

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
 Data File : BM032684.D
 Acq On : 22 Oct 2021 20:21
 Operator : CG/JU
 Sample : M4313-05DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 4743DL

Quant Time: Oct 23 01:31:37 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 23 01:22:28 2021
 Response via : Initial Calibration

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

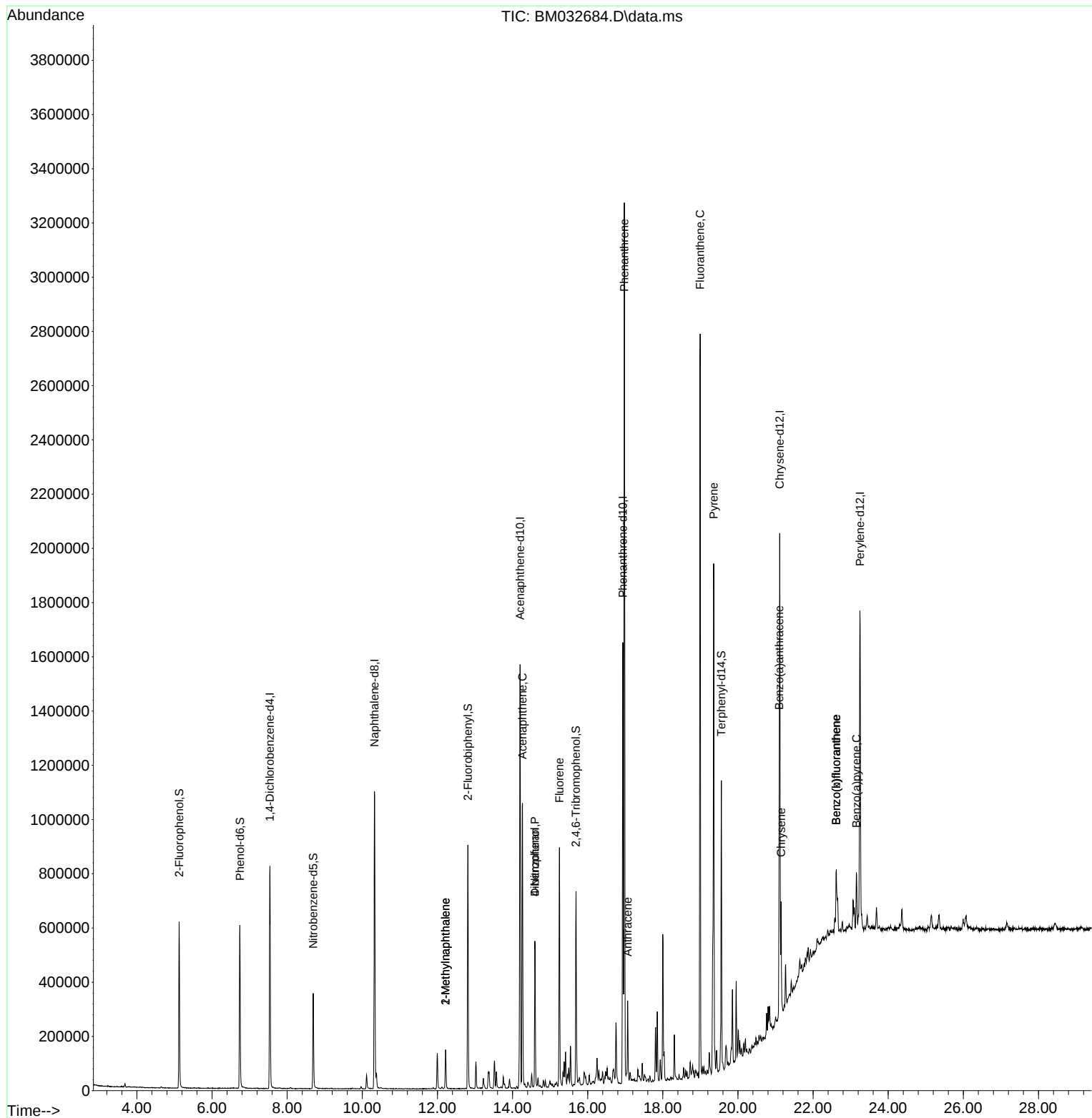
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.542	152	221909	20.000	ng	0.00
21) Naphthalene-d8	10.325	136	905339	20.000	ng	# 0.00
39) Acenaphthene-d10	14.201	164	513612	20.000	ng	0.00
64) Phenanthrene-d10	16.936	188	895122	20.000	ng	0.00
76) Chrysene-d12	21.112	240	724212	20.000	ng	0.00
86) Perylene-d12	23.247	264	758767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.125	112	256453	19.472	ng	0.00
7) Phenol-d6	6.742	99	331838	18.424	ng	0.00
23) Nitrobenzene-d5	8.695	82	199289	12.243	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	86494	15.043	ng	0.00
45) 2-Fluorobiphenyl	12.813	172	446108	12.914	ng	0.00
79) Terphenyl-d14	19.559	244	446832	12.994	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.219	142	64104	2.030	ng	95
38) 1-Methylnaphthalene	12.219	142	64769	2.099	ng	# 97
52) Acenaphthene	14.265	154	372797	12.523	ng	99
55) Dibenzofuran	14.595	168	337516	7.448	ng	93
56) 4-Nitrophenol	14.595	139	125453	18.427	ng	# 1
58) Fluorene	15.248	166	376384	10.921	ng	98
71) Phenanthrene	16.977	178	1840916	39.184	ng	100
72) Anthracene	17.065	178	169039	3.682	ng	99
75) Fluoranthene	18.995	202	1581735	30.360	ng	98
78) Pyrene	19.353	202	1133570	23.083	ng	99
81) Benzo(a)anthracene	21.100	228	274804	6.071	ng	98
83) Chrysene	21.147	228	225613	5.152	ng	98
88) Benzo(b)fluoranthene	22.618	252	251394	5.447	ng	98
89) Benzo(k)fluoranthene	22.618	252	251394	5.575	ng	98
90) Benzo(a)pyrene	23.153	252	102798	2.746	ng	# 94

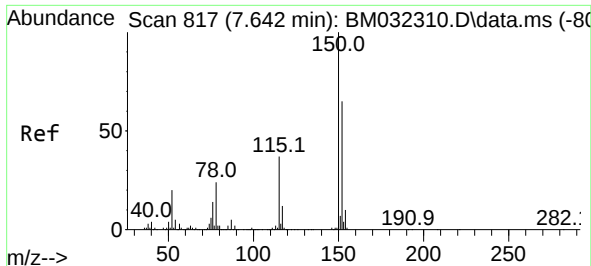
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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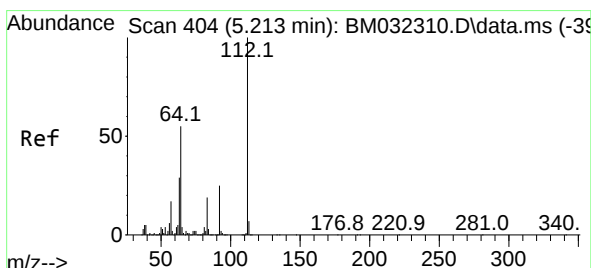
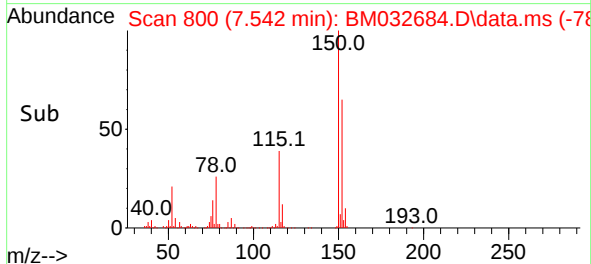
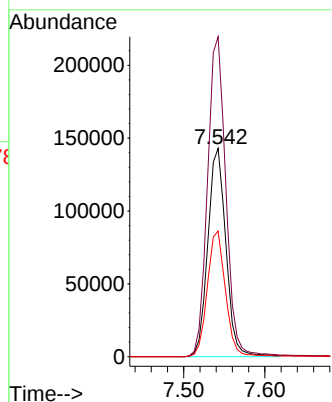
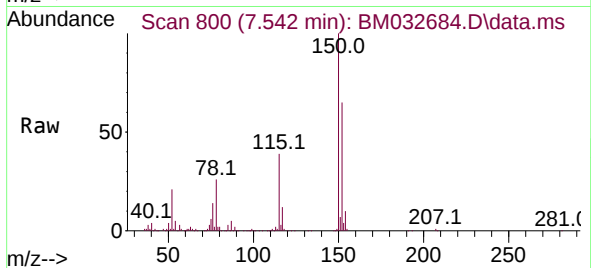




