

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054504.D
 Acq On : 3 Aug 2022 18:05
 Operator : CG/JU
 Sample : N3935-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-143

Quant Time: Aug 04 00:44:15 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)

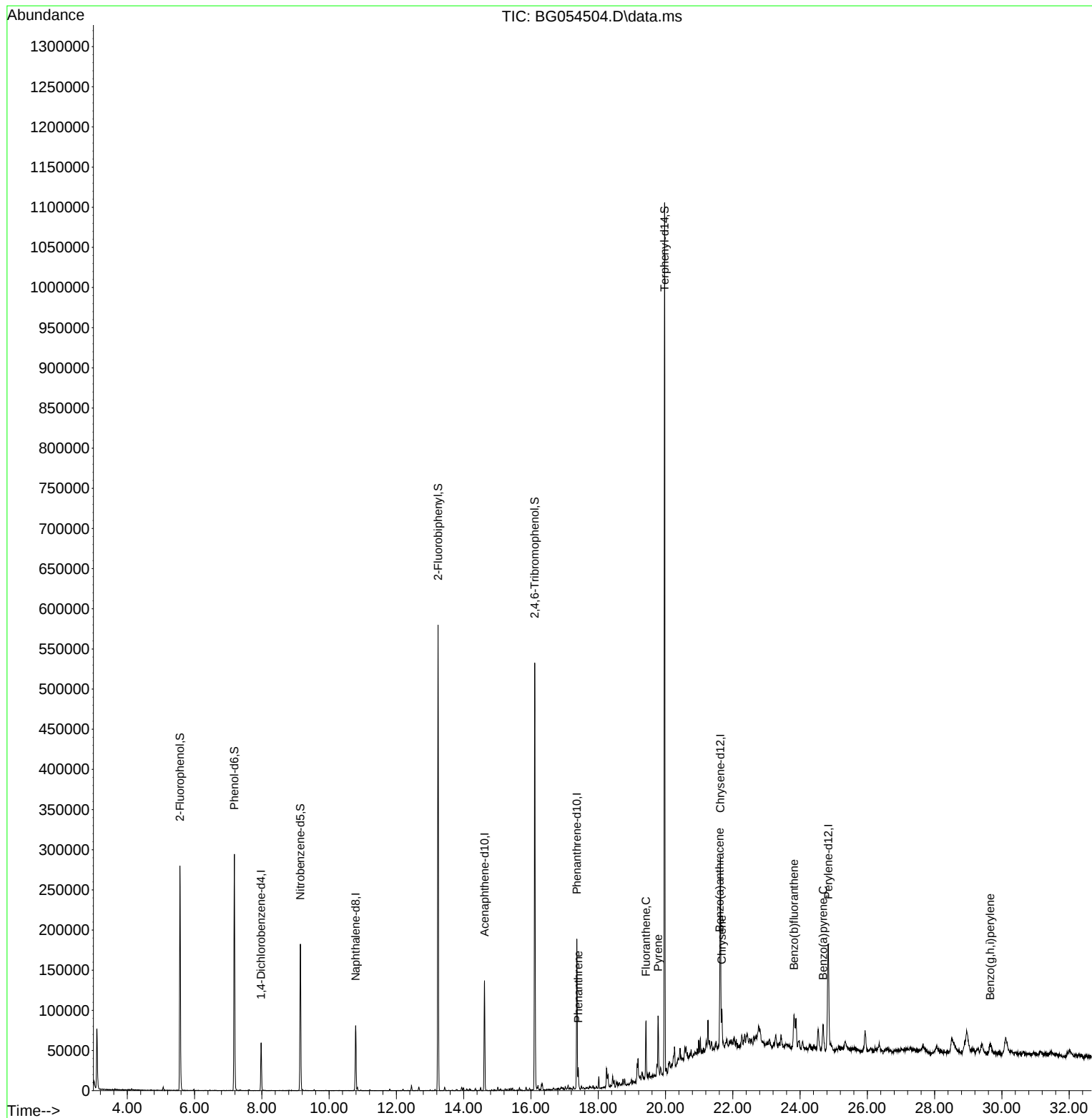
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	19300	20.000	ng	-0.01
21) Naphthalene-d8	10.791	136	73362	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	55481	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	131178	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	148224	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	157347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	126278	136.608	ng	0.00
7) Phenol-d6	7.183	99	166461	131.420	ng	0.01
23) Nitrobenzene-d5	9.146	82	112206	83.291	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	141586	121.544	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	329661	83.822	ng	0.00
79) Terphenyl-d14	19.974	244	612701	82.003	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.407	178	18787	2.876	ng	98
75) Fluoranthene	19.422	202	46899	5.267	ng	97
78) Pyrene	19.780	202	51817	6.093	ng	96
81) Benzo(a)anthracene	21.613	228	31101	3.305	ng	96
83) Chrysene	21.678	228	40127	4.514	ng	92
88) Benzo(b)fluoranthene	23.823	252	55043	5.915	ng	97
90) Benzo(a)pyrene	24.686	252	38833	4.887	ng	# 95
92) Benzo(g,h,i)perylene	29.657	276	32845	3.381	ng	# 91

