

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054535.D
 Acq On : 5 Aug 2022 14:43
 Operator : CG/JU
 Sample : N3931-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/08/2022
 Supervised By : Jagrut Upadhyay 08/08/2022

Quant Time: Aug 06 05:39:38 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	14996	20.000	ng	-0.01
21) Naphthalene-d8	10.785	136	64896	20.000	ng	#-0.01
39) Acenaphthene-d10	14.616	164	55575	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	140189	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	150698	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	159118	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	98067	136.538	ng	0.00
7) Phenol-d6	7.178	99	138808	141.041	ng	0.00
23) Nitrobenzene-d5	9.140	82	92371	77.512	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	138296	118.519	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	305705	77.599	ng	-0.01
79) Terphenyl-d14	19.974	244	638729	84.083	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.351	152	12092	2.558	ng	95
71) Phenanthrene	17.407	178	21477	3.076	ng	98
75) Fluoranthene	19.422	202	43926	4.616	ng	96
78) Pyrene	19.780	202	86885	10.048	ng	99
81) Benzo(a)anthracene	21.614	228	42091	4.400	ng	94
83) Chrysene	21.678	228	53707	5.942	ng	95
87) Indeno(1,2,3-cd)pyrene	28.535	276	43657	3.607	ng	94
88) Benzo(b)fluoranthene	23.823	252	62456m	6.637	ng	
89) Benzo(k)fluoranthene	23.870	252	23044m	2.461	ng	
90) Benzo(a)pyrene	24.686	252	63772	7.936	ng	94
92) Benzo(g,h,i)perylene	29.681	276	59846	6.092	ng	# 91

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

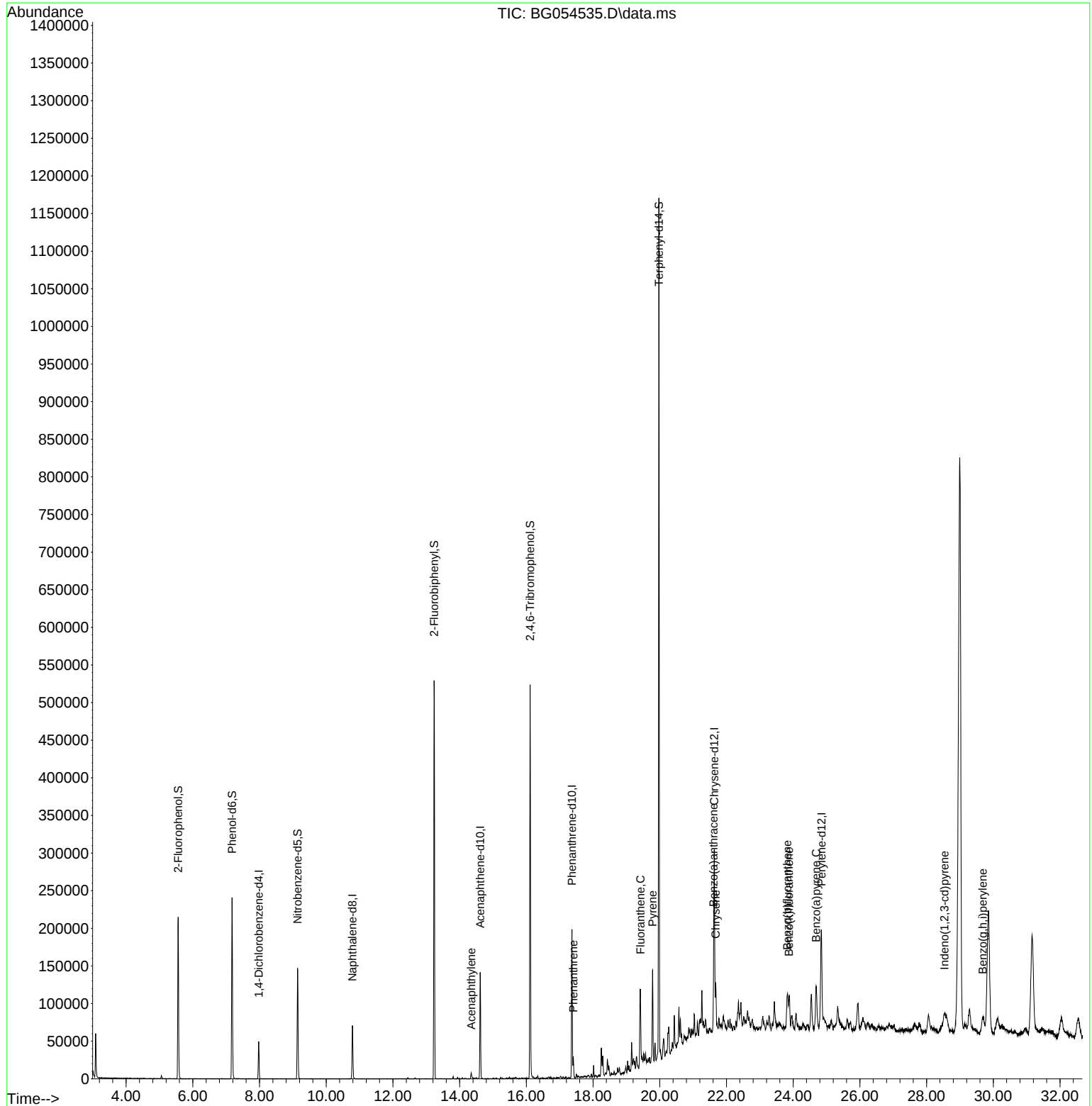
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
Data File : BG054535.D
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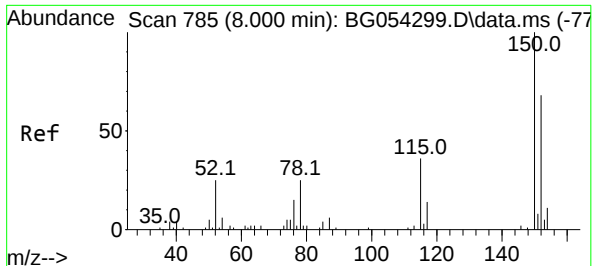
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Quant Time: Aug 06 05:39:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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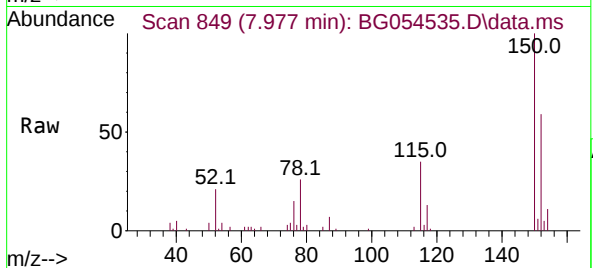
Reviewed By : Christian Giraldo 08/08/2022
Supervised By : Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

