

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054524.D
 Acq On : 4 Aug 2022 18:27
 Operator : CG/JU
 Sample : N3930-04RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-97

Quant Time: Aug 05 05:02:50 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)

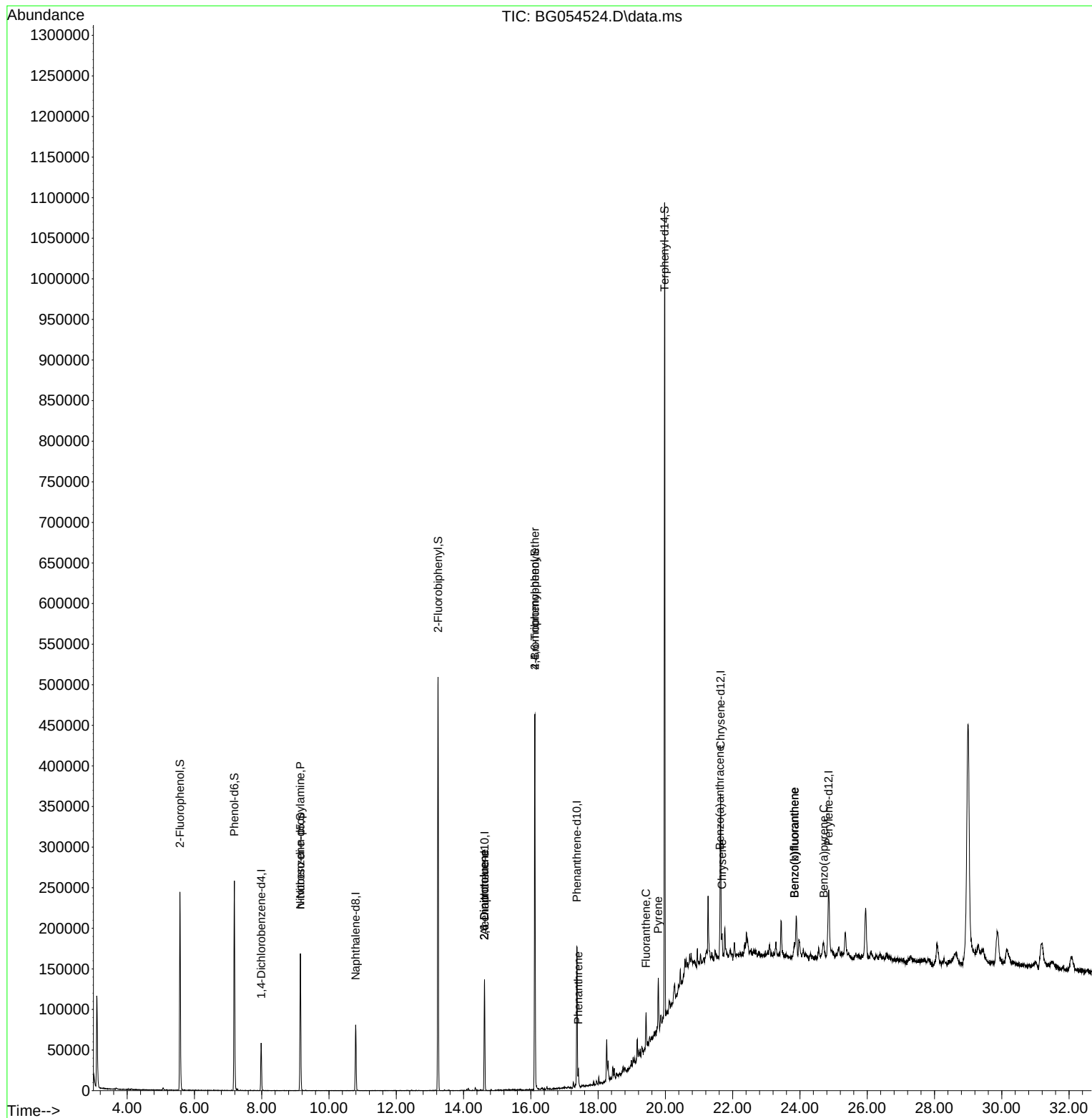
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	19347	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	72121	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	53445	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	125580	20.000	ng	# 0.00
76) Chrysene-d12	21.639	240	134212	20.000	ng	# 0.00
86) Perylene-d12	24.853	264	116691	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	111489	120.316	ng	0.00
7) Phenol-d6	7.186	99	151373	119.218	ng	0.01
23) Nitrobenzene-d5	9.148	82	103006	77.778	ng	0.00
42) 2,4,6-Tribromophenol	16.122	330	127056	113.226	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	308929	81.543	ng	0.00
79) Terphenyl-d14	19.977	244	556673	82.282	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.186	77	142	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.148	70	14406	16.990	ng	# 81
51) 2,6-Dinitrotoluene	14.618	165	7408	8.090	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7408	5.644	ng	# 21
67) 4-Bromophenyl-phenylether	16.122	248	7873	4.464	ng	# 1
71) Phenanthrene	17.415	178	15716	2.513	ng	96
75) Fluoranthene	19.424	202	27739	3.254	ng	93
78) Pyrene	19.789	202	44082	5.724	ng	98
81) Benzo(a)anthracene	21.622	228	20200	2.371	ng	# 85
83) Chrysene	21.686	228	23202	2.883	ng	92
88) Benzo(b)fluoranthene	23.837	252	32034	4.642	ng	# 86
89) Benzo(k)fluoranthene	23.837	252	32034	4.664	ng	# 87
90) Benzo(a)pyrene	24.706	252	18289	3.103	ng	# 89

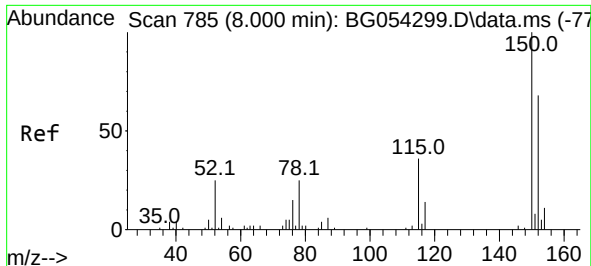
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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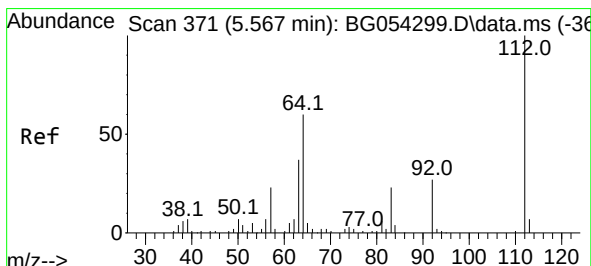
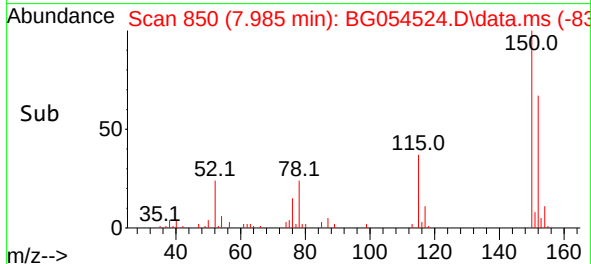
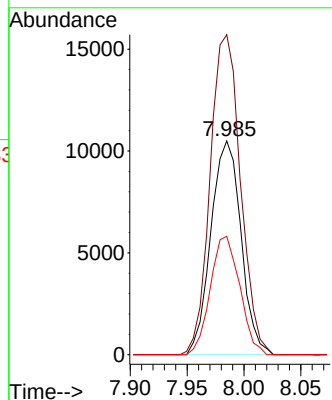
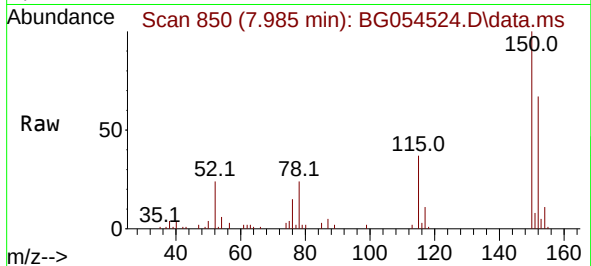




