

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
 Data File : BM032410.D
 Acq On : 09 Oct 2021 01:23
 Operator : CG/JU
 Sample : M4117-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-4(0-0.5)

Manual Integrations
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Quant Time: Oct 09 02:18:33 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 17:11:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	354241	20.00	ng	0.00
21) Naphthalene-d8	10.401	136	1393104	20.00	ng	# 0.00
39) Acenaphthene-d10	14.260	164	758480	20.00	ng	0.00
64) Phenanthrene-d10	16.989	188	1209838	20.00	ng	0.00
76) Chrysene-d12	21.153	240	881001	20.00	ng	0.00
86) Perylene-d12	23.300	264	1007526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	2239408	106.51	ng	0.00
7) Phenol-d6	6.813	99	2897263	100.77	ng	0.00
23) Nitrobenzene-d5	8.766	82	1813770	72.41	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	728304	85.77	ng	0.00
45) 2-Fluorobiphenyl	12.878	172	3663486	71.81	ng	0.00
79) Terphenyl-d14	19.607	244	3014988	72.07	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.977	152	379673	5.70	ng	100
58) Fluorene	15.301	166	122066	2.40	ng	98
71) Phenanthrene	17.030	178	2064219	32.51	ng	100
72) Anthracene	17.118	178	533789	8.60	ng	99
73) Carbazole	17.383	167	170634	2.77	ng	98
75) Fluoranthene	19.042	202	3446541	48.95	ng	96
78) Pyrene	19.401	202	3620798	60.61	ng	98
81) Benzo(a)anthracene	21.136	228	1738248	31.57	ng	95
83) Chrysene	21.189	228	2009361	37.72	ng	98
87) Indeno(1,2,3-cd)pyrene	25.418	276	1259947	20.29	ng	100
88) Benzo(b)fluoranthene	22.665	252	2387324m	38.95	ng	
89) Benzo(k)fluoranthene	22.700	252	854813m	14.28	ng	
90) Benzo(a)pyrene	23.206	252	1833952	36.90	ng	97
91) Dibenzo(a,h)anthracene	25.412	278	342304	6.54	ng	# 86
92) Benzo(g,h,i)perylene	26.077	276	1321151	25.53	ng	# 95

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

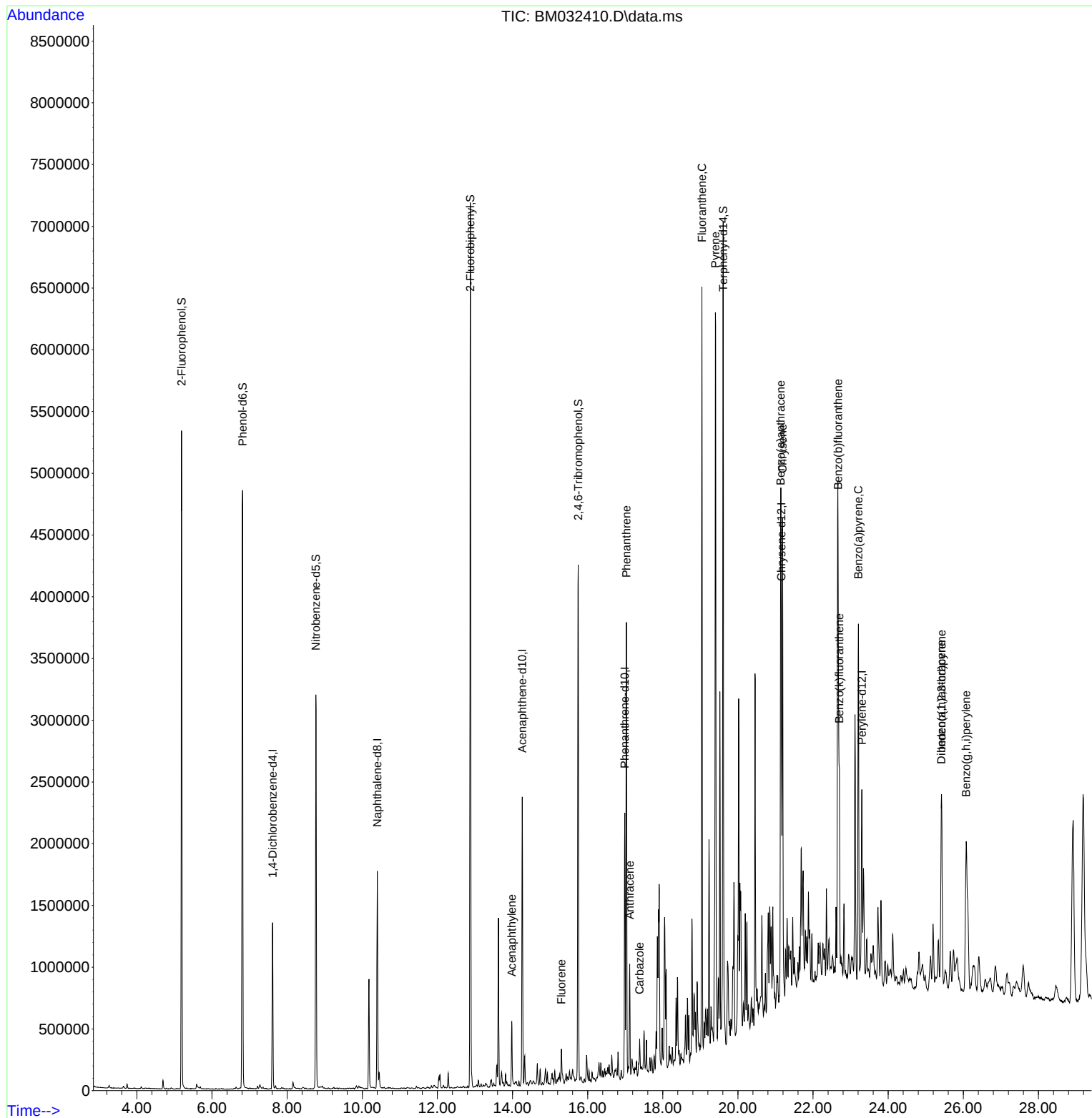
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Data File : BM032410.D
Acq On : 09 Oct 2021 01:23
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Misc :
ALS Vial : 18 Sample Multiplier: 1

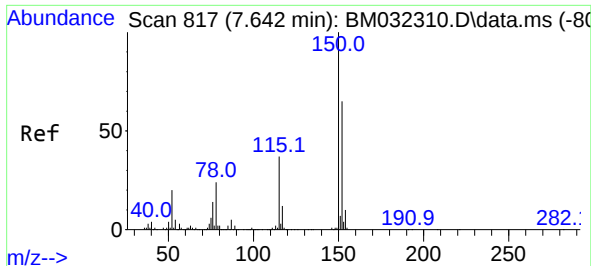
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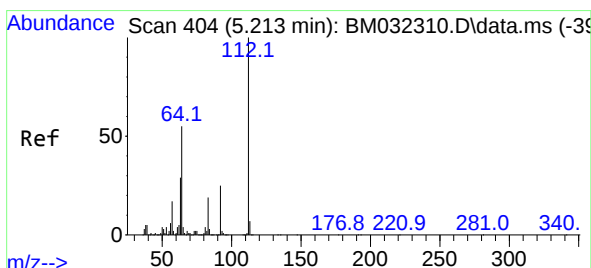
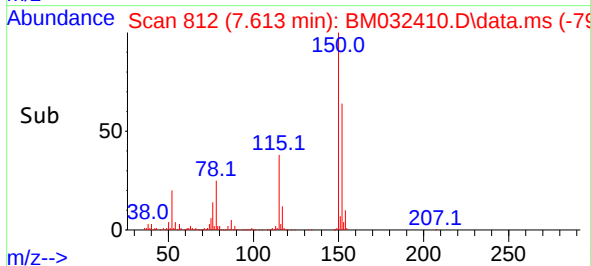
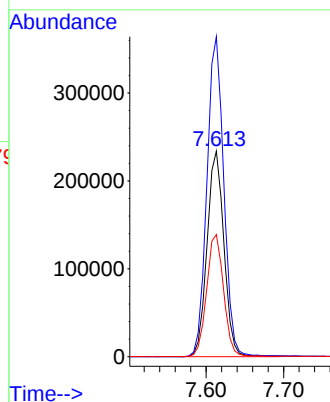
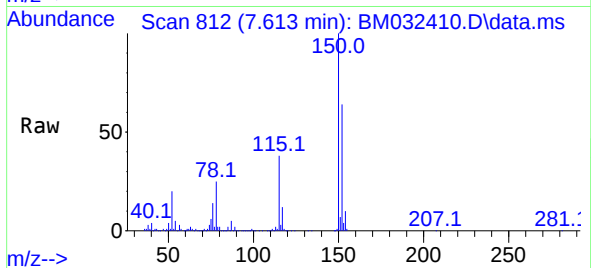
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:152 Resp: 354241
Ion Ratio Lower Upper
152 100
150 155.6 122.4 183.6
115 59.4 53.8 80.8

Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

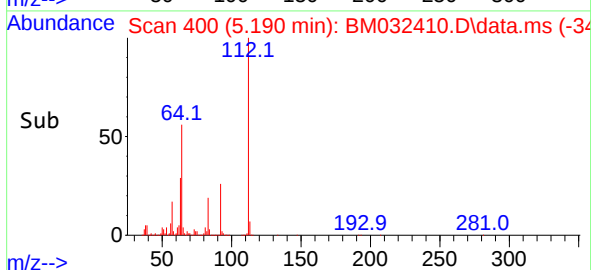
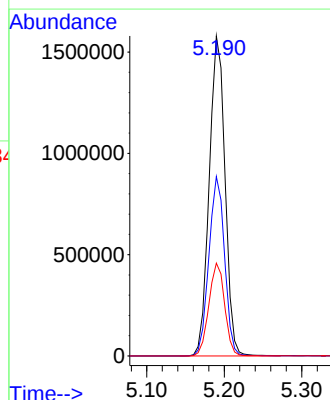
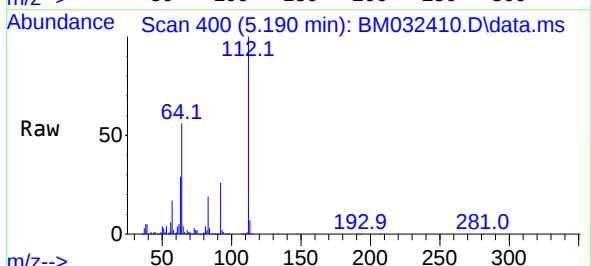
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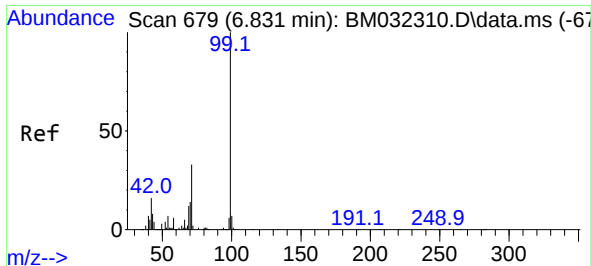
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#5
2-Fluorophenol
Concen: 106.51 ng
RT: 5.190 min Scan# 400
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:112 Resp: 2239408
Ion Ratio Lower Upper
112 100
64 56.1 53.7 80.5
63 29.0 33.9 50.9#





#7
Phenol-d6
Concen: 100.77 ng
RT: 6.813 min Scan# 676
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

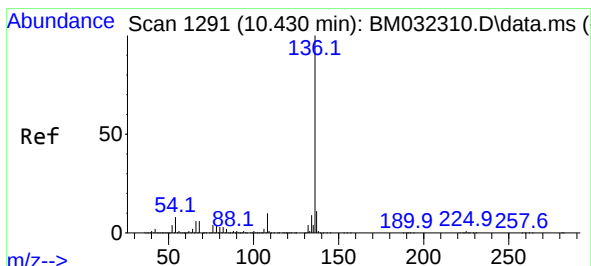
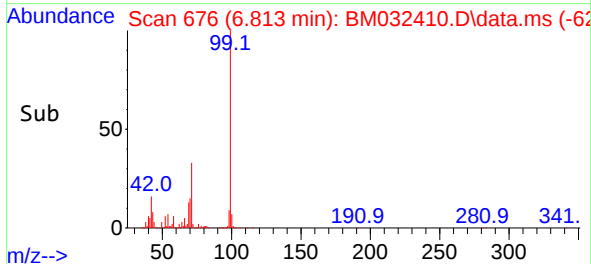
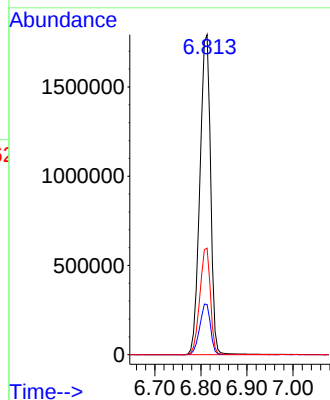
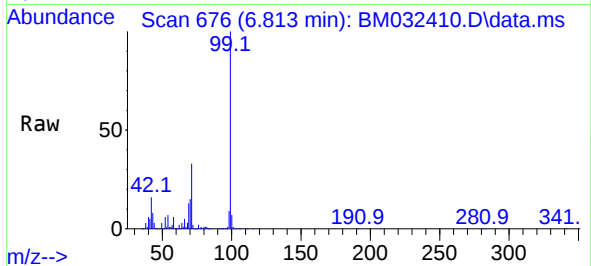
Tgt Ion: 99 Resp: 2897263

Ion	Ratio	Lower	Upper
99	100		
42	15.7	23.0	34.6#
71	33.3	37.8	56.8#

Instrument :
BNA_M
ClientSampleId :
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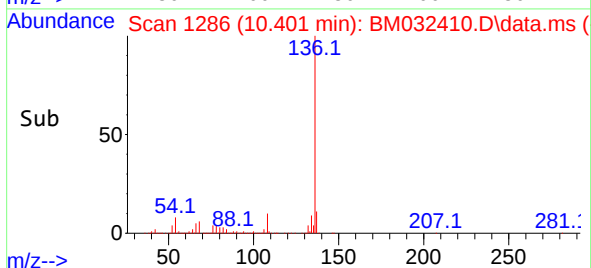
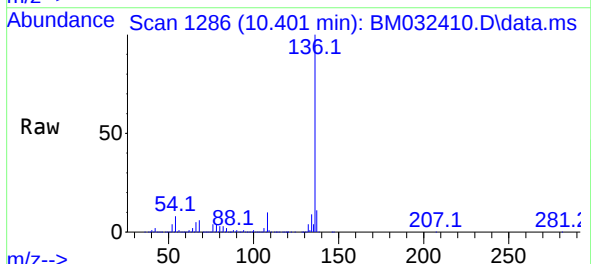
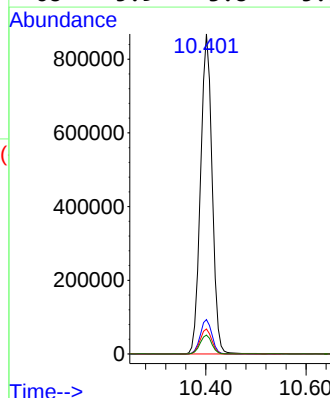
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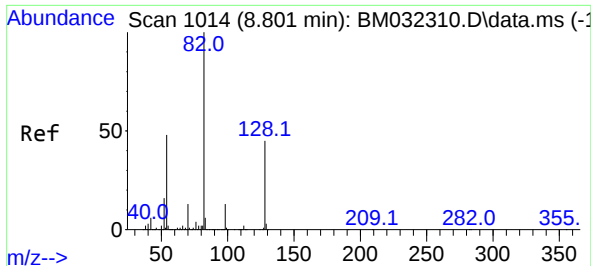


