

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)

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)

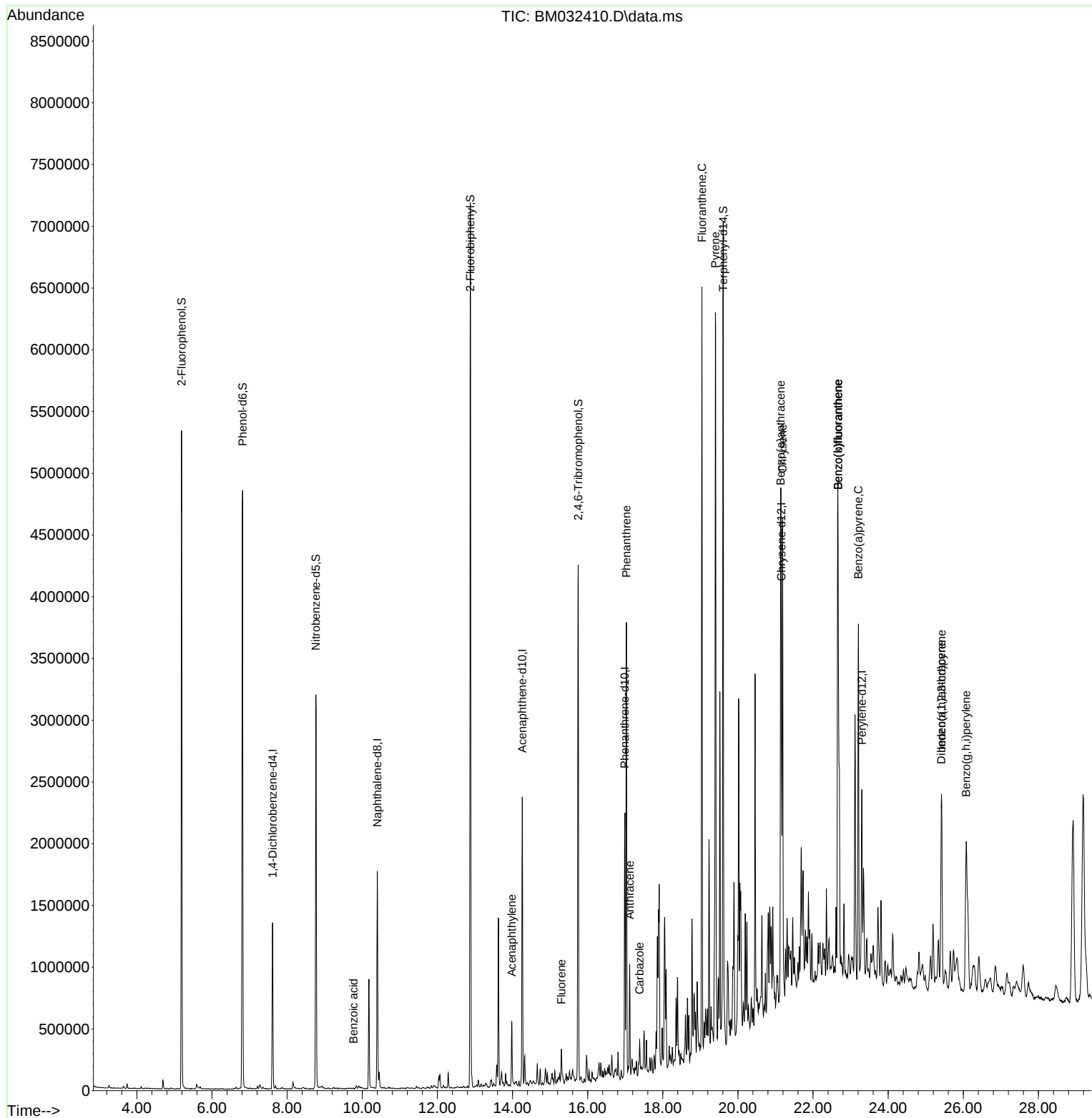
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	354241	20.000	ng	0.00
21) Naphthalene-d8	10.401	136	1393104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	758480	20.000	ng	0.00
64) Phenanthrene-d10	16.989	188	1209838	20.000	ng	0.00
76) Chrysene-d12	21.153	240	881001	20.000	ng	0.00
86) Perylene-d12	23.300	264	1007526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	2239408	106.515	ng	0.00
7) Phenol-d6	6.813	99	2897263	100.771	ng	0.00
23) Nitrobenzene-d5	8.766	82	1813770	72.412	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	728304	85.772	ng	0.00
45) 2-Fluorobiphenyl	12.878	172	3663486	71.815	ng	0.00
79) Terphenyl-d14	19.607	244	3014988	72.073	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.766	122	201	4.833	ng	# 7
49) Acenaphthylene	13.977	152	379673	5.697	ng	100
58) Fluorene	15.301	166	122066	2.398	ng	98
71) Phenanthrene	17.030	178	2064219	32.507	ng	100
72) Anthracene	17.118	178	533789	8.603	ng	99
73) Carbazole	17.383	167	170634	2.769	ng	98
75) Fluoranthene	19.042	202	3446541	48.945	ng	96
78) Pyrene	19.401	202	3620798	60.609	ng	98
81) Benzo(a)anthracene	21.136	228	1738248	31.566	ng	95
83) Chrysene	21.189	228	2009361	37.718	ng	98
87) Indeno(1,2,3-cd)pyrene	25.418	276	1259947	20.294	ng	100
88) Benzo(b)fluoranthene	22.665	252	3244252	52.934	ng	# 97
89) Benzo(k)fluoranthene	22.665	252	3244252	54.186	ng	# 96
90) Benzo(a)pyrene	23.206	252	1833952	36.899	ng	97
91) Dibenzo(a,h)anthracene	25.412	278	342304	6.540	ng	# 86
92) Benzo(g,h,i)perylene	26.077	276	1321151	25.531	ng	# 95

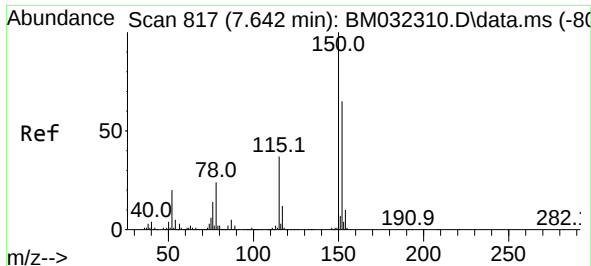
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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)

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

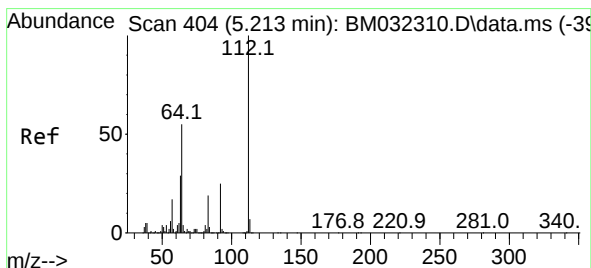
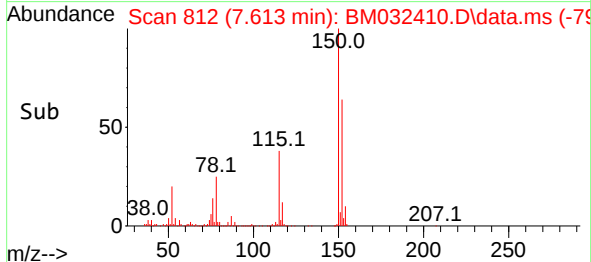
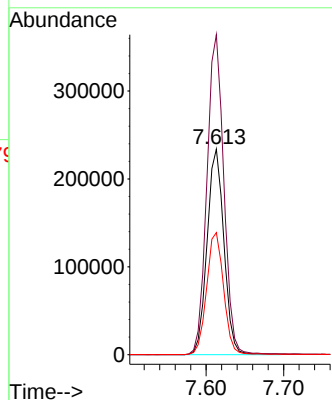
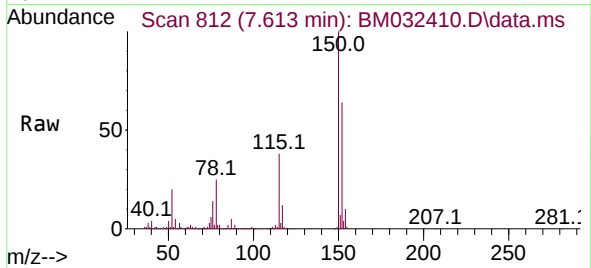




