

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
 Data File : BM032402.D
 Acq On : 08 Oct 2021 20:32
 Operator : CG/JU
 Sample : M4136-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PSC124055

Quant Time: Oct 09 02:16:48 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)

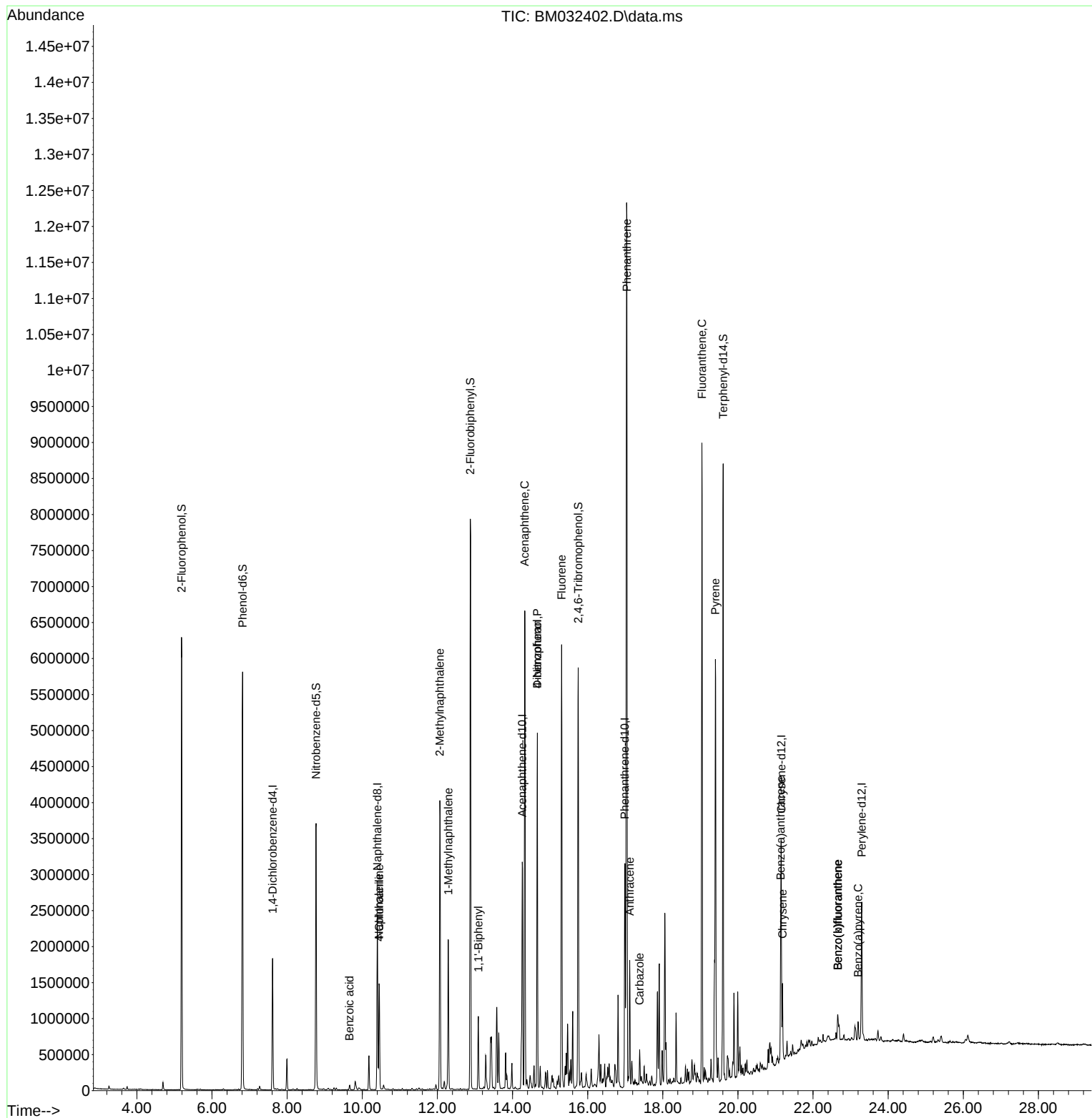
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	482705	20.000	ng	0.00
21) Naphthalene-d8	10.401	136	1903509	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	1082036	20.000	ng	0.00
64) Phenanthrene-d10	16.989	188	1910634	20.000	ng	# 0.00
76) Chrysene-d12	21.153	240	1217010	20.000	ng	0.00
86) Perylene-d12	23.295	264	1226399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	2726325	95.164	ng	0.00
7) Phenol-d6	6.813	99	3471030	88.597	ng	0.00
23) Nitrobenzene-d5	8.772	82	2118789	61.908	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	843032	69.595	ng	0.00
45) 2-Fluorobiphenyl	12.878	172	4191337	57.593	ng	0.00
79) Terphenyl-d14	19.607	244	3906071	67.595	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.448	128	1170464	11.984	ng	100
32) Benzoic acid	9.660	122	55	4.823	ng	# 1
33) 4-Chloroaniline	10.454	127	153598	3.810	ng	# 32
37) 2-Methylnaphthalene	12.066	142	1893908	28.531	ng	95
38) 1-Methylnaphthalene	12.289	142	939274	14.480	ng	# 98
46) 1,1'-Biphenyl	13.089	154	508418	6.367	ng	99
52) Acenaphthene	14.325	154	2357167	37.585	ng	98
55) Dibenzofuran	14.660	168	2884665	30.216	ng	93
56) 4-Nitrophenol	14.660	139	1090751	76.050	ng	# 1
58) Fluorene	15.307	166	2657502	36.601	ng	98
71) Phenanthrene	17.042	178	8094561	80.718	ng	98
72) Anthracene	17.118	178	954057	9.736	ng	100
73) Carbazole	17.383	167	292363	3.005	ng	98
75) Fluoranthene	19.042	202	5369422	48.284	ng	96
78) Pyrene	19.401	202	3732809	45.232	ng	98
81) Benzo(a)anthracene	21.136	228	678560	8.920	ng	98
83) Chrysene	21.189	228	555033	7.542	ng	99
88) Benzo(b)fluoranthene	22.659	252	404271	5.419	ng	97
89) Benzo(k)fluoranthene	22.659	252	404271	5.547	ng	96
90) Benzo(a)pyrene	23.200	252	166751	2.756	ng	# 96

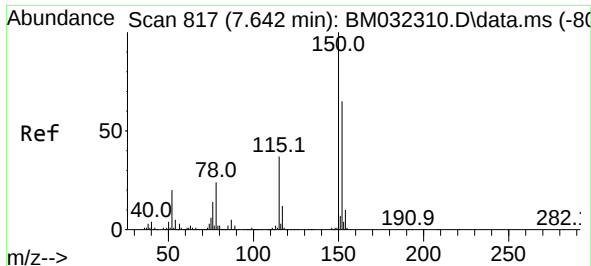
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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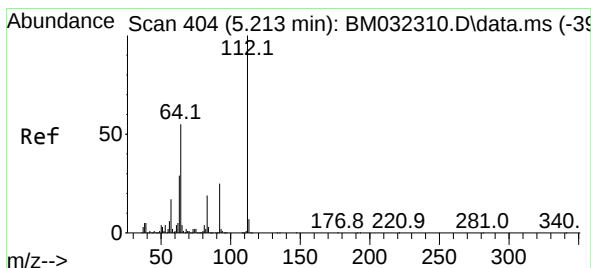
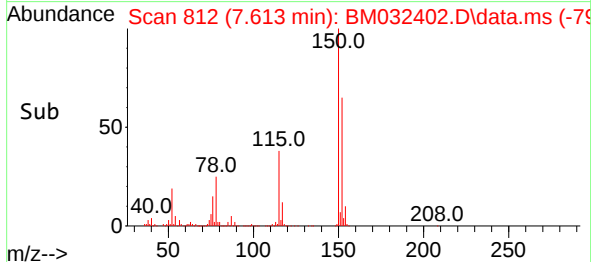
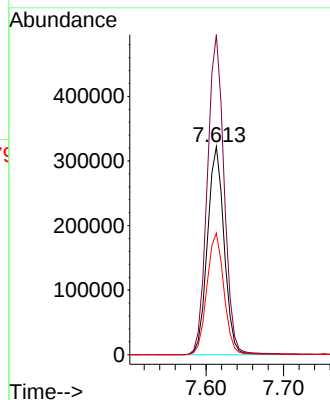
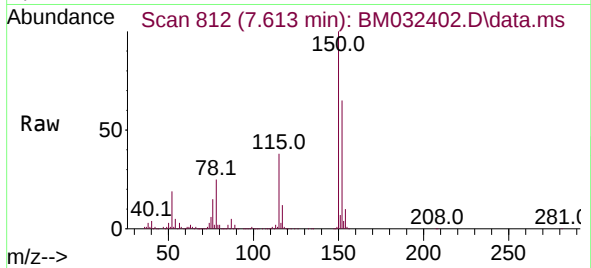




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

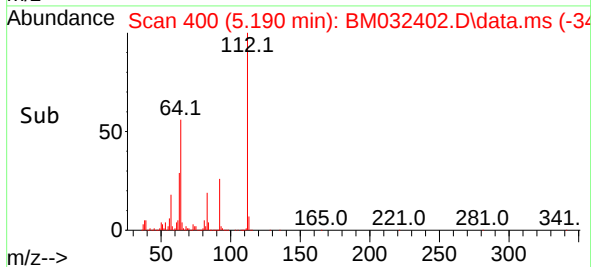
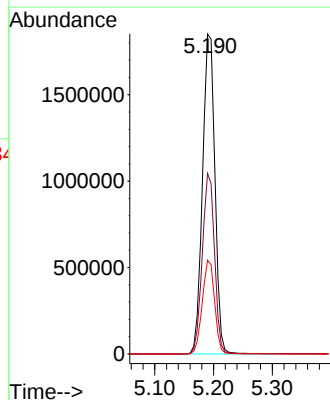
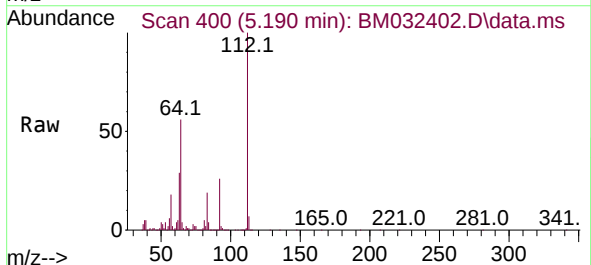
Instrument :
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PSC124055