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

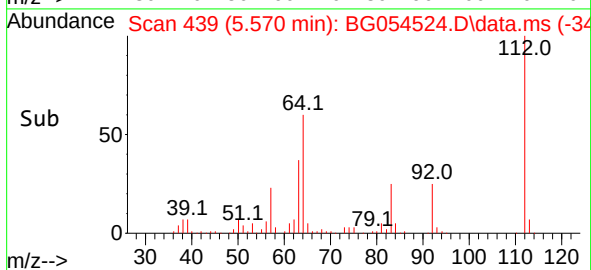
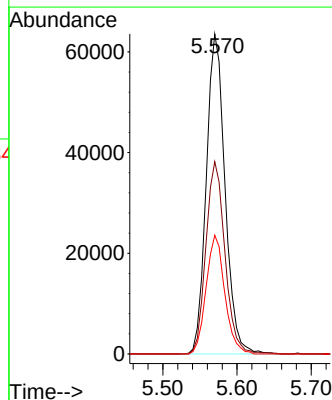
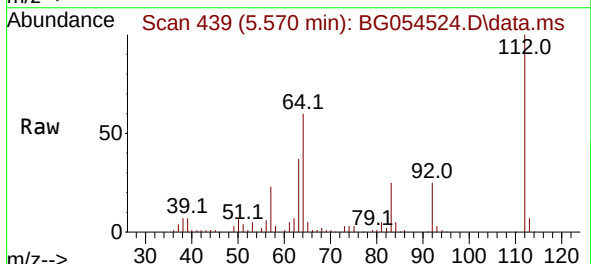
Instrument :
BNA_G
ClientSampleId :
RVE-97

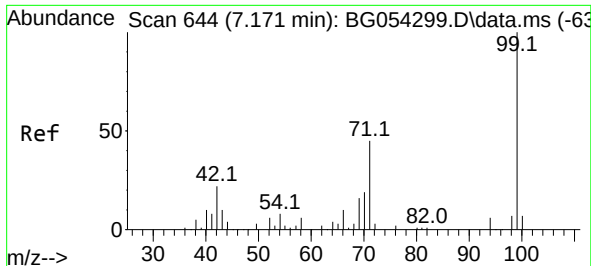
Tgt Ion:152 Resp: 19347
Ion Ratio Lower Upper
152 100
150 149.6 131.6 197.4
115 55.4 50.9 76.3



#5
2-Fluorophenol
Concen: 120.316 ng
RT: 5.570 min Scan# 439
Delta R.T. 0.008 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:112 Resp: 111489
Ion Ratio Lower Upper
112 100
64 60.1 55.1 82.7
63 37.1 30.4 45.6

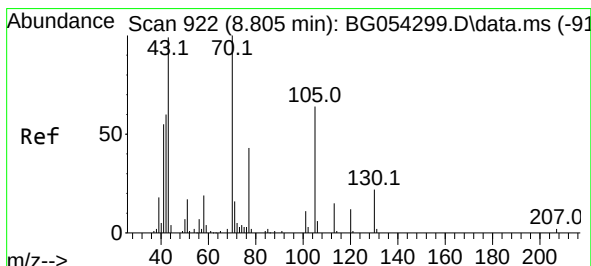
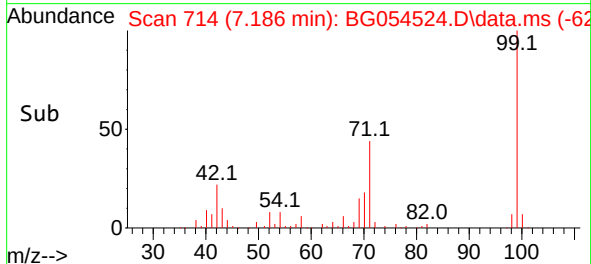
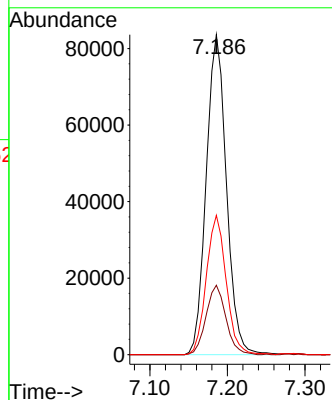
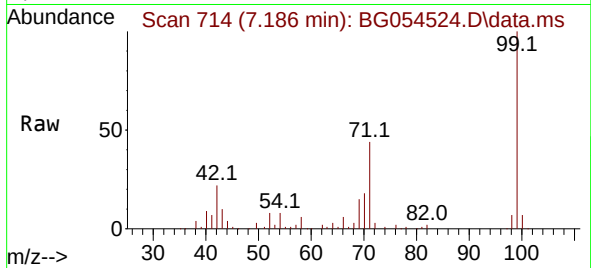




#7
Phenol-d6
Concen: 119.218 ng
RT: 7.186 min Scan# 71
Delta R.T. 0.014 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

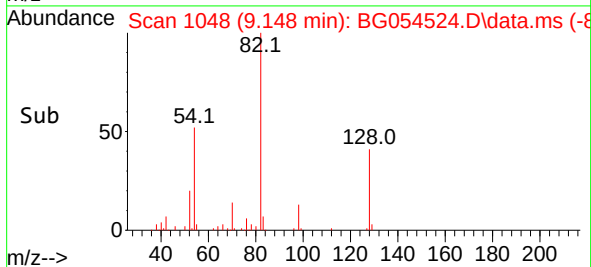
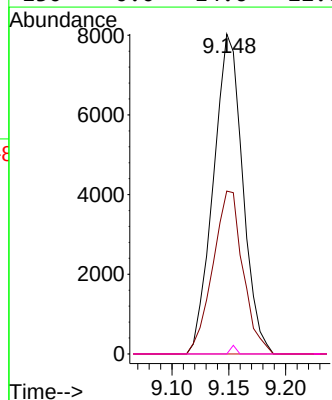
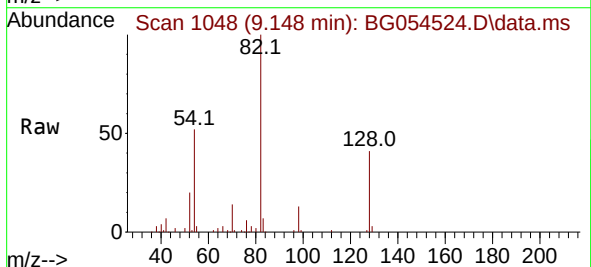
Instrument :
BNA_G
ClientSampleId :
RVE-97