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

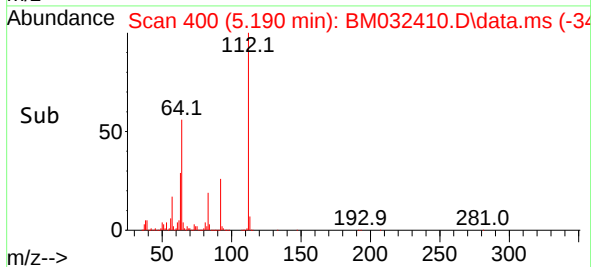
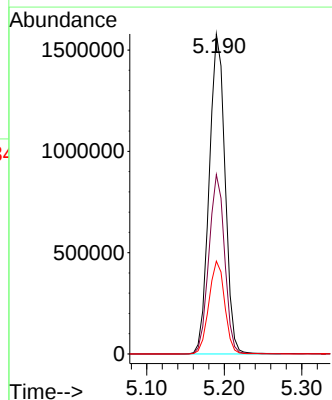
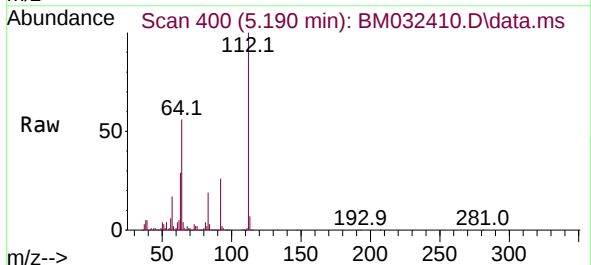
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

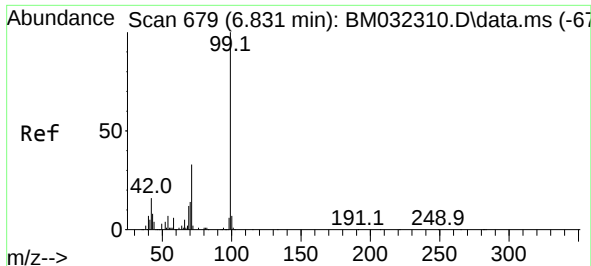
Tgt Ion:152 Resp: 354241
Ion Ratio Lower Upper
152 100
150 155.6 122.4 183.6
115 59.4 53.8 80.8



#5
2-Fluorophenol
Concen: 106.515 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#



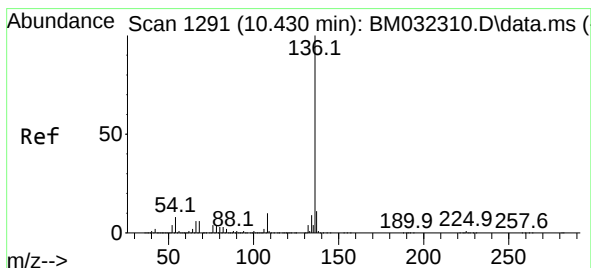
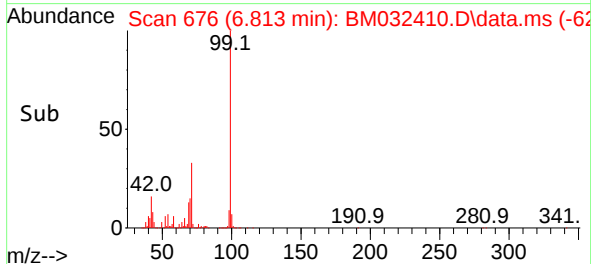
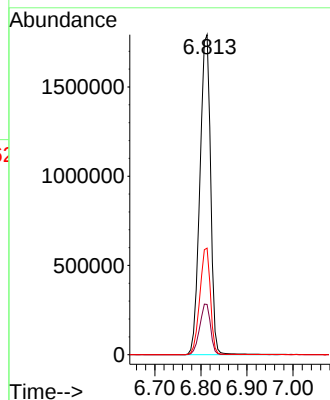
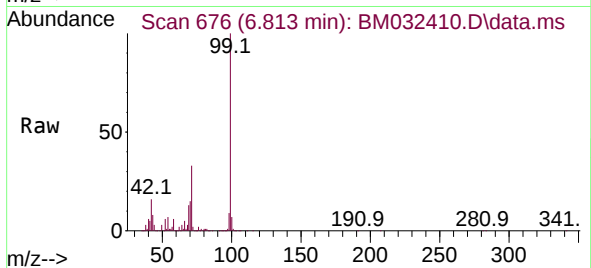


#7
Phenol-d6
Concen: 100.771 ng
RT: 6.813 min Scan# 676
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

Tgt Ion: 99 Resp: 2897263

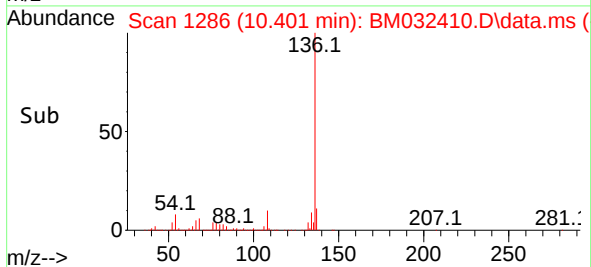
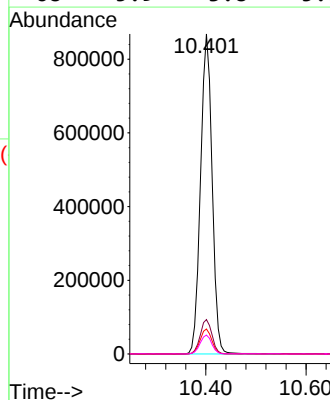
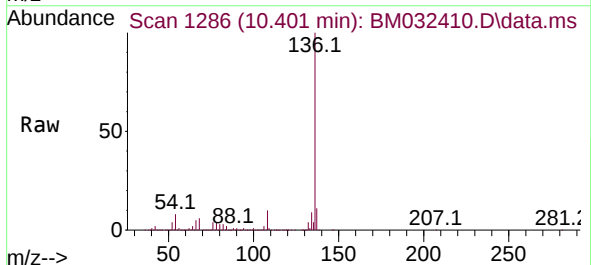
Ion	Ratio	Lower	Upper
99	100		
42	15.7	23.0	34.6#
71	33.3	37.8	56.8#

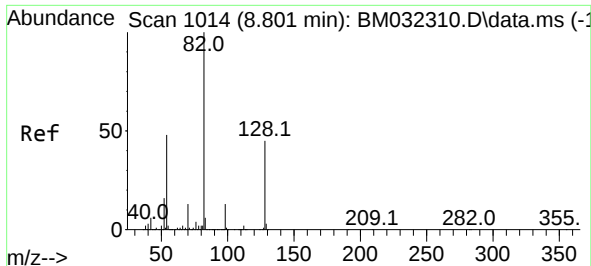


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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#

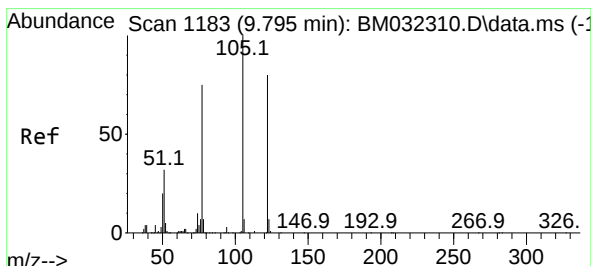
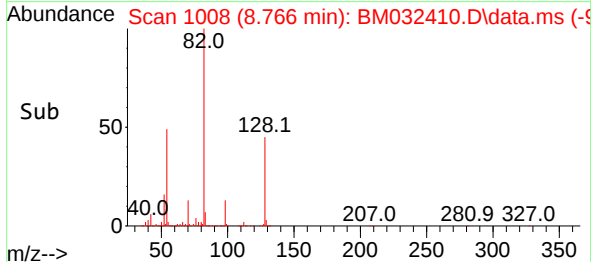
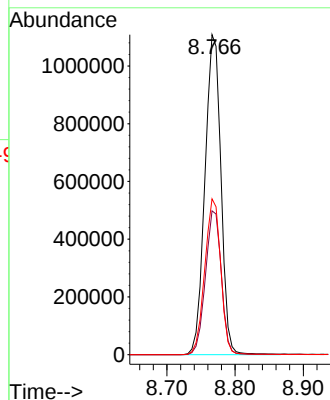
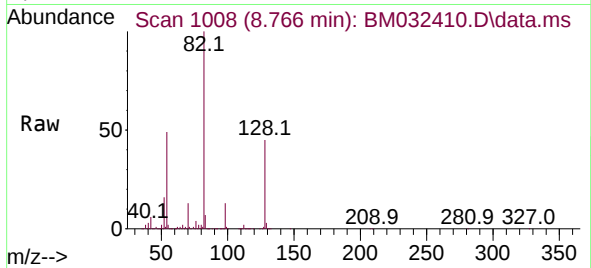




