

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054554.D
 Acq On : 8 Aug 2022 15:26
 Operator : CG/JU
 Sample : N4023-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

Quant Time: Aug 08 15:58:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/09/2022
1) 1,4-Dichlorobenzene-d4	7.978	152	20129	20.000	ng	0.00	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.786	136	78243	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.617	164	56884	20.000	ng	0.00	
64) Phenanthrene-d10	17.367	188	133958	20.000	ng	# 0.00	
76) Chrysene-d12	21.644	240	144313	20.000	ng	# 0.01	
86) Perylene-d12	24.858	264	157623	20.000	ng	0.02	08/09/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	115202	119.493	ng	0.00	
7) Phenol-d6	7.185	99	154428	116.899	ng	0.00	
23) Nitrobenzene-d5	9.147	82	103497	72.034	ng	0.00	
42) 2,4,6-Tribromophenol	16.115	330	126179	105.646	ng	0.00	
45) 2-Fluorobiphenyl	13.236	172	306830	76.092	ng	0.00	
79) Terphenyl-d14	19.981	244	552860	75.999	ng	0.01	
Target Compounds							Qvalue
31) Naphthalene	10.839	128	10888	2.772	ng		96
52) Acenaphthene	14.682	154	12234	4.175	ng		93
55) Dibenzofuran	15.017	168	15201	2.915	ng	#	95
58) Fluorene	15.669	166	16345	3.813	ng		94
71) Phenanthrene	17.414	178	323560	48.502	ng		96
72) Anthracene	17.502	178	67700	10.342	ng		97
73) Carbazole	17.778	167	39959	7.414	ng		98
75) Fluoranthene	19.429	202	591904	65.089	ng		94
78) Pyrene	19.793	202	523846	63.262	ng		96
81) Benzo(a)anthracene	21.626	228	325581	35.540	ng		97
83) Chrysene	21.691	228	309529	35.763	ng		95
87) Indeno(1,2,3-cd)pyrene	28.548	276	202584	16.895	ng		96
88) Benzo(b)fluoranthene	23.842	252	421887	45.259	ng	#	97
89) Benzo(k)fluoranthene	23.900	252	144250m	15.549	ng		
90) Benzo(a)pyrene	24.705	252	301320	37.851	ng		99
91) Dibenzo(a,h)anthracene	28.583	278	51854	5.259	ng		94
92) Benzo(g,h,i)perylene	29.705	276	180396	18.537	ng	#	94

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

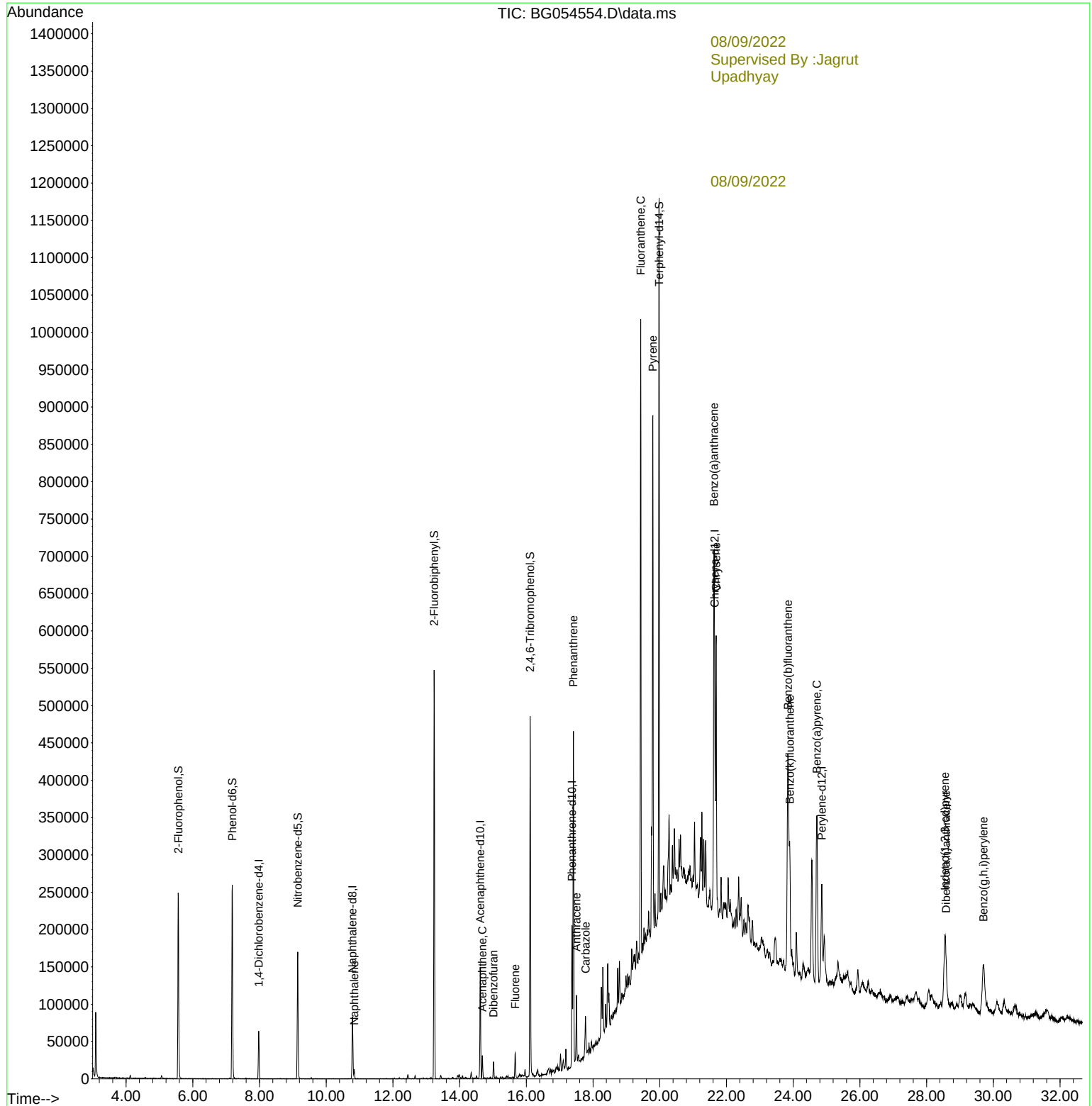
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

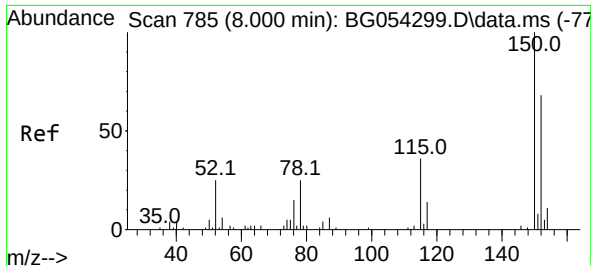
Instrument :
BNA_G
ClientSampleId :
TP2-1-6

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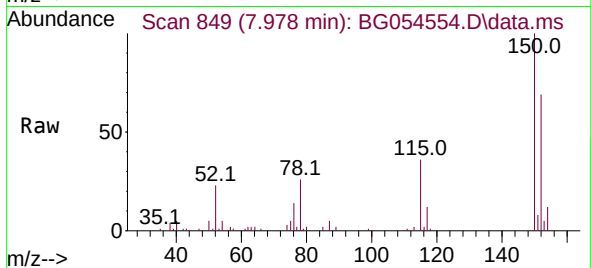
Quant Time: Aug 08 15:58:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

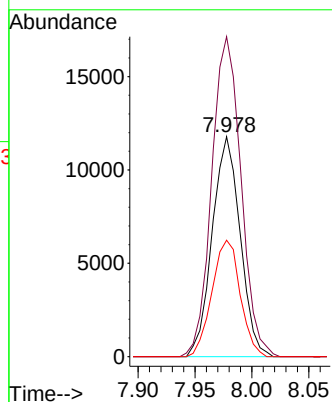
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:152 Resp: 20129
Ion Ratio Lower Upper
152 100
150 145.5 131.6 197.4
115 52.9 50.9 76.3