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion: 136 Resp: 1393104

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.8	7.4	11.0
68	5.9	3.8	5.8#





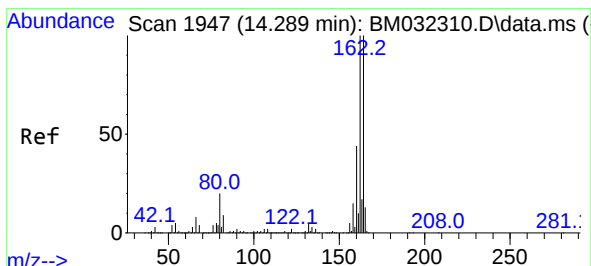
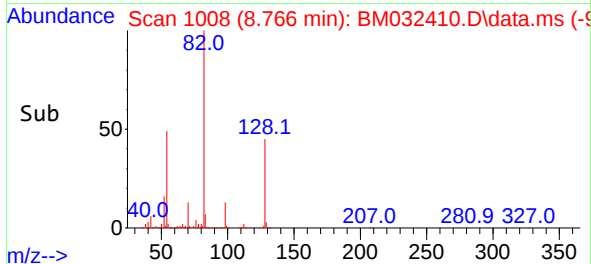
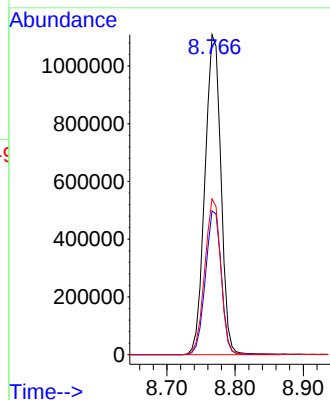
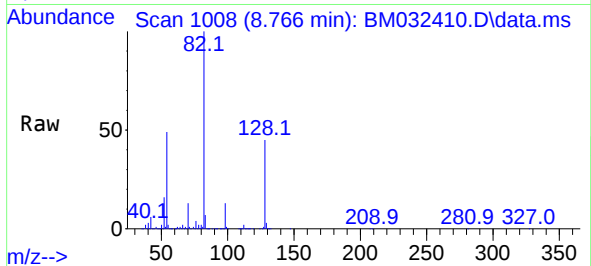
#23
Nitrobenzene-d5
Concen: 72.41 ng
RT: 8.766 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion: 82 Resp: 1813770
Ion Ratio Lower Upper
82 100
128 44.9 29.0 43.6#
54 48.7 45.8 68.8

Instrument :
BNA_M
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SB-4(0-0.5)

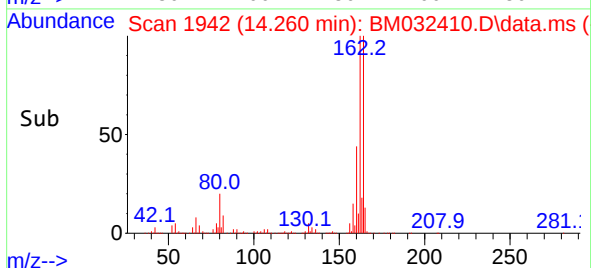
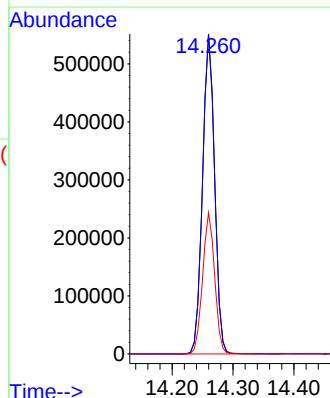
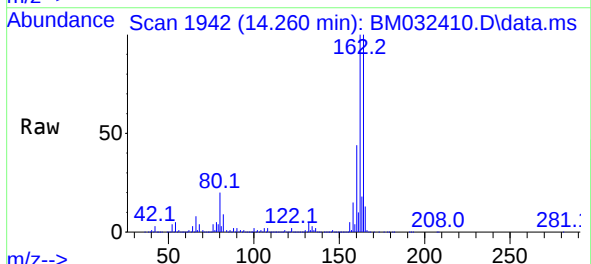
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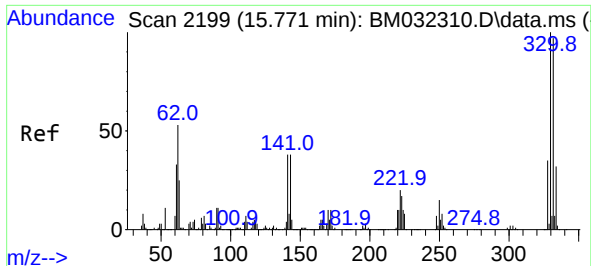
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

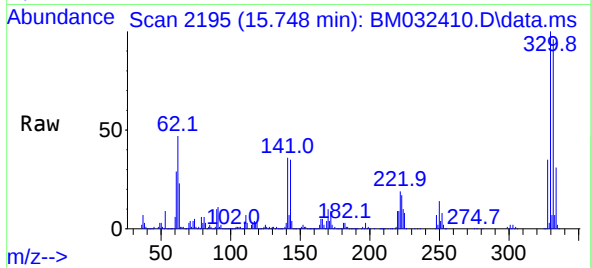
Tgt Ion:164 Resp: 758480
Ion Ratio Lower Upper
164 100
162 100.0 80.6 121.0
160 44.2 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 85.77 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

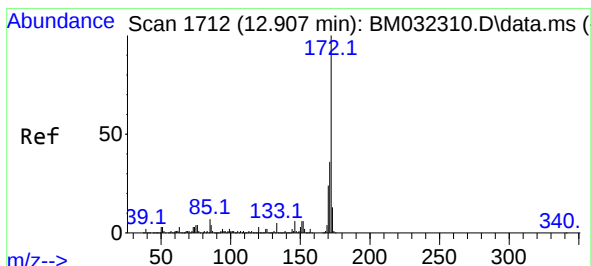
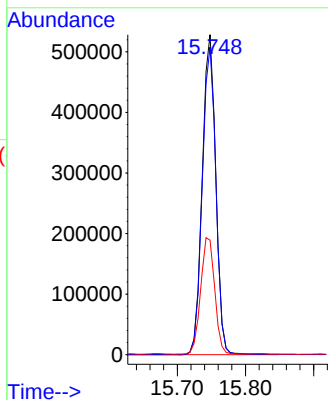
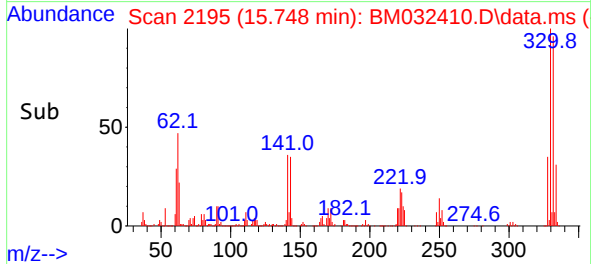
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)



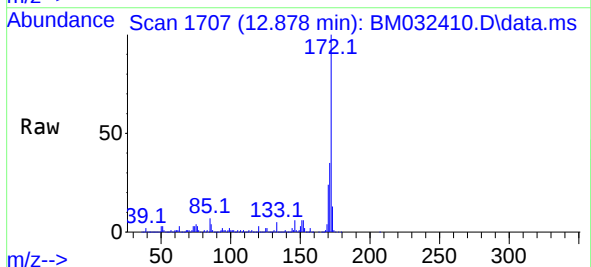
Tgt Ion:330 Resp: 728304
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 37.9 50.7 76.1#

Manual Integrations
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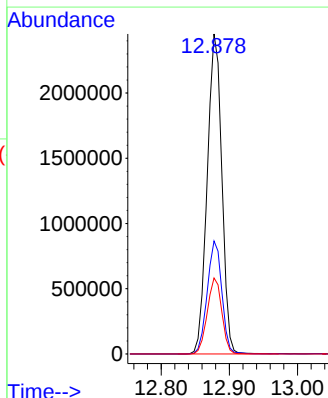
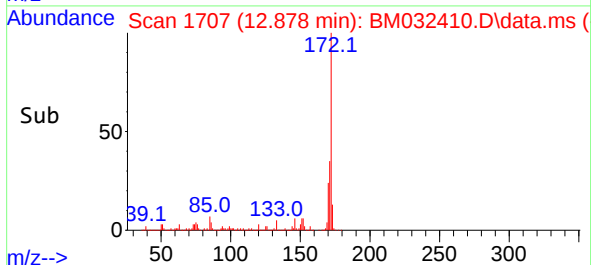
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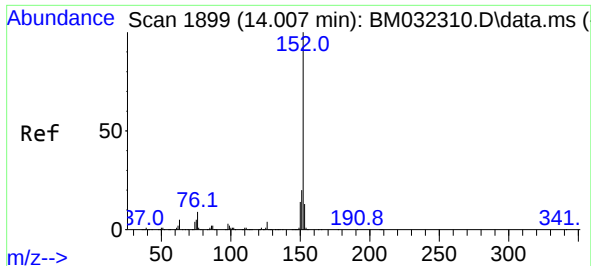


#45
2-Fluorobiphenyl
Concen: 71.81 ng
RT: 12.878 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

