

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054506.D
 Acq On : 3 Aug 2022 19:31
 Operator : CG/JU
 Sample : N3935-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-146

Quant Time: Aug 04 00:44:31 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)

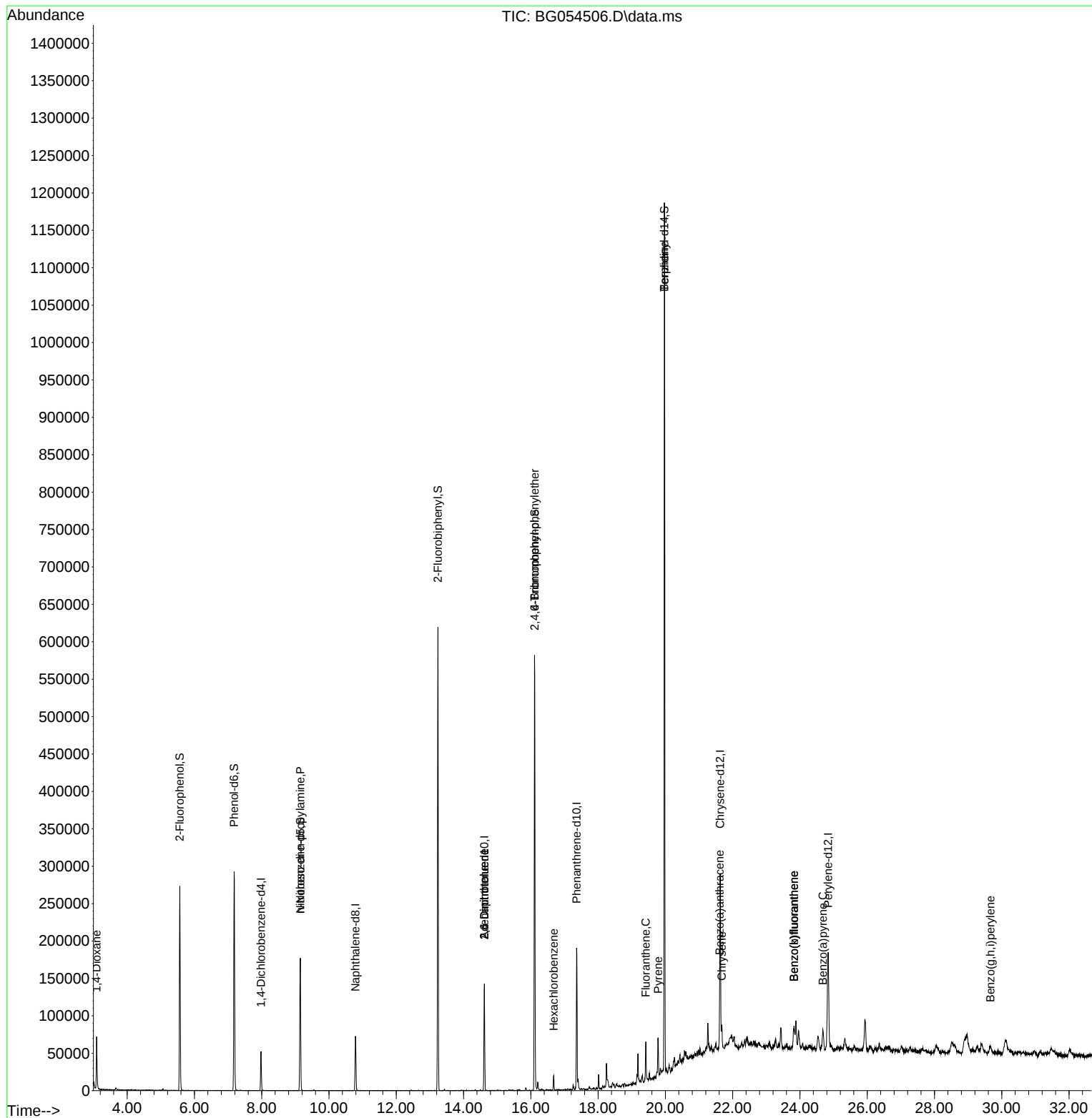
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	16572	20.000	ng	0.00
21) Naphthalene-d8	10.788	136	68451	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	55666	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	137908	20.000	ng	# 0.00
76) Chrysene-d12	21.628	240	149932	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	156811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	119373	150.396	ng	0.00
7) Phenol-d6	7.180	99	167936	154.410	ng	0.00
23) Nitrobenzene-d5	9.148	82	109907	87.438	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	156249	133.686	ng	0.00
45) 2-Fluorobiphenyl	13.238	172	351129	88.984	ng	0.00
79) Terphenyl-d14	19.971	244	676608	89.524	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.091	88	638	2.020	ng	# 1
19) n-Nitroso-di-n-propyla...	9.148	70	15970	21.989	ng	# 78
51) 2,6-Dinitrotoluene	14.618	165	7840	8.221	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7840	5.734	ng	# 21
67) 4-Bromophenyl-phenylether	16.111	248	9249	4.775	ng	# 1
68) Hexachlorobenzene	16.681	284	5562	2.511	ng	# 88
75) Fluoranthene	19.419	202	32467	3.468	ng	96
77) Benzidine	19.971	184	9279	3.417	ng	# 92
78) Pyrene	19.783	202	37655	4.377	ng	98
81) Benzo(a)anthracene	21.610	228	24115	2.534	ng	95
83) Chrysene	21.675	228	26777	2.978	ng	# 96
88) Benzo(b)fluoranthene	23.825	252	40057	4.319	ng	97
89) Benzo(k)fluoranthene	23.825	252	40057	4.340	ng	98
90) Benzo(a)pyrene	24.683	252	28586	3.609	ng	99
92) Benzo(g,h,i)perylene	29.665	276	23886	2.467	ng	# 97

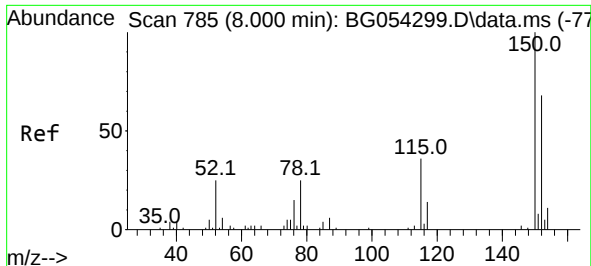
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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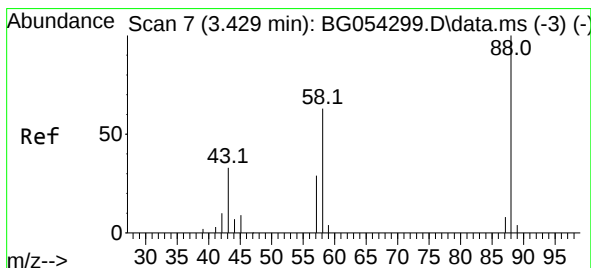
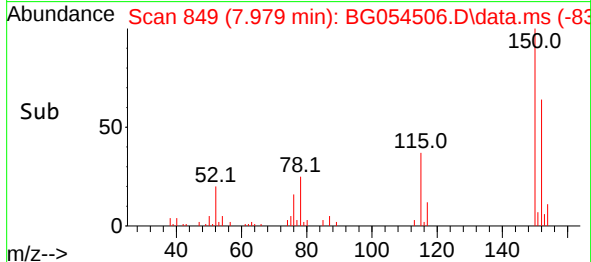
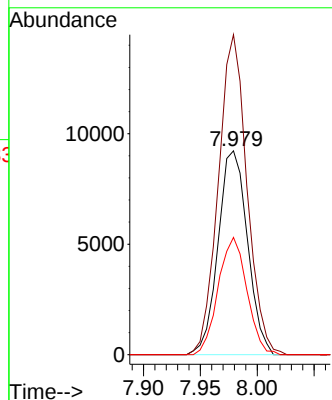
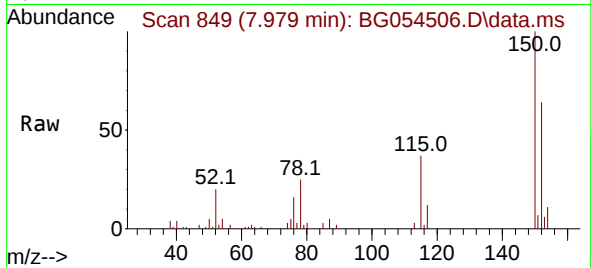




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.979 min Scan# 84
 Delta R.T. -0.009 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