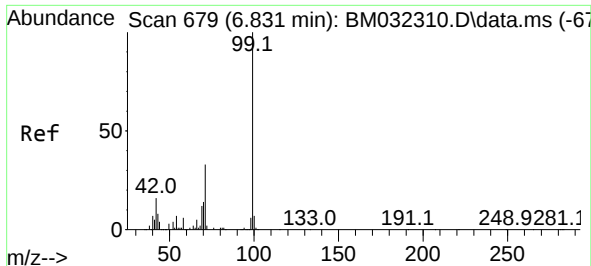
Tgt Ion:152 Resp: 482705
Ion Ratio Lower Upper
152 100
150 153.9 122.4 183.6
115 58.4 53.8 80.8



#5
2-Fluorophenol
Concen: 95.164 ng
RT: 5.190 min Scan# 400
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:112 Resp: 2726325
Ion Ratio Lower Upper
112 100
64 56.5 53.7 80.5
63 29.4 33.9 50.9#

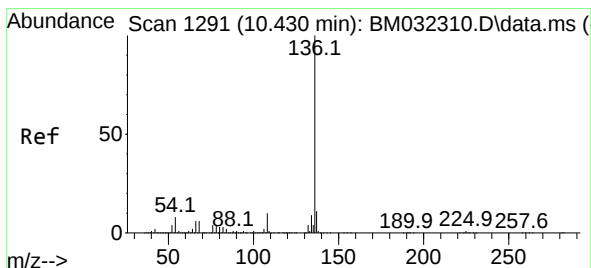
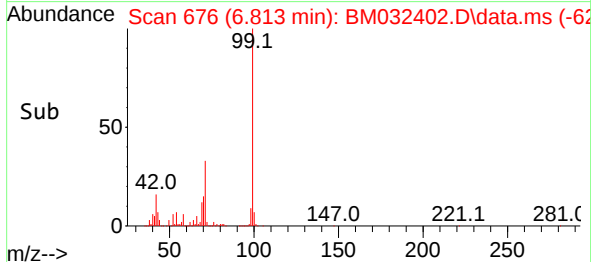
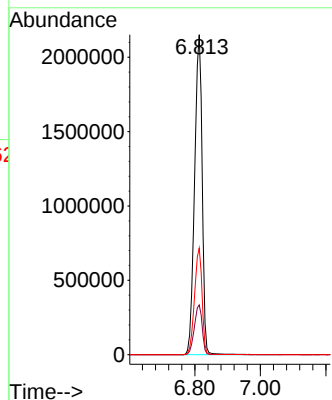
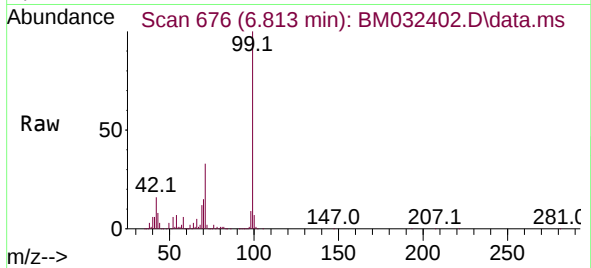




#7
Phenol-d6
Concen: 88.597 ng
RT: 6.813 min Scan# 676
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

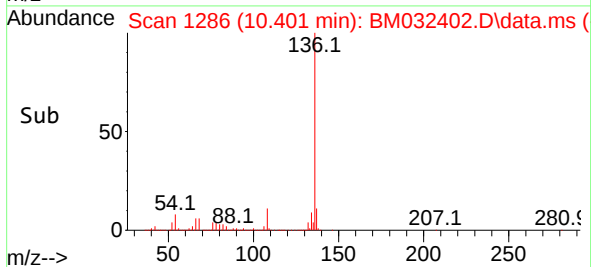
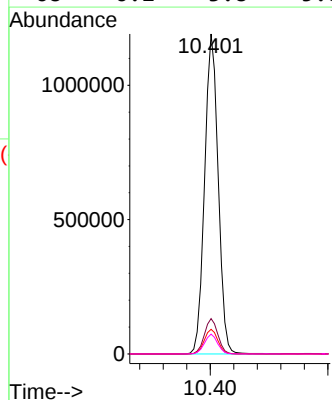
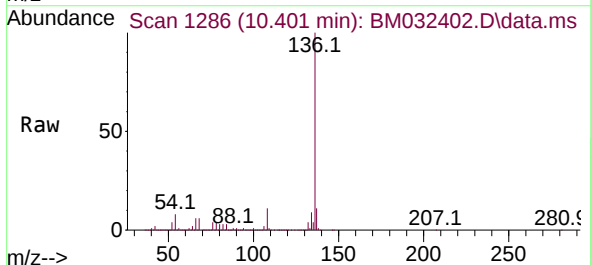
Instrument :
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ClientSampleId :
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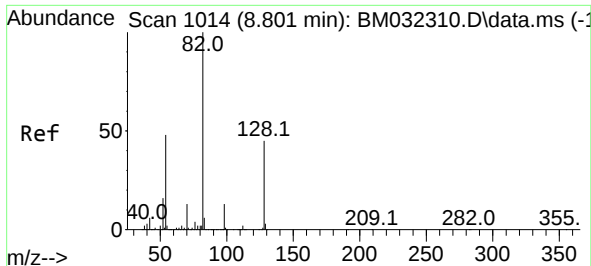
Tgt Ion: 99 Resp: 3471030
Ion Ratio Lower Upper
99 100
42 15.6 23.0 34.6#
71 33.3 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion: 136 Resp: 1903509
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.7 7.4 11.0
68 6.2 3.8 5.8#

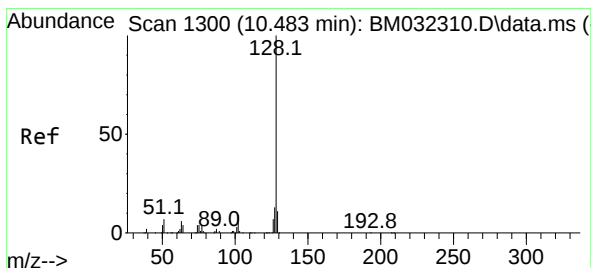
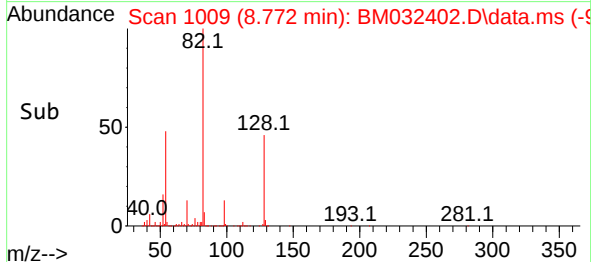
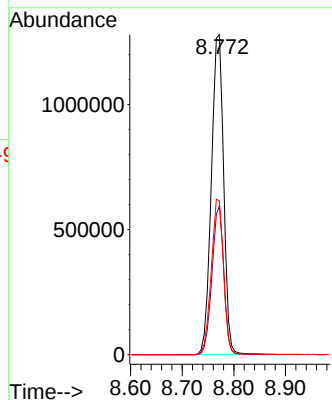
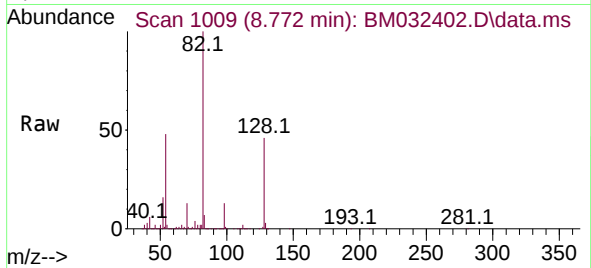




#23
Nitrobenzene-d5
Concen: 61.908 ng
RT: 8.772 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

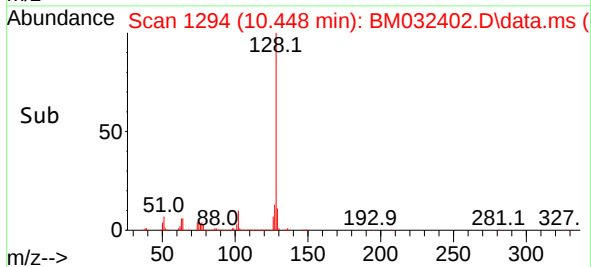
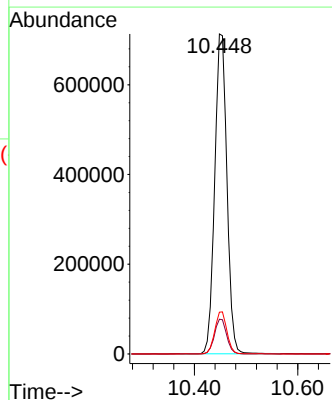
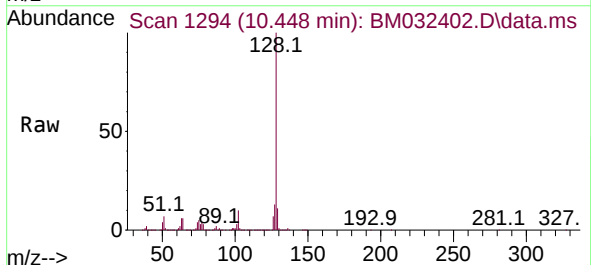
Instrument :
BNA_M
ClientSampleId :
PSC124055