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.542 min Scan# 800
Delta R.T. 0.000 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

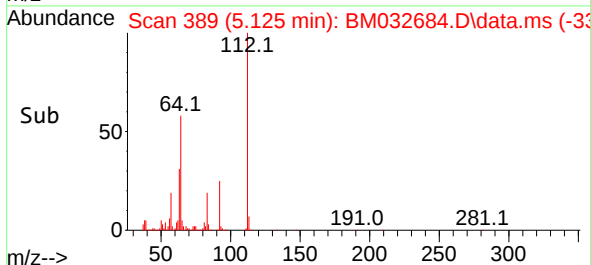
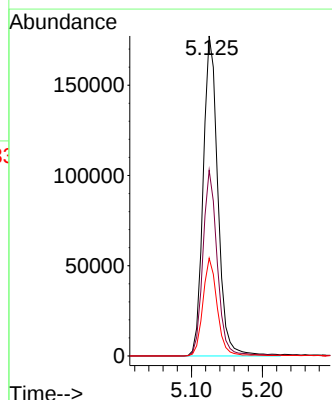
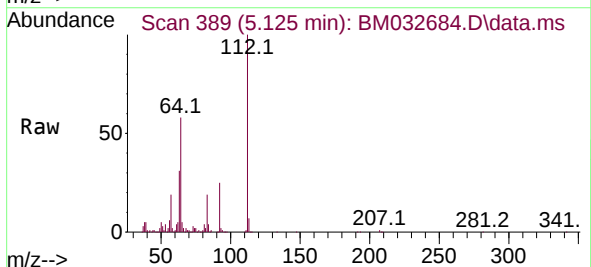
Instrument :
BNA_M
ClientSampleId :
4743DL

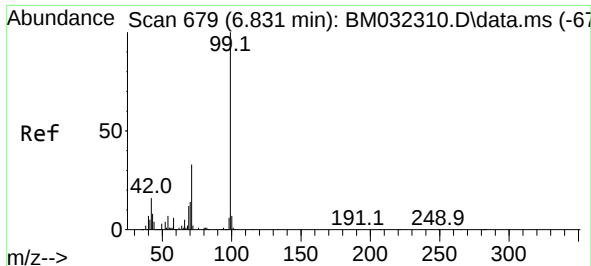
Tgt Ion:152 Resp: 221909
Ion Ratio Lower Upper
152 100
150 153.6 122.4 183.6
115 60.3 53.8 80.8



#5
2-Fluorophenol
Concen: 19.472 ng
RT: 5.125 min Scan# 389
Delta R.T. -0.000 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:112 Resp: 256453
Ion Ratio Lower Upper
112 100
64 58.0 53.7 80.5
63 30.6 33.9 50.9#

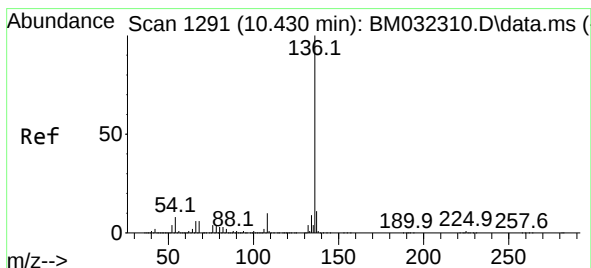
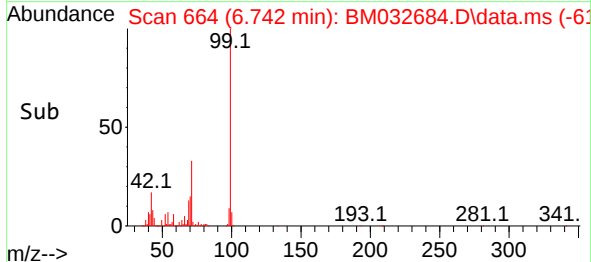
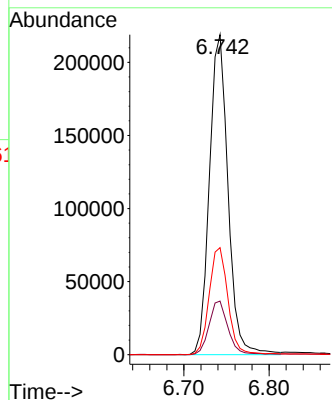
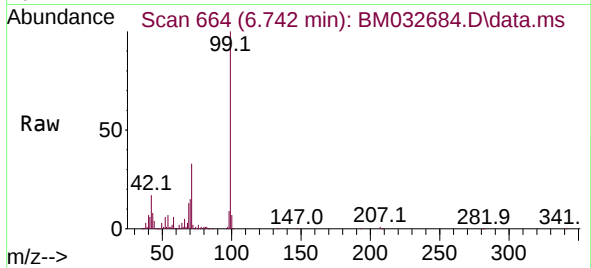




#7
Phenol-d6
Concen: 18.424 ng
RT: 6.742 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

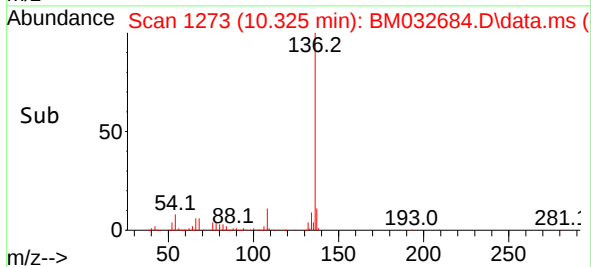
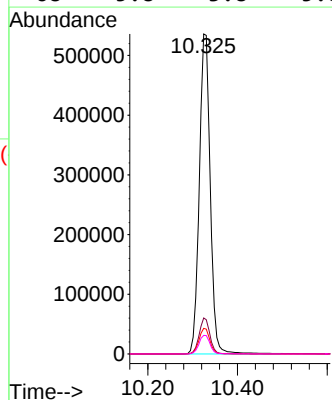
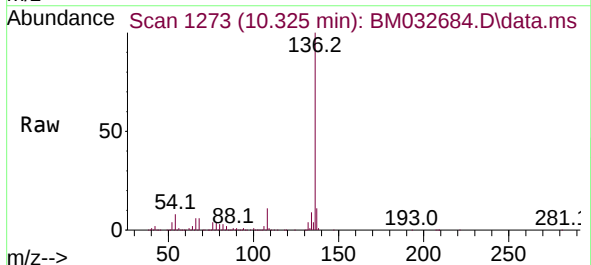
Instrument :
BNA_M
ClientSampleId :
4743DL