#23
Nitrobenzene-d5
Concen: 72.412 ng
RT: 8.766 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

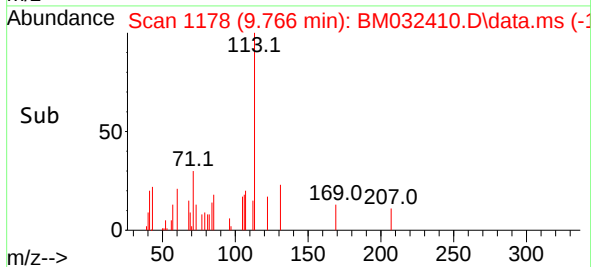
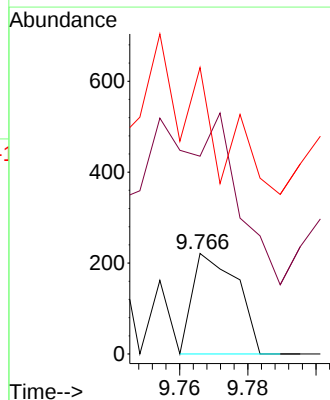
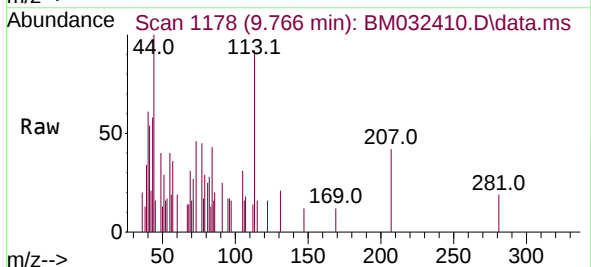
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

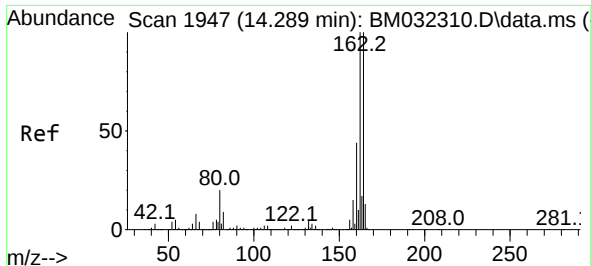
Tgt Ion: 82 Resp: 1813770
Ion Ratio Lower Upper
82 100
128 44.9 29.0 43.6#
54 48.7 45.8 68.8



#32
Benzoic acid
Concen: 4.833 ng
RT: 9.766 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:122 Resp: 201
Ion Ratio Lower Upper
122 100
105 196.8 120.3 160.3#
77 285.1 100.0 140.0#

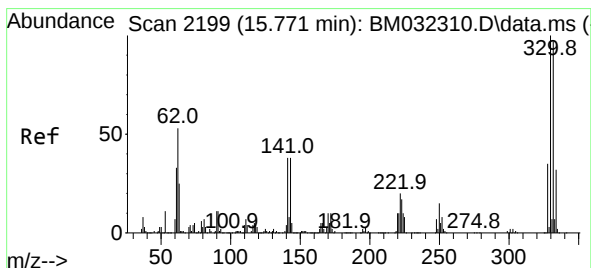
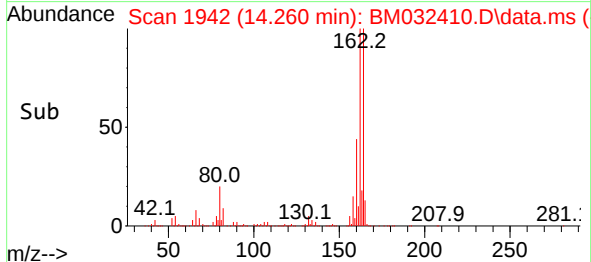
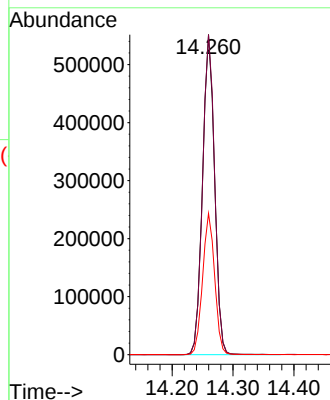
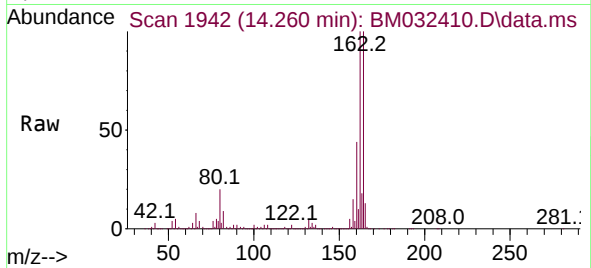




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

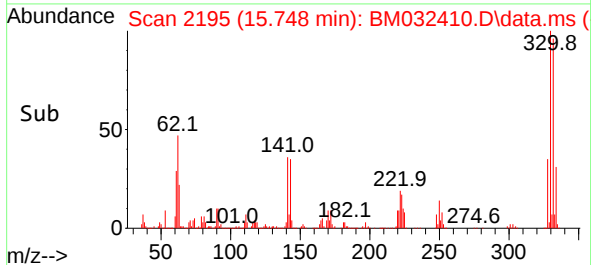
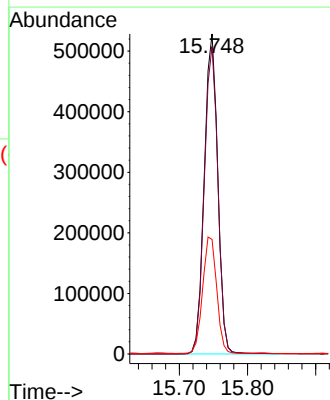
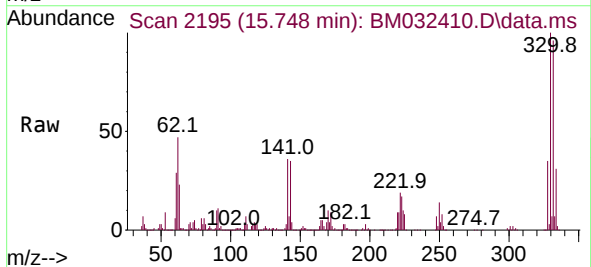
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

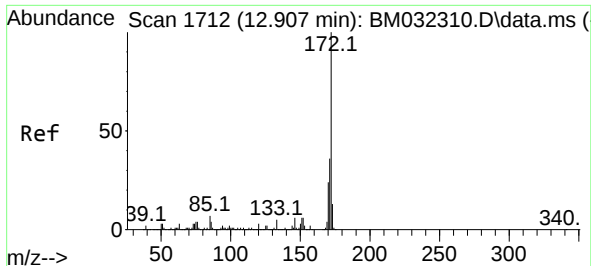
Tgt Ion:164 Resp: 758480
Ion Ratio Lower Upper
164 100
162 100.0 80.6 121.0
160 44.2 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 85.772 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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#

