

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054920.D
 Acq On : 13 Sep 2022 00:32
 Operator : CG/JU
 Sample : N4573-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11998

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

Quant Time: Sep 13 03:11:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.147	152	48735	20.000	ng	0.00	
21) Naphthalene-d8	10.974	136	191334	20.000	ng	0.00	
39) Acenaphthene-d10	14.781	164	119995	20.000	ng	0.00	
64) Phenanthrene-d10	17.531	188	240471	20.000	ng	0.00	
76) Chrysene-d12	21.826	240	225601	20.000	ng	0.00	
86) Perylene-d12	25.216	264	228929	20.000	ng	0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.691	112	258055	92.206	ng	0.00	
7) Phenol-d6	7.307	99	337245	88.113	ng	0.00	
23) Nitrobenzene-d5	9.323	82	199908	54.849	ng	0.00	
42) 2,4,6-Tribromophenol	16.273	330	139936	93.327	ng	0.00	
45) 2-Fluorobiphenyl	13.400	172	498780	62.475	ng	0.00	
79) Terphenyl-d14	20.128	244	645471	56.690	ng	0.00	
Target Compounds							
49) Acenaphthylene	14.511	152	24799	2.221	ng		Qvalue 95
71) Phenanthrene	17.572	178	163857	12.791	ng		98
75) Fluoranthene	19.581	202	294551	18.902	ng		97
78) Pyrene	19.940	202	310951	19.767	ng		99
81) Benzo(a)anthracene	21.808	228	130686	8.544	ng		97
83) Chrysene	21.873	228	176425m	12.063	ng		
87) Indeno(1,2,3-cd)pyrene	29.129	276	63523	3.655	ng		97
88) Benzo(b)fluoranthene	24.135	252	180599	12.576	ng	#	89
89) Benzo(k)fluoranthene	24.193	252	63962m	4.426	ng		
90) Benzo(a)pyrene	25.057	252	134597	10.970	ng	#	96
92) Benzo(g,h,i)perylene	30.351	276	62307	4.356	ng	#	92

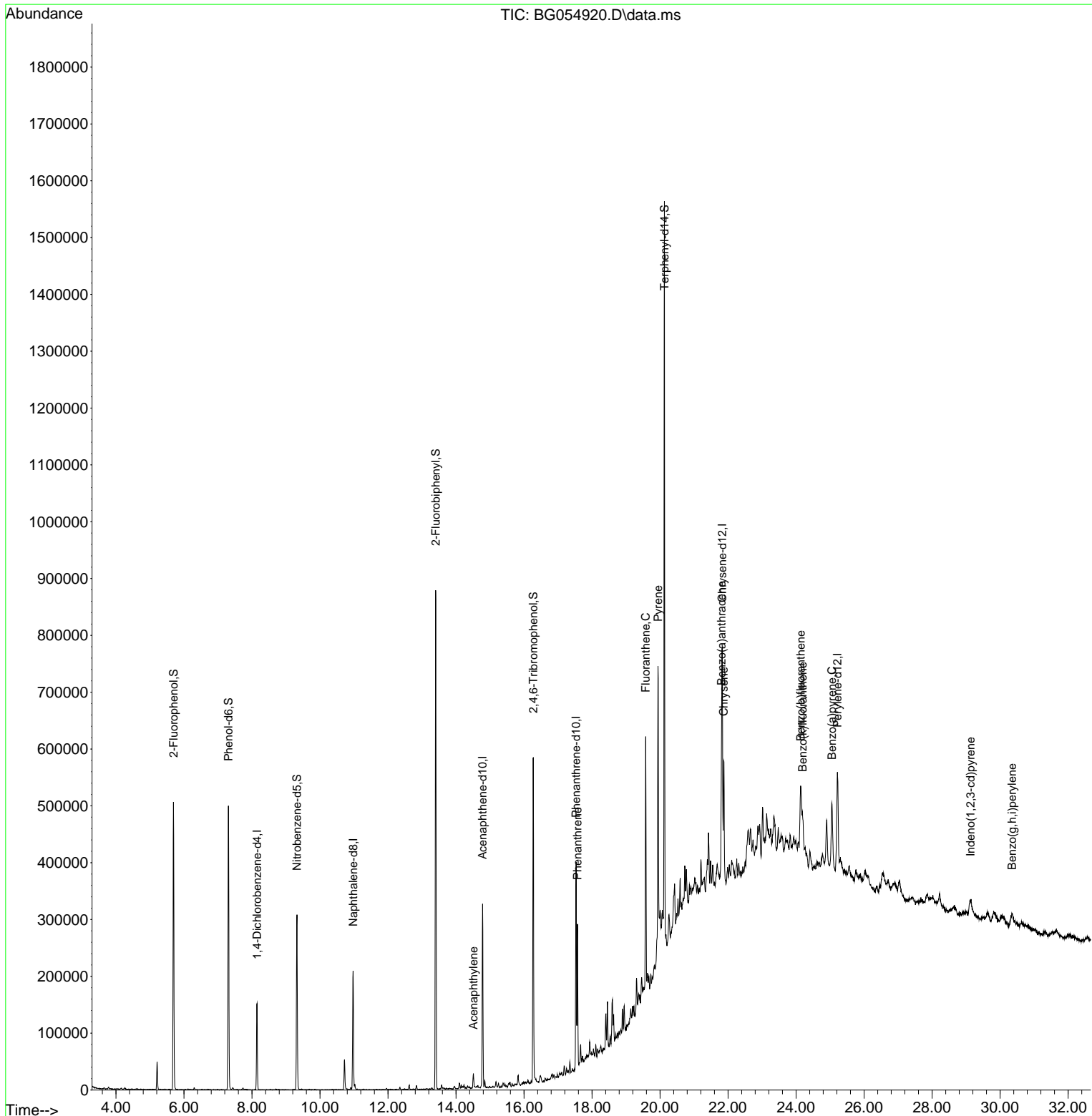
(#) = qualifier out of range (m) = manual integration (+) = signals summed

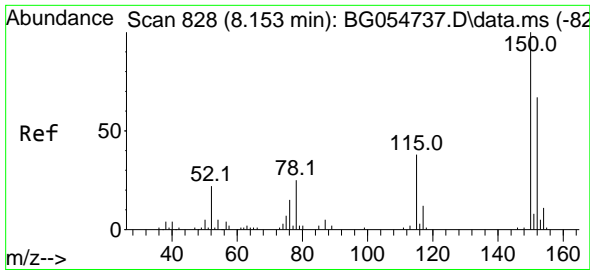
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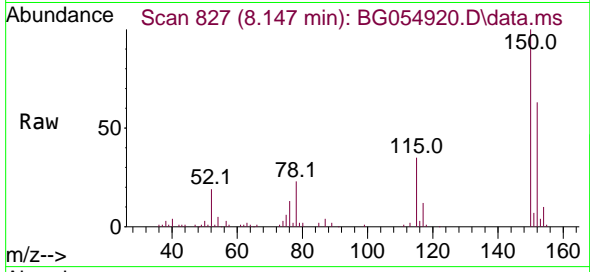
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.147 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampled :