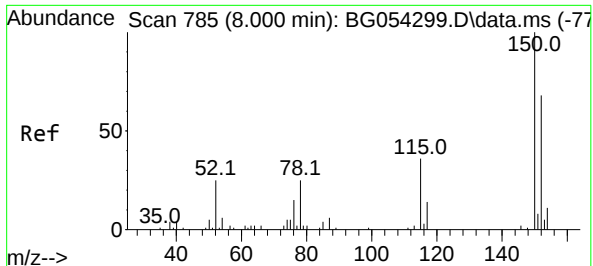
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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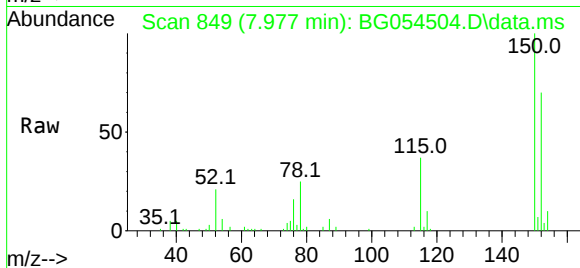
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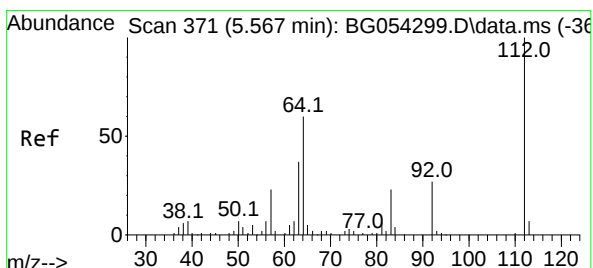
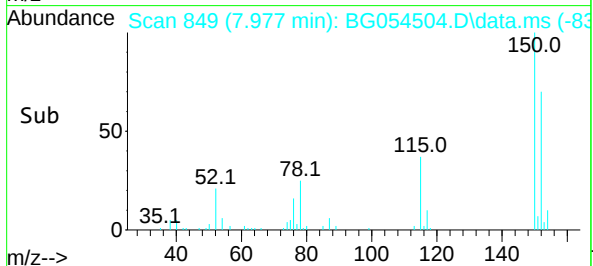
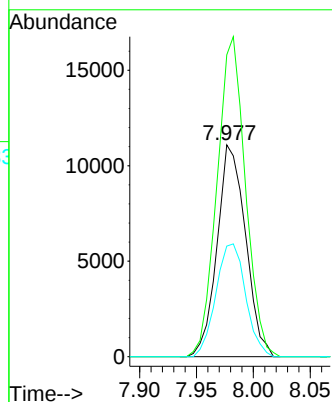


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Instrument :
BNA_G
ClientSampleId :
RVE-143

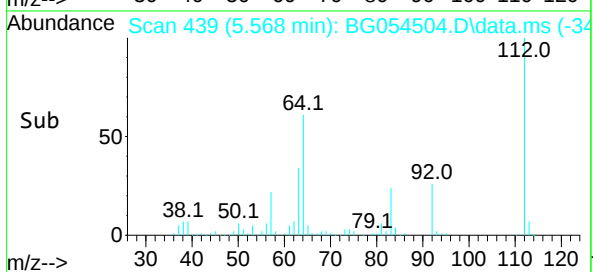
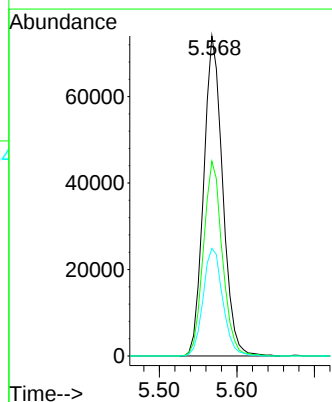
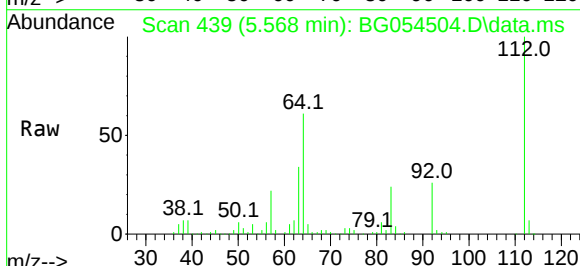


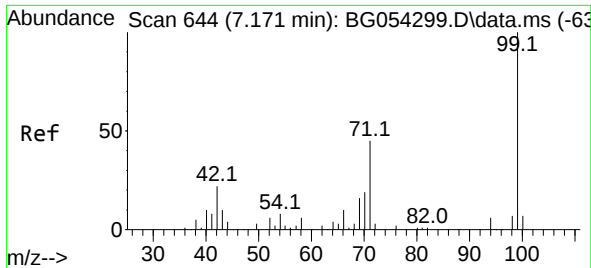
Tgt Ion:152 Resp: 19300
Ion Ratio Lower Upper
152 100
150 142.4 131.6 197.4
115 52.2 50.9 76.3



#5
2-Fluorophenol
Concen: 136.608 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:112 Resp: 126278
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 33.6 30.4 45.6

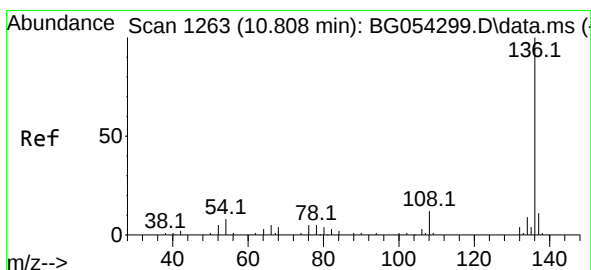
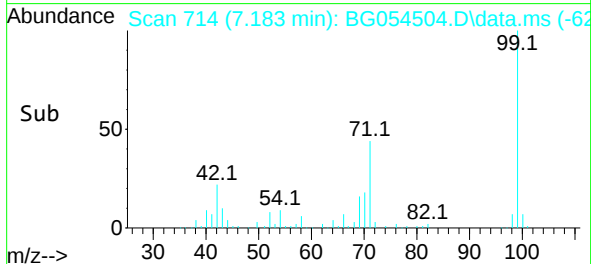
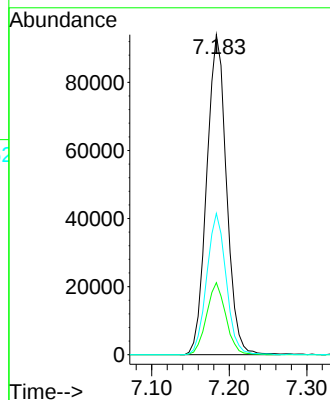
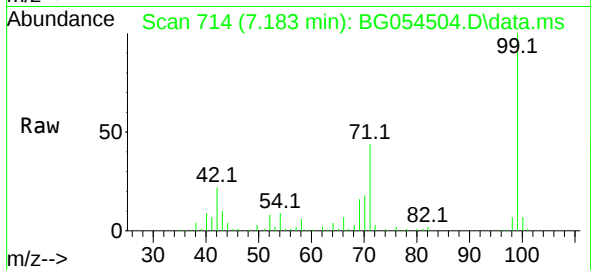