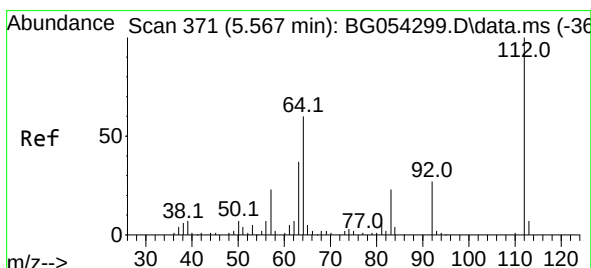
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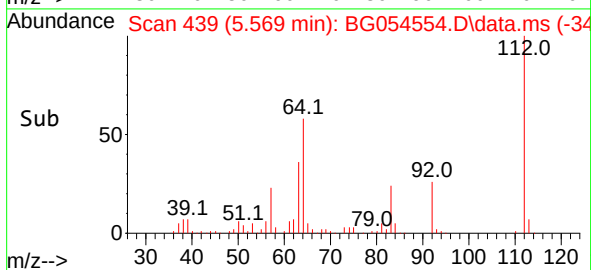
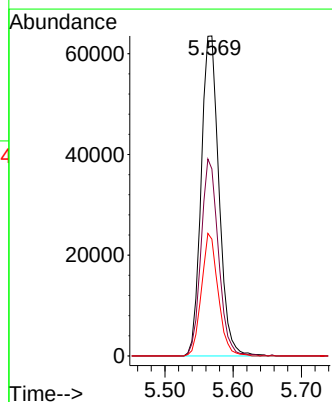
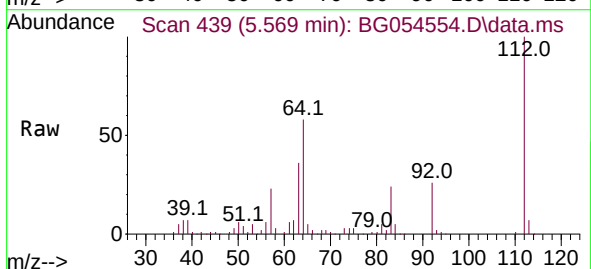
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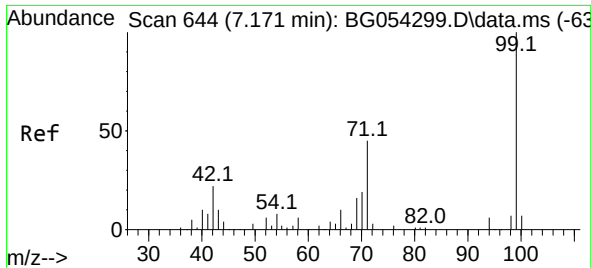
08/09/2022



#5
2-Fluorophenol
Concen: 119.493 ng
RT: 5.569 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

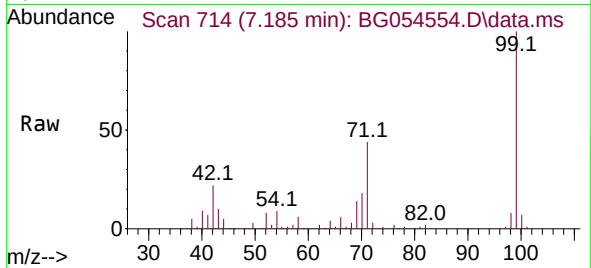
Tgt Ion:112 Resp: 115202
Ion Ratio Lower Upper
112 100
64 58.4 55.1 82.7
63 36.5 30.4 45.6





#7
Phenol-d6
Concen: 116.899 ng
RT: 7.185 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

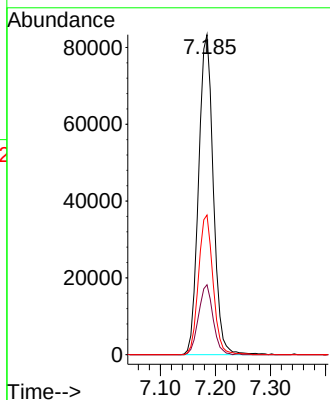
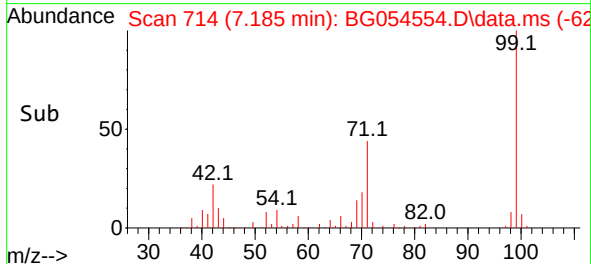
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion: 99 Resp: 154428
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.6 33.8 50.8

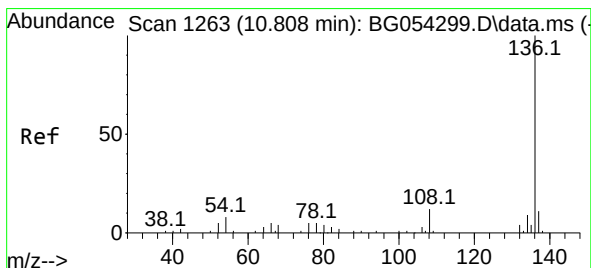
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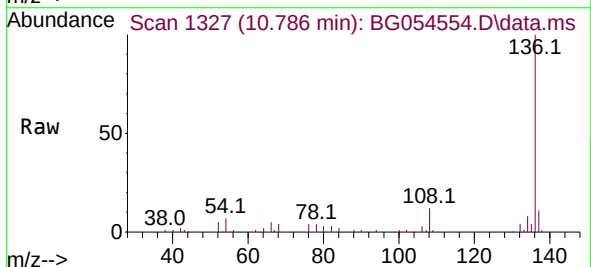


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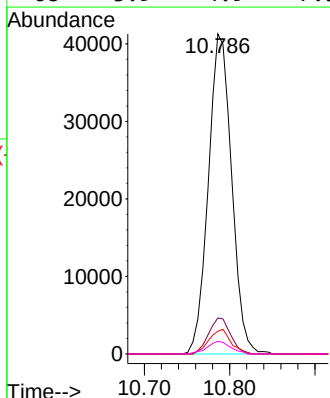
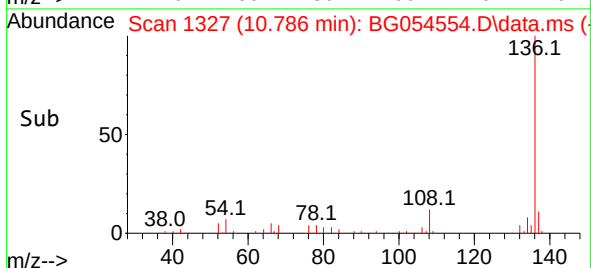
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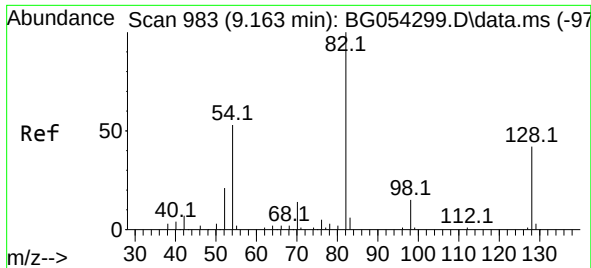


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26



Tgt Ion:136 Resp: 78243
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.1 7.4 11.2#
68 3.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 72.034 ng
RT: 9.147 min Scan# 1048
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Instrument :

BNA_G

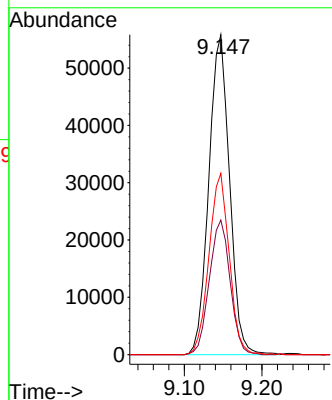
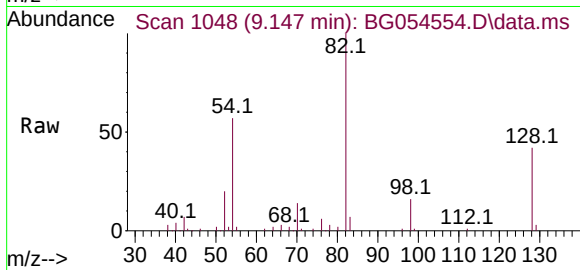
ClientSampleId :

TP2-1-6

Tgt Ion: 82 Resp: 103497
Ion Ratio Lower Upper
82 100
128 42.0 27.9 41.9
54 56.6 41.2 61.8

