

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050701.D
 Acq On : 22 Oct 2021 23:04
 Operator : CG/JU
 Sample : M4309-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-1

Manual Integrations
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10/25/2021 1:47:25 PM

Quant Time: Oct 23 01:46:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	58542	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	245032	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	143078	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	270184	20.000	ng	# 0.00
76) Chrysene-d12	21.918	240	220289	20.000	ng	# 0.00
86) Perylene-d12	25.344	264	203613	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	23159	5.916	ng	0.00
7) Phenol-d6	7.394	99	109570	19.333	ng	0.00
23) Nitrobenzene-d5	9.421	82	93884	15.861	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	1749	1.282	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	167383	17.607	ng	-0.01
79) Terphenyl-d14	20.203	244	196869	17.416	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.659	178	65077	4.571	ng	98
75) Fluoranthene	19.656	202	124332	7.104	ng	95
78) Pyrene	20.015	202	107882	6.902	ng	100
81) Benzo(a)anthracene	21.895	228	47070	3.229	ng	95
83) Chrysene	21.965	228	54549	3.978	ng	# 91
88) Benzo(b)fluoranthene	24.245	252	59902m	4.804	ng	
89) Benzo(k)fluoranthene	24.304	252	25508m	2.079	ng	
90) Benzo(a)pyrene	25.167	252	38734	3.653	ng	# 81

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

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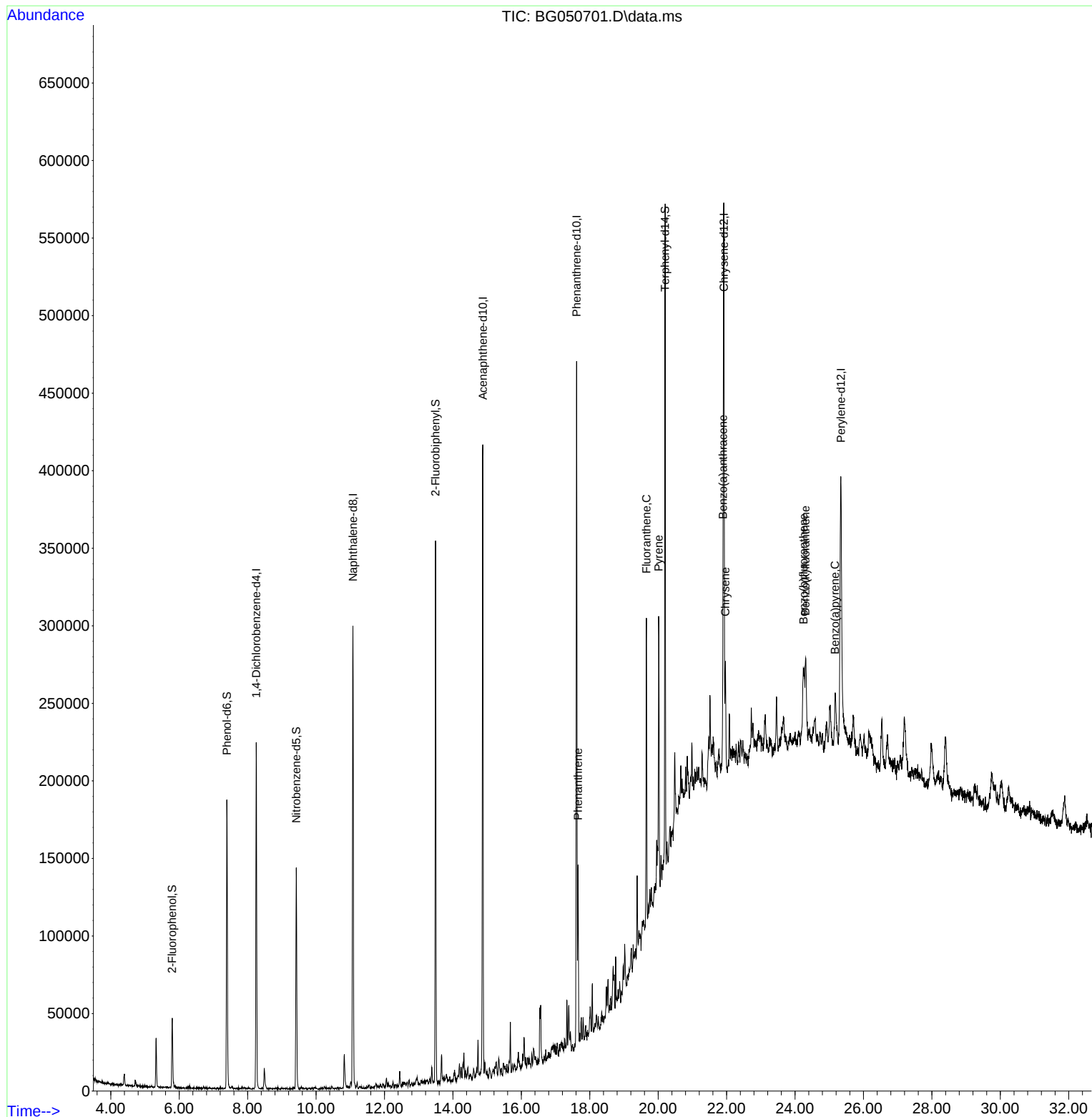
Instrument :
BNA_G
ClientSampled :
L-1

