

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081221\
 Data File : BG049817.D
 Acq On : 12 Aug 2021 14:22
 Operator : CG/JU
 Sample : M3333-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124042

Manual Integrations
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Quant Time: Aug 12 14:58:23 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 03 15:15:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.030	152	28262	20.000	ng	0.00
21) Naphthalene-d8	10.856	136	128124	20.000	ng	-0.01
39) Acenaphthene-d10	14.686	164	101221	20.000	ng	0.00
64) Phenanthrene-d10	17.441	188	206586	20.000	ng	# 0.00
76) Chrysene-d12	21.724	240	173193	20.000	ng	0.00
86) Perylene-d12	25.013	264	185987	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	186613	118.365	ng	0.00
7) Phenol-d6	7.196	99	274731	115.117	ng	0.00
23) Nitrobenzene-d5	9.205	82	189501	65.449	ng	0.00
42) 2,4,6-Tribromophenol	16.178	330	158259	106.370	ng	0.00
45) 2-Fluorobiphenyl	13.306	172	440043	63.257	ng	0.00
79) Terphenyl-d14	20.049	244	658780	69.084	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.482	178	37305	3.432	ng	95
75) Fluoranthene	19.491	202	209093	15.634	ng	96
78) Pyrene	19.856	202	208973	17.698	ng	98
81) Benzo(a)anthracene	21.706	228	119355	10.582	ng	98
83) Chrysene	21.771	228	121597	11.278	ng	97
87) Indeno(1,2,3-cd)pyrene	28.749	276	135486	10.101	ng	# 95
88) Benzo(b)fluoranthene	23.962	252	244174	20.018	ng	# 95
89) Benzo(k)fluoranthene	24.021	252	66289m	5.826	ng	
90) Benzo(a)pyrene	24.843	252	169125	15.321	ng	# 98
91) Dibenzo(a,h)anthracene	28.796	278	35098m	3.105	ng	
92) Benzo(g,h,i)perylene	29.924	276	142116	12.834	ng	97

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

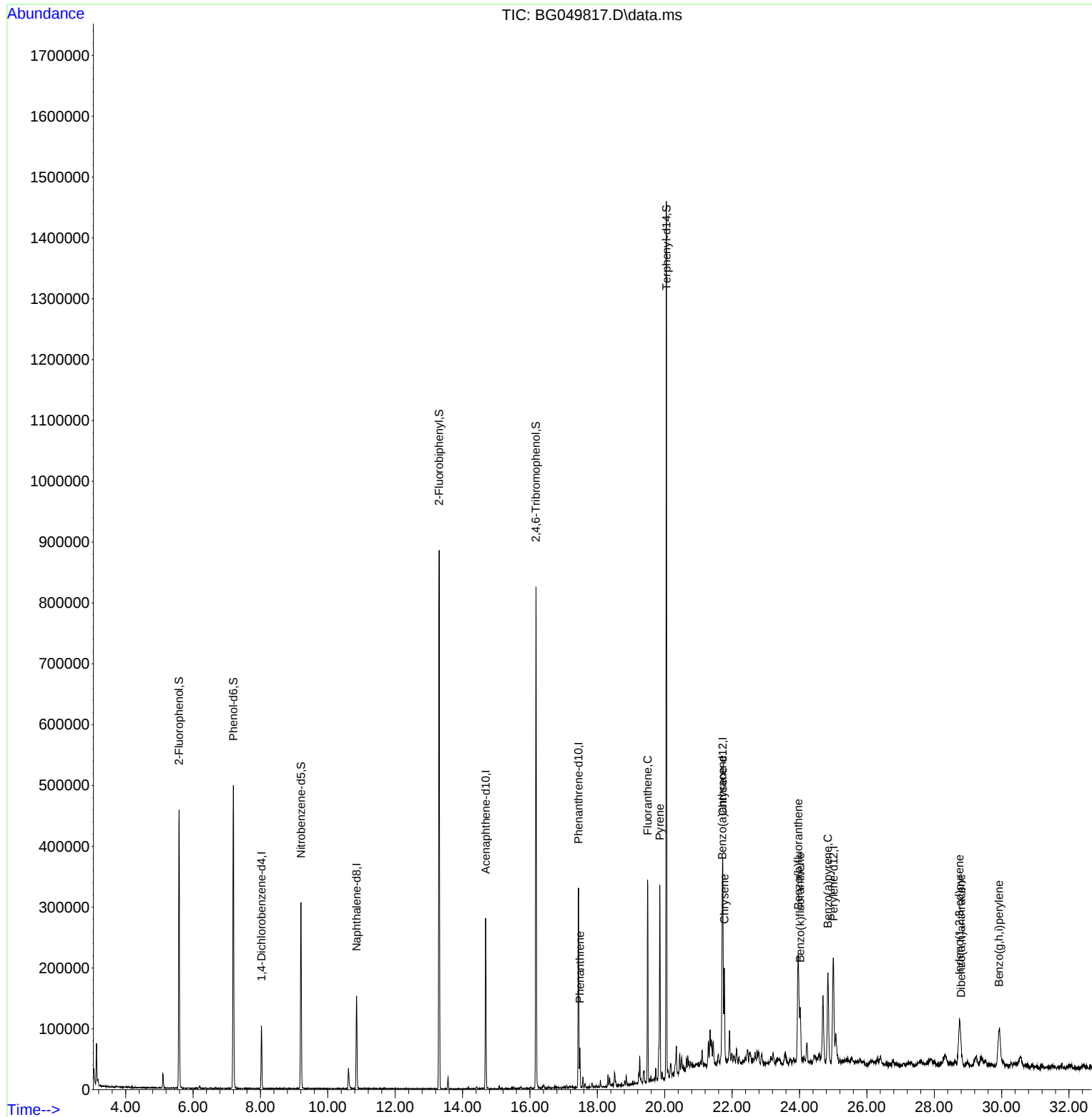
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Data File : BG049817.D
Acq On : 12 Aug 2021 14:22
Operator : CG/JU
Sample : M3333-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

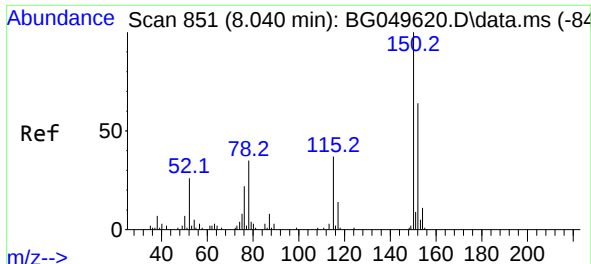
Instrument :
BNA_G
ClientSampleId :
124042

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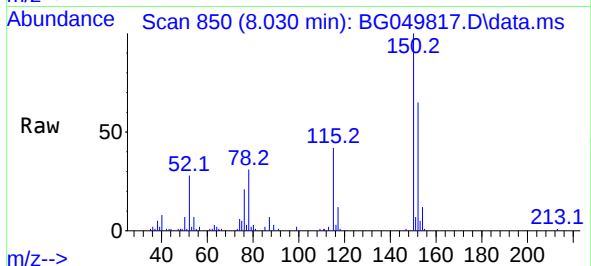
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Quant Time: Aug 12 14:58:23 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 03 15:15:33 2021
Response via : Initial Calibration