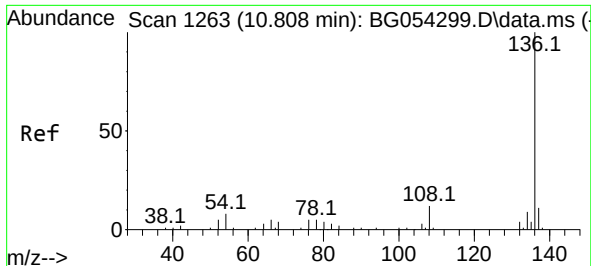
Tgt Ion: 99 Resp: 151373
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.990 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion: 70 Resp: 14406
Ion Ratio Lower Upper
70 100
42 50.9 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

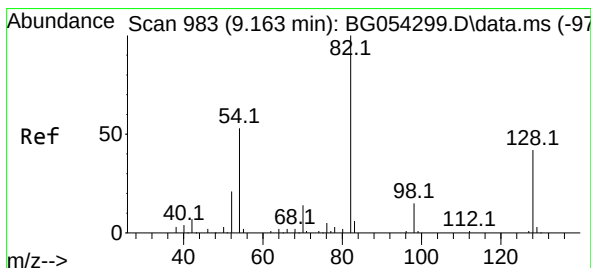
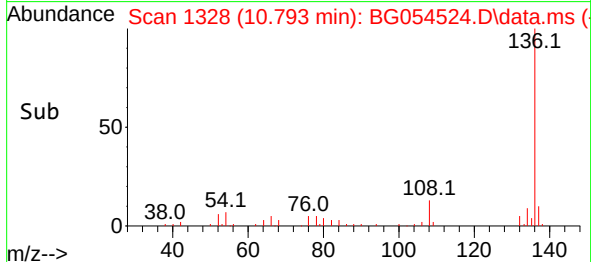
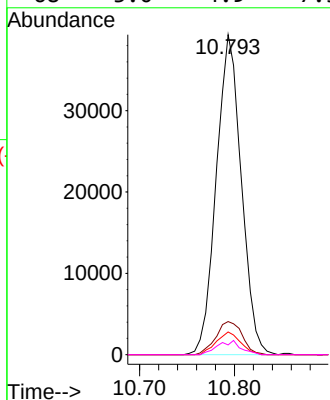
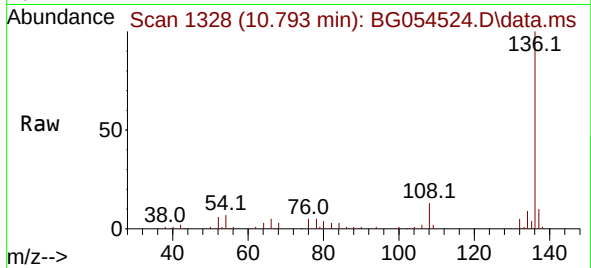




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

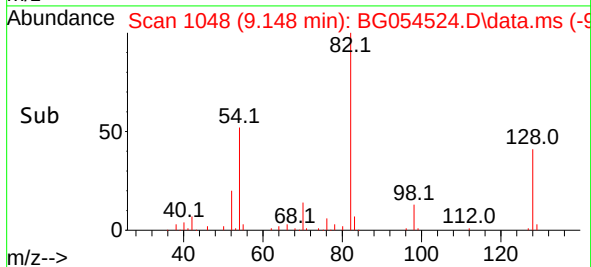
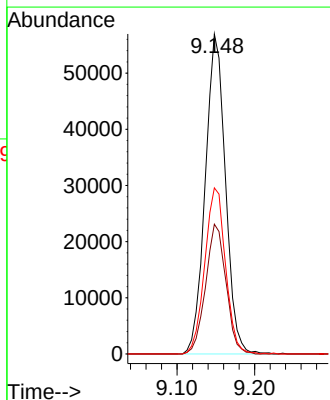
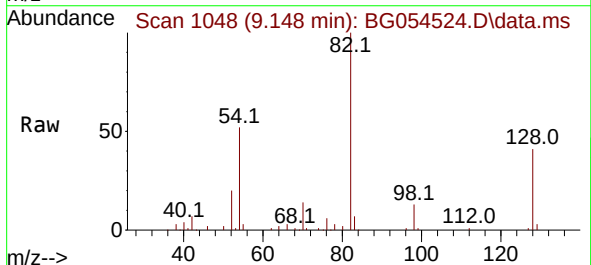
Instrument :
BNA_G
ClientSampleId :
RVE-97

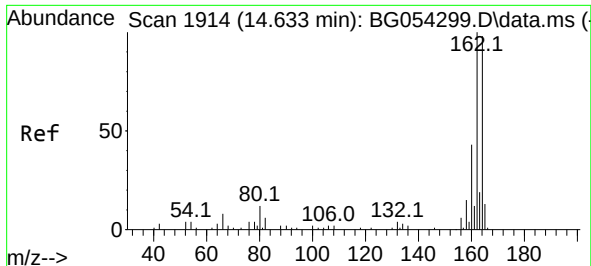
Tgt Ion:	136	Resp:	72121
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	7.1	7.4	11.2#
68	3.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 77.778 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:	82	Resp:	103006
Ion Ratio	Lower	Upper	
82	100		
128	40.5	27.9	41.9
54	51.9	41.2	61.8

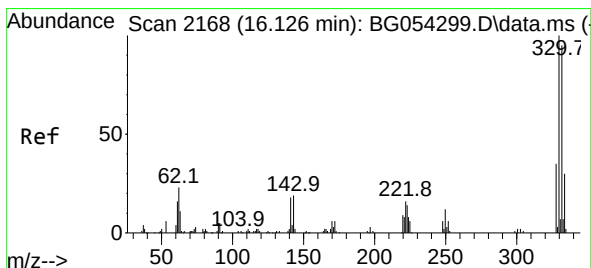
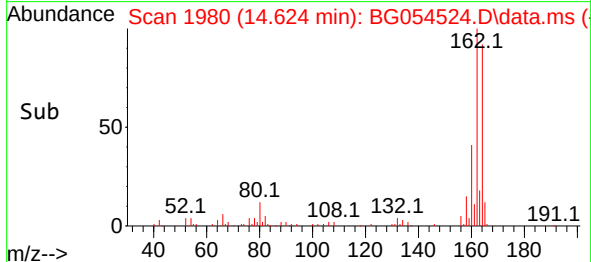
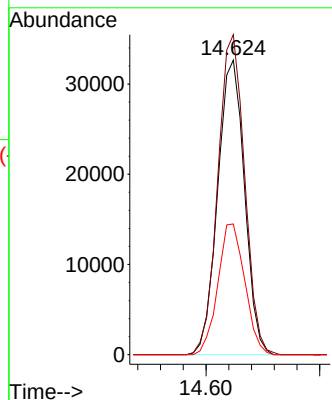
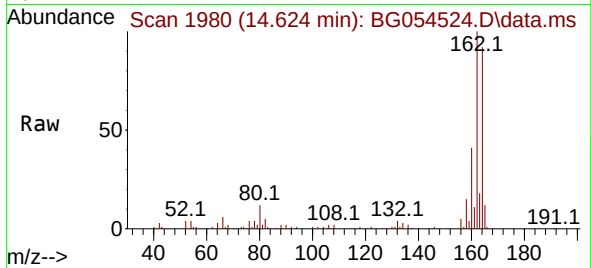




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1914
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