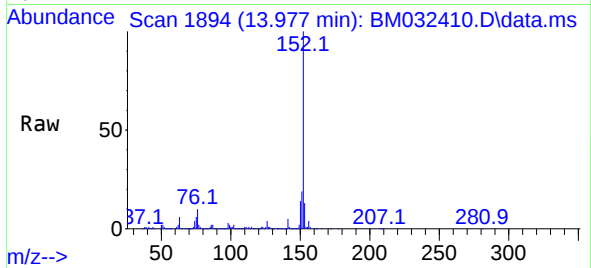


Tgt Ion:172 Resp: 3663486
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.7 18.6 27.8

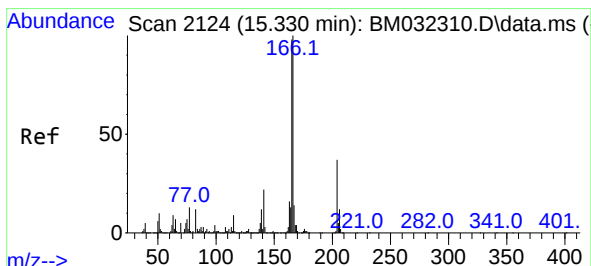
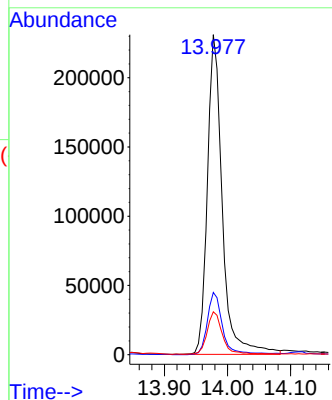
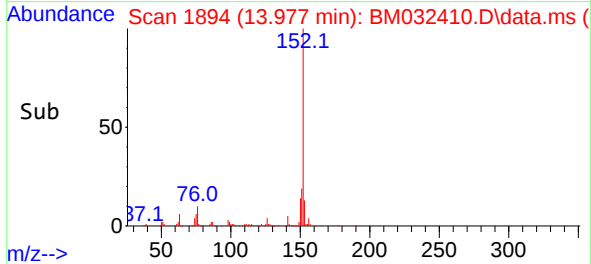




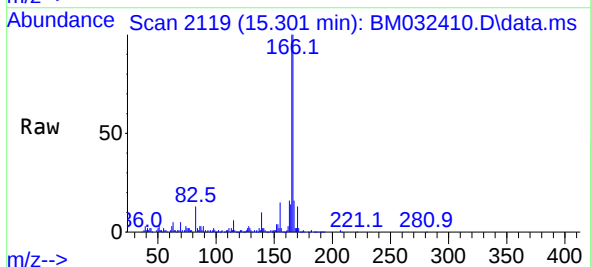
#49
Acenaphthylene
Concen: 5.70 ng
RT: 13.977 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23



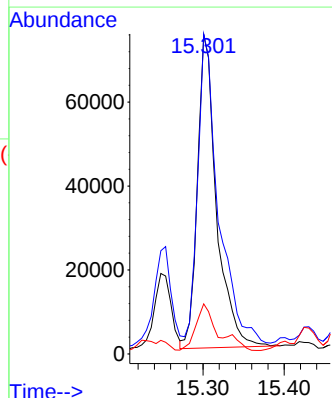
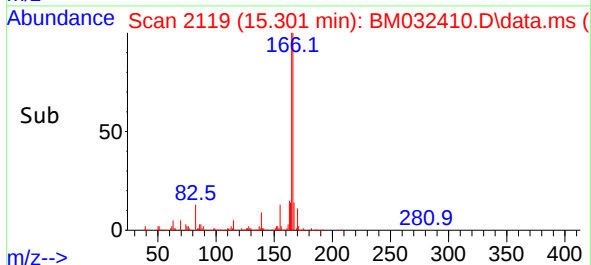
Tgt Ion:152 Resp: 379673
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.4 10.6 15.8



#58
Fluorene
Concen: 2.40 ng
RT: 15.301 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23



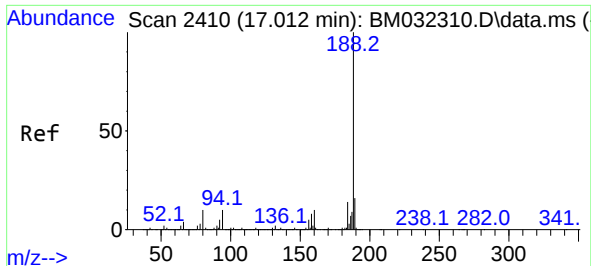
Tgt Ion:166 Resp: 122066
Ion Ratio Lower Upper
166 100
165 100.4 79.3 118.9
167 15.7 10.6 16.0



Instrument :
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SB-4(0-0.5)

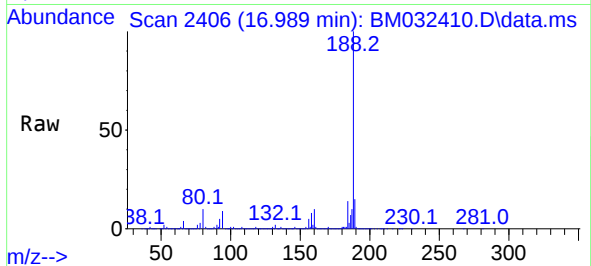
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

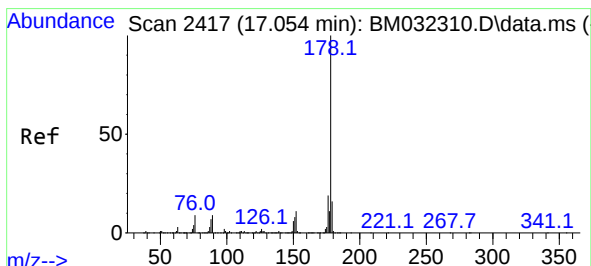
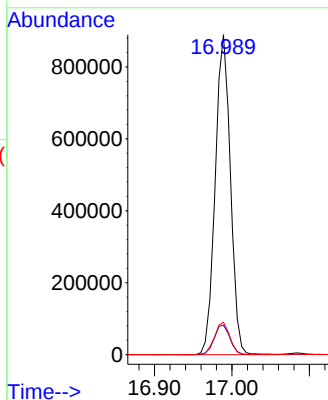
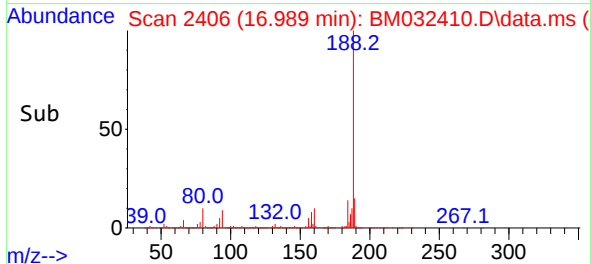
Instrument :
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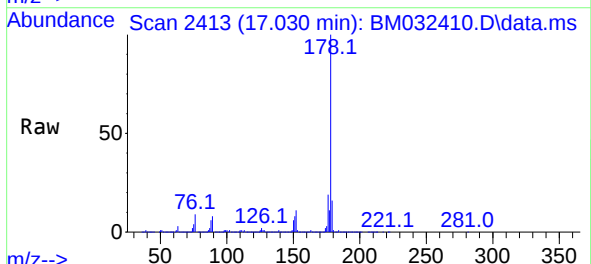
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Ion Ratio Lower Upper
188 100
94 9.3 6.3 9.5
80 10.2 7.3 10.9

Manual Integrations
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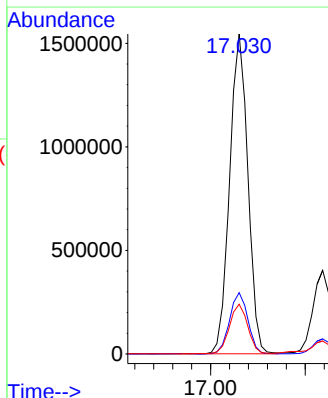
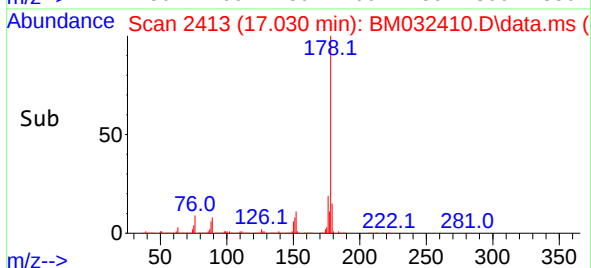
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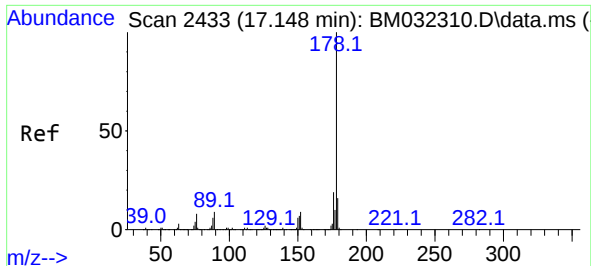