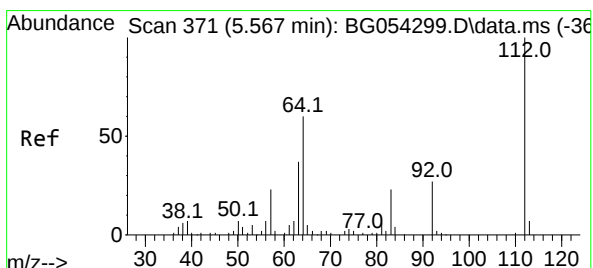
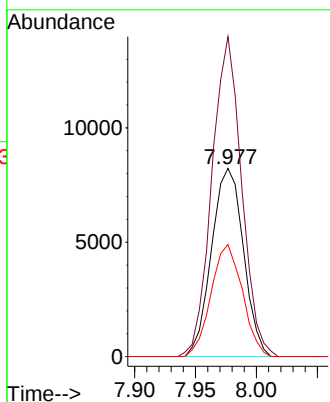
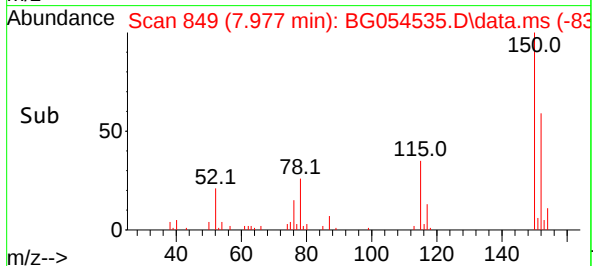
Instrument :
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RVE-123



Tgt Ion:152 Resp: 14996
Ion Ratio Lower Upper
152 100
150 170.0 131.6 197.4
115 59.6 50.9 76.3

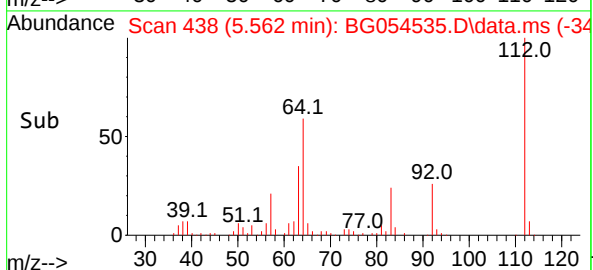
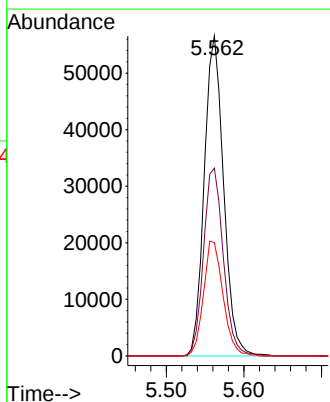
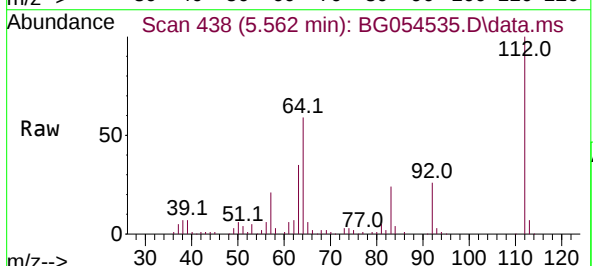
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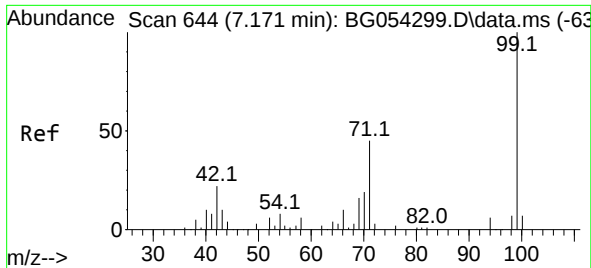
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 136.538 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

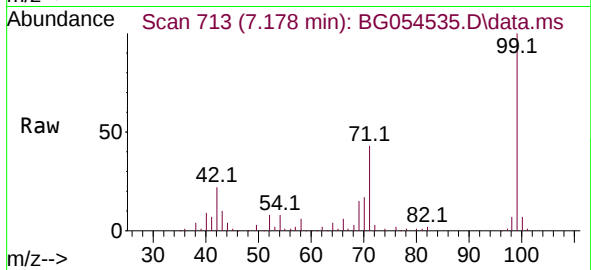
Tgt Ion:112 Resp: 98067
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.4 30.4 45.6





#7
Phenol-d6
Concen: 141.041 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

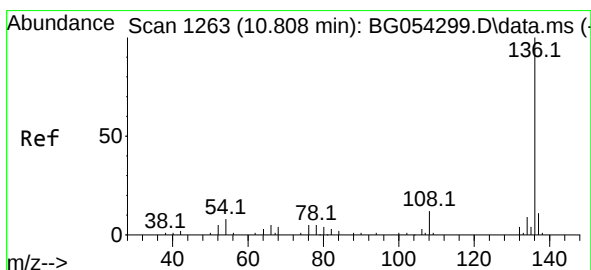
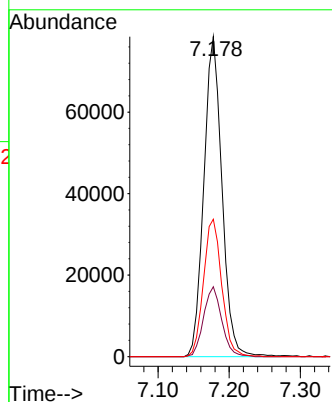
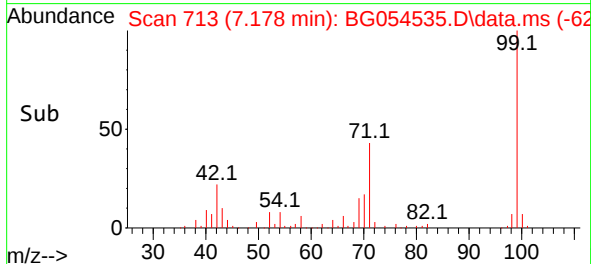
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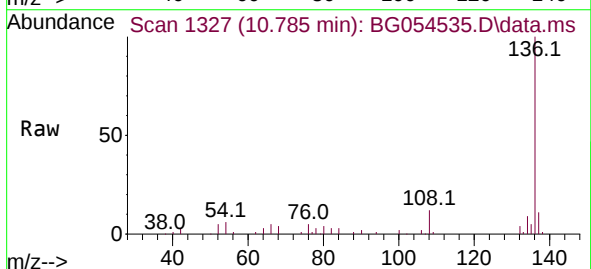
Tgt Ion: 99 Resp: 138808
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 42.9 33.8 50.8

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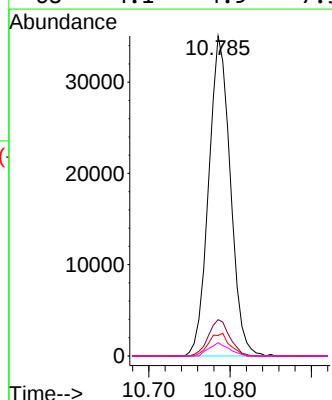
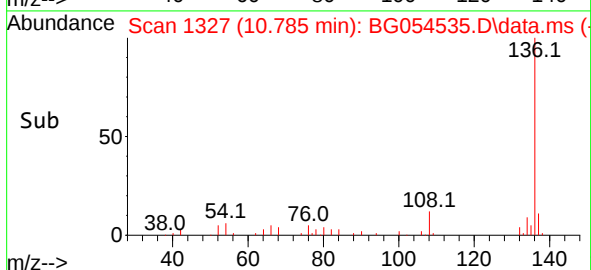
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