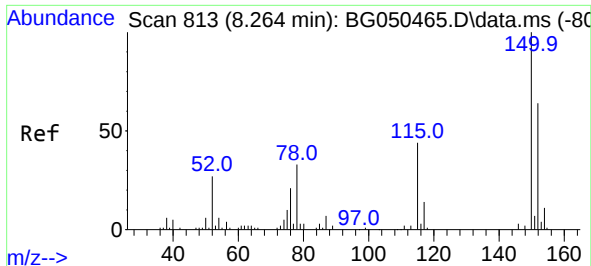
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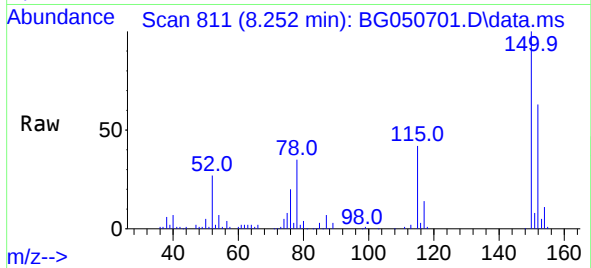
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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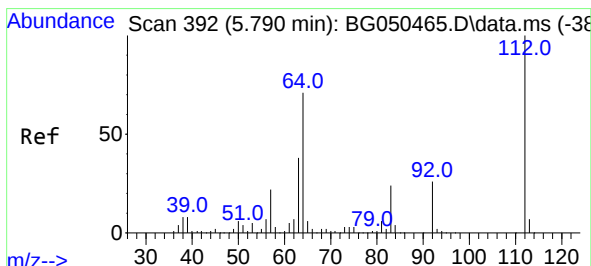
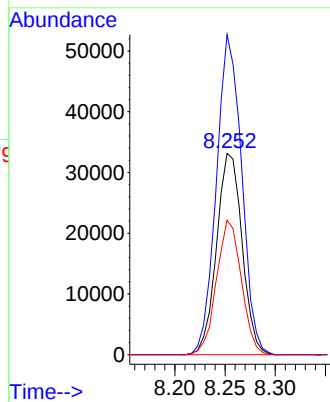
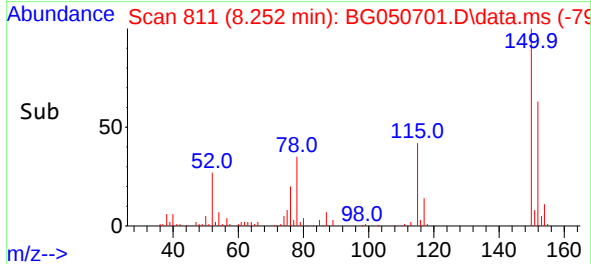




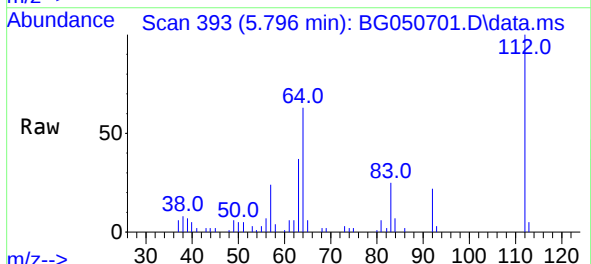
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



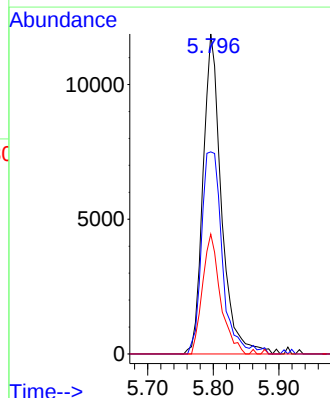
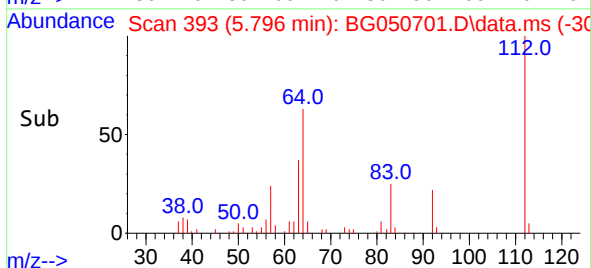
Tgt Ion:152 Resp: 58542
Ion Ratio Lower Upper
152 100
150 158.9 119.4 179.0
115 66.9 60.2 90.4



#5
2-Fluorophenol
Concen: 5.916 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.005 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:112 Resp: 23159
Ion Ratio Lower Upper
112 100
64 63.2 46.7 70.1
63 37.4 35.3 52.9



Instrument :
BNA_G
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L-1

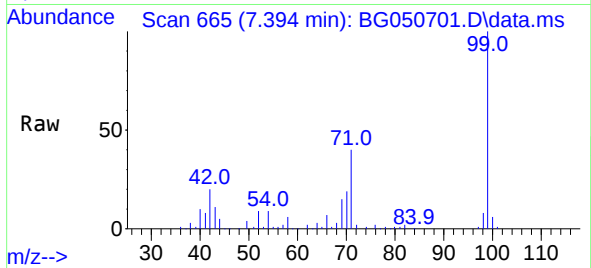
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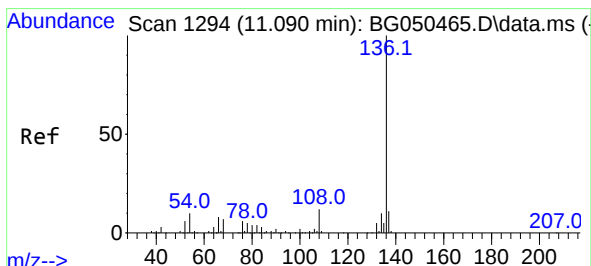
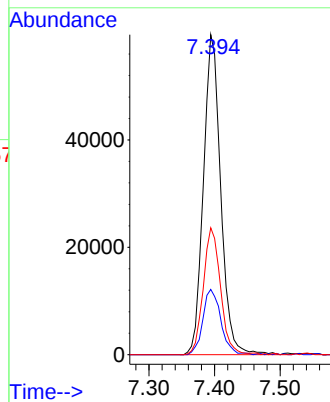
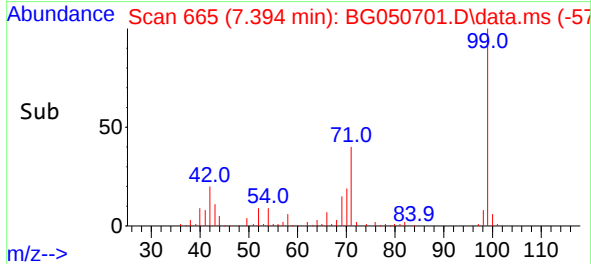
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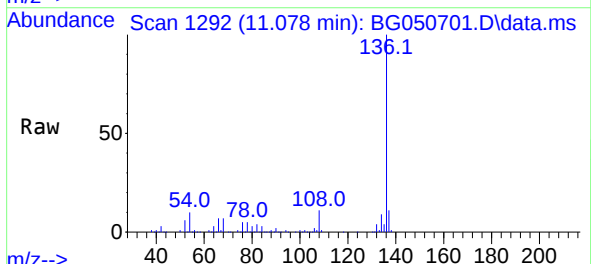
#7
Phenol-d6
Concen: 19.333 ng
RT: 7.394 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