#71
Phenanthrene
Concen: 32.51 ng
RT: 17.030 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23



Tgt Ion:178 Resp: 2064219
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.6 12.4 18.6





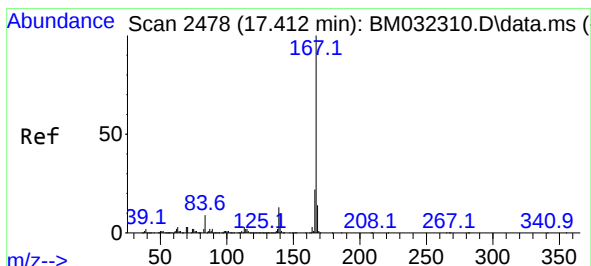
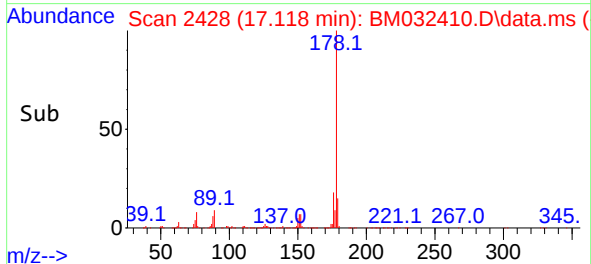
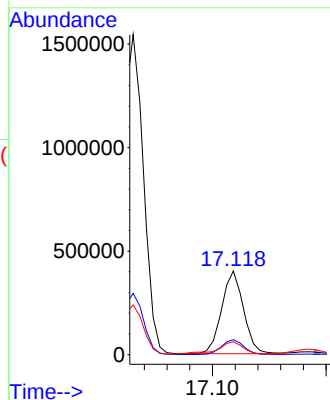
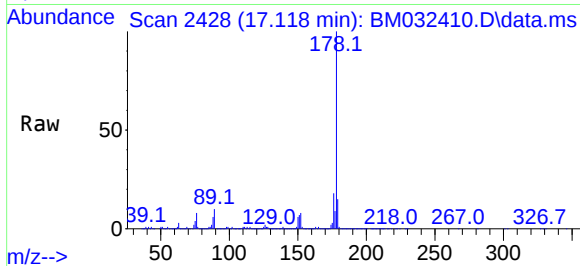
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 Anthracene
 Concen: 8.60 ng
 RT: 17.118 min Scan# 2428
 Delta R.T. -0.006 min
 Lab File: BM032410.D
 Acq: 09 Oct 2021 01:23

Tgt Ion:178 Resp: 533789
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 15.5 12.3 18.5

Instrument :
 BNA_M
 ClientSampleId :
 SB-4(0-0.5)

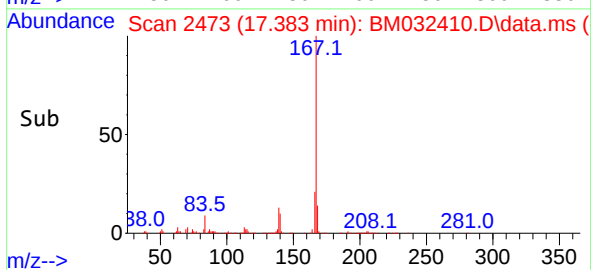
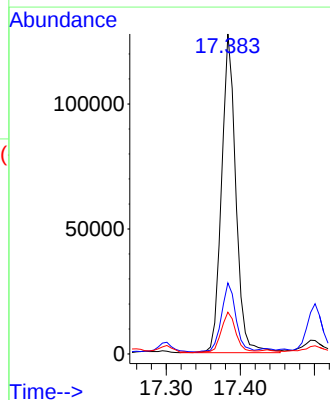
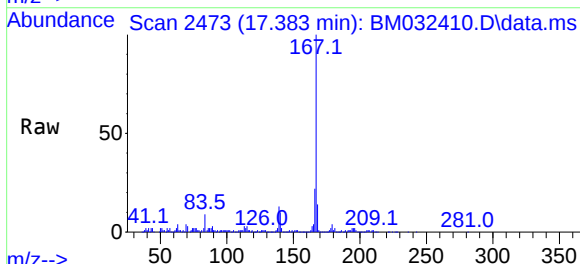
Manual Integrations
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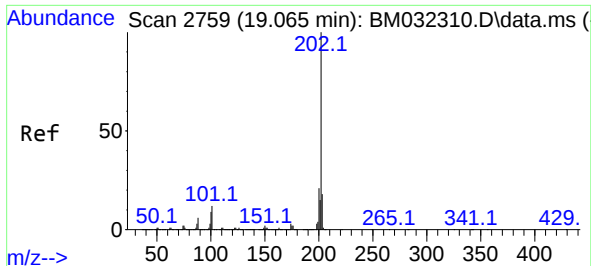
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#73
 Carbazole
 Concen: 2.77 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032410.D
 Acq: 09 Oct 2021 01:23

Tgt Ion:167 Resp: 170634
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.0 11.9 17.9





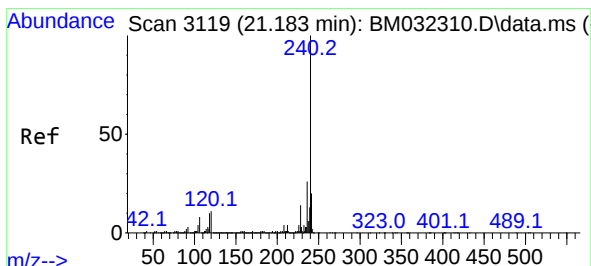
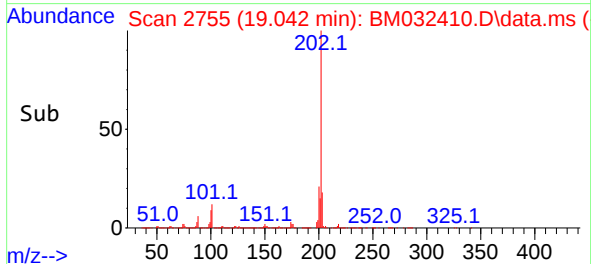
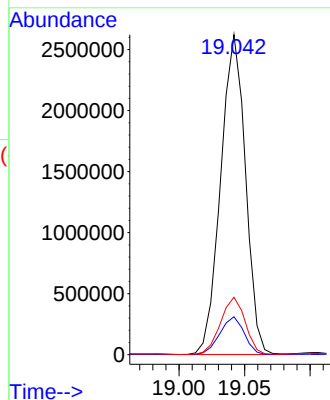
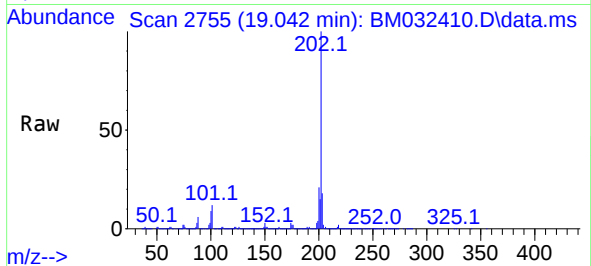
#75
Fluoranthene
Concen: 48.95 ng
RT: 19.042 min Scan# 2755
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:202 Resp: 3446541
Ion Ratio Lower Upper
202 100
101 11.8 0.0 29.9
203 18.0 0.0 36.8

Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

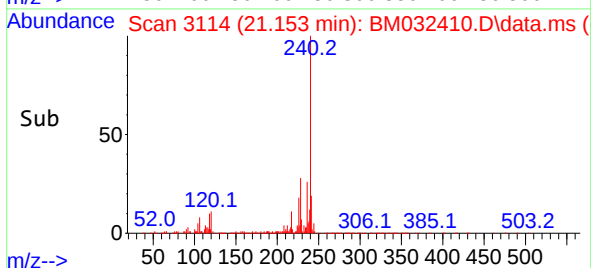
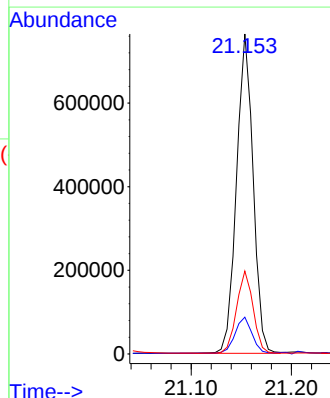
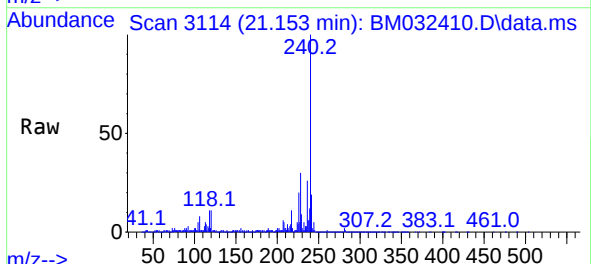
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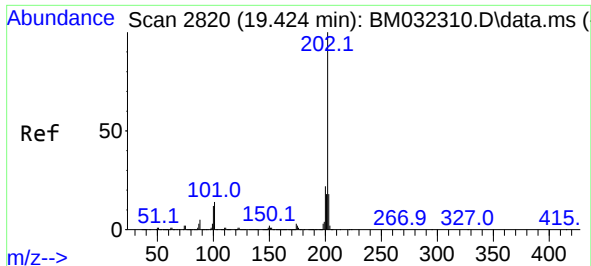
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

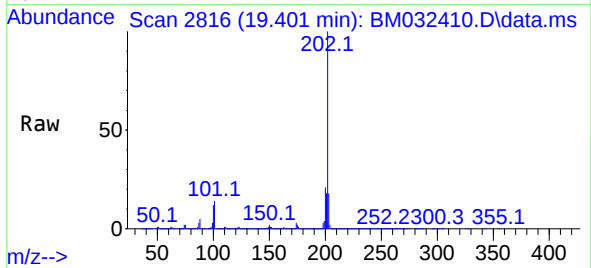
Tgt Ion:240 Resp: 881001
Ion Ratio Lower Upper
240 100
120 11.5 7.8 11.6
236 25.9 20.9 31.3





#78
Pyrene
Concen: 60.61 ng
RT: 19.401 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

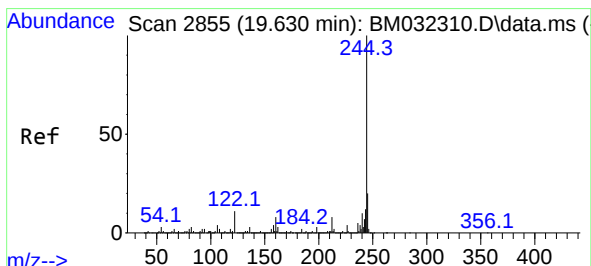
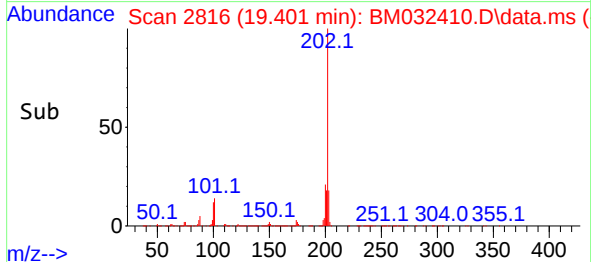
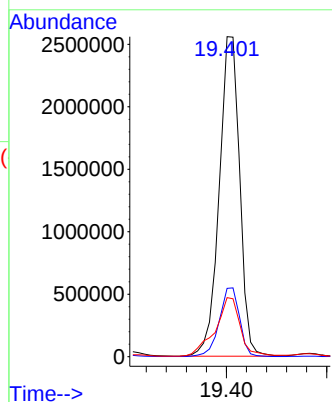
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)



Tgt Ion:202 Resp: 3620798
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 18.5 13.7 20.5

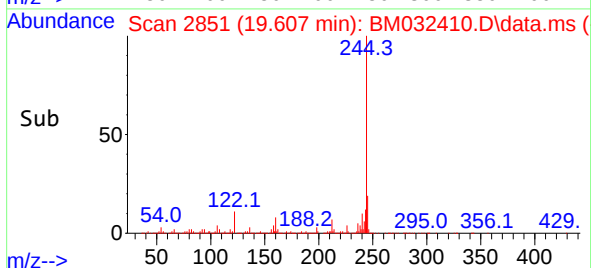
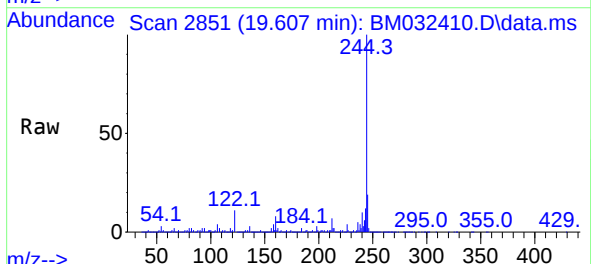
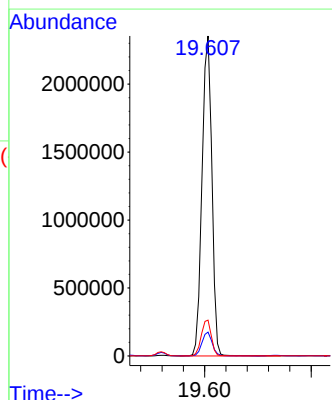
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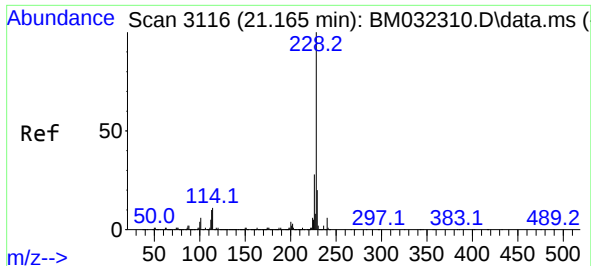
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#79
Terphenyl-d14
Concen: 72.07 ng
RT: 19.607 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:244 Resp: 3014988
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 11.2 8.7 13.1





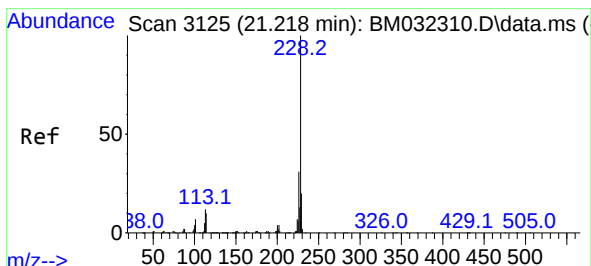
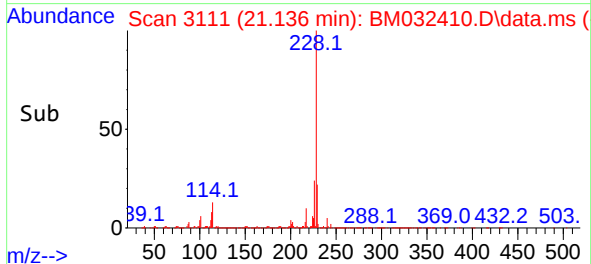
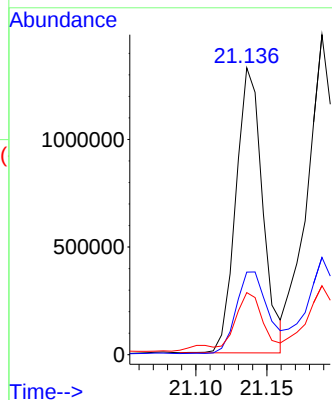
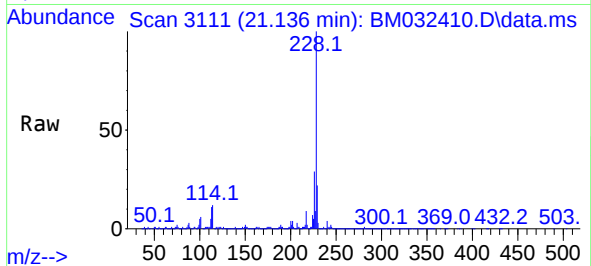
#81
Benzo(a)anthracene
Concen: 31.57 ng
RT: 21.136 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:228 Resp: 1738248
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.2
229 21.7 15.3 22.9

Instrument :
BNA_M
ClientSampled :
SB-4(0-0.5)