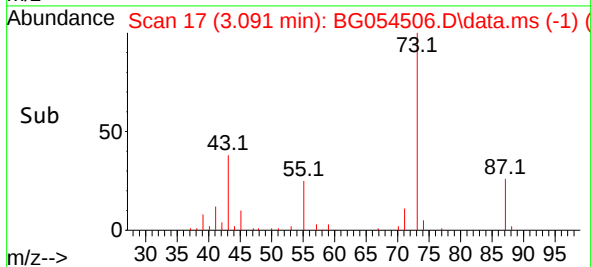
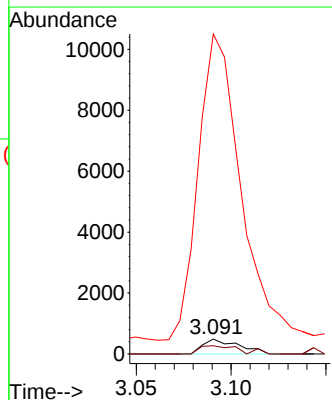
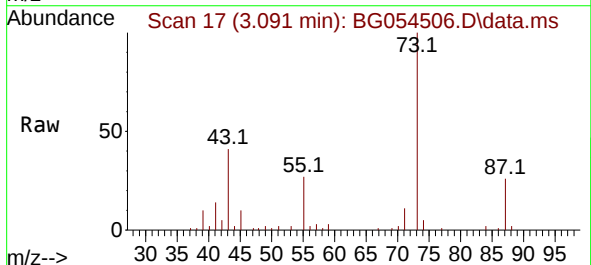
Instrument :
 BNA_G
 ClientSampleId :
 RVE-146

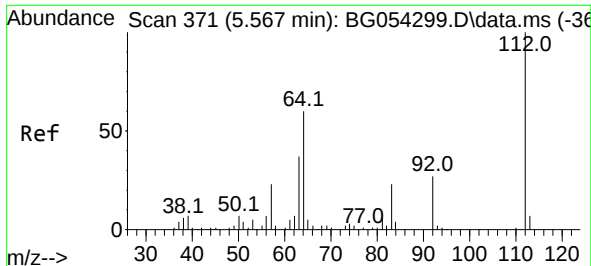
Tgt Ion:152 Resp: 16572
 Ion Ratio Lower Upper
 152 100
 150 157.0 131.6 197.4
 115 57.6 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.020 ng
 RT: 3.091 min Scan# 17
 Delta R.T. -0.327 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

Tgt Ion: 88 Resp: 638
 Ion Ratio Lower Upper
 88 100
 58 62.9 59.2 88.8
 43 2487.8 24.3 36.5#

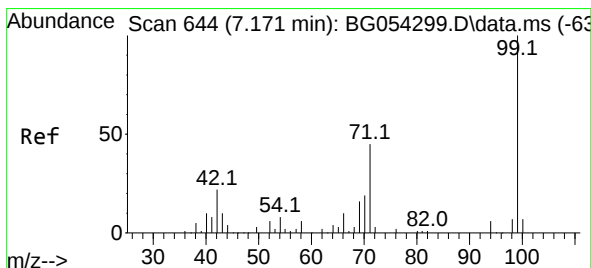
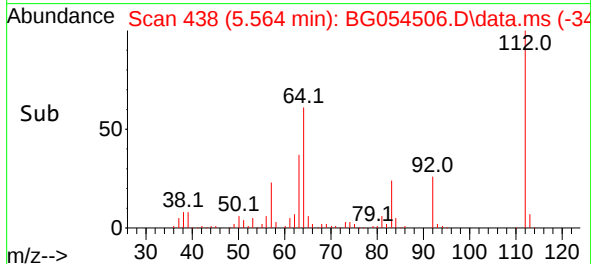
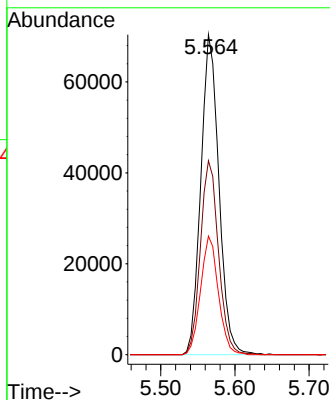
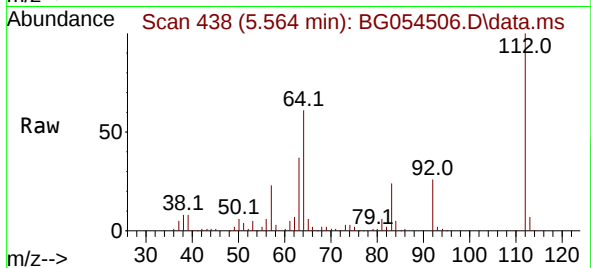




#5
2-Fluorophenol
Concen: 150.396 ng
RT: 5.564 min Scan# 41
Delta R.T. 0.002 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

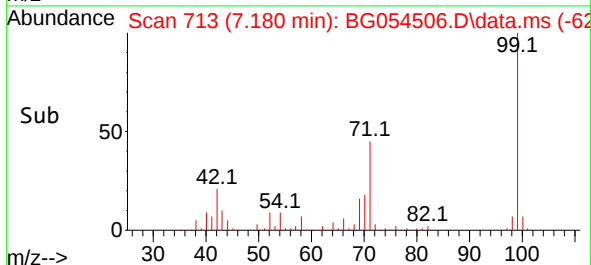
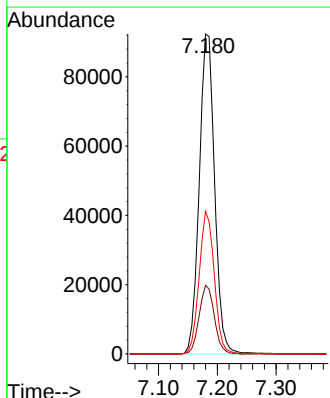
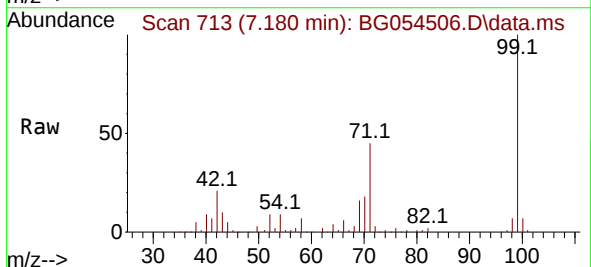
Instrument :
BNA_G
ClientSampleId :
RVE-146

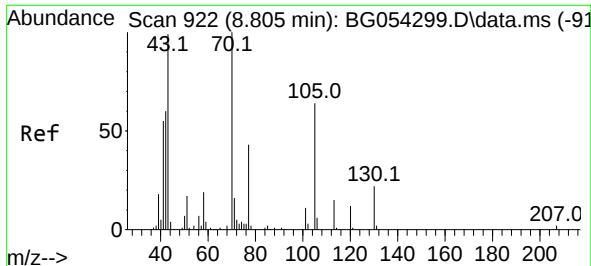
Tgt Ion:112 Resp: 119373
Ion Ratio Lower Upper
112 100
64 60.6 55.1 82.7
63 37.0 30.4 45.6



#7
Phenol-d6
Concen: 154.410 ng
RT: 7.180 min Scan# 713
Delta R.T. 0.008 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion: 99 Resp: 167936
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 44.6 33.8 50.8

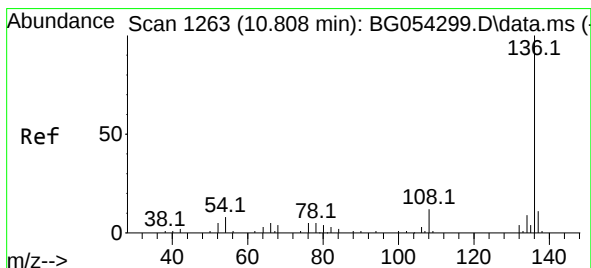
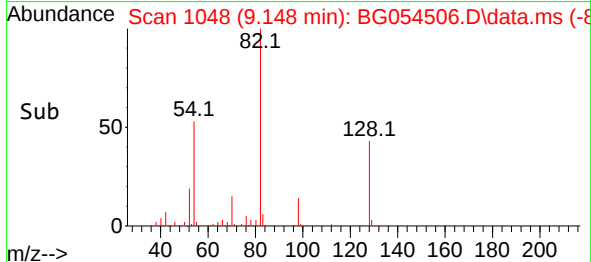
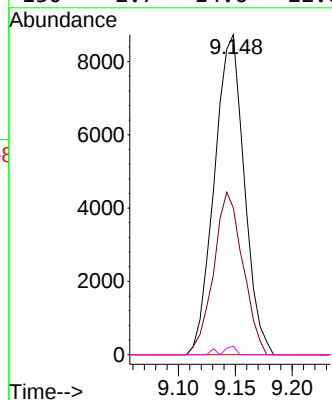
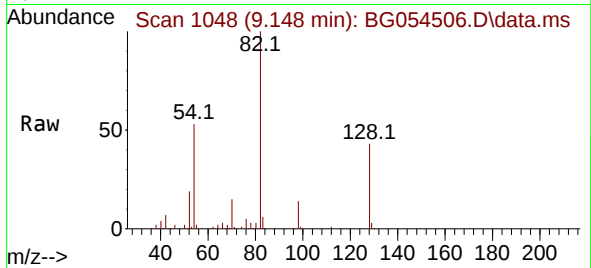