72-11998

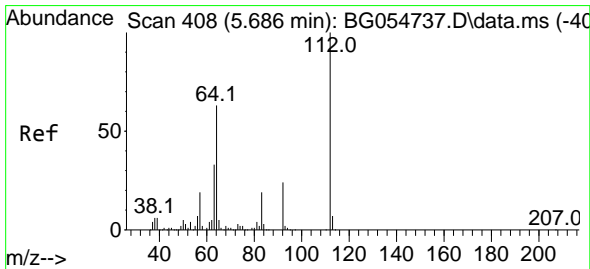
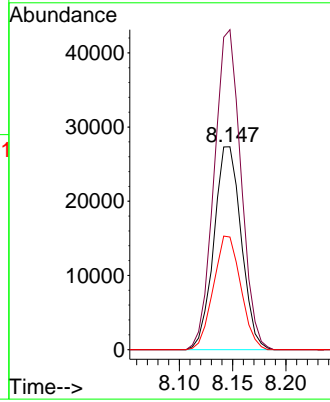
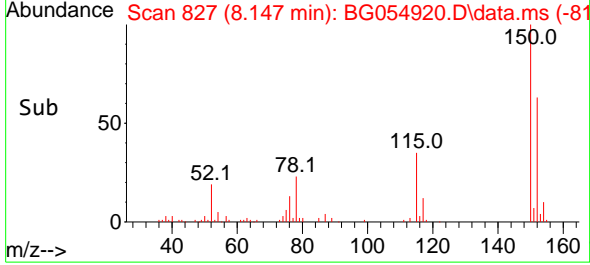


Tgt Ion:152 Resp: 48735
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.2 187.8
 115 55.5 47.9 71.9

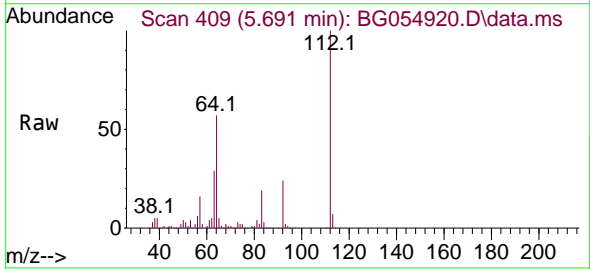
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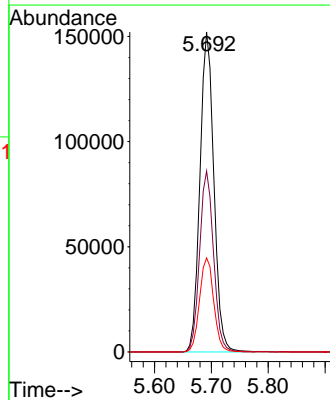
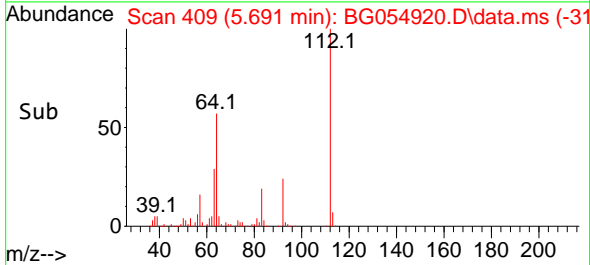
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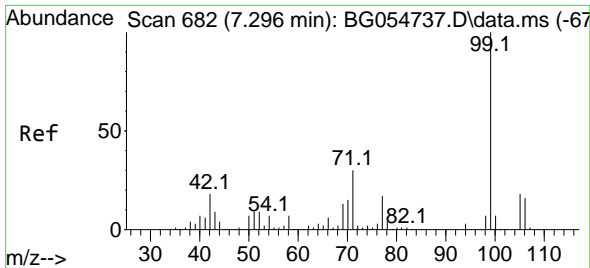


#5
 2-Fluorophenol
 Concen: 92.206 ng
 RT: 5.691 min Scan# 409
 Delta R.T. 0.007 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



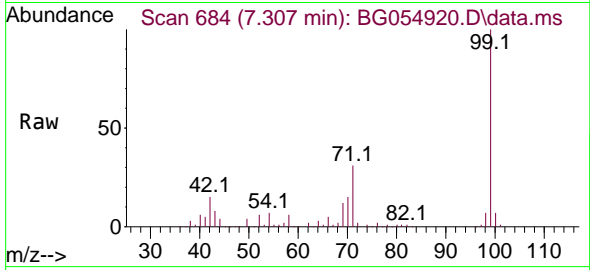
Tgt Ion:112 Resp: 258055
 Ion Ratio Lower Upper
 112 100
 64 56.5 49.3 73.9
 63 29.4 26.3 39.5





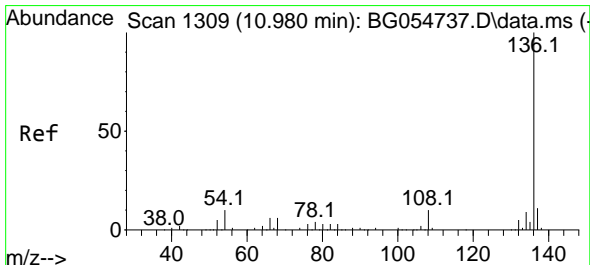
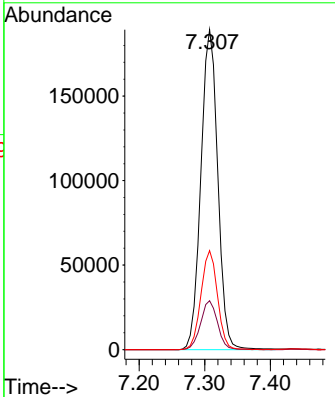
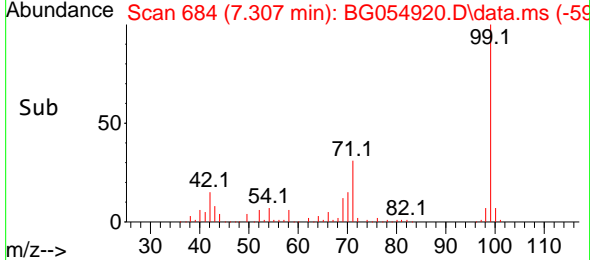
#7
 Phenol-d6
 Concen: 88.113 ng
 RT: 7.307 min Scan# 682
 Delta R.T. 0.007 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument : BNA_G
 Client SampleId : 72-11998

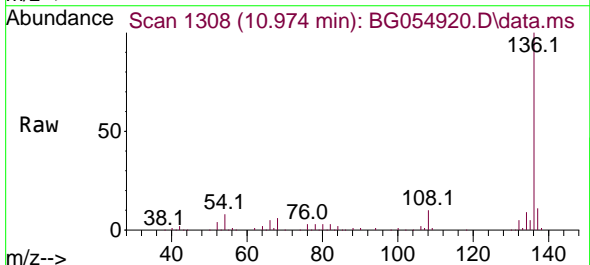


Tgt Ion: 99 Resp: 337245
 Ion Ratio Lower Upper
 99 100
 42 15.3 14.6 22.0
 71 30.9 24.6 37.0