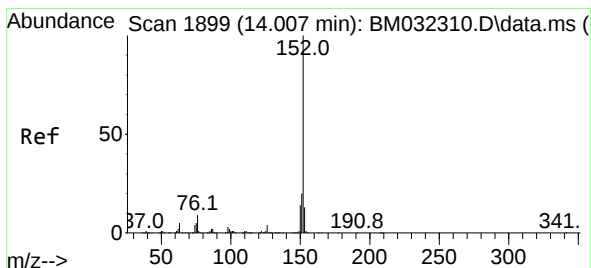
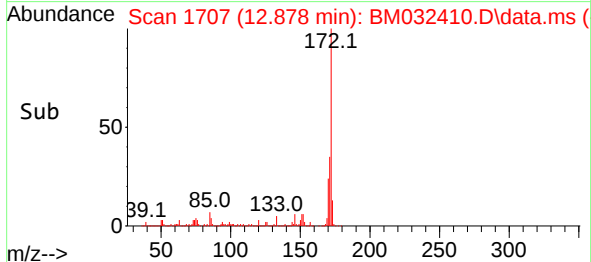
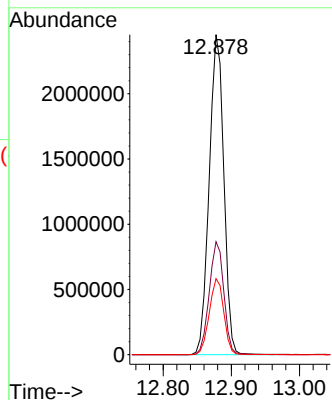
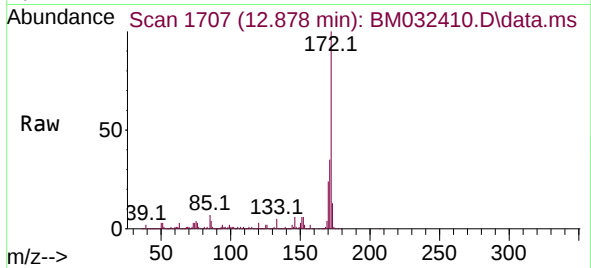




#45
2-Fluorobiphenyl
Concen: 71.815 ng
RT: 12.878 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

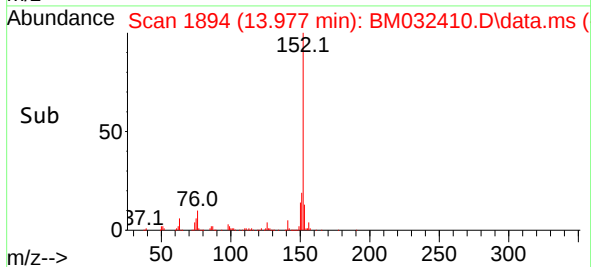
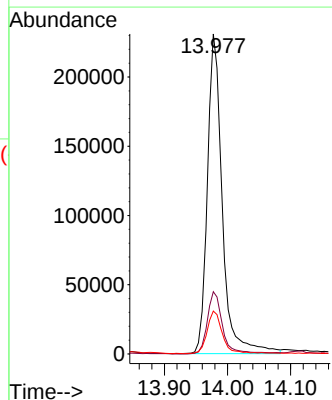
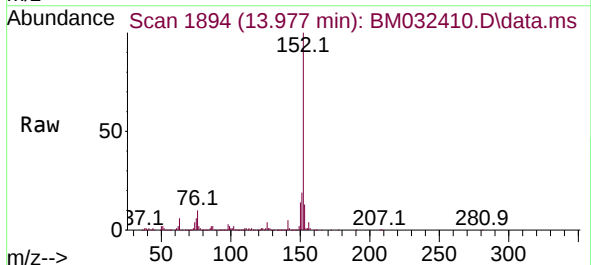
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

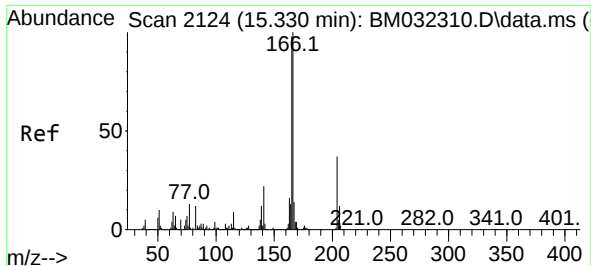
Tgt Ion:172 Resp: 3663486
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.7 18.6 27.8



#49
Acenaphthylene
Concen: 5.697 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

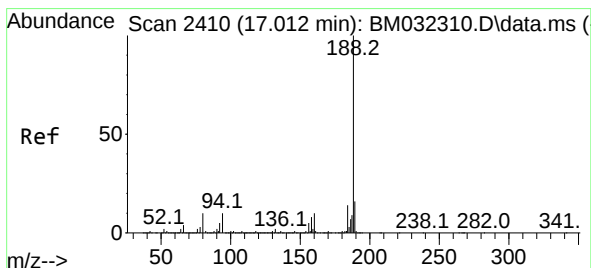
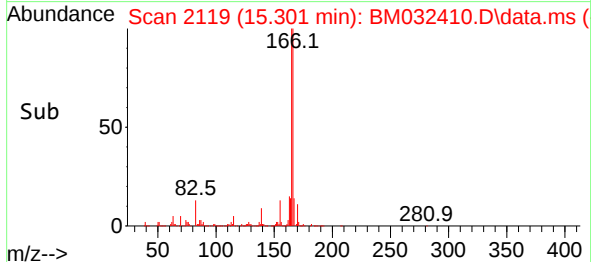
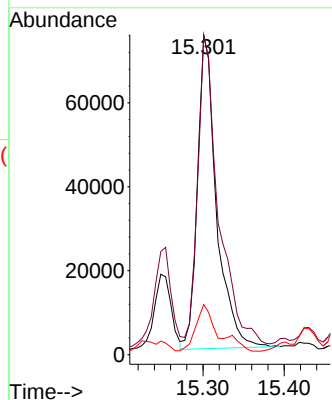
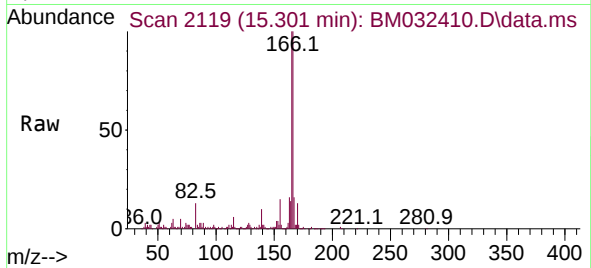




#58
Fluorene
Concen: 2.398 ng
RT: 15.301 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

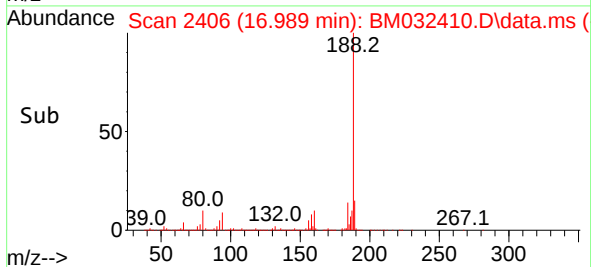
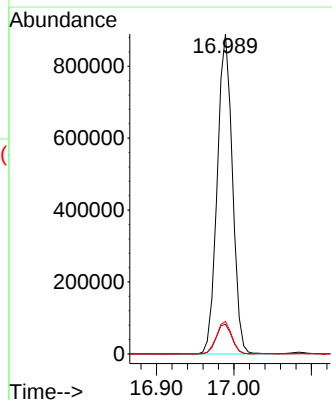
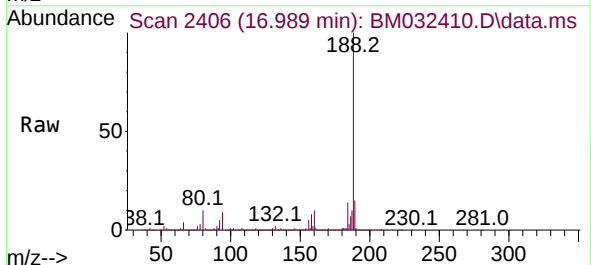
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

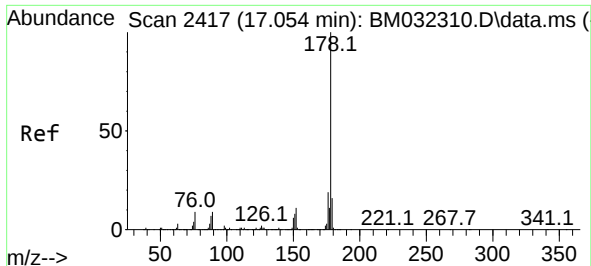
Tgt Ion:166 Resp: 122066
Ion Ratio Lower Upper
166 100
165 100.4 79.3 118.9
167 15.7 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:188 Resp: 1209838
Ion Ratio Lower Upper
188 100
94 9.3 6.3 9.5
80 10.2 7.3 10.9