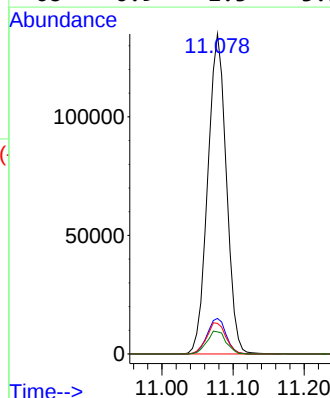
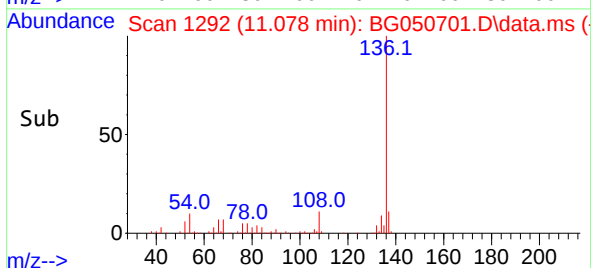
Tgt Ion: 99 Resp: 109570
Ion Ratio Lower Upper
99 100
42 20.4 20.5 30.7#
71 39.7 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion: 136 Resp: 245032
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 9.6 5.5 8.3#
68 6.9 2.3 3.5#

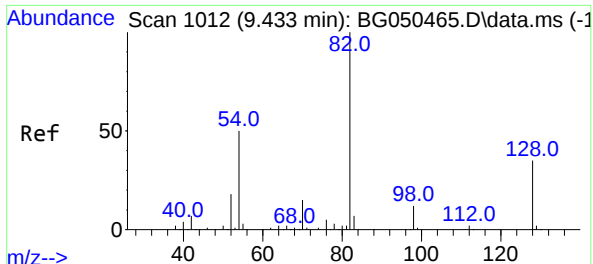


Instrument :
BNA_G
ClientSampled :
L-1

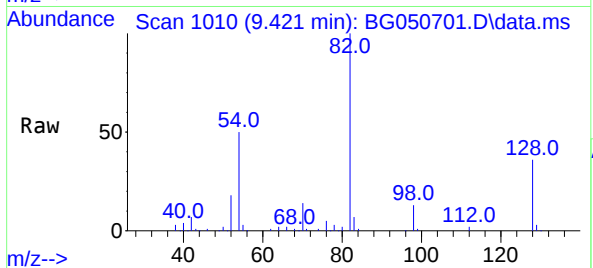
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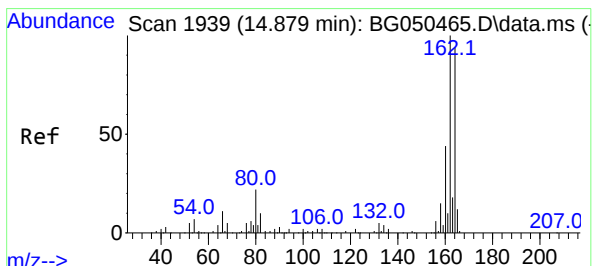
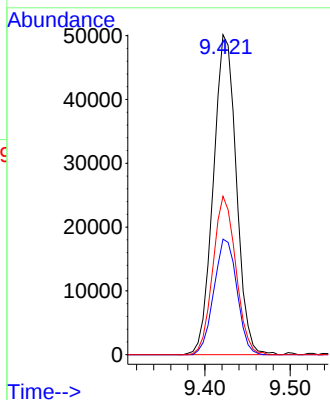
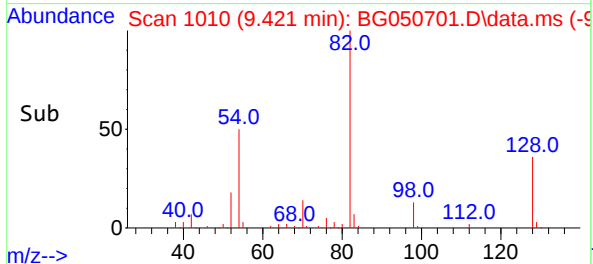
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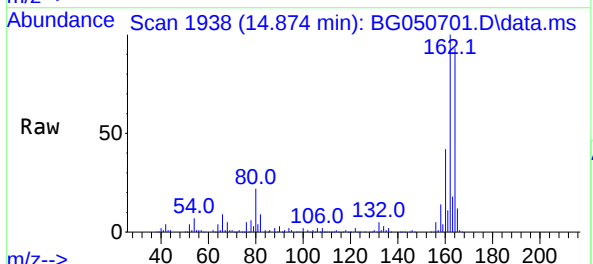
#23
Nitrobenzene-d5
Concen: 15.861 ng
RT: 9.421 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



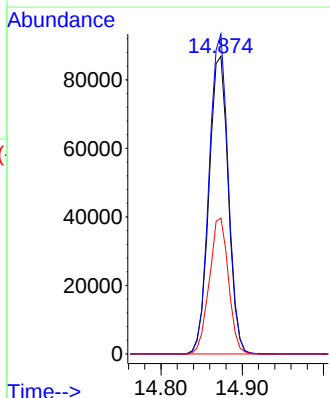
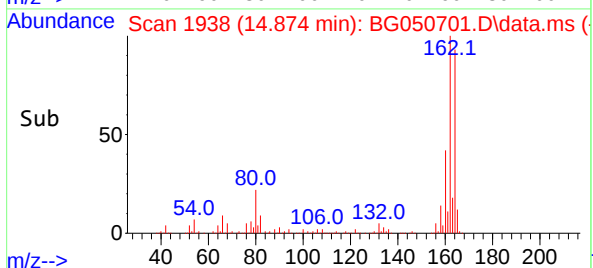
Tgt Ion: 82 Resp: 93884
Ion Ratio Lower Upper
82 100
128 36.1 29.8 44.6
54 49.5 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion: 164 Resp: 143078
Ion Ratio Lower Upper
164 100
162 107.5 81.4 122.0
160 45.7 34.9 52.3