#7
Phenol-d6
Concen: 131.420 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.012 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

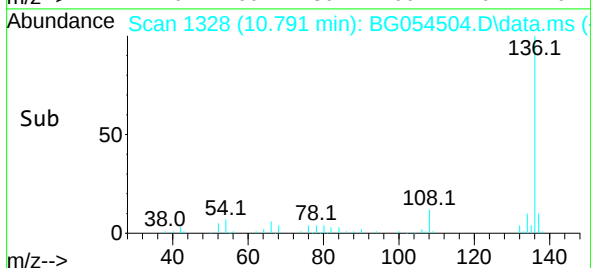
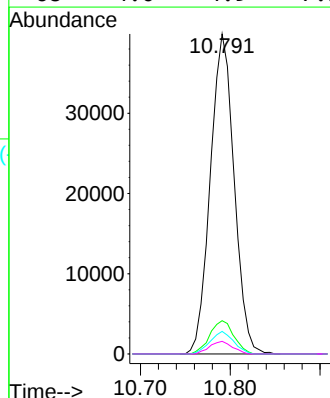
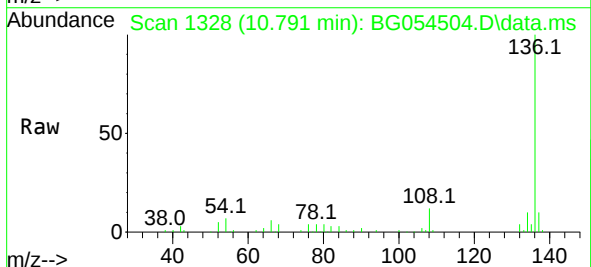
Instrument :
BNA_G
ClientSampleId :
RVE-143

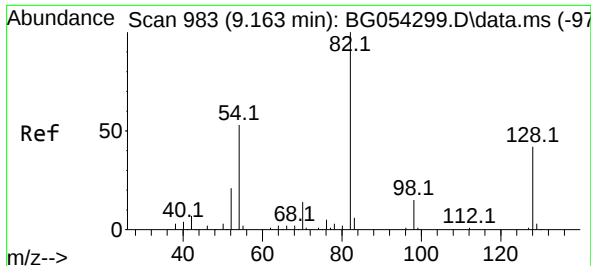
Tgt Ion: 99 Resp: 166461
Ion Ratio Lower Upper
99 100
42 22.5 17.0 25.6
71 44.2 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion: 136 Resp: 73362
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 7.1 7.4 11.2#
68 4.0 4.9 7.3#

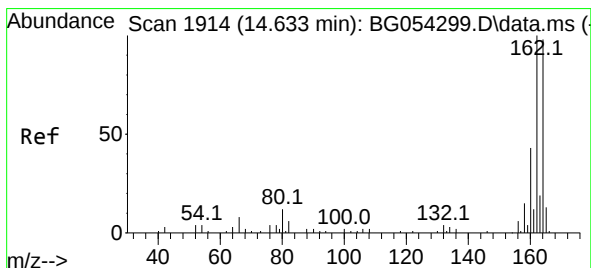
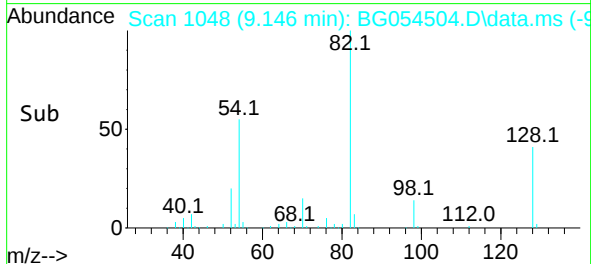
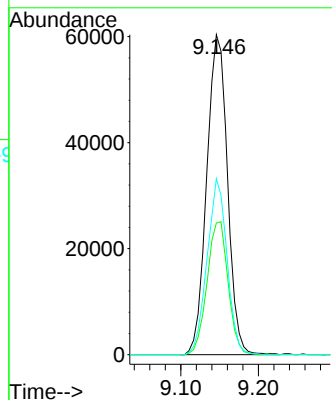
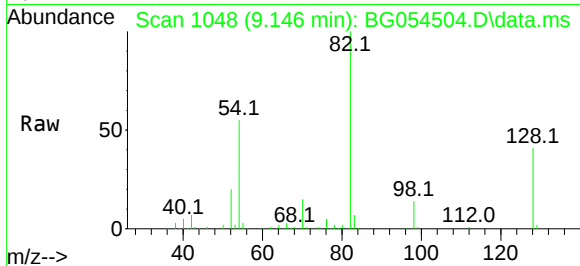




#23
Nitrobenzene-d5
Concen: 83.291 ng
RT: 9.146 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

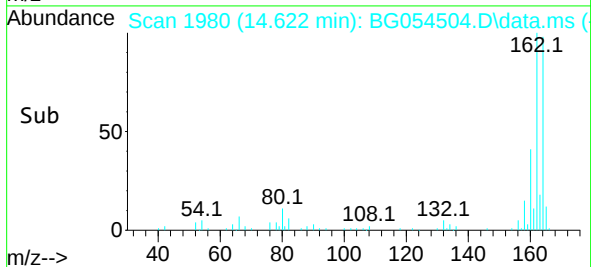
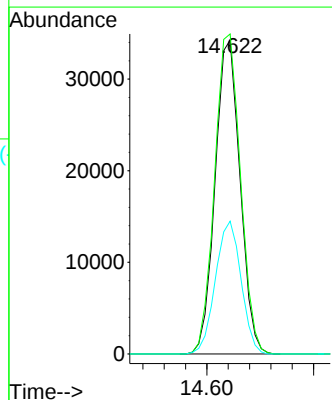
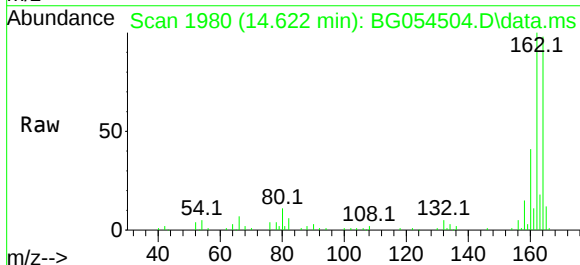
Instrument :
BNA_G
ClientSampleId :
RVE-143