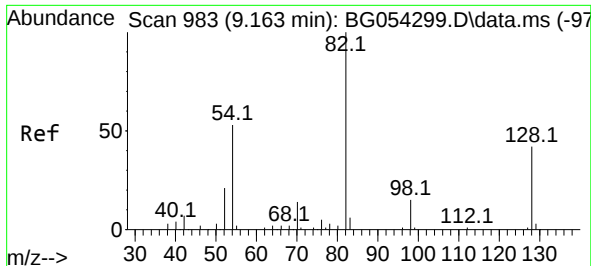


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43



Tgt Ion:136 Resp: 64896
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 6.4 7.4 11.2#
68 4.1 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 77.512 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

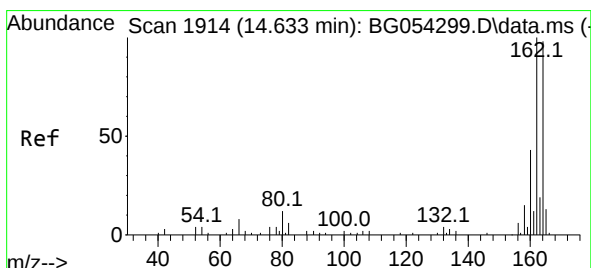
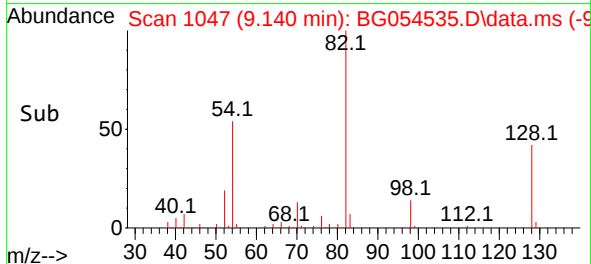
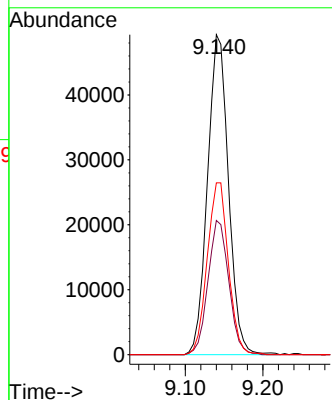
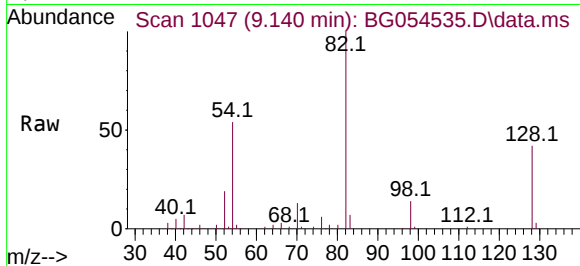
ClientSampleId :

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Tgt Ion: 82 Resp: 9237
Ion Ratio Lower Upper
82 100
128 42.0 27.9 41.9
54 53.7 41.2 61.8

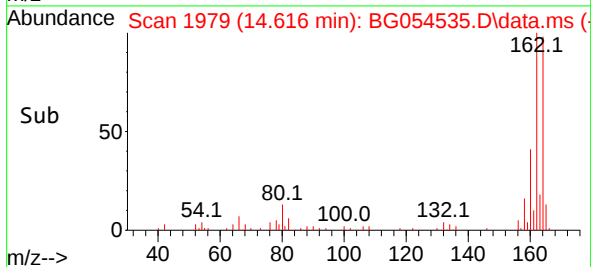
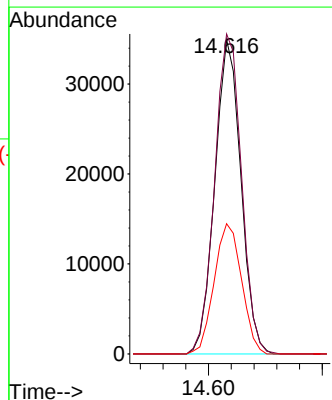
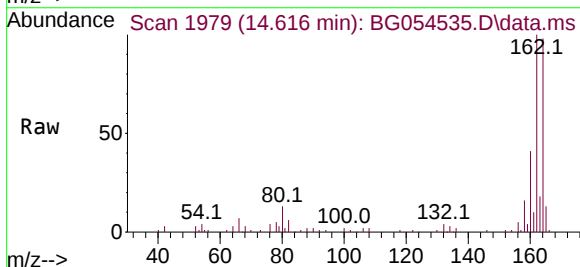
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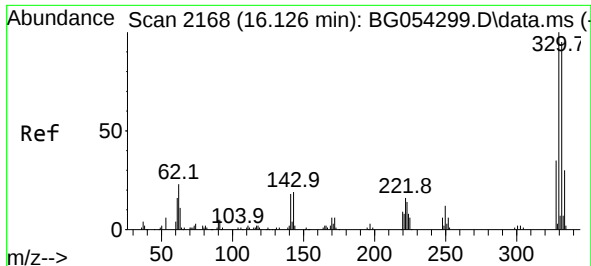
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:164 Resp: 55575
Ion Ratio Lower Upper
164 100
162 101.7 82.3 123.5
160 41.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 118.519 ng
RT: 16.114 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

ClientSampleId :

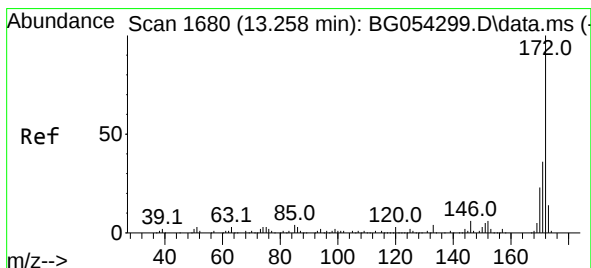
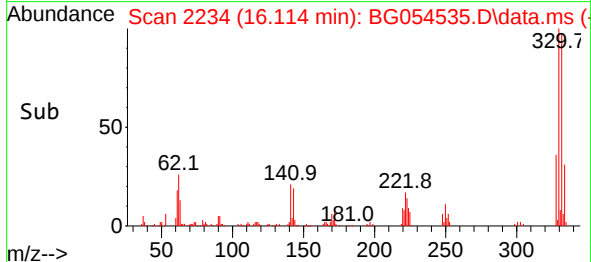
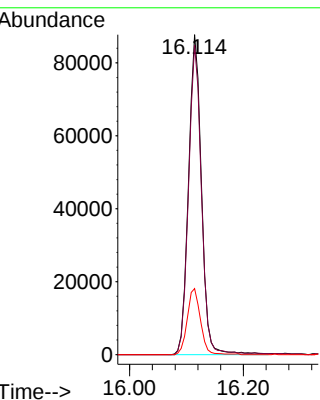
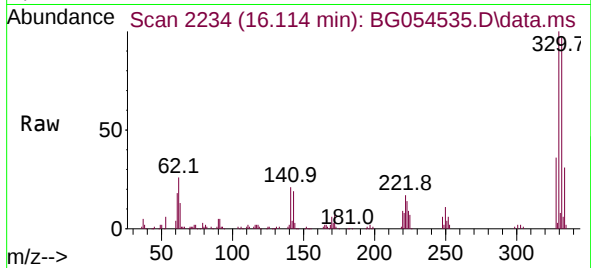
RVE-123