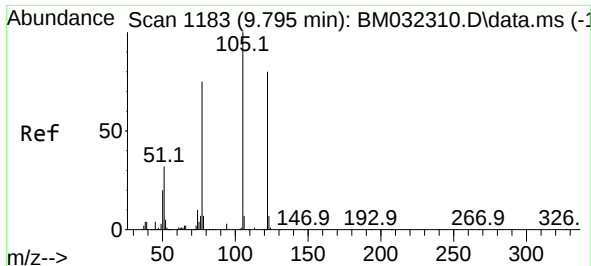
Tgt Ion: 82 Resp: 2118789
Ion Ratio Lower Upper
82 100
128 46.5 29.0 43.6#
54 48.0 45.8 68.8



#31
Naphthalene
Concen: 11.984 ng
RT: 10.448 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion: 128 Resp: 1170464
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.4 15.6

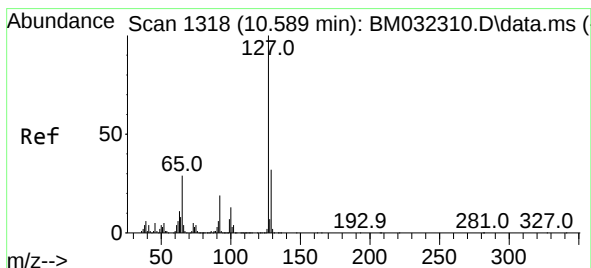
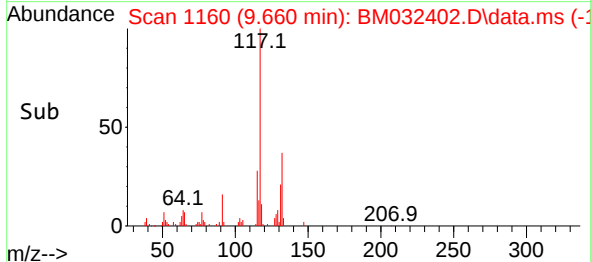
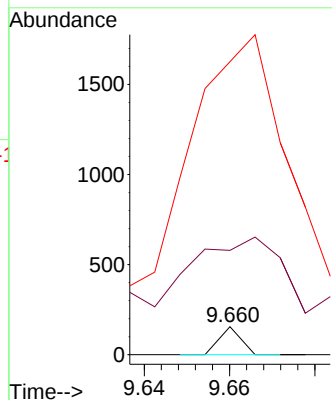
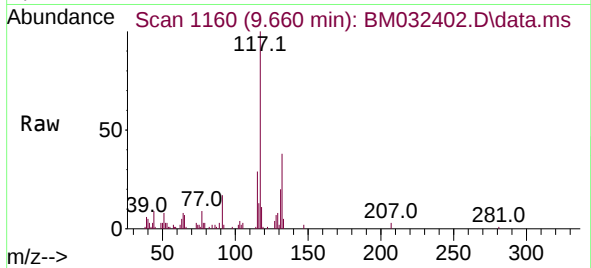




#32
Benzoic acid
Concen: 4.823 ng
RT: 9.660 min Scan# 1160
Delta R.T. -0.112 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

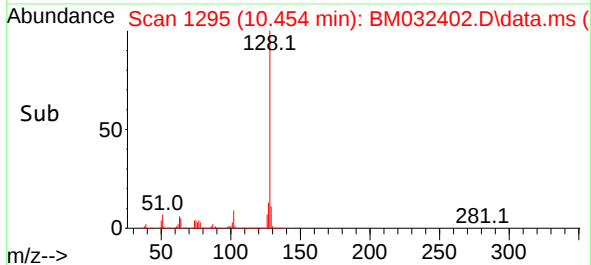
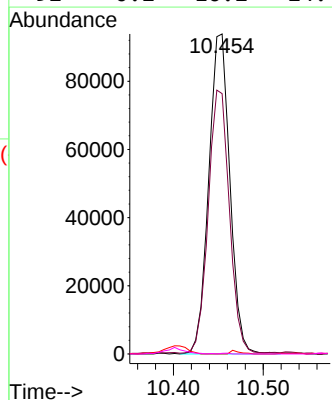
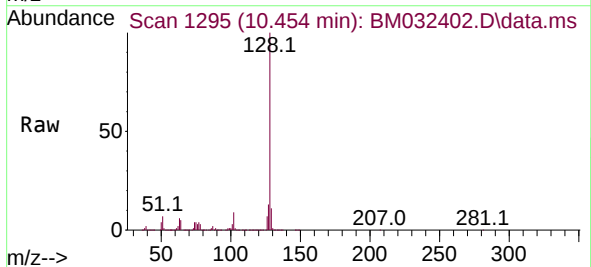
Instrument :
BNA_M
ClientSampleId :
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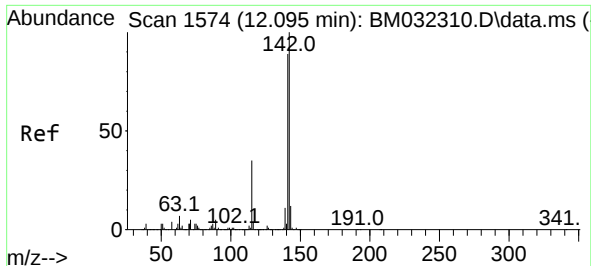
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 371.2 120.3 160.3#
77 1042.3 100.0 140.0#



#33
4-Chloroaniline
Concen: 3.810 ng
RT: 10.454 min Scan# 1295
Delta R.T. -0.112 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:127 Resp: 153598
Ion Ratio Lower Upper
127 100
129 81.3 25.6 38.4#
65 0.0 30.4 45.6#
92 0.2 16.2 24.4#

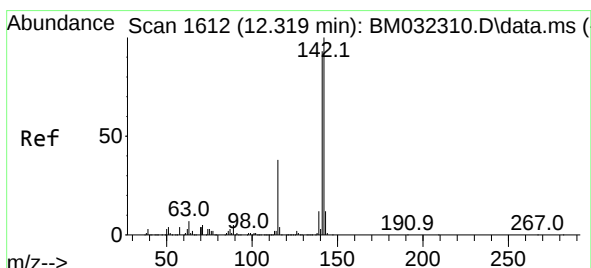
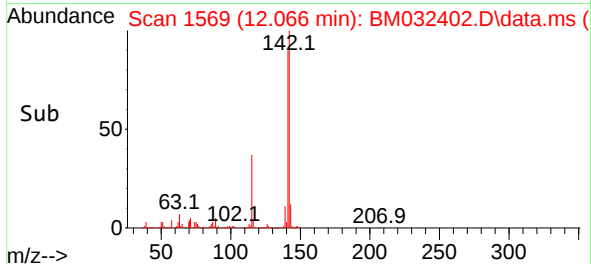
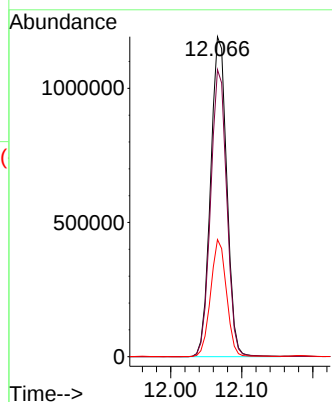
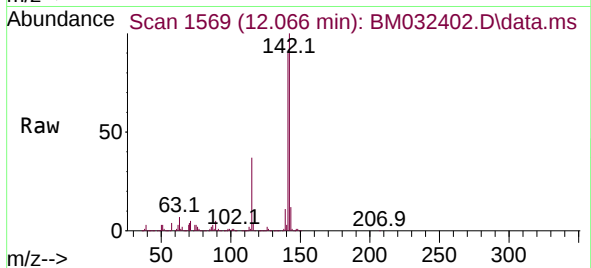




#37
2-Methylnaphthalene
Concen: 28.531 ng
RT: 12.066 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

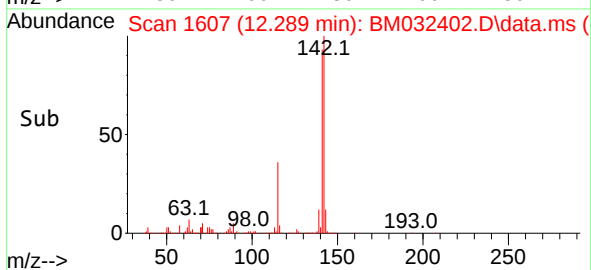
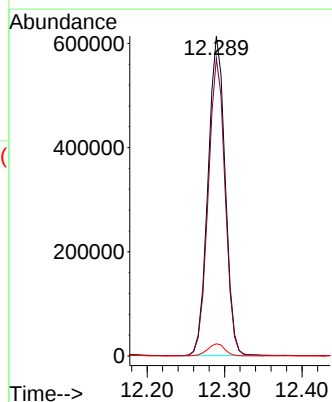
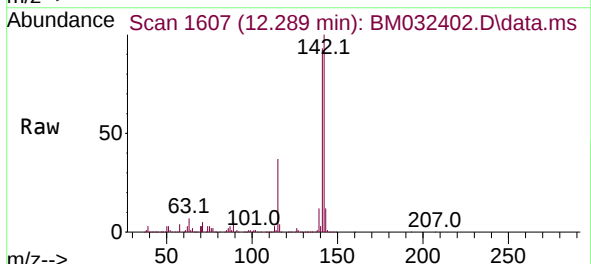
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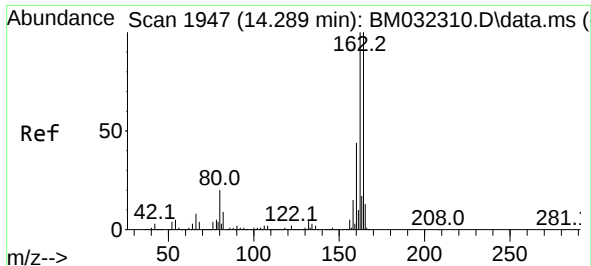
Tgt Ion:142 Resp: 1893908
Ion Ratio Lower Upper
142 100
141 89.7 71.8 107.6
115 36.6 36.3 54.5