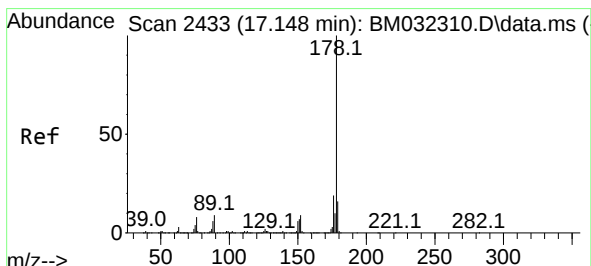
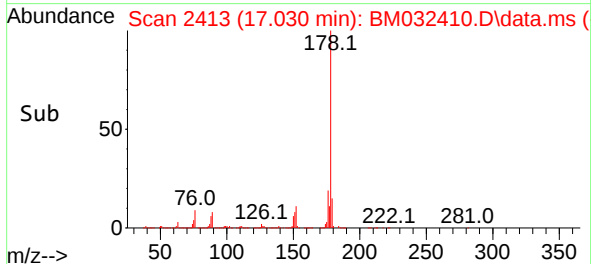
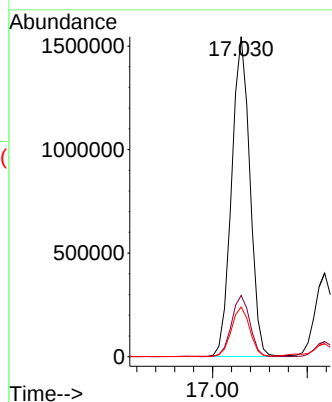
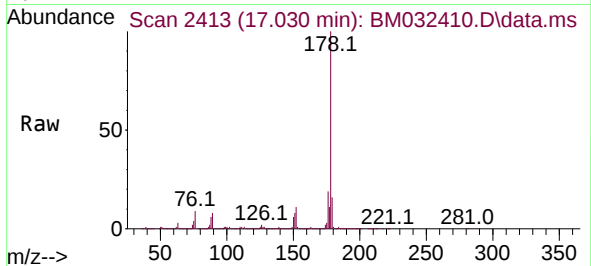




#71
Phenanthrene
Concen: 32.507 ng
RT: 17.030 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

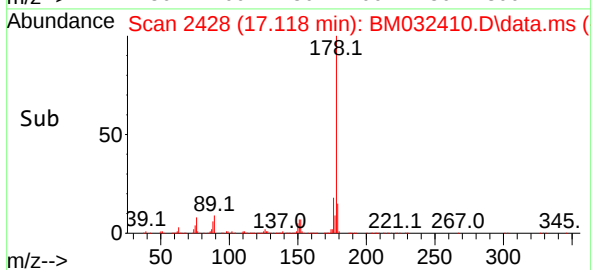
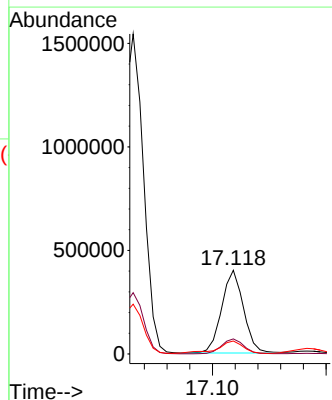
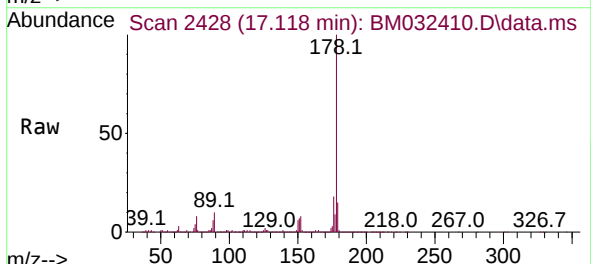
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

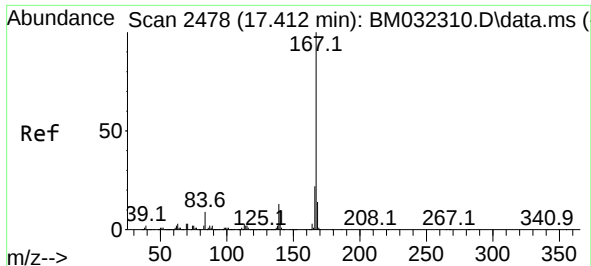
Tgt Ion:178 Resp: 2064219
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.6 12.4 18.6



#72
Anthracene
Concen: 8.603 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

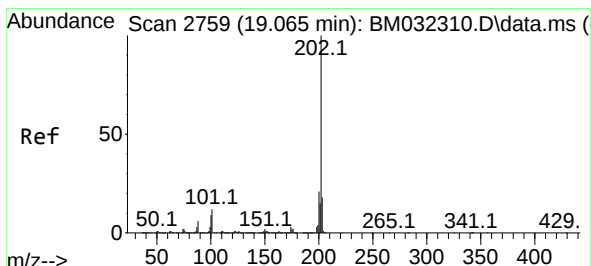
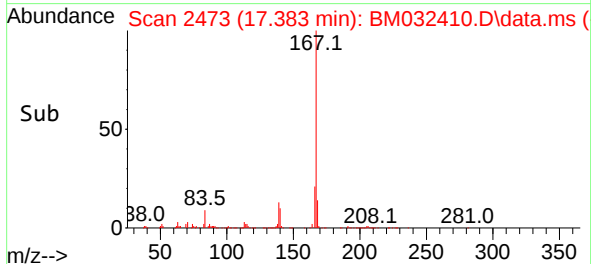
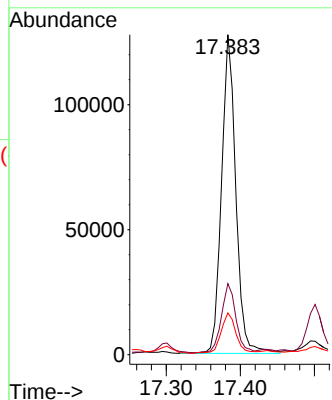
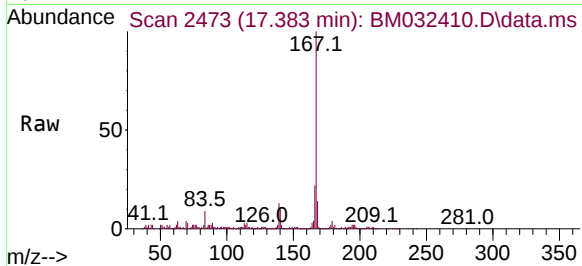




#73
 Carbazole
 Concen: 2.769 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032410.D
 Acq: 09 Oct 2021 01:23

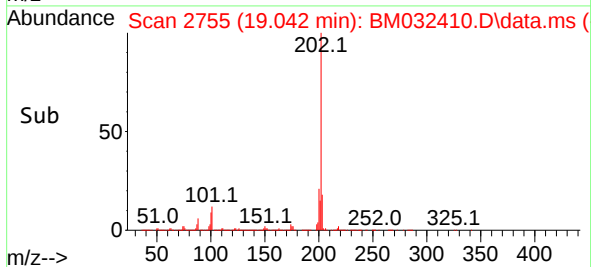
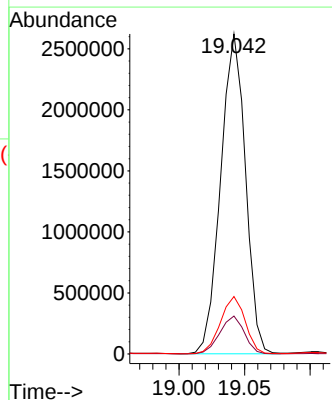
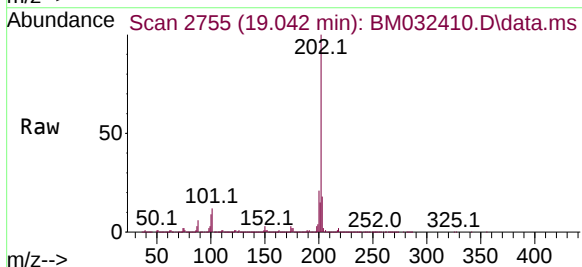
Instrument :
 BNA_M
 ClientSampleId :
 SB-4(0-0.5)

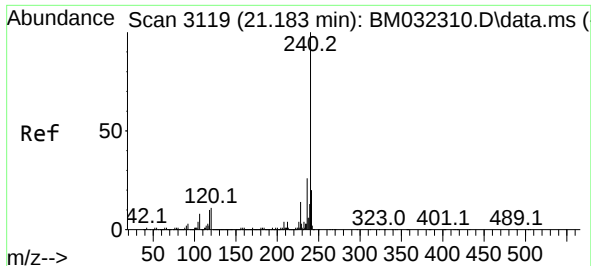
Tgt Ion:167 Resp: 170634
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.0 11.9 17.9