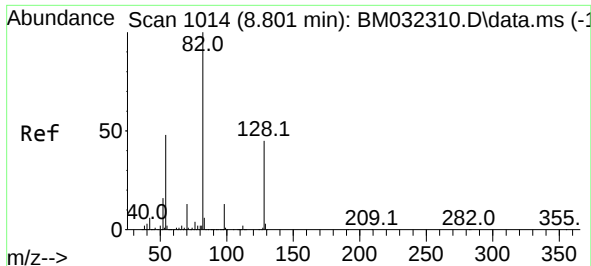
Tgt Ion: 99 Resp: 331838
Ion Ratio Lower Upper
99 100
42 16.7 23.0 34.6#
71 33.5 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.325 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion: 136 Resp: 905339
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.0 7.4 11.0
68 5.8 3.8 5.8#

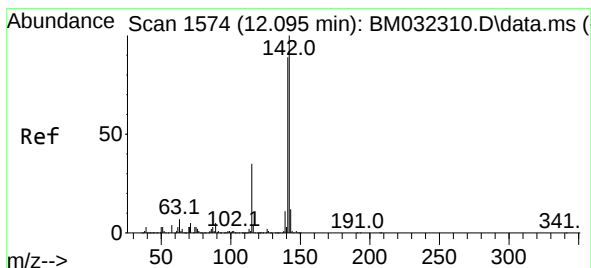
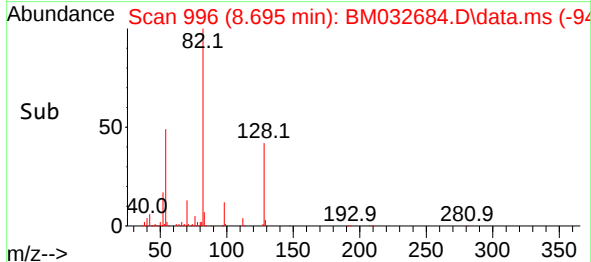
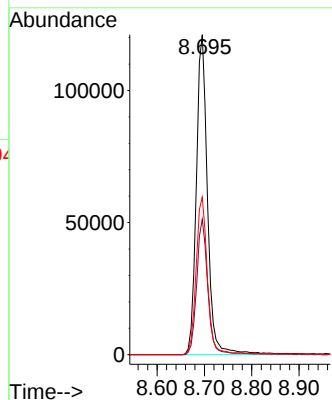
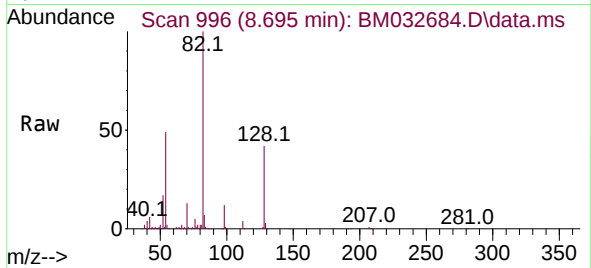




#23
Nitrobenzene-d5
Concen: 12.243 ng
RT: 8.695 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

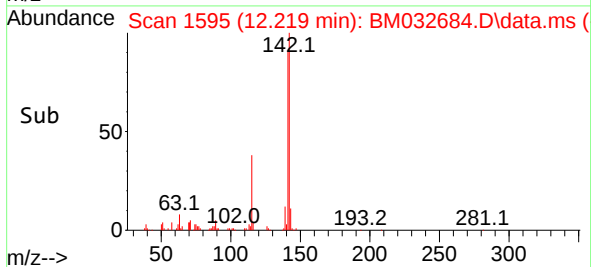
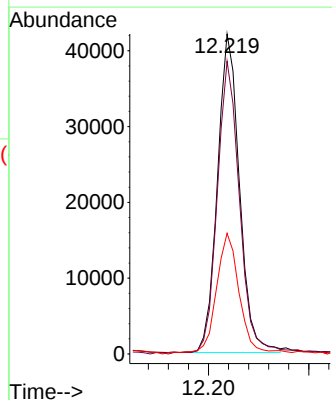
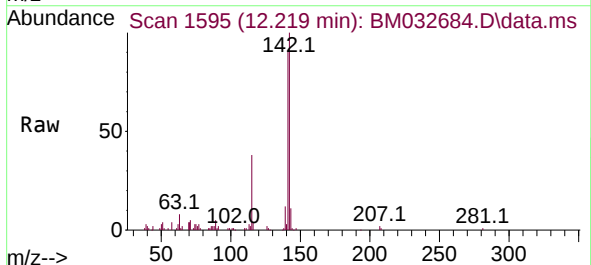
Instrument :
BNA_M
ClientSampleId :
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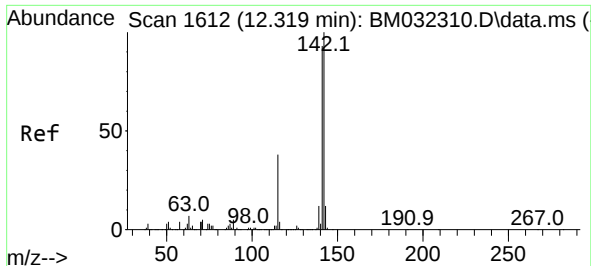
Tgt Ion: 82 Resp: 199289
Ion Ratio Lower Upper
82 100
128 42.4 29.0 43.6
54 49.3 45.8 68.8



#37
2-Methylnaphthalene
Concen: 2.030 ng
RT: 12.219 min Scan# 1595
Delta R.T. 0.218 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion: 142 Resp: 64104
Ion Ratio Lower Upper
142 100
141 91.5 71.8 107.6
115 37.7 36.3 54.5

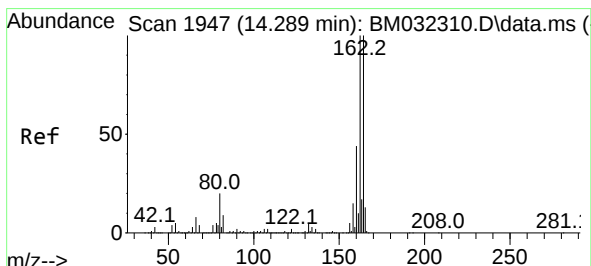
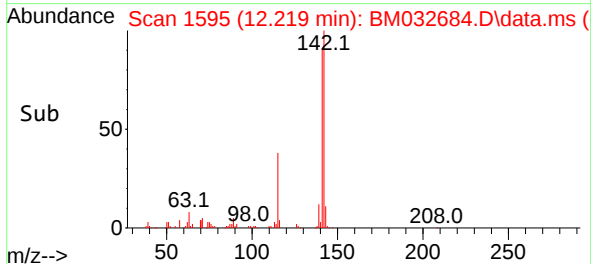
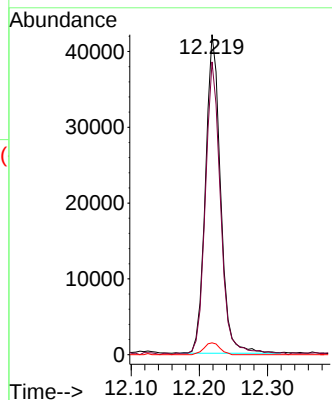
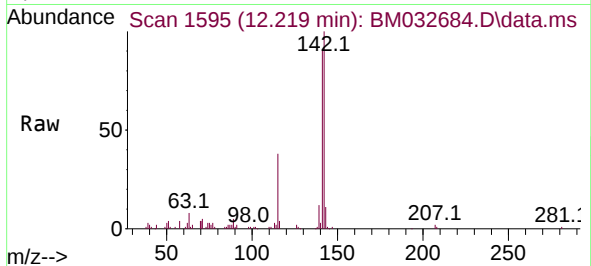