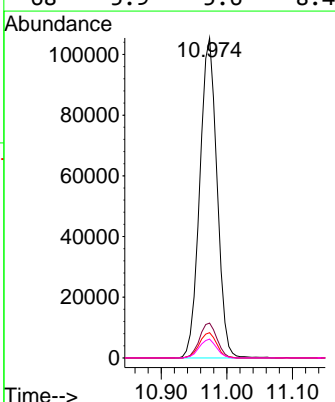
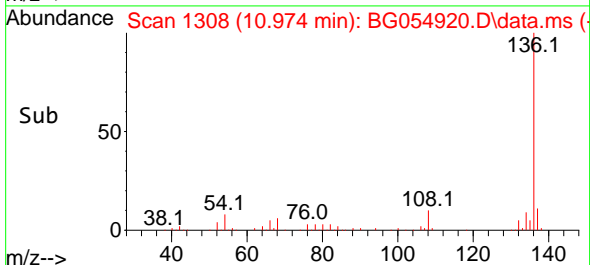
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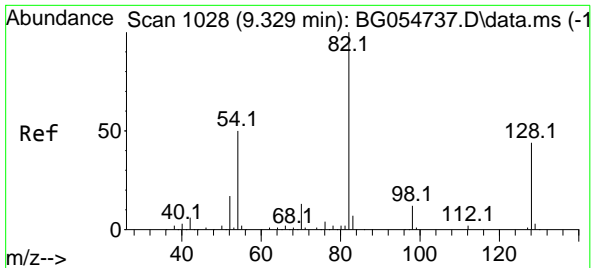


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.974 min Scan# 1308
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



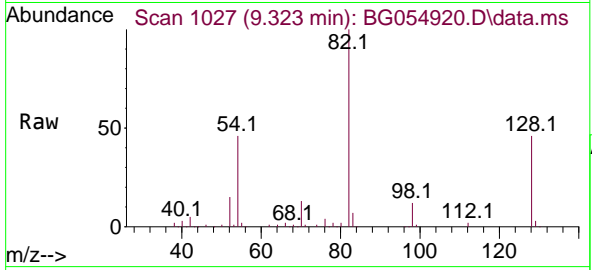
Tgt Ion:136 Resp: 191334
 Ion Ratio Lower Upper
 136 100
 137 10.9 9.2 13.8
 54 7.9 7.7 11.5
 68 5.9 5.6 8.4





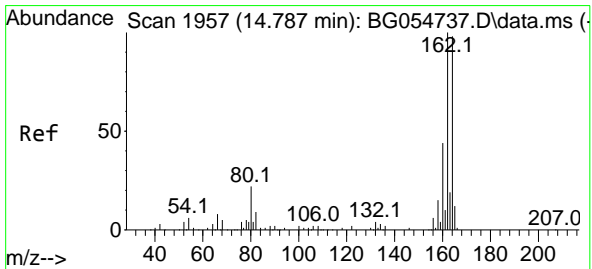
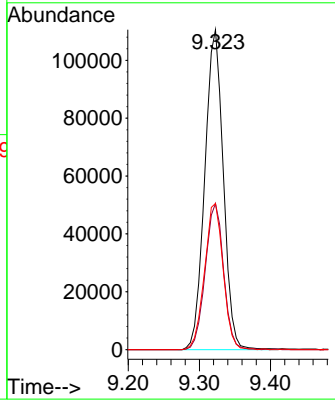
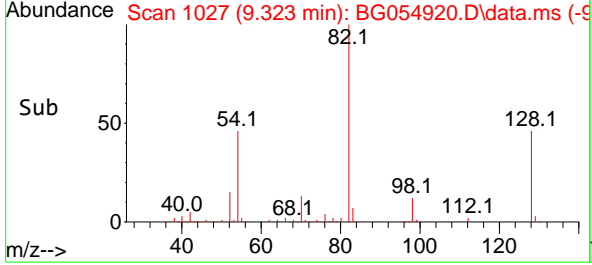
#23
 Nitrobenzene-d5
 Concen: 54.849 ng
 RT: 9.323 min Scan# 1027
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :
 BNA_G
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 72-11998

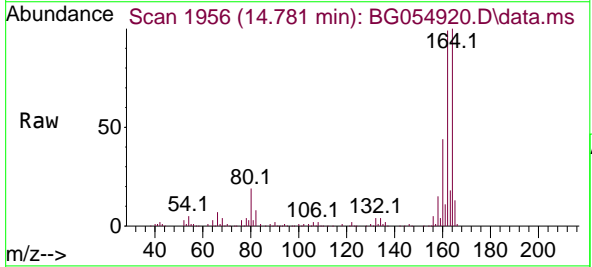


Tgt Ion: 82 Resp: 199908
 Ion Ratio Lower Upper
 82 100
 128 45.7 32.2 48.2
 54 45.7 41.4 62.0

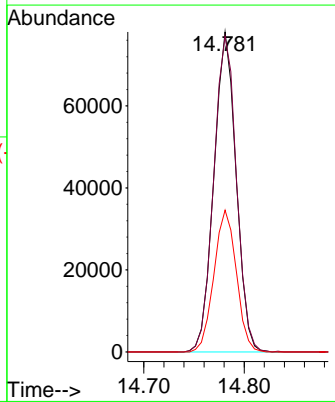
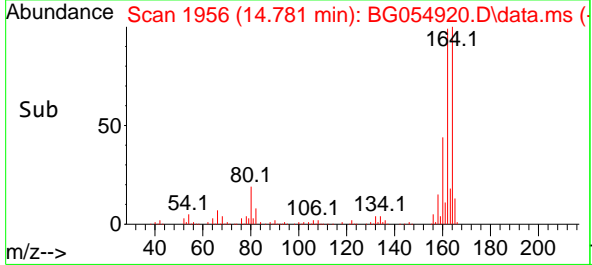
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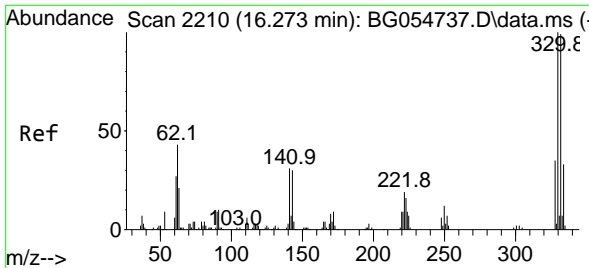


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.781 min Scan# 1956
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion:164 Resp: 119995
 Ion Ratio Lower Upper
 164 100
 162 98.6 83.0 124.4
 160 44.3 38.0 57.0





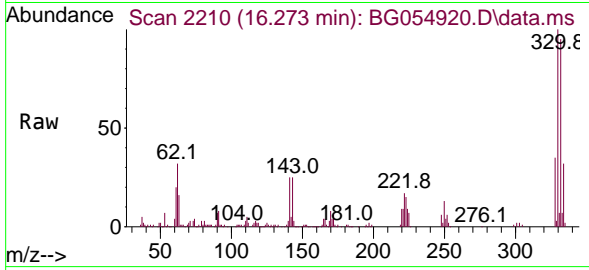
#42
 2,4,6-Tribromophenol
 Concen: 93.327 ng
 RT: 16.273 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

Client Sampled :

