

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

Manual Integrations
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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	20.00	ng	0.00
21) Naphthalene-d8	10.401	136	1903509	20.00	ng	# 0.00
39) Acenaphthene-d10	14.260	164	1082036	20.00	ng	0.00
64) Phenanthrene-d10	16.989	188	1910634	20.00	ng	# 0.00
76) Chrysene-d12	21.153	240	1217010	20.00	ng	0.00
86) Perylene-d12	23.295	264	1226399	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	2726325	95.16	ng	0.00
7) Phenol-d6	6.813	99	3471030	88.60	ng	0.00
23) Nitrobenzene-d5	8.772	82	2118789	61.91	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	843032	69.60	ng	0.00
45) 2-Fluorobiphenyl	12.878	172	4191337	57.59	ng	0.00
79) Terphenyl-d14	19.607	244	3906071	67.59	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.448	128	1170464	11.98	ng	100
37) 2-Methylnaphthalene	12.066	142	1893908	28.53	ng	95
38) 1-Methylnaphthalene	12.289	142	939274	14.48	ng	# 98
46) 1,1'-Biphenyl	13.089	154	508418	6.37	ng	99
52) Acenaphthene	14.325	154	2357167	37.58	ng	98
55) Dibenzofuran	14.660	168	2884665	30.22	ng	93
58) Fluorene	15.307	166	2657502	36.60	ng	98
71) Phenanthrene	17.042	178	8094561	80.72	ng	98
72) Anthracene	17.118	178	954057	9.74	ng	100
73) Carbazole	17.383	167	292363	3.00	ng	98
75) Fluoranthene	19.042	202	5369422	48.28	ng	96
78) Pyrene	19.401	202	3732809	45.23	ng	98
81) Benzo(a)anthracene	21.136	228	678560	8.92	ng	98
83) Chrysene	21.189	228	555033	7.54	ng	99
88) Benzo(b)fluoranthene	22.659	252	294036m	3.94	ng	
90) Benzo(a)pyrene	23.200	252	166751	2.76	ng	# 96

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

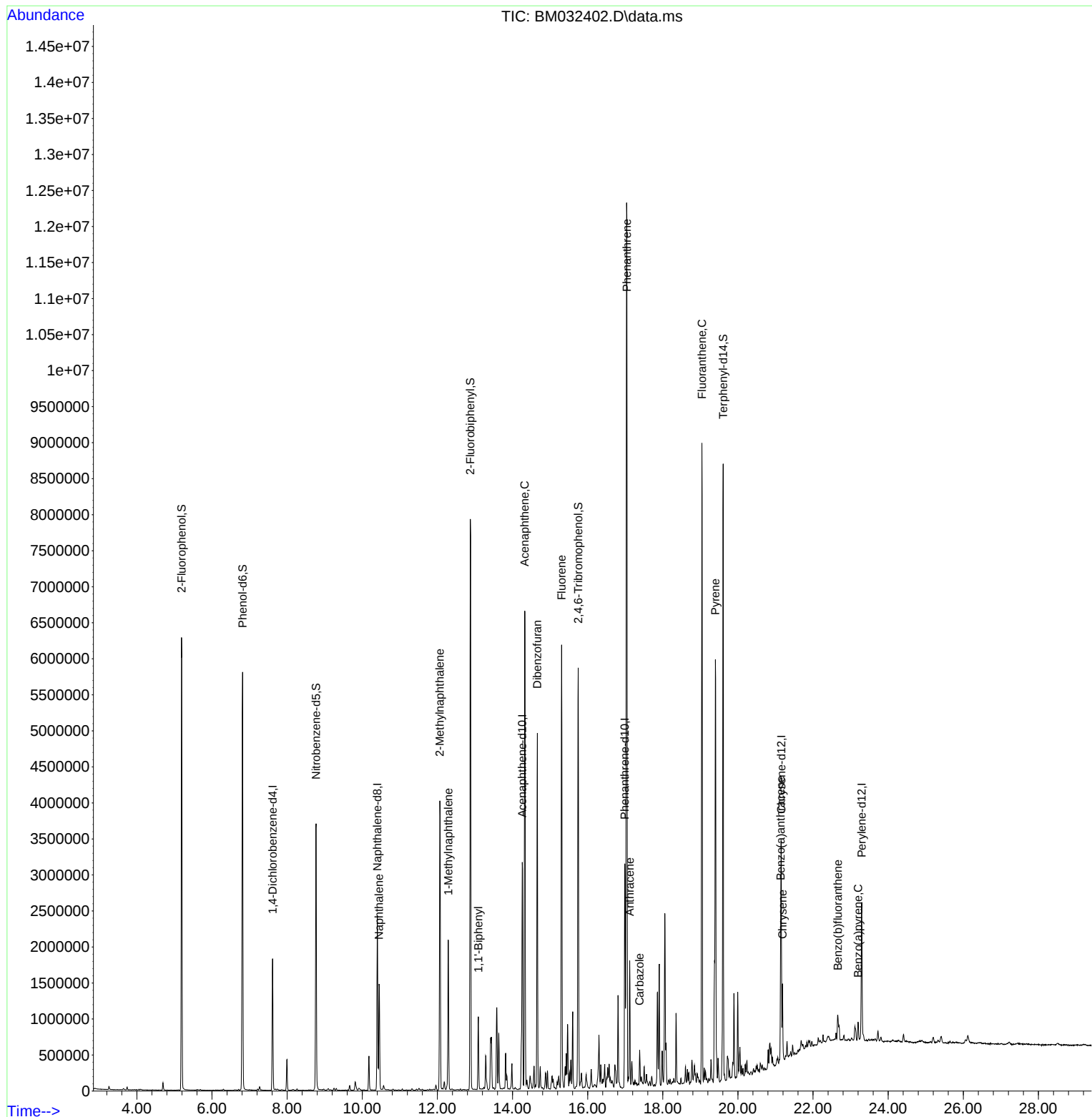
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
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ALS Vial : 10 Sample Multiplier: 1

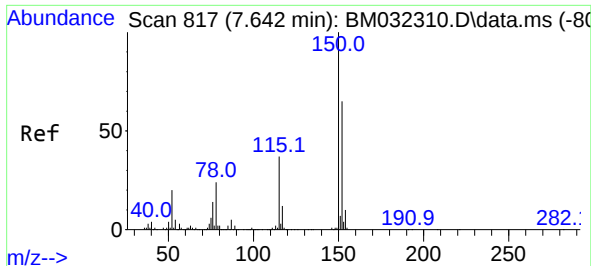
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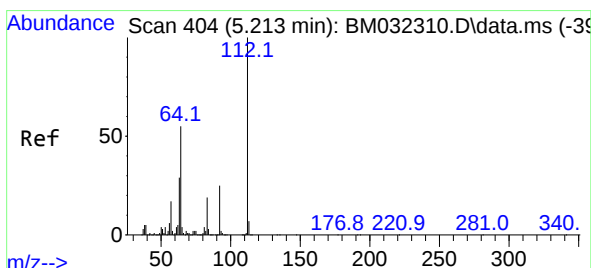
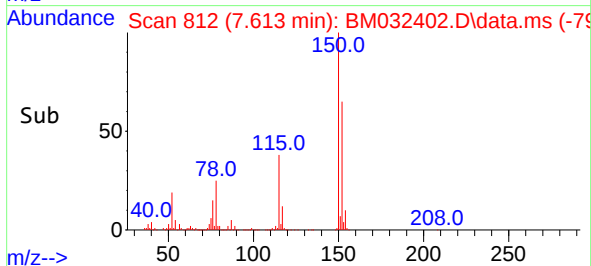
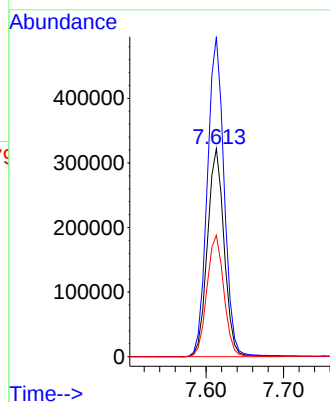
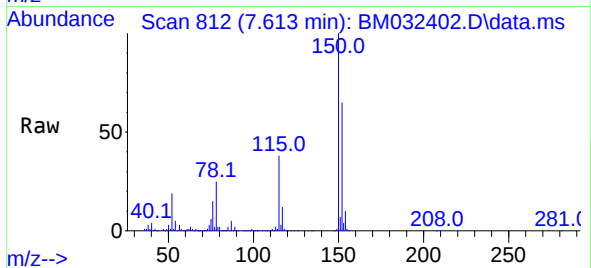
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