#38
1-Methylnaphthalene
Concen: 2.099 ng
RT: 12.219 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

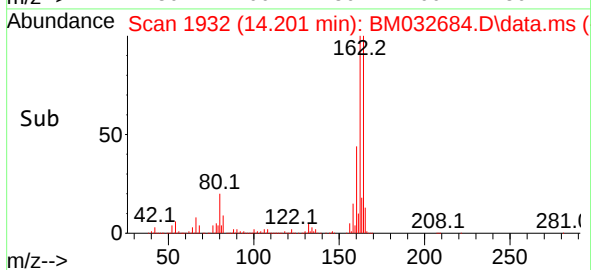
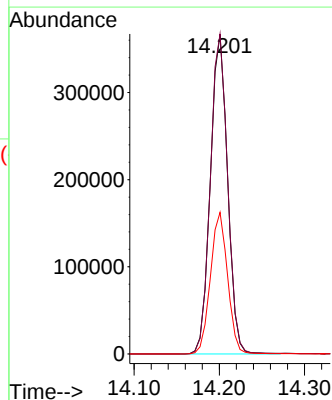
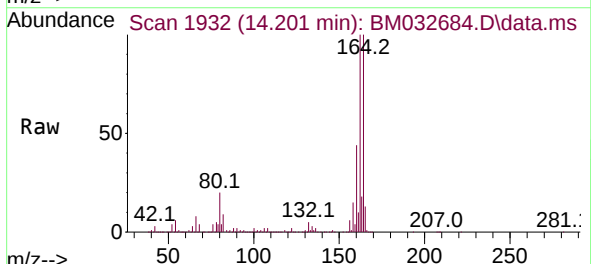
Instrument :
BNA_M
ClientSampleId :
4743DL

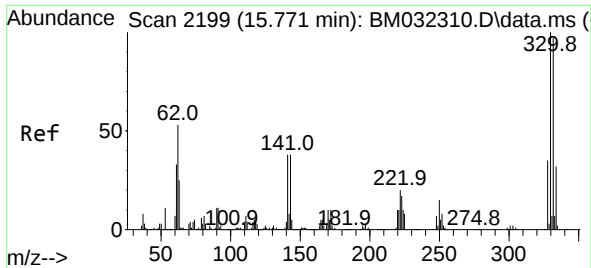
Tgt Ion:142 Resp: 64769
Ion Ratio Lower Upper
142 100
141 91.5 75.6 113.4
116 3.7 4.0 6.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:164 Resp: 513612
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 44.3 35.1 52.7

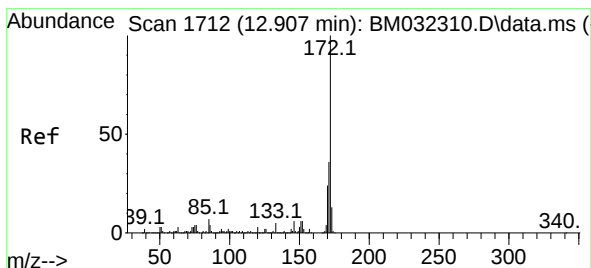
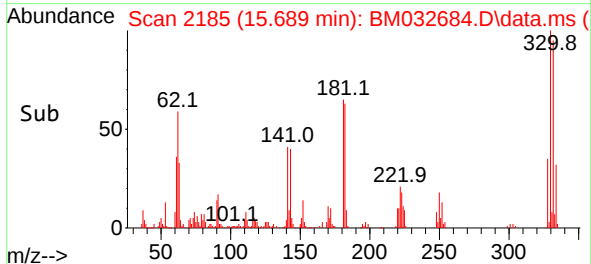
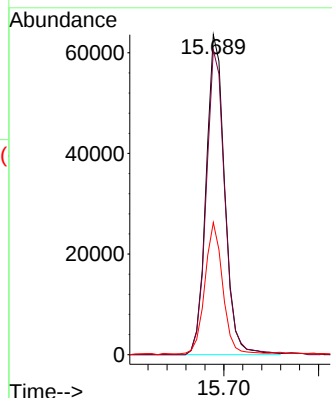
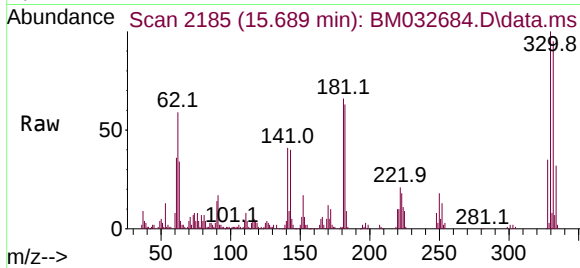




#42
2,4,6-Tribromophenol
Concen: 15.043 ng
RT: 15.689 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

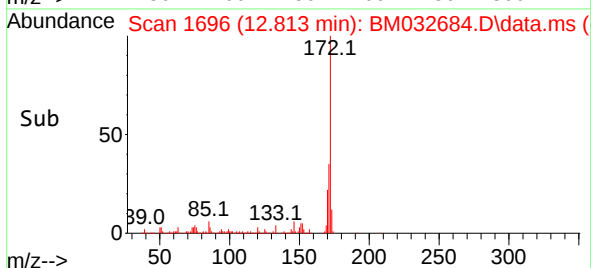
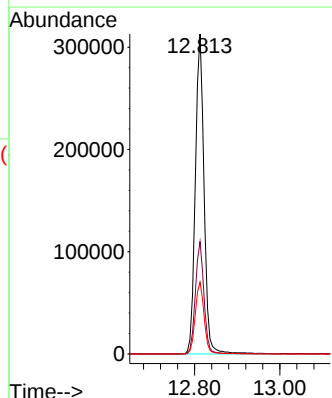
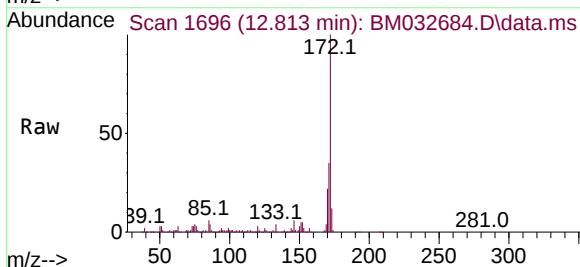
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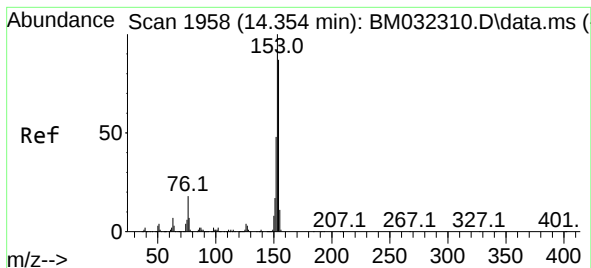
Tgt Ion:330 Resp: 86494
Ion Ratio Lower Upper
330 100
332 96.1 75.7 113.5
141 39.3 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 12.914 ng
RT: 12.813 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:172 Resp: 446108
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.4 18.6 27.8