#38
1-Methylnaphthalene
Concen: 14.480 ng
RT: 12.289 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:142 Resp: 939274
Ion Ratio Lower Upper
142 100
141 93.1 75.6 113.4
116 3.8 4.0 6.0#

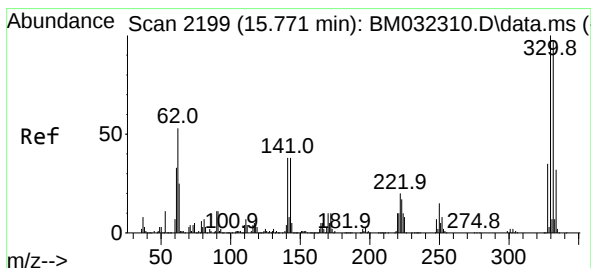
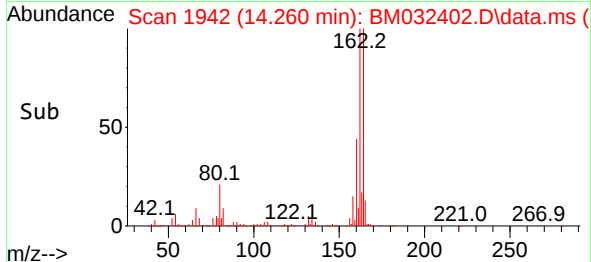
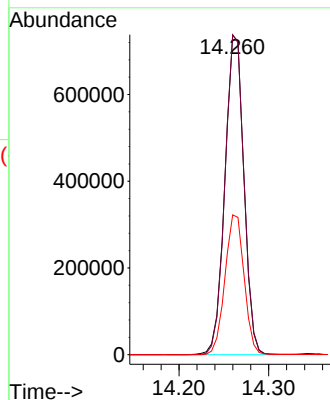
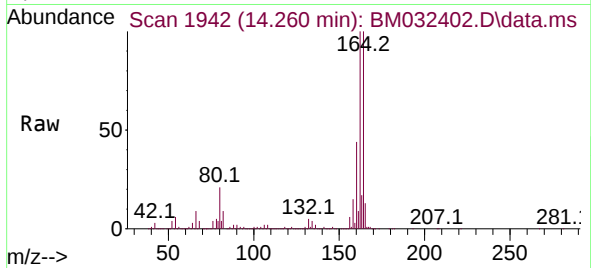




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

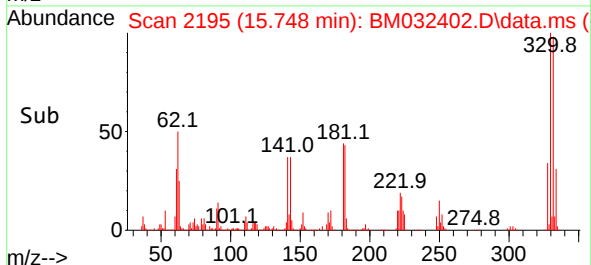
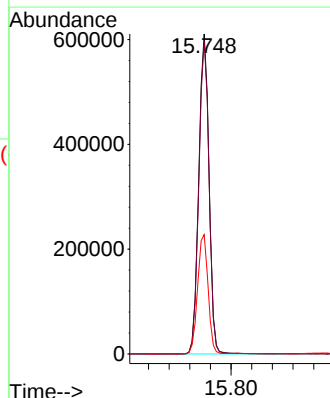
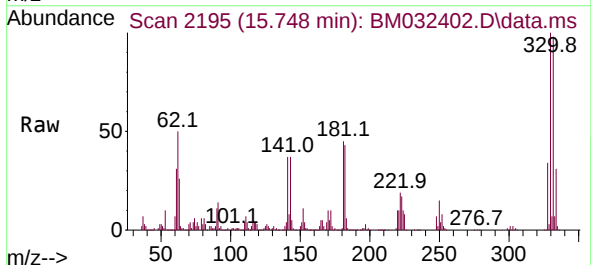
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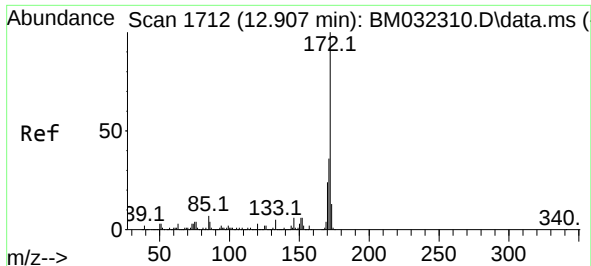
Tgt Ion:164 Resp: 1082036
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 43.8 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 69.595 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:330 Resp: 843032
Ion Ratio Lower Upper
330 100
332 97.2 75.7 113.5
141 37.8 50.7 76.1#

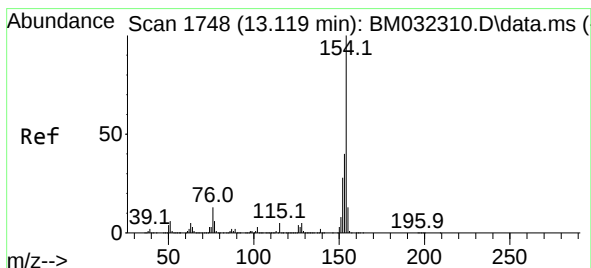
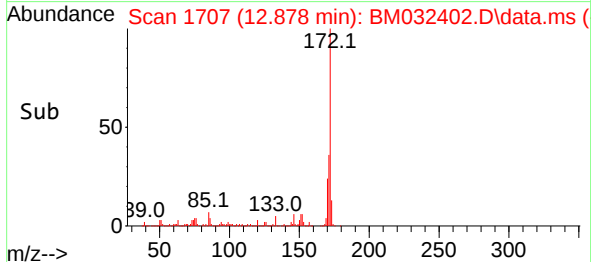
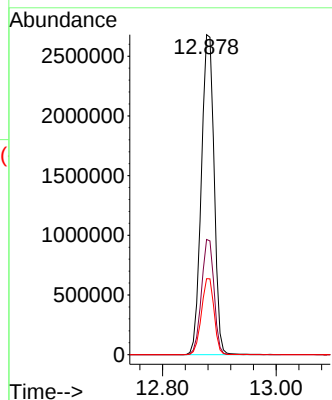
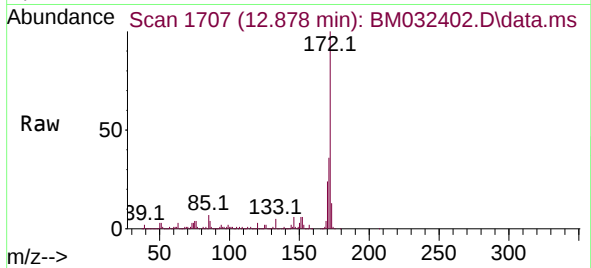




#45
2-Fluorobiphenyl
Concen: 57.593 ng
RT: 12.878 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

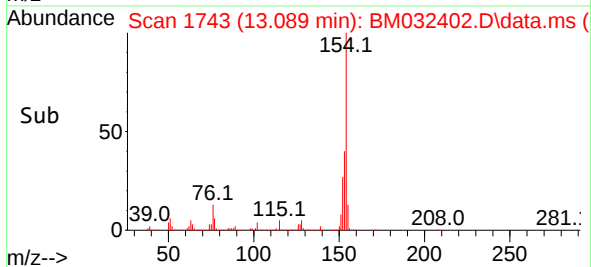
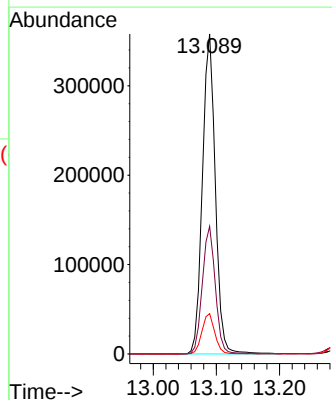
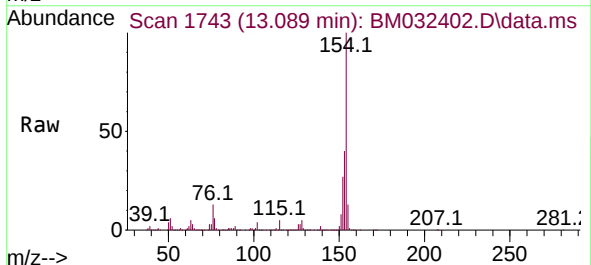
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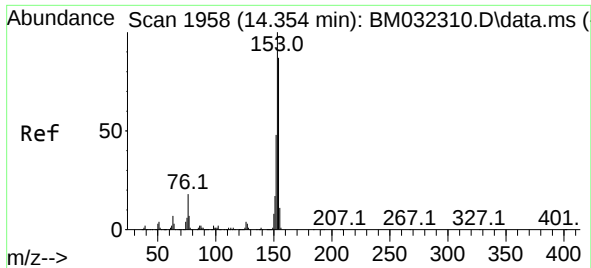
Tgt Ion:172 Resp: 4191337
Ion Ratio Lower Upper
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171 36.0 28.1 42.1
170 23.7 18.6 27.8



#46
1,1'-Biphenyl
Concen: 6.367 ng
RT: 13.089 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:154 Resp: 508418
Ion Ratio Lower Upper
154 100
153 39.9 20.3 60.3
76 12.6 0.0 33.5