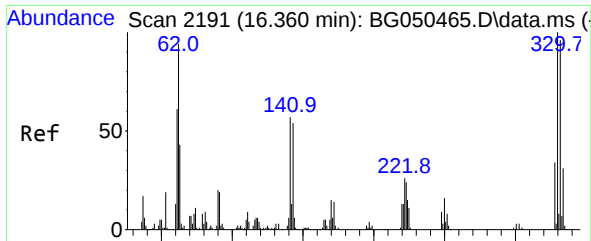


Instrument :
BNA_G
ClientSampled :
L-1

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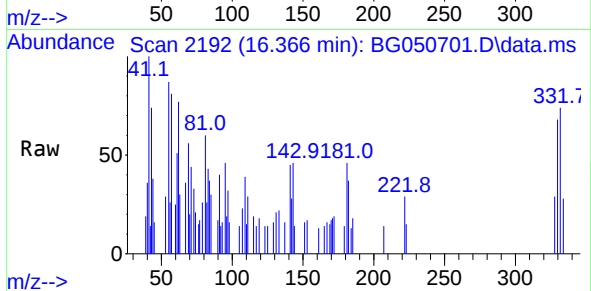
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#42
2,4,6-Tribromophenol
Concen: 1.282 ng
RT: 16.366 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Instrument :
BNA_G
ClientSampled :
L-1

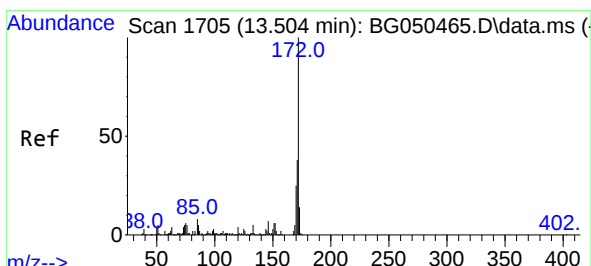
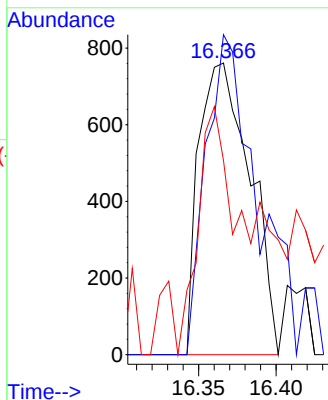
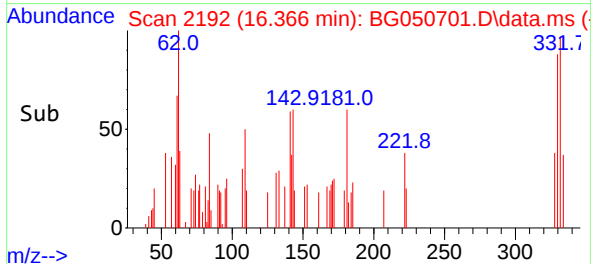


Tgt Ion:330 Resp: 1749
Ion Ratio Lower Upper
330 100
332 108.3 77.3 115.9
141 62.9 35.6 53.4#

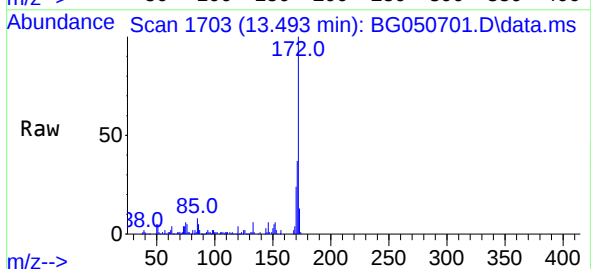
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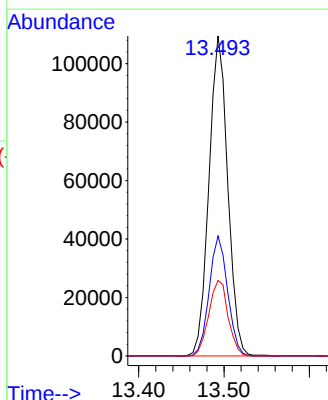
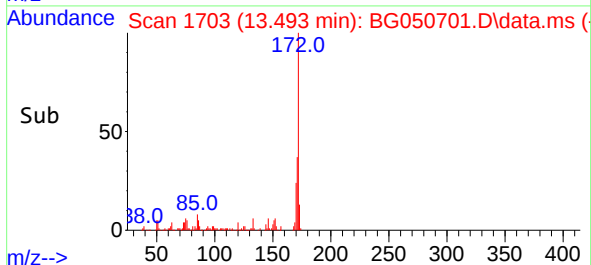
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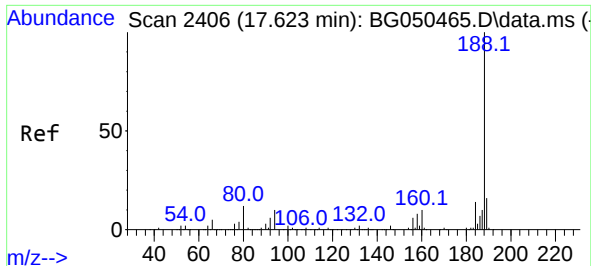


#45
2-Fluorobiphenyl
Concen: 17.607 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



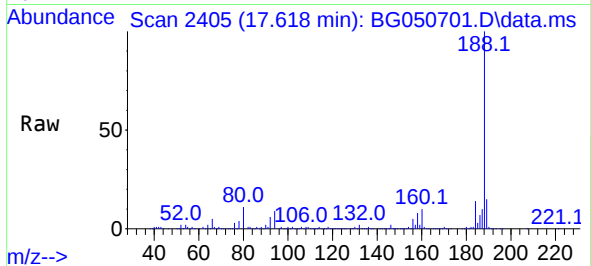
Tgt Ion:172 Resp: 167383
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 23.6 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Instrument :
BNA_G
ClientSampled :
L-1