72-11998

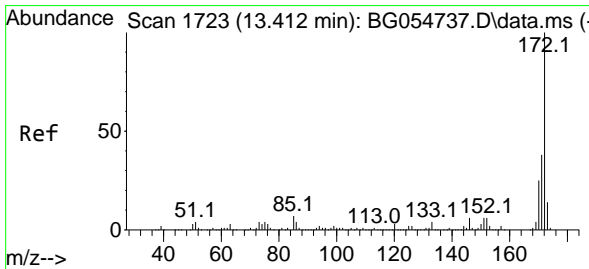
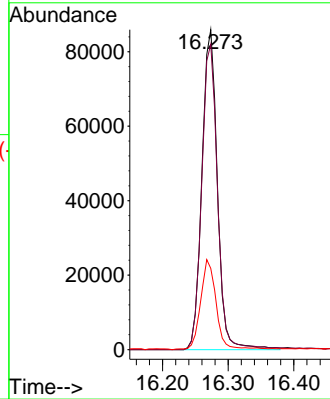
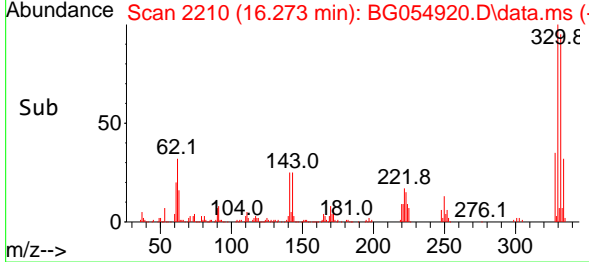


Tgt Ion:330 Resp: 139936
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.8 119.6
 141 28.5 26.8 40.2

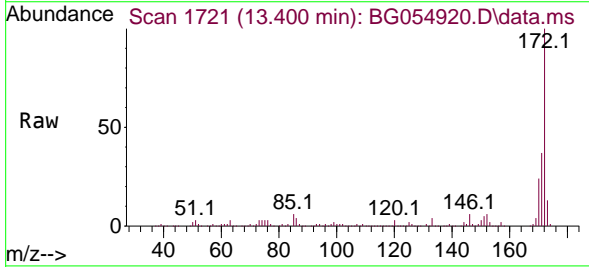
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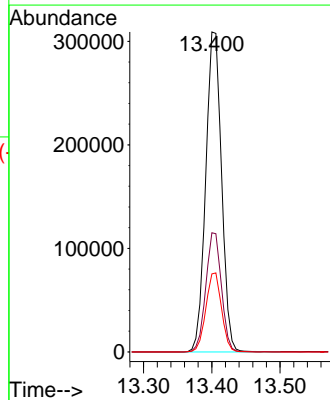
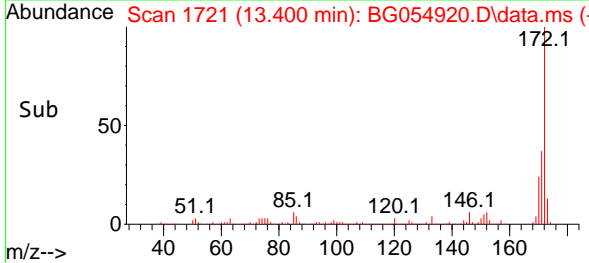
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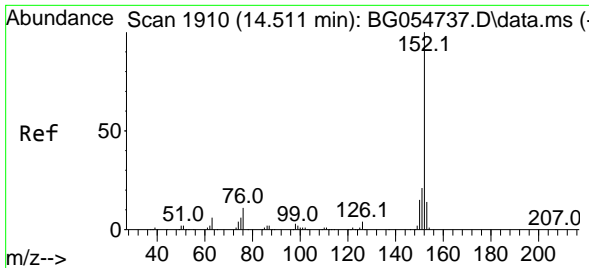


#45
 2-Fluorobiphenyl
 Concen: 62.475 ng
 RT: 13.400 min Scan# 1721
 Delta R.T. -0.005 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion:172 Resp: 498780
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.2 46.8
 170 24.4 20.6 30.8





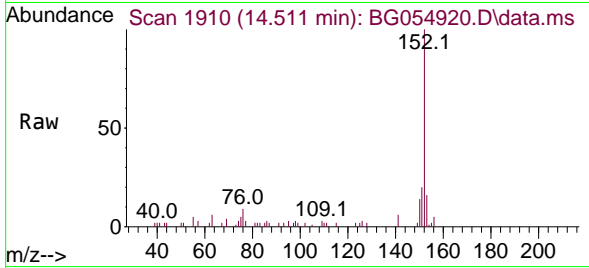
#49
 Acenaphthylene
 Concen: 2.221 ng
 RT: 14.511 min Scan# 1910
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

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72-11998

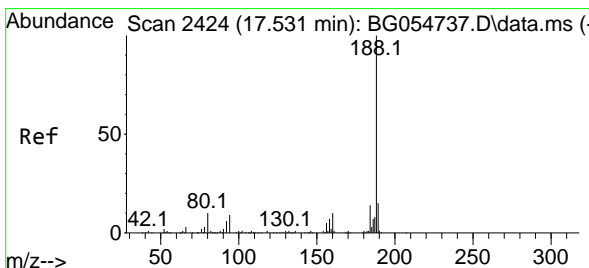
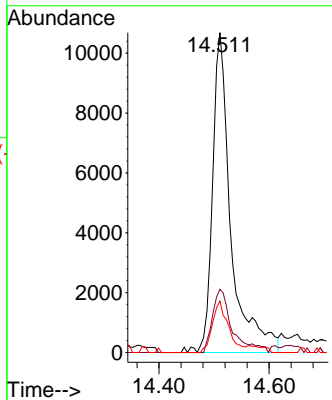
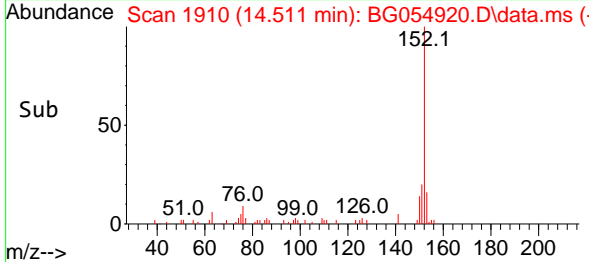


Tgt Ion:152 Resp: 24799
 Ion Ratio Lower Upper
 152 100
 151 19.8 17.3 25.9
 153 16.1 10.8 16.2

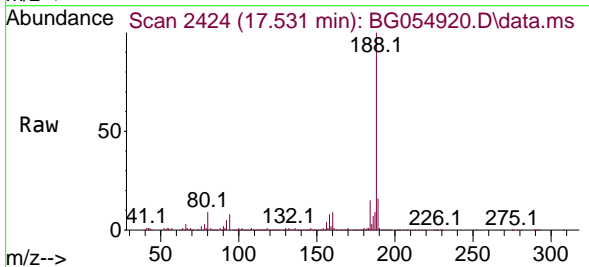
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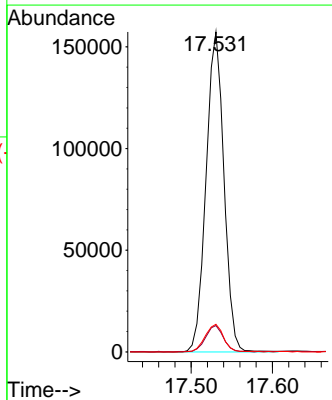
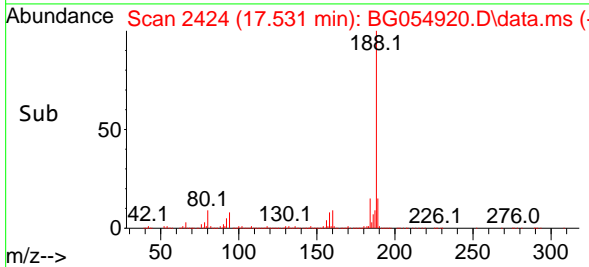
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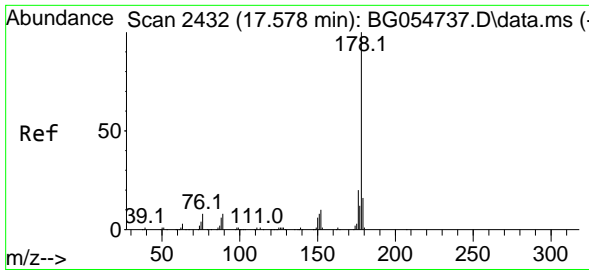