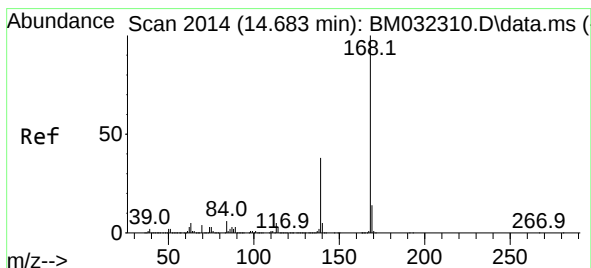
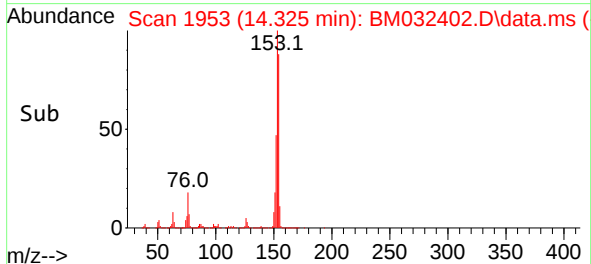
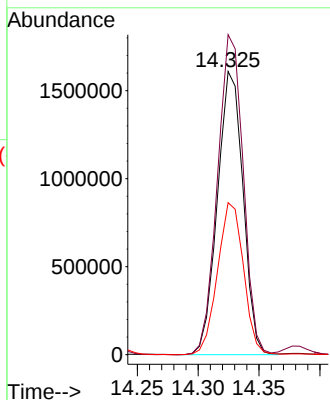
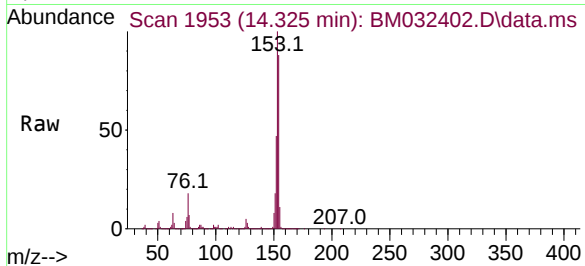




#52
Acenaphthene
Concen: 37.585 ng
RT: 14.325 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

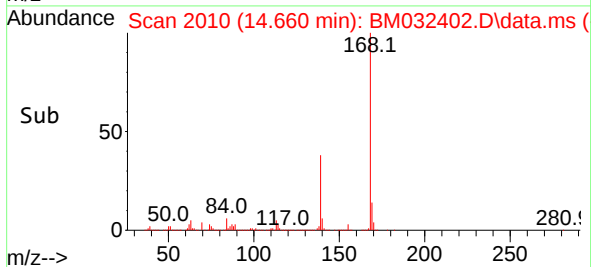
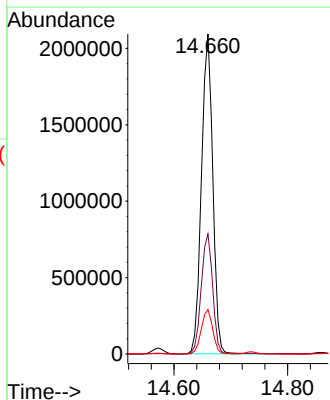
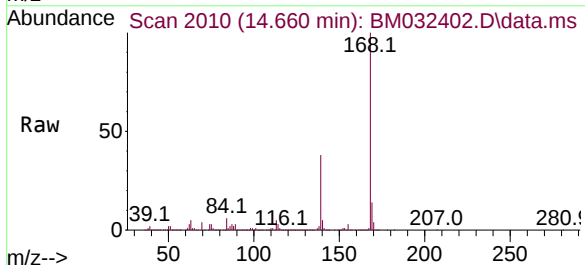
Instrument :
BNA_M
ClientSampleId :
PSC124055

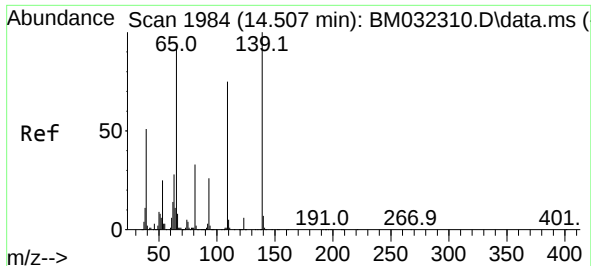
Tgt Ion:154 Resp: 2357167
Ion Ratio Lower Upper
154 100
153 113.0 92.4 138.6
152 53.7 43.7 65.5



#55
Dibenzofuran
Concen: 30.216 ng
RT: 14.660 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:168 Resp: 2884665
Ion Ratio Lower Upper
168 100
139 37.5 35.0 52.4
169 13.8 10.8 16.2

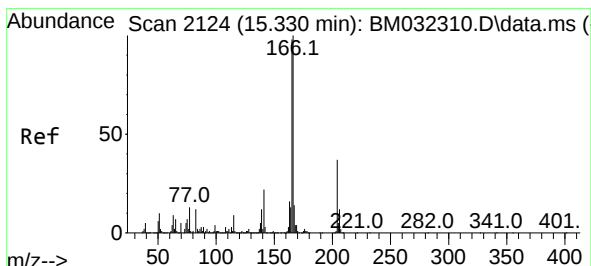
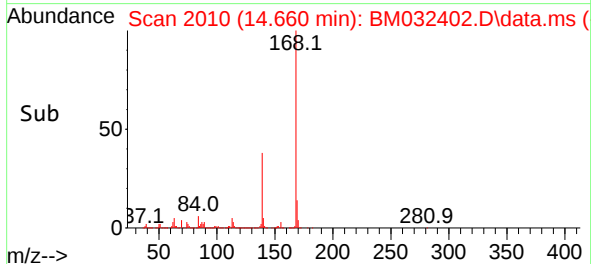
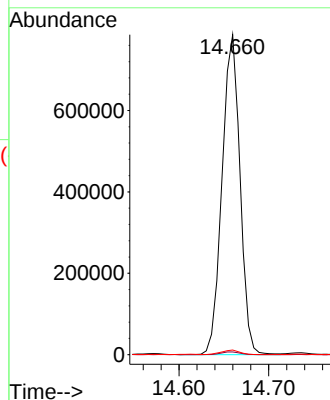
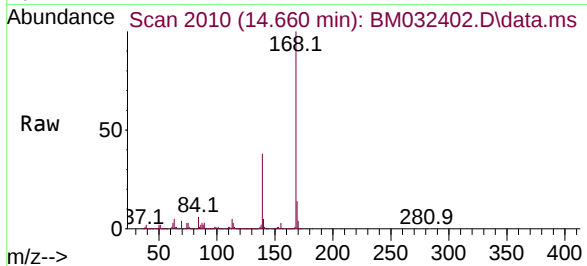




#56
4-Nitrophenol
Concen: 76.050 ng
RT: 14.660 min Scan# 2010
Delta R.T. 0.171 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

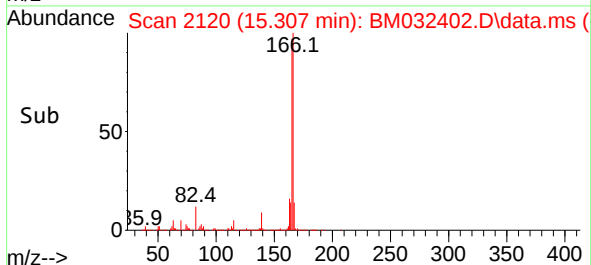
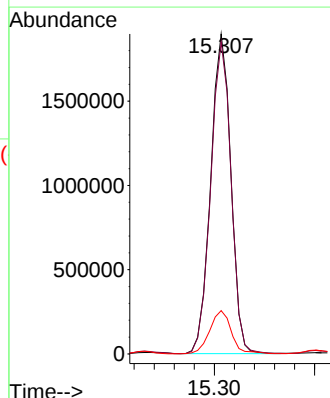
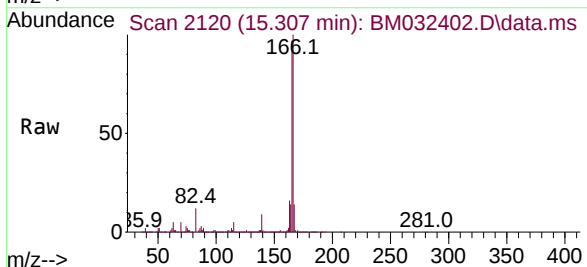
Instrument :
BNA_M
ClientSampleId :
PSC124055

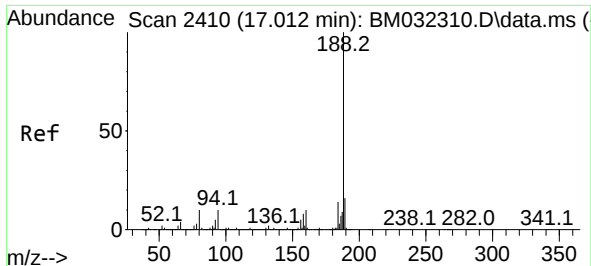
Tgt Ion:139 Resp: 1090751
Ion Ratio Lower Upper
139 100
109 0.9 92.3 132.3#
65 1.4 110.5 150.5#



#58
Fluorene
Concen: 36.601 ng
RT: 15.307 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:166 Resp: 2657502
Ion Ratio Lower Upper
166 100
165 97.5 79.3 118.9
167 13.6 10.6 16.0