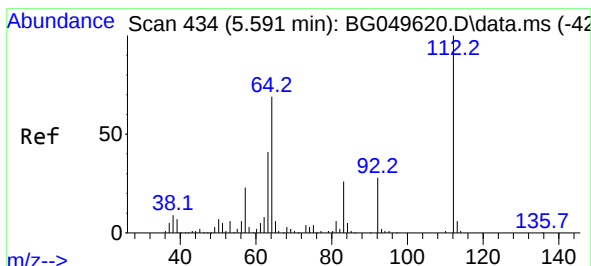
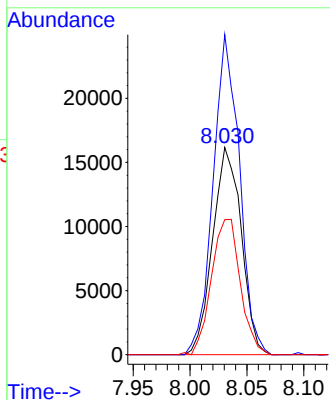
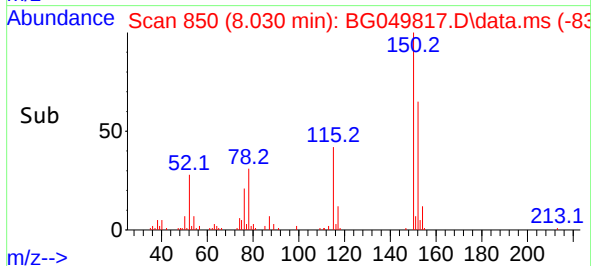




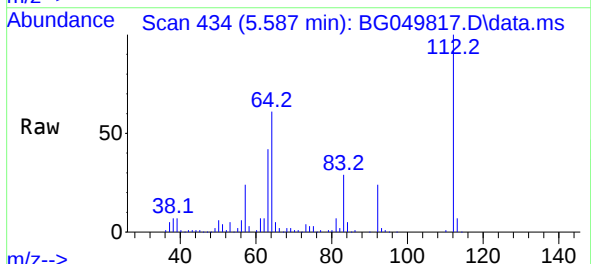
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.030 min Scan# 850
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



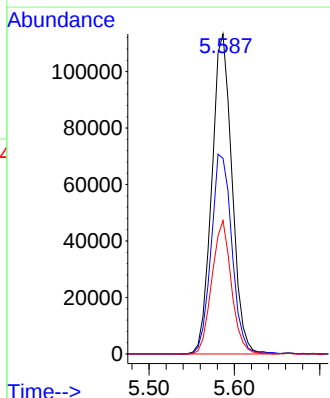
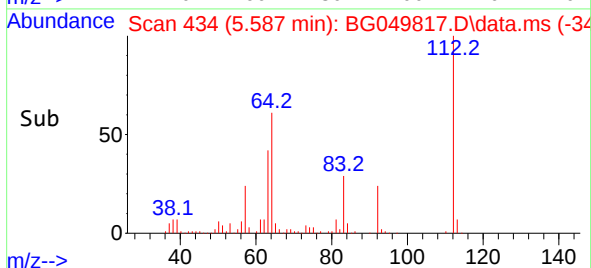
Tgt Ion:152 Resp: 28262
Ion Ratio Lower Upper
152 100
150 154.4 119.4 179.0
115 65.2 60.2 90.4



#5
2-Fluorophenol
Concen: 118.365 ng
RT: 5.587 min Scan# 434
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



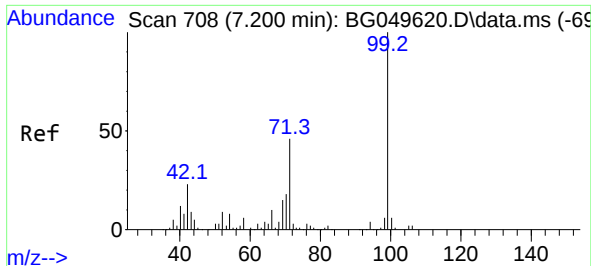
Tgt Ion:112 Resp: 186613
Ion Ratio Lower Upper
112 100
64 61.2 46.7 70.1
63 41.7 35.3 52.9



Instrument :
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ClientSampleId :
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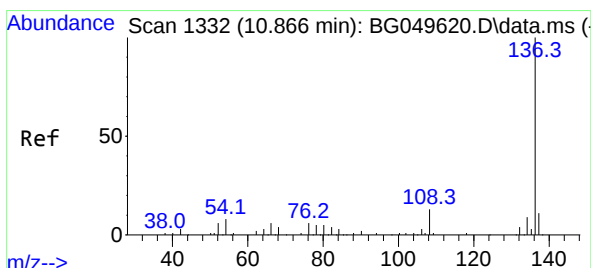
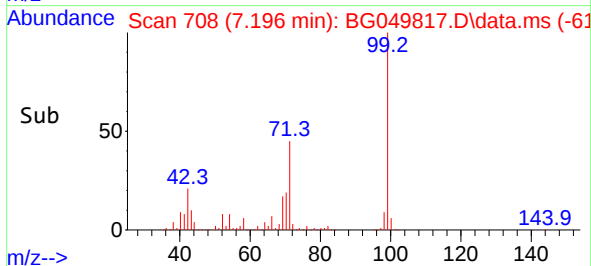
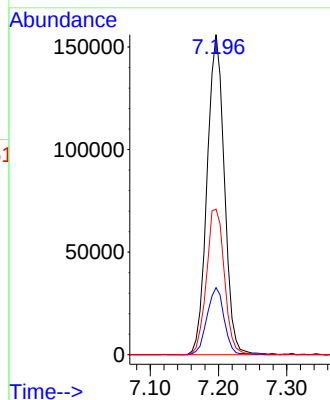
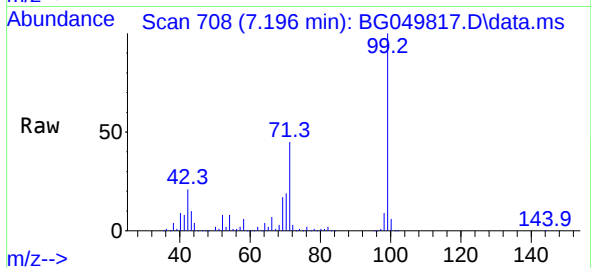
#7
Phenol-d6
Concen: 115.117 ng
RT: 7.196 min Scan# 708
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

Tgt Ion:	99	Resp:	274731
Ion	Ratio	Lower	Upper
99	100		
42	20.9	20.5	30.7
71	45.5	41.5	62.3

