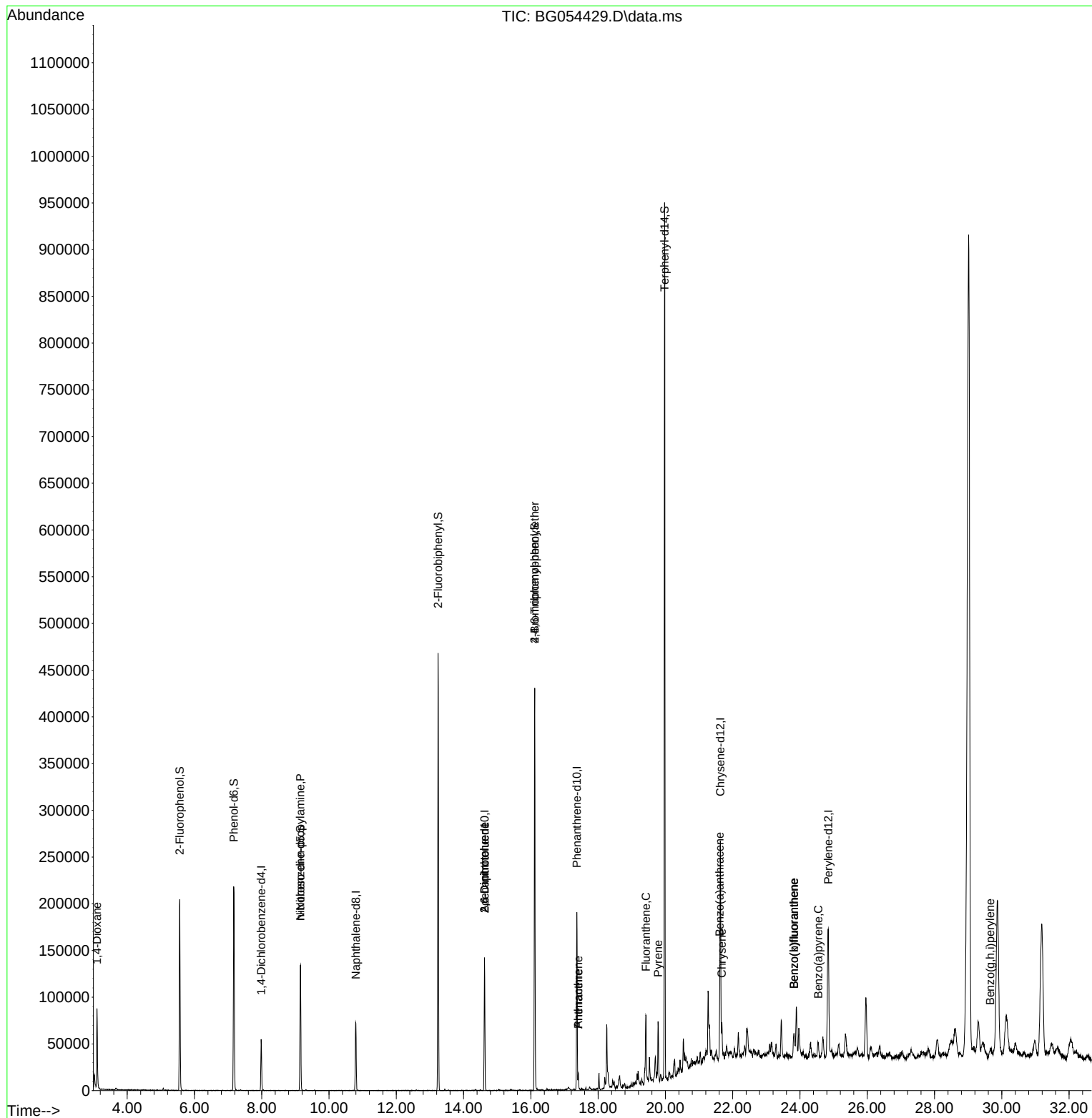
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	16751	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	69142	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	55608	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	137083	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	149652	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	158776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	93106	116.050	ng	0.00
7) Phenol-d6	7.167	99	126984	115.509	ng	0.00
23) Nitrobenzene-d5	9.147	82	84488	66.544	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	114221	97.829	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	266725	67.664	ng	0.00
79) Terphenyl-d14	19.976	244	531112	70.405	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.101	88	760	2.381	ng	# 1
9) Benzaldehyde	7.173	77	178	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.147	70	12302	16.758	ng	# 76
51) 2,6-Dinitrotoluene	14.623	165	7258	7.618	ng	# 16
57) 2,4-Dinitrotoluene	14.623	165	7258	5.314	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	6712	3.486	ng	# 1
71) Phenanthrene	17.408	178	13843	2.028	ng	99
72) Anthracene	17.408	178	13843	2.066	ng	98
75) Fluoranthene	19.423	202	36796	3.954	ng	96
78) Pyrene	19.782	202	40439	4.709	ng	96
81) Benzo(a)anthracene	21.615	228	20841	2.194	ng	98
83) Chrysene	21.679	228	26050	2.902	ng	96
88) Benzo(b)fluoranthene	23.824	252	32112	3.420	ng	99
89) Benzo(k)fluoranthene	23.824	252	32112	3.436	ng	99
90) Benzo(a)pyrene	24.541	252	18626	2.323	ng	96
92) Benzo(g,h,i)perylene	29.658	276	20226	2.063	ng	# 95

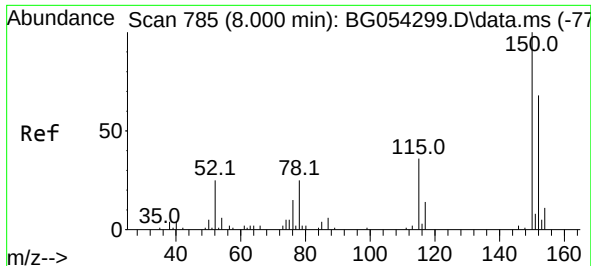
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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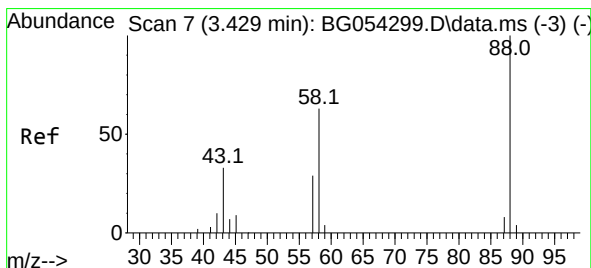
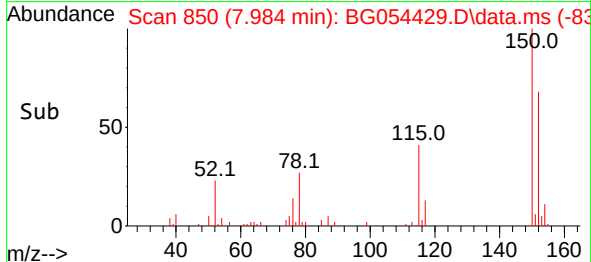
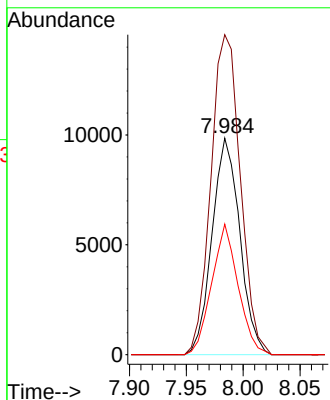
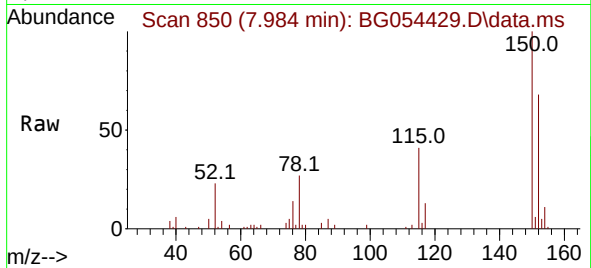




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054429.D
 Acq: 28 Jul 2022 12:59