#52

Acenaphthene

Concen: 12.523 ng

RT: 14.265 min Scan# 1943

Delta R.T. -0.000 min

Lab File: BM032684.D

Acq: 22 Oct 2021 20:21

Instrument :

BNA_M

ClientSampleId :

4743DL

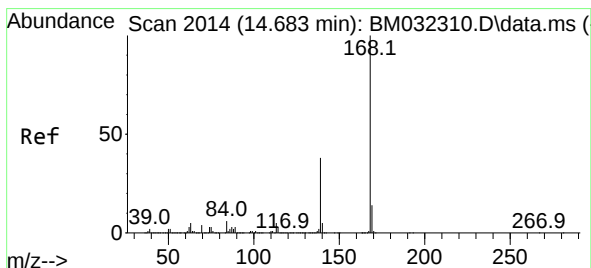
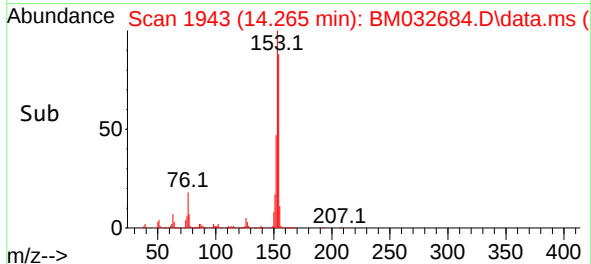
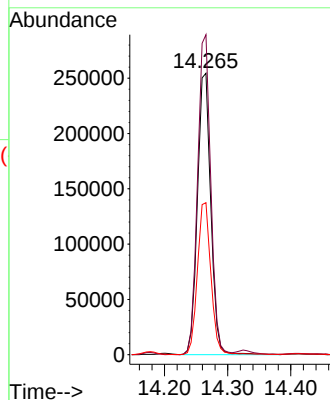
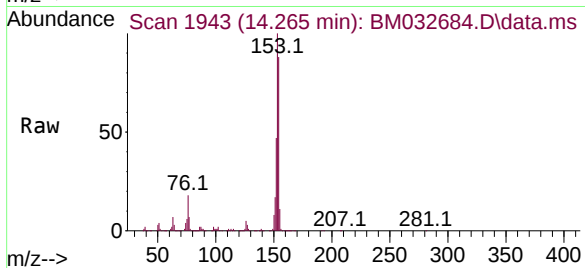
Tgt Ion:154 Resp: 372797

Ion Ratio Lower Upper

154 100

153 113.7 92.4 138.6

152 54.0 43.7 65.5



#55

Dibenzofuran

Concen: 7.448 ng

RT: 14.595 min Scan# 1999

Delta R.T. -0.006 min

Lab File: BM032684.D

Acq: 22 Oct 2021 20:21

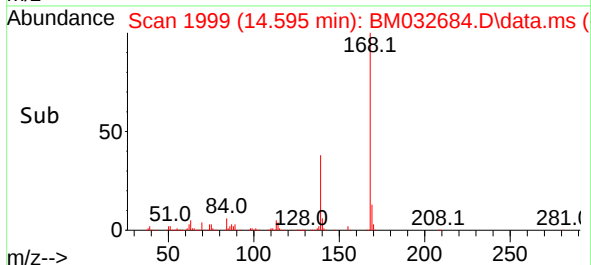
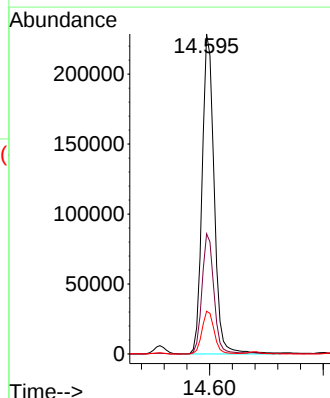
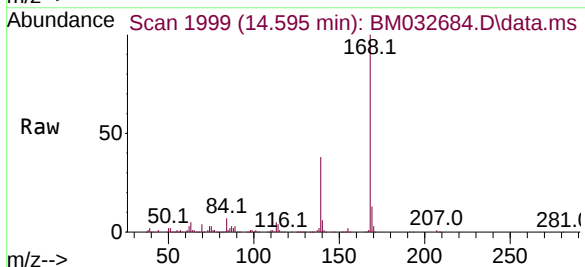
Tgt Ion:168 Resp: 337516

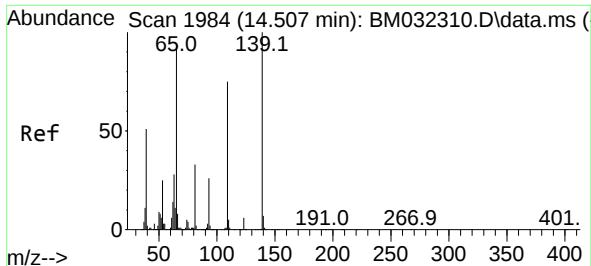
Ion Ratio Lower Upper

168 100

139 37.6 35.0 52.4

169 13.4 10.8 16.2

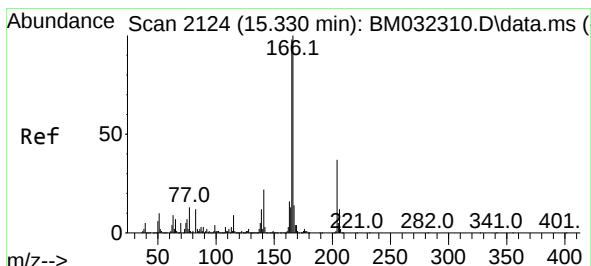
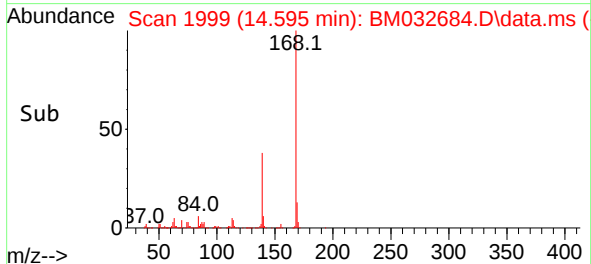
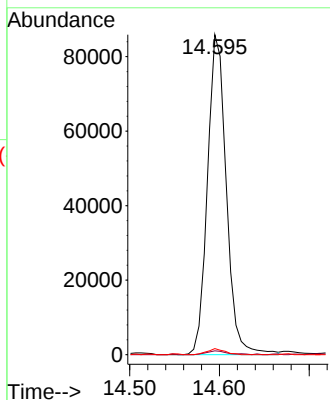
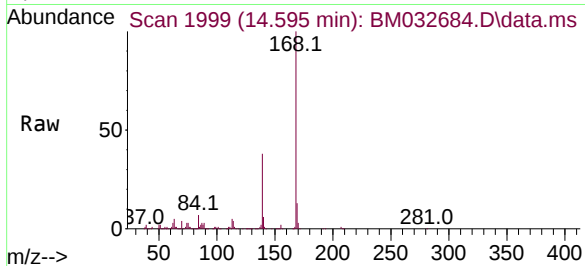




#56
4-Nitrophenol
Concen: 18.427 ng
RT: 14.595 min Scan# 1999
Delta R.T. 0.153 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