Instrument :
BNA_M
ClientSampleId :
PSC124055

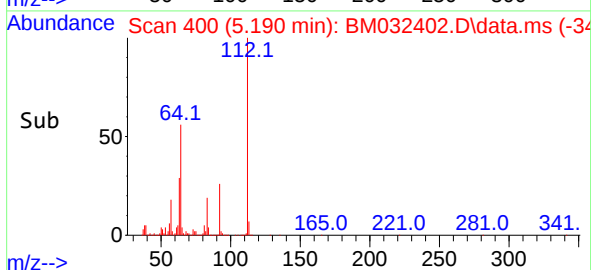
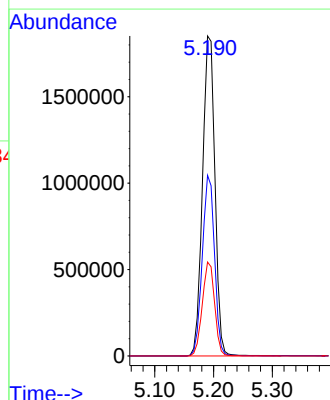
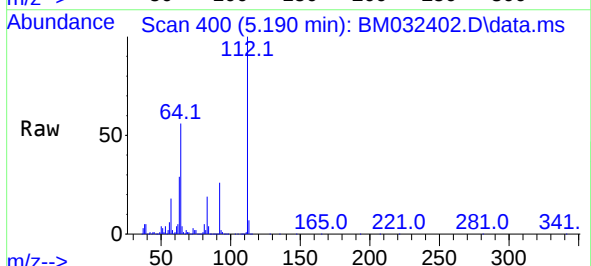
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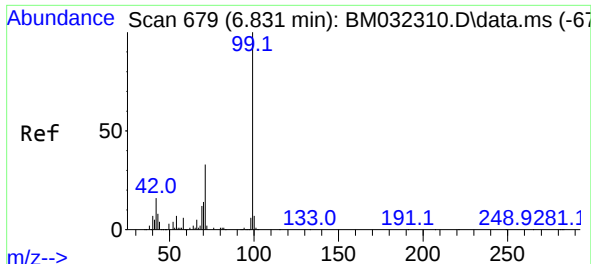
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#5
2-Fluorophenol
Concen: 95.16 ng
RT: 5.190 min Scan# 400
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

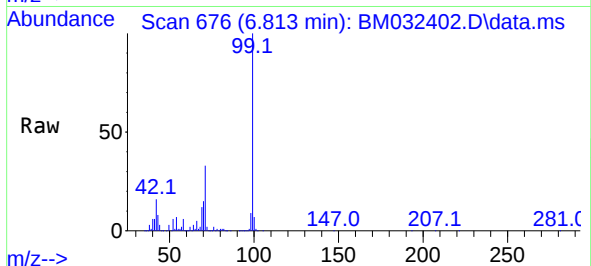
Tgt Ion:112 Resp: 2726325
Ion Ratio Lower Upper
112 100
64 56.5 53.7 80.5
63 29.4 33.9 50.9#





#7
Phenol-d6
Concen: 88.60 ng
RT: 6.813 min Scan# 676
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

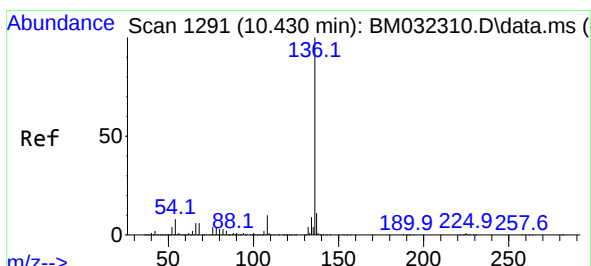
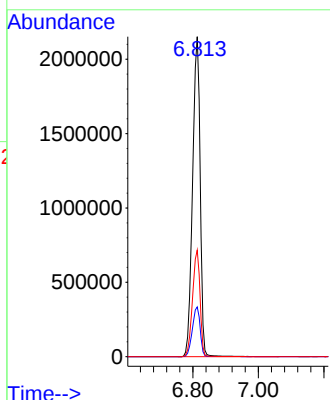
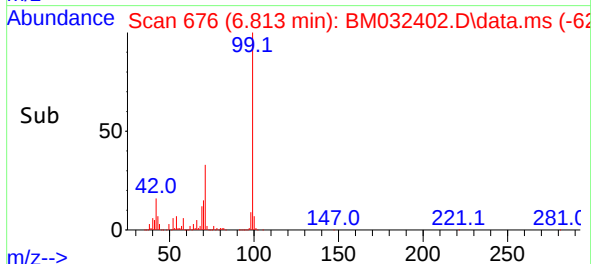
Instrument :
BNA_M
ClientSampleId :
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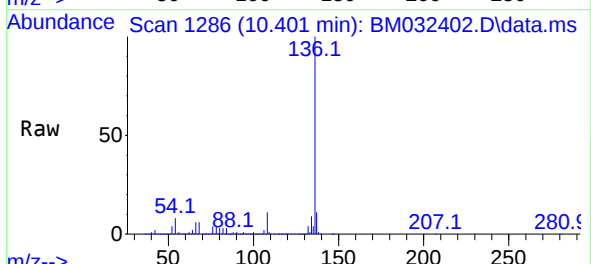
Tgt Ion: 99 Resp: 3471030
Ion Ratio Lower Upper
99 100
42 15.6 23.0 34.6#
71 33.3 37.8 56.8#

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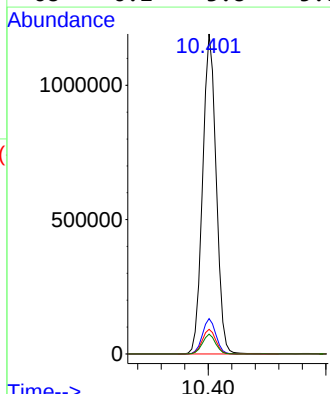
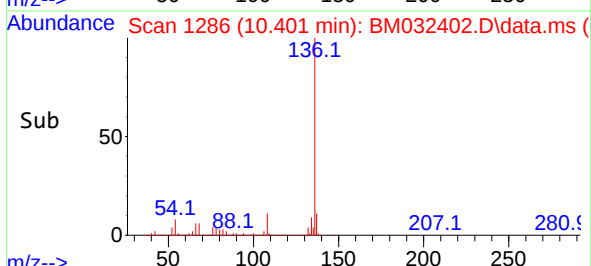
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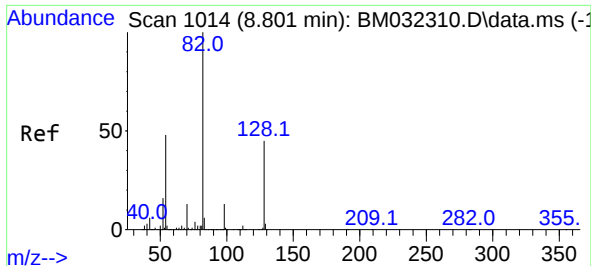


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



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#





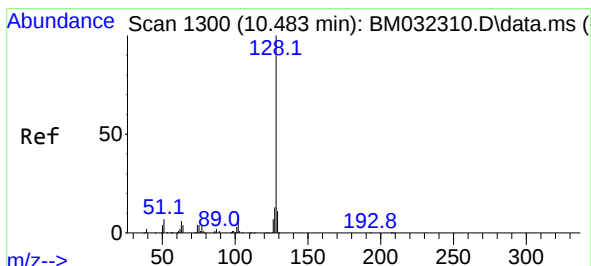
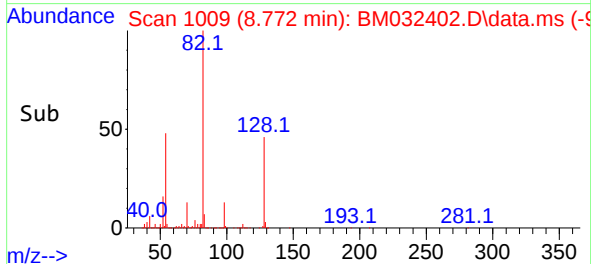
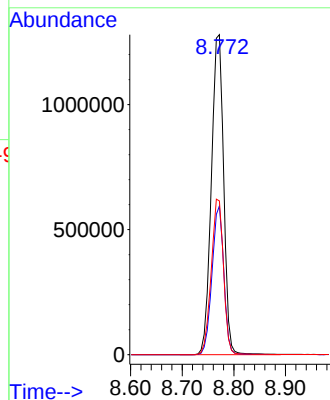
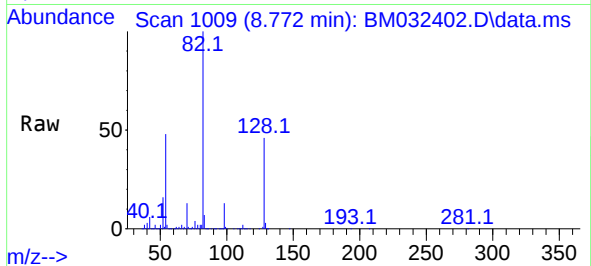
#23
Nitrobenzene-d5
Concen: 61.91 ng
RT: 8.772 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