Tgt Ion:330 Resp: 138296
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.8 27.1 40.7

Manual Integrations

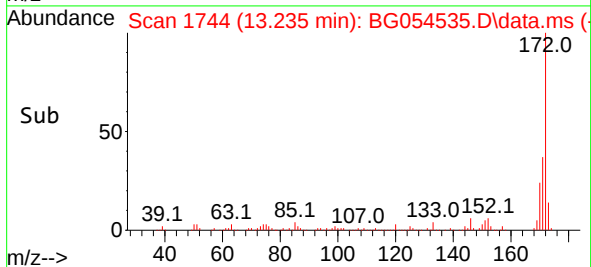
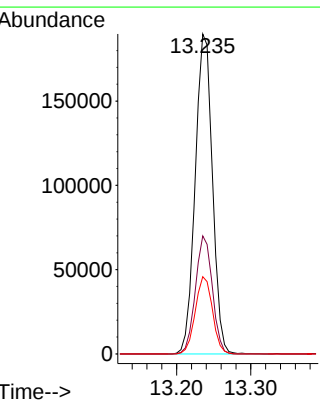
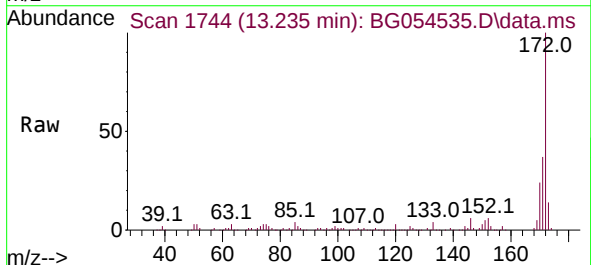
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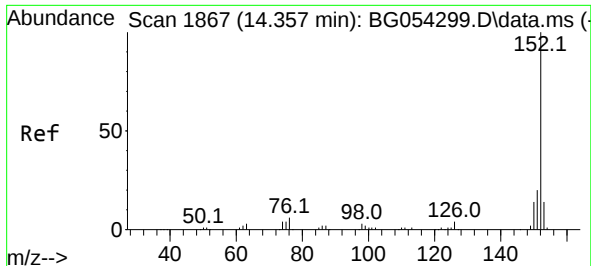
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#45
2-Fluorobiphenyl
Concen: 77.599 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

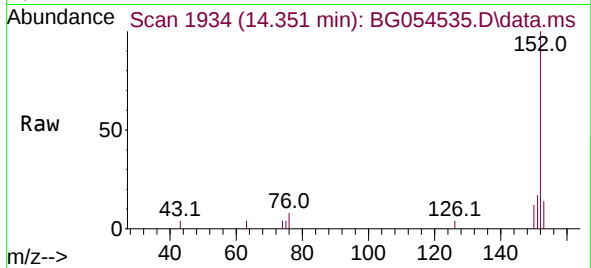
Tgt Ion:172 Resp: 305705
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.1 18.9 28.3





#49
Acenaphthylene
Concen: 2.558 ng
RT: 14.351 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

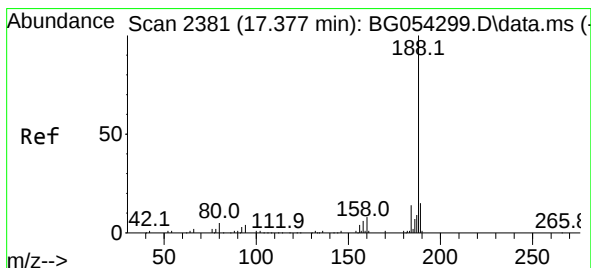
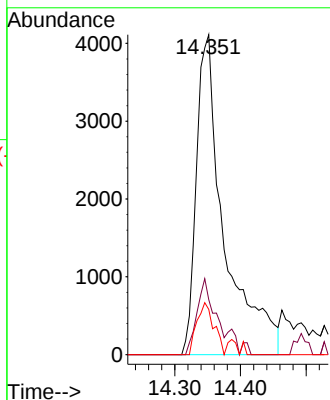
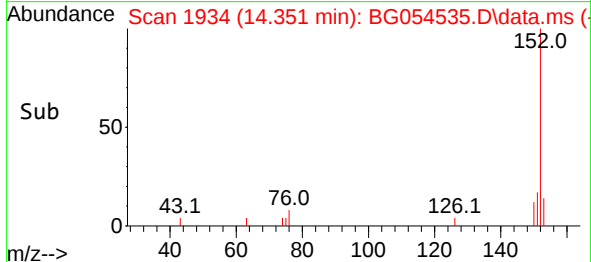
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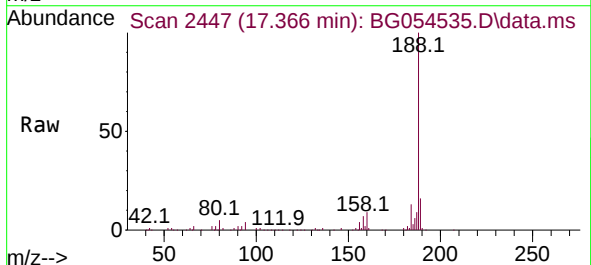
Tgt Ion:152 Resp: 12092
Ion Ratio Lower Upper
152 100
151 17.2 16.4 24.6
153 14.2 10.8 16.2

Manual Integrations
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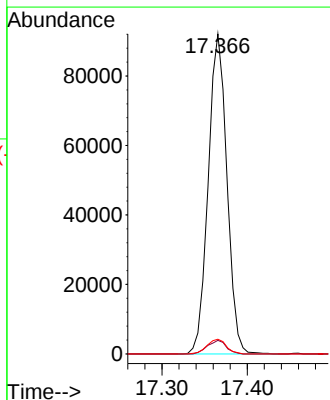
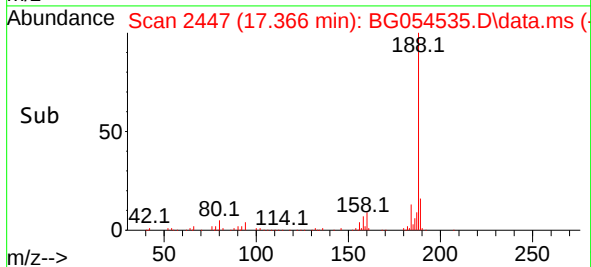
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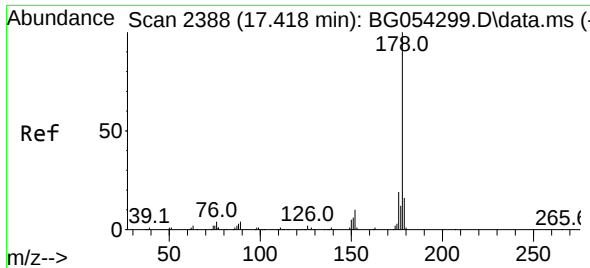