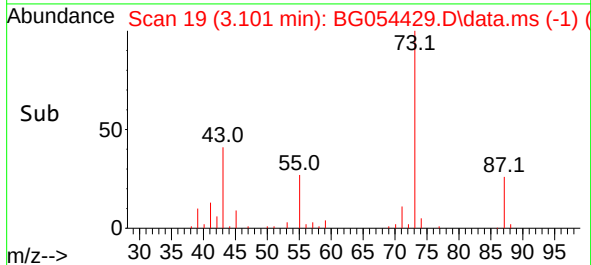
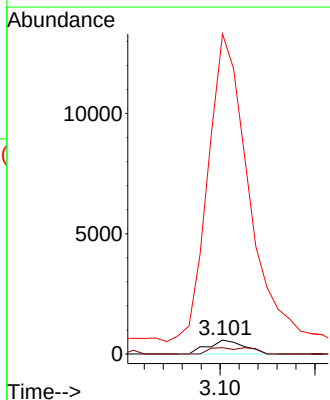
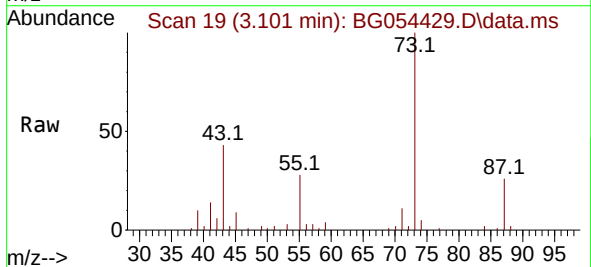
Instrument :
 BNA_G
 ClientSampleId :
 RVE-5

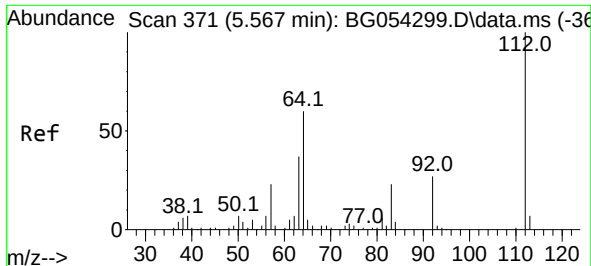
Tgt Ion:152 Resp: 16751
 Ion Ratio Lower Upper
 152 100
 150 147.8 131.6 197.4
 115 60.3 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.381 ng
 RT: 3.101 min Scan# 19
 Delta R.T. -0.316 min
 Lab File: BG054429.D
 Acq: 28 Jul 2022 12:59

Tgt Ion: 88 Resp: 760
 Ion Ratio Lower Upper
 88 100
 58 53.6 59.2 88.8#
 43 2584.7 24.3 36.5#

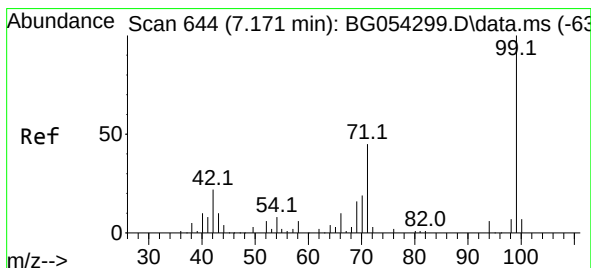
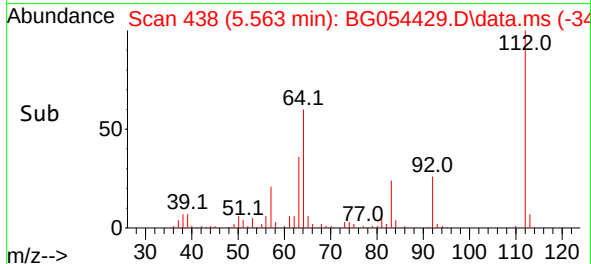
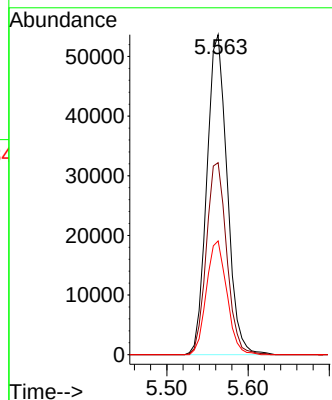
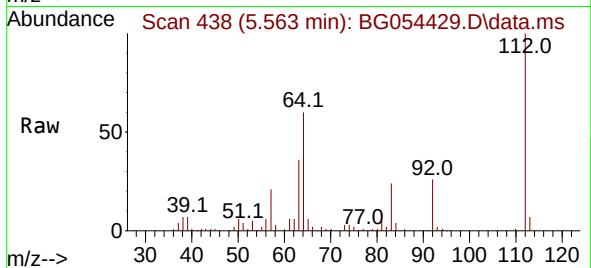




#5
2-Fluorophenol
Concen: 116.050 ng
RT: 5.563 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

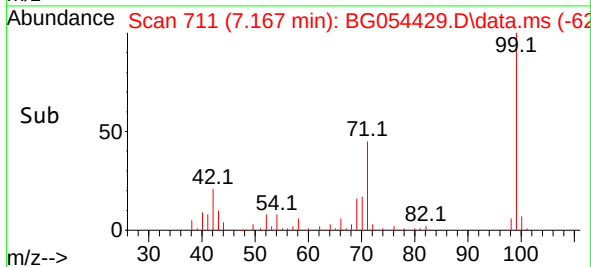
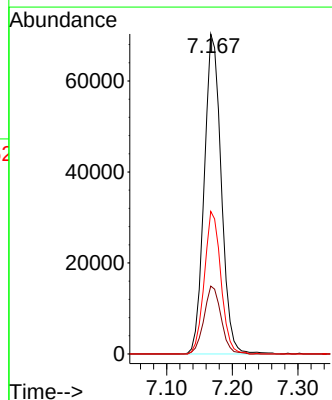
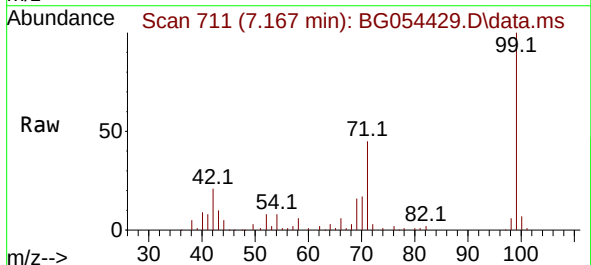
Instrument :
BNA_G
ClientSampleId :
RVE-5

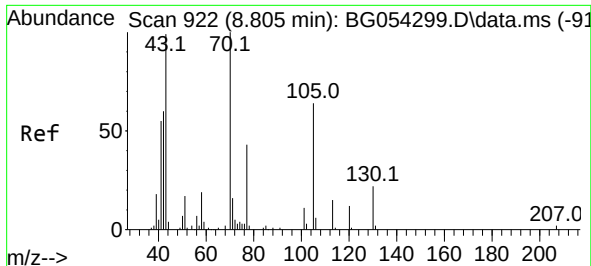
Tgt Ion:112 Resp: 93106
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 35.6 30.4 45.6



#7
Phenol-d6
Concen: 115.509 ng
RT: 7.167 min Scan# 711
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion: 99 Resp: 126984
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 44.5 33.8 50.8

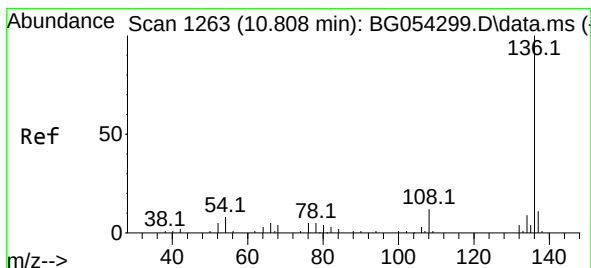
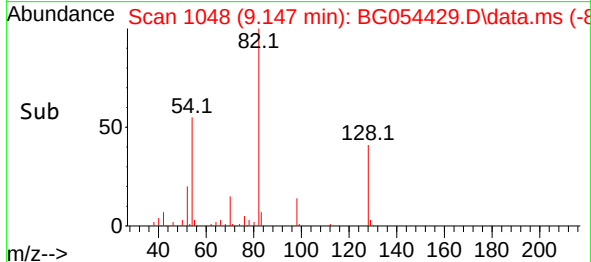
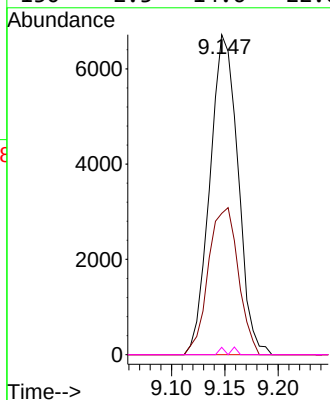
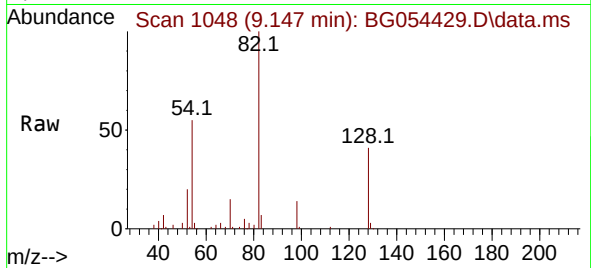