Instrument :
BNA_G
ClientSampleId :
124042

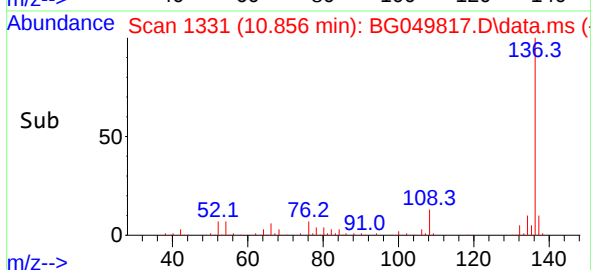
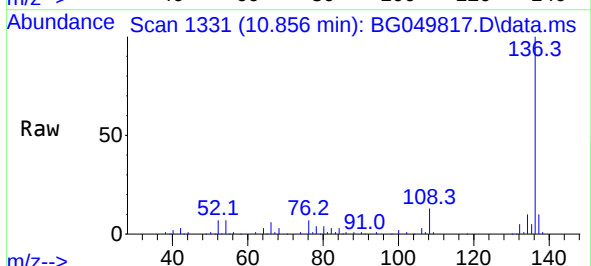
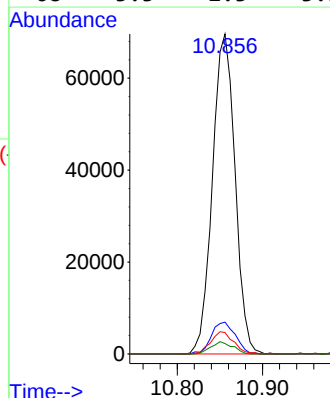
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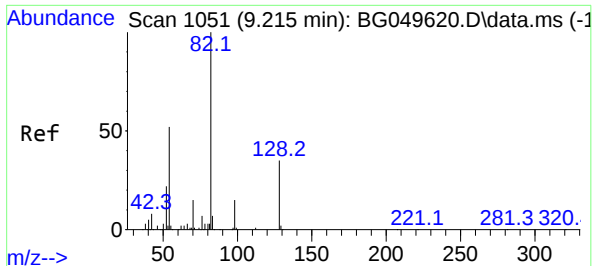
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.856 min Scan# 1331
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

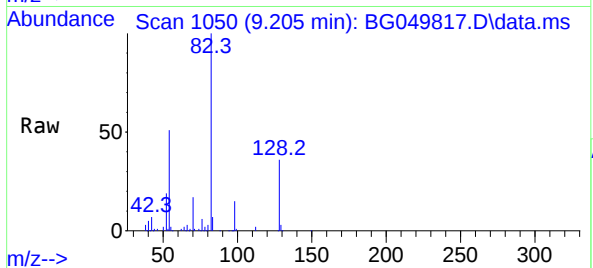
Tgt Ion:	136	Resp:	128124
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.2	12.2
54	6.7	5.5	8.3
68	3.3	2.3	3.5





#23
Nitrobenzene-d5
Concen: 65.449 ng
RT: 9.205 min Scan# 1050
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

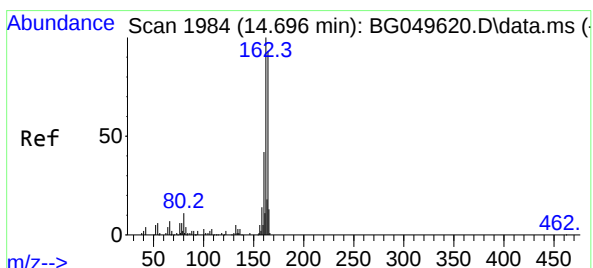
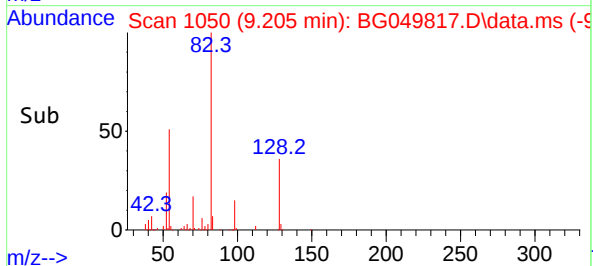
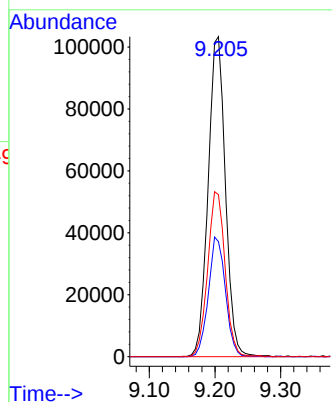
Instrument :
BNA_G
ClientSampleId :
124042



Tgt Ion: 82 Resp: 189501
Ion Ratio Lower Upper
82 100
128 35.9 29.8 44.6
54 50.7 45.8 68.8

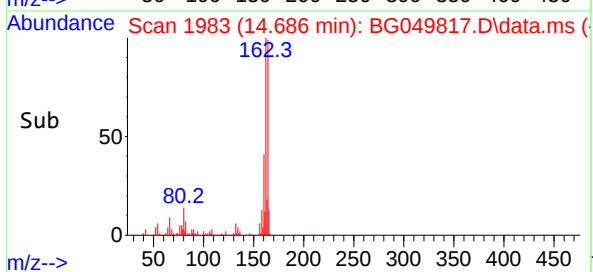
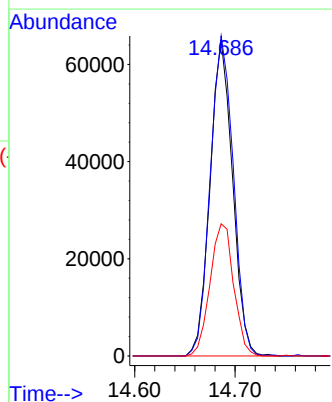
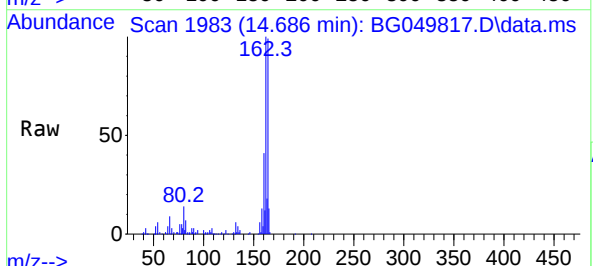
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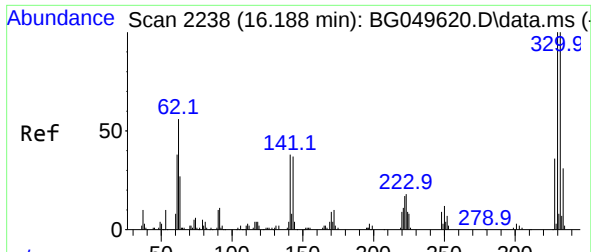
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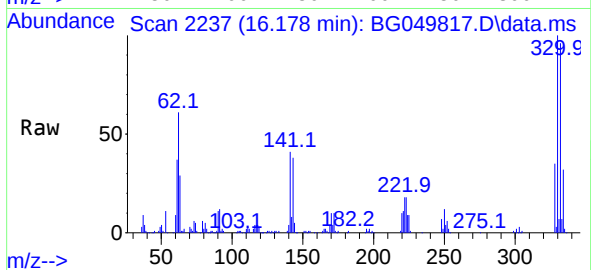
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.686 min Scan# 1983
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

Tgt Ion: 164 Resp: 101221
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 41.8 34.9 52.3

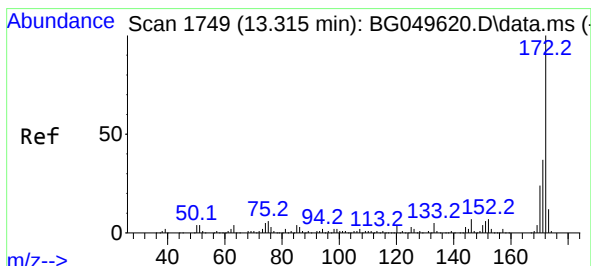
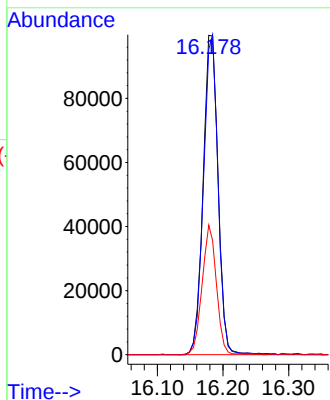
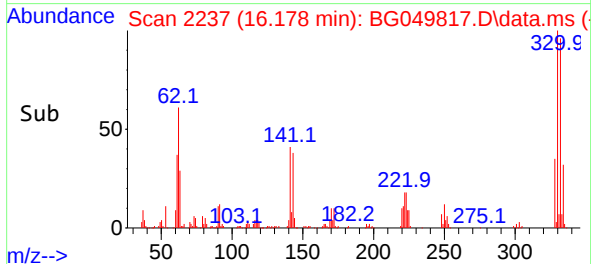