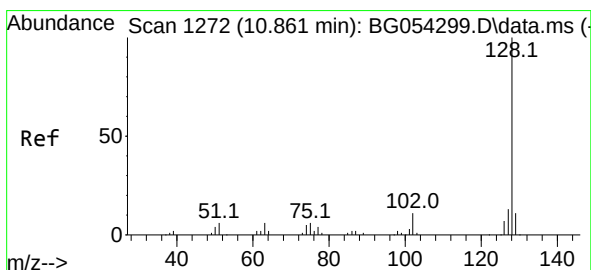
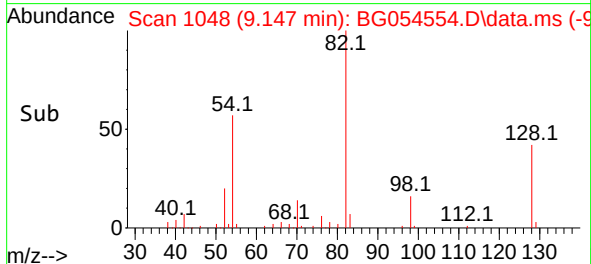
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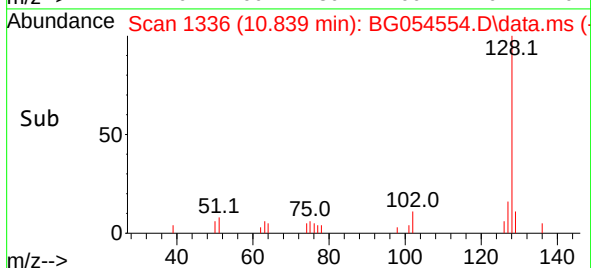
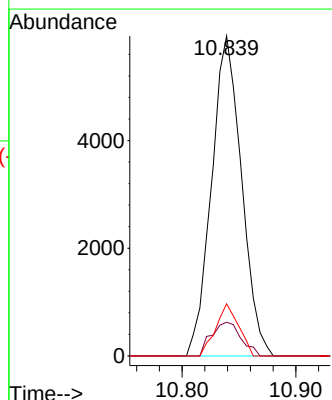
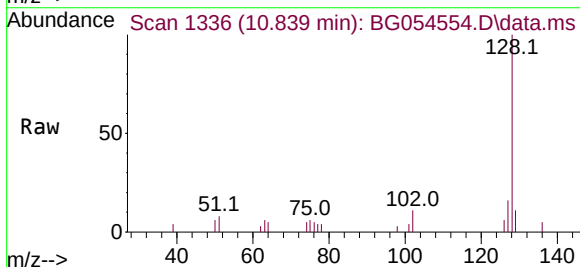
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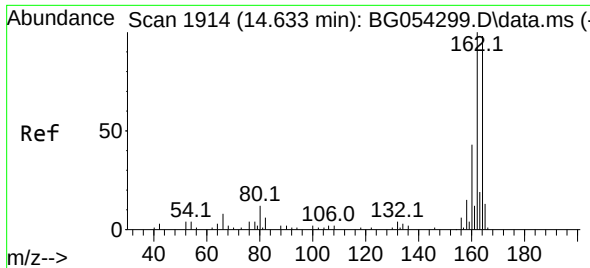
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#31
Naphthalene
Concen: 2.772 ng
RT: 10.839 min Scan# 1336
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

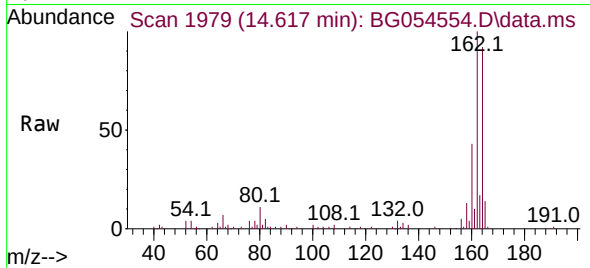
Tgt Ion:128 Resp: 10888
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 16.3 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.617 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

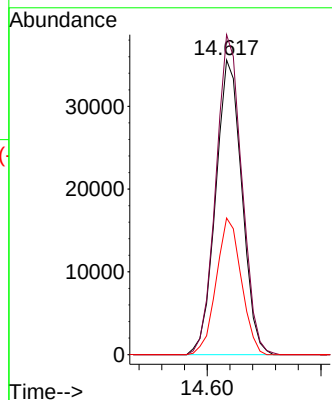
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:164 Resp: 56884
Ion Ratio Lower Upper
164 100
162 108.6 82.3 123.5
160 46.4 34.2 51.2

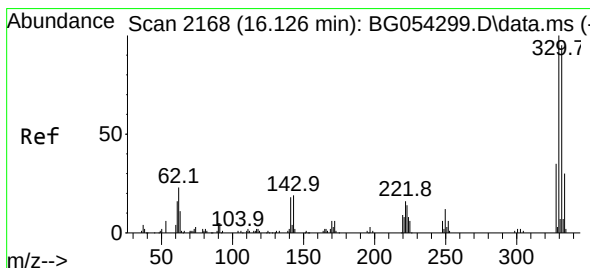
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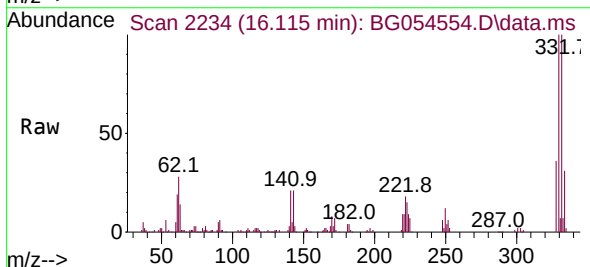


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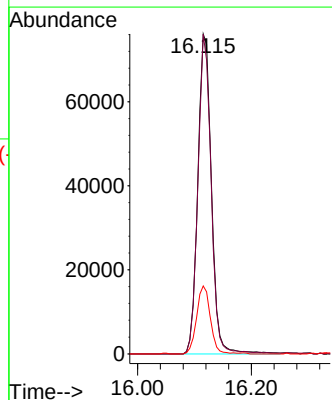
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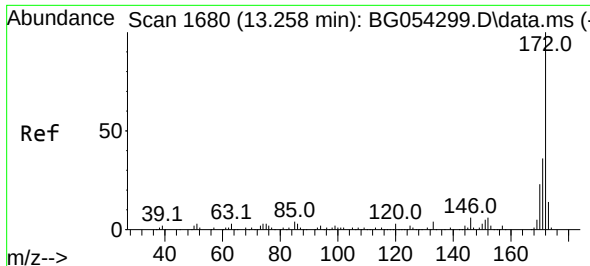


#42
2,4,6-Tribromophenol
Concen: 105.646 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26



Tgt Ion:330 Resp: 126179
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 21.5 27.1 40.7#





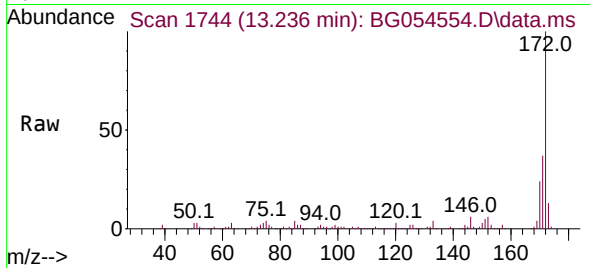
#45
2-Fluorobiphenyl
Concen: 76.092 ng
RT: 13.236 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Instrument :

BNA_G

ClientSampleId :

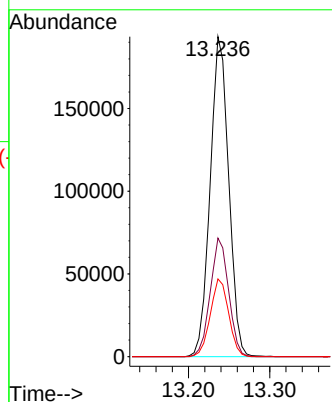
TP2-1-6



Tgt Ion:172 Resp: 306830
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.3 18.9 28.3

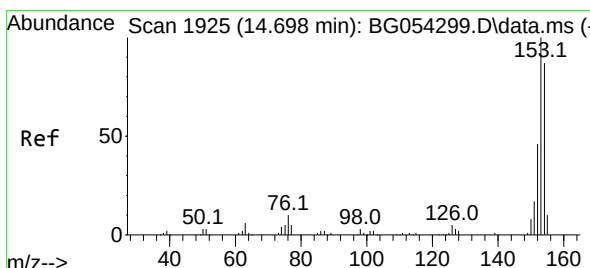
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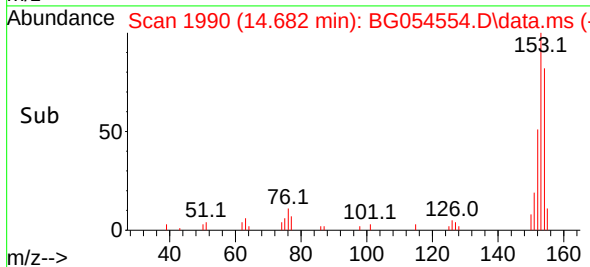
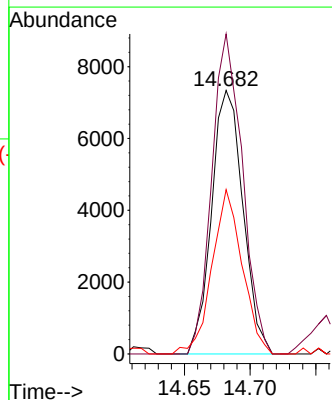
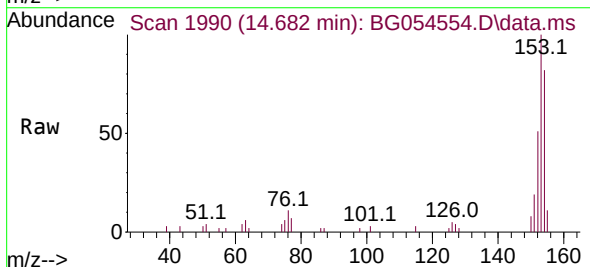
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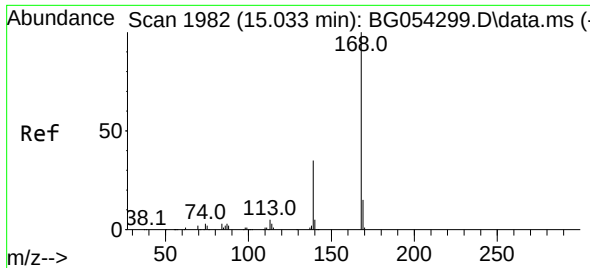
08/09/2022