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.531 min Scan# 2424
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



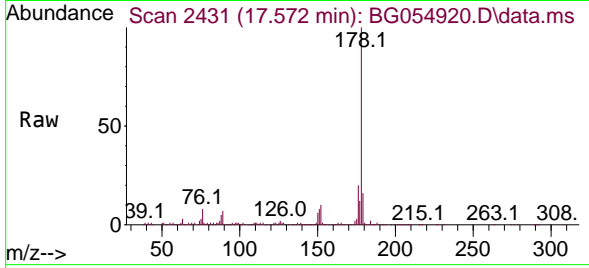
Tgt Ion:188 Resp: 240471
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.0 10.4
 80 8.6 7.9 11.9





#71
 Phenanthrene
 Concen: 12.791 ng
 RT: 17.572 min Scan# 2431
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

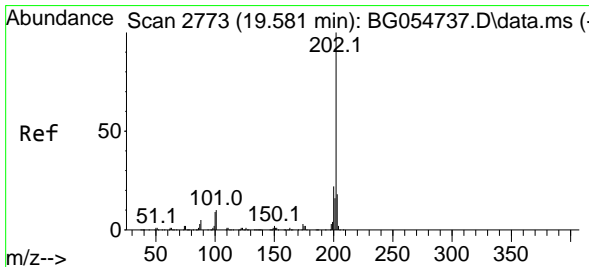
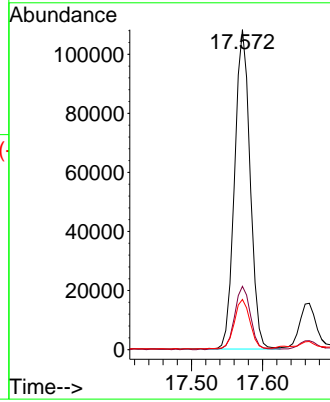
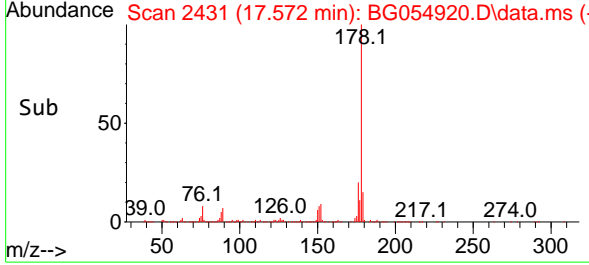
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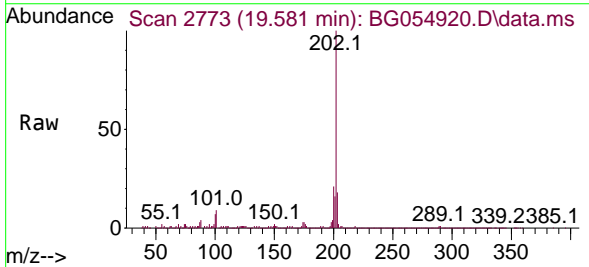
Tgt Ion:178 Resp: 16385
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 25.0
 179 15.7 12.8 19.2

Manual Integrations
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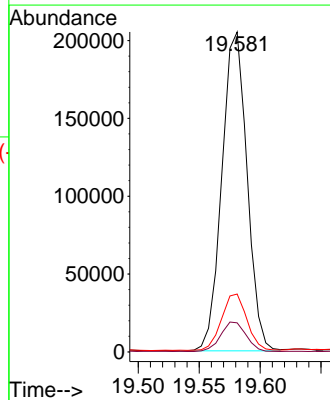
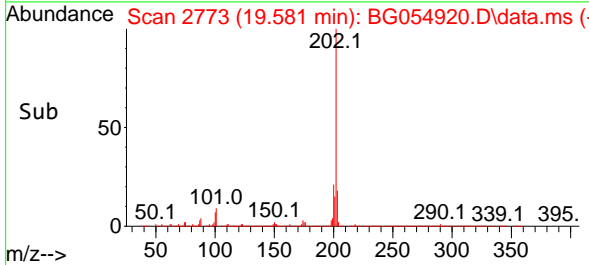
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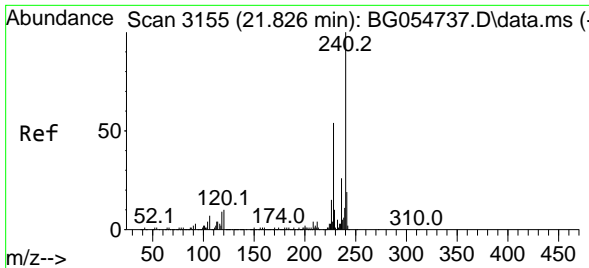


#75
 Fluoranthene
 Concen: 18.902 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion:202 Resp: 294551
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.4
 203 18.1 0.0 38.6





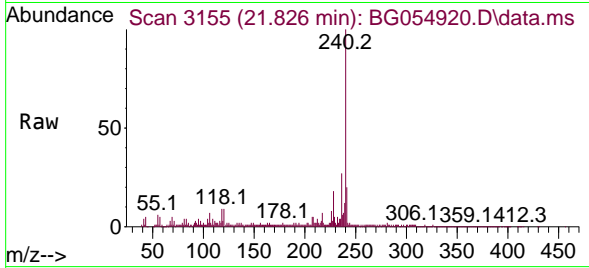
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.826 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

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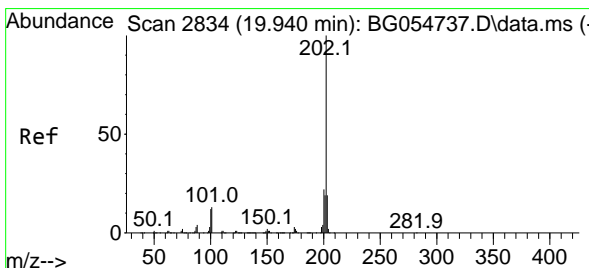
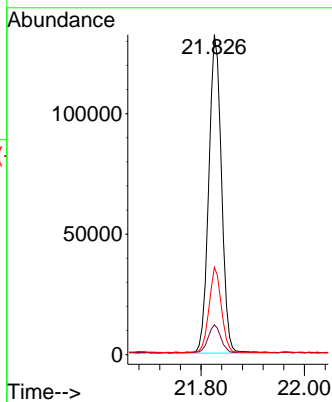
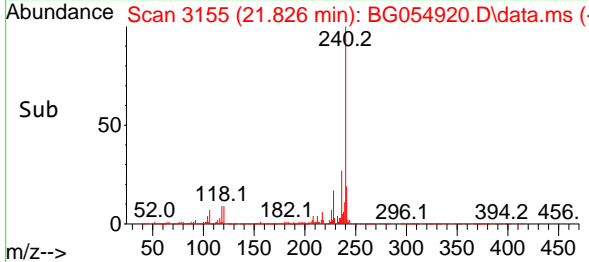