#75
 Fluoranthene
 Concen: 48.945 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

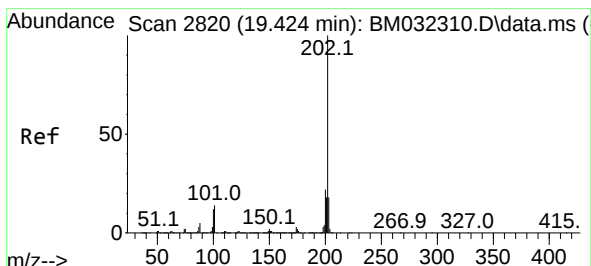
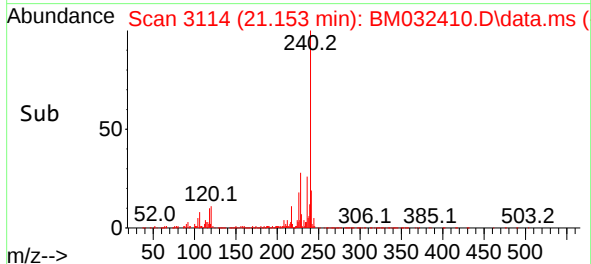
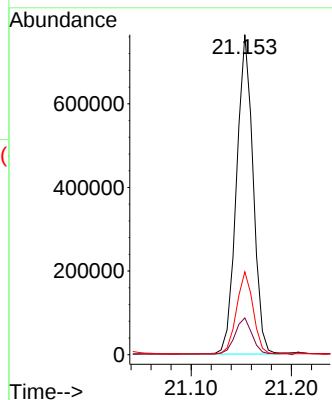
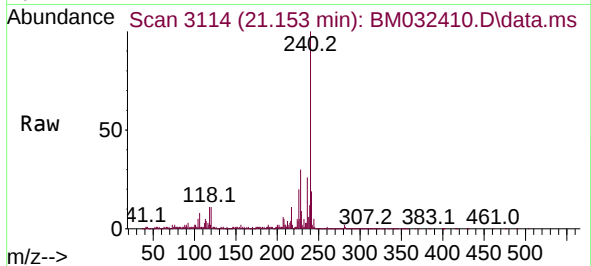




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

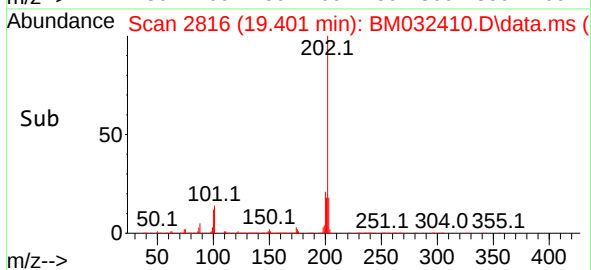
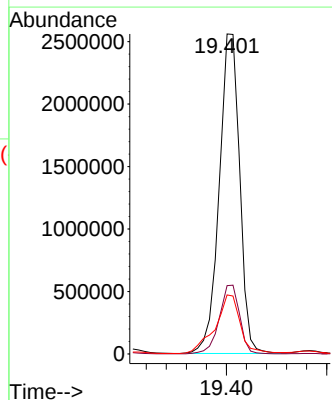
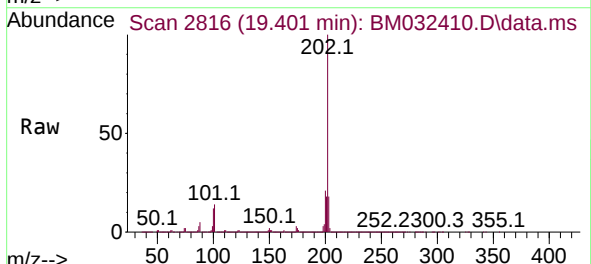
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

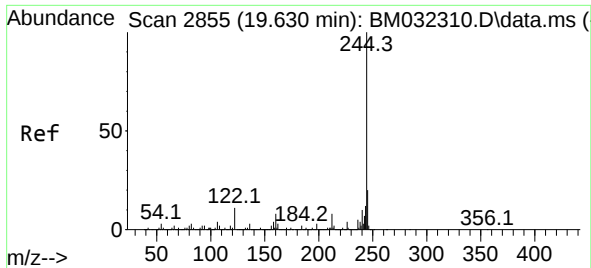
Tgt Ion:240	Resp: 881001
Ion Ratio	Lower Upper
240	100
120	11.5 7.8 11.6
236	25.9 20.9 31.3



#78
Pyrene
Concen: 60.609 ng
RT: 19.401 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

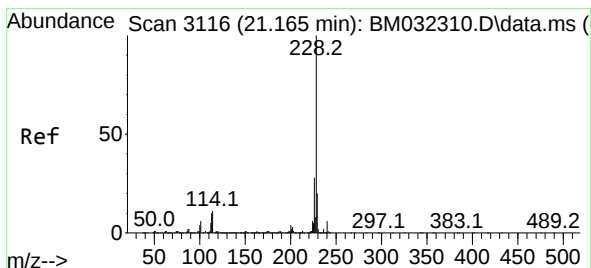
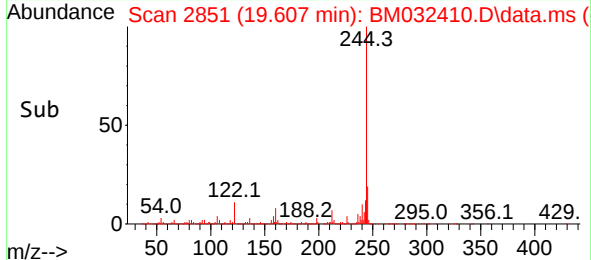
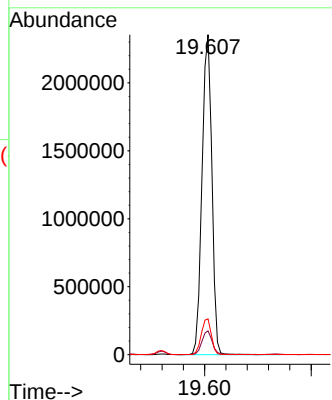
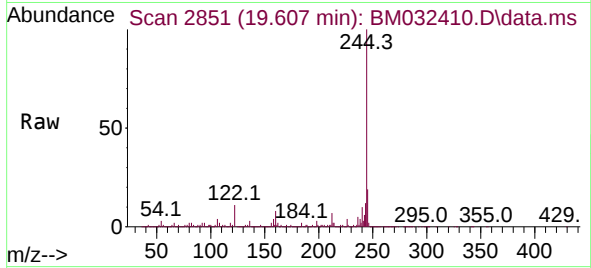




#79
 Terphenyl-d14
 Concen: 72.073 ng
 RT: 19.607 min Scan# 2851
 Delta R.T. 0.000 min
 Lab File: BM032410.D
 Acq: 09 Oct 2021 01:23

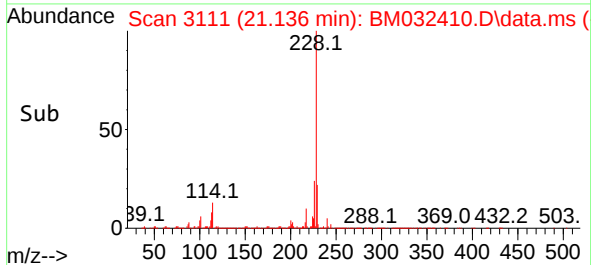
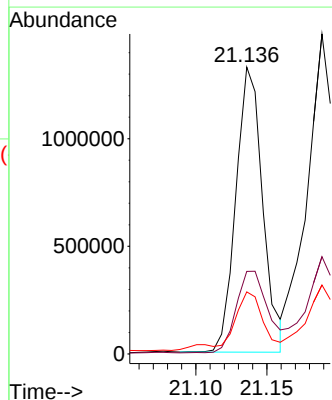
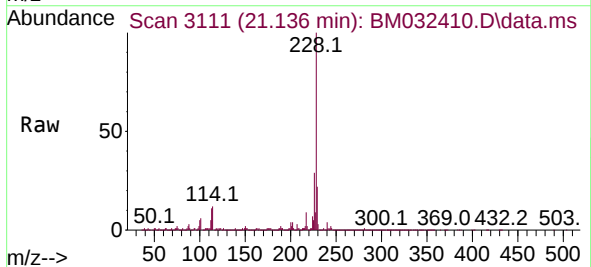
Instrument :
 BNA_M
 ClientSampleId :
 SB-4(0-0.5)