#19
n-Nitroso-di-n-propylamine
Concen: 16.758 ng
RT: 9.147 min Scan# 1048
Delta R.T. 0.354 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

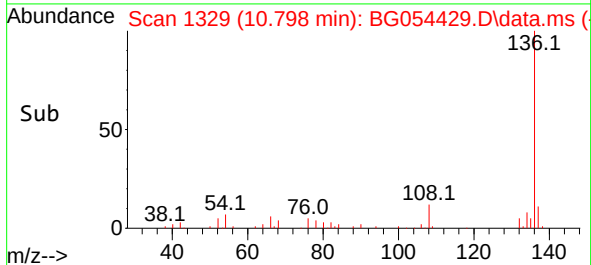
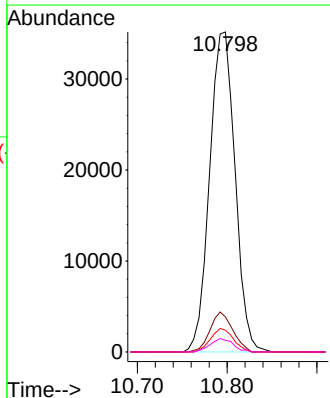
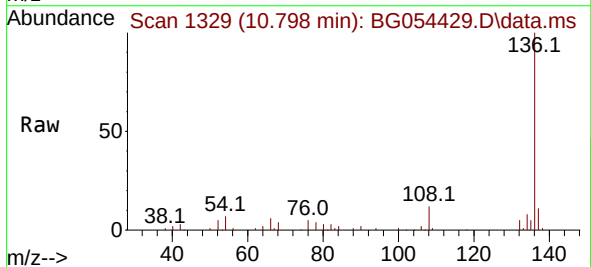
Instrument :
BNA_G
ClientSampleId :
RVE-5

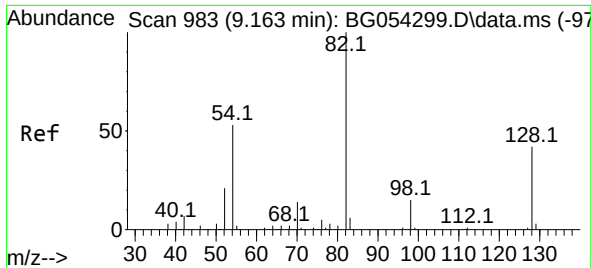
Tgt Ion:	70	Resp:	12302
Ion	Ratio	Lower	Upper
70	100		
42	44.2	47.3	70.9#
101	0.0	7.0	10.4#
130	2.3	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. 0.001 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:	136	Resp:	69142
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.8	7.4	11.2#
68	3.7	4.9	7.3#

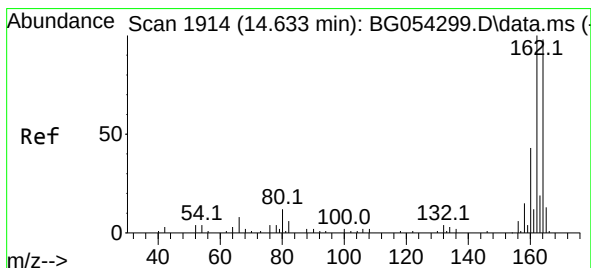
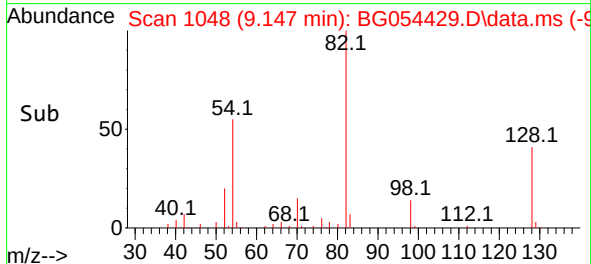
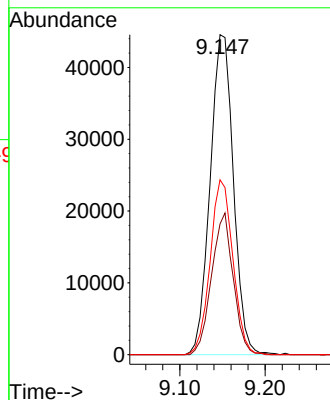
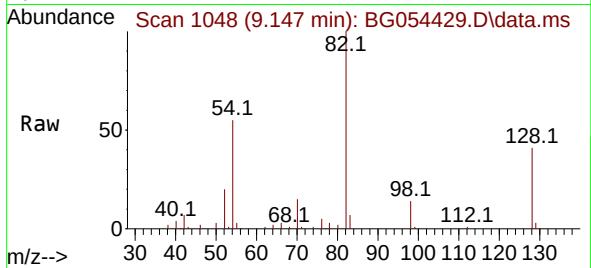




#23
Nitrobenzene-d5
Concen: 66.544 ng
RT: 9.147 min Scan# 1048
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

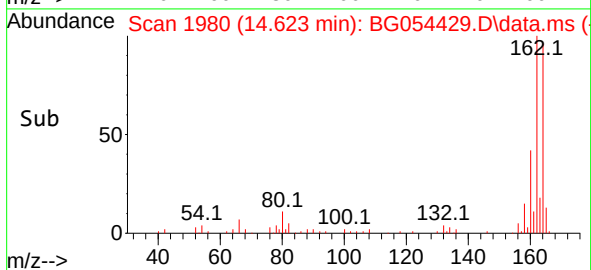
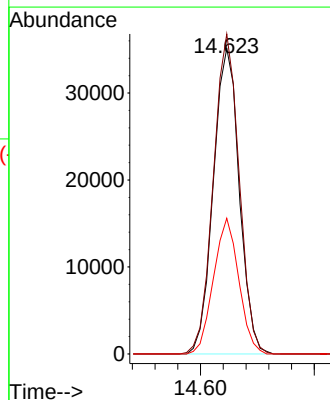
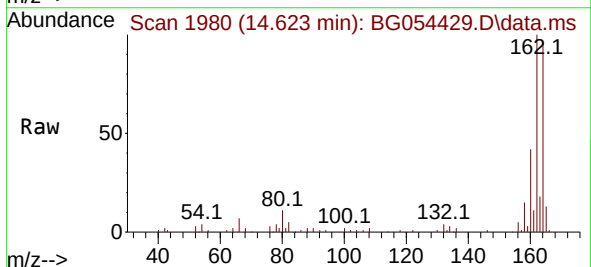
Instrument :
BNA_G
ClientSampleId :
RVE-5

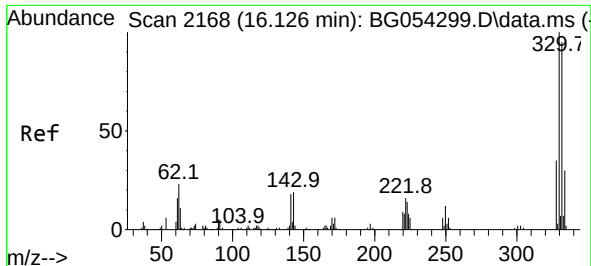
Tgt Ion: 82 Resp: 84488
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 54.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. 0.001 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:164 Resp: 55608
Ion Ratio Lower Upper
164 100
162 104.7 82.3 123.5
160 44.4 34.2 51.2