Tgt Ion:240 Resp: 22560
 Ion Ratio Lower Upper
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 236 27.3 21.2 31.8

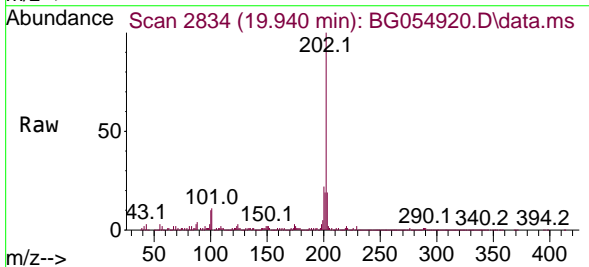
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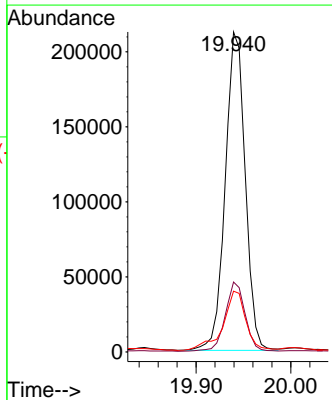
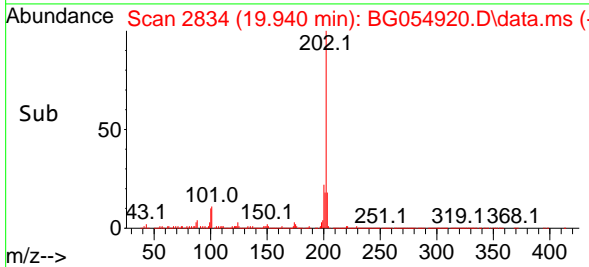
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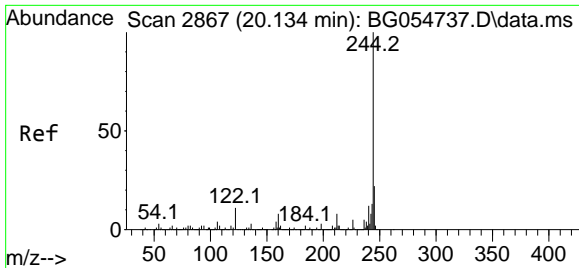


#78
 Pyrene
 Concen: 19.767 ng
 RT: 19.940 min Scan# 2834
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



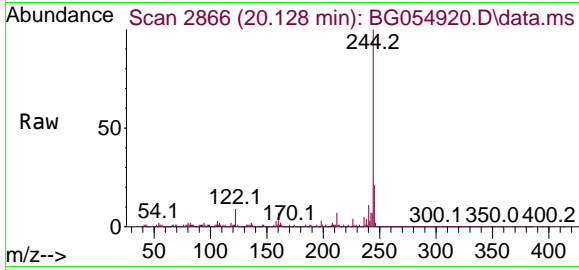
Tgt Ion:202 Resp: 310951
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.8 26.6
 203 19.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 56.690 ng
 RT: 20.128 min Scan# 2866
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

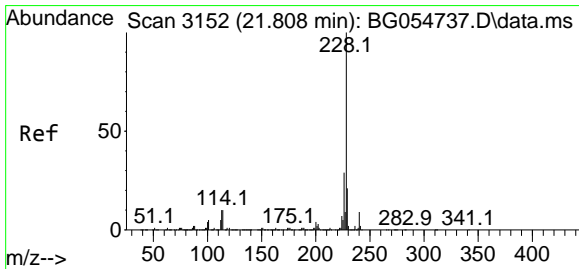
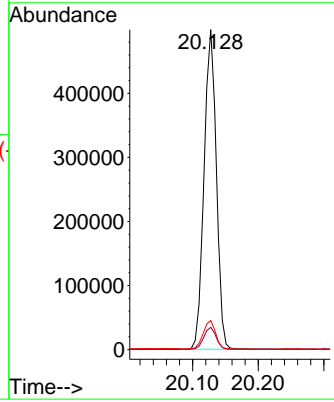
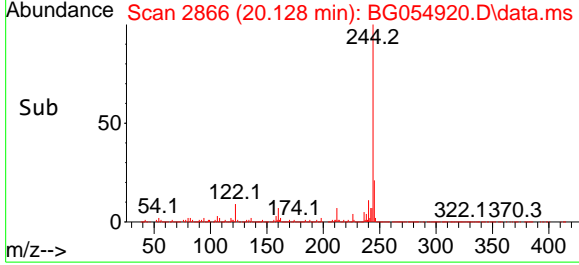
Instrument : BNA_G
 Client Sample Id : 72-11998



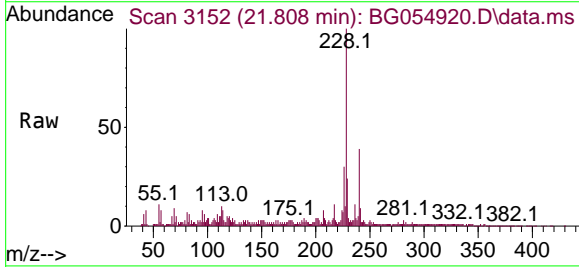
Tgt Ion: 244 Resp: 64547

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.2
122	9.1	9.0	13.6

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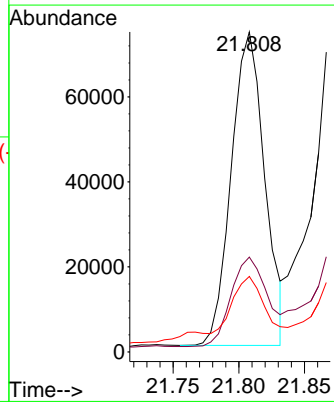
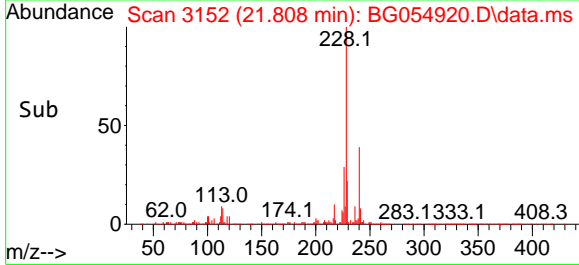


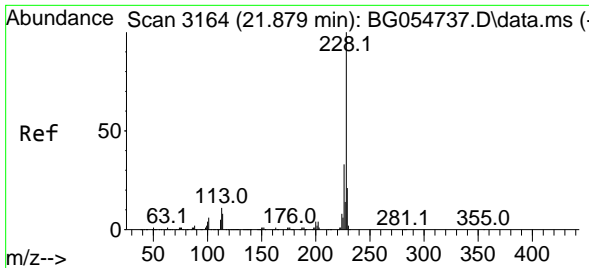
#81
 Benzo(a)anthracene
 Concen: 8.544 ng
 RT: 21.808 min Scan# 3152
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion: 228 Resp: 130686

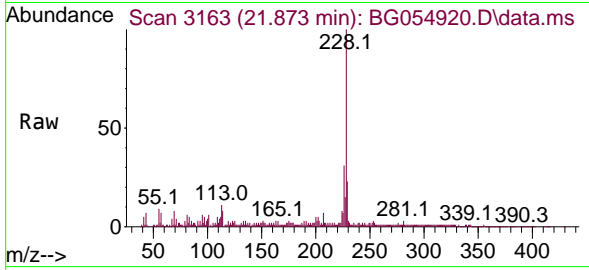
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	23.6	16.5	24.7