Instrument :
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ClientSampleId :
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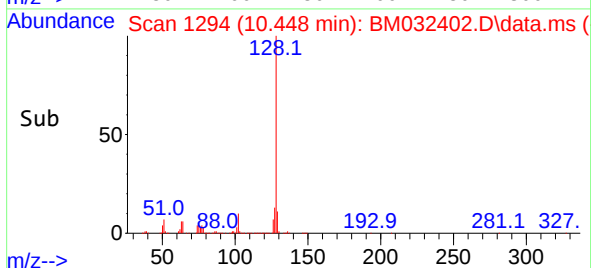
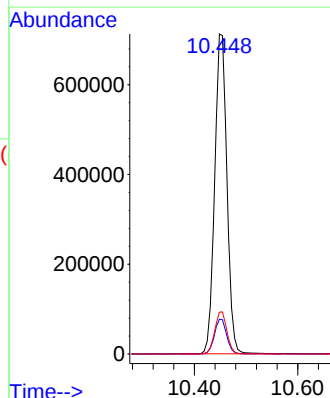
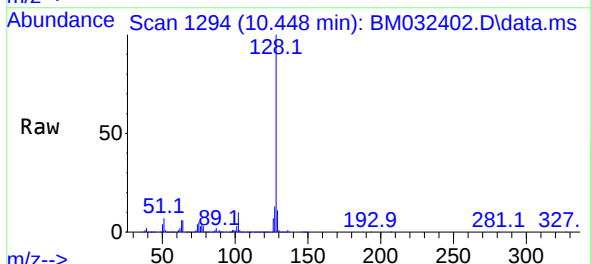
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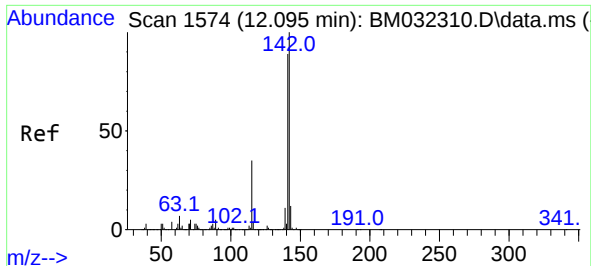
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#31
Naphthalene
Concen: 11.98 ng
RT: 10.448 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

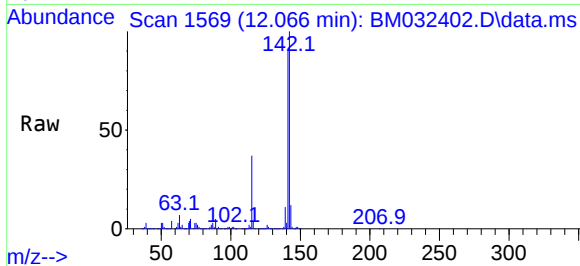
Tgt Ion:128 Resp: 1170464
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.4 15.6





#37
2-Methylnaphthalene
Concen: 28.53 ng
RT: 12.066 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Instrument :
BNA_M
ClientSampleId :
PSC124055

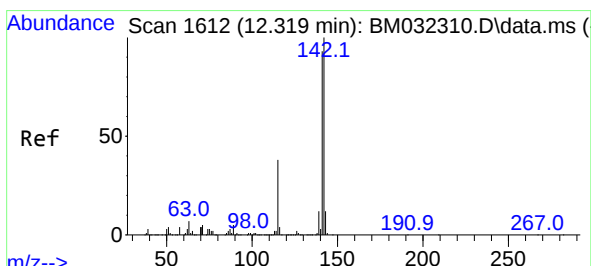
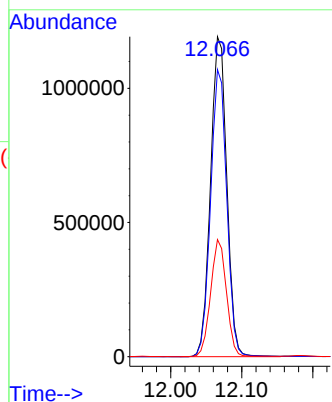
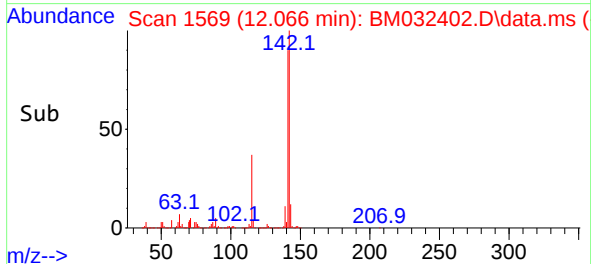


Tgt Ion:142 Resp: 1893908

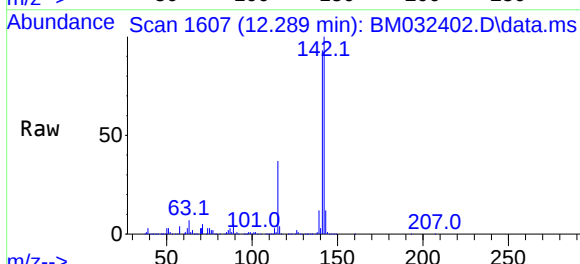
Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.6
115	36.6	36.3	54.5

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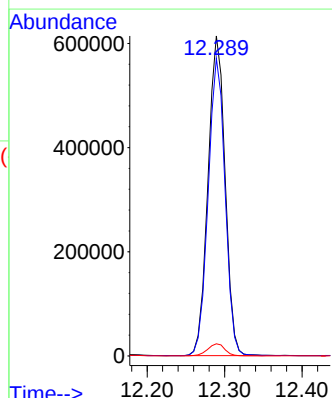
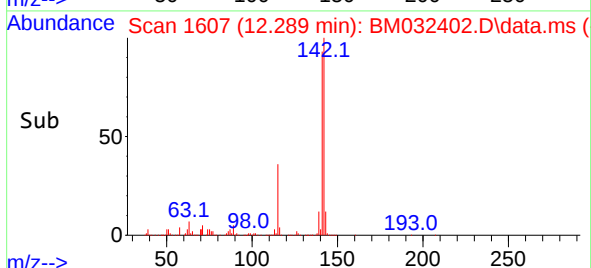


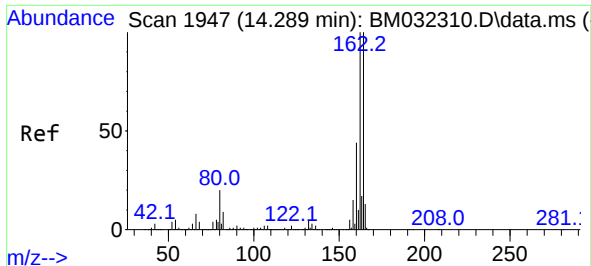
#38
1-Methylnaphthalene
Concen: 14.48 ng
RT: 12.289 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



Tgt Ion:142 Resp: 939274

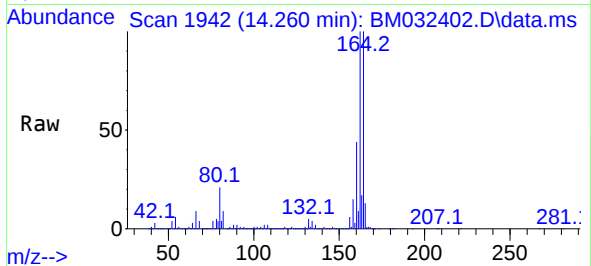
Ion	Ratio	Lower	Upper
142	100		
141	93.1	75.6	113.4
116	3.8	4.0	6.0#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