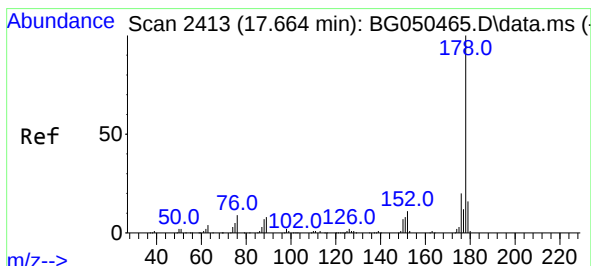
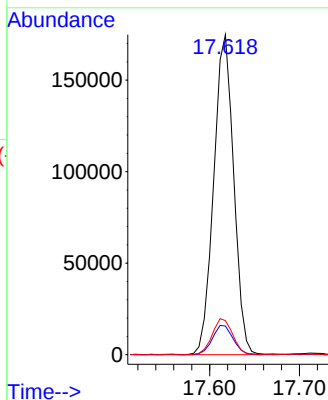
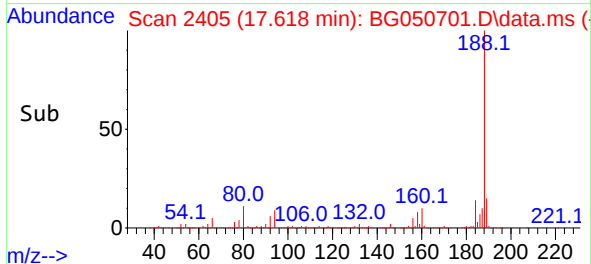


Tgt Ion:188 Resp: 270184
Ion Ratio Lower Upper
188 100
94 9.0 5.4 8.0#
80 10.7 3.7 5.5#

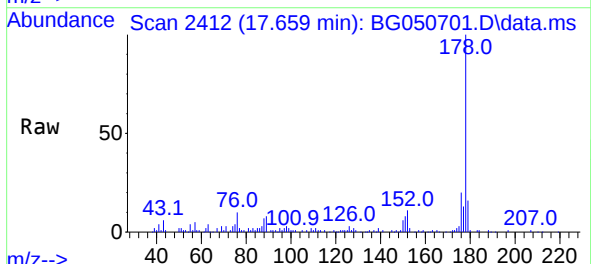
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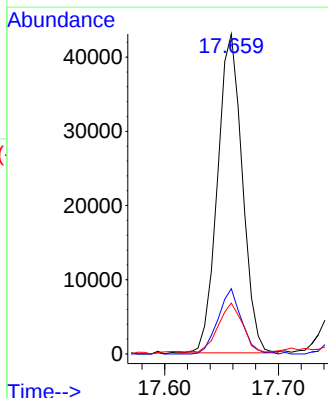
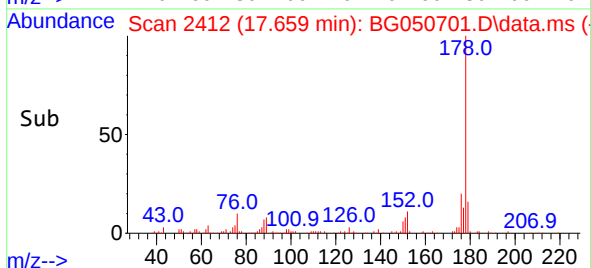
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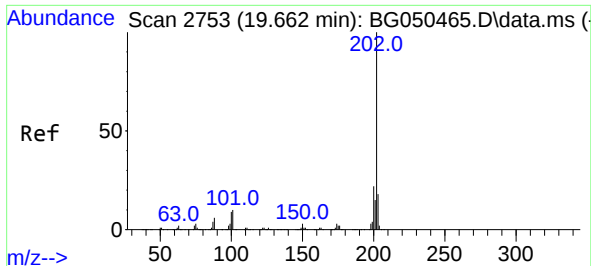


#71
Phenanthrene
Concen: 4.571 ng
RT: 17.659 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

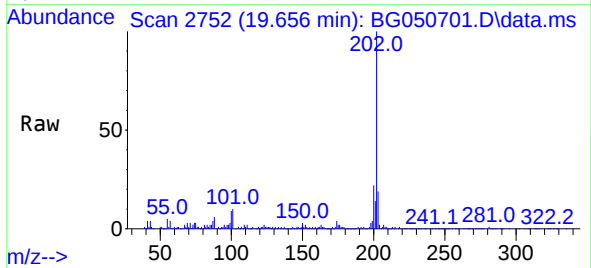


Tgt Ion:178 Resp: 65077
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 15.9 14.2 21.4

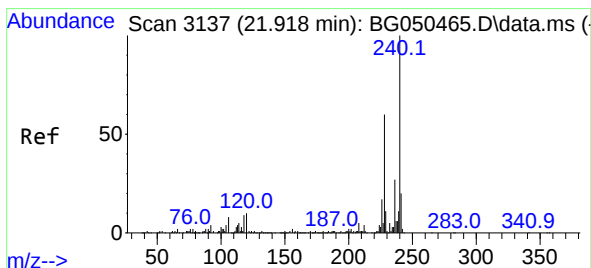
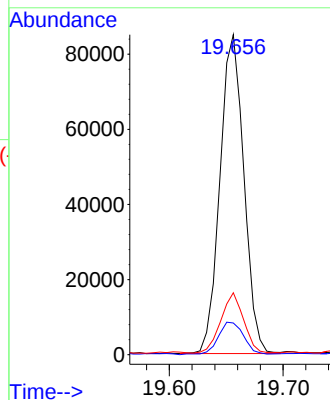
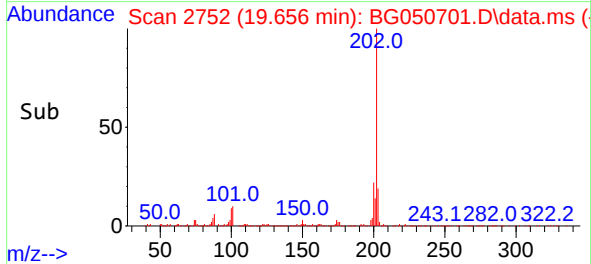




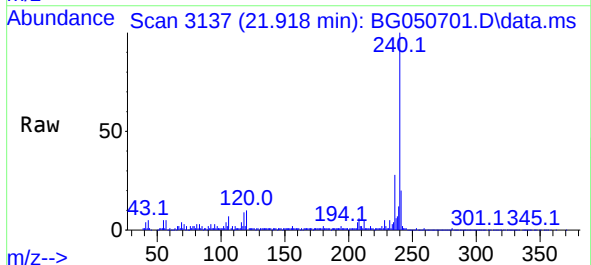
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Fluoranthene
Concen: 7.104 ng
RT: 19.656 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