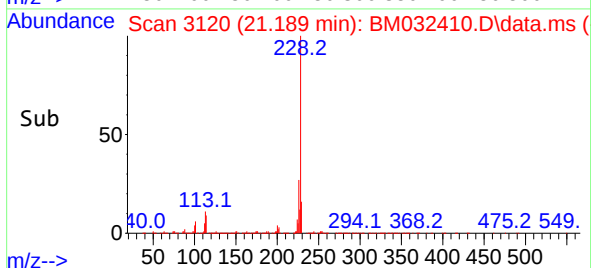
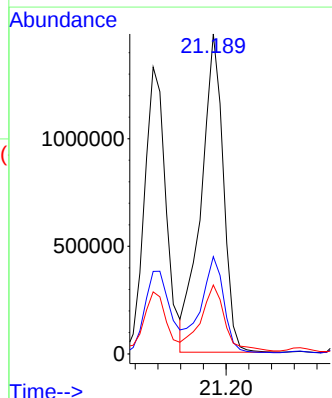
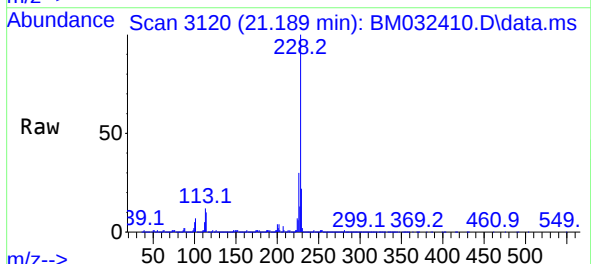
Manual Integrations
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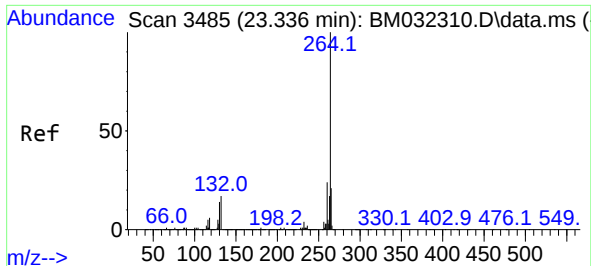
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#83
Chrysene
Concen: 37.72 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

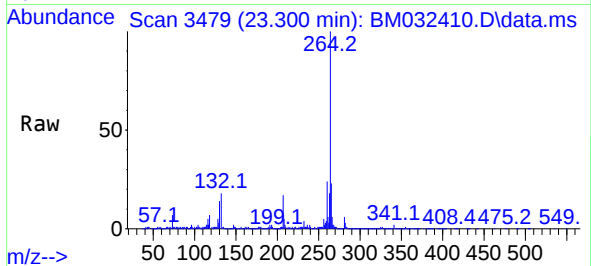
Tgt Ion:228 Resp: 2009361
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 21.5 16.0 24.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.300 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

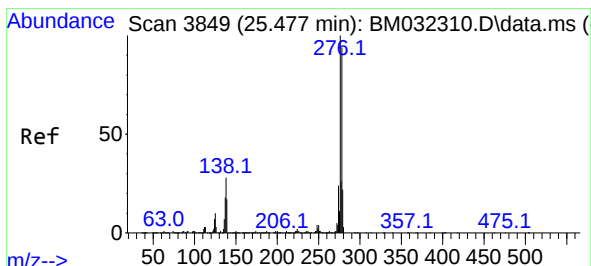
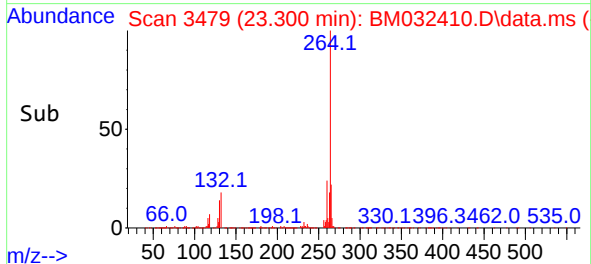
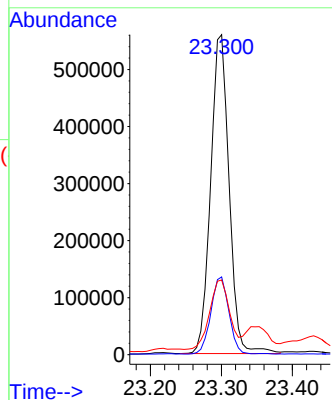


Tgt Ion:264 Resp: 1007526

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	23.4	18.3	27.5

Manual Integrations
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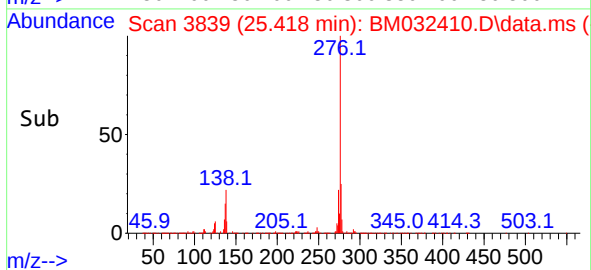
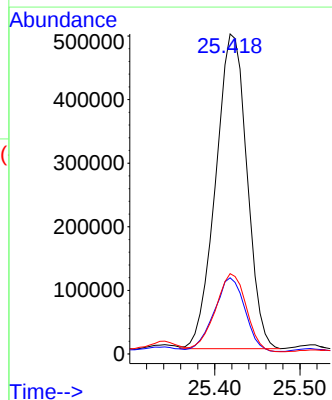
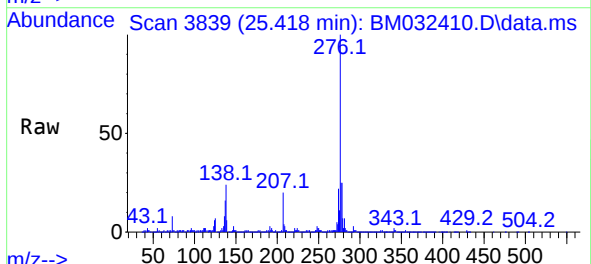
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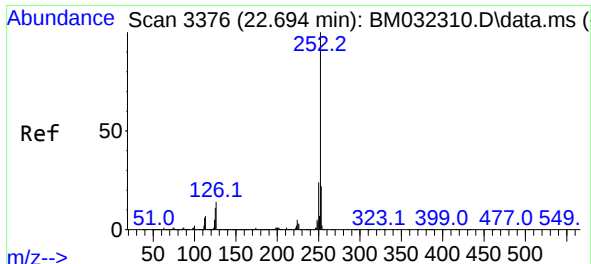


#87
Indeno(1,2,3-cd)pyrene
Concen: 20.29 ng
RT: 25.418 min Scan# 3839
Delta R.T. -0.012 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:276 Resp: 1259947

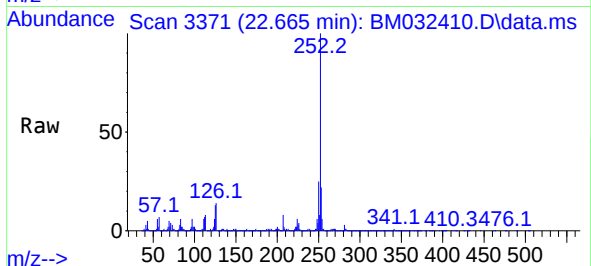
Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.4	27.6
277	24.9	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 38.95 ng m
RT: 22.665 min Scan# 3371
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

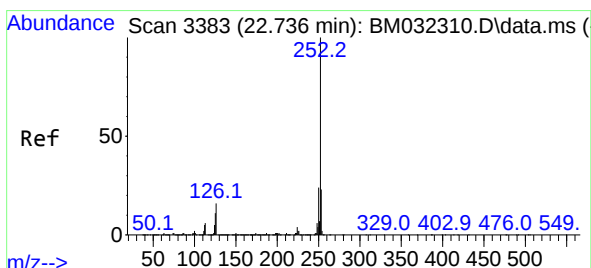
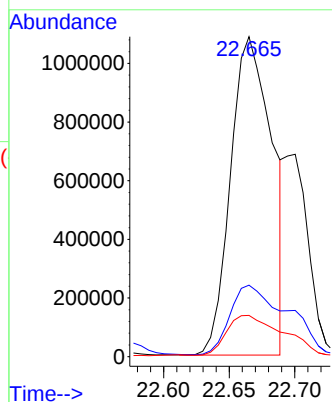
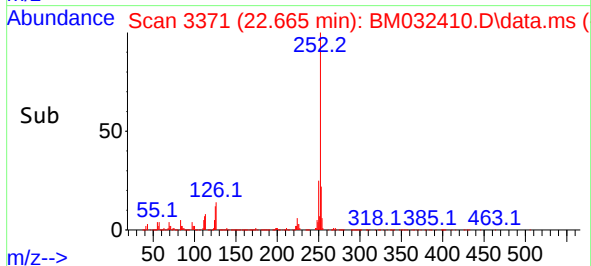
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)