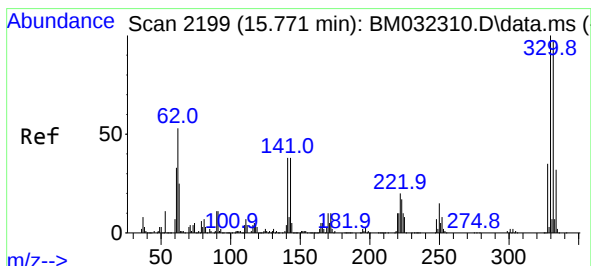
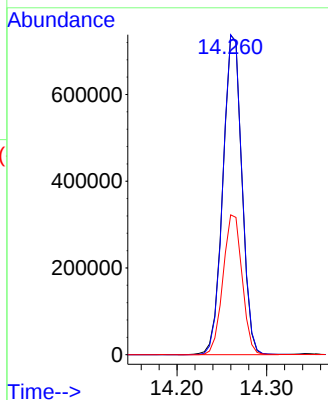
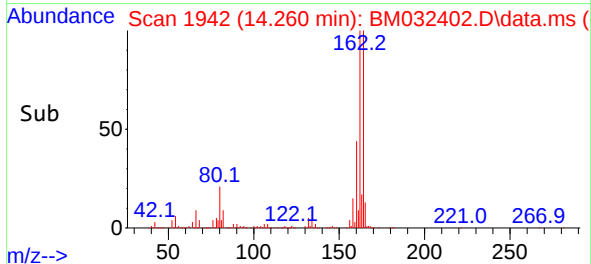
Instrument :
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ClientSampleId :
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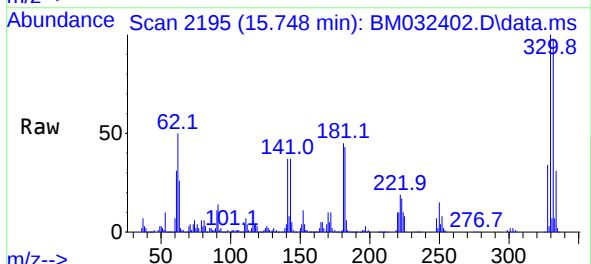
Tgt Ion:164 Resp: 1082036
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 43.8 35.1 52.7

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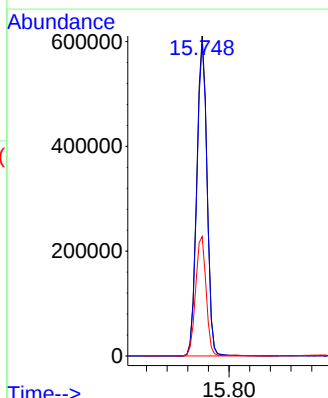
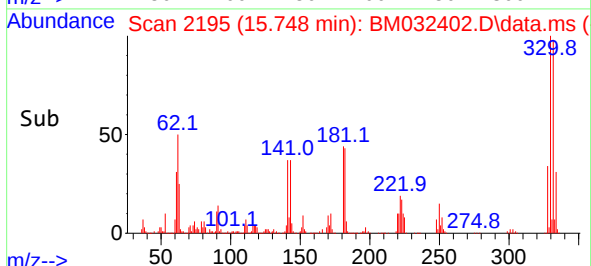
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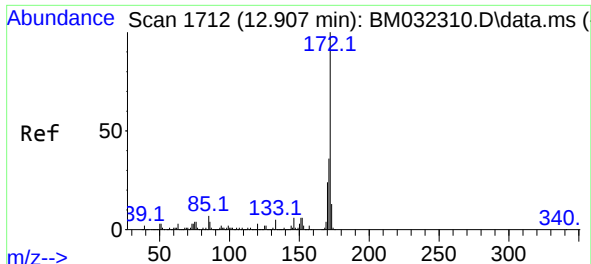


#42
2,4,6-Tribromophenol
Concen: 69.60 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



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#





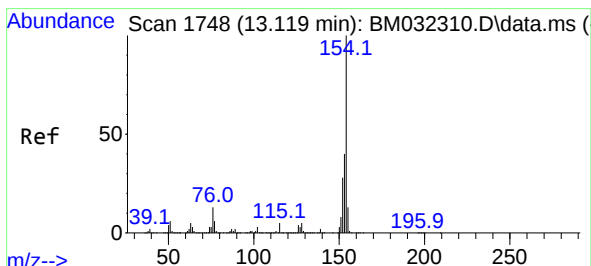
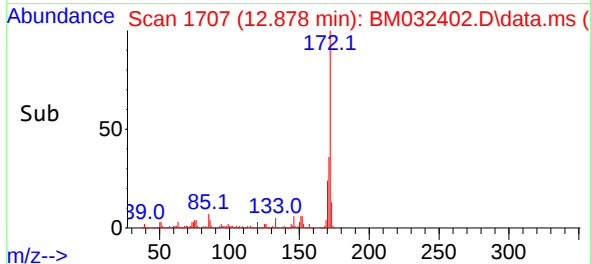
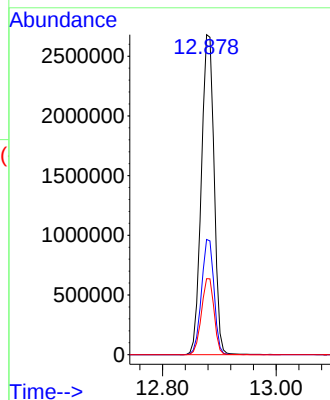
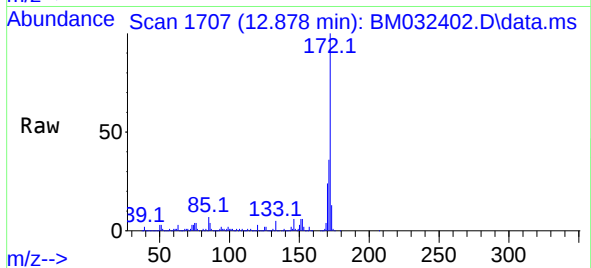
#45
2-Fluorobiphenyl
Concen: 57.59 ng
RT: 12.878 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

Tgt Ion:172 Resp: 4191337
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 23.7 18.6 27.8

Instrument :
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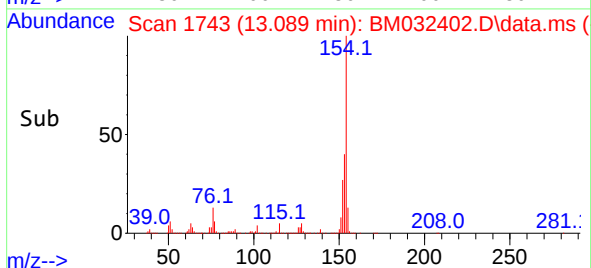
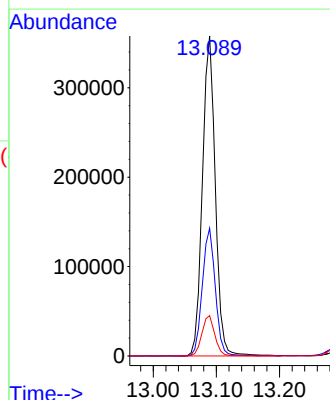
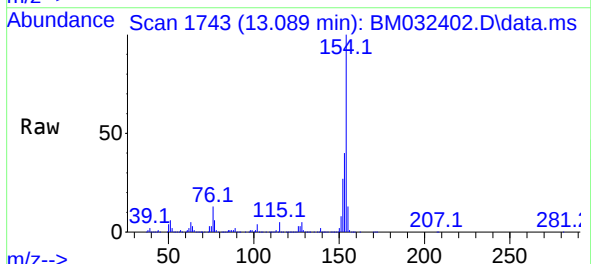
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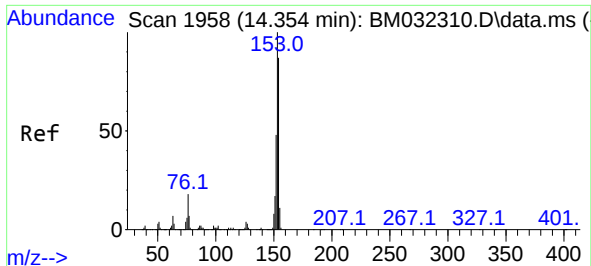
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#46
1,1'-Biphenyl
Concen: 6.37 ng
RT: 13.089 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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