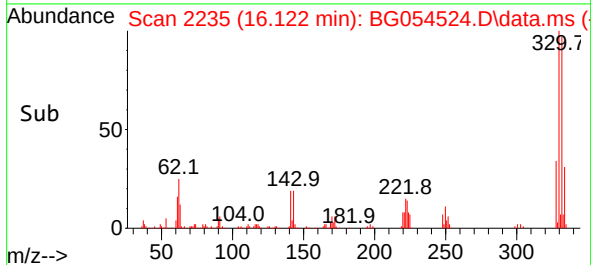
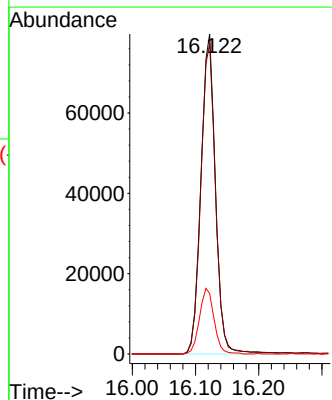
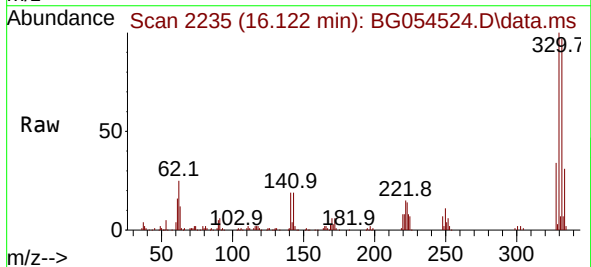
Instrument :
BNA_G
ClientSampleId :
RVE-97

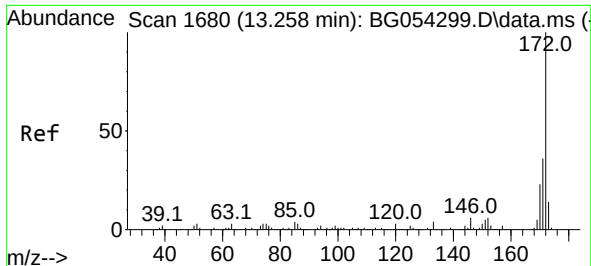
Tgt Ion:164 Resp: 53445
Ion Ratio Lower Upper
164 100
162 108.6 82.3 123.5
160 44.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 113.226 ng
RT: 16.122 min Scan# 2235
Delta R.T. 0.008 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:330 Resp: 127056
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 20.6 27.1 40.7#

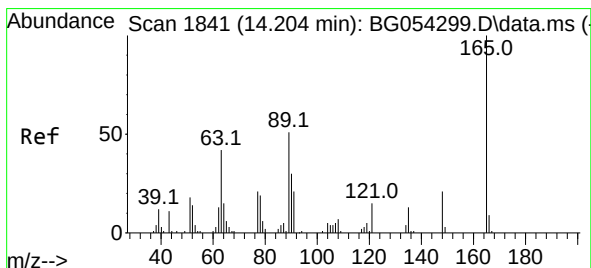
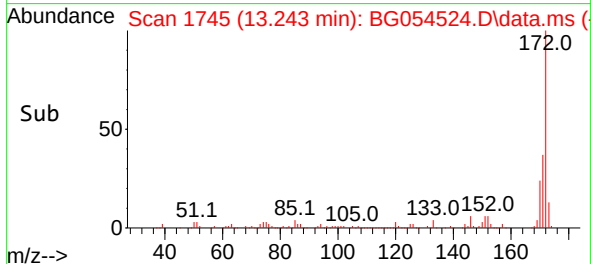
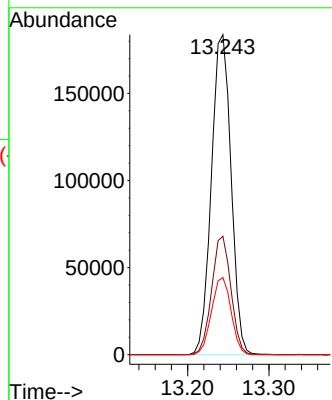
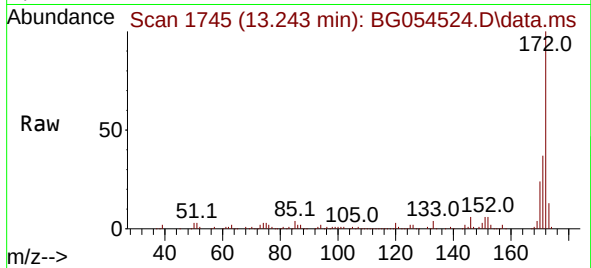




#45
2-Fluorobiphenyl
Concen: 81.543 ng
RT: 13.243 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

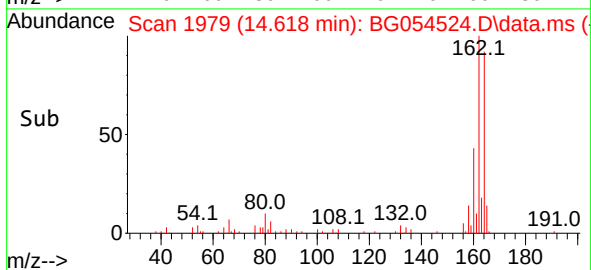
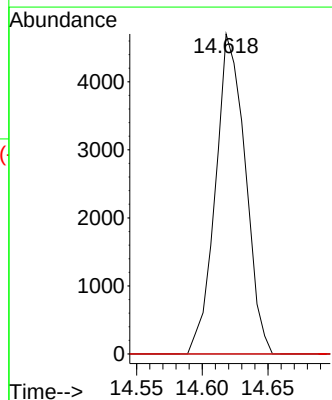
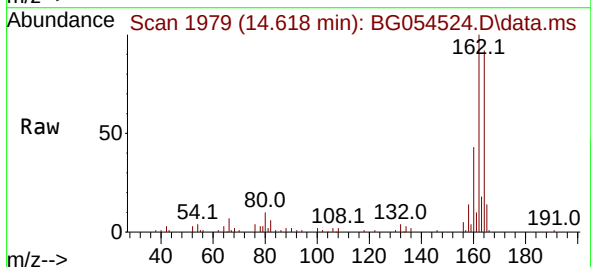
Instrument :
BNA_G
ClientSampleId :
RVE-97

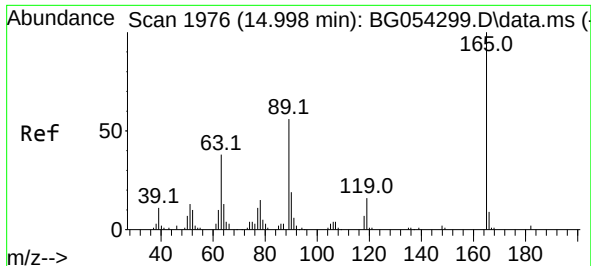
Tgt Ion:172 Resp: 308929
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.090 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.419 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:165 Resp: 7408
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: 5.644 ng

RT: 14.618 min Scan# 14

Delta R.T. -0.374 min

Lab File: BG054524.D

Acq: 4 Aug 2022 18:27

Instrument :

BNA_G

ClientSampleId :