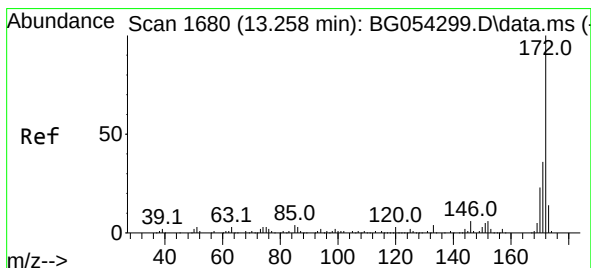
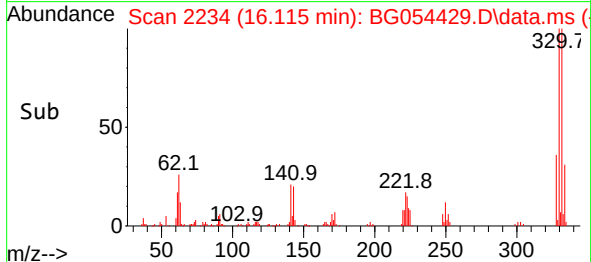
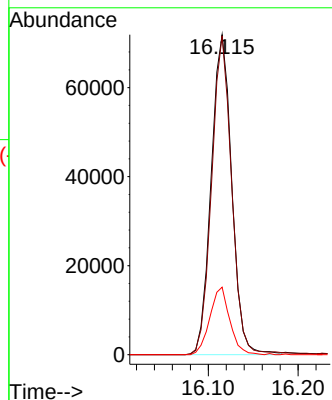
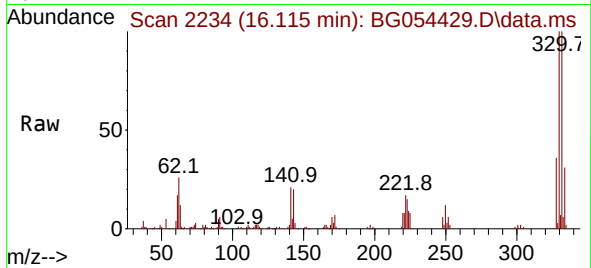




#42
2,4,6-Tribromophenol
Concen: 97.829 ng
RT: 16.115 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

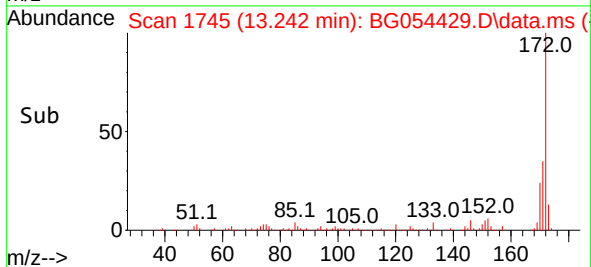
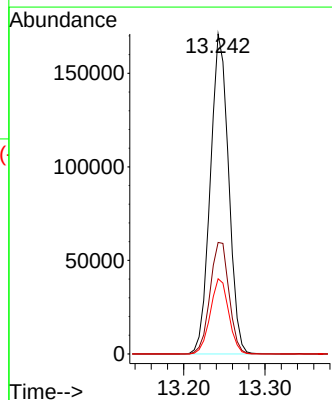
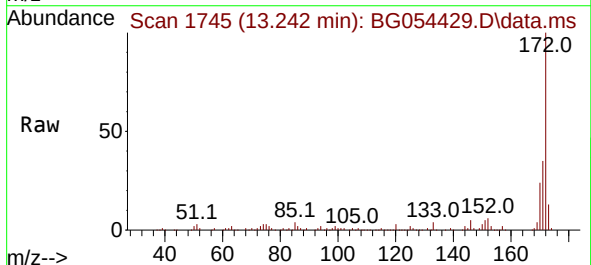
Instrument :
BNA_G
ClientSampleId :
RVE-5

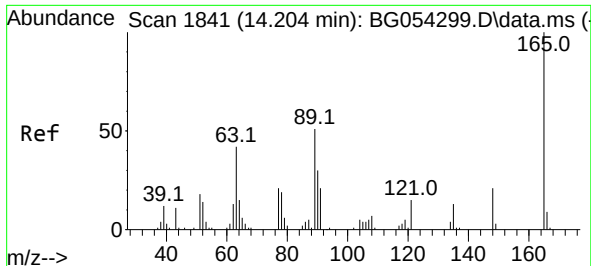
Tgt Ion:330 Resp: 114221
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 20.5 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 67.664 ng
RT: 13.242 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:172 Resp: 266725
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 7.618 ng

RT: 14.623 min Scan# 1980

Delta R.T. 0.424 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

Instrument :

BNA_G

ClientSampleId :

RVE-5

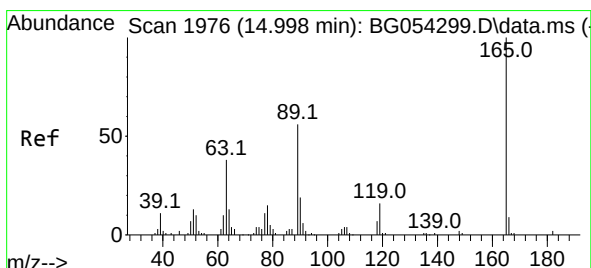
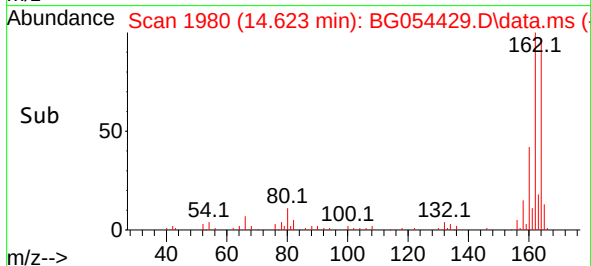
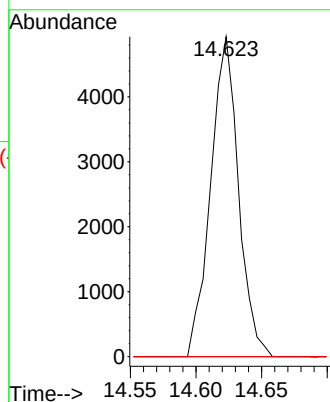
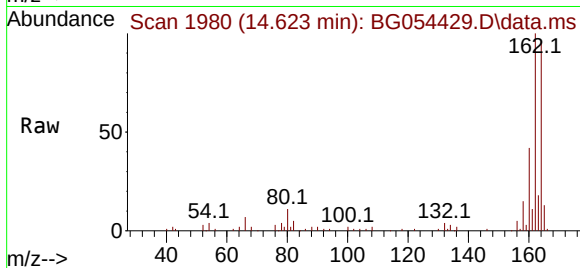
Tgt Ion:165 Resp: 7258

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: 5.314 ng

RT: 14.623 min Scan# 1980

Delta R.T. -0.369 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

Tgt Ion:165 Resp: 7258

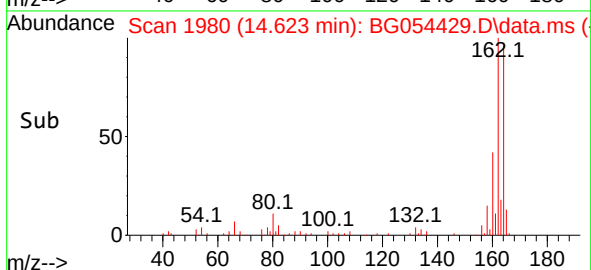
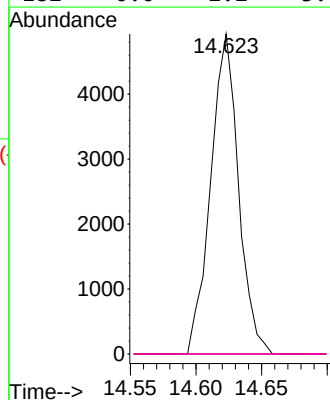
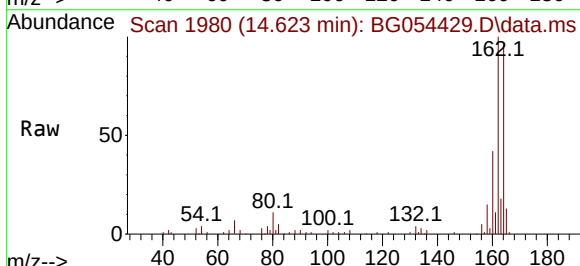
Ion Ratio Lower Upper

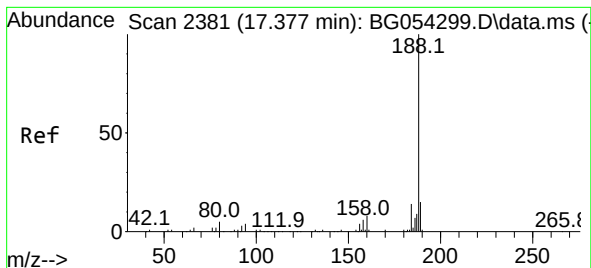
165 100

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: 17.367 min Scan# 2447

Delta R.T. -0.005 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

Instrument :