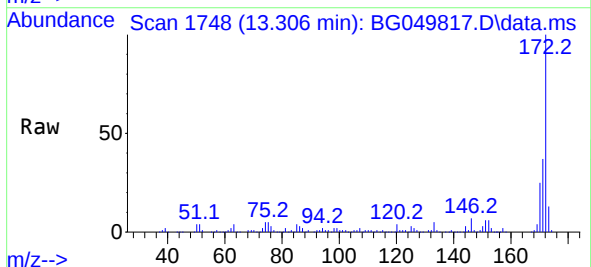
#42
2,4,6-Tribromophenol
Concen: 106.370 ng
RT: 16.178 min Scan# 2237
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



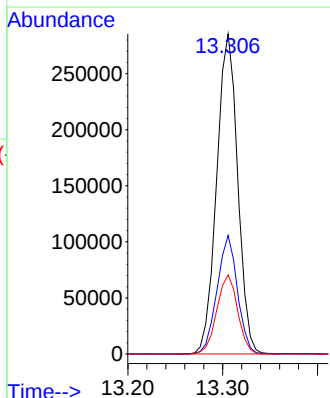
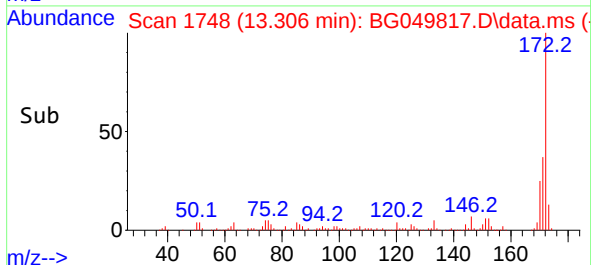
Tgt Ion:330 Resp: 158259
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 38.5 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 63.257 ng
RT: 13.306 min Scan# 1748
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



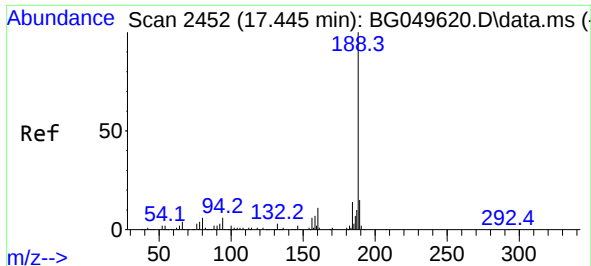
Tgt Ion:172 Resp: 440043
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.7 18.6 27.8



Instrument :
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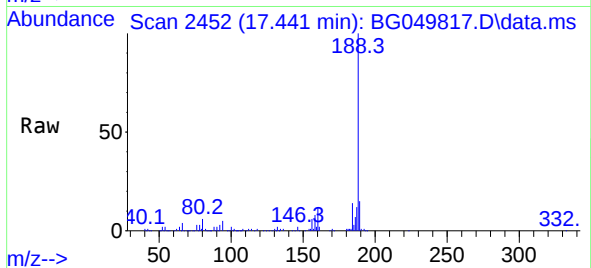
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.441 min Scan# 2452
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

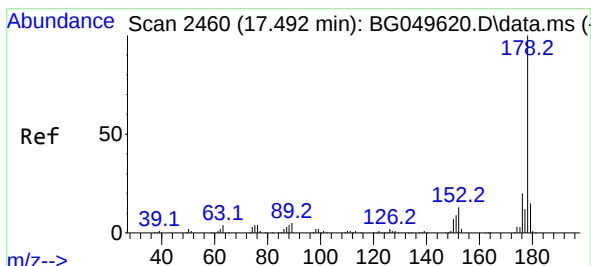
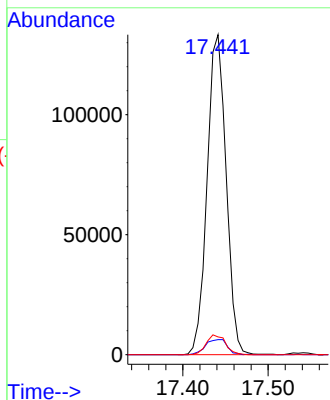
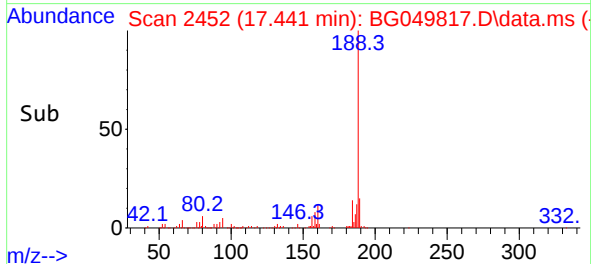
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BNA_G
ClientSampled :
124042



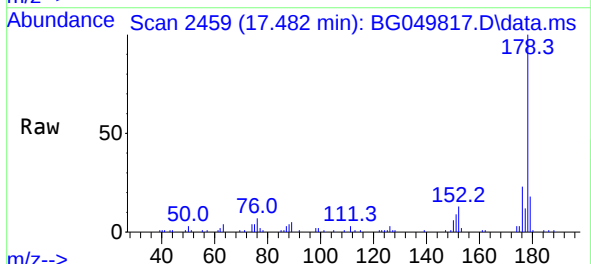
Tgt Ion:188 Resp: 206586
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 5.6 3.7 5.5#

Manual Integrations
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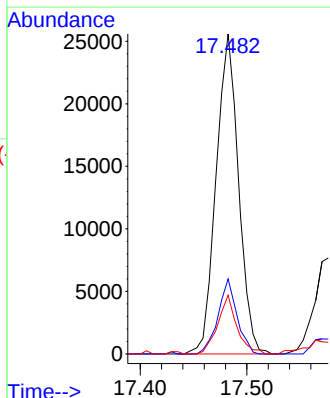
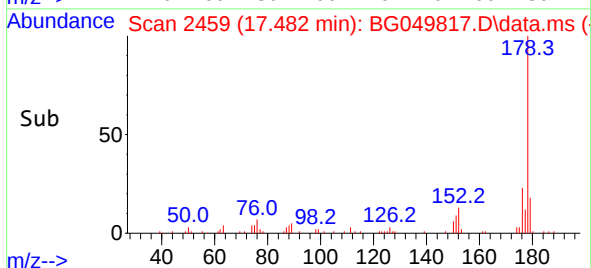
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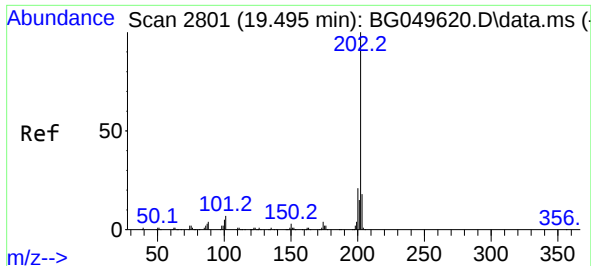