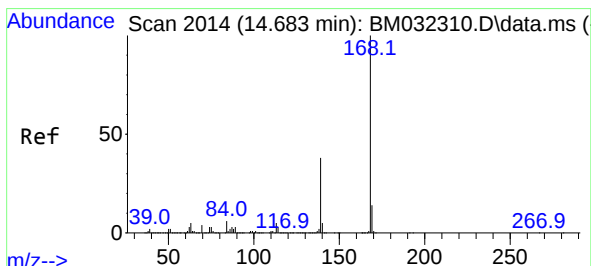
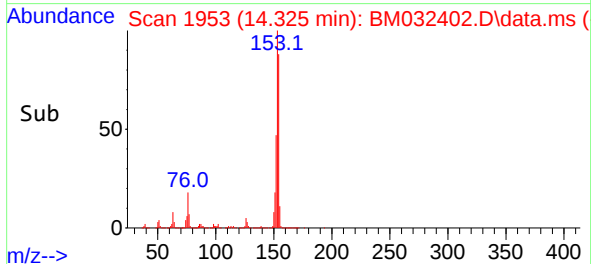
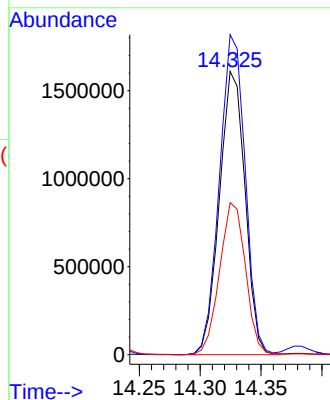
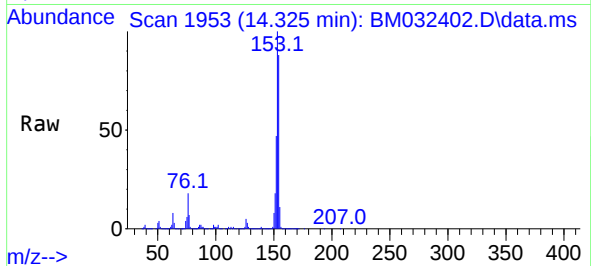
#52
Acenaphthene
Concen: 37.58 ng
RT: 14.325 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

Instrument :
BNA_M
ClientSampleId :
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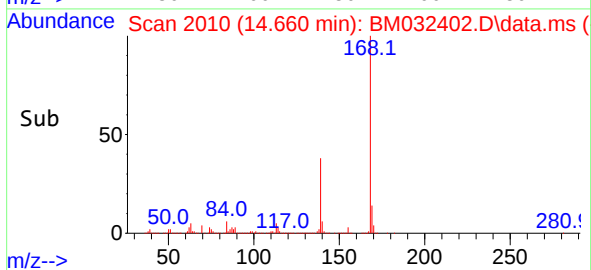
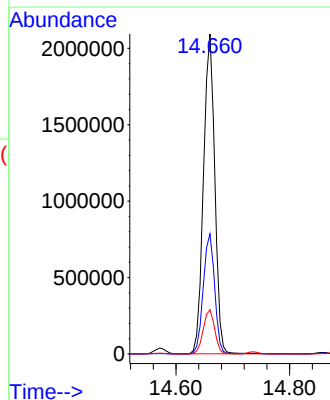
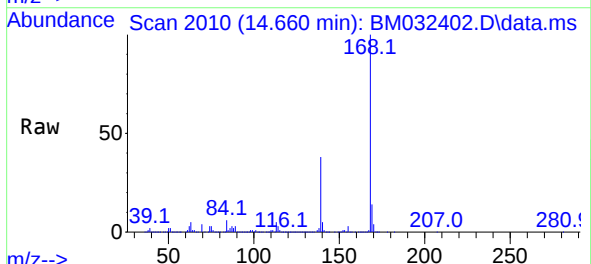
Manual Integrations
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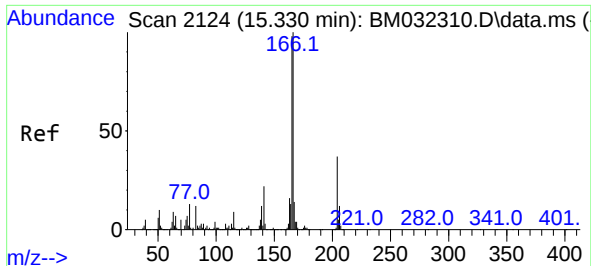
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#55
Dibenzofuran
Concen: 30.22 ng
RT: 14.660 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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





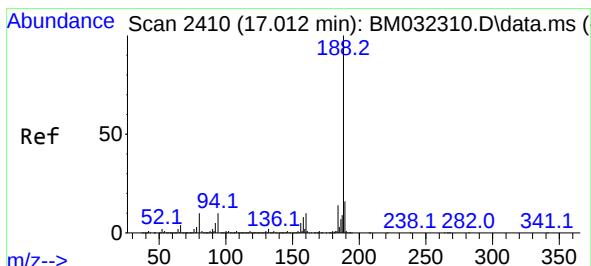
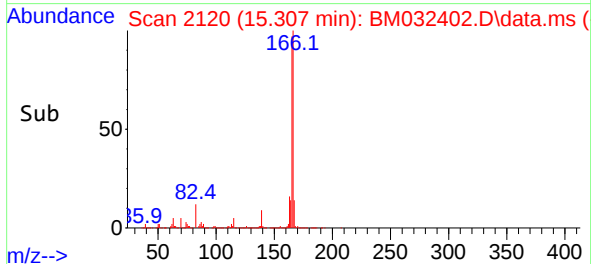
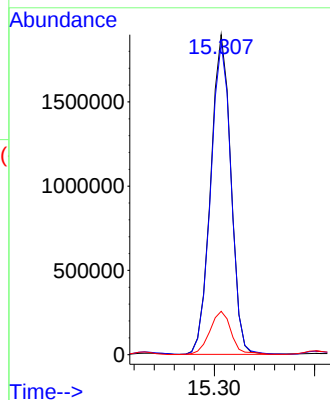
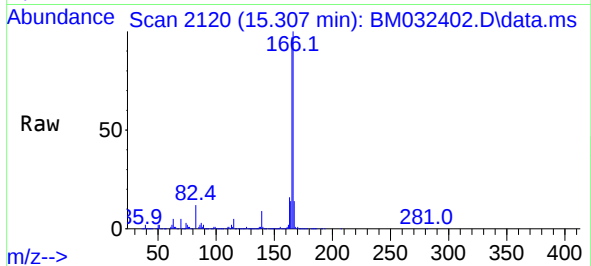
#58
Fluorene
Concen: 36.60 ng
RT: 15.307 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

Instrument :
BNA_M
ClientSampleId :
PSC124055

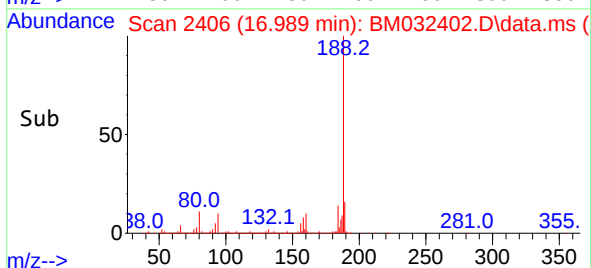
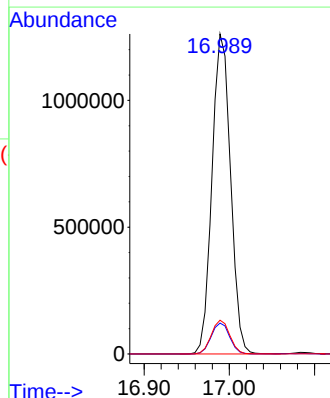
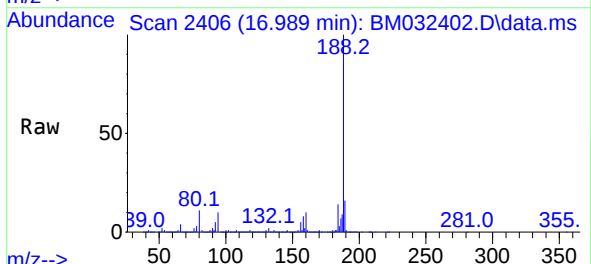
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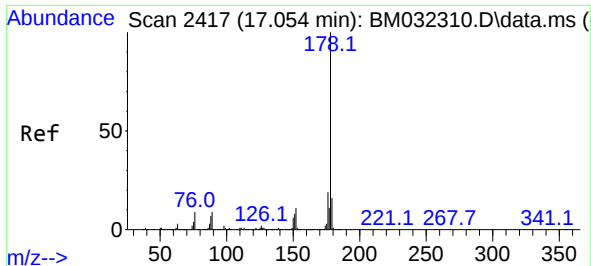
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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