#52
Acenaphthene
Concen: 4.175 ng
RT: 14.682 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:154 Resp: 12234
Ion Ratio Lower Upper
154 100
153 121.4 92.7 139.1
152 62.3 42.6 64.0





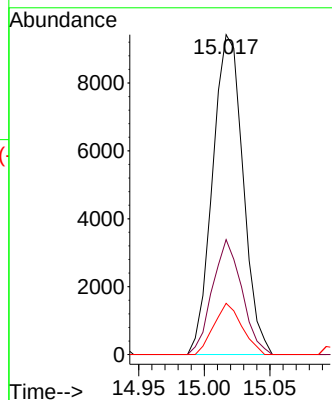
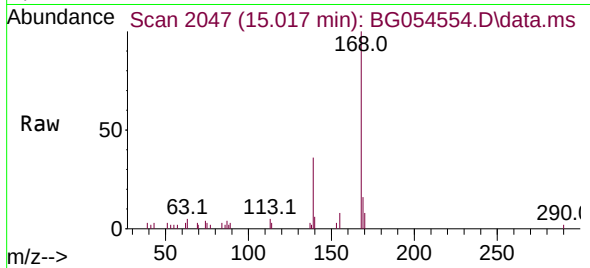
#55
Dibenzenofuran
Concen: 2.915 ng
RT: 15.017 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Tgt Ion:168 Resp: 1520
Ion Ratio Lower Upper
168 100
139 35.9 30.5 45.7
169 16.0 10.3 15.5

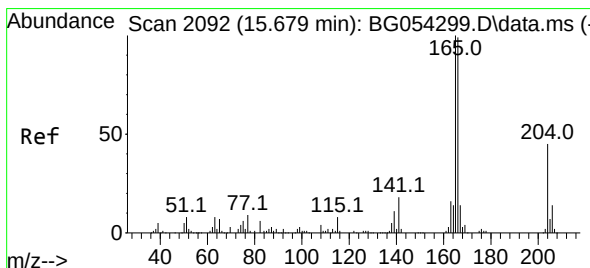
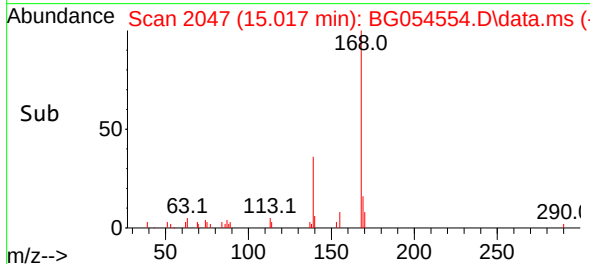
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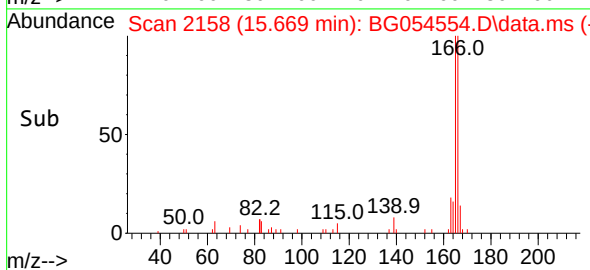
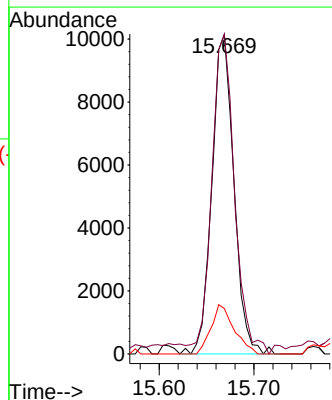
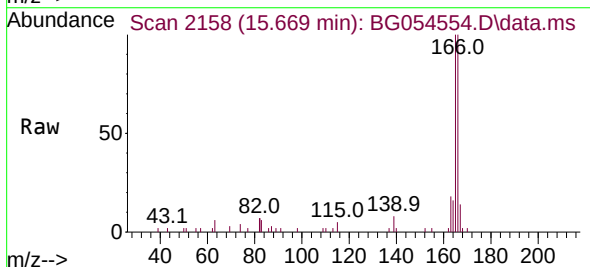
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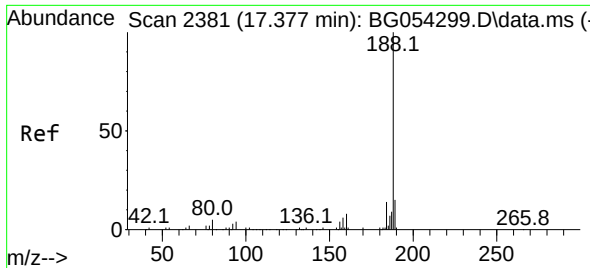
08/09/2022



#58
Fluorene
Concen: 3.813 ng
RT: 15.669 min Scan# 2158
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:166 Resp: 16345
Ion Ratio Lower Upper
166 100
165 100.2 75.0 112.6
167 14.2 10.8 16.2





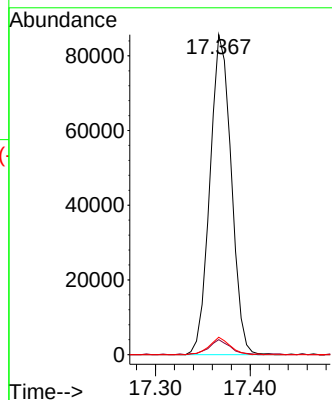
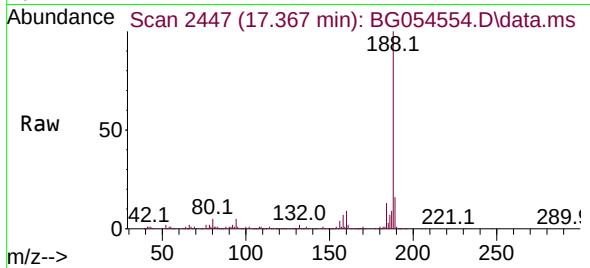
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Tgt Ion:188 Resp: 133958
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0
80 5.4 6.8 10.2

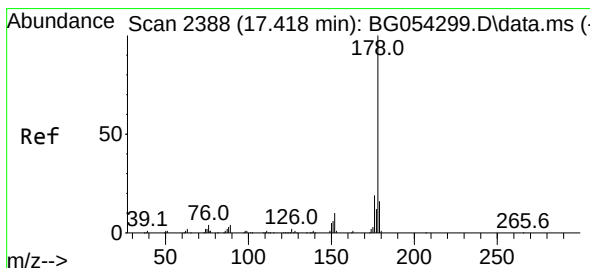
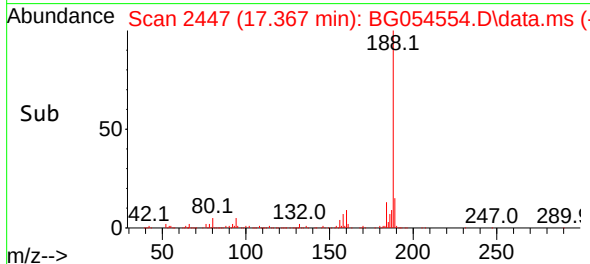
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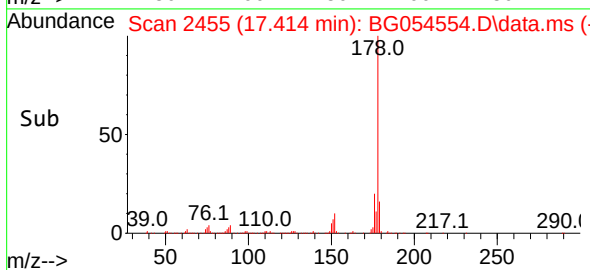
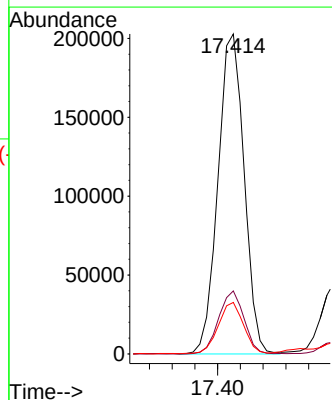
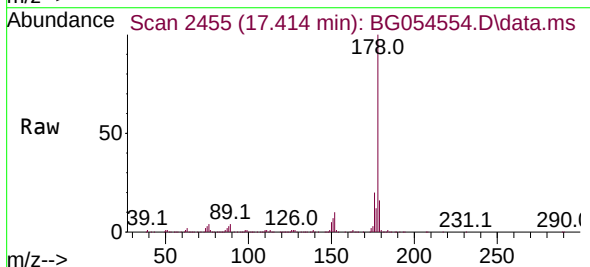
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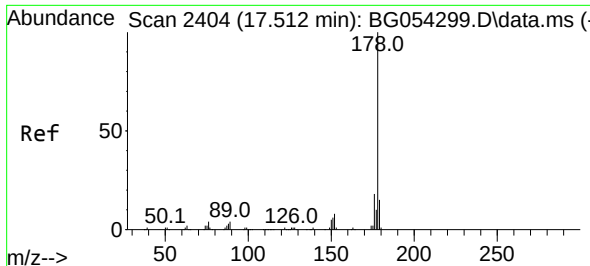
08/09/2022