#71
Phenanthrene
Concen: 3.432 ng
RT: 17.482 min Scan# 2459
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



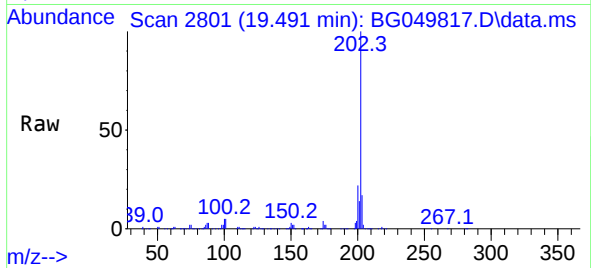
Tgt Ion:178 Resp: 37305
Ion Ratio Lower Upper
178 100
176 23.5 16.0 24.0
179 18.3 14.2 21.4





#75
Fluoranthene
Concen: 15.634 ng
RT: 19.491 min Scan# 2801
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

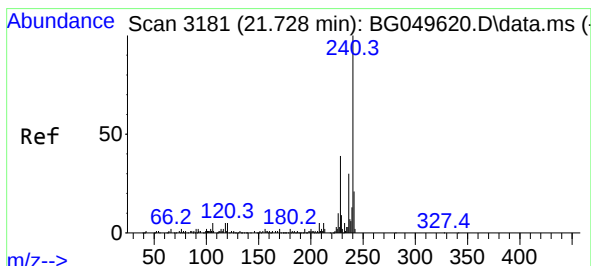
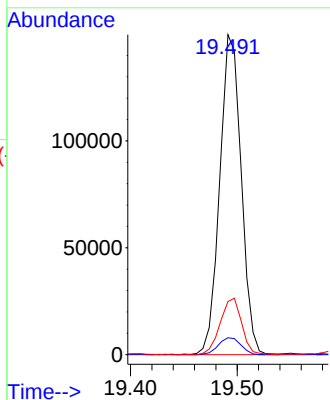
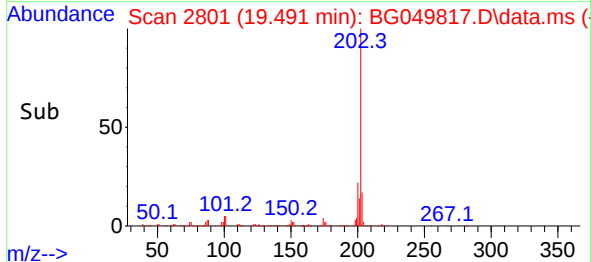
Instrument :
BNA_G
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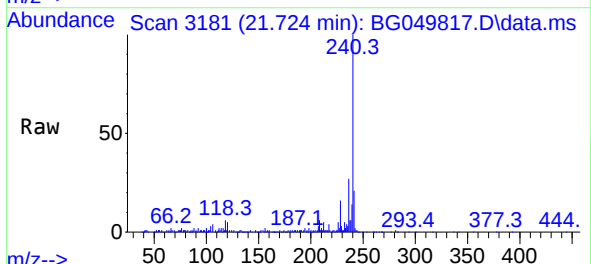
Tgt Ion:202 Resp: 209093
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 16.6 0.0 38.5

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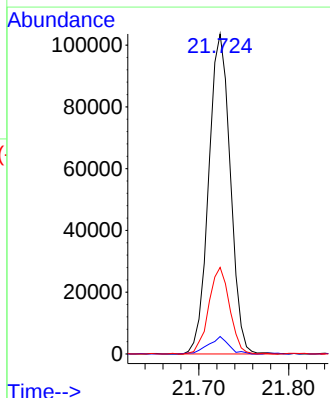
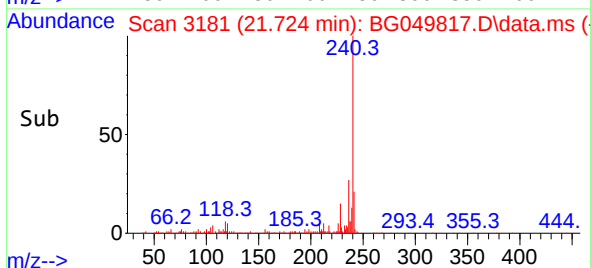
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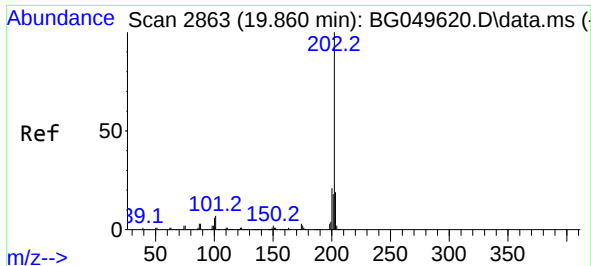


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3181
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



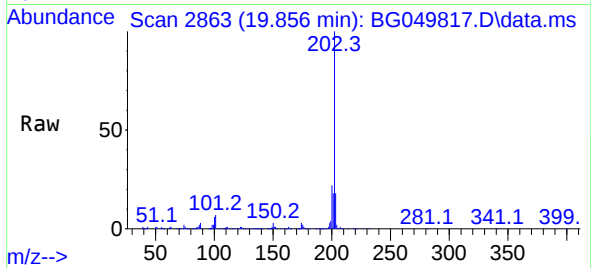
Tgt Ion:240 Resp: 173193
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 27.0 21.8 32.6





#78
Pyrene
Concen: 17.698 ng
RT: 19.856 min Scan# 2863
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

Instrument :
BNA_G
ClientSampleId :
124042

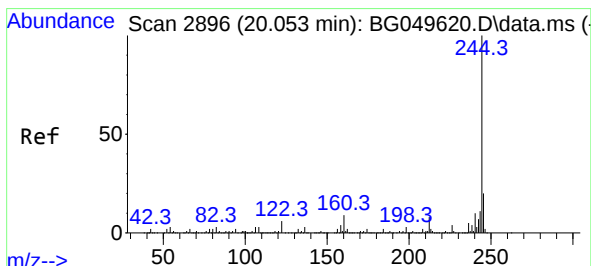
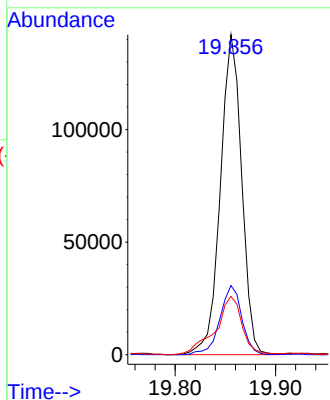
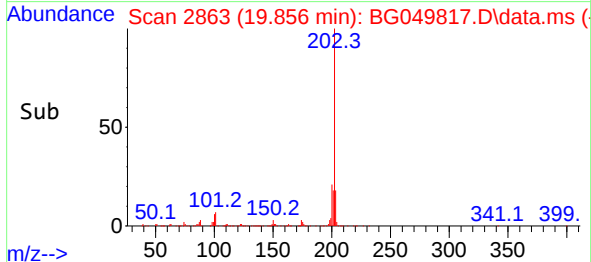