RVE-97

Tgt Ion:165 Resp: 7408

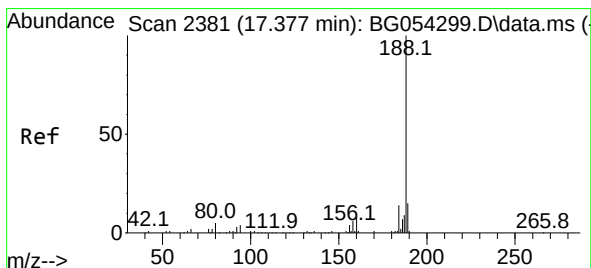
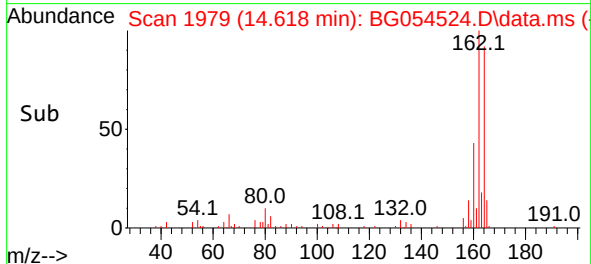
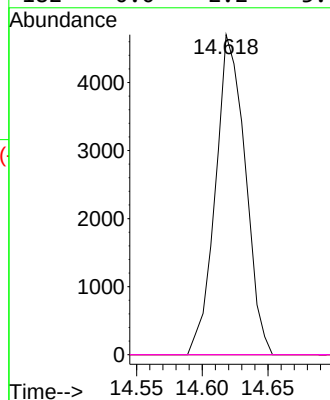
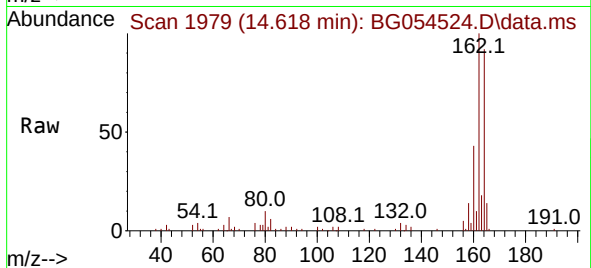
Ion Ratio Lower Upper

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: 17.368 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BG054524.D

Acq: 4 Aug 2022 18:27

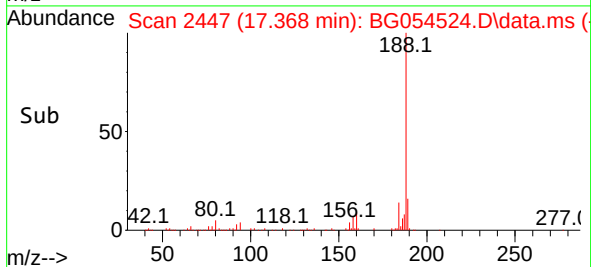
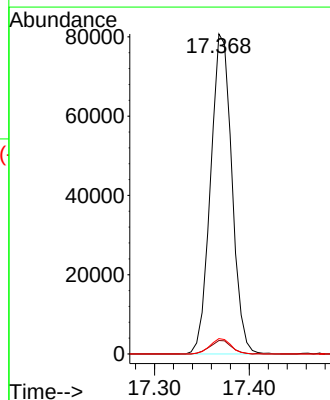
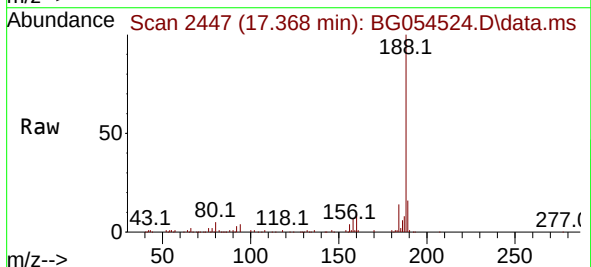
Tgt Ion:188 Resp: 125580

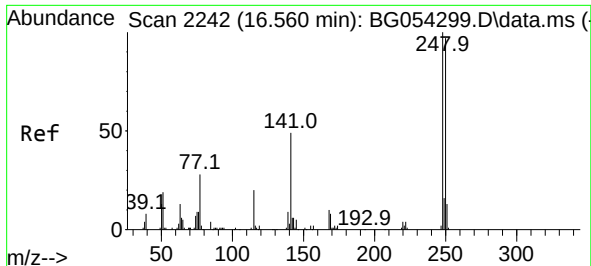
Ion Ratio Lower Upper

188 100

94 4.2 5.4 8.0#

80 4.8 6.8 10.2#

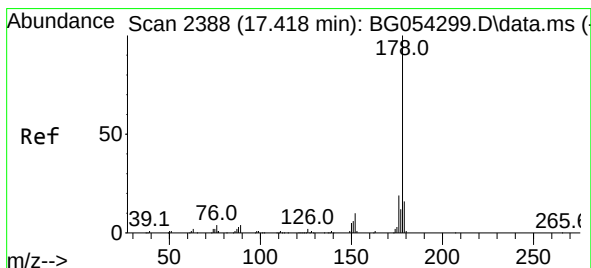
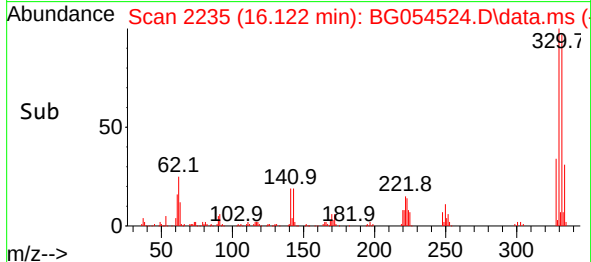
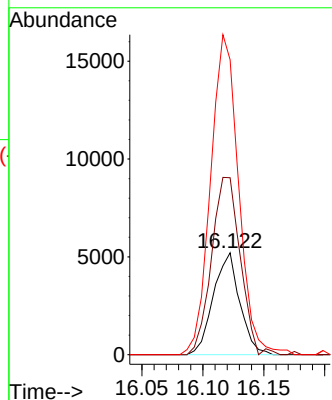
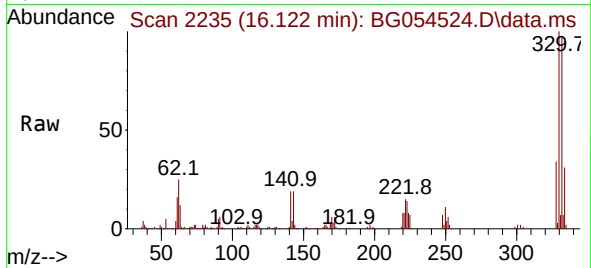




#67
4-Bromophenyl-phenylether
Concen: 4.464 ng
RT: 16.122 min Scan# 21
Delta R.T. -0.433 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

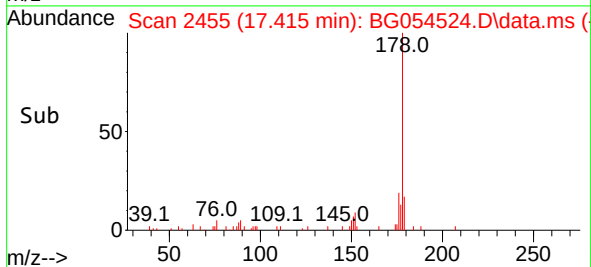
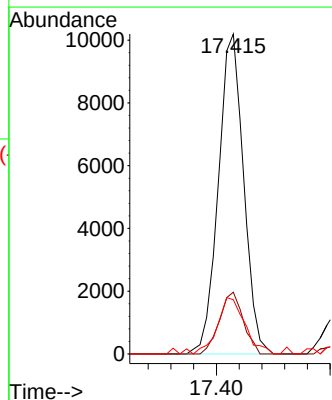
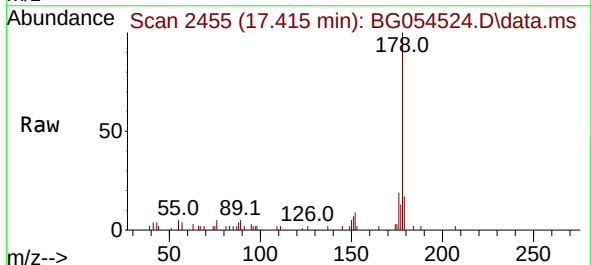
Instrument :
BNA_G
ClientSampleId :
RVE-97