#71
Phenanthrene
Concen: 48.502 ng
RT: 17.414 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

Tgt Ion:178 Resp: 323560
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.1 12.1 18.1





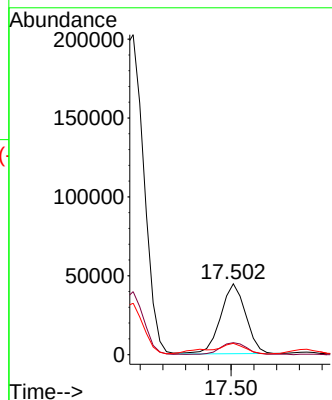
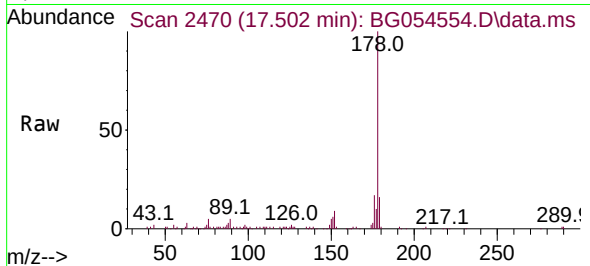
#72
 Anthracene
 Concen: 10.342 ng
 RT: 17.502 min Scan# 2404
 Delta R.T. 0.005 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6

Tgt Ion:178 Resp: 67700
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.2 22.8
 179 15.9 13.0 19.4

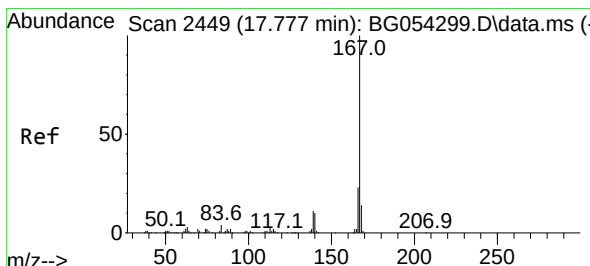
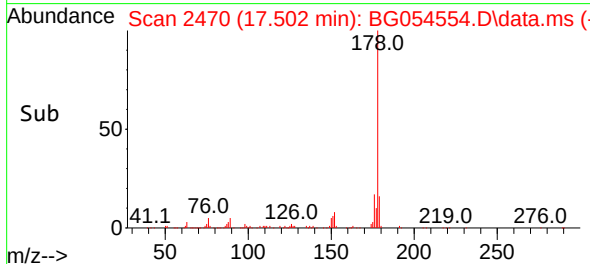
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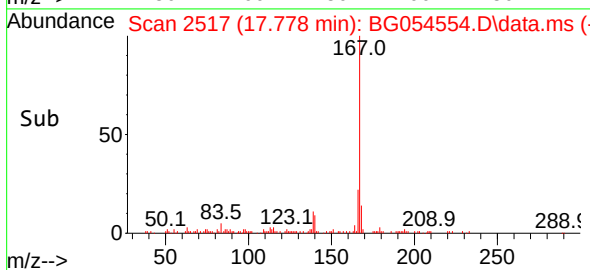
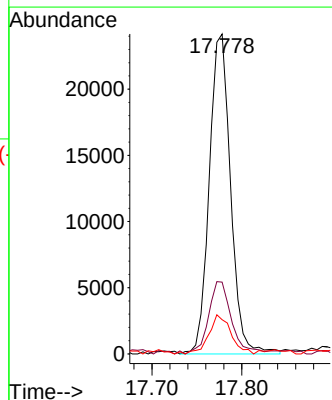
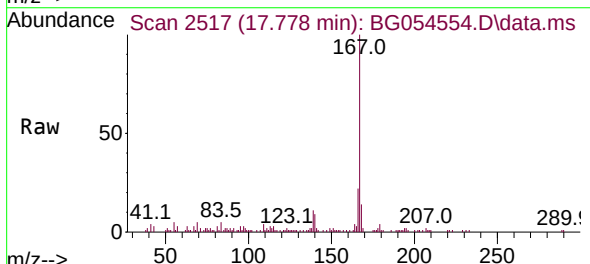
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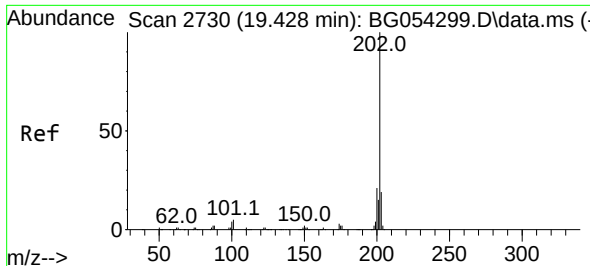
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#73
 Carbazole
 Concen: 7.414 ng
 RT: 17.778 min Scan# 2517
 Delta R.T. 0.005 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

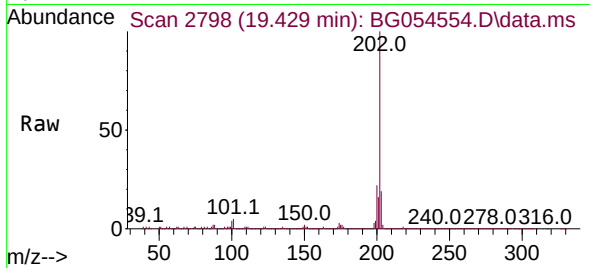
Tgt Ion:167 Resp: 39959
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.2
 139 10.7 10.1 15.1





#75
Fluoranthene
Concen: 65.089 ng
RT: 19.429 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

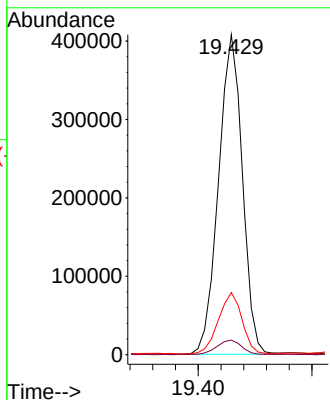
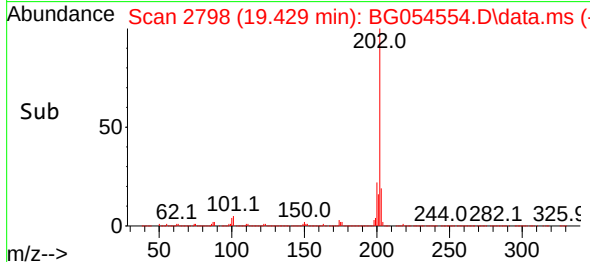
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:202 Resp: 591904
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.4 0.0 37.2