Tgt Ion:202 Resp: 208973

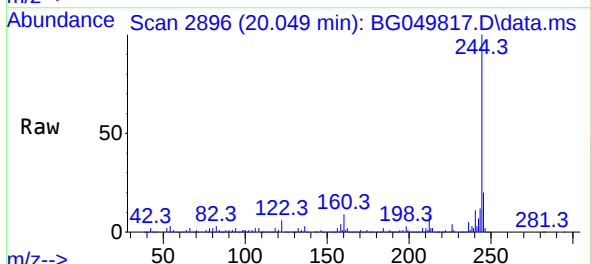
Ion	Ratio	Lower	Upper
202	100		
200	21.6	15.8	23.8
203	18.2	14.6	21.8

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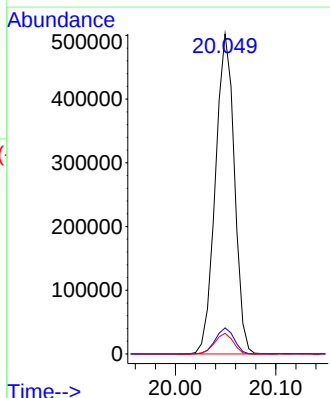
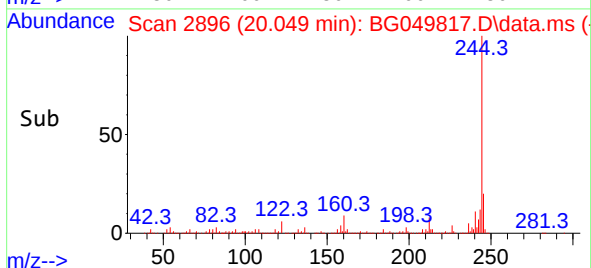


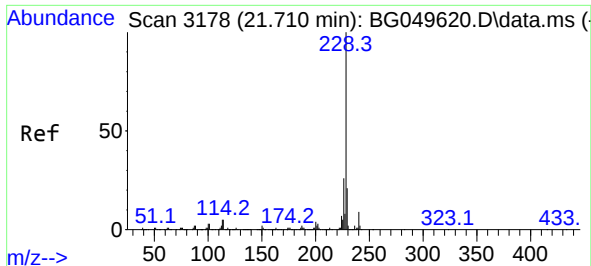
#79
Terphenyl-d14
Concen: 69.084 ng
RT: 20.049 min Scan# 2896
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



Tgt Ion:244 Resp: 658780

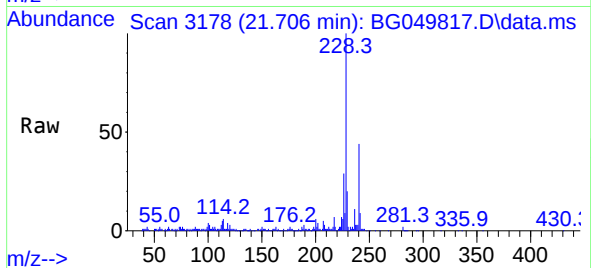
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	6.4	5.0	7.6





#81
Benzo(a)anthracene
Concen: 10.582 ng
RT: 21.706 min Scan# 3178
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

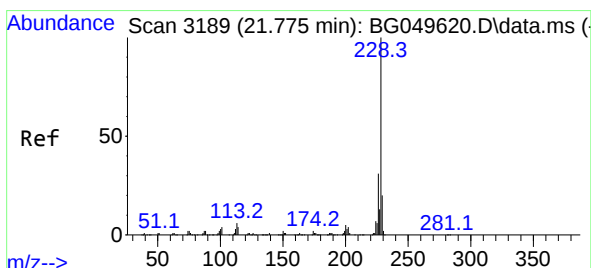
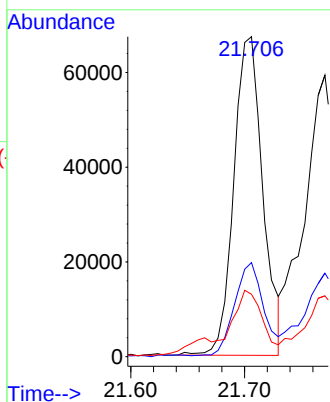
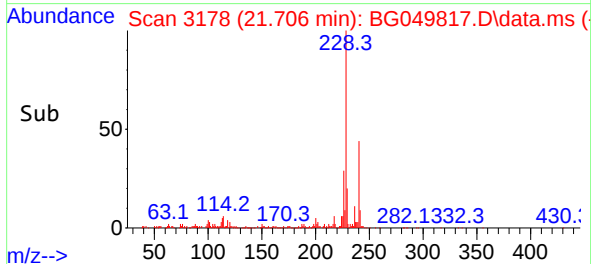
Instrument :
BNA_G
ClientSampleId :
124042



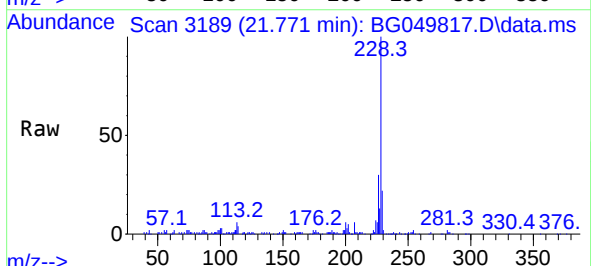
Tgt Ion:228 Resp: 119355
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 19.5 16.0 24.0

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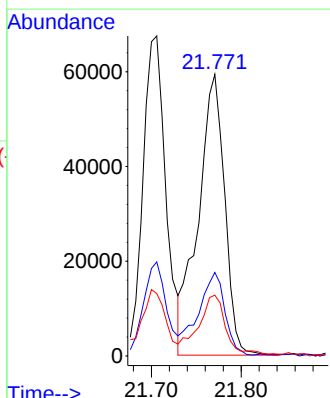
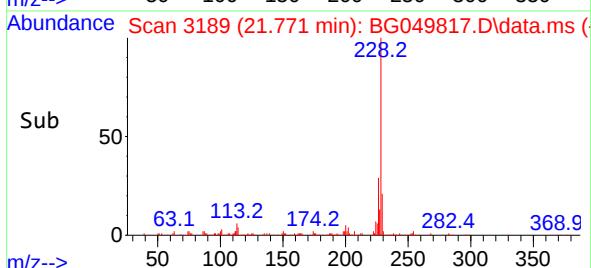
mohammad
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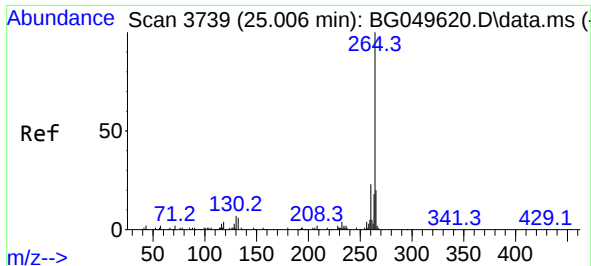


#83
Chrysene
Concen: 11.278 ng
RT: 21.771 min Scan# 3189
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



Tgt Ion:228 Resp: 121597
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 21.6 15.3 22.9