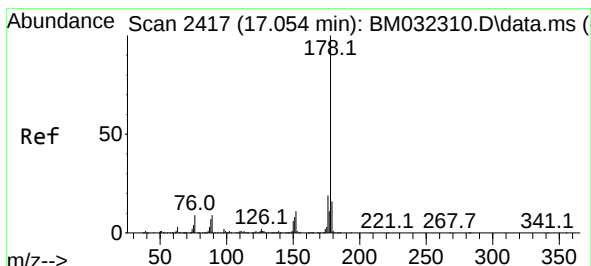
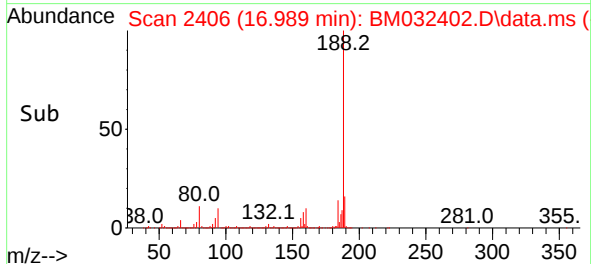
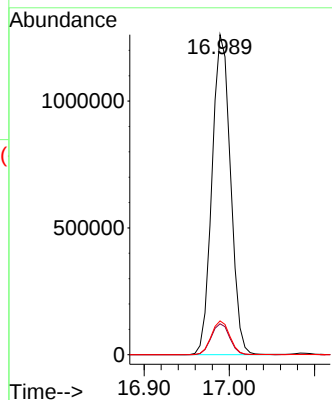
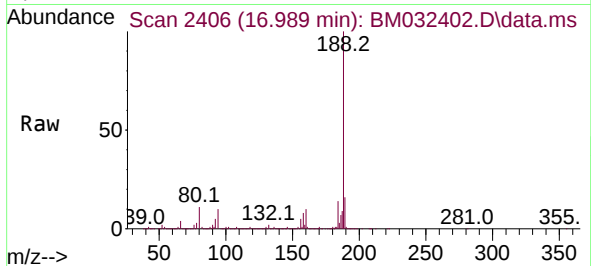




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

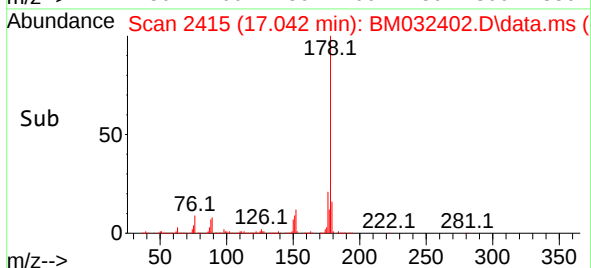
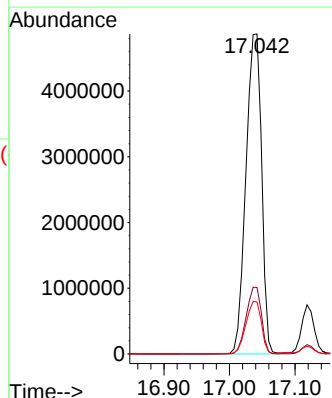
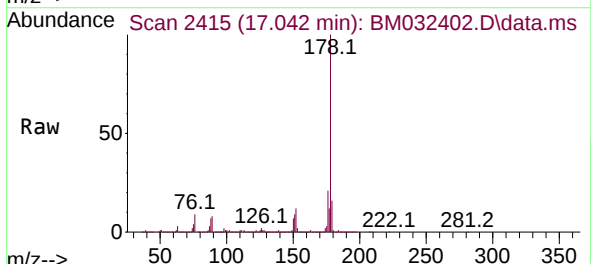
Instrument :
BNA_M
ClientSampleId :
PSC124055

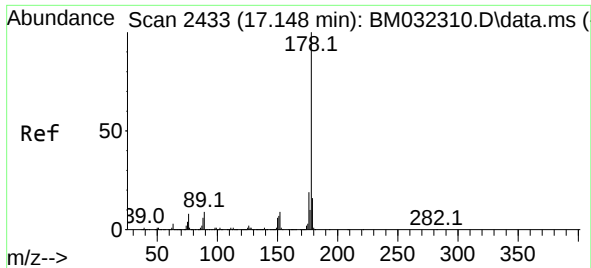
Tgt Ion:188 Resp: 1910634
Ion Ratio Lower Upper
188 100
94 9.7 6.3 9.5#
80 10.5 7.3 10.9



#71
Phenanthrene
Concen: 80.718 ng
RT: 17.042 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:178 Resp: 8094561
Ion Ratio Lower Upper
178 100
176 20.8 15.6 23.4
179 16.2 12.4 18.6

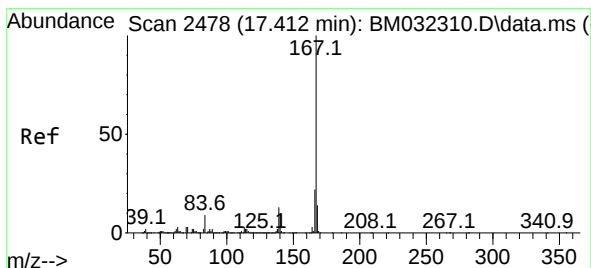
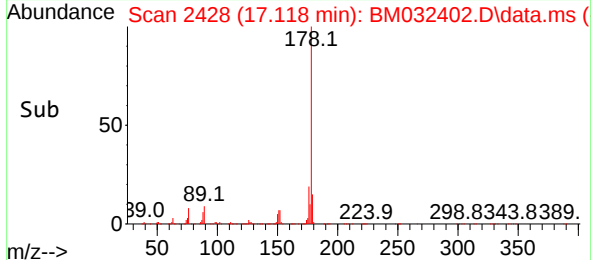
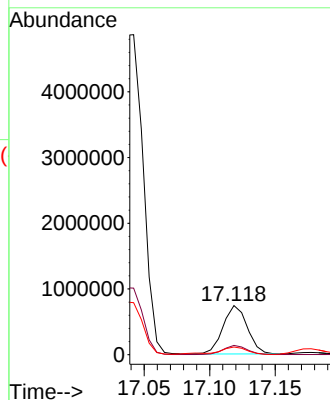
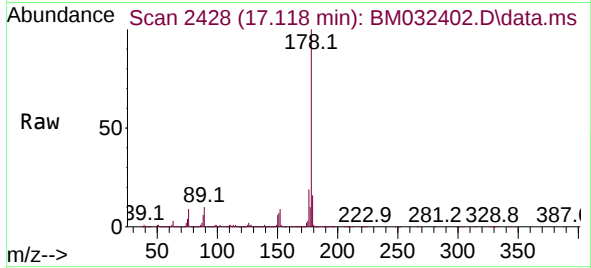




#72
 Anthracene
 Concen: 9.736 ng
 RT: 17.118 min Scan# 2428
 Delta R.T. -0.006 min
 Lab File: BM032402.D
 Acq: 08 Oct 2021 20:32

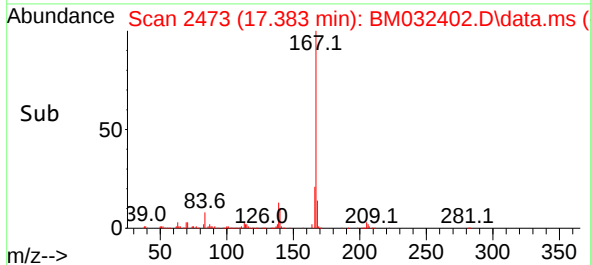
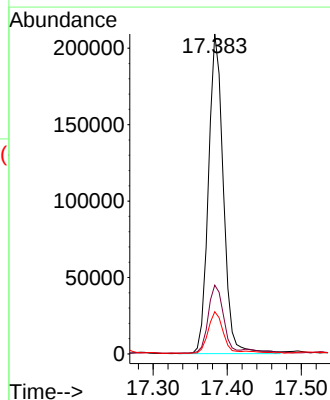
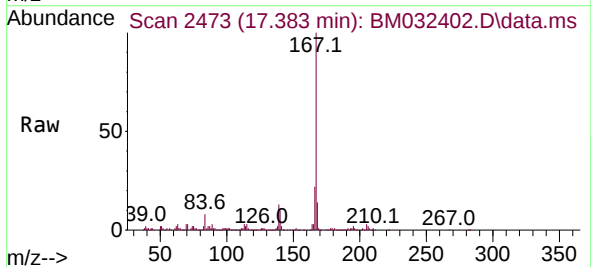
Instrument :
 BNA_M
 ClientSampleId :
 PSC124055

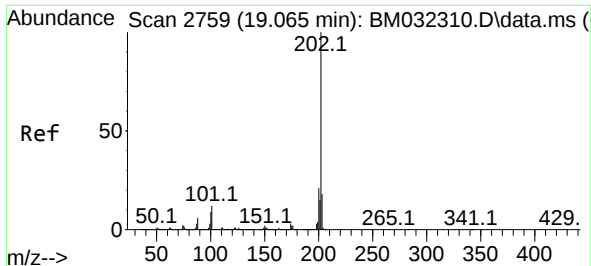
Tgt Ion:178 Resp: 954057
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.5 12.3 18.5



#73
 Carbazole
 Concen: 3.005 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032402.D
 Acq: 08 Oct 2021 20:32

Tgt Ion:167 Resp: 292363
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.2 11.9 17.9