BNA_G

ClientSampleId :

RVE-5

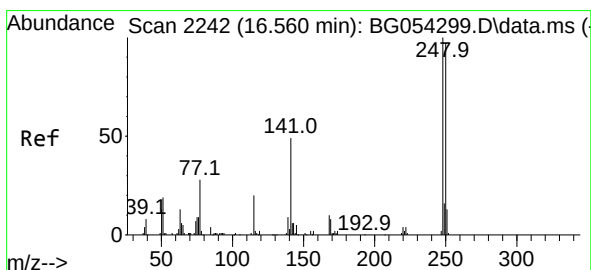
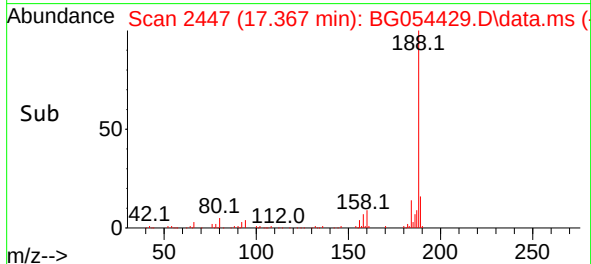
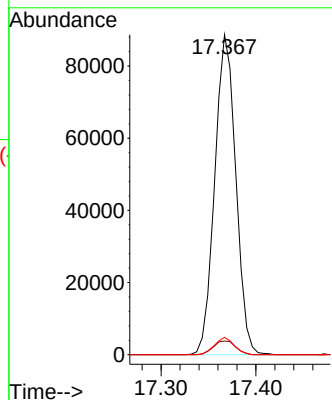
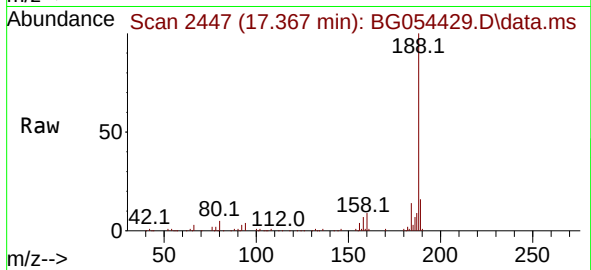
Tgt Ion:188 Resp: 137083

Ion Ratio Lower Upper

188 100

94 4.3 5.4 8.0#

80 5.4 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.486 ng

RT: 16.115 min Scan# 2234

Delta R.T. -0.439 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

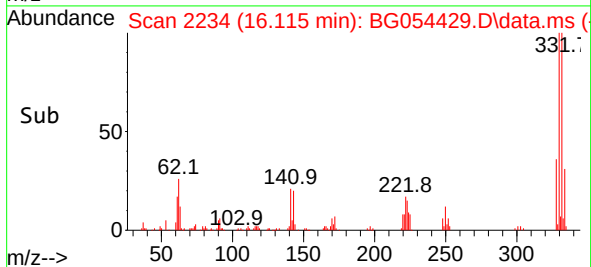
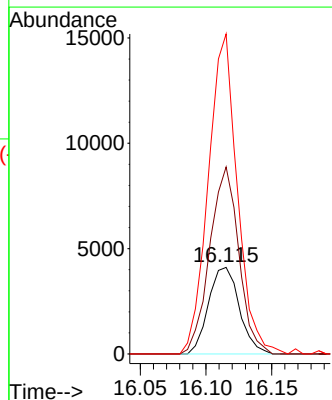
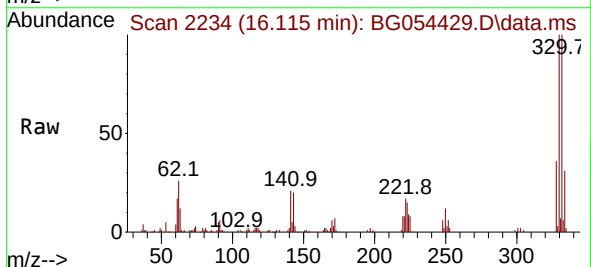
Tgt Ion:248 Resp: 6712

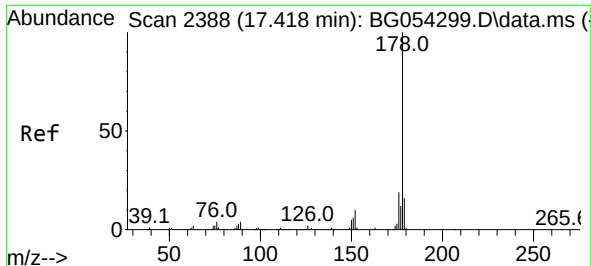
Ion Ratio Lower Upper

248 100

250 159.7 75.2 112.8#

141 273.3 50.0 75.0#

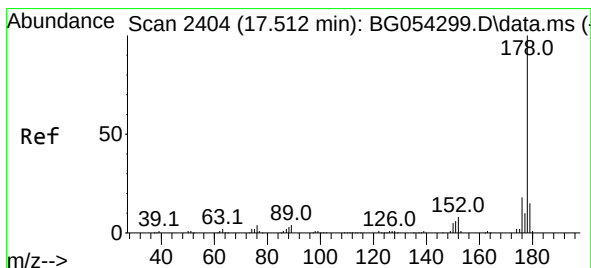
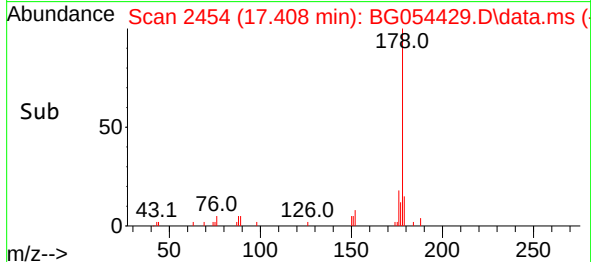
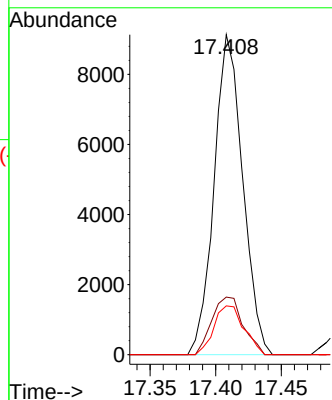
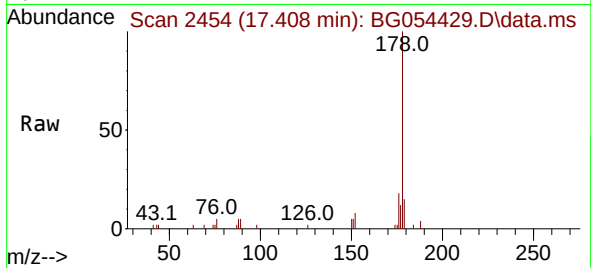




#71
Phenanthrene
Concen: 2.028 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

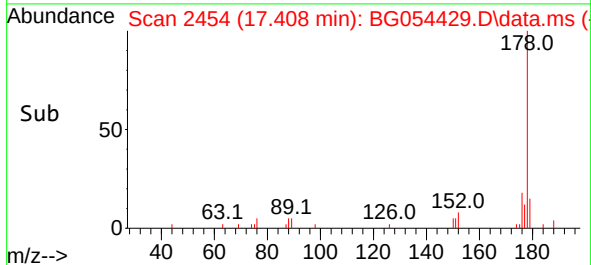
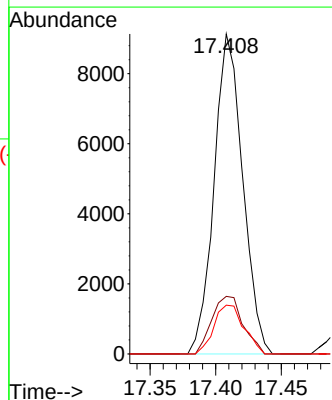
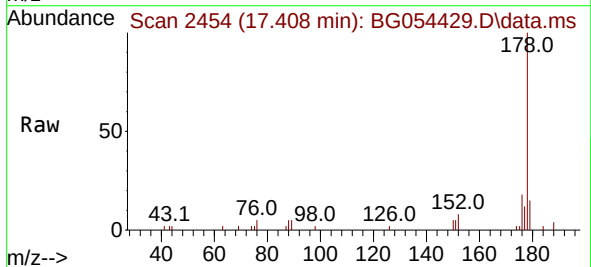
Instrument :
BNA_G
ClientSampleId :
RVE-5