Tgt Ion: 82 Resp: 112206
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 55.0 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:164 Resp: 55481
Ion Ratio Lower Upper
164 100
162 102.0 82.3 123.5
160 42.3 34.2 51.2

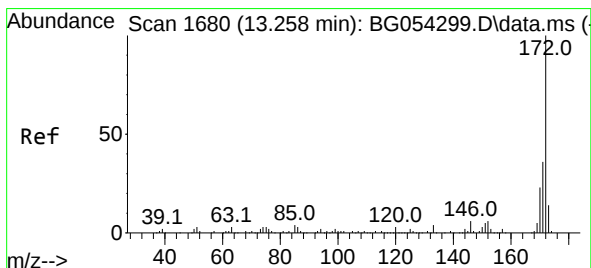
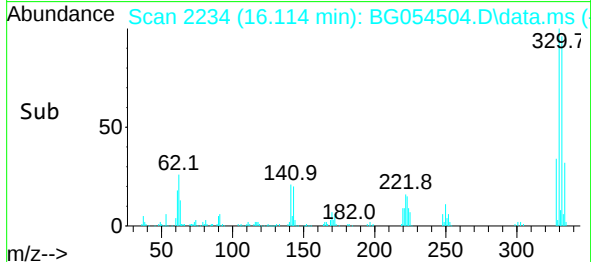
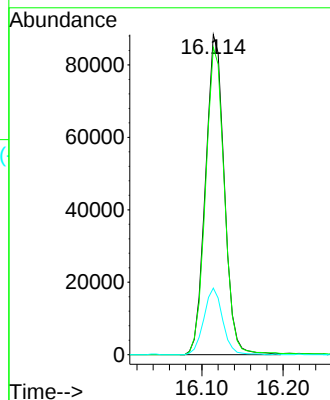
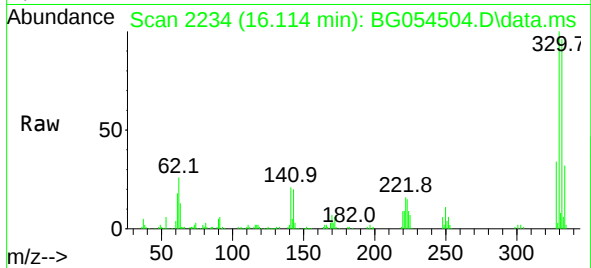




#42
2,4,6-Tribromophenol
Concen: 121.544 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

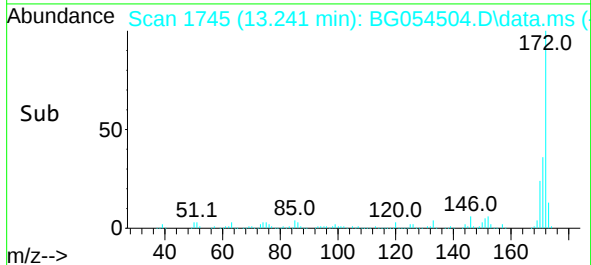
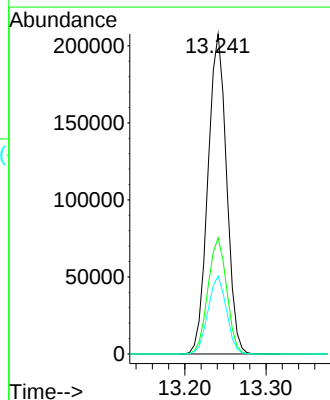
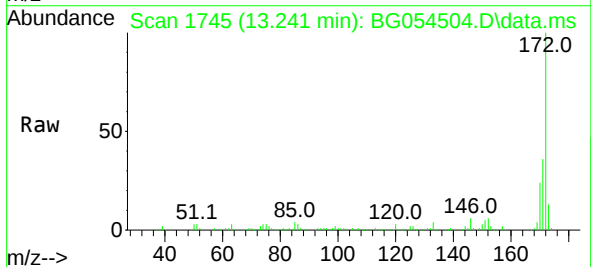
Instrument :
BNA_G
ClientSampleId :
RVE-143

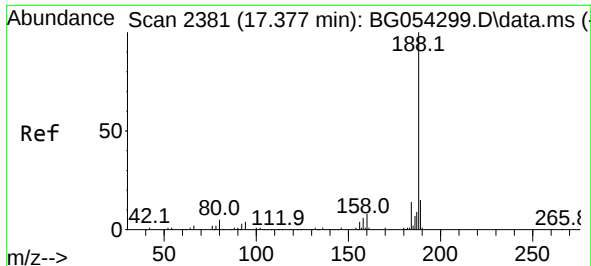
Tgt Ion:330 Resp: 141586
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.8 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 83.822 ng
RT: 13.241 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:172 Resp: 329661
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.3 18.9 28.3

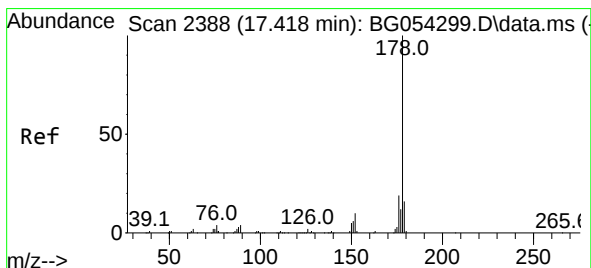
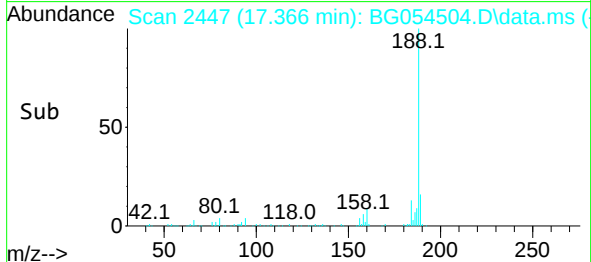
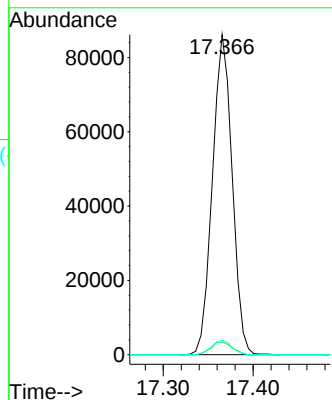
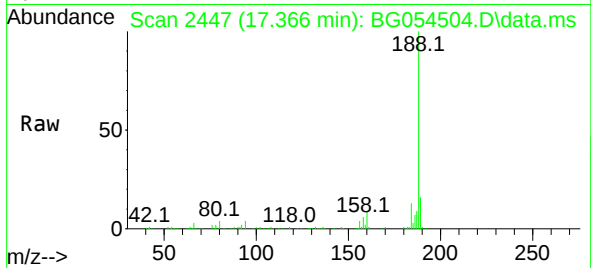