#19
n-Nitroso-di-n-propylamine
Concen: 21.989 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

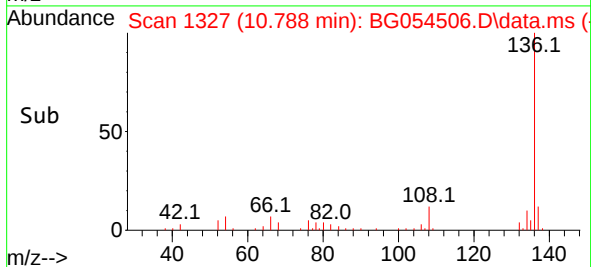
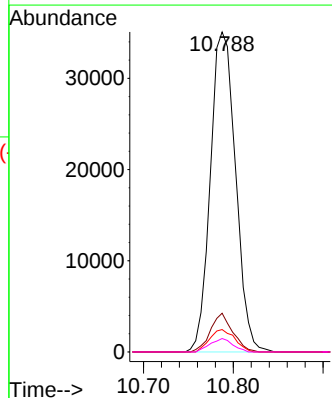
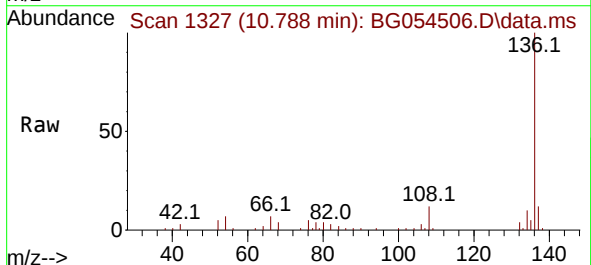
Instrument :
BNA_G
ClientSampleId :
RVE-146

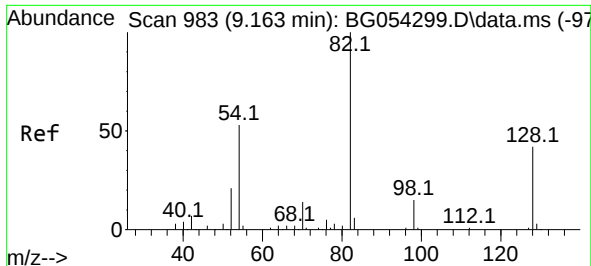
Tgt Ion: 70 Resp: 15970
Ion Ratio Lower Upper
70 100
42 45.9 47.3 70.9#
101 0.0 7.0 10.4#
130 2.7 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.788 min Scan# 1327
Delta R.T. -0.009 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion: 136 Resp: 68451
Ion Ratio Lower Upper
136 100
137 12.1 8.5 12.7
54 7.0 7.4 11.2#
68 4.2 4.9 7.3#

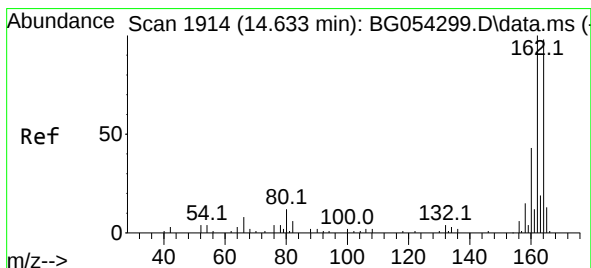
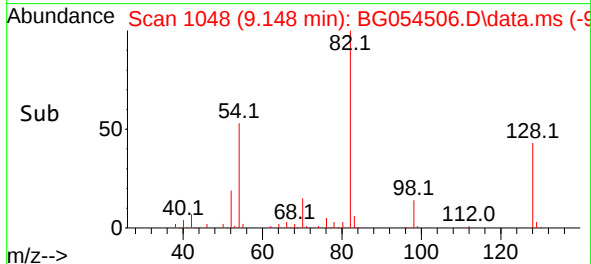
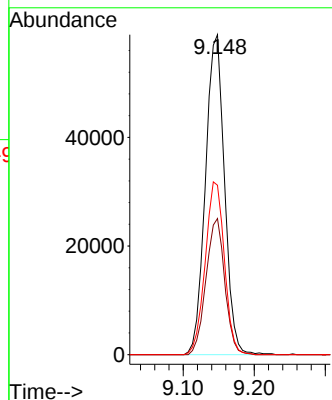
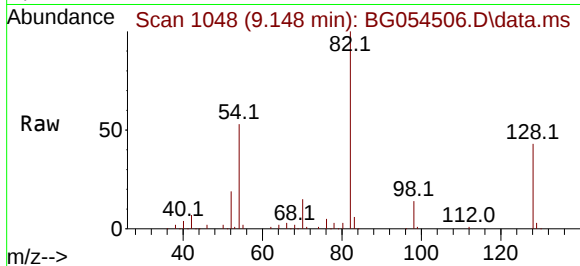




#23
 Nitrobenzene-d5
 Concen: 87.438 ng
 RT: 9.148 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

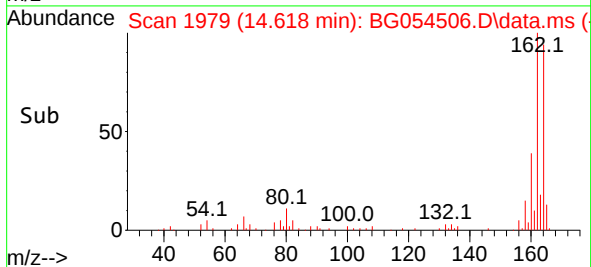
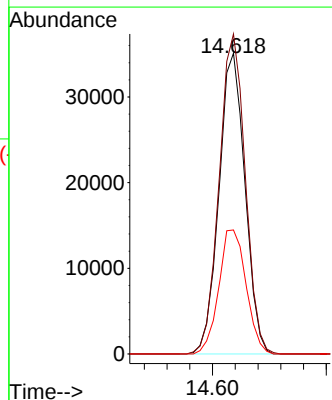
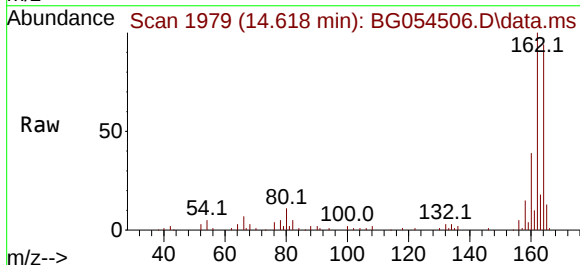
Instrument :
 BNA_G
 ClientSampleId :
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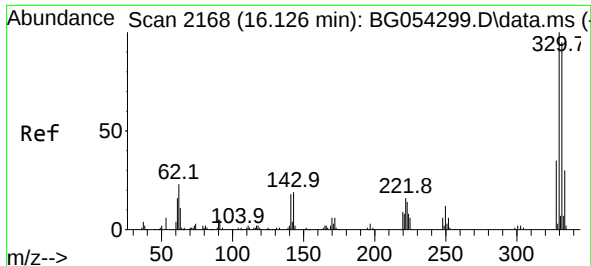
Tgt Ion: 82 Resp: 109907
 Ion Ratio Lower Upper
 82 100
 128 42.5 27.9 41.9#
 54 52.9 41.2 61.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.618 min Scan# 1979
 Delta R.T. -0.003 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

Tgt Ion:164 Resp: 55666
 Ion Ratio Lower Upper
 164 100
 162 106.4 82.3 123.5
 160 41.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 133.686 ng