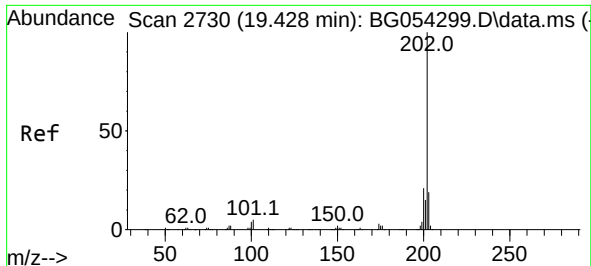
Tgt Ion:178 Resp: 13843
Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 15.3 12.1 18.1



#72
Anthracene
Concen: 2.066 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.093 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:178 Resp: 13843
Ion Ratio Lower Upper
178 100
176 18.0 15.2 22.8
179 15.3 13.0 19.4

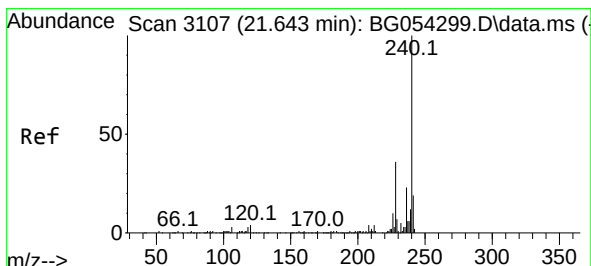
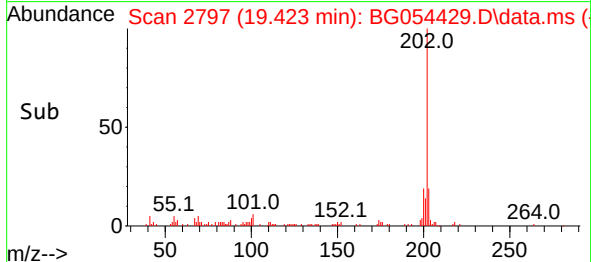
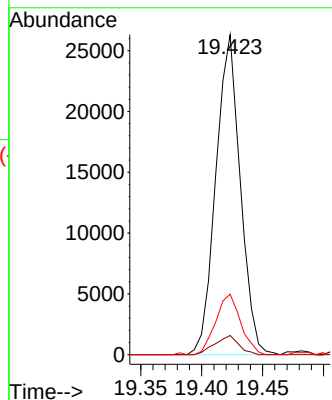
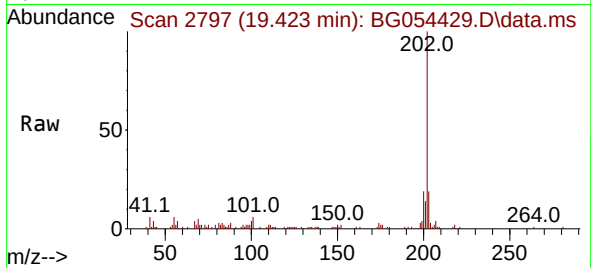




#75
Fluoranthene
Concen: 3.954 ng
RT: 19.423 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

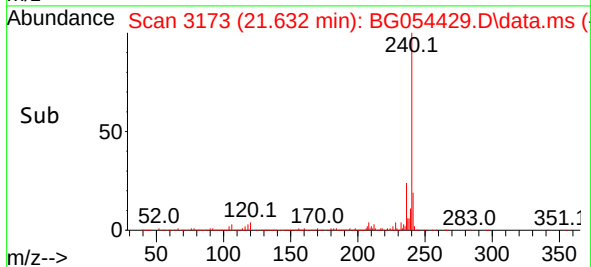
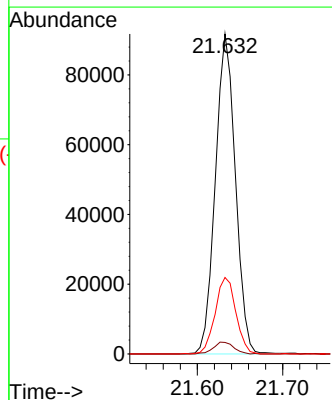
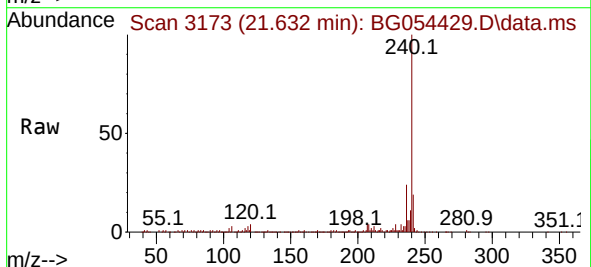
Instrument :
BNA_G
ClientSampleId :
RVE-5

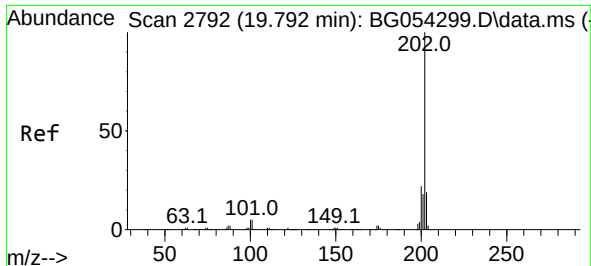
Tgt Ion:202 Resp: 36796
Ion Ratio Lower Upper
202 100
101 6.0 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 3173
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:240 Resp: 149652
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 23.9 20.2 30.4

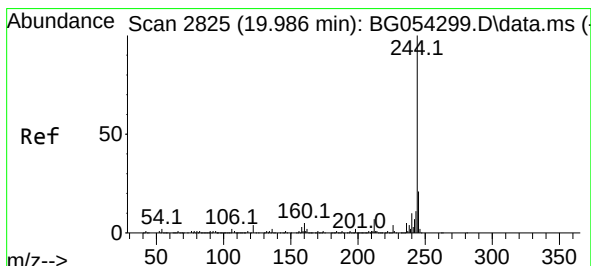
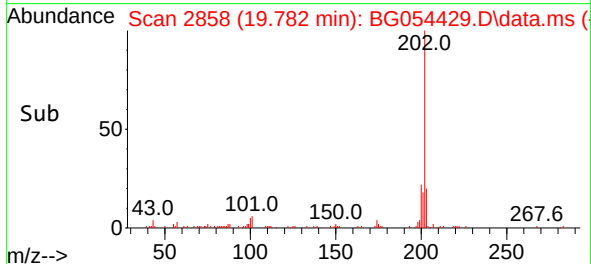
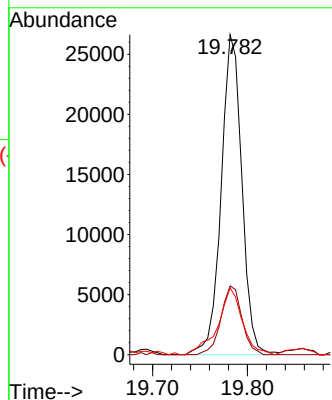
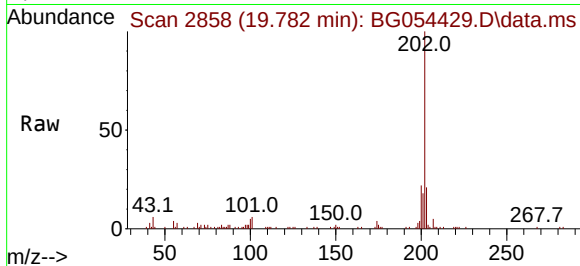