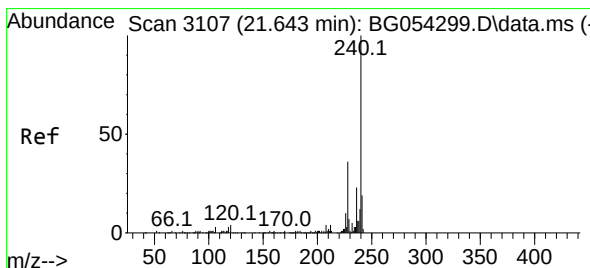
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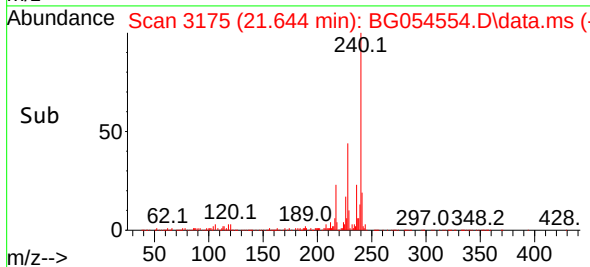
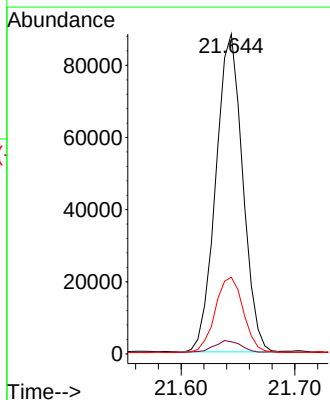
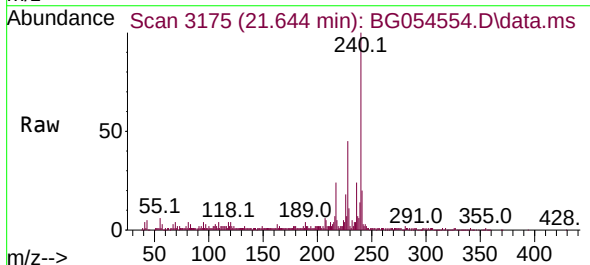
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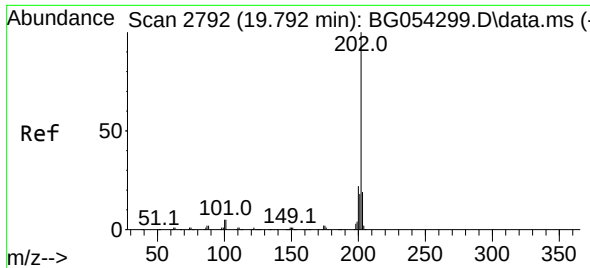
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.644 min Scan# 3175
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

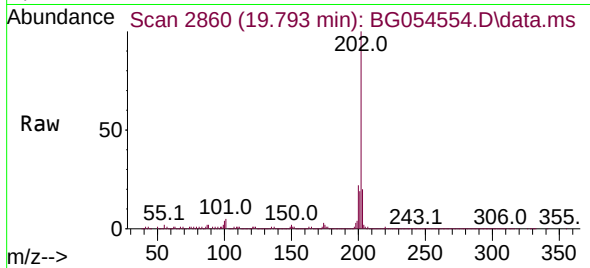
Tgt Ion:240 Resp: 144313
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 24.0 20.2 30.4





#78
Pyrene
Concen: 63.262 ng
RT: 19.793 min Scan# 2860
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

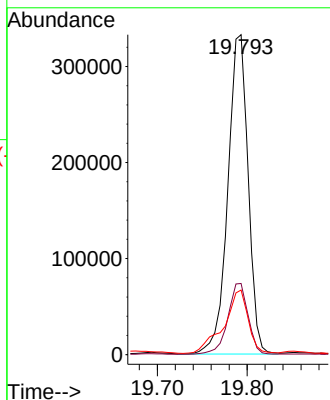
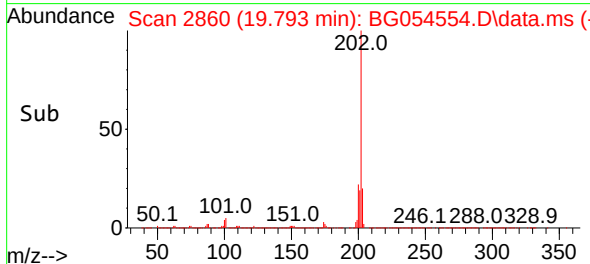
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:202 Resp: 523846
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 20.2 14.6 21.8

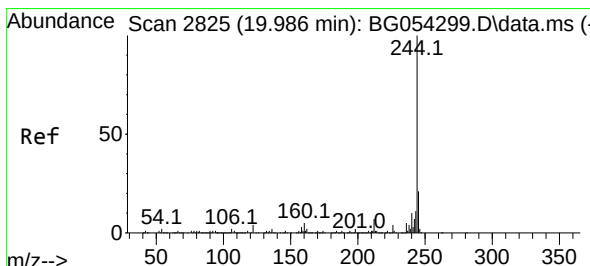
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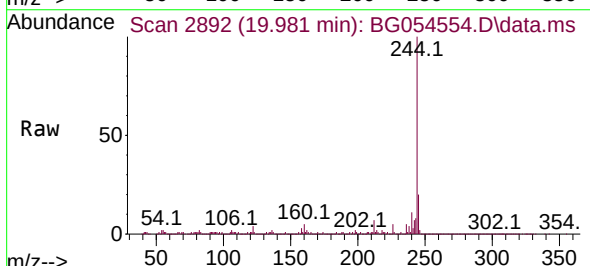


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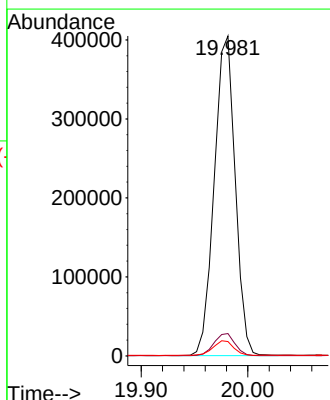
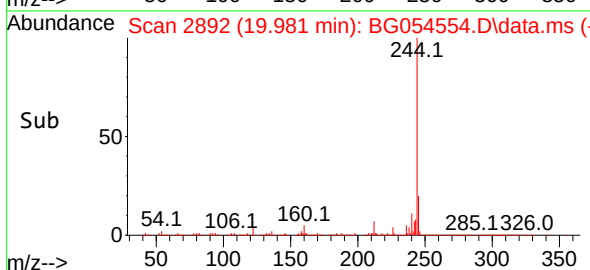
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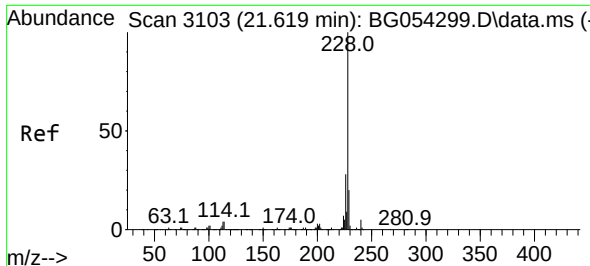


#79
Terphenyl-d14
Concen: 75.999 ng
RT: 19.981 min Scan# 2892
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26



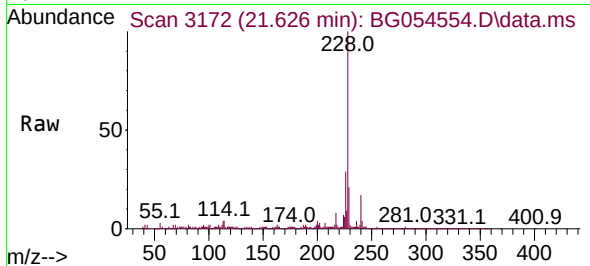
Tgt Ion:244 Resp: 552860
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.5 5.0 7.4





#81
Benzo(a)anthracene
Concen: 35.540 ng
RT: 21.626 min Scan# 3103
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

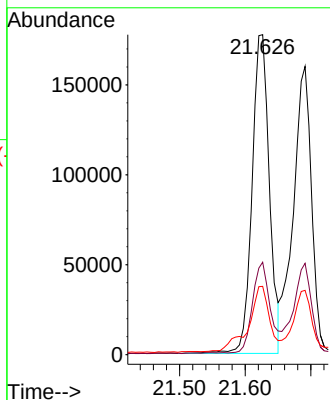
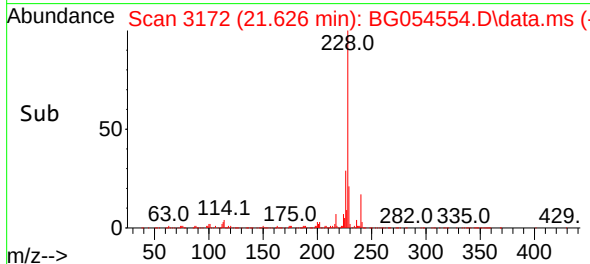
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:228 Resp: 325581
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 21.3 16.2 24.2

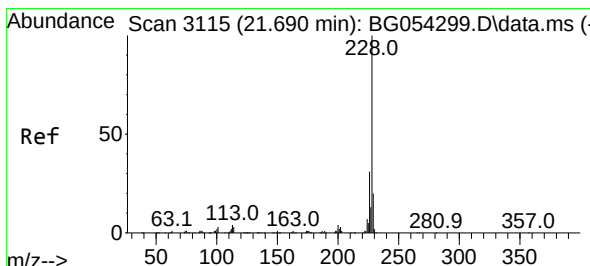
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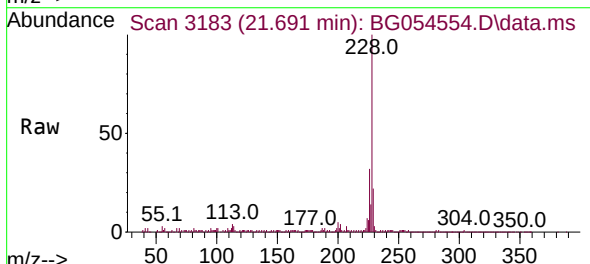