RT: 16.117 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

RVE-146

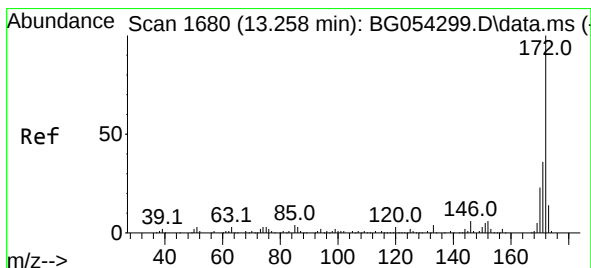
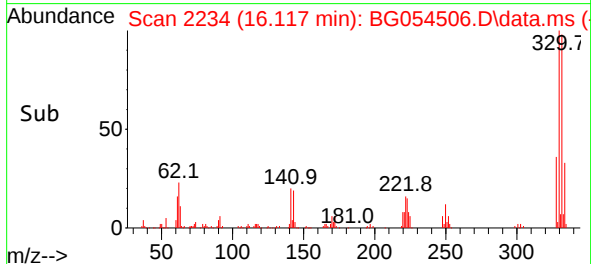
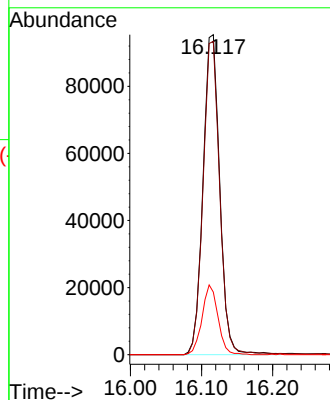
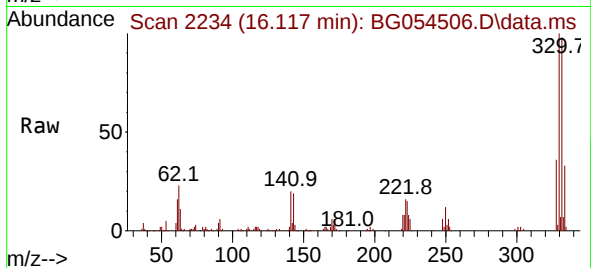
Tgt Ion:330 Resp: 156249

Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 20.8 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 88.984 ng

RT: 13.238 min Scan# 1744

Delta R.T. -0.009 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

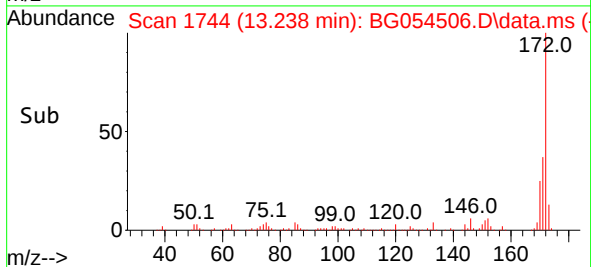
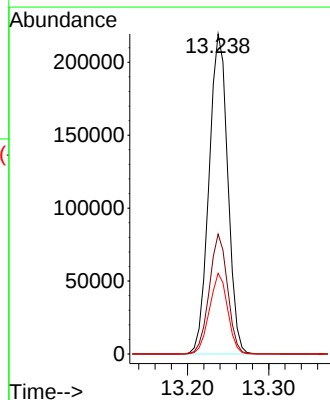
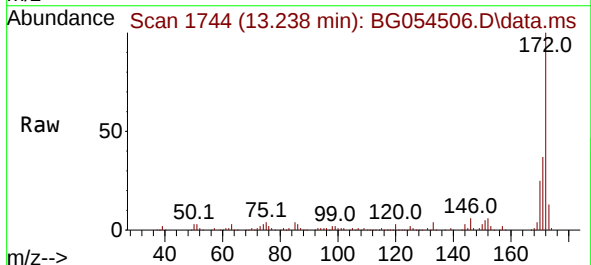
Tgt Ion:172 Resp: 351129

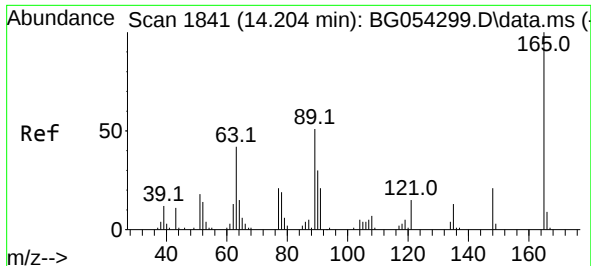
Ion Ratio Lower Upper

172 100

171 37.5 28.5 42.7

170 25.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.221 ng

RT: 14.618 min Scan# 1979

Delta R.T. 0.420 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

RVE-146

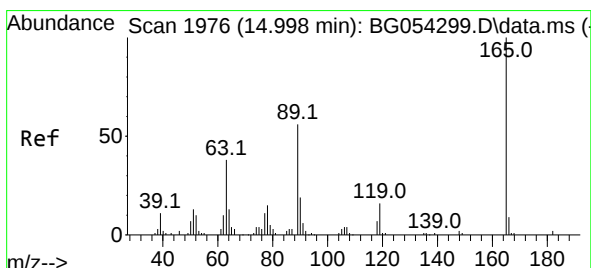
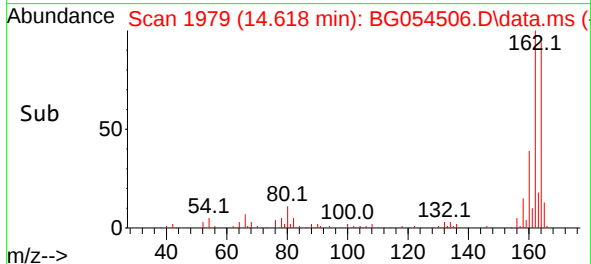
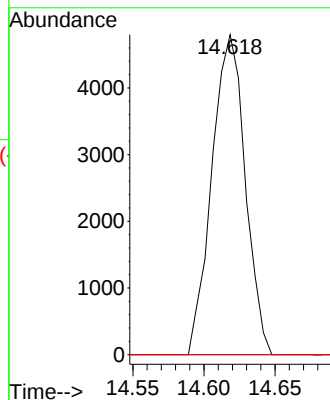
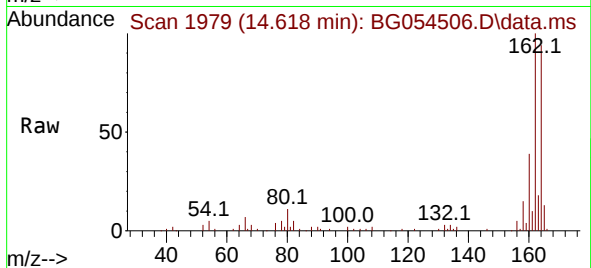
Tgt Ion:165 Resp: 7840

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: 5.734 ng

RT: 14.618 min Scan# 1979

Delta R.T. -0.374 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

Tgt Ion:165 Resp: 7840

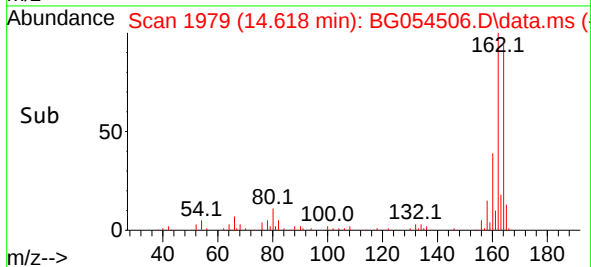
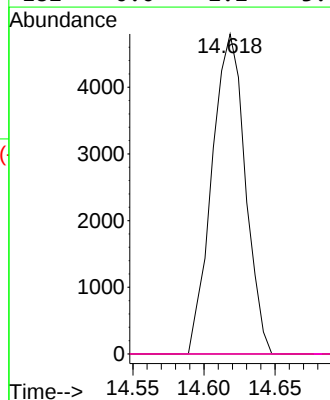
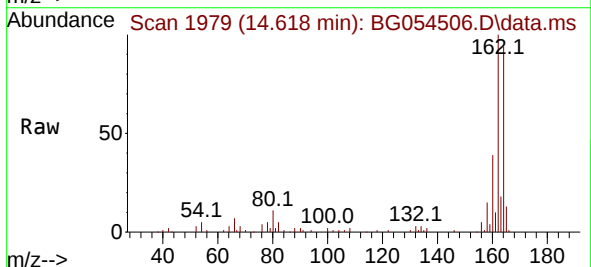
Ion Ratio Lower Upper