#78
Pyrene
Concen: 4.709 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

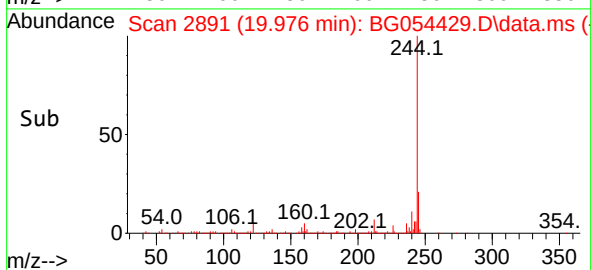
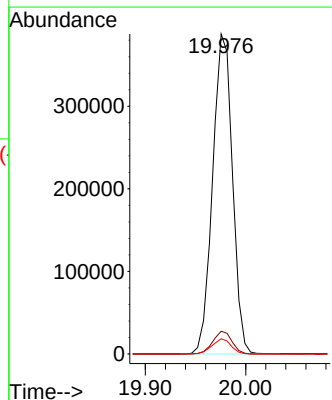
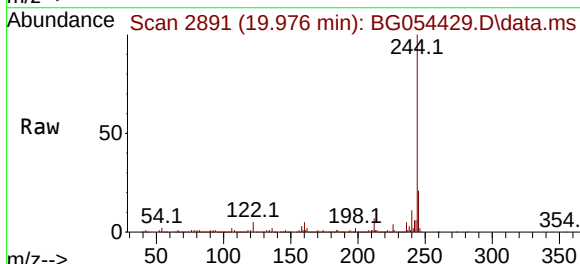
Instrument :
BNA_G
ClientSampleId :
RVE-5

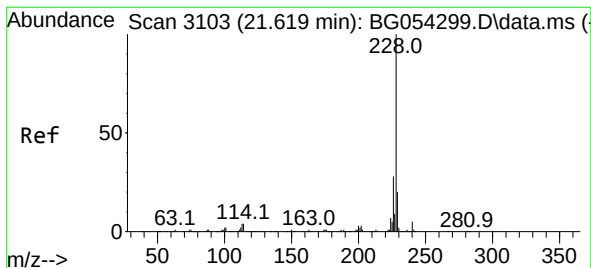
Tgt Ion:202 Resp: 40439
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 20.9 14.6 21.8



#79
Terphenyl-d14
Concen: 70.405 ng
RT: 19.976 min Scan# 2891
Delta R.T. -0.005 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

Tgt Ion:244 Resp: 531112
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.7 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 2.194 ng

RT: 21.615 min Scan# 3103

Delta R.T. 0.001 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

Instrument :

BNA_G

ClientSampleId :

RVE-5

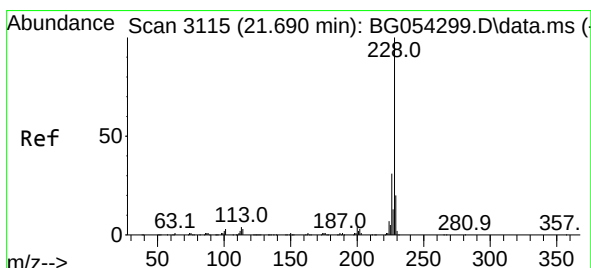
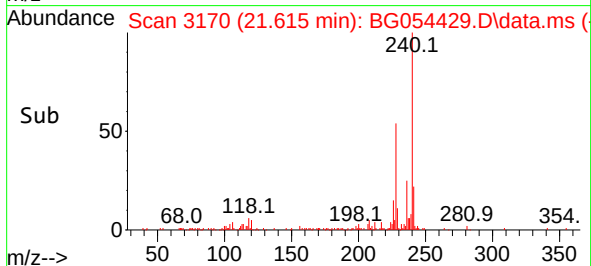
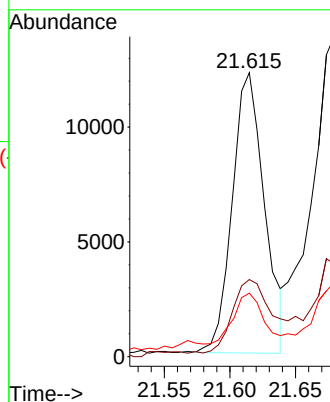
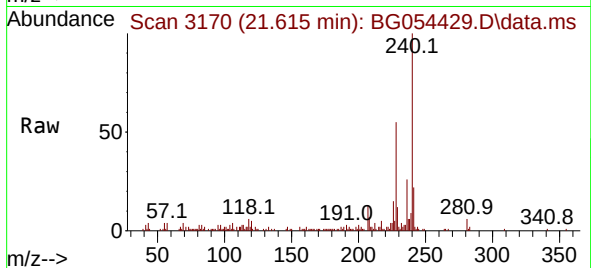
Tgt Ion:228 Resp: 20841

Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

229 22.4 16.2 24.2



#83

Chrysene

Concen: 2.902 ng

RT: 21.679 min Scan# 3181

Delta R.T. -0.005 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

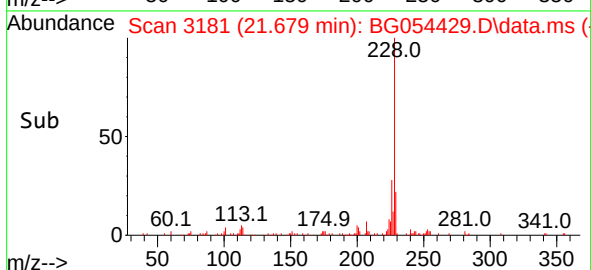
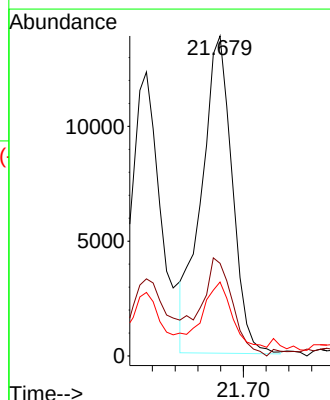
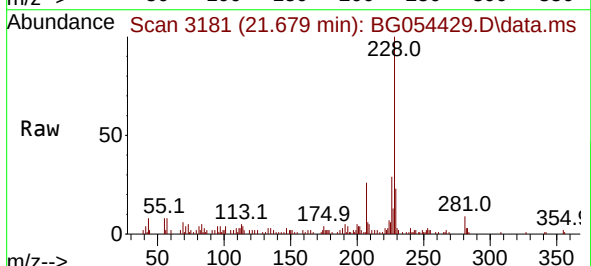
Tgt Ion:228 Resp: 26050

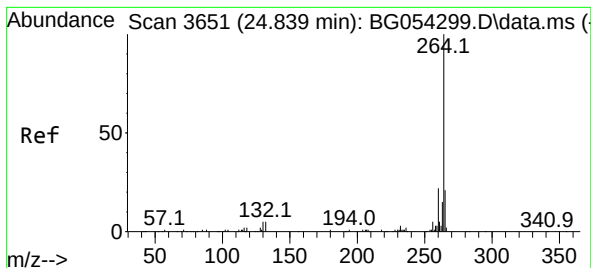
Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

229 23.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.840 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

Instrument :

BNA_G

ClientSampleId :

RVE-5

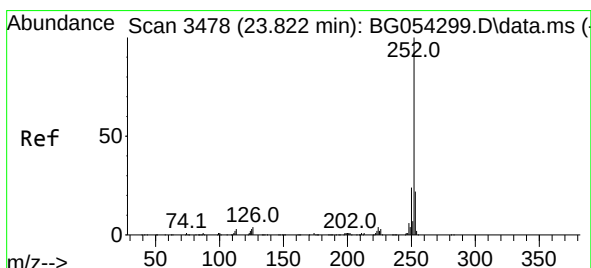
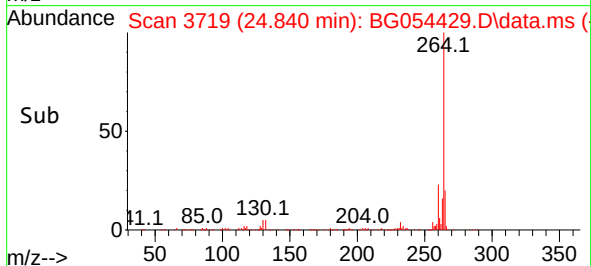
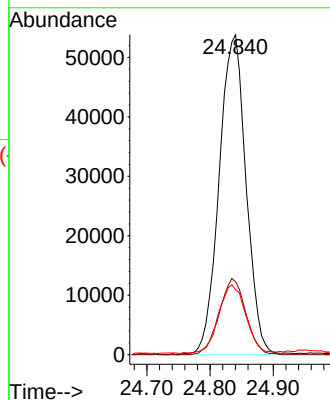
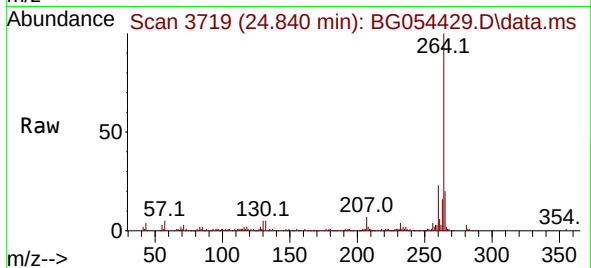
Tgt Ion:264 Resp: 158776