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43



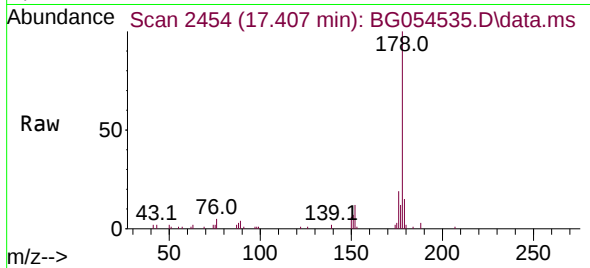
Tgt Ion:188 Resp: 140189
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.6 6.8 10.2#





#71
Phenanthrene
Concen: 3.076 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

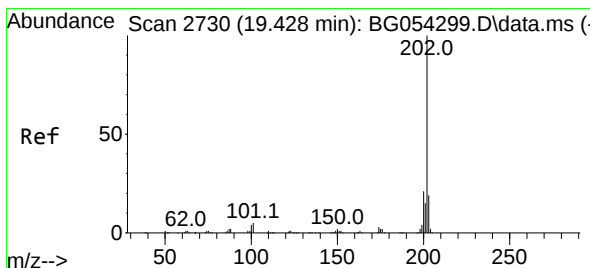
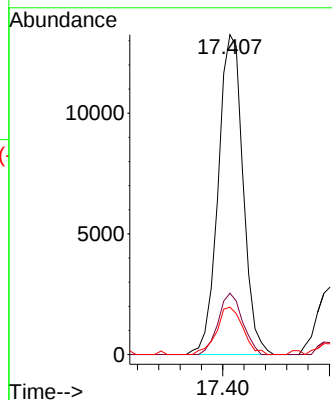
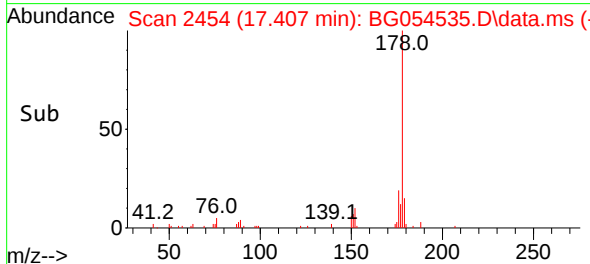
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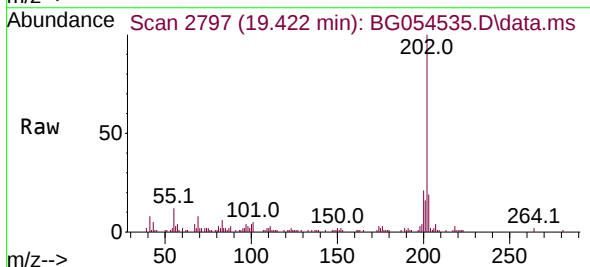
Tgt Ion:178 Resp: 21477
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 14.8 12.1 18.1

Manual Integrations
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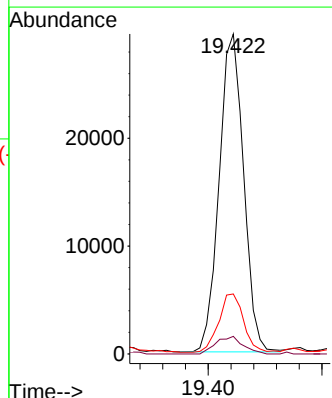
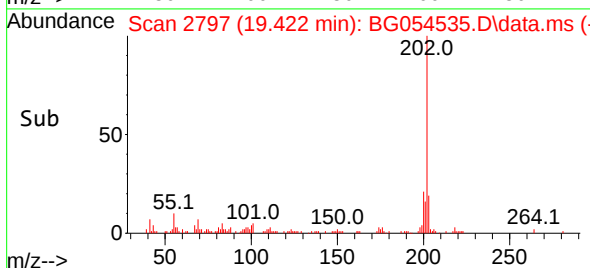
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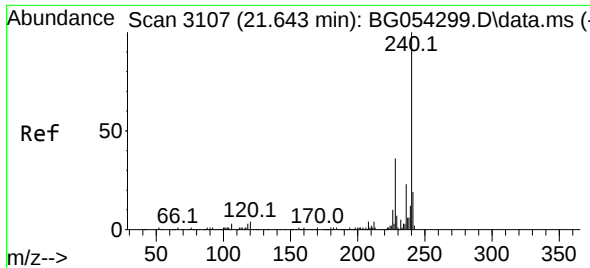


#75
Fluoranthene
Concen: 4.616 ng
RT: 19.422 min Scan# 2797
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43



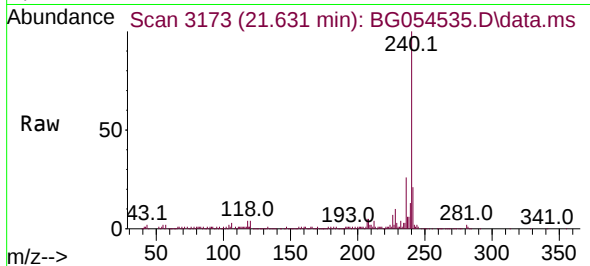
Tgt Ion:202 Resp: 43926
Ion Ratio Lower Upper
202 100
101 5.5 0.0 26.9
203 18.7 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

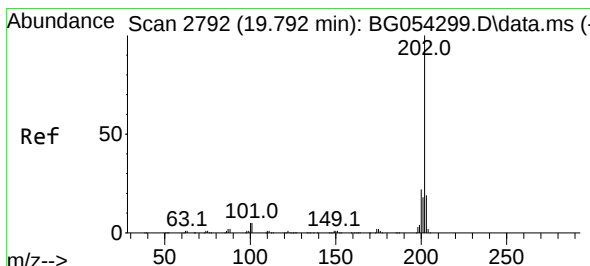
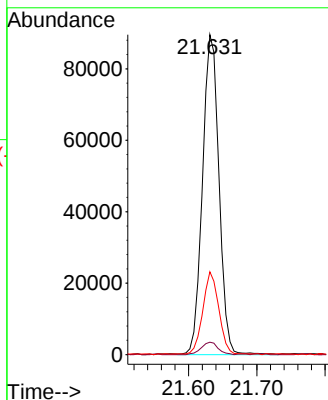
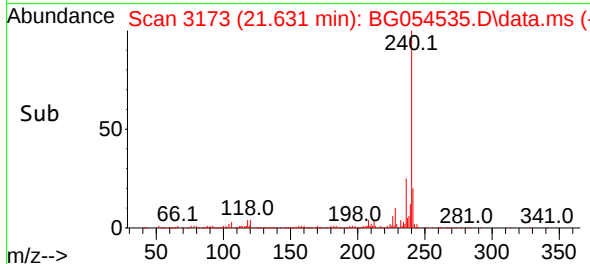
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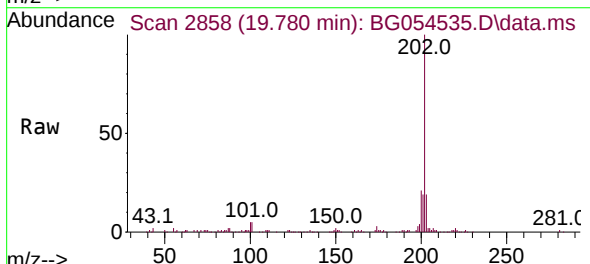
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Ion Ratio Lower Upper
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120 3.9 4.6 7.0
236 25.9 20.2 30.4