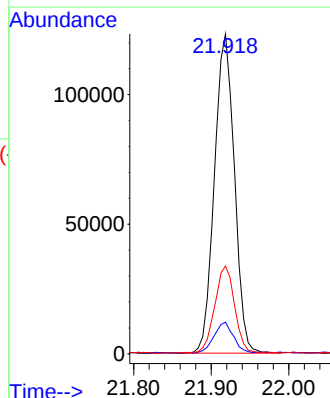
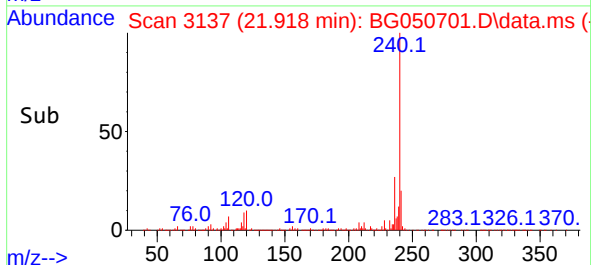
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Ion Ratio Lower Upper
202 100
101 9.9 0.0 24.7
203 19.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.918 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:240 Resp: 220289
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 27.5 21.8 32.6

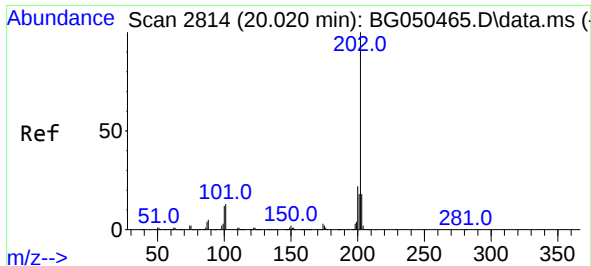


Instrument :
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ClientSampled :
L-1

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10/25/2021 1:47:25 PM



#78
Pyrene
Concen: 6.902 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

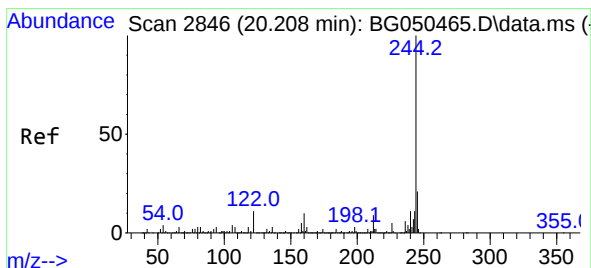
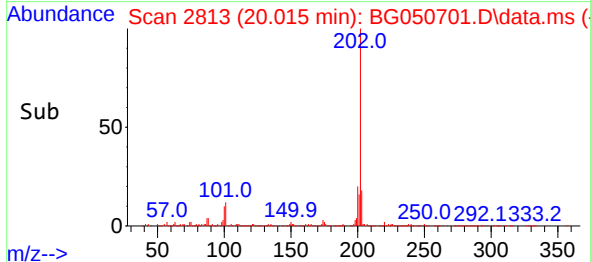
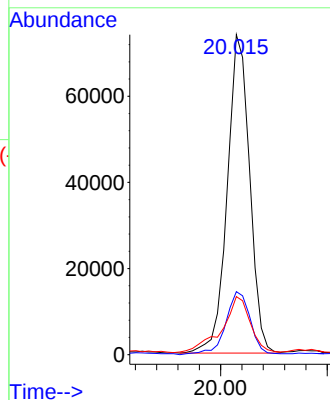
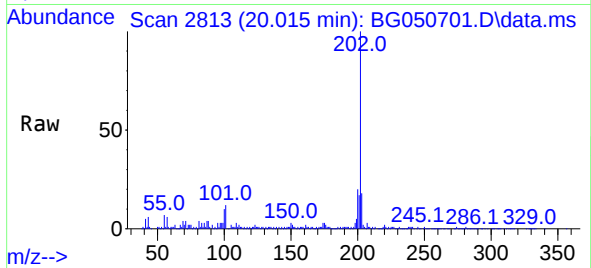
Tgt Ion:	202	Resp:	107882
Ion Ratio	Lower	Upper	
202	100		
200	19.7	15.8	23.8
203	18.2	14.6	21.8

Instrument :
BNA_G
ClientSampled :
L-1

Manual Integrations
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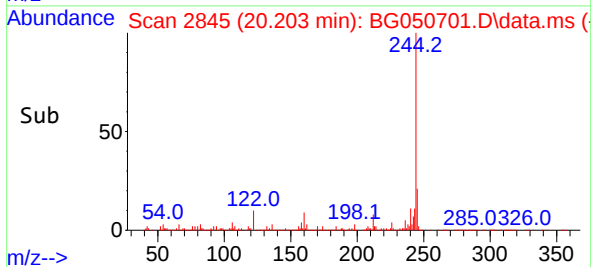
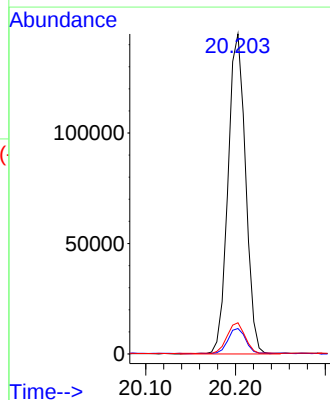
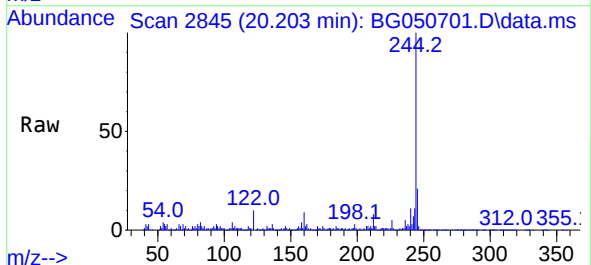
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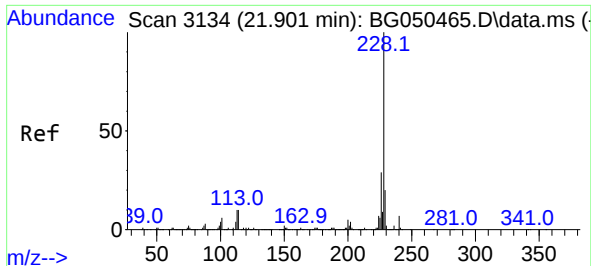
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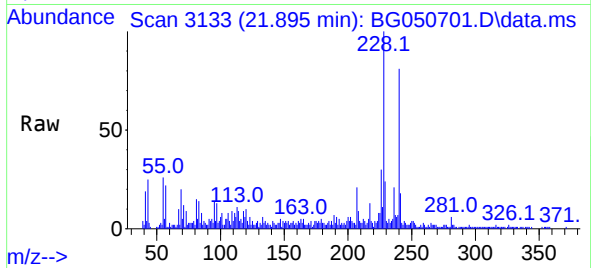
#79
Terphenyl-d14
Concen: 17.416 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:	244	Resp:	196869
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.9	10.3
122	9.8	5.0	7.6#