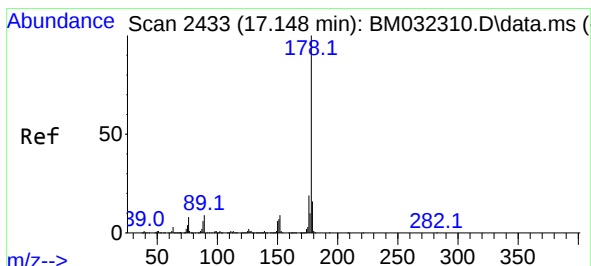
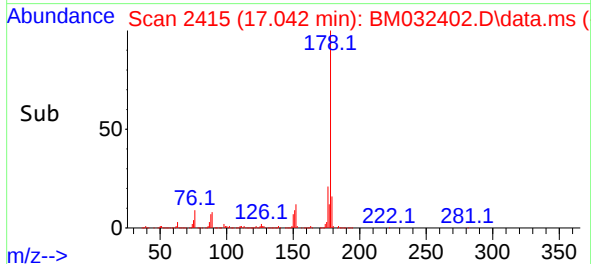
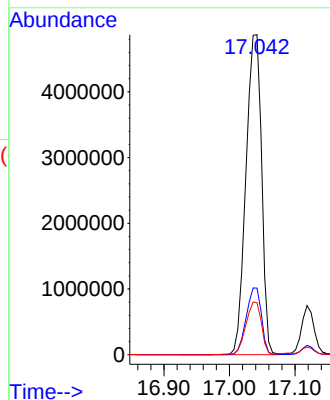
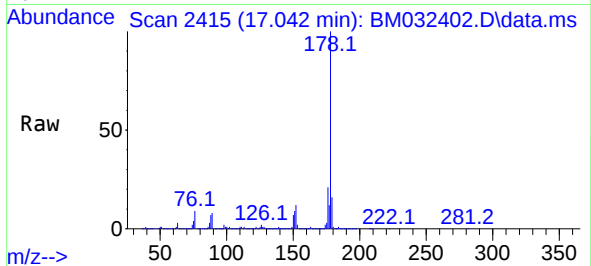
#71
Phenanthrene
Concen: 80.72 ng
RT: 17.042 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

Instrument :
BNA_M
ClientSampled :
PSC124055

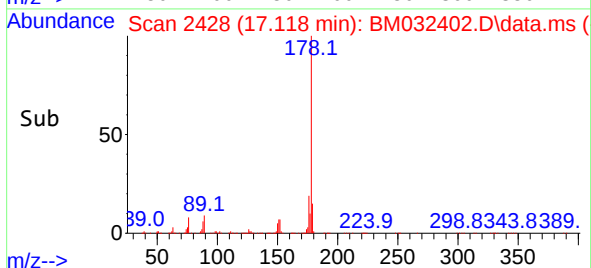
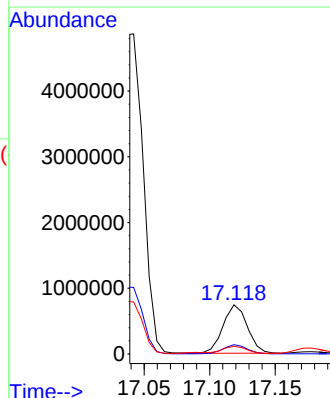
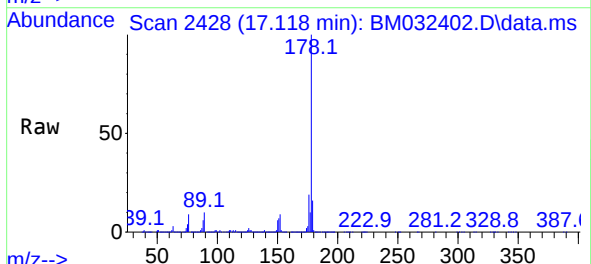
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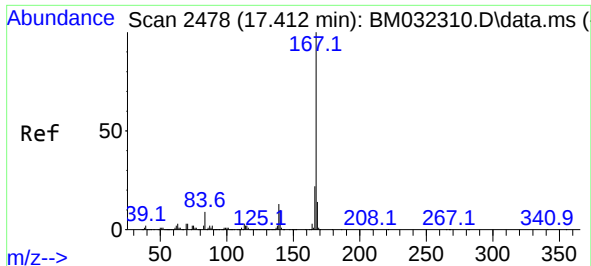
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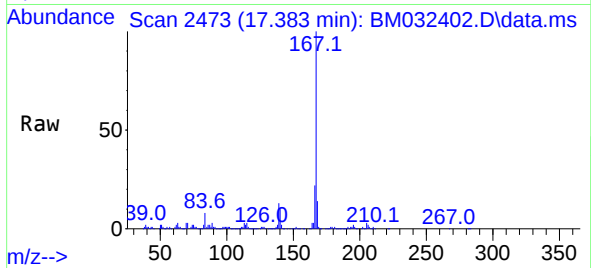
#72
Anthracene
Concen: 9.74 ng
RT: 17.118 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

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

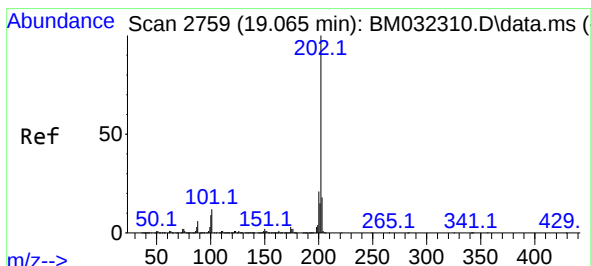
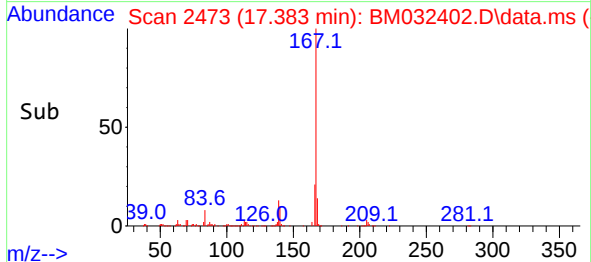
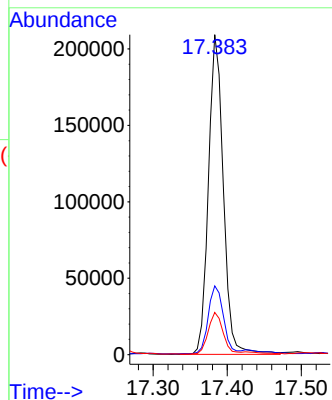




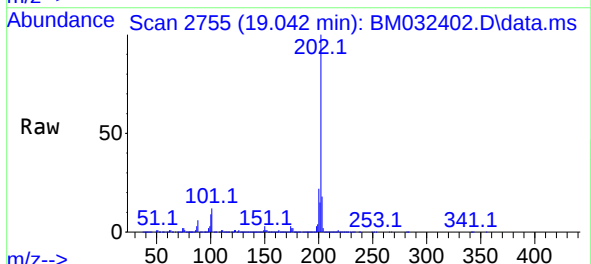
#73
 Carbazole
 Concen: 3.00 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032402.D
 Acq: 08 Oct 2021 20:32



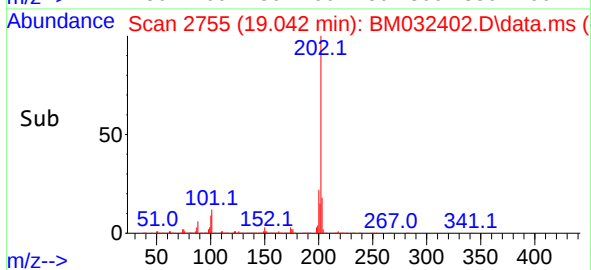
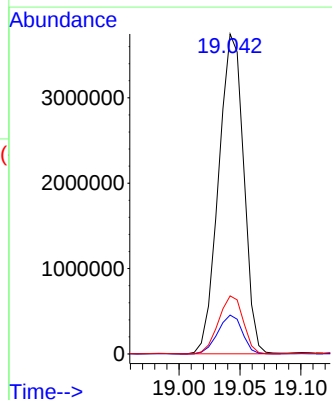
Tgt Ion:167 Resp: 292363
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.2 11.9 17.9



#75
 Fluoranthene
 Concen: 48.28 ng
 RT: 19.042 min Scan# 2755
 Delta R.T. 0.000 min
 Lab File: BM032402.D
 Acq: 08 Oct 2021 20:32



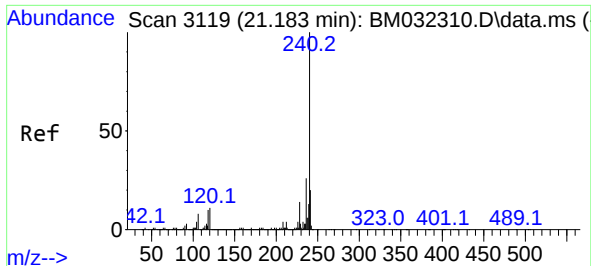
Tgt Ion:202 Resp: 5369422
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 29.9
 203 18.2 0.0 36.8