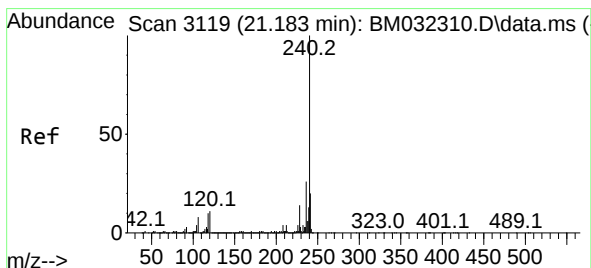
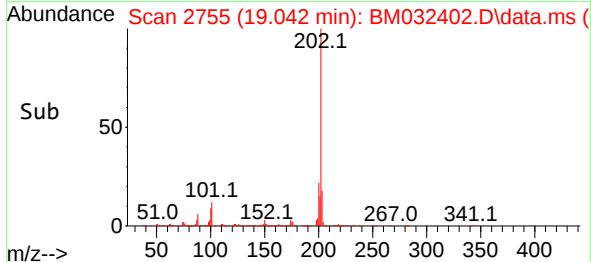
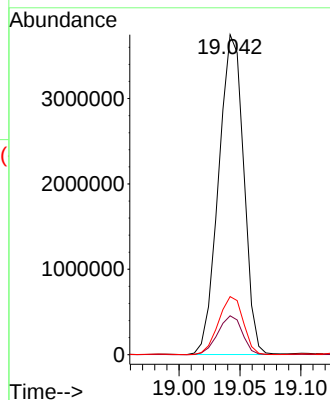
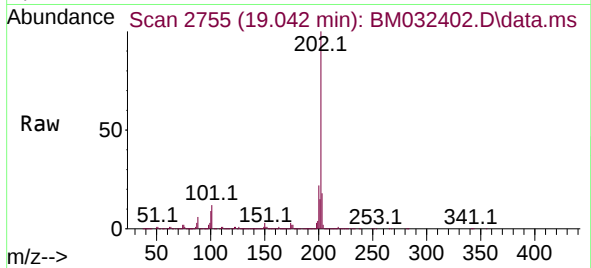




#75
Fluoranthene
Concen: 48.284 ng
RT: 19.042 min Scan# 2755
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

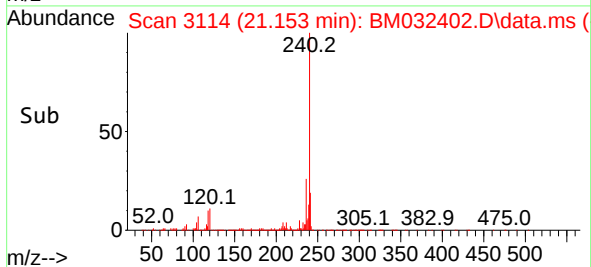
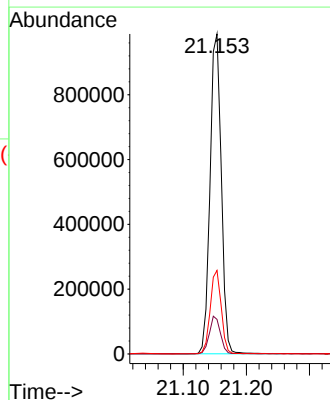
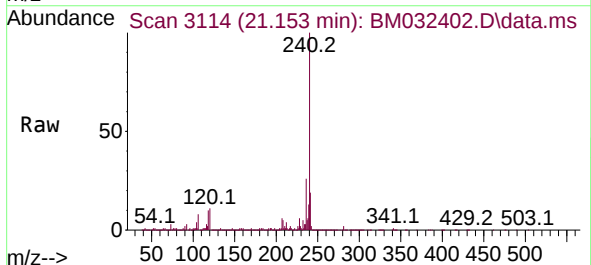
Instrument :
BNA_M
ClientSampleId :
PSC124055

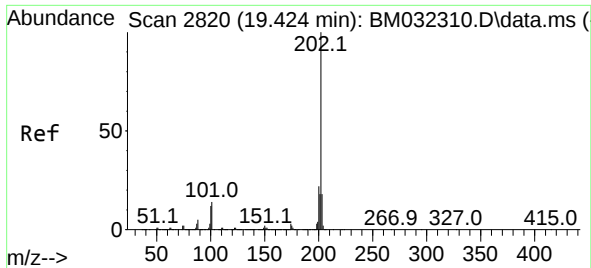
Tgt Ion:202 Resp: 5369422
Ion Ratio Lower Upper
202 100
101 12.2 0.0 29.9
203 18.2 0.0 36.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:240 Resp: 1217010
Ion Ratio Lower Upper
240 100
120 10.8 7.8 11.6
236 26.1 20.9 31.3

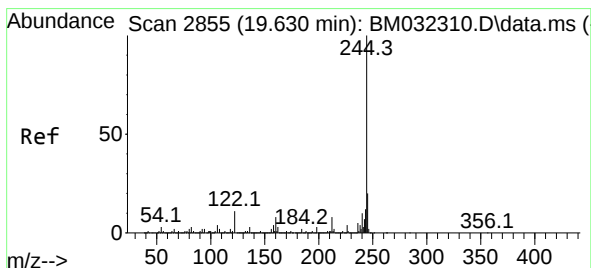
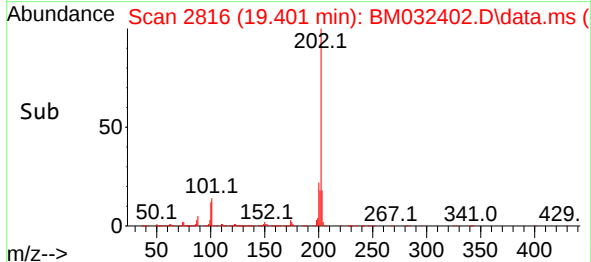
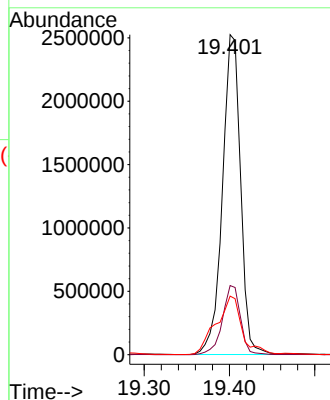
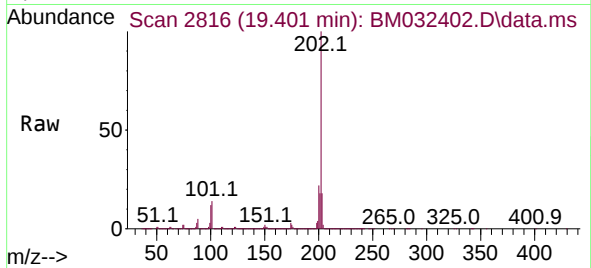




#78
Pyrene
Concen: 45.232 ng
RT: 19.401 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

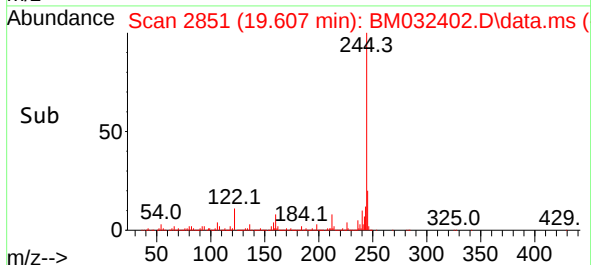
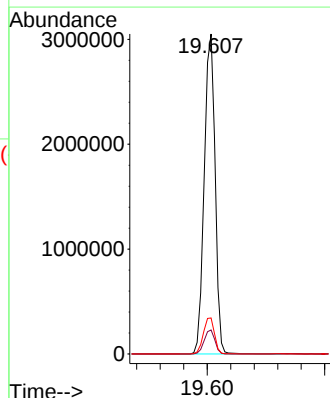
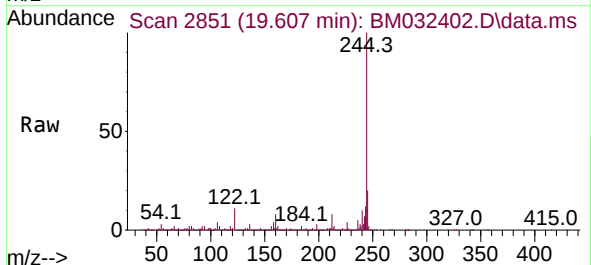
Instrument :
BNA_M
ClientSampleId :
PSC124055

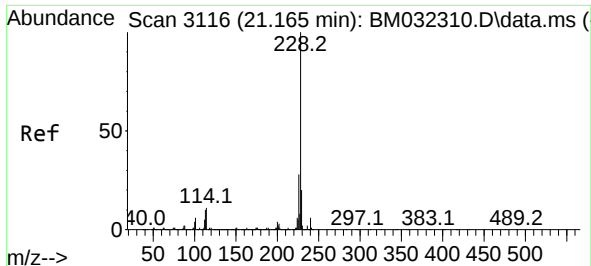
Tgt Ion:202 Resp: 3732809
Ion Ratio Lower Upper
202 100
200 21.6 16.6 25.0
203 18.3 13.7 20.5



#79
Terphenyl-d14
Concen: 67.595 ng
RT: 19.607 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:244 Resp: 3906071
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 11.2 8.7 13.1

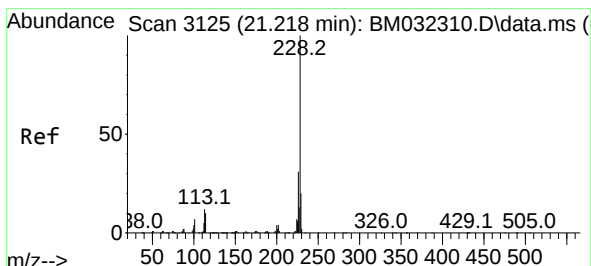
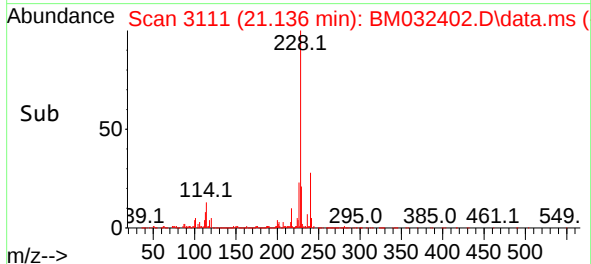
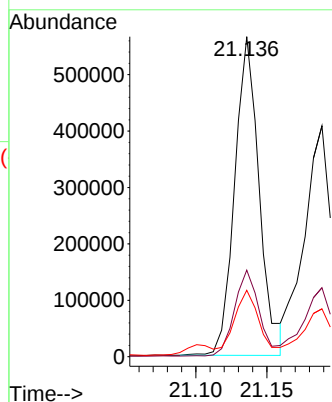
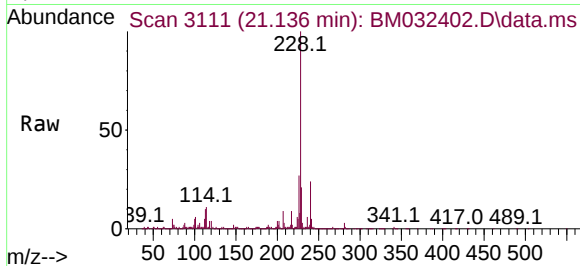