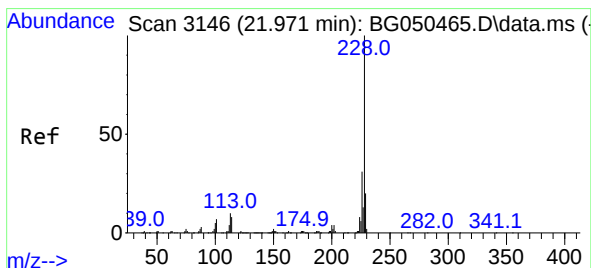
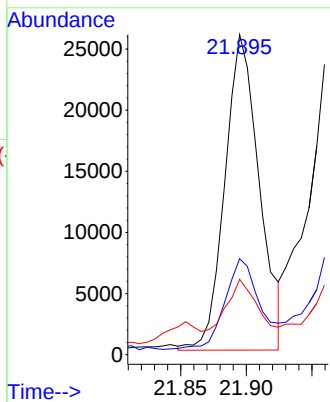
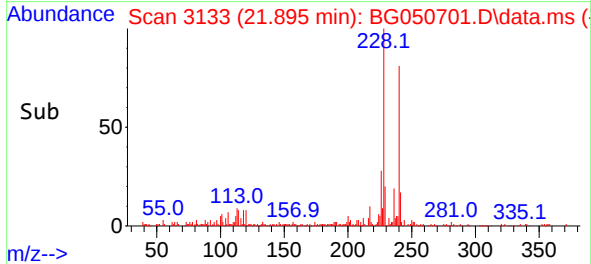




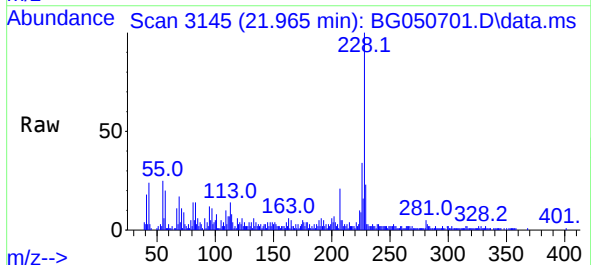
#81
Benzo(a)anthracene
Concen: 3.229 ng
RT: 21.895 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



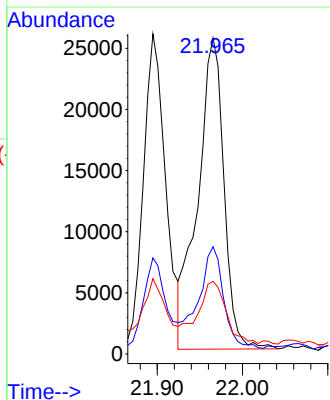
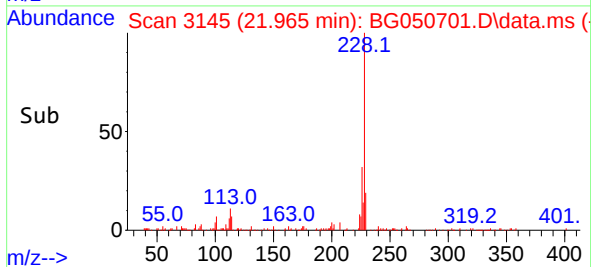
Tgt Ion:228 Resp: 47070
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 23.5 16.0 24.0



#83
Chrysene
Concen: 3.978 ng
RT: 21.965 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:228 Resp: 54549
Ion Ratio Lower Upper
228 100
226 33.9 23.1 34.7
229 23.0 15.3 22.9#

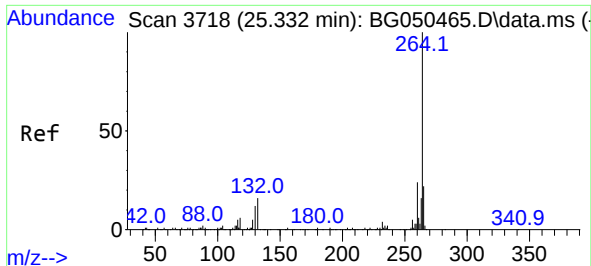


Instrument :
BNA_G
ClientSampled :
L-1

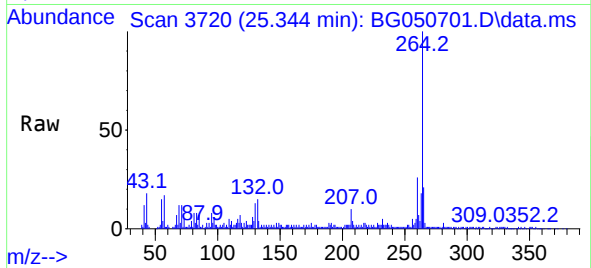
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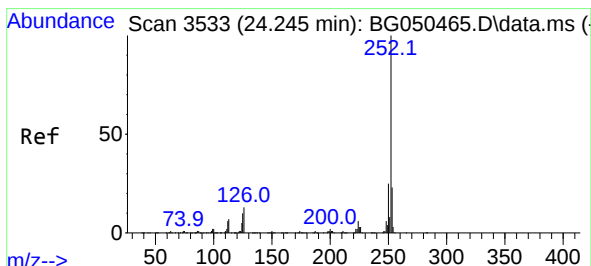
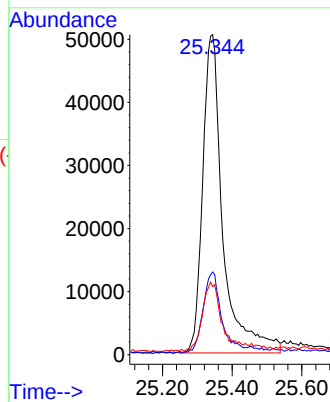
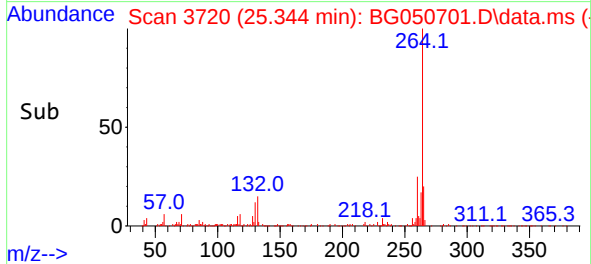
10/25/2021 1:47:25 PM