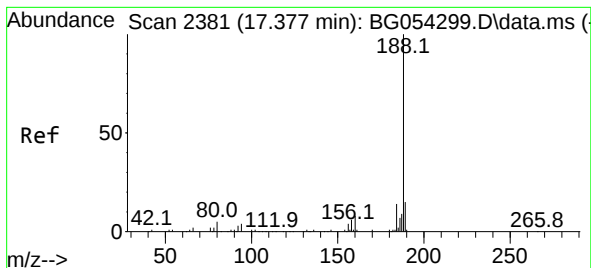
165 100

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: 17.362 min Scan# 2446

Delta R.T. -0.009 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

RVE-146

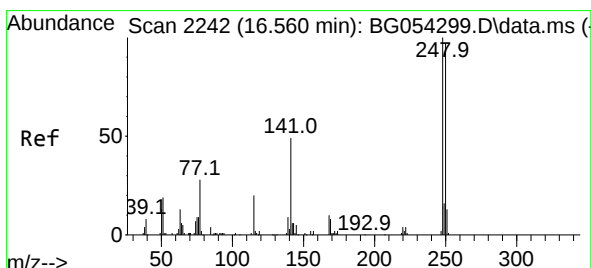
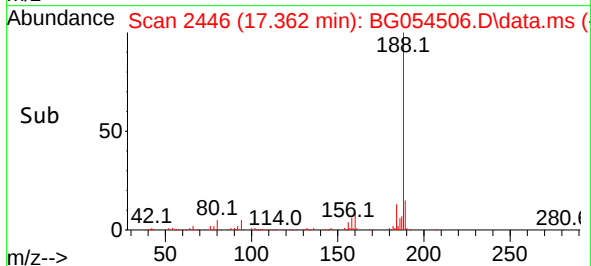
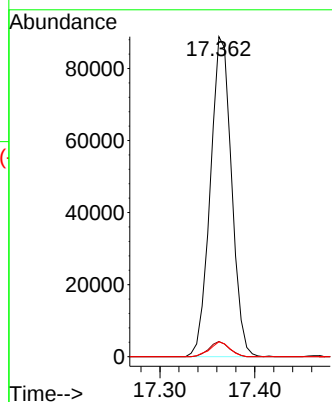
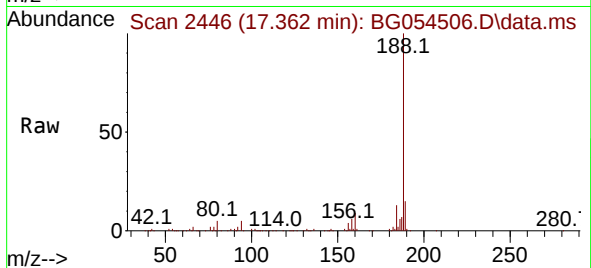
Tgt Ion:188 Resp: 137908

Ion Ratio Lower Upper

188 100

94 4.7 5.4 8.0#

80 4.6 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.775 ng

RT: 16.111 min Scan# 2233

Delta R.T. -0.444 min

Lab File: BG054506.D

Acq: 3 Aug 2022 19:31

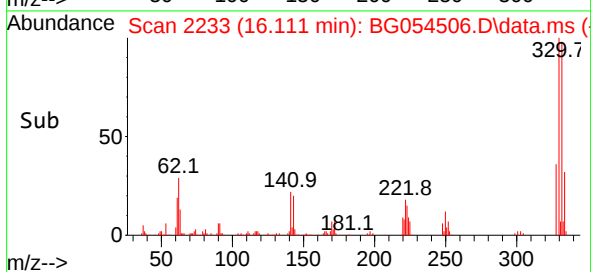
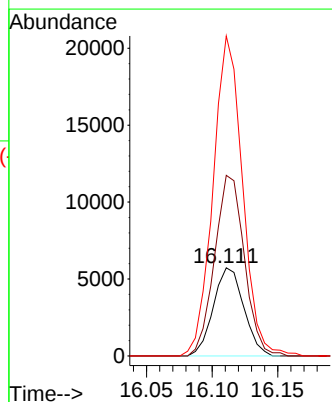
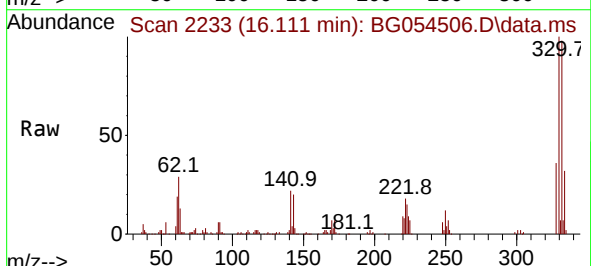
Tgt Ion:248 Resp: 9249

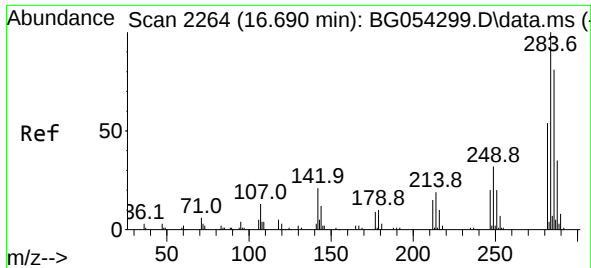
Ion Ratio Lower Upper

248 100

250 264.2 75.2 112.8#

141 362.7 50.0 75.0#

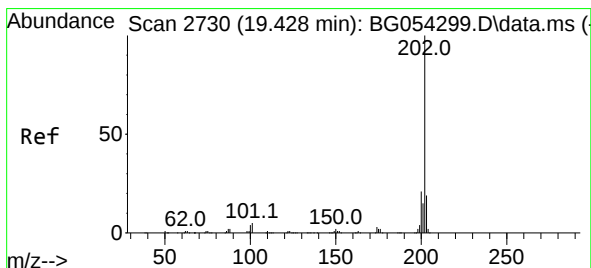
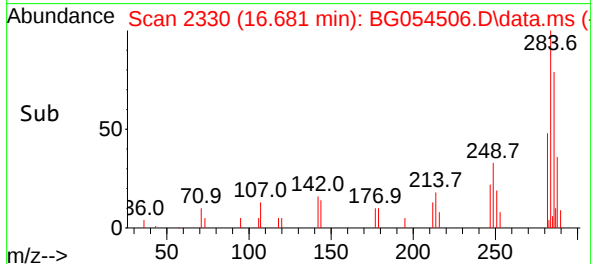
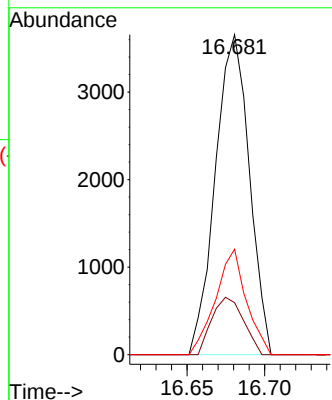
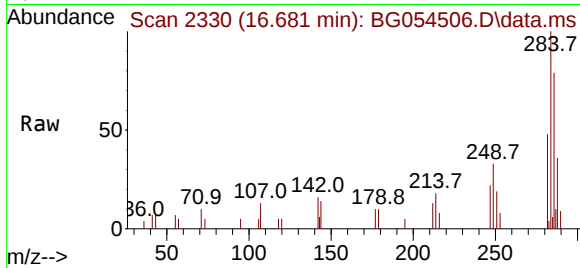




#68
Hexachlorobenzene
Concen: 2.511 ng
RT: 16.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

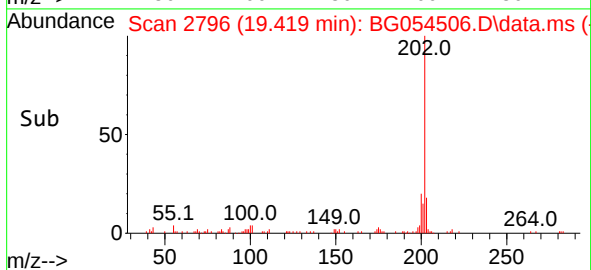
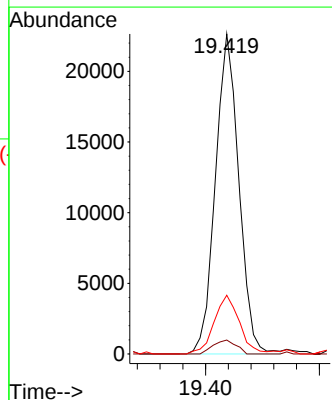
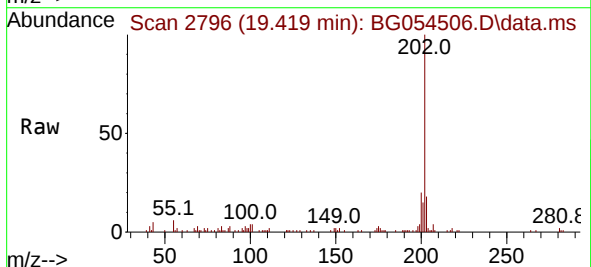
Instrument :
BNA_G
ClientSampleId :
RVE-146