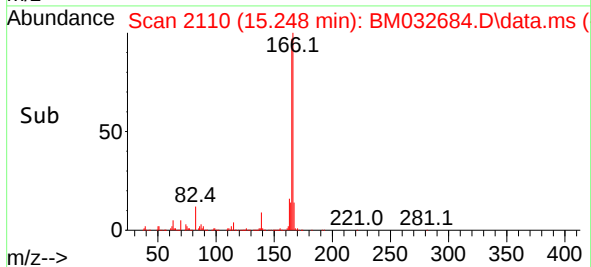
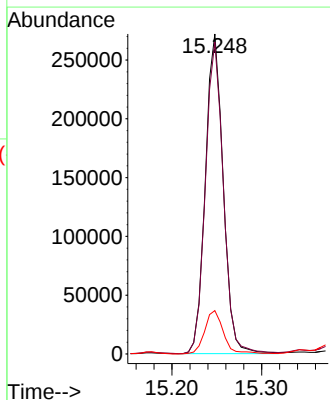
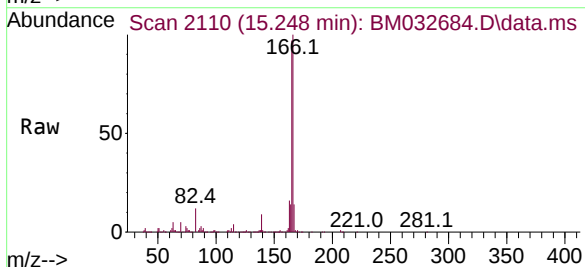
Instrument :
BNA_M
ClientSampled :
4743DL

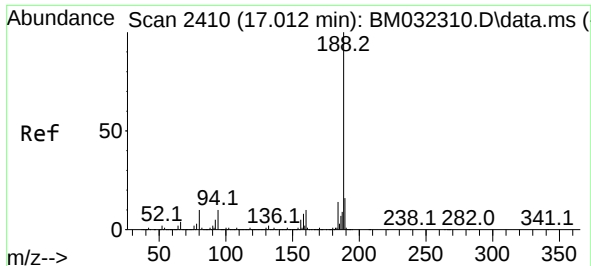
Tgt Ion:139 Resp: 125453
Ion Ratio Lower Upper
139 100
109 1.2 92.3 132.3#
65 1.9 110.5 150.5#



#58
Fluorene
Concen: 10.921 ng
RT: 15.248 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:166 Resp: 376384
Ion Ratio Lower Upper
166 100
165 97.5 79.3 118.9
167 13.5 10.6 16.0

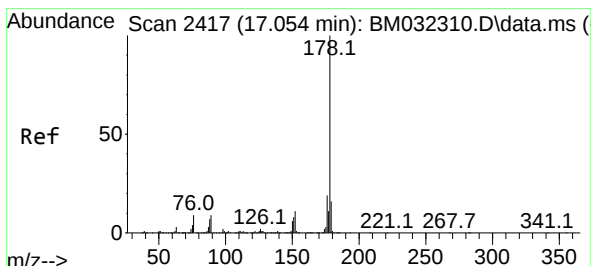
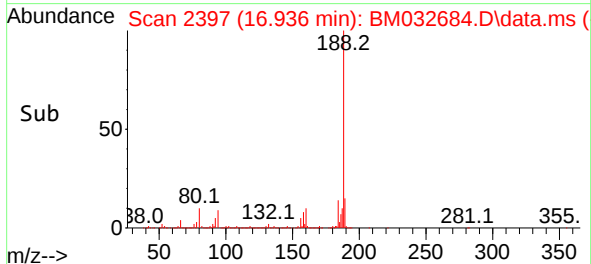
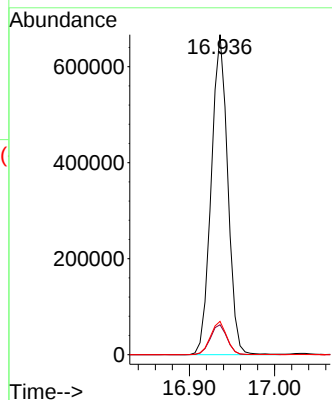
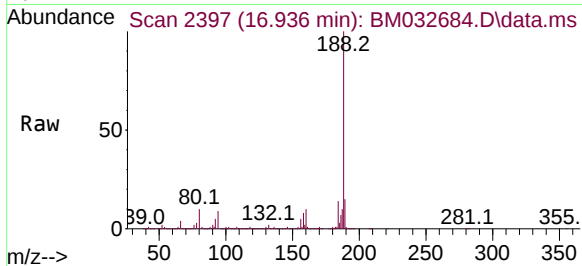




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.936 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

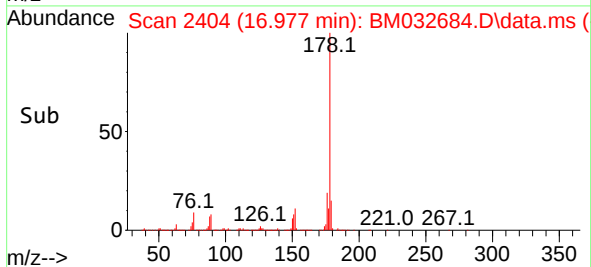
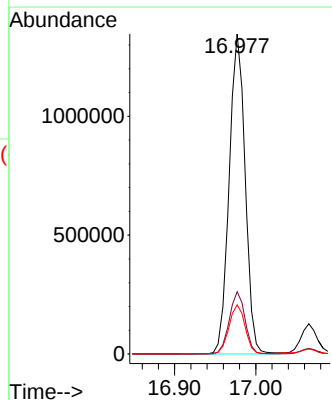
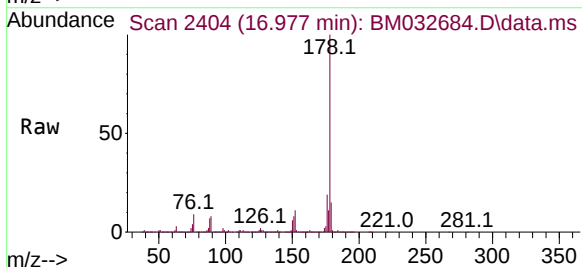
Instrument :
BNA_M
ClientSampleId :
4743DL

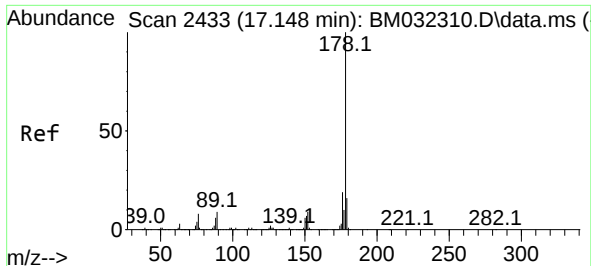
Tgt Ion:188 Resp: 895122
Ion Ratio Lower Upper
188 100
94 9.4 6.3 9.5
80 10.4 7.3 10.9



#71
Phenanthrene
Concen: 39.184 ng
RT: 16.977 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:178 Resp: 1840916
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.4 12.4 18.6