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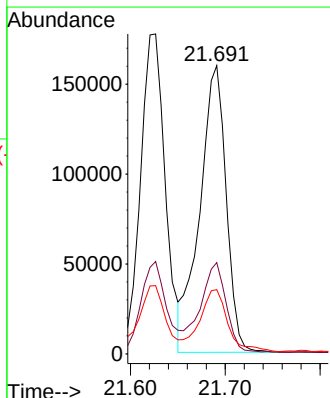
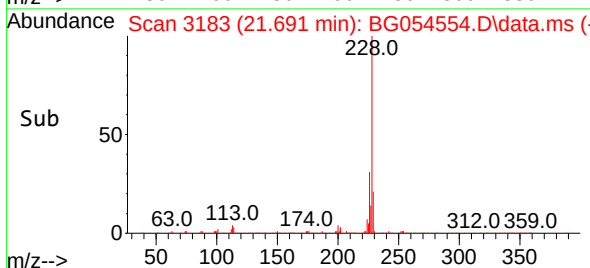
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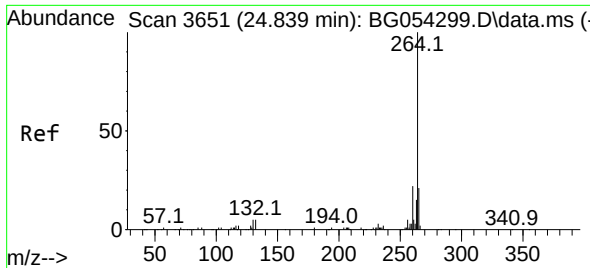


#83
Chrysene
Concen: 35.763 ng
RT: 21.691 min Scan# 3183
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26



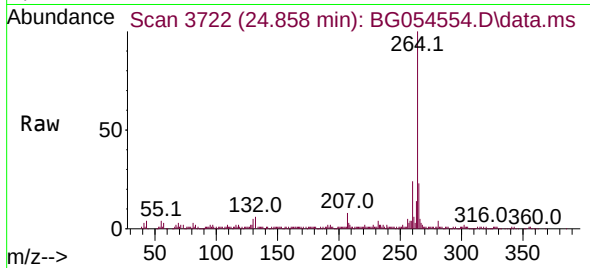
Tgt Ion:228 Resp: 309529
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 22.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.858 min Scan# 31
 Delta R.T. 0.023 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

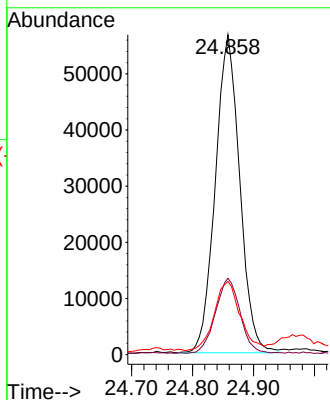
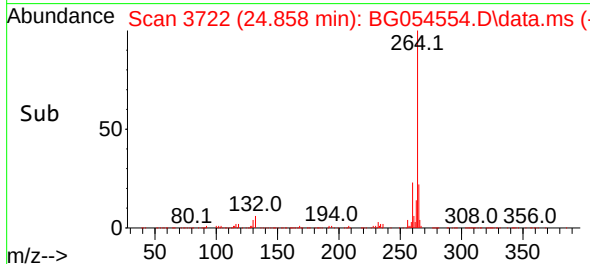
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6



Tgt Ion:264 Resp: 157623
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 22.9 17.4 26.2

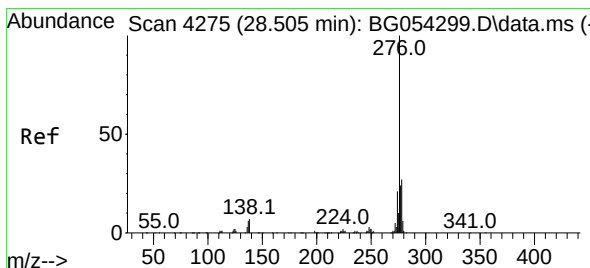
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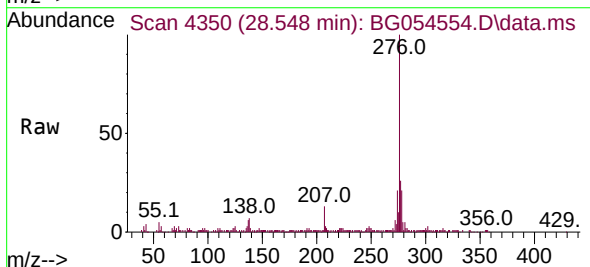


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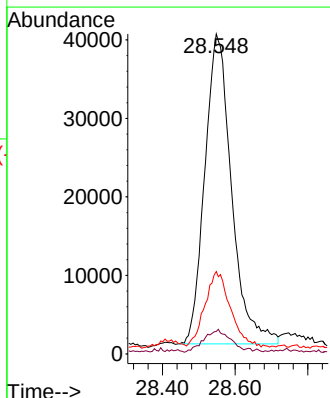
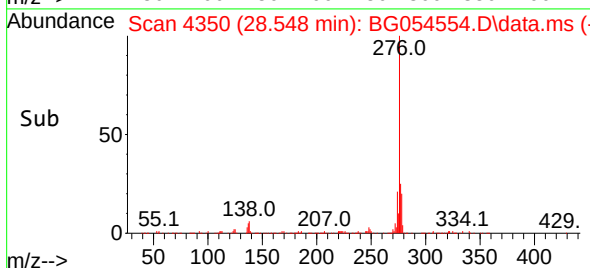
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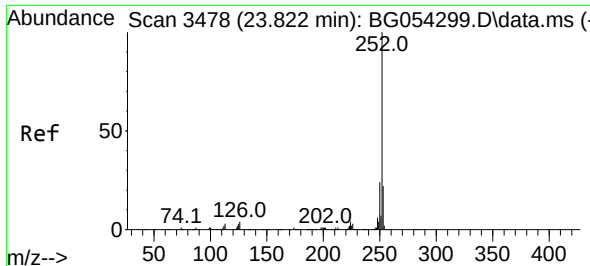


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.895 ng
 RT: 28.548 min Scan# 4350
 Delta R.T. 0.017 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26



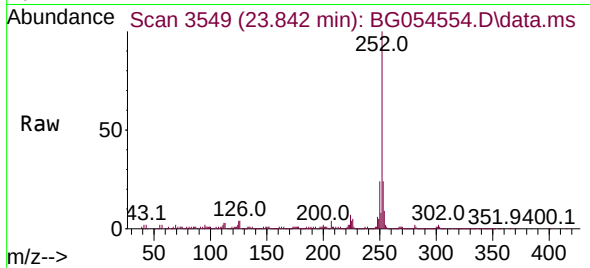
Tgt Ion:276 Resp: 202584
 Ion Ratio Lower Upper
 276 100
 138 7.1 5.0 7.4
 277 23.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 45.259 ng
RT: 23.842 min Scan# 3549
Delta R.T. 0.023 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

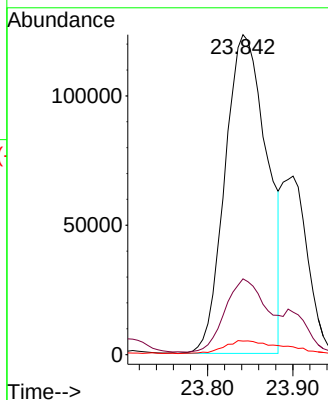
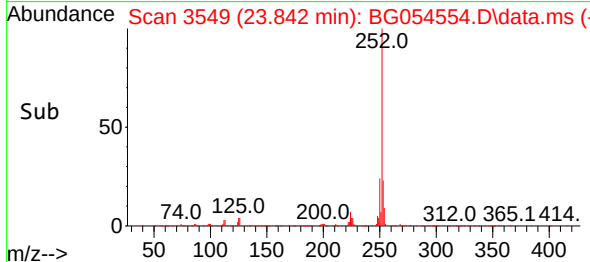
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:252 Resp: 42188
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 4.3 4.6 6.8