Manual Integrations
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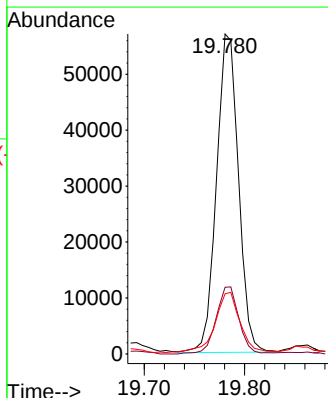
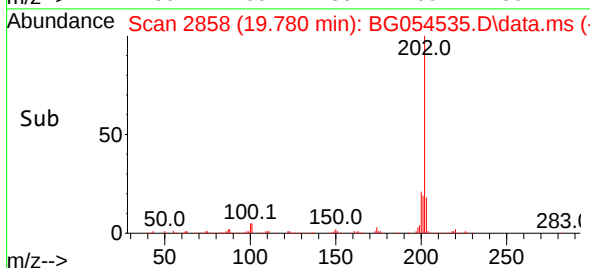
Reviewed By :Christian Giraldo 08/08/2022
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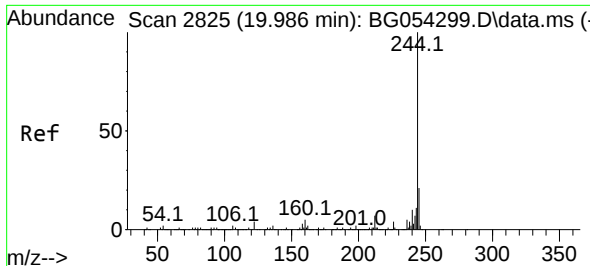


#78
Pyrene
Concen: 10.048 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43



Tgt Ion:202 Resp: 86885
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.8 14.6 21.8





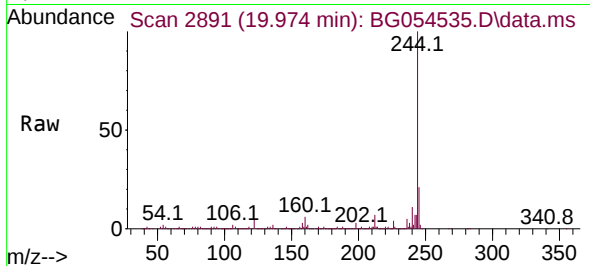
#79
 Terphenyl-d14
 Concen: 84.083 ng
 RT: 19.974 min Scan# 2825
 Delta R.T. -0.006 min
 Lab File: BG054535.D
 Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

ClientSampleId :

RVE-123

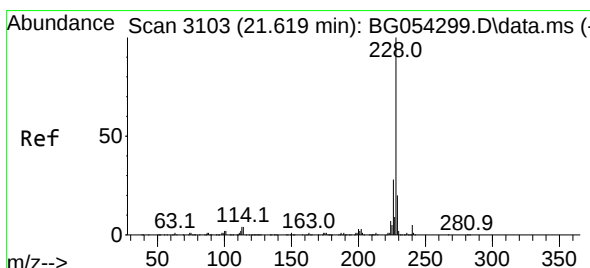
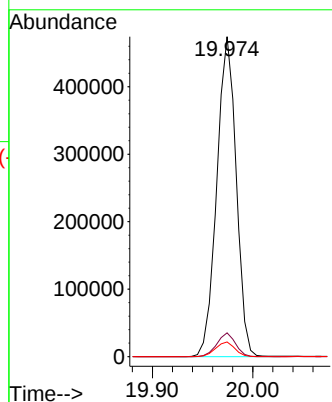
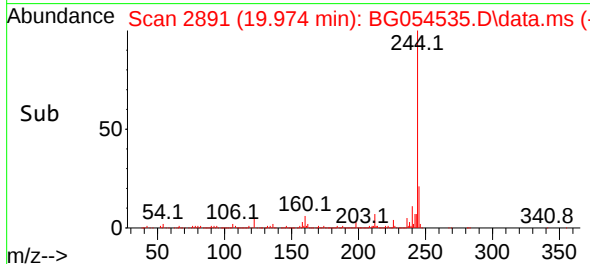


Tgt Ion:244 Resp: 638729
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.6 5.0 7.4

Manual Integrations

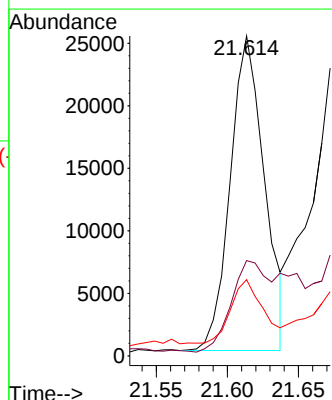
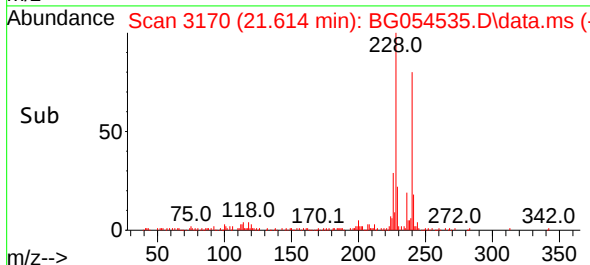
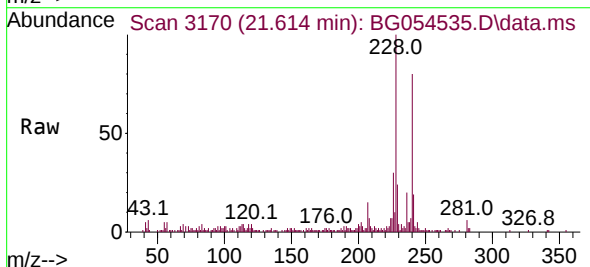
APPROVED

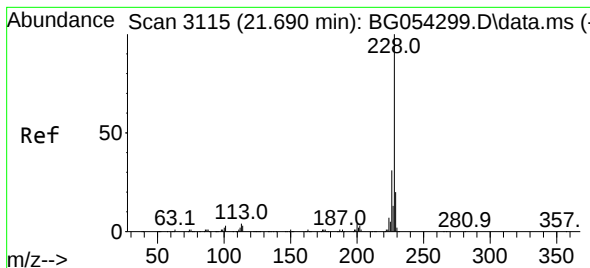
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022



#81
 Benzo(a)anthracene
 Concen: 4.400 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.000 min
 Lab File: BG054535.D
 Acq: 5 Aug 2022 14:43

Tgt Ion:228 Resp: 42091
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 23.8 16.2 24.2





#83

Chrysene

Concen: 5.942 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054535.D

Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

ClientSampleId :