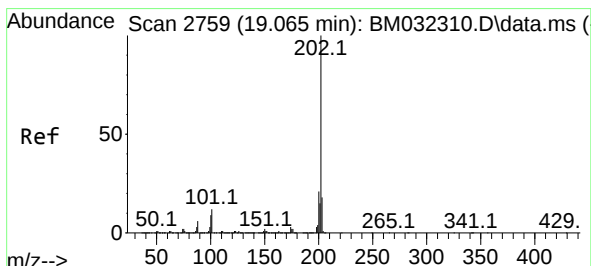
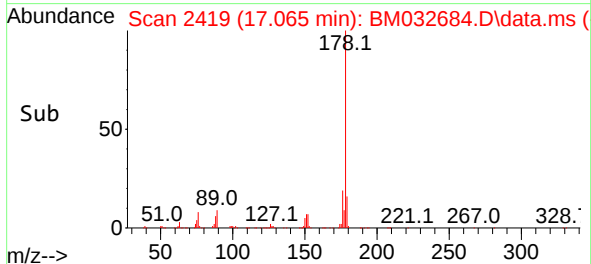
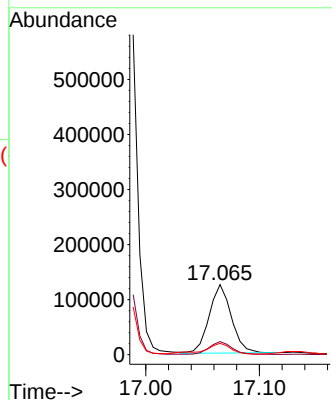
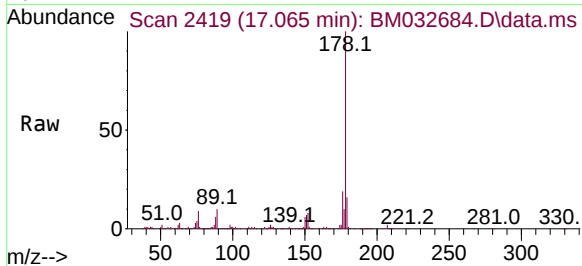




#72
 Anthracene
 Concen: 3.682 ng
 RT: 17.065 min Scan# 2419
 Delta R.T. -0.006 min
 Lab File: BM032684.D
 Acq: 22 Oct 2021 20:21

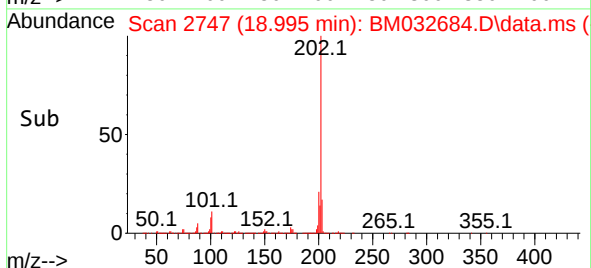
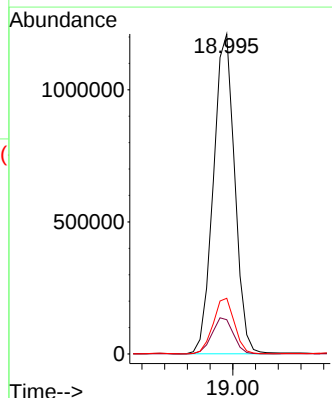
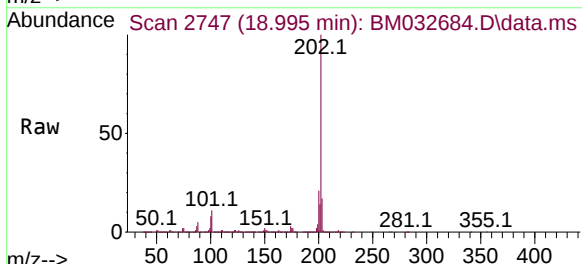
Instrument :
 BNA_M
 ClientSampled :
 4743DL

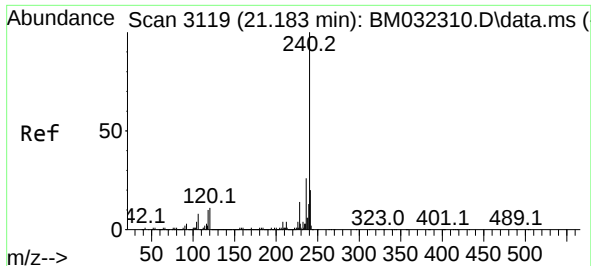
Tgt Ion:178 Resp: 169039
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 16.2 12.3 18.5



#75
 Fluoranthene
 Concen: 30.360 ng
 RT: 18.995 min Scan# 2747
 Delta R.T. -0.000 min
 Lab File: BM032684.D
 Acq: 22 Oct 2021 20:21

Tgt Ion:202 Resp: 1581735
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 29.9
 203 17.4 0.0 36.8

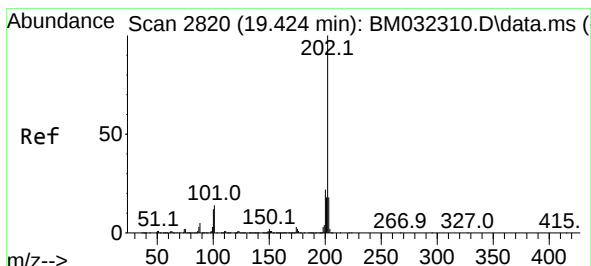
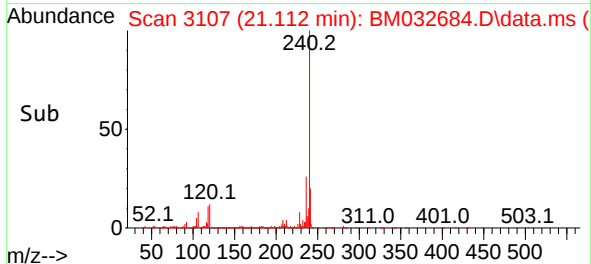
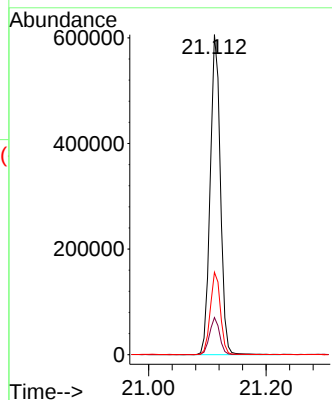
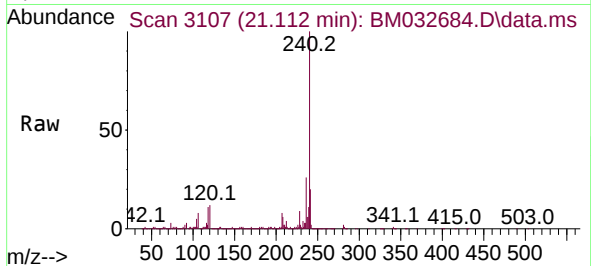




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.112 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

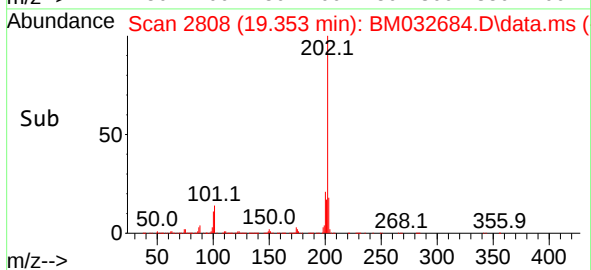
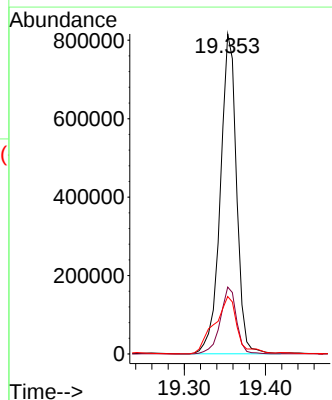
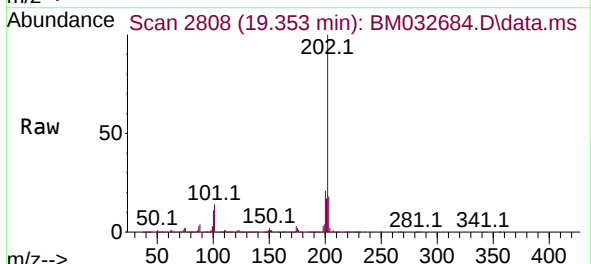
Instrument :
BNA_M
ClientSampleId :
4743DL