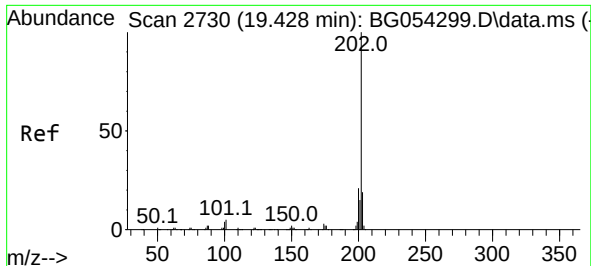
Tgt Ion:248 Resp: 7873
Ion Ratio Lower Upper
248 100
250 229.3 75.2 112.8#
141 289.3 50.0 75.0#



#71
Phenanthrene
Concen: 2.513 ng
RT: 17.415 min Scan# 2455
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:178 Resp: 15716
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.9 12.1 18.1

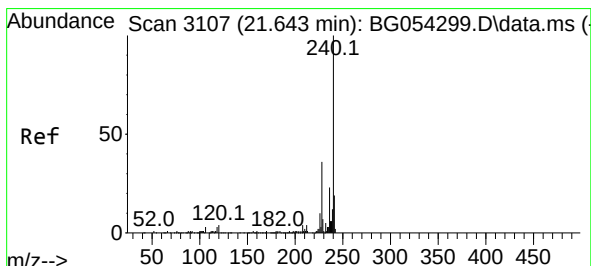
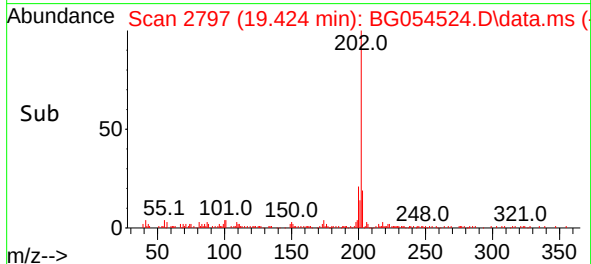
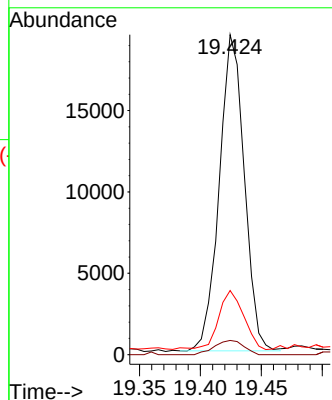
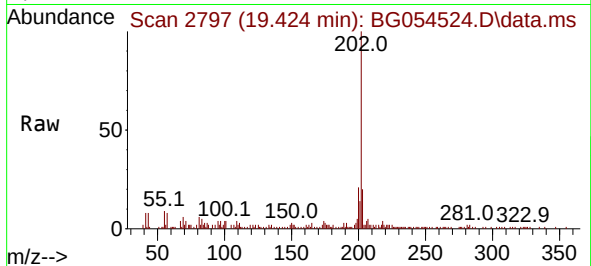




#75
Fluoranthene
Concen: 3.254 ng
RT: 19.424 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

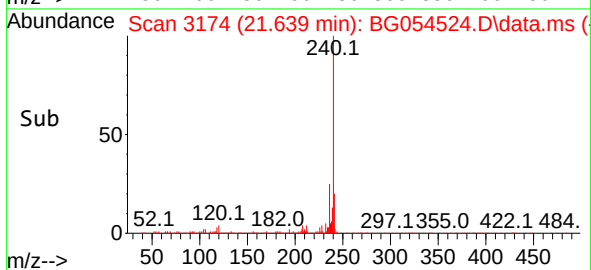
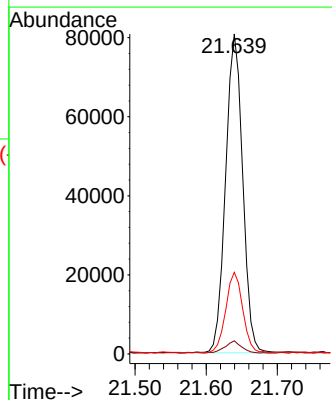
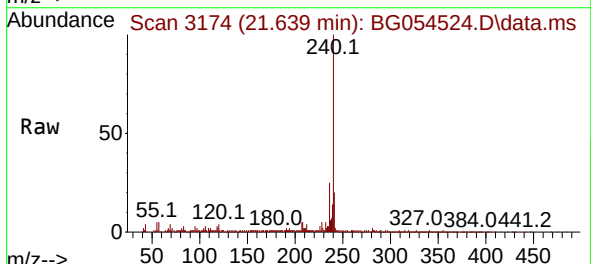
Instrument :
BNA_G
ClientSampleId :
RVE-97

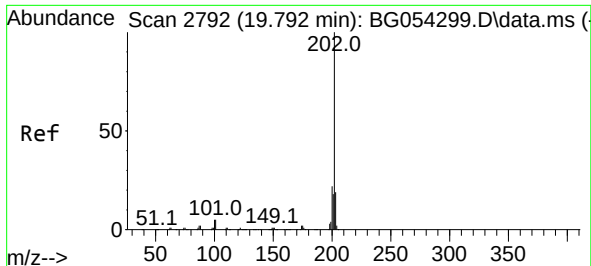
Tgt Ion:202 Resp: 27739
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 20.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3174
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:240 Resp: 134212
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 25.5 20.2 30.4

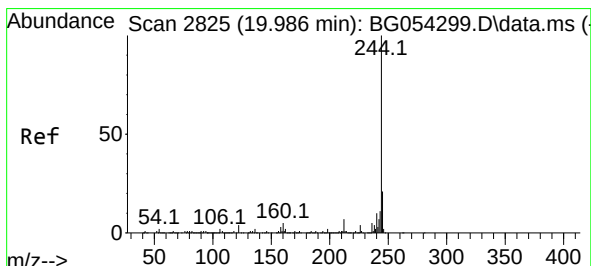
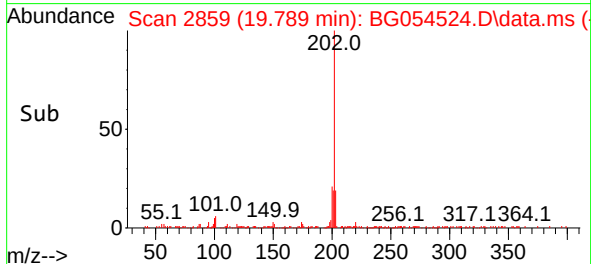
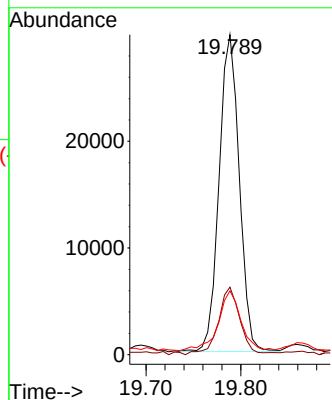
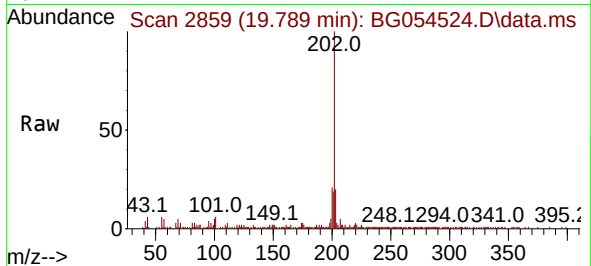