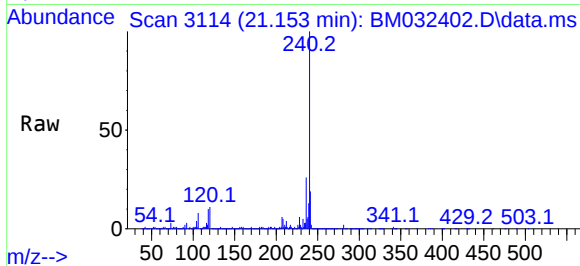
Instrument :
 BNA_M
 ClientSampleId :
 PSC124055

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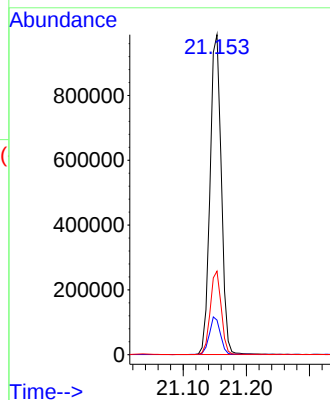
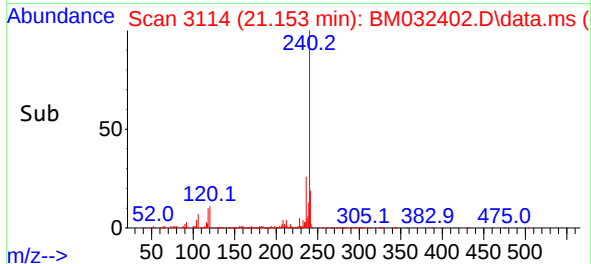
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



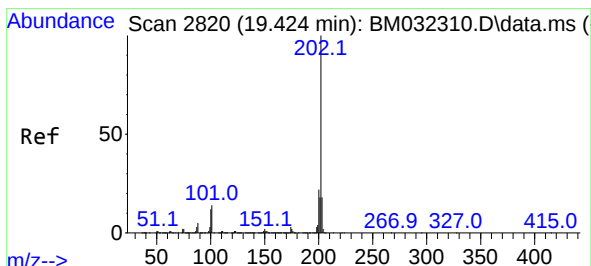
Tgt Ion:240 Resp: 1217010
Ion Ratio Lower Upper
240 100
120 10.8 7.8 11.6
236 26.1 20.9 31.3



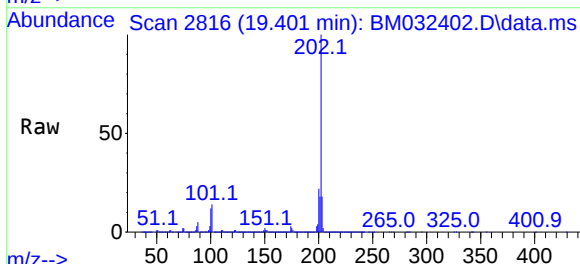
Instrument :
BNA_M
ClientSampleId :
PSC124055

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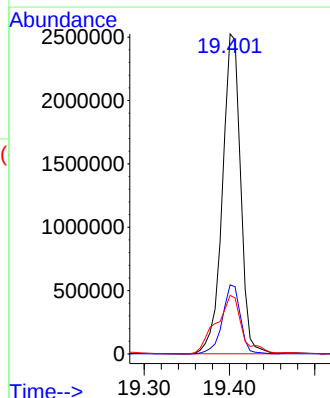
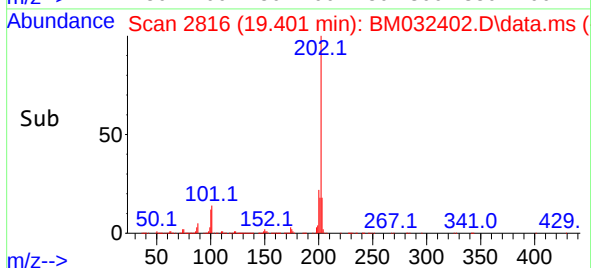
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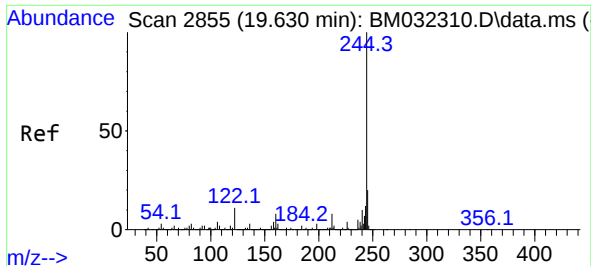


#78
Pyrene
Concen: 45.23 ng
RT: 19.401 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



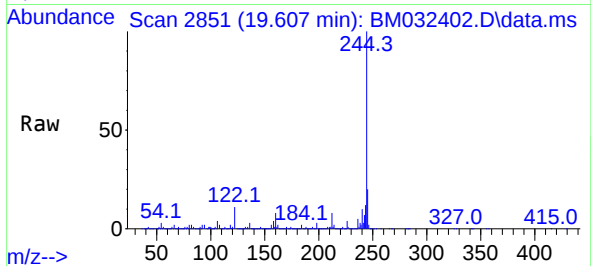
Tgt Ion:202 Resp: 3732809
Ion Ratio Lower Upper
202 100
200 21.6 16.6 25.0
203 18.3 13.7 20.5





#79
Terphenyl-d14
Concen: 67.59 ng
RT: 19.607 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

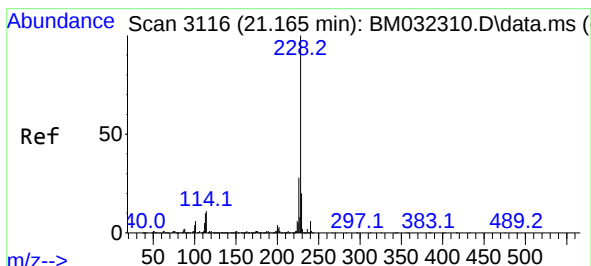
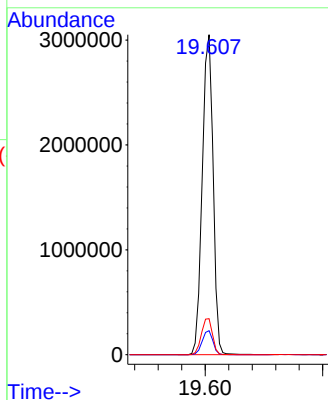
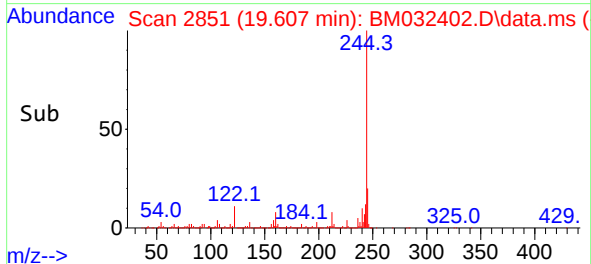
Instrument :
BNA_M
ClientSampleId :
PSC124055



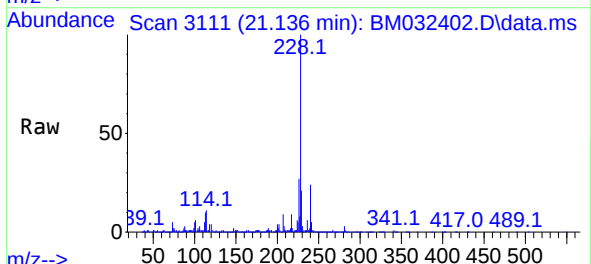
Tgt Ion:244 Resp: 3906071
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 11.2 8.7 13.1