#81
Benzo(a)anthracene
Concen: 8.920 ng
RT: 21.136 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

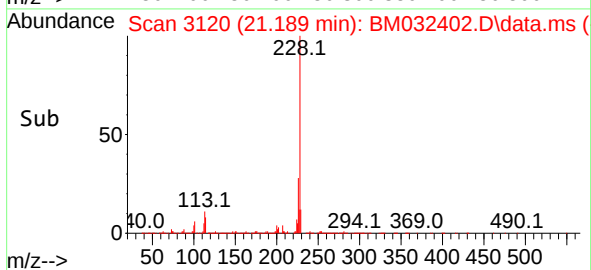
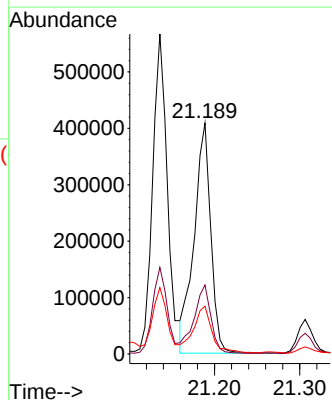
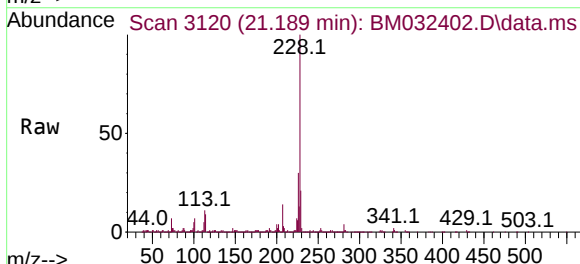
Instrument :
BNA_M
ClientSampleId :
PSC124055

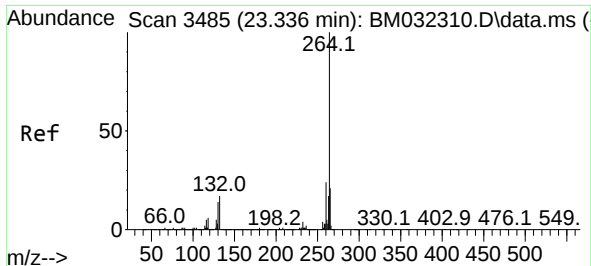
Tgt Ion:228 Resp: 678560
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 20.7 15.3 22.9



#83
Chrysene
Concen: 7.542 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:228 Resp: 555033
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 20.7 16.0 24.0

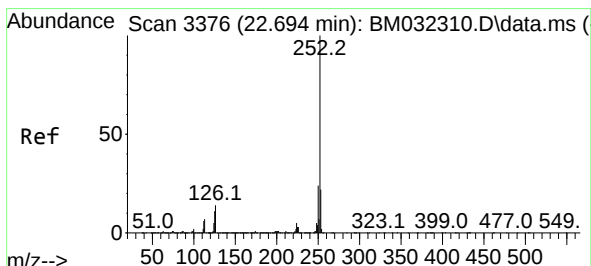
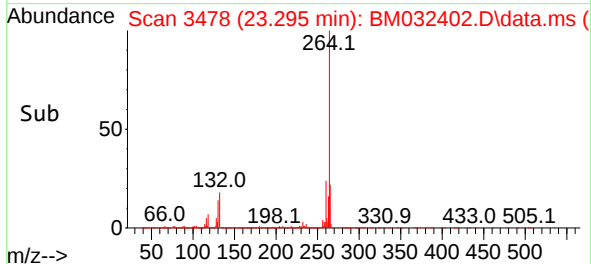
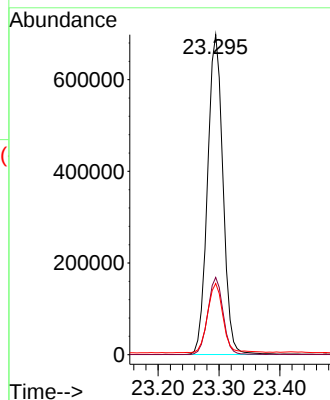
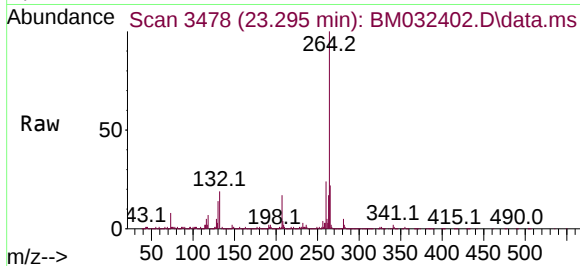




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.295 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

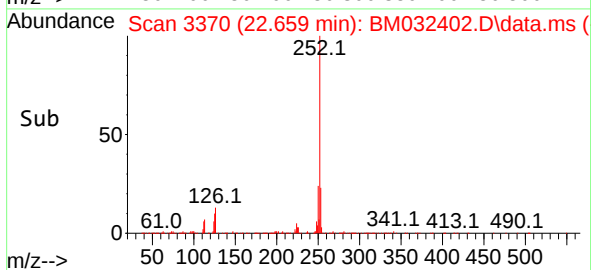
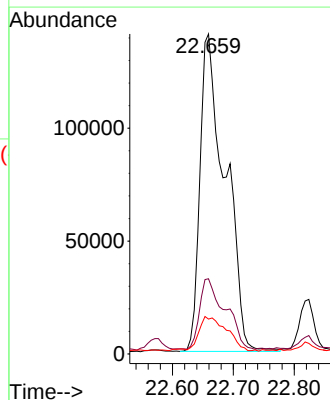
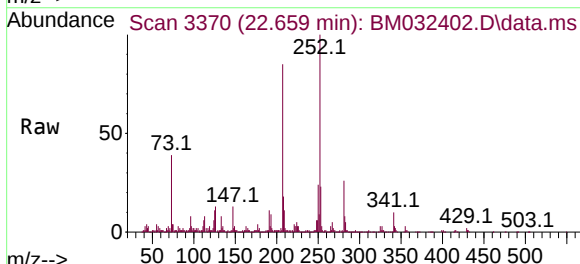
Instrument :
BNA_M
ClientSampleId :
PSC124055

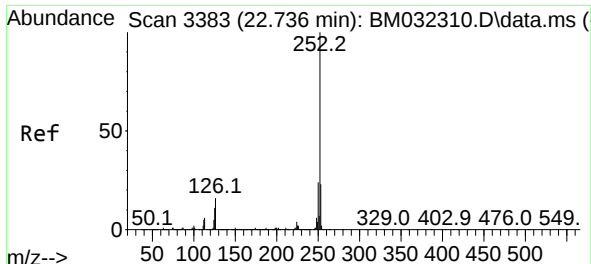
Tgt Ion:264 Resp: 1226399
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 22.2 18.3 27.5



#88
Benzo(b)fluoranthene
Concen: 5.419 ng
RT: 22.659 min Scan# 3370
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:252 Resp: 404271
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 10.9 7.5 11.3

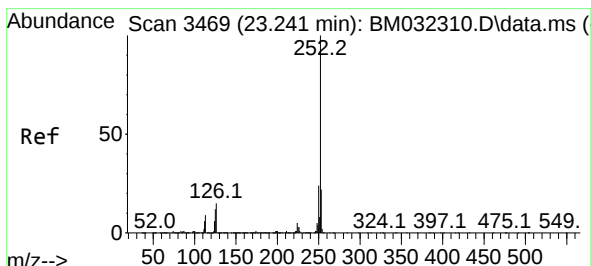
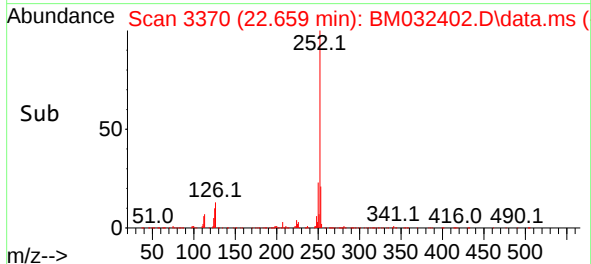
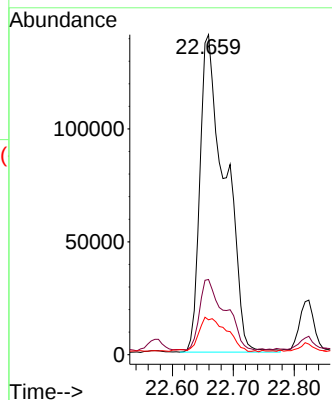
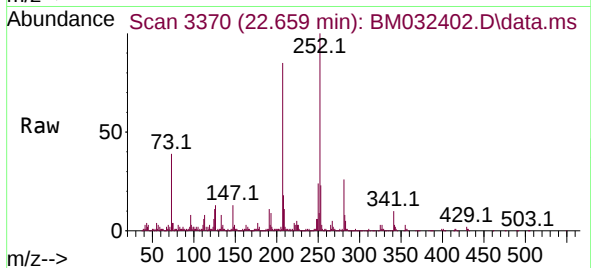




#89
Benzo(k)fluoranthene
Concen: 5.547 ng
RT: 22.659 min Scan# 3370
Delta R.T. -0.047 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Instrument :
BNA_M
ClientSampleId :
PSC124055

Tgt Ion:252 Resp: 404271
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 2.756 ng
RT: 23.200 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:252 Resp: 166751
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 12.6 8.1 12.1#