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

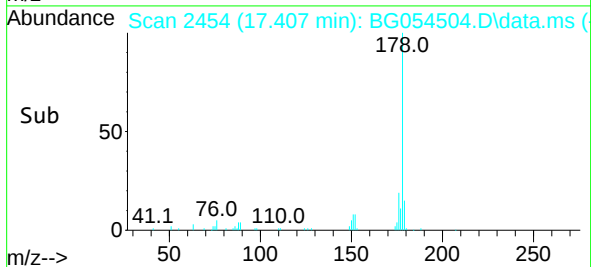
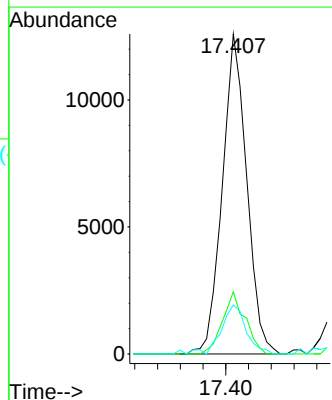
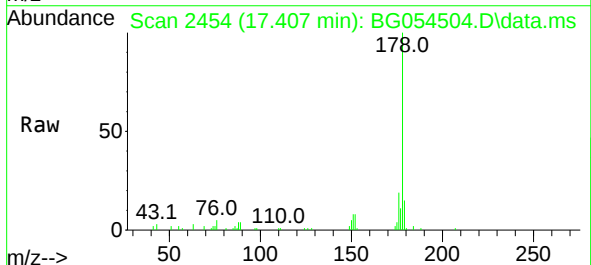
Instrument :
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ClientSampleId :
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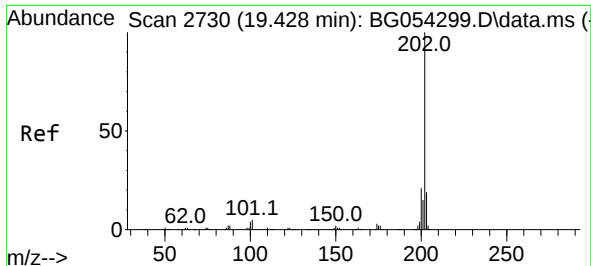
Tgt Ion:188 Resp: 131178
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.4 6.8 10.2#



#71
Phenanthrene
Concen: 2.876 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:178 Resp: 18787
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.3 12.1 18.1

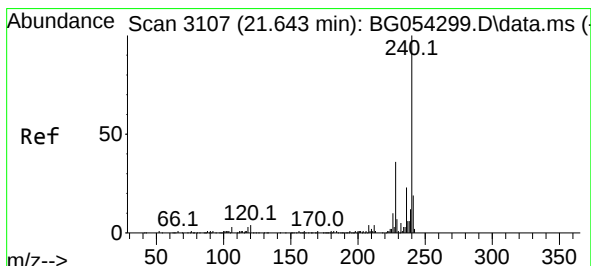
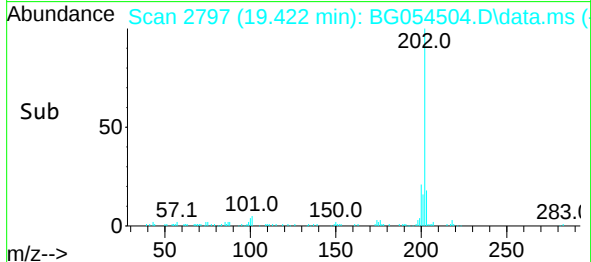
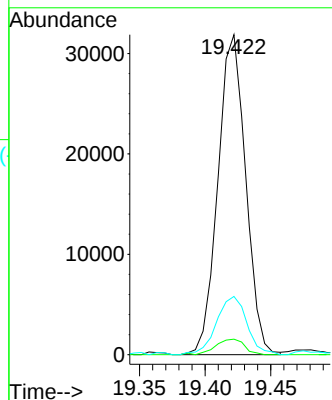
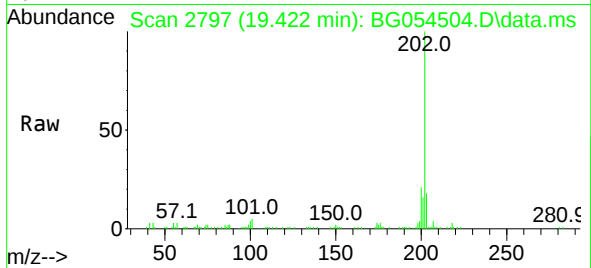




#75
Fluoranthene
Concen: 5.267 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