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.6

265 20.2 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.420 ng

RT: 23.824 min Scan# 3546

Delta R.T. 0.001 min

Lab File: BG054429.D

Acq: 28 Jul 2022 12:59

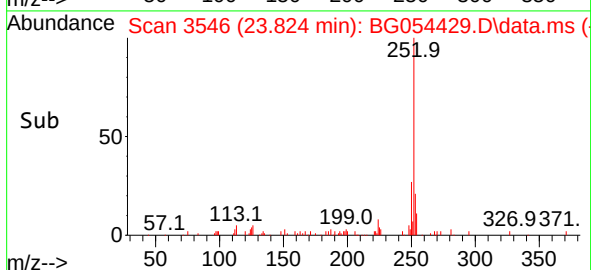
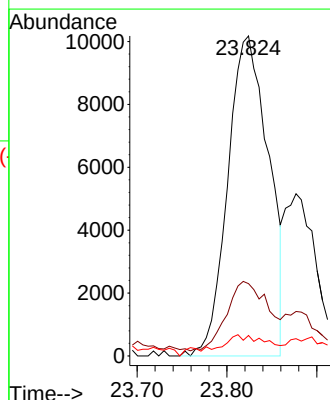
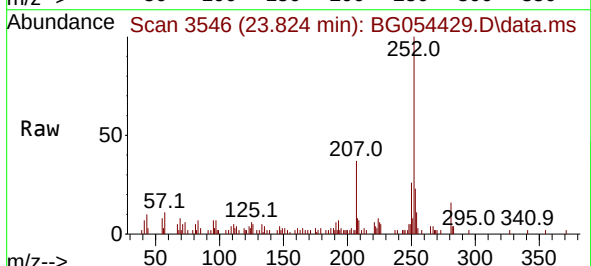
Tgt Ion:252 Resp: 32112

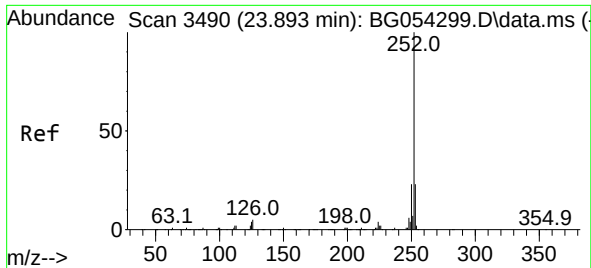
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 6.4 4.6 6.8

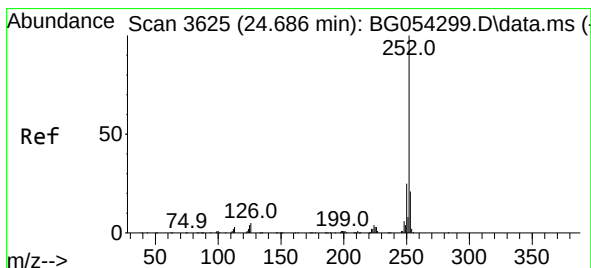
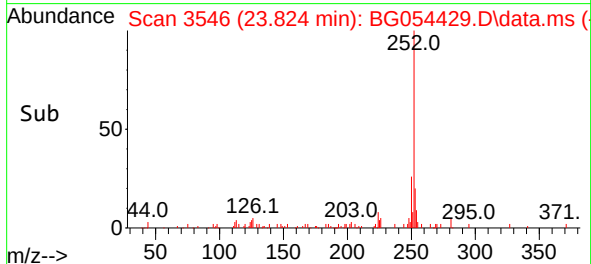
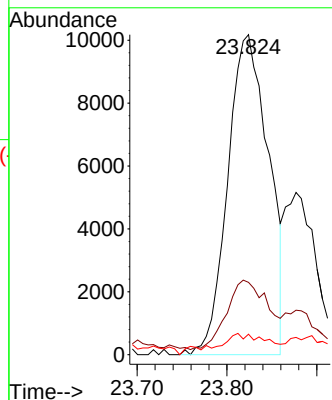
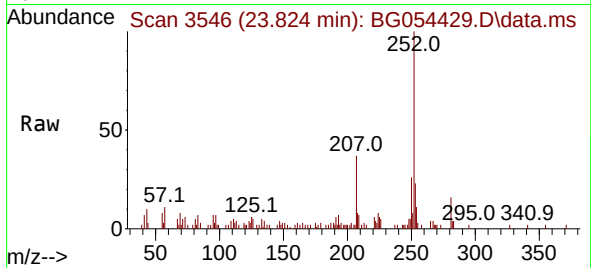




#89
Benzo(k)fluoranthene
Concen: 3.436 ng
RT: 23.824 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

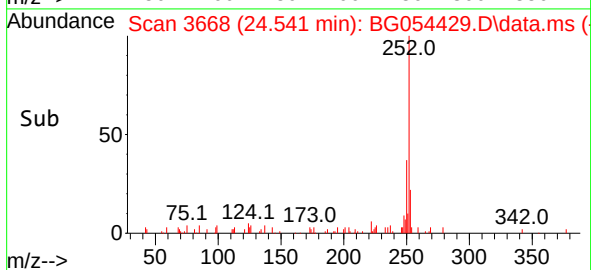
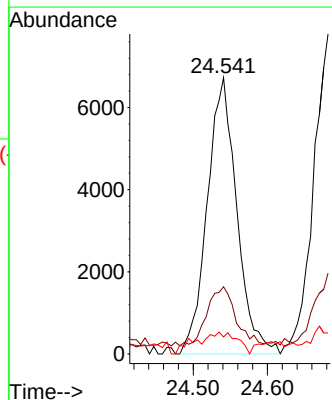
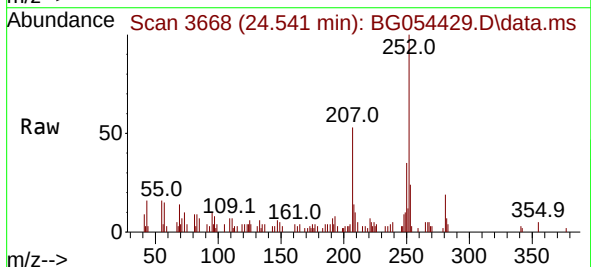
Instrument :
BNA_G
ClientSampleId :
RVE-5

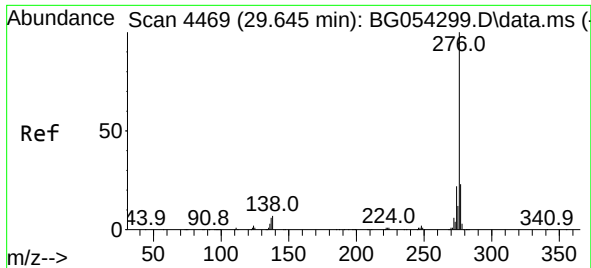
Tgt Ion:252 Resp: 32112
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 6.4 4.8 7.2



#90
Benzo(a)pyrene
Concen: 2.323 ng
RT: 24.541 min Scan# 3668
Delta R.T. -0.146 min
Lab File: BG054429.D
Acq: 28 Jul 2022 12:59

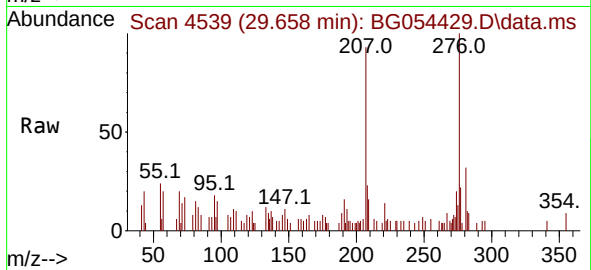
Tgt Ion:252 Resp: 18626
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.063 ng
 RT: 29.658 min Scan# 4
 Delta R.T. -0.005 min
 Lab File: BG054429.D
 Acq: 28 Jul 2022 12:59

Instrument :
 BNA_G
 ClientSampleId :
 RVE-5



Tgt Ion:276 Resp: 20226
 Ion Ratio Lower Upper
 276 100
 277 21.6 17.3 25.9
 138 7.0 9.6 14.4#