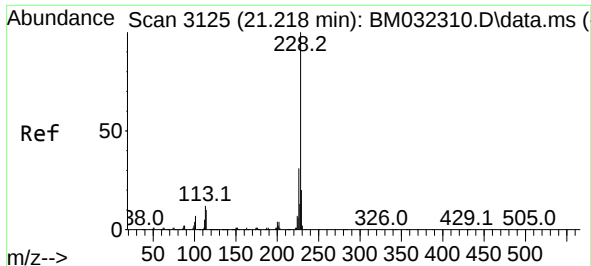
Tgt Ion:244 Resp: 3014988
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 11.2 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 31.566 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



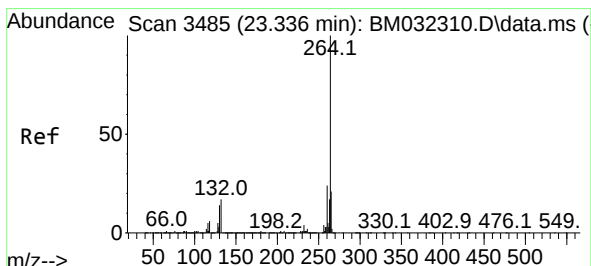
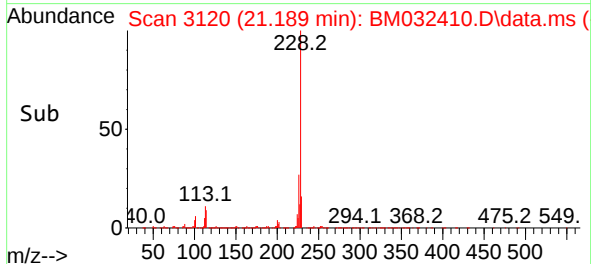
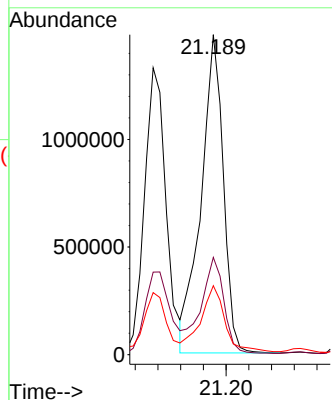
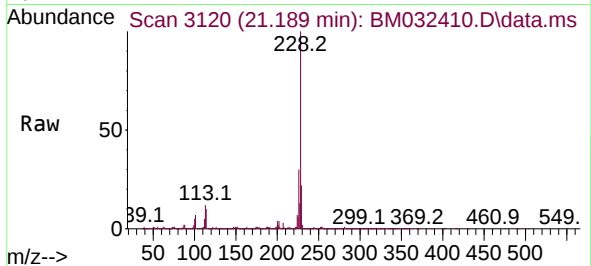


#83
Chrysene
Concen: 37.718 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

Tgt Ion:228 Resp: 2009361

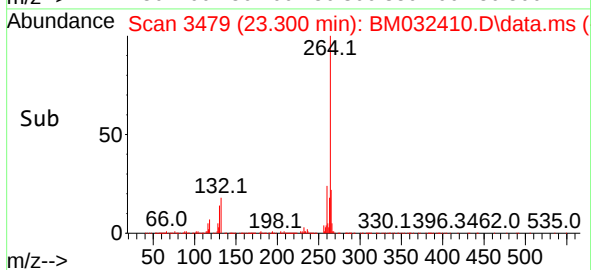
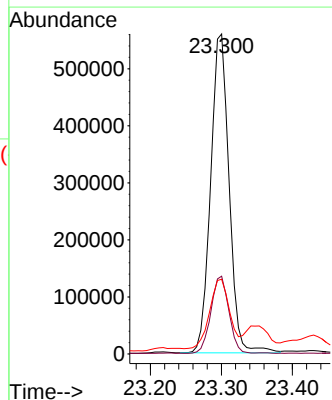
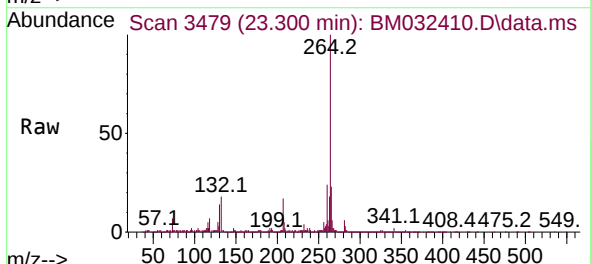
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	21.5	16.0	24.0

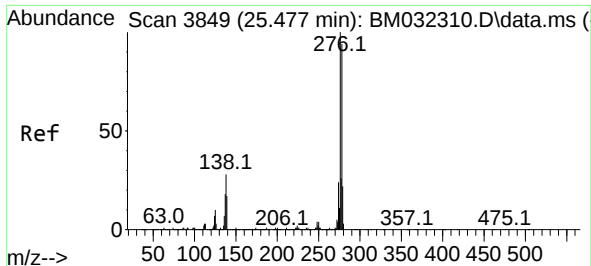


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.300 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

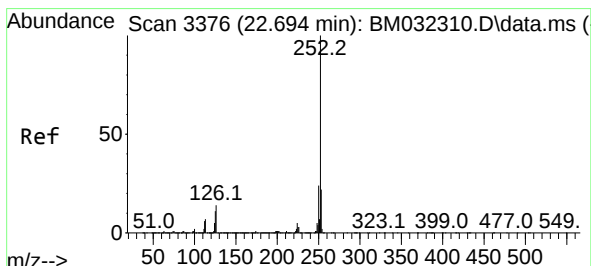
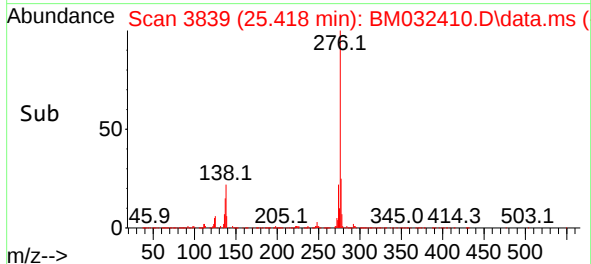
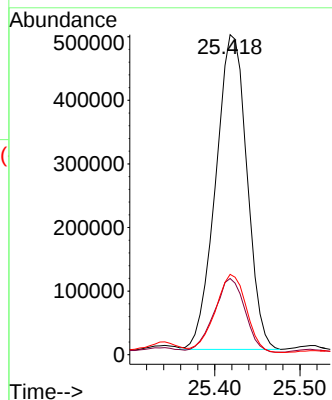
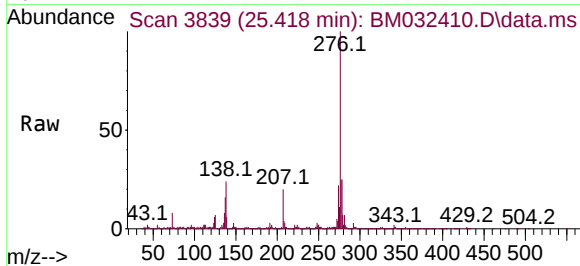




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.294 ng
RT: 25.418 min Scan# 3839
Delta R.T. -0.012 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

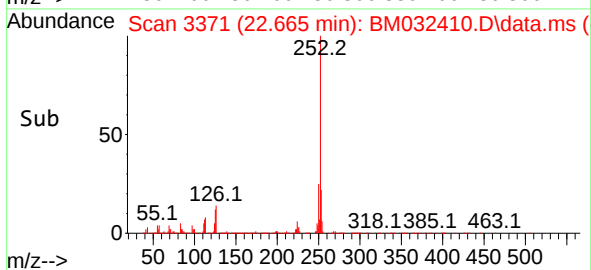
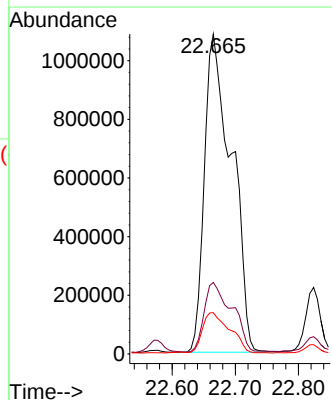
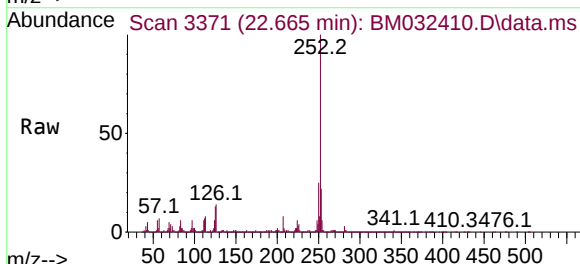
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