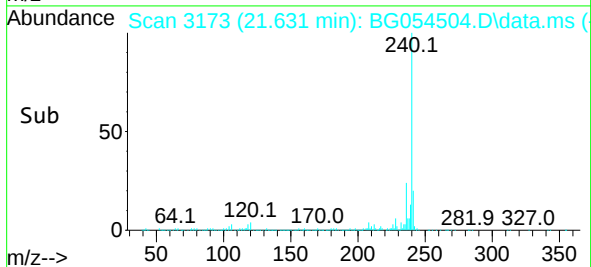
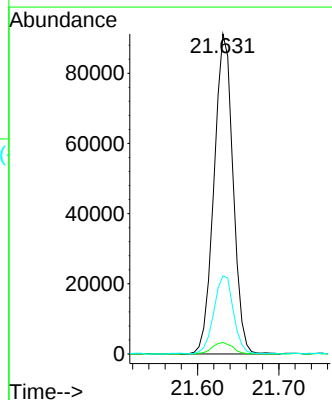
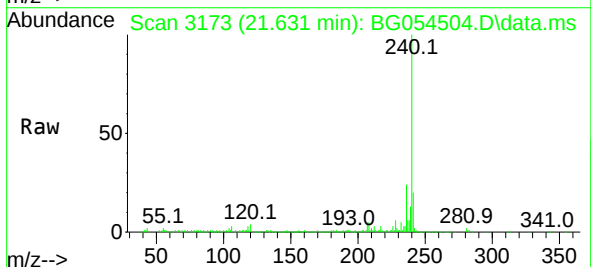
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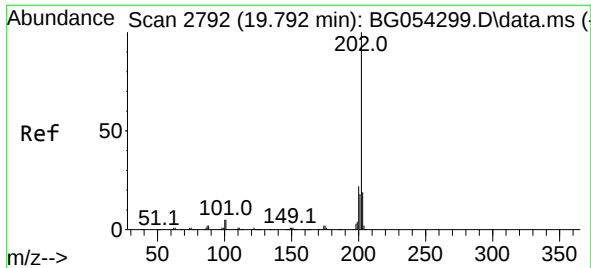
Tgt Ion:202 Resp: 46899
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 18.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:240 Resp: 148224
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.4 20.2 30.4

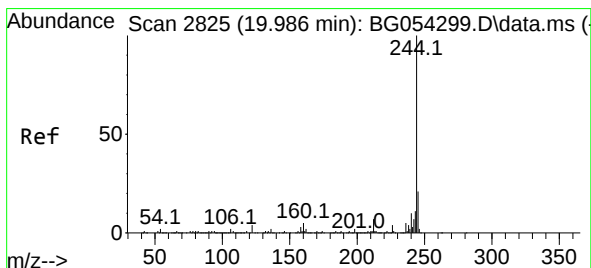
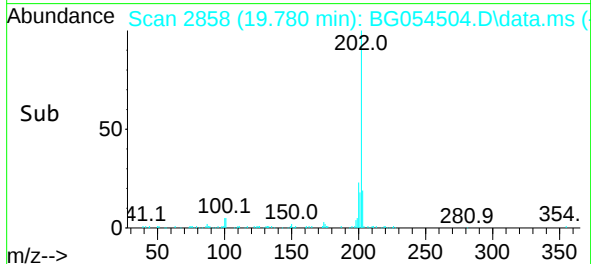
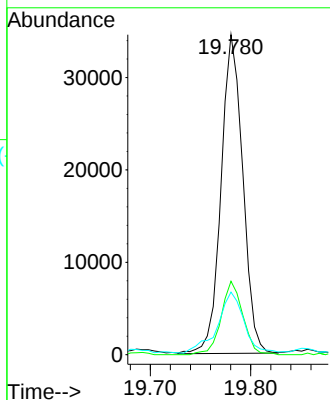
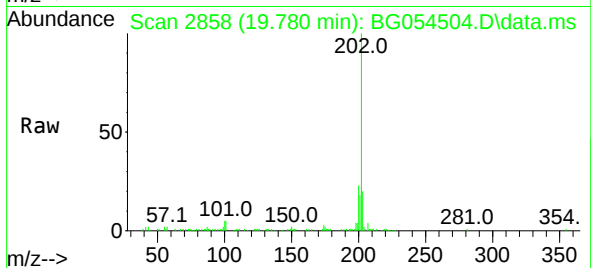




#78
 Pyrene
 Concen: 6.093 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054504.D
 Acq: 3 Aug 2022 18:05

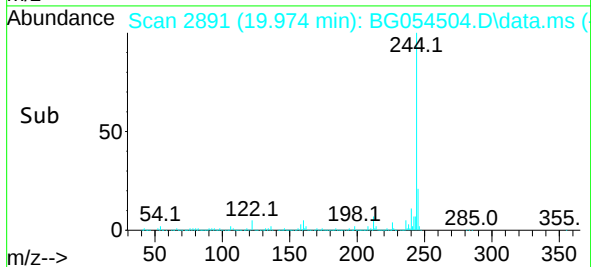
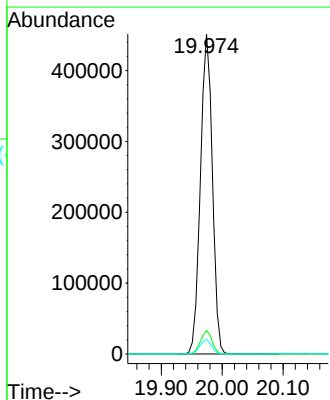
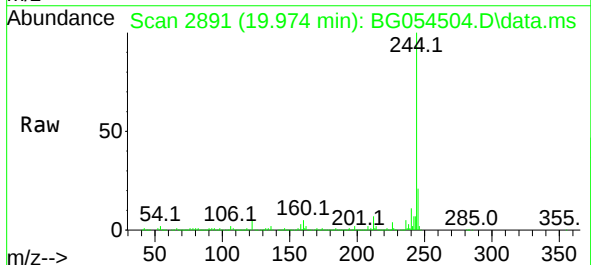
Instrument :
 BNA_G
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 RVE-143

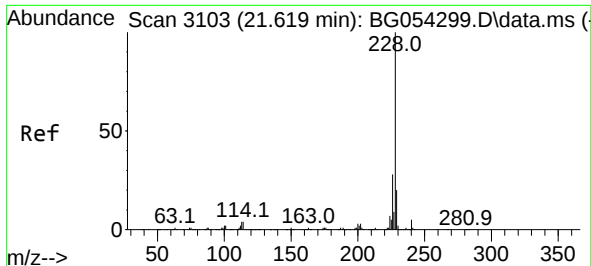
Tgt Ion:202 Resp: 51817
 Ion Ratio Lower Upper
 202 100
 200 23.0 16.6 24.8
 203 19.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 82.003 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.006 min
 Lab File: BG054504.D
 Acq: 3 Aug 2022 18:05