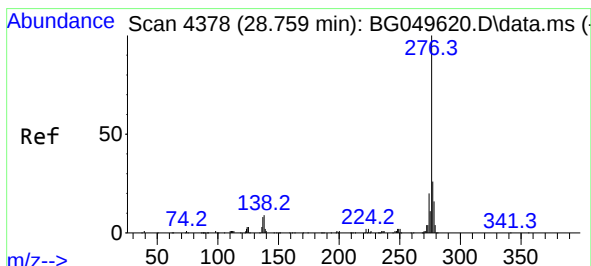
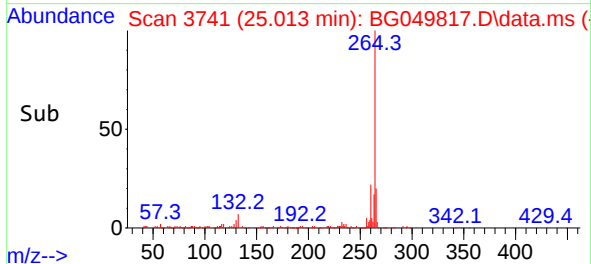
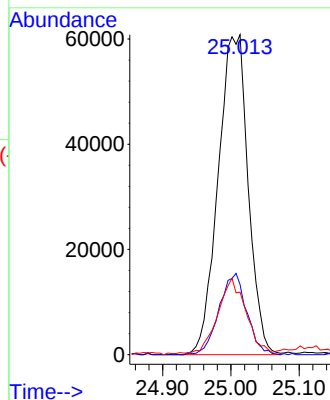
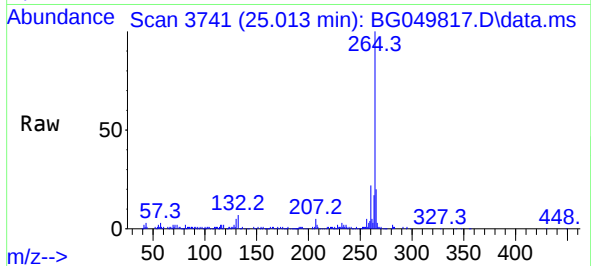
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.013 min Scan# 3741
Delta R.T. 0.008 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

Tgt Ion:264 Resp: 185987
Ion Ratio Lower Upper
264 100
260 21.9 19.4 29.2
265 19.6 16.9 25.3

Instrument :
BNA_G
ClientSampled :
124042

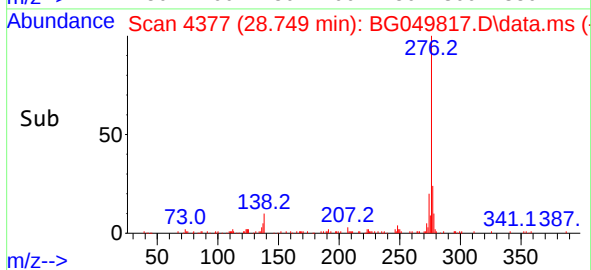
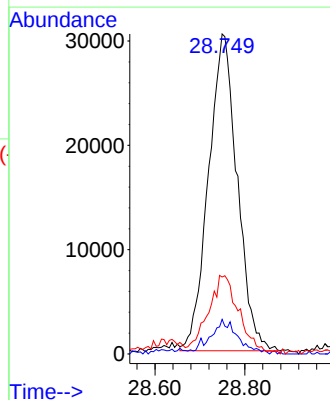
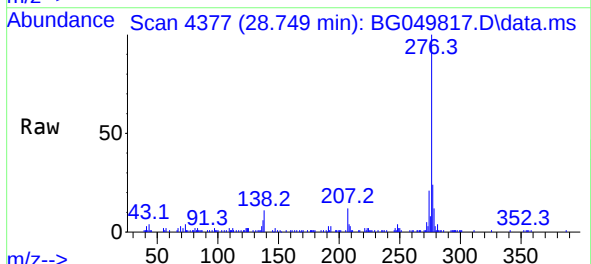
Manual Integrations
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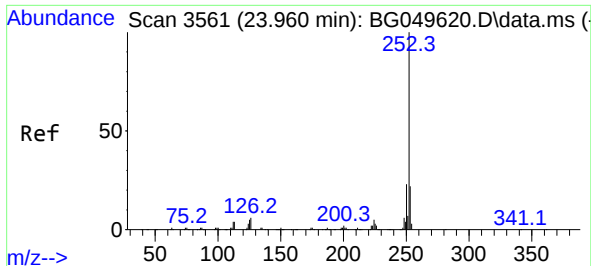
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 10.101 ng
RT: 28.749 min Scan# 4377
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

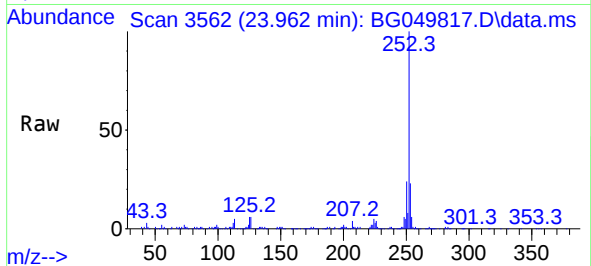
Tgt Ion:276 Resp: 135486
Ion Ratio Lower Upper
276 100
138 9.2 5.1 7.7#
277 27.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 20.018 ng
RT: 23.962 min Scan# 3562
Delta R.T. 0.002 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

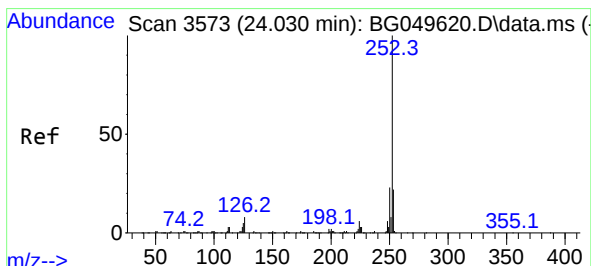
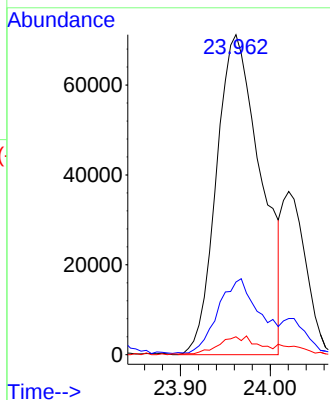
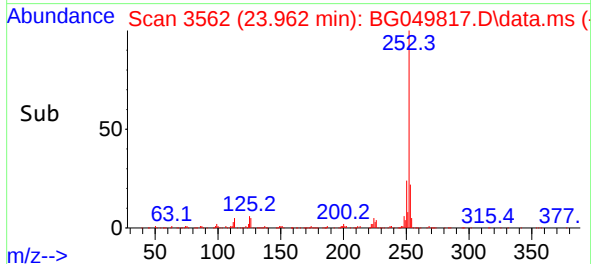
Instrument :
BNA_G
ClientSampleId :
124042



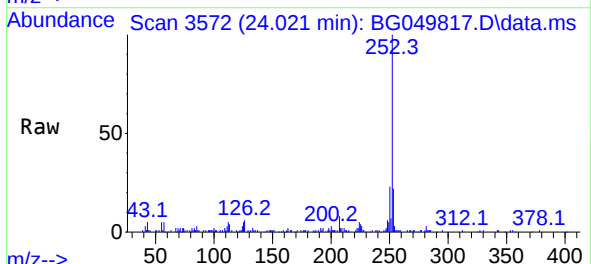
Tgt Ion:252 Resp: 244174
Ion Ratio Lower Upper
252 100
253 22.7 16.2 24.4
125 5.6 3.0 4.4#