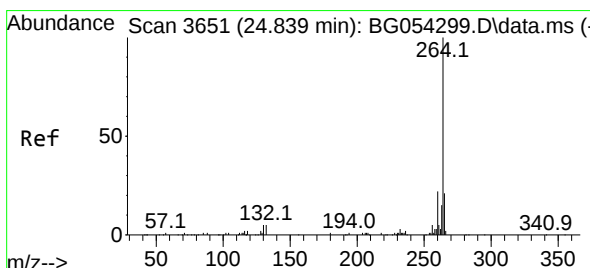
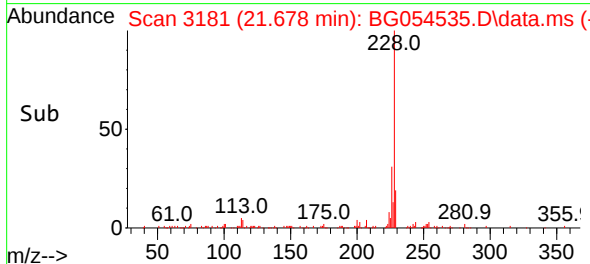
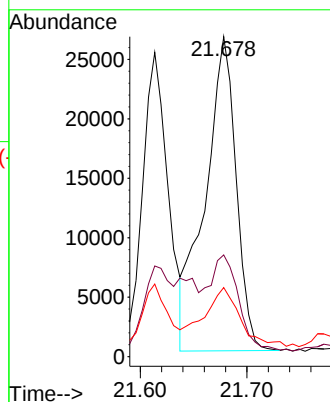
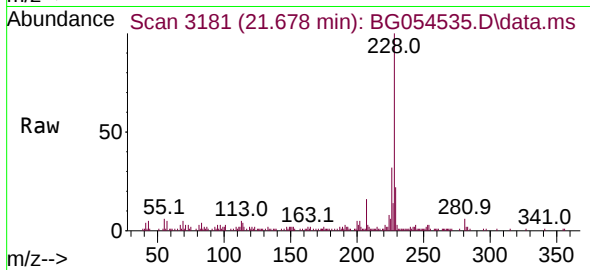
RVE-123

Tgt Ion:228	Resp: 5370
Ion Ratio	Lower Upper
228 100	
226 31.8	23.4 35.2
229 21.6	15.5 23.3

Manual Integrations

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Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#86

Perylene-d12

Concen: 20.000 ng

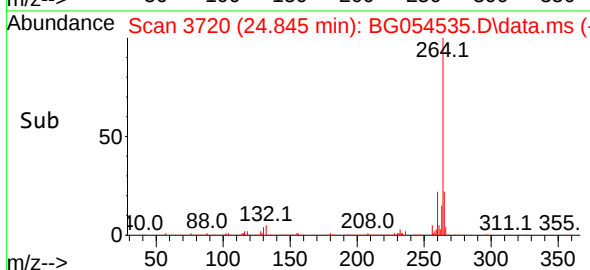
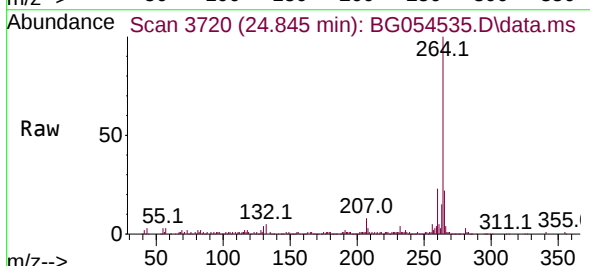
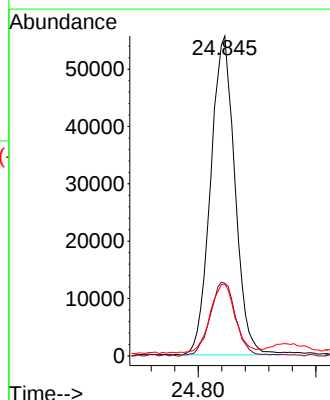
RT: 24.845 min Scan# 3720

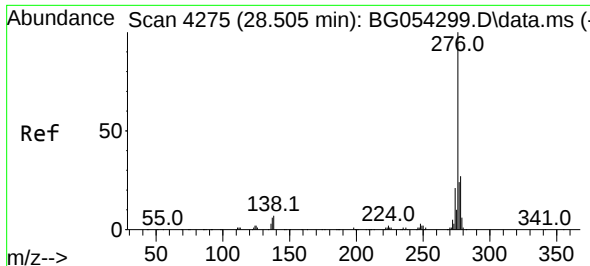
Delta R.T. 0.012 min

Lab File: BG054535.D

Acq: 5 Aug 2022 14:43

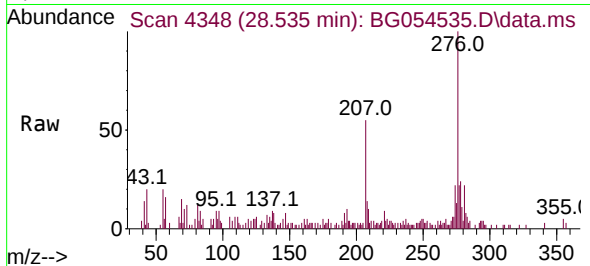
Tgt Ion:264	Resp: 159118
Ion Ratio	Lower Upper
264 100	
260 22.7	19.0 28.6
265 22.5	17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.607 ng
RT: 28.535 min Scan# 4348
Delta R.T. 0.018 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

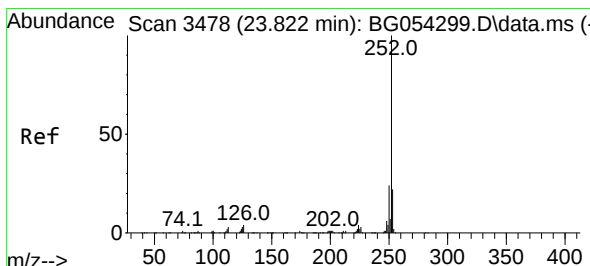
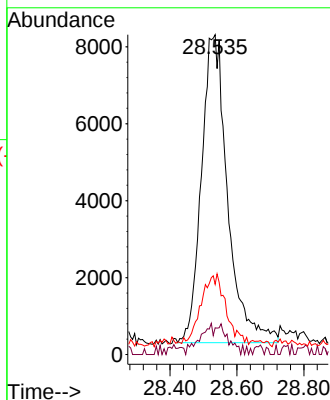
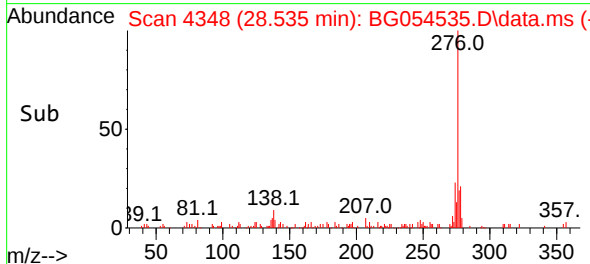
Instrument :
BNA_G
ClientSampleId :
RVE-123



Tgt Ion:276 Resp: 43652
Ion Ratio Lower Upper
276 100
138 5.1 5.0 7.4
277 22.0 20.3 30.5