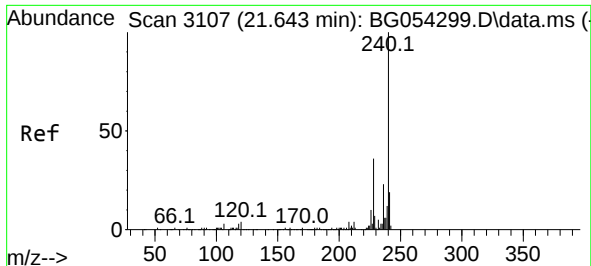
Tgt Ion:284 Resp: 5562
Ion Ratio Lower Upper
284 100
142 16.2 23.6 35.4#
249 32.9 25.8 38.6



#75
Fluoranthene
Concen: 3.468 ng
RT: 19.419 min Scan# 2796
Delta R.T. -0.003 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion:202 Resp: 32467
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 18.3 0.0 37.2

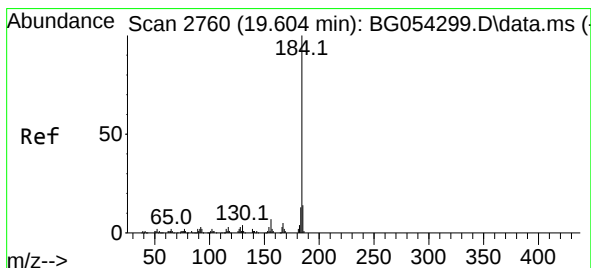
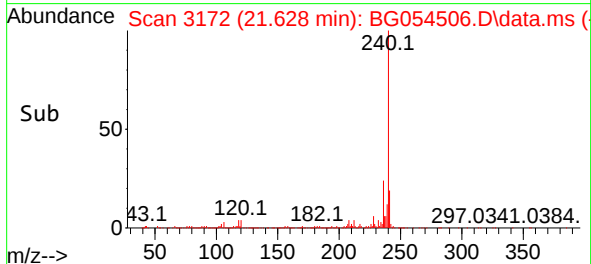
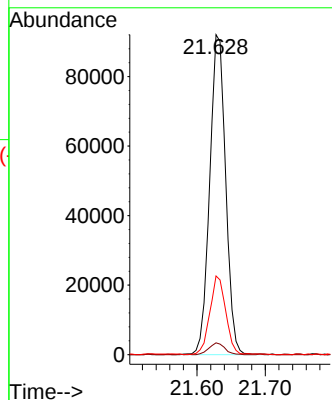
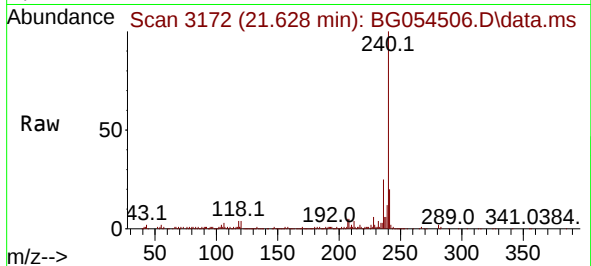




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.628 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

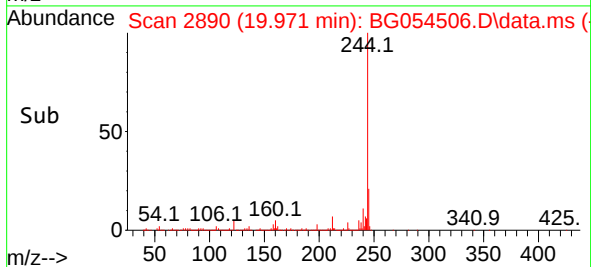
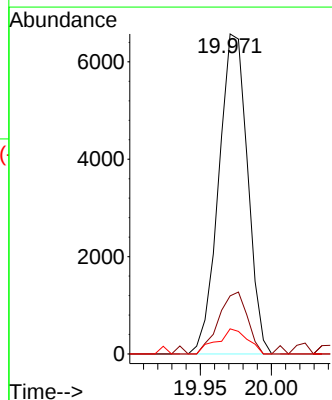
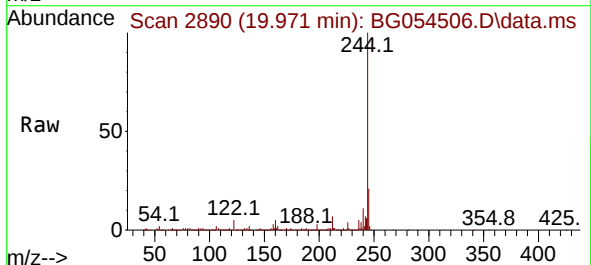
Instrument :
BNA_G
ClientSampleId :
RVE-146

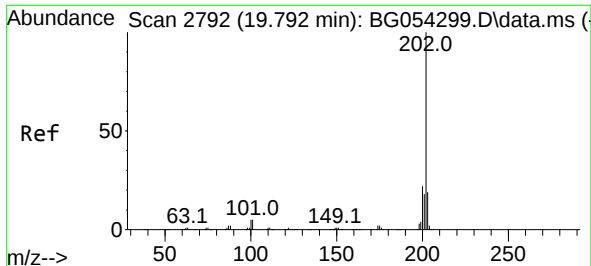
Tgt Ion:240 Resp: 149932
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.6 20.2 30.4



#77
Benzidine
Concen: 3.417 ng
RT: 19.971 min Scan# 2890
Delta R.T. 0.373 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion:184 Resp: 9279
Ion Ratio Lower Upper
184 100
185 18.2 11.8 17.6#
183 7.8 8.9 13.3#

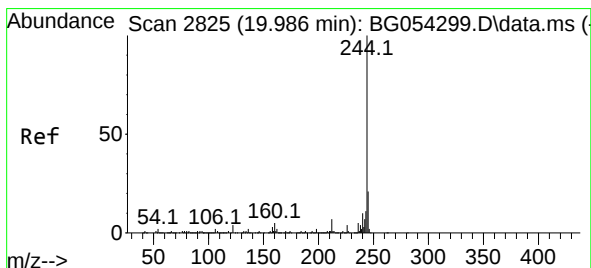
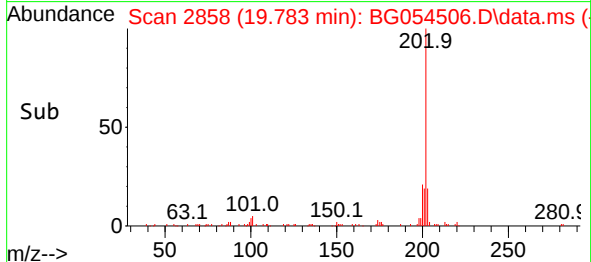
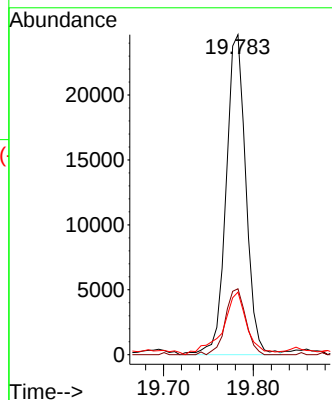
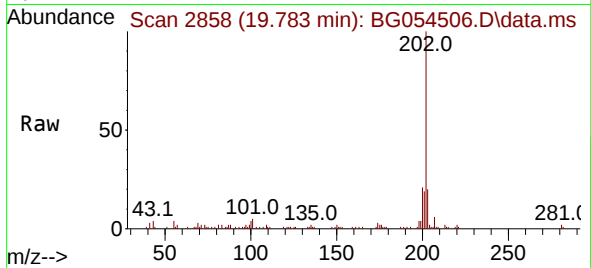




#78
 Pyrene
 Concen: 4.377 ng
 RT: 19.783 min Scan# 2858
 Delta R.T. -0.003 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