#78
Pyrene
Concen: 5.724 ng
RT: 19.789 min Scan# 2859
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

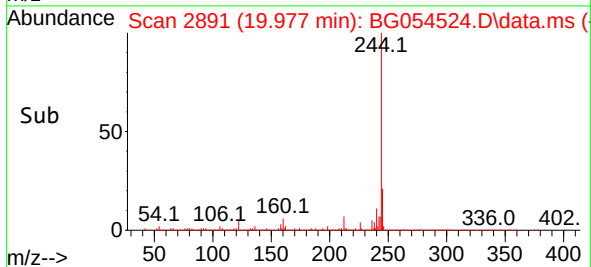
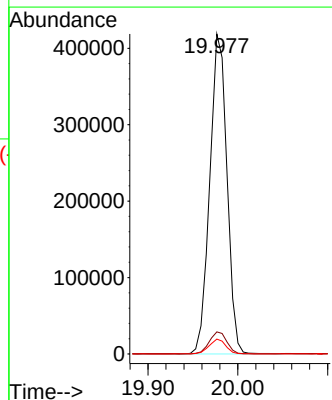
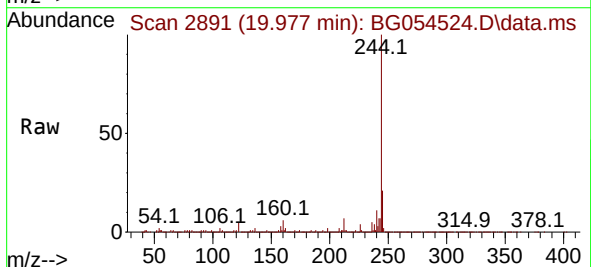
Instrument :
BNA_G
ClientSampleId :
RVE-97

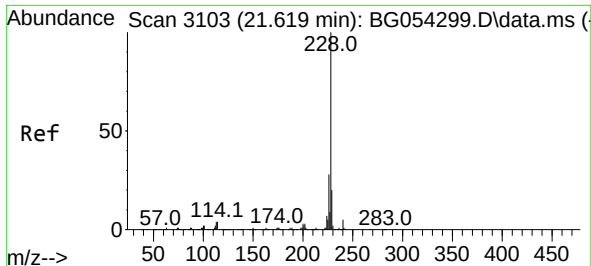
Tgt Ion:202 Resp: 44082
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 20.0 14.6 21.8



#79
Terphenyl-d14
Concen: 82.282 ng
RT: 19.977 min Scan# 2891
Delta R.T. -0.004 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:244 Resp: 556673
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.7 5.0 7.4#

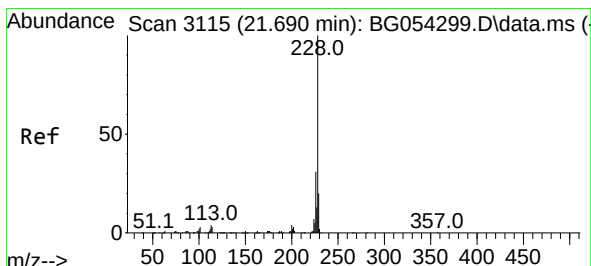
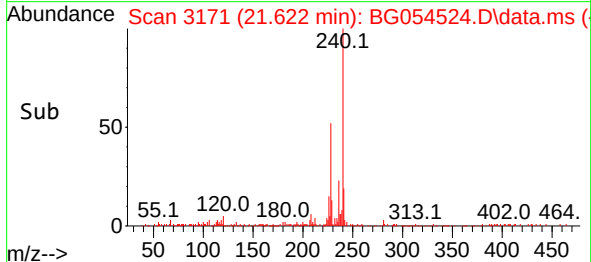
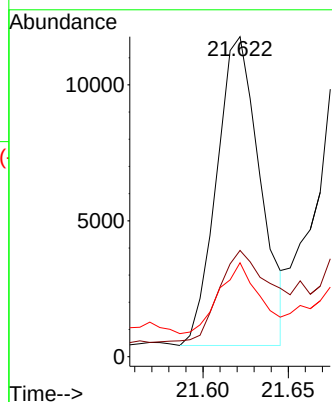
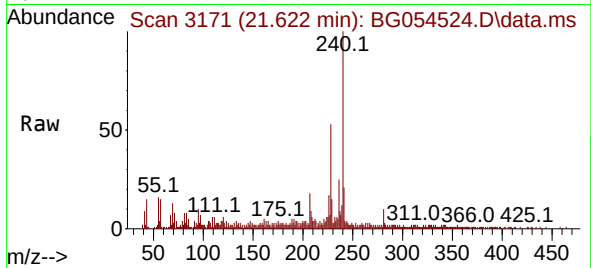




#81
Benzo(a)anthracene
Concen: 2.371 ng
RT: 21.622 min Scan# 3103
Delta R.T. 0.008 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

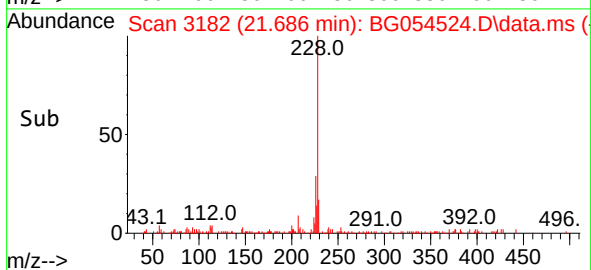
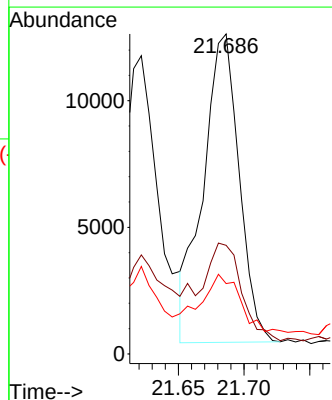
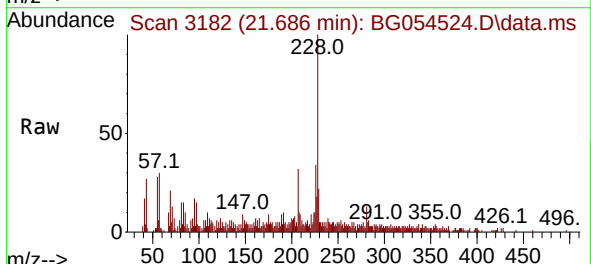
Instrument :
BNA_G
ClientSampleId :
RVE-97

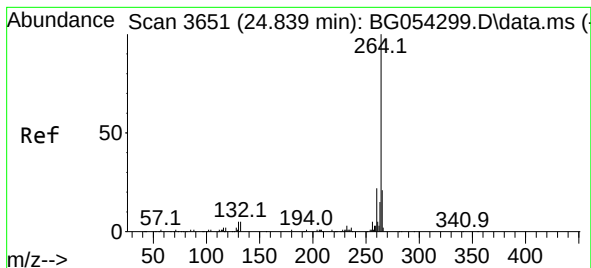
Tgt Ion:228 Resp: 20200
Ion Ratio Lower Upper
228 100
226 33.2 21.6 32.4#
229 29.3 16.2 24.2#



#83
Chrysene
Concen: 2.883 ng
RT: 21.686 min Scan# 3182
Delta R.T. 0.002 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:228 Resp: 23202
Ion Ratio Lower Upper
228 100
226 34.0 23.4 35.2
229 22.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.853 min Scan# 3