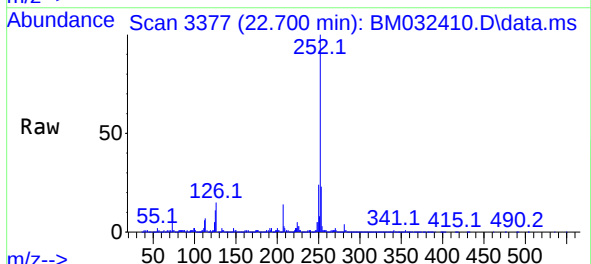
Tgt Ion:252 Resp: 2387324
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.9 7.5 11.3#

Manual Integrations
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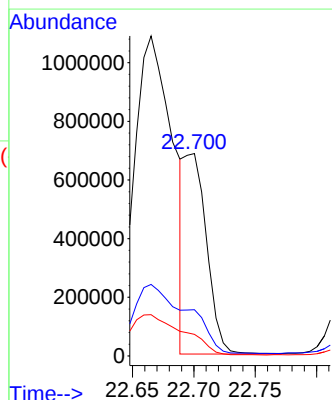
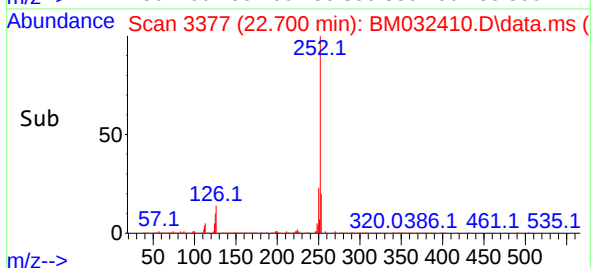
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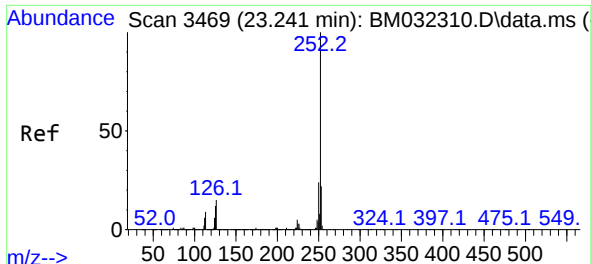


#89
Benzo(k)fluoranthene
Concen: 14.28 ng m
RT: 22.700 min Scan# 3377
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23



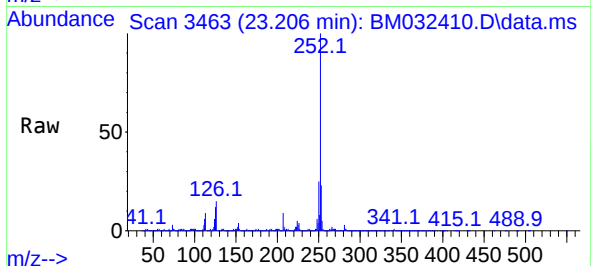
Tgt Ion:252 Resp: 854813
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.7 7.5 11.3





#90
Benzo(a)pyrene
Concen: 36.90 ng
RT: 23.206 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

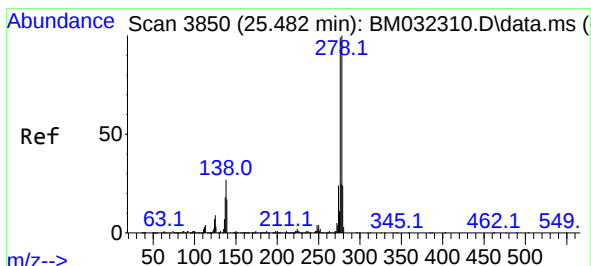
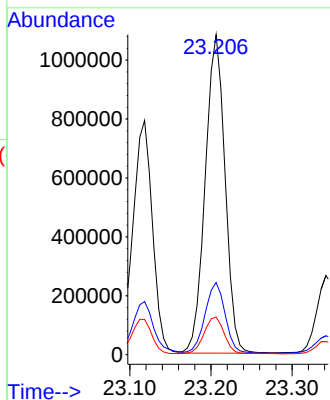
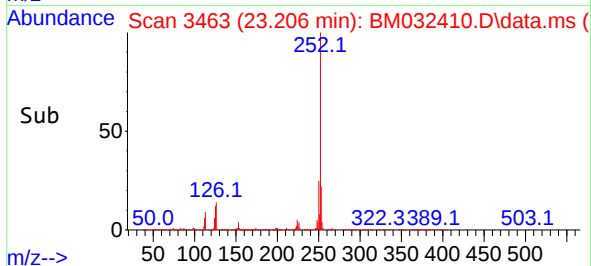
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)



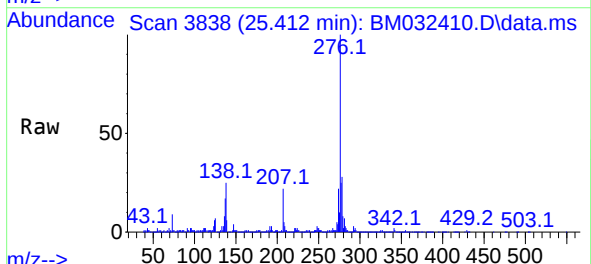
Tgt Ion:252 Resp: 1833952
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.8 8.1 12.1

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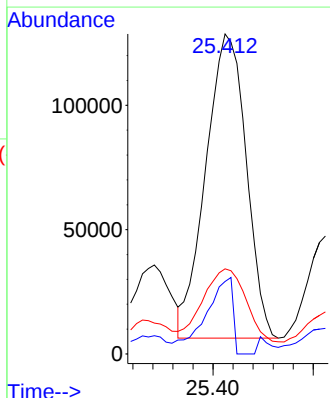
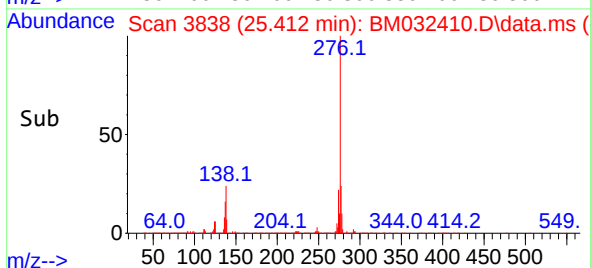
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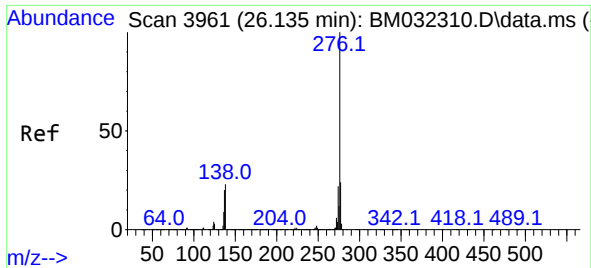


#91
Dibenzo(a,h)anthracene
Concen: 6.54 ng
RT: 25.412 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23



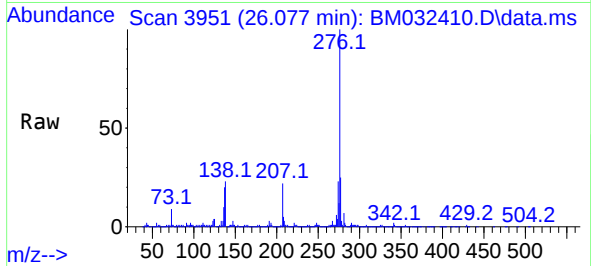
Tgt Ion:278 Resp: 342304
Ion Ratio Lower Upper
278 100
139 22.7 10.9 16.3#
279 26.6 18.2 27.2





#92
Benzo(g,h,i)perylene
Concen: 25.53 ng
RT: 26.077 min Scan# 3951
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)



Tgt Ion:276 Resp: 1321151
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.0
138 23.3 14.6 22.0#

Manual Integrations
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