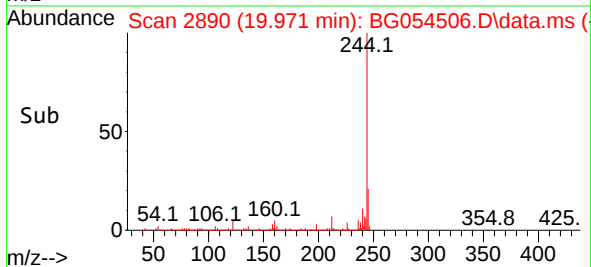
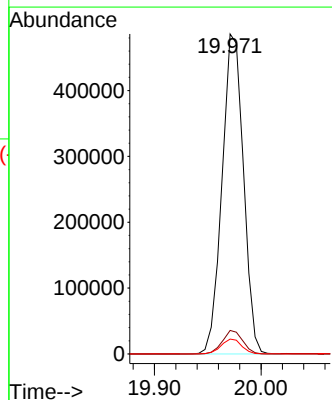
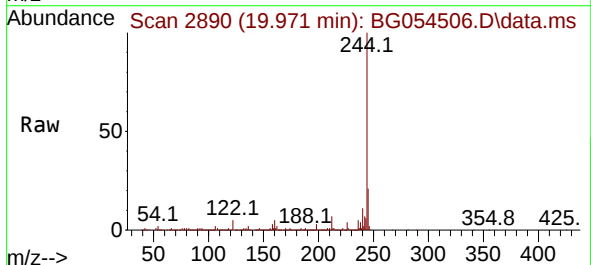
Instrument :
 BNA_G
 ClientSampleId :
 RVE-146

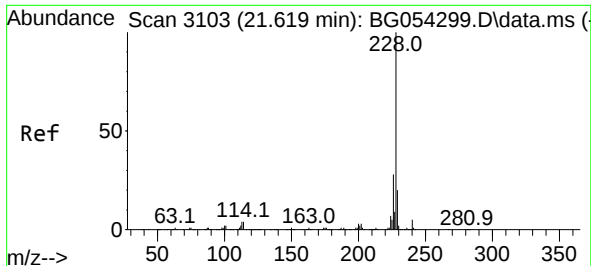
Tgt Ion:202 Resp: 37655
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 19.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 89.524 ng
 RT: 19.971 min Scan# 2890
 Delta R.T. -0.009 min
 Lab File: BG054506.D
 Acq: 3 Aug 2022 19:31

Tgt Ion:244 Resp: 676608
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.7 5.0 7.4#

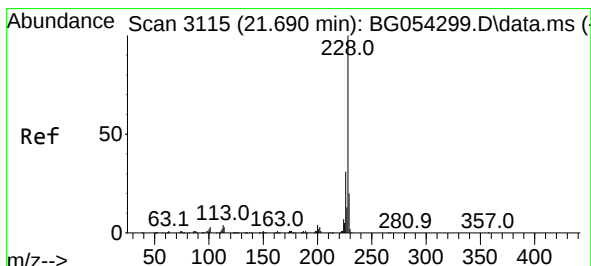
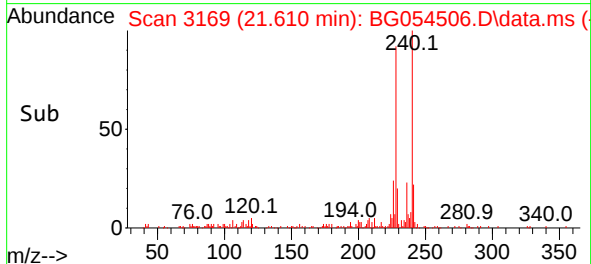
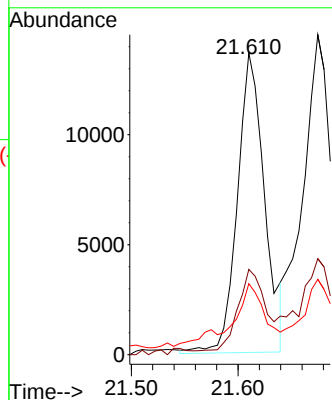
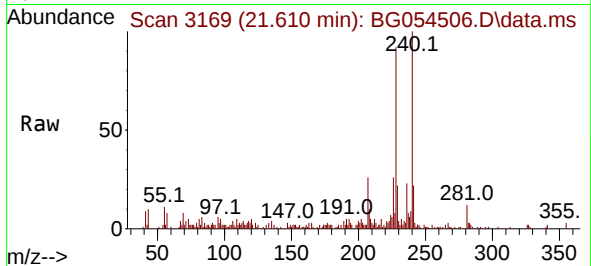




#81
Benzo(a)anthracene
Concen: 2.534 ng
RT: 21.610 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

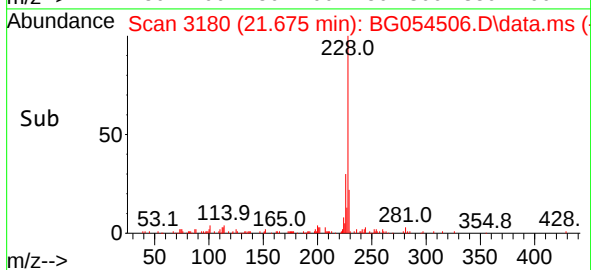
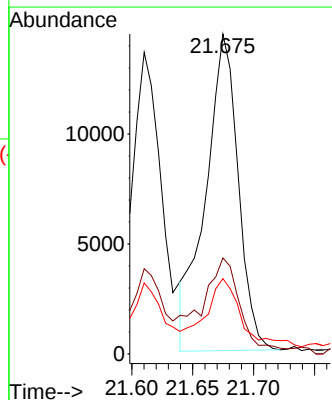
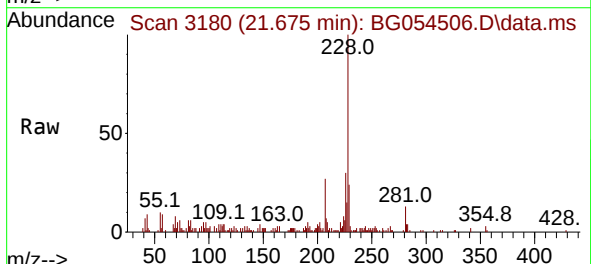
Instrument :
BNA_G
ClientSampleId :
RVE-146

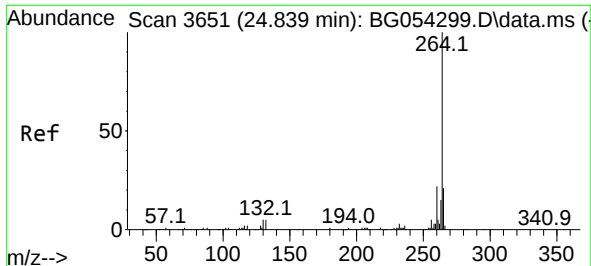
Tgt Ion:228 Resp: 24115
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 23.5 16.2 24.2



#83
Chrysene
Concen: 2.978 ng
RT: 21.675 min Scan# 3180
Delta R.T. -0.009 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion:228 Resp: 26777
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.2
229 23.5 15.5 23.3#



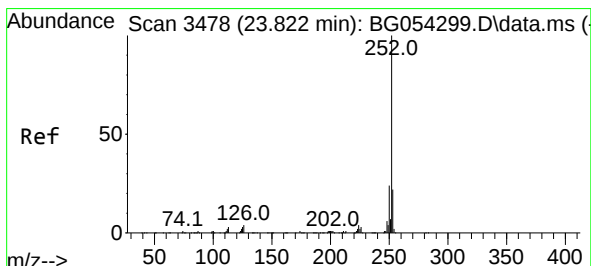
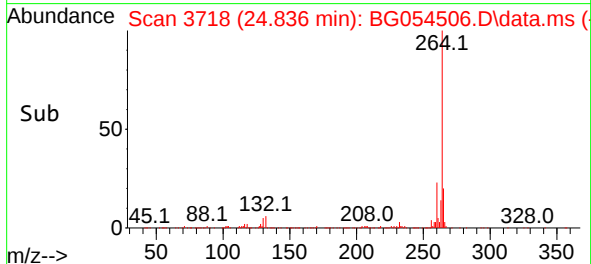
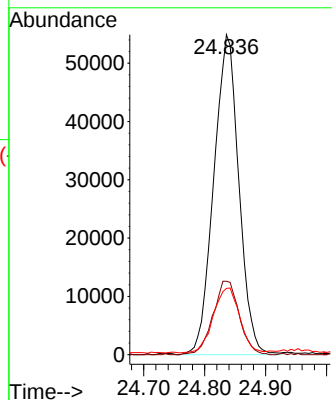
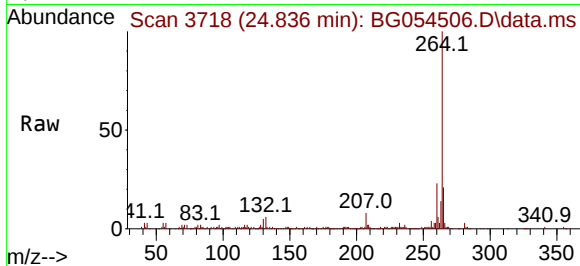