Tgt Ion:244 Resp: 612701
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.6 5.0 7.4#

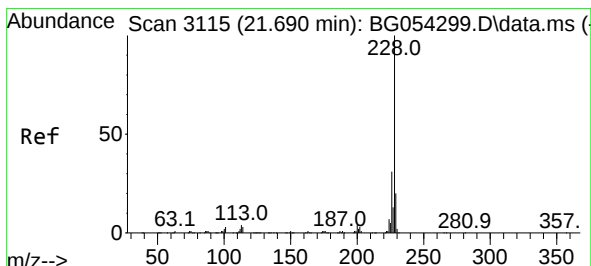
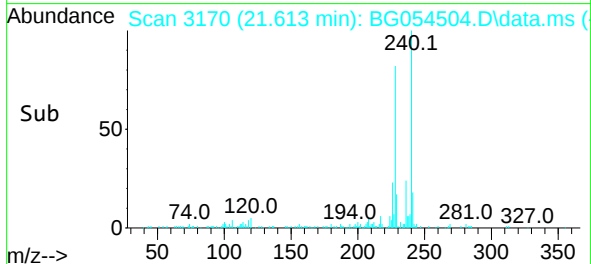
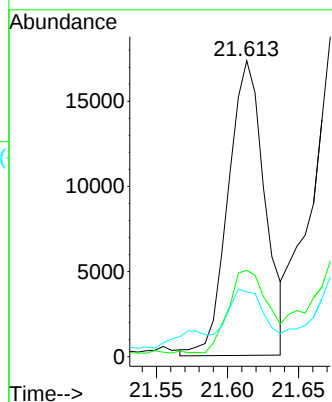
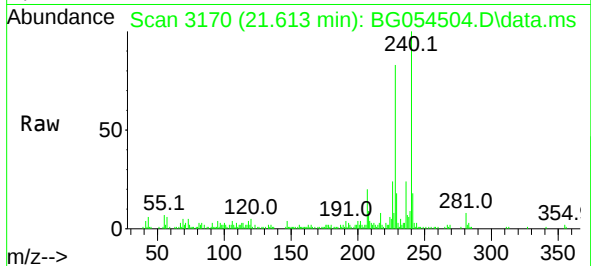




#81
Benzo(a)anthracene
Concen: 3.305 ng
RT: 21.613 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

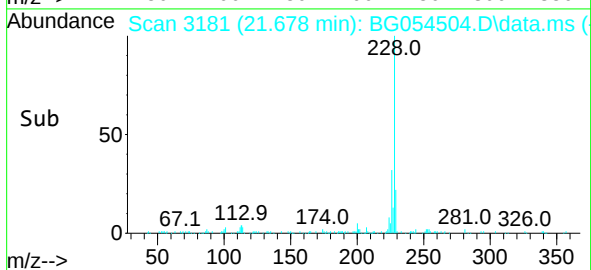
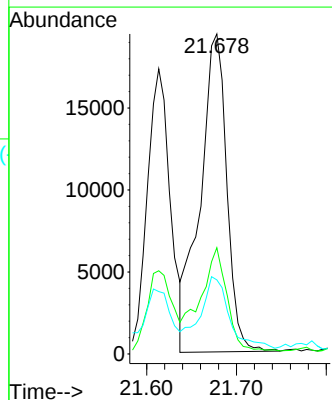
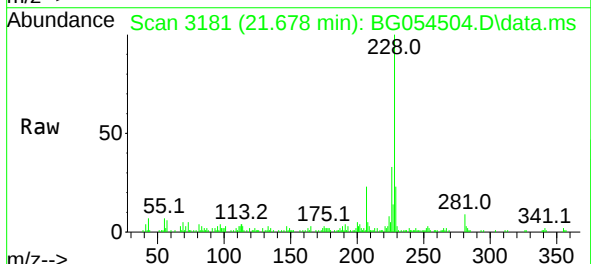
Instrument :
BNA_G
ClientSampleId :
RVE-143

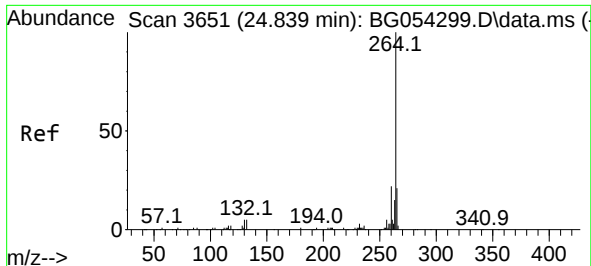
Tgt Ion:228 Resp: 31101
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.9 16.2 24.2



#83
Chrysene
Concen: 4.514 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054504.D
Acq: 3 Aug 2022 18:05

Tgt Ion:228 Resp: 40127
Ion Ratio Lower Upper
228 100
226 33.2 23.4 35.2
229 23.2 15.5 23.3

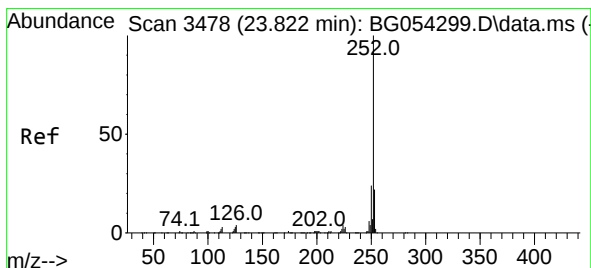
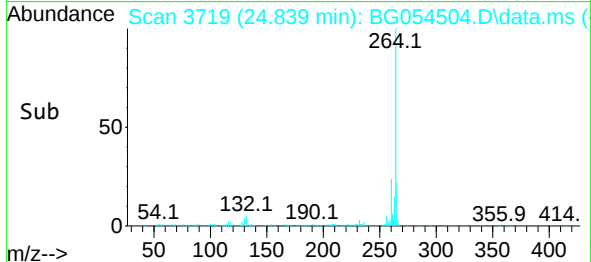
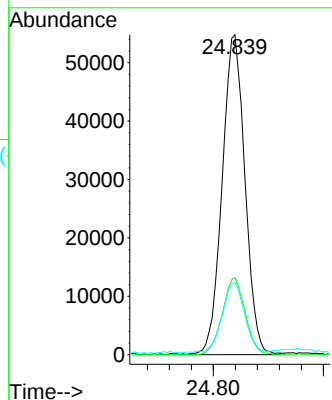
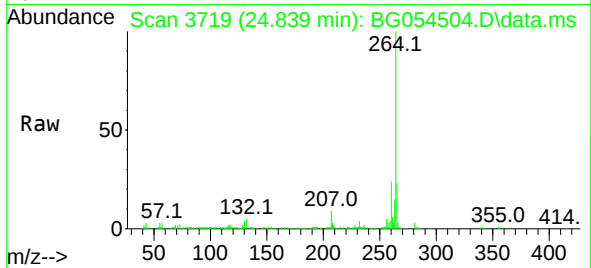