Delta R.T. 0.020 min

Lab File: BG054524.D

Acq: 4 Aug 2022 18:27

Instrument :

BNA_G

ClientSampleId :

RVE-97

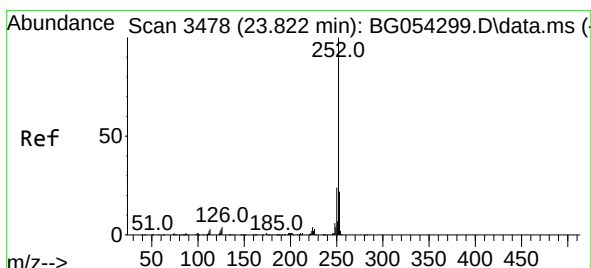
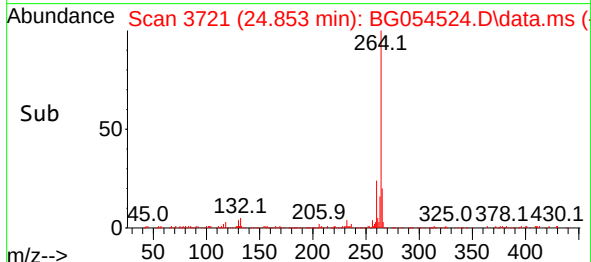
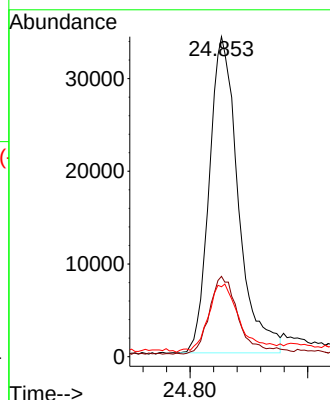
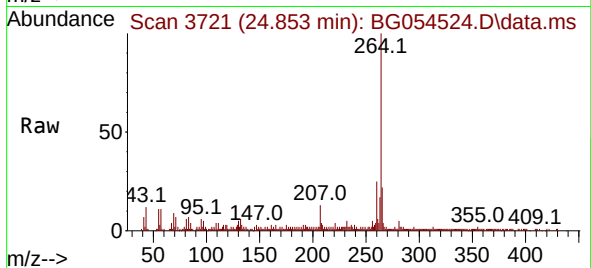
Tgt Ion:264 Resp: 116691

Ion Ratio Lower Upper

264 100

260 25.1 19.0 28.6

265 21.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.642 ng

RT: 23.837 min Scan# 3548

Delta R.T. 0.014 min

Lab File: BG054524.D

Acq: 4 Aug 2022 18:27

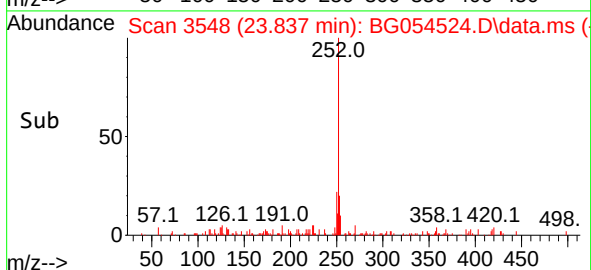
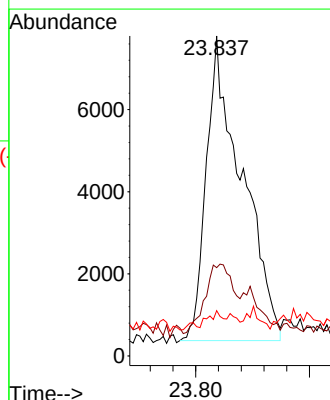
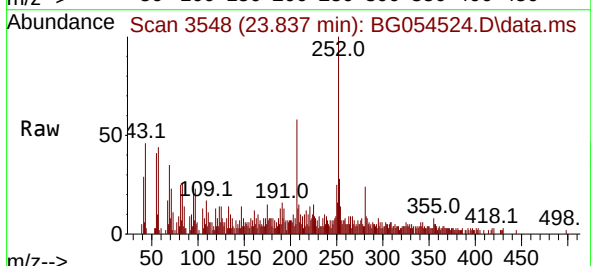
Tgt Ion:252 Resp: 32034

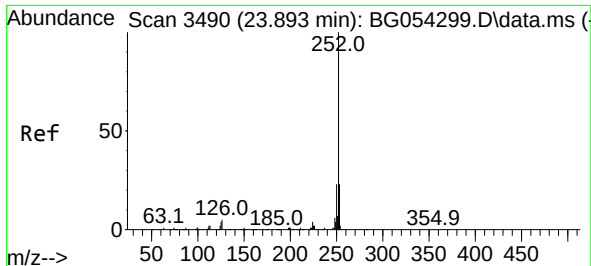
Ion Ratio Lower Upper

252 100

253 27.6 18.0 27.0#

125 14.2 4.6 6.8#

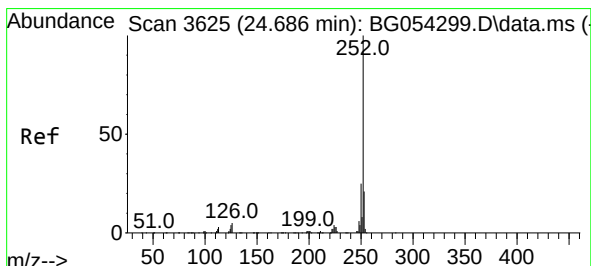
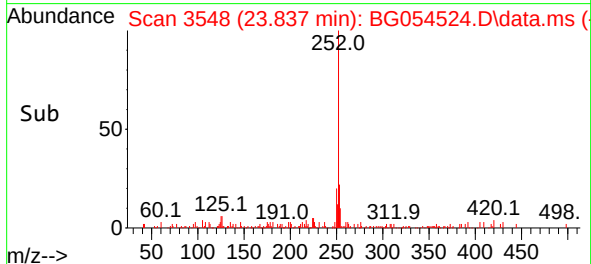
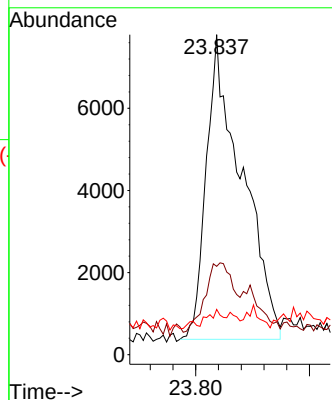
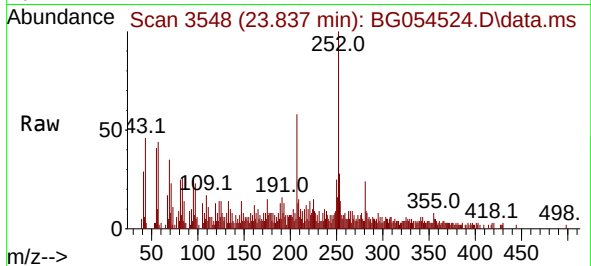




#89
Benzo(k)fluoranthene
Concen: 4.664 ng
RT: 23.837 min Scan# 31
Delta R.T. -0.051 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Instrument :
BNA_G
ClientSampleId :
RVE-97

Tgt Ion:252 Resp: 32034
Ion Ratio Lower Upper
252 100
253 27.6 18.4 27.6#
125 14.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.103 ng
RT: 24.706 min Scan# 3696
Delta R.T. 0.020 min
Lab File: BG054524.D
Acq: 4 Aug 2022 18:27

Tgt Ion:252 Resp: 18289
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 12.7 4.3 6.5#