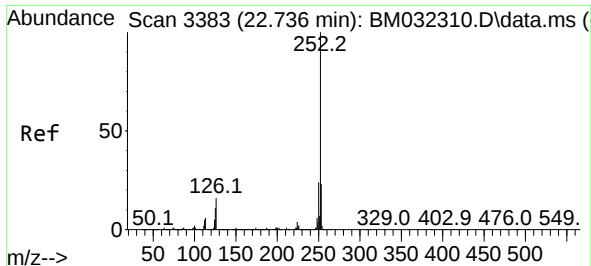
Tgt Ion:276 Resp: 1259947
Ion Ratio Lower Upper
276 100
138 23.1 18.4 27.6
277 24.9 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 52.934 ng
RT: 22.665 min Scan# 3371
Delta R.T. 0.000 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

Tgt Ion:252 Resp: 3244252
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.9 7.5 11.3#

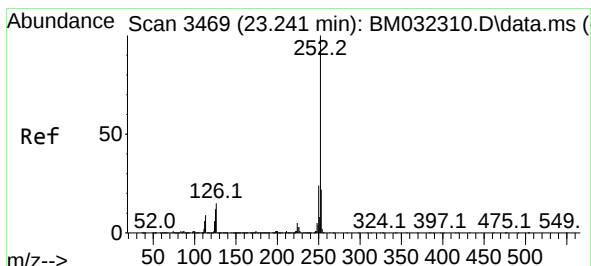
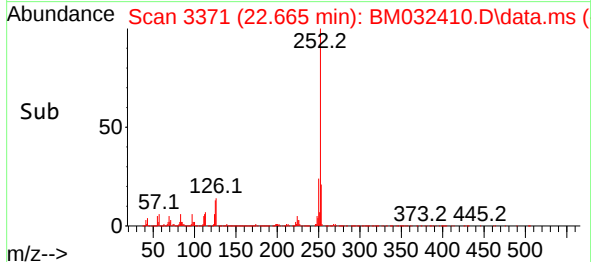
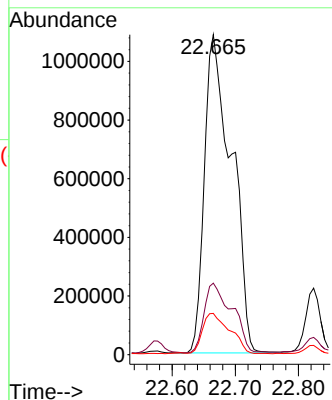
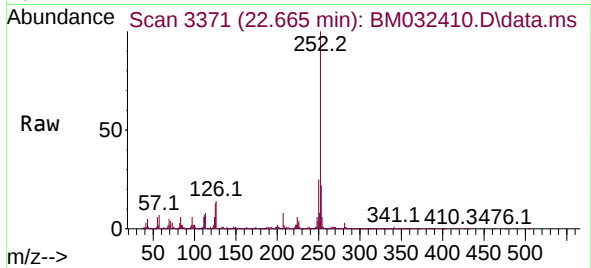




#89
Benzo(k)fluoranthene
Concen: 54.186 ng
RT: 22.665 min Scan# 3371
Delta R.T. -0.041 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

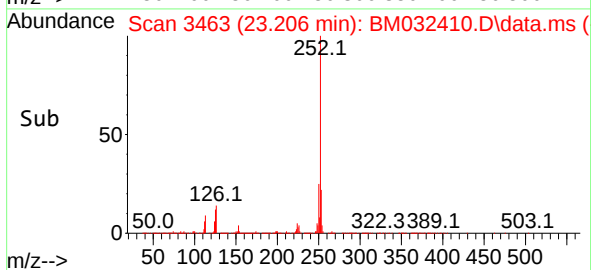
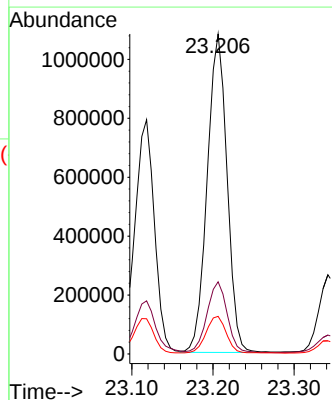
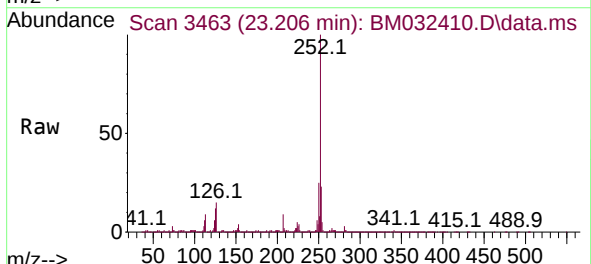
Instrument :
BNA_M
ClientSampleId :
SB-4(0-0.5)

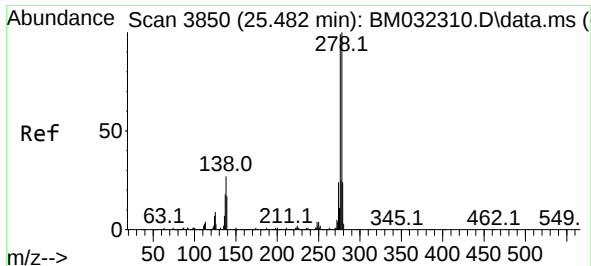
Tgt Ion:252 Resp: 3244252
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 12.9 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 36.899 ng
RT: 23.206 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

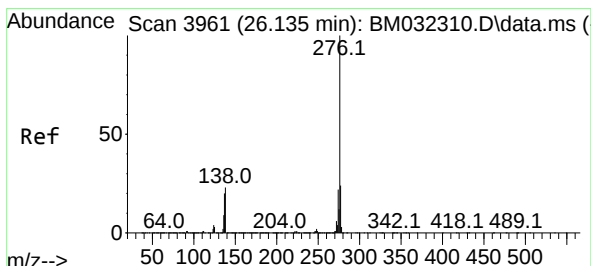
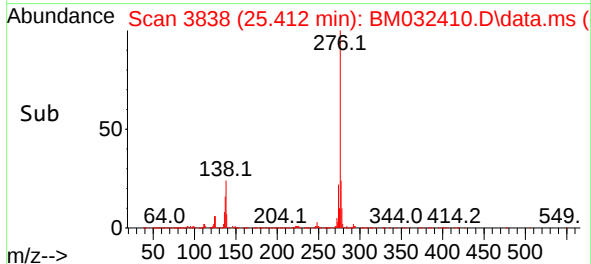
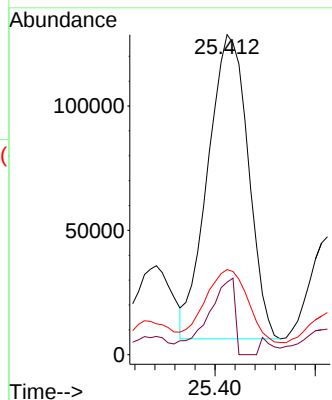
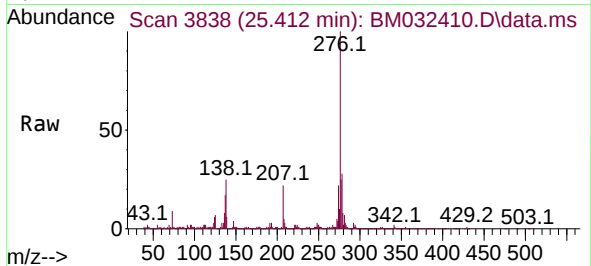




#91
Dibenzo(a,h)anthracene
Concen: 6.540 ng
RT: 25.412 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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

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: 25.531 ng
RT: 26.077 min Scan# 3951
Delta R.T. -0.006 min
Lab File: BM032410.D
Acq: 09 Oct 2021 01:23

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#