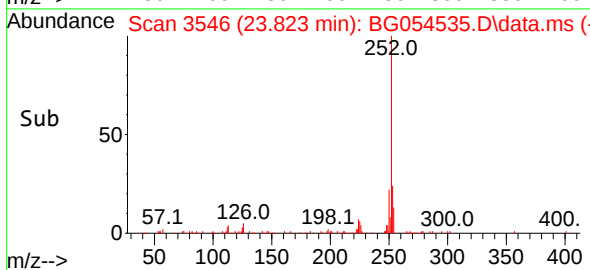
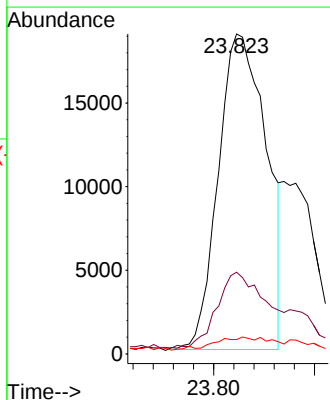
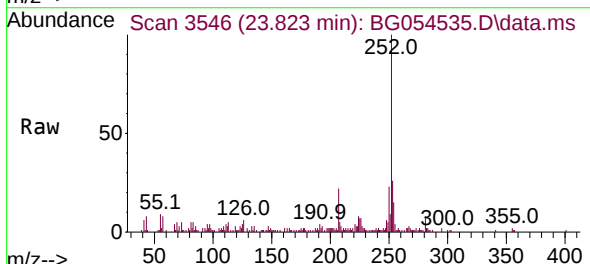
Manual Integrations
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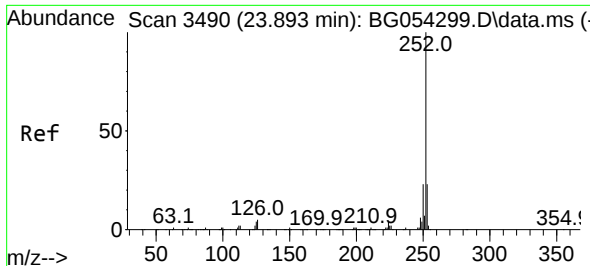
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#88
Benzo(b)fluoranthene
Concen: 6.637 ng m
RT: 23.823 min Scan# 3546
Delta R.T. -0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:252 Resp: 62456
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 4.5 4.6 6.8#





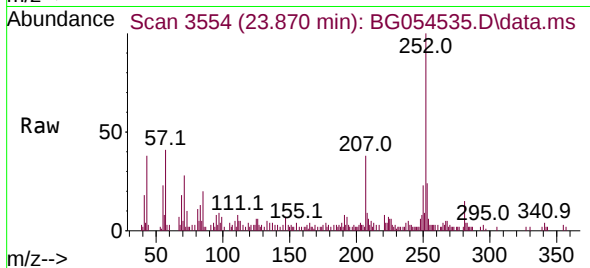
#89
Benzo(k)fluoranthene
Concen: 2.461 ng m
RT: 23.870 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

ClientSampleId :

RVE-123

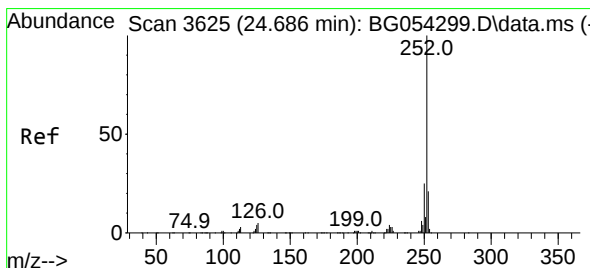
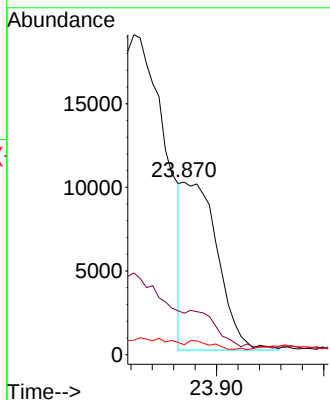
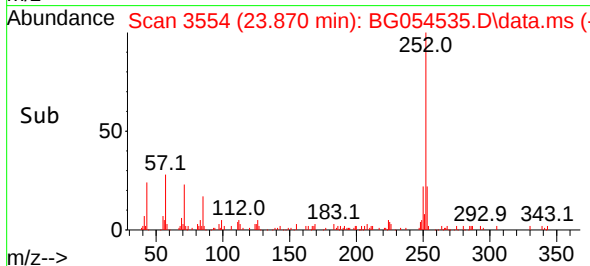


Tgt Ion:252 Resp: 23044
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 5.7 4.8 7.2

Manual Integrations

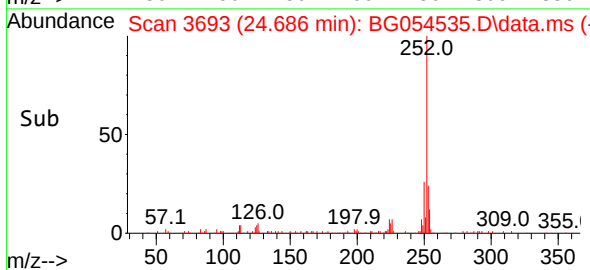
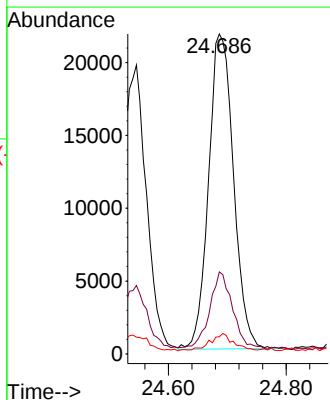
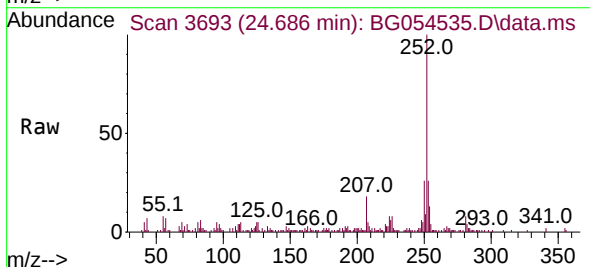
APPROVED

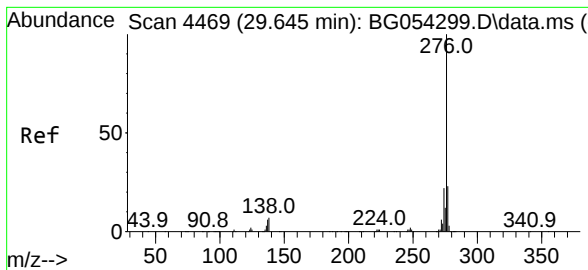
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#90
Benzo(a)pyrene
Concen: 7.936 ng
RT: 24.686 min Scan# 3693
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

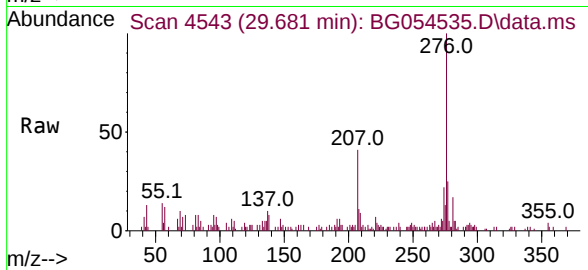
Tgt Ion:252 Resp: 63772
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 5.4 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.092 ng
 RT: 29.681 min Scan# 4543
 Delta R.T. 0.018 min
 Lab File: BG054535.D
 Acq: 5 Aug 2022 14:43

Instrument :
 BNA_G
 ClientSampleId :
 RVE-123



Tgt Ion:	276	Resp:	59846
Ion Ratio	100	Lower	Upper
276	100		
277	25.5	17.3	25.9
138	8.0	9.6	14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