#83
 Chrysene
 Concen: 12.063 ng m
 RT: 21.873 min Scan# 3163
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

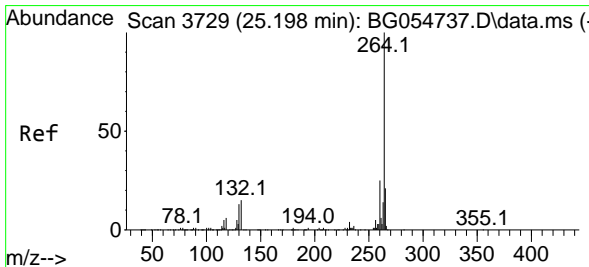
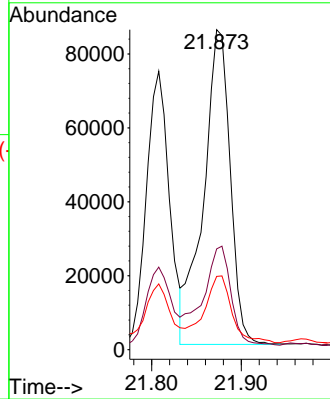
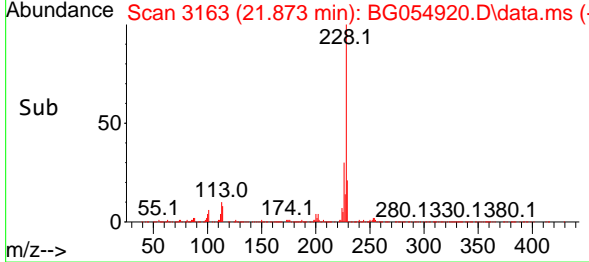
Instrument :
 BNA_G
 ClientSampleId :
 72-11998



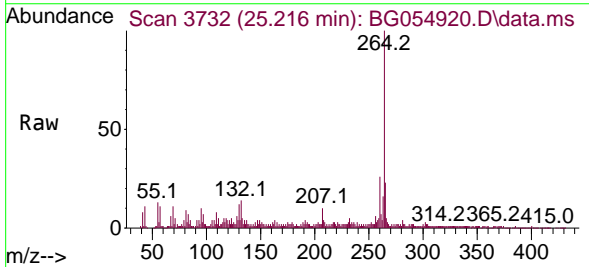
Tgt Ion:228 Resp: 176429
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.5 38.3
 229 22.9 16.8 25.2

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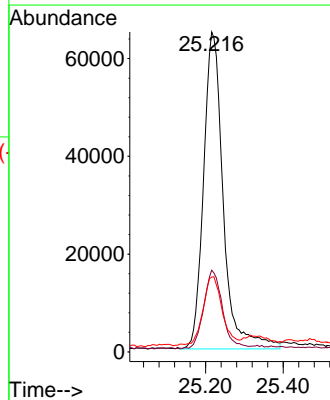
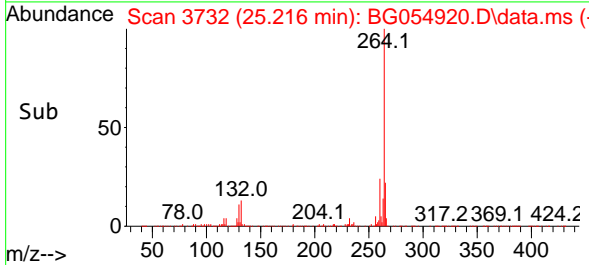
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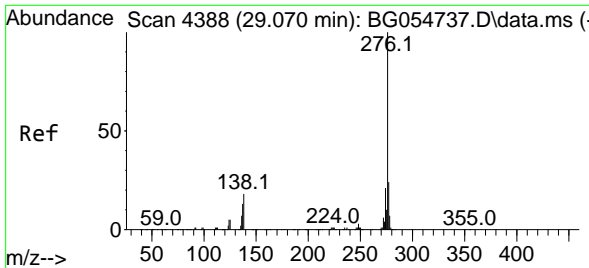


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.216 min Scan# 3732
 Delta R.T. 0.013 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion:264 Resp: 228929
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.9 29.9
 265 23.4 16.9 25.3





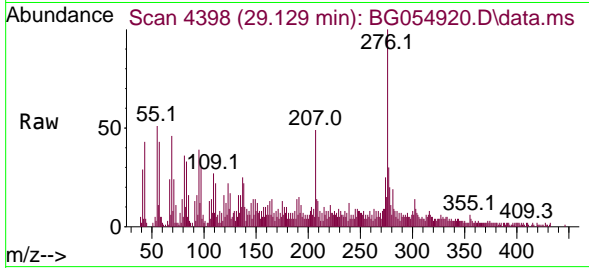
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.655 ng
 RT: 29.129 min Scan# 4388
 Delta R.T. 0.019 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

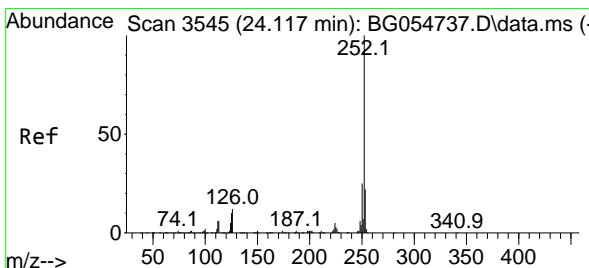
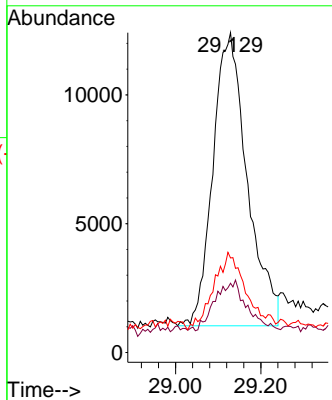
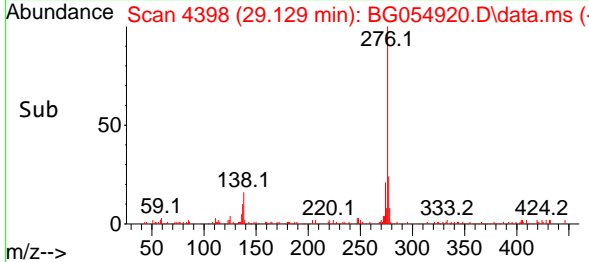


Tgt Ion: 276 Resp: 63523
 Ion Ratio Lower Upper
 276 100
 138 17.3 12.0 18.0
 277 24.3 20.2 30.4