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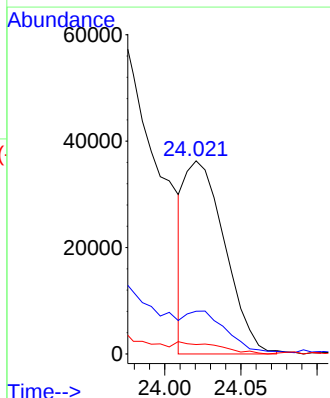
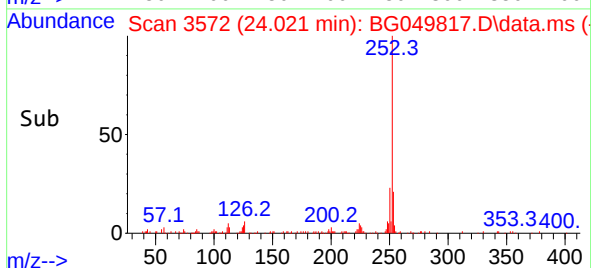
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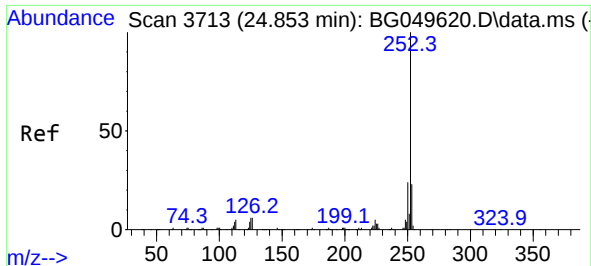


#89
Benzo(k)fluoranthene
Concen: 5.826 ng m
RT: 24.021 min Scan# 3572
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



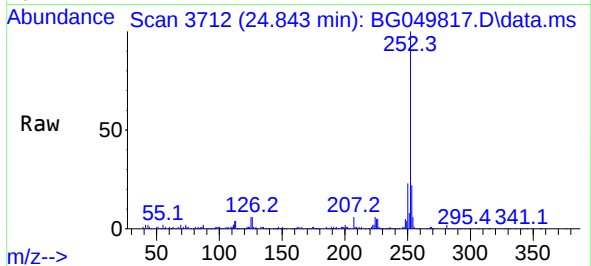
Tgt Ion:252 Resp: 66289
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 4.9 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 15.321 ng
RT: 24.843 min Scan# 3712
Delta R.T. -0.010 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

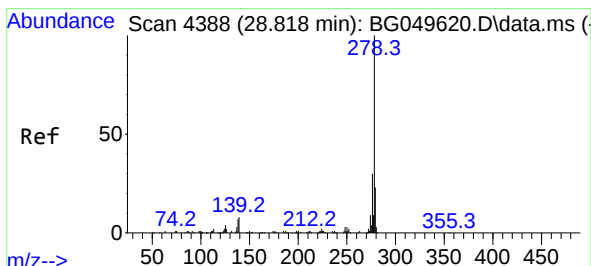
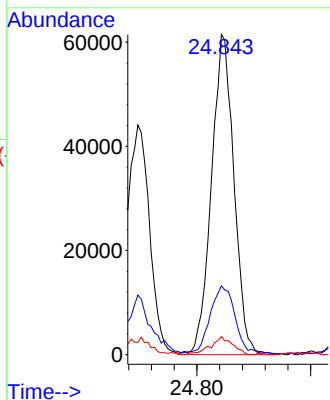
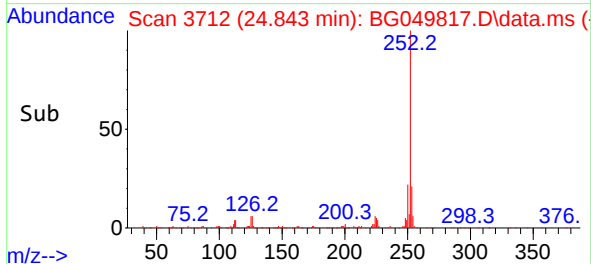
Instrument :
BNA_G
ClientSampleId :
124042



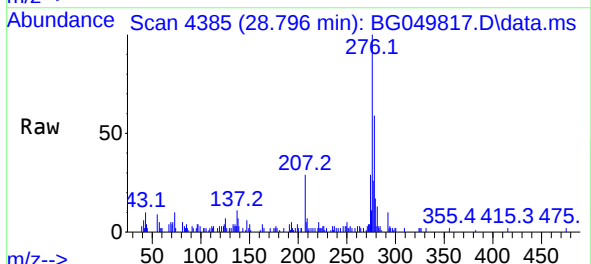
Tgt Ion:252 Resp: 169125
Ion Ratio Lower Upper
252 100
253 21.6 16.6 25.0
125 5.7 3.5 5.3#

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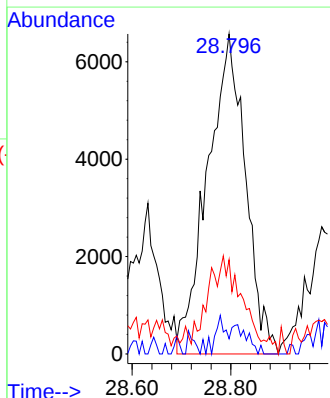
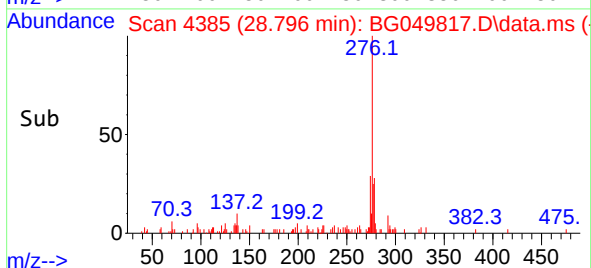
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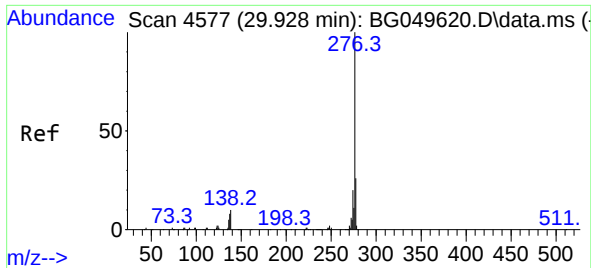


#91
Dibenzo(a,h)anthracene
Concen: 3.105 ng m
RT: 28.796 min Scan# 4385
Delta R.T. -0.022 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22



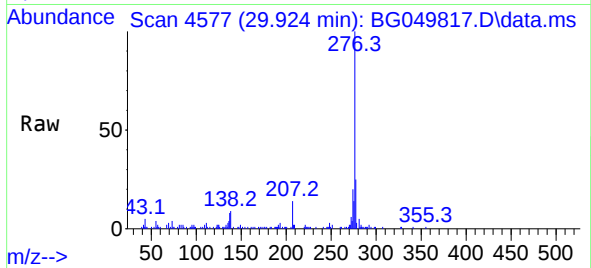
Tgt Ion:278 Resp: 35098
Ion Ratio Lower Upper
278 100
139 4.8 4.6 6.8
279 29.4 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 12.834 ng
RT: 29.924 min Scan# 4577
Delta R.T. -0.004 min
Lab File: BG049817.D
Acq: 12 Aug 2021 14:22

Instrument :
BNA_G
ClientSampleId :
124042



Tgt Ion:	276	Resp:	142116
Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.4	27.6
138	9.2	7.0	10.6

Manual Integrations
APPROVED

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