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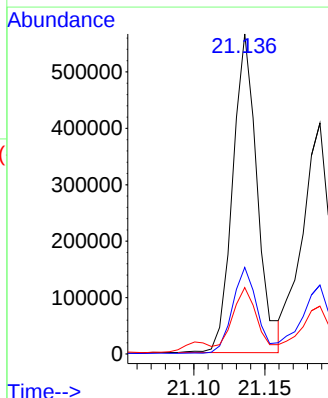
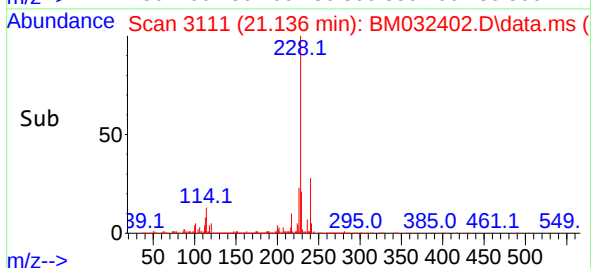
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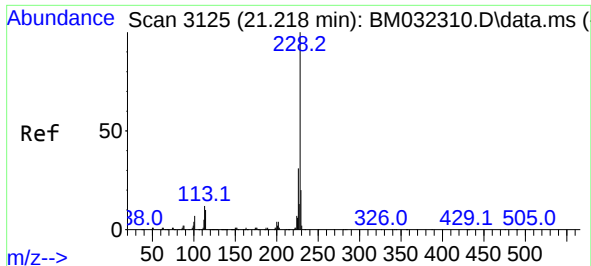


#81
Benzo(a)anthracene
Concen: 8.92 ng
RT: 21.136 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

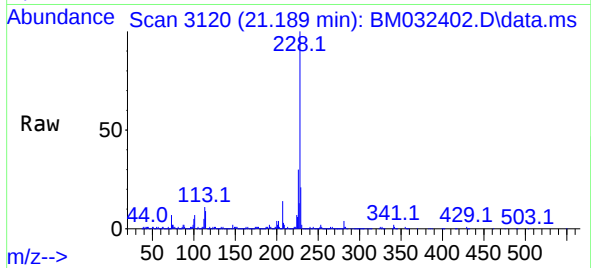


Tgt Ion:228 Resp: 678560
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 20.7 15.3 22.9

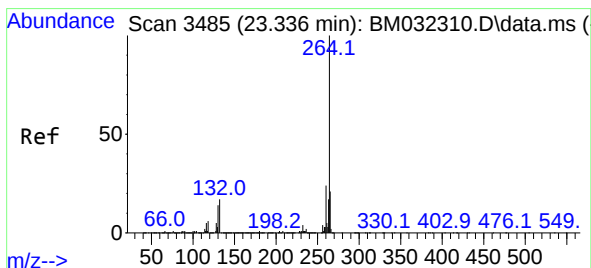
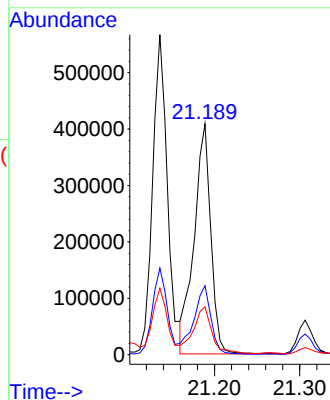
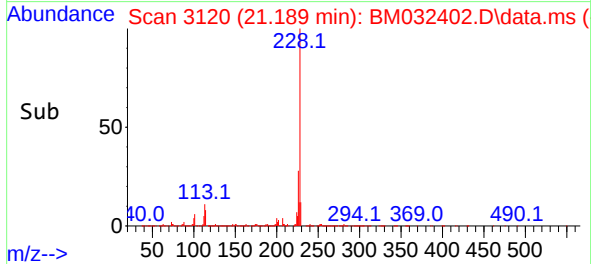




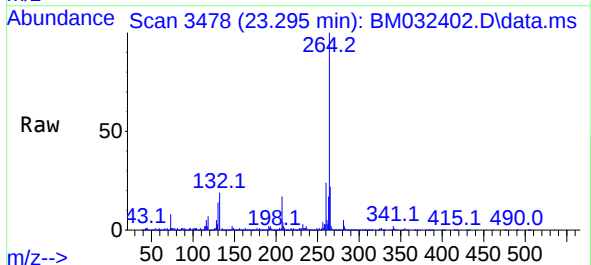
#83
Chrysene
Concen: 7.54 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



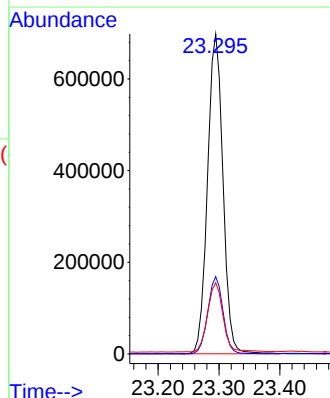
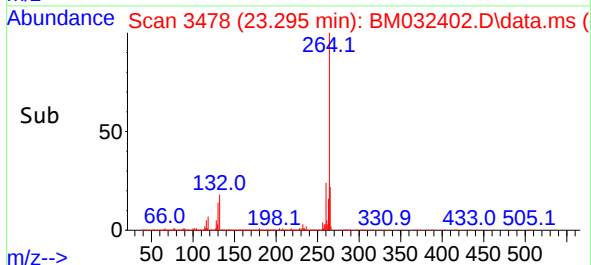
Tgt Ion:228 Resp: 555033
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 20.7 16.0 24.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.295 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32



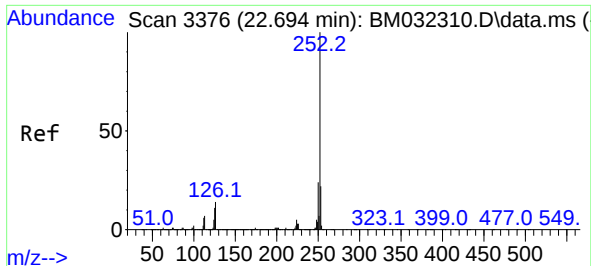
Tgt Ion:264 Resp: 1226399
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 22.2 18.3 27.5



Instrument :
BNA_M
ClientSampleId :
PSC124055

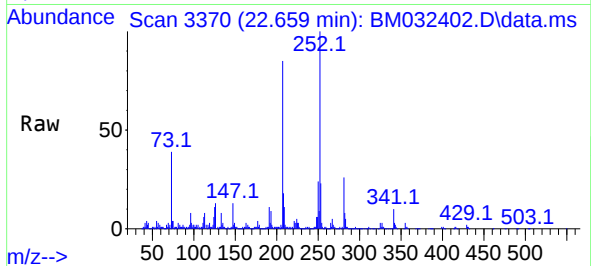
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#88
Benzo(b)fluoranthene
Concen: 3.94 ng m
RT: 22.659 min Scan# 3370
Delta R.T. -0.006 min
Lab File: BM032402.D
Acq: 08 Oct 2021 20:32

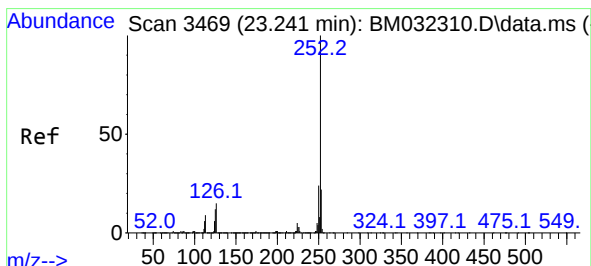
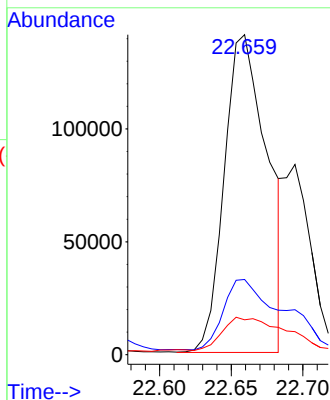
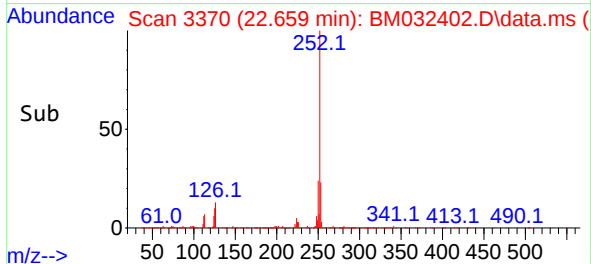
Instrument :
BNA_M
ClientSampled :
PSC124055



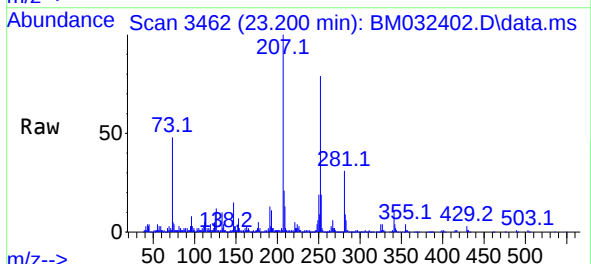
Tgt Ion:252 Resp: 294036
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 10.9 7.5 11.3

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#90
Benzo(a)pyrene
Concen: 2.76 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#