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.836 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Instrument :
BNA_G
ClientSampleId :
RVE-146

Tgt Ion:264 Resp: 156811

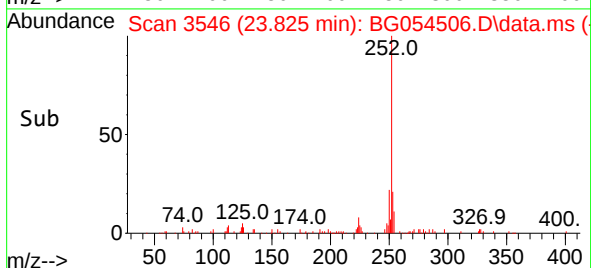
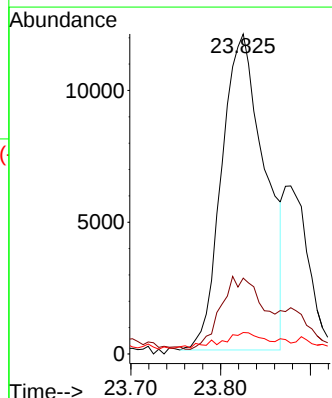
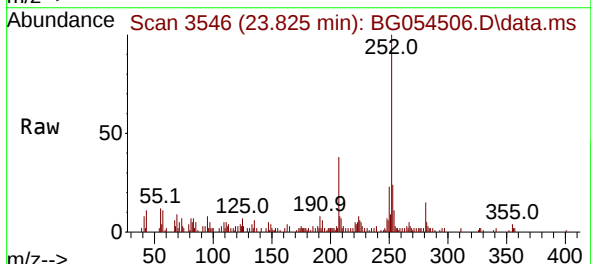
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	20.7	17.4	26.2

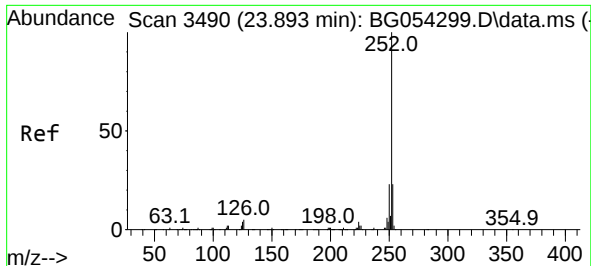


#88
Benzo(b)fluoranthene
Concen: 4.319 ng
RT: 23.825 min Scan# 3546
Delta R.T. 0.002 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion:252 Resp: 40057

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	6.7	4.6	6.8

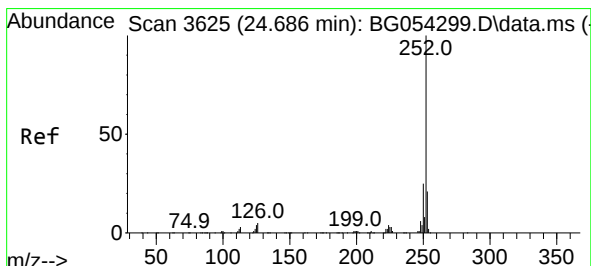
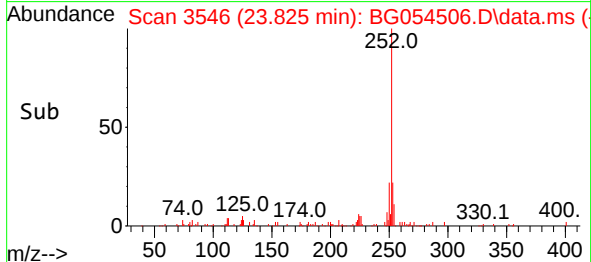
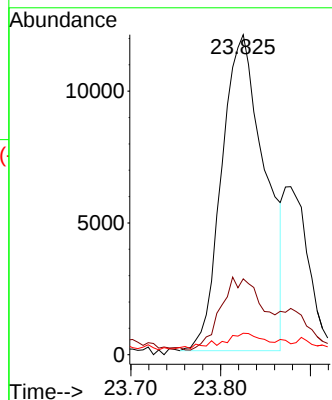
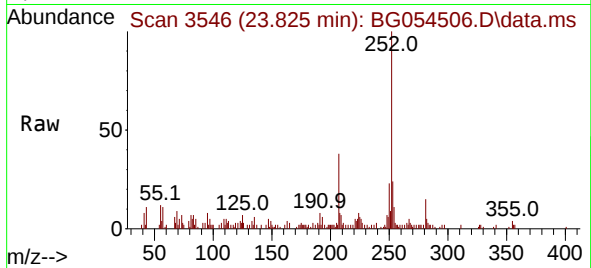




#89
Benzo(k)fluoranthene
Concen: 4.340 ng
RT: 23.825 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

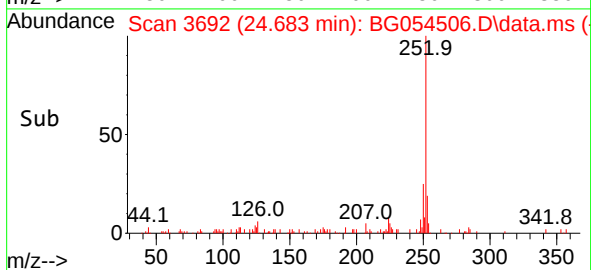
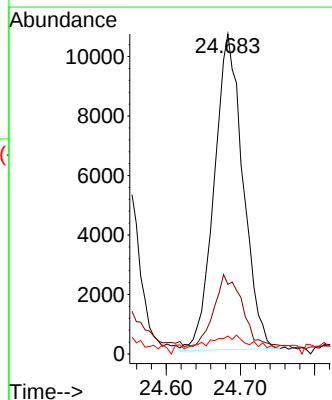
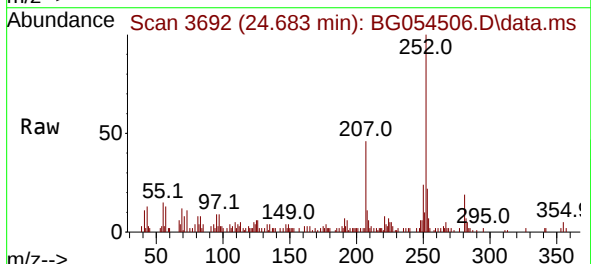
Instrument :
BNA_G
ClientSampleId :
RVE-146

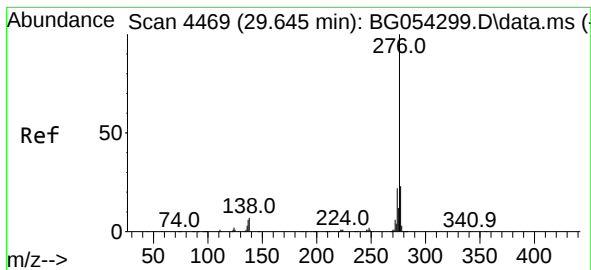
Tgt Ion:252 Resp: 40057
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 6.7 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.609 ng
RT: 24.683 min Scan# 3692
Delta R.T. -0.003 min
Lab File: BG054506.D
Acq: 3 Aug 2022 19:31

Tgt Ion:252 Resp: 28586
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 5.6 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 2.467 ng

RT: 29.665 min Scan# 4

Delta R.T. 0.002 min

Lab File: BG054506.D

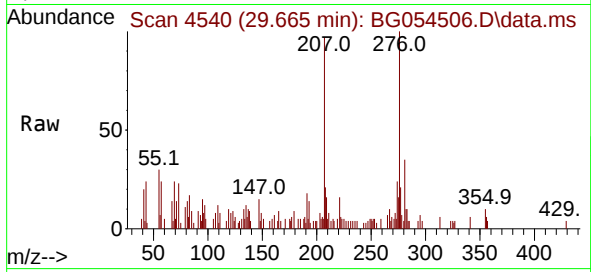
Acq: 3 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

RVE-146



Tgt Ion:276 Resp: 23886

Ion Ratio Lower Upper

276 100

277 21.4 17.3 25.9

138 8.6 9.6 14.4#