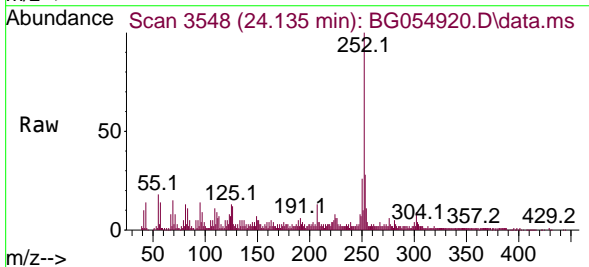
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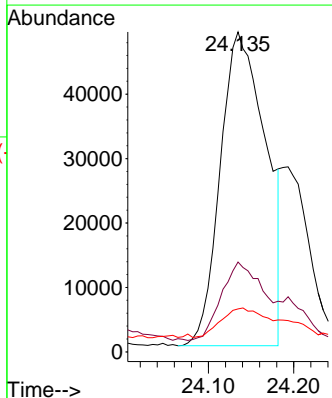
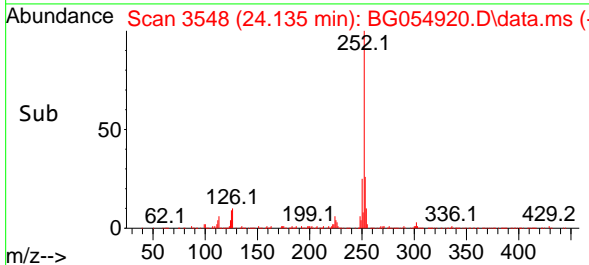
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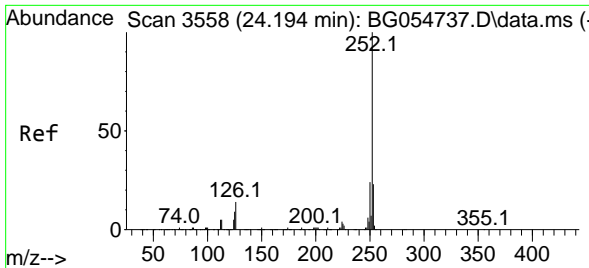


#88
 Benzo(b)fluoranthene
 Concen: 12.576 ng
 RT: 24.135 min Scan# 3548
 Delta R.T. 0.013 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



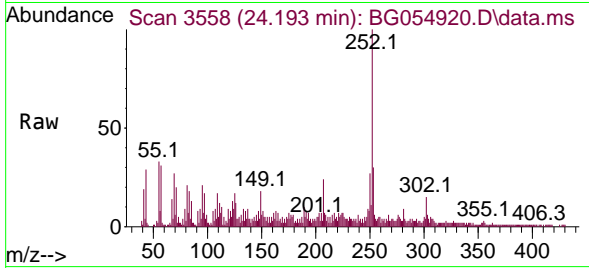
Tgt Ion: 252 Resp: 180599
 Ion Ratio Lower Upper
 252 100
 253 28.1 18.0 27.0#
 125 13.4 8.1 12.1#





#89
 Benzo(k)fluoranthene
 Concen: 4.426 ng m
 RT: 24.193 min Scan# 3558
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

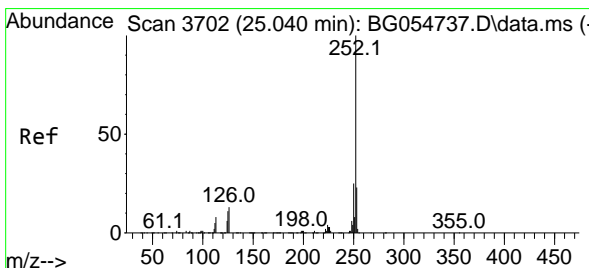
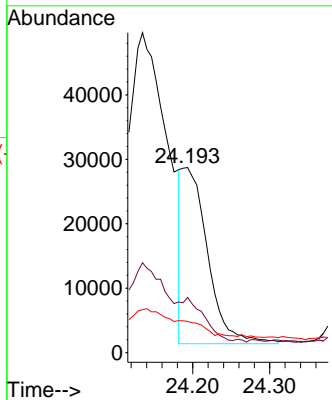
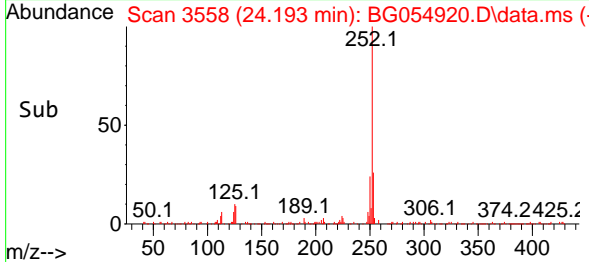
Instrument : BNA_G
 ClientSampleId : 72-11998



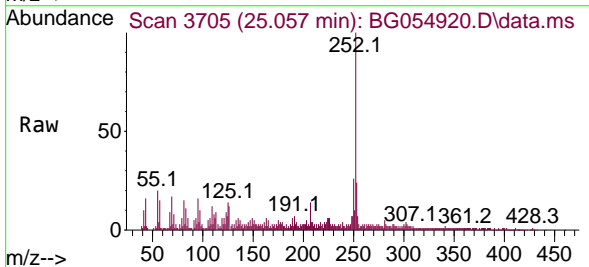
Tgt Ion: 252 Resp: 63962
 Ion Ratio Lower Upper
 252 100
 253 29.8 17.8 26.8
 125 16.9 8.2 12.4

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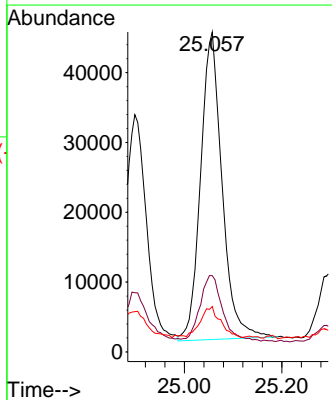
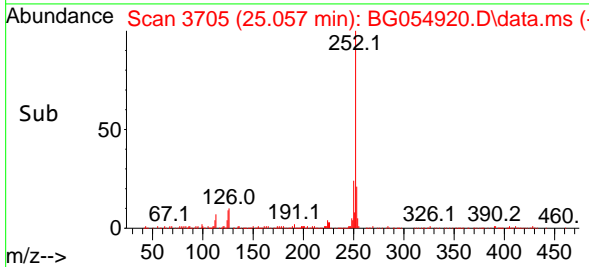
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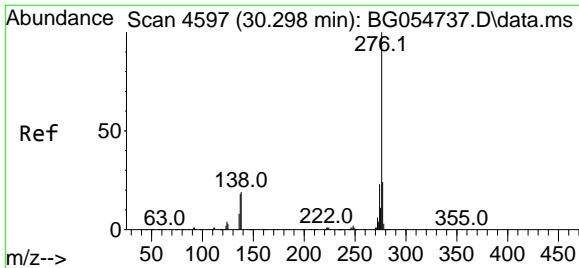


#90
 Benzo(a)pyrene
 Concen: 10.970 ng
 RT: 25.057 min Scan# 3705
 Delta R.T. 0.007 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



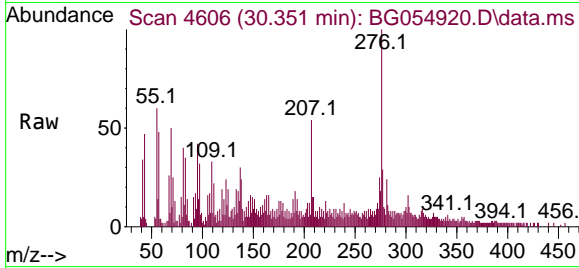
Tgt Ion: 252 Resp: 134597
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.3 27.5
 125 14.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.356 ng
 RT: 30.351 min Scan# 40
 Delta R.T. 0.025 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

Instrument :
 BNA_G
 ClientSampleId :
 72-11998



Tgt Ion: 276 Resp: 6230

Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.4	29.0
138	23.7	16.6	25.0

Manual Integrations
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