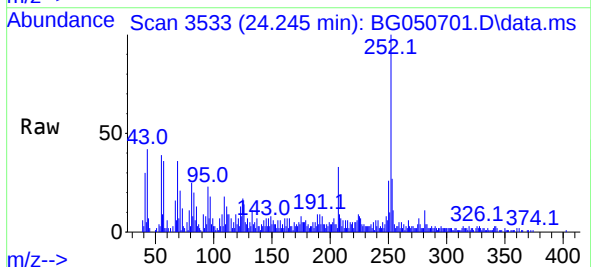
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



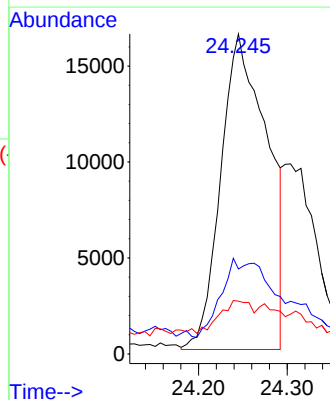
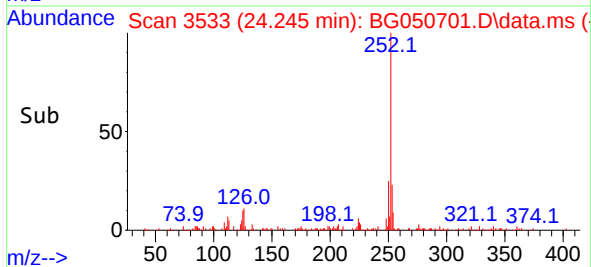
Tgt Ion:264 Resp: 203613
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 21.3 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 4.804 ng m
RT: 24.245 min Scan# 3533
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:252 Resp: 59902
Ion Ratio Lower Upper
252 100
253 26.5 16.2 24.4#
125 16.5 3.0 4.4#

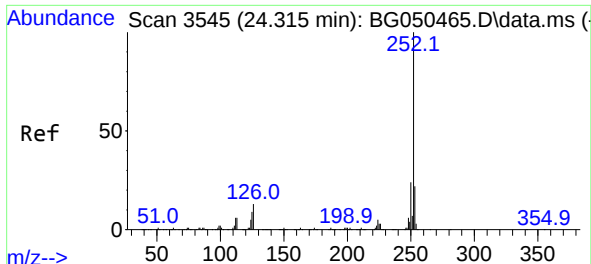


Instrument :
BNA_G
ClientSampled :
L-1

Manual Integrations
APPROVED

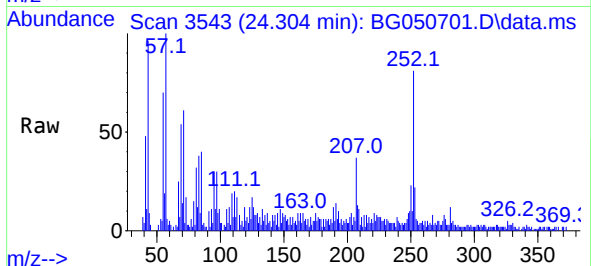
mohammad

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#89
Benzo(k)fluoranthene
Concen: 2.079 ng m
RT: 24.304 min Scan# 3543
Delta R.T. -0.012 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Instrument :
BNA_G
ClientSampled :
L-1

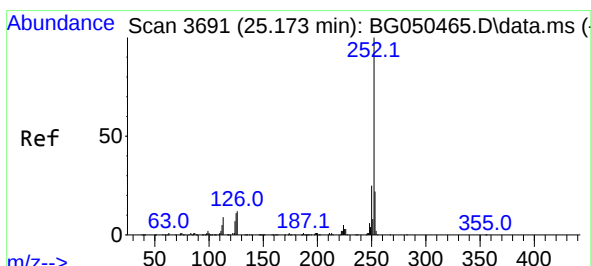
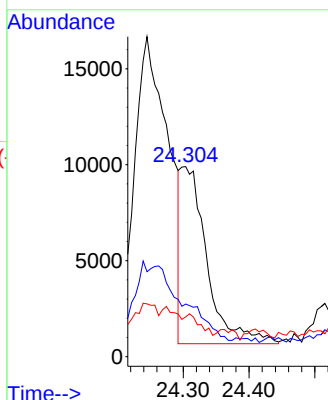
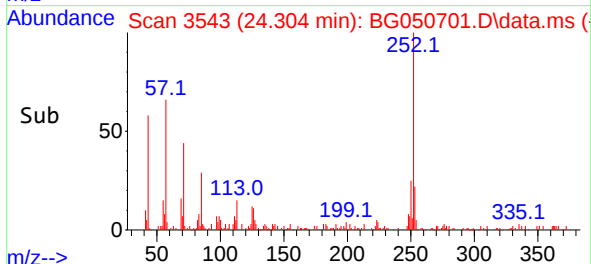


Tgt Ion:252 Resp: 25508
Ion Ratio Lower Upper
252 100
253 27.7 18.0 27.0#
125 20.9 3.1 4.7#

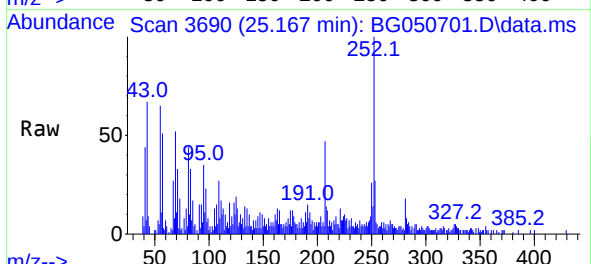
Manual Integrations
APPROVED

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#90
Benzo(a)pyrene
Concen: 3.653 ng
RT: 25.167 min Scan# 3690
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:252 Resp: 38734
Ion Ratio Lower Upper
252 100
253 27.0 16.6 25.0#
125 19.3 3.5 5.3#