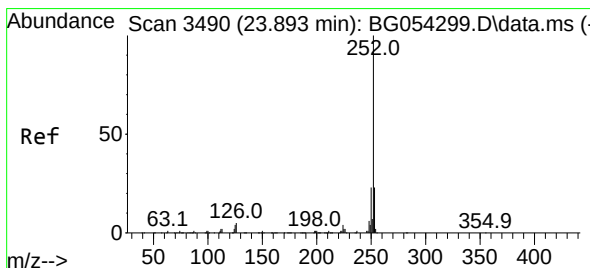
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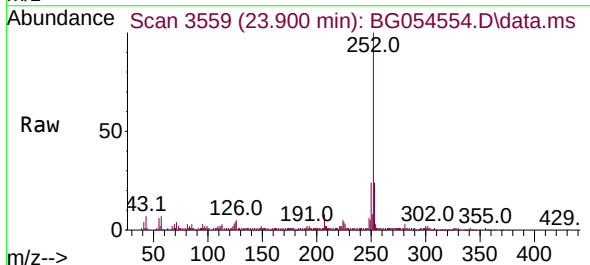


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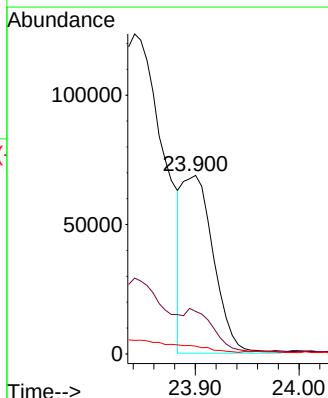
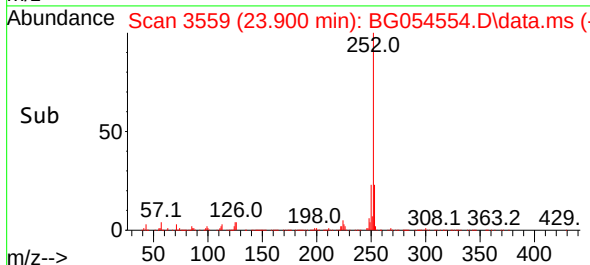
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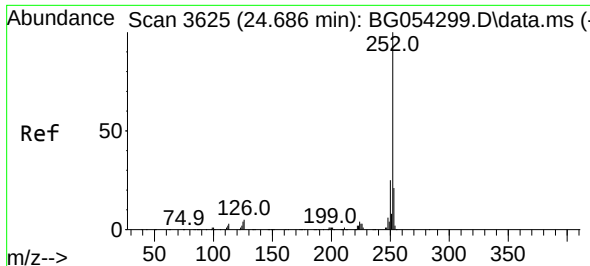


#89
Benzo(k)fluoranthene
Concen: 15.549 ng m
RT: 23.900 min Scan# 3559
Delta R.T. 0.017 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26



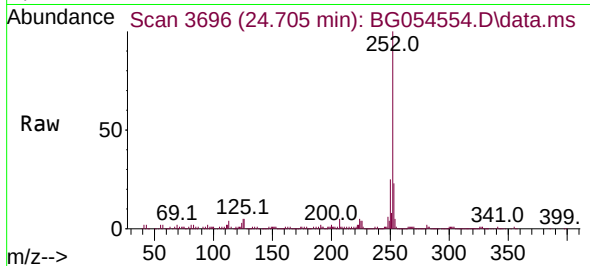
Tgt Ion:252 Resp: 144250
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 4.3 4.8 7.2





#90
Benzo(a)pyrene
Concen: 37.851 ng
RT: 24.705 min Scan# 301320
Delta R.T. 0.017 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

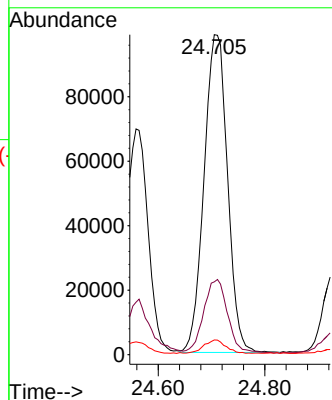
Instrument :
BNA_G
ClientSampleId :
TP2-1-6



Tgt Ion:252 Resp: 301320
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 4.6 4.3 6.5

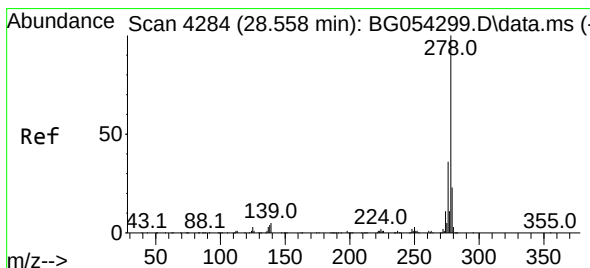
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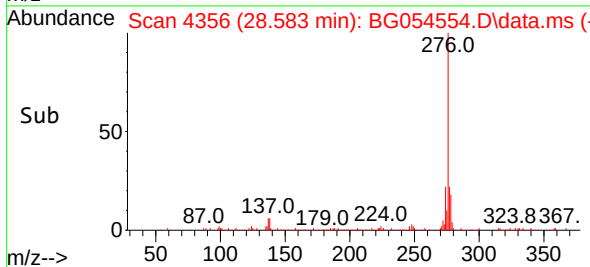
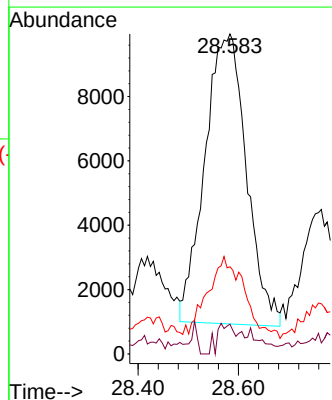
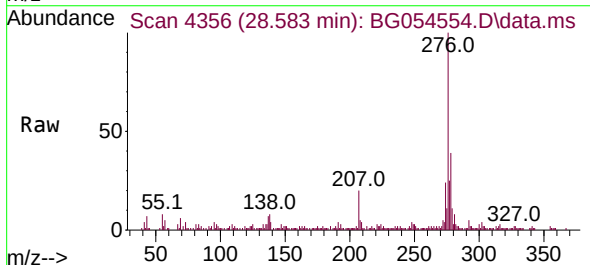
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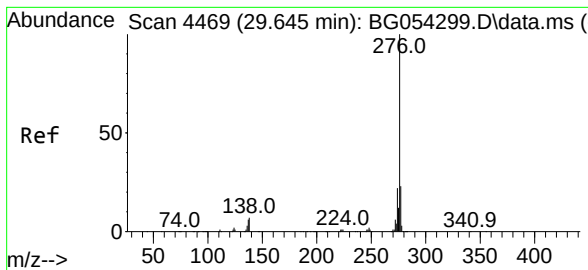
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#91
Dibenzo(a,h)anthracene
Concen: 5.259 ng
RT: 28.583 min Scan# 4356
Delta R.T. 0.011 min
Lab File: BG054554.D
Acq: 8 Aug 2022 15:26

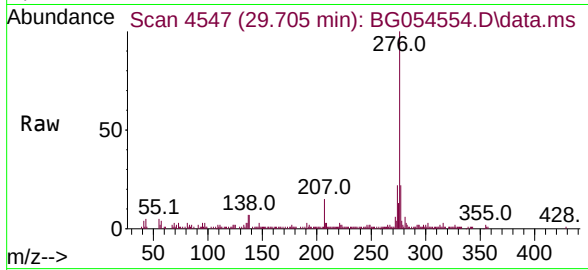
Tgt Ion:278 Resp: 51854
Ion Ratio Lower Upper
278 100
139 9.3 7.2 10.8
279 27.2 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 18.537 ng
 RT: 29.705 min Scan# 4547
 Delta R.T. 0.029 min
 Lab File: BG054554.D
 Acq: 8 Aug 2022 15:26

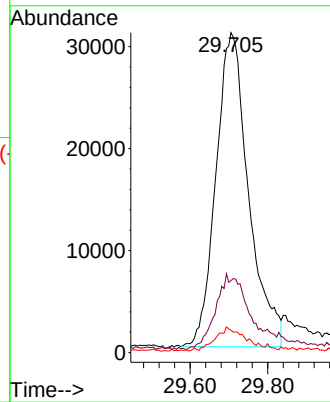
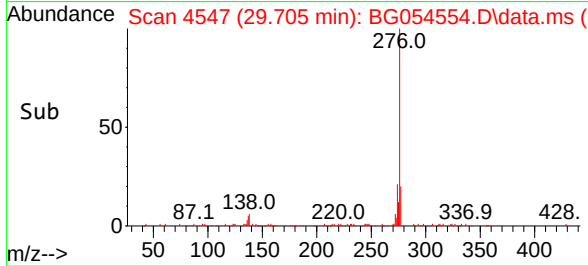
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6



Tgt Ion:276 Resp: 180396
 Ion Ratio Lower Upper
 276 100
 277 22.5 17.3 25.9
 138 7.0 9.6 14.4

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