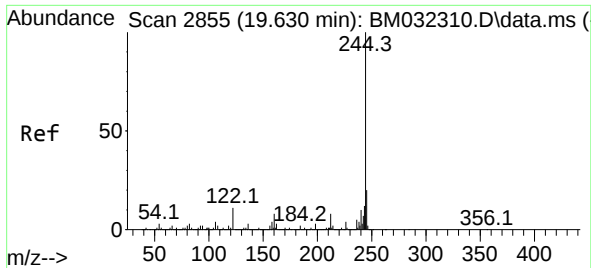
Tgt Ion:240 Resp: 724212
Ion Ratio Lower Upper
240 100
120 11.6 7.8 11.6
236 25.8 20.9 31.3



#78
Pyrene
Concen: 23.083 ng
RT: 19.353 min Scan# 2808
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:202 Resp: 1133570
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 18.0 13.7 20.5

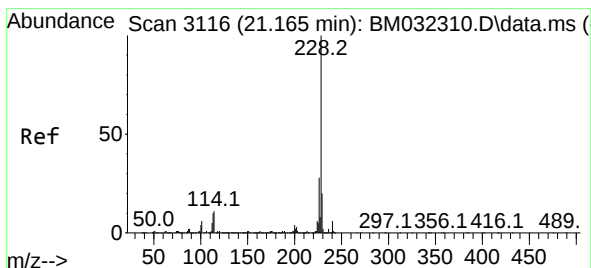
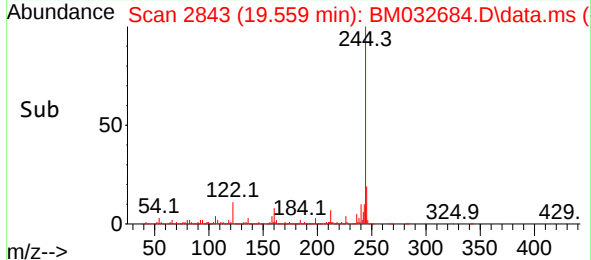
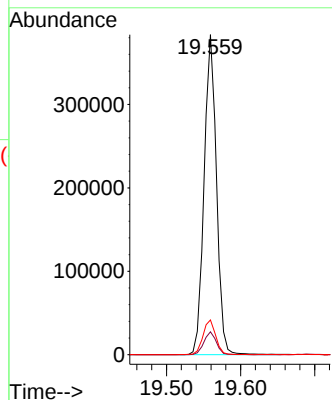
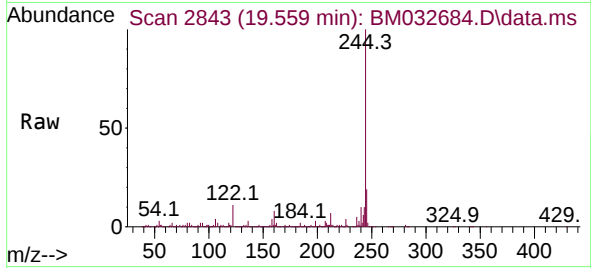




#79
 Terphenyl-d14
 Concen: 12.994 ng
 RT: 19.559 min Scan# 2843
 Delta R.T. -0.006 min
 Lab File: BM032684.D
 Acq: 22 Oct 2021 20:21

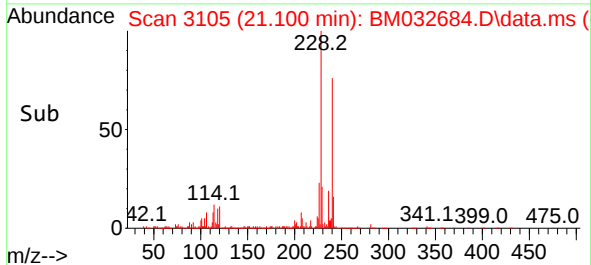
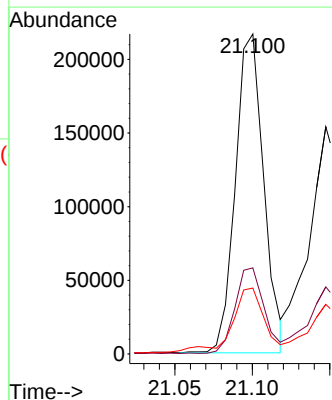
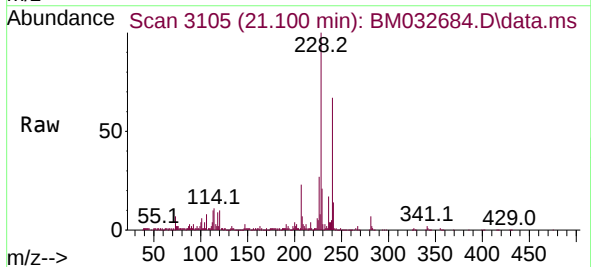
Instrument :
 BNA_M
 ClientSampleId :
 4743DL

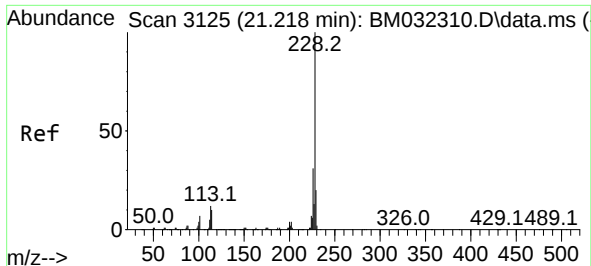
Tgt Ion:244 Resp: 446832
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 10.8 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 6.071 ng
 RT: 21.100 min Scan# 3105
 Delta R.T. -0.000 min
 Lab File: BM032684.D
 Acq: 22 Oct 2021 20:21

Tgt Ion:228 Resp: 274804
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.2
 229 20.6 15.3 22.9

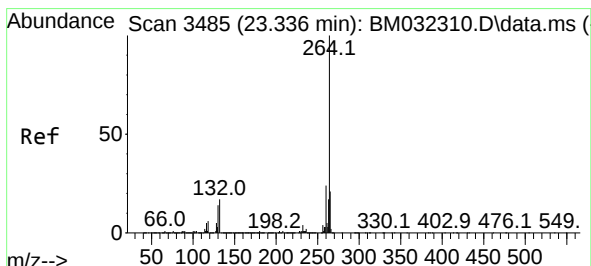
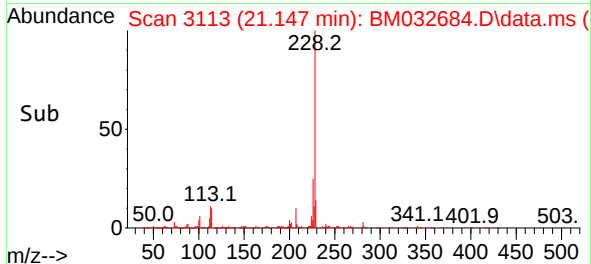
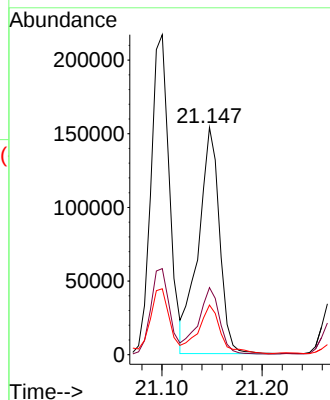