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG054504.D
 Acq: 3 Aug 2022 18:05

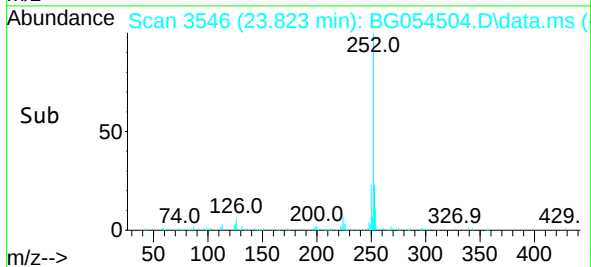
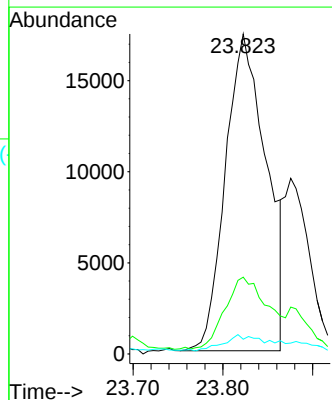
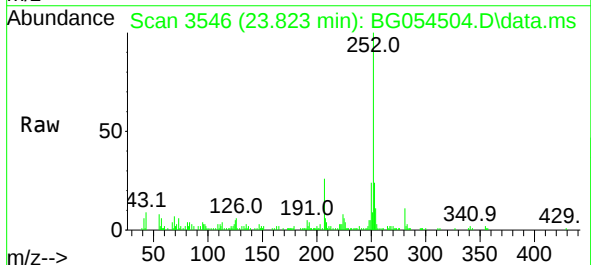
Instrument :
 BNA_G
 ClientSampleId :
 RVE-143

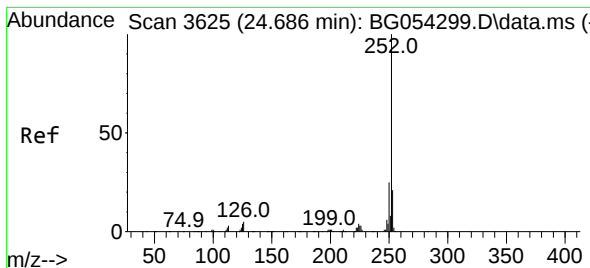
Tgt Ion:264 Resp: 157347
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 22.5 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.915 ng
 RT: 23.823 min Scan# 3546
 Delta R.T. -0.000 min
 Lab File: BG054504.D
 Acq: 3 Aug 2022 18:05

Tgt Ion:252 Resp: 55043
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.0 27.0
 125 4.6 4.6 6.8





#90

Benzo(a)pyrene

Concen: 4.887 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.000 min

Lab File: BG054504.D

Acq: 3 Aug 2022 18:05

Instrument :

BNA_G

ClientSampleId :

RVE-143

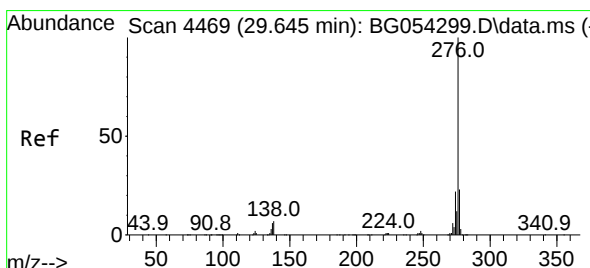
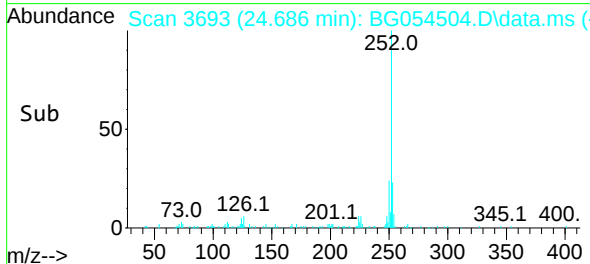
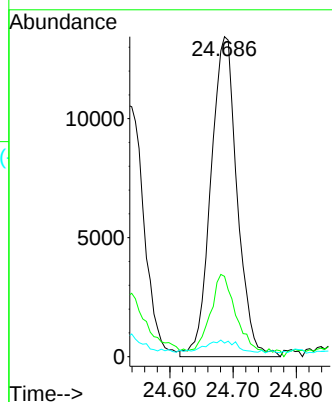
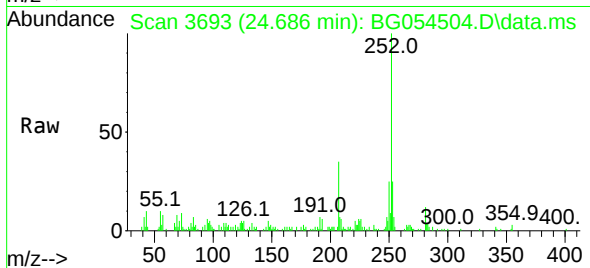
Tgt Ion:252 Resp: 38833

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

125 4.3 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 3.381 ng

RT: 29.657 min Scan# 4539

Delta R.T. -0.006 min

Lab File: BG054504.D

Acq: 3 Aug 2022 18:05

Tgt Ion:276 Resp: 32845

Ion Ratio Lower Upper

276 100

277 26.7 17.3 25.9#

138 9.5 9.6 14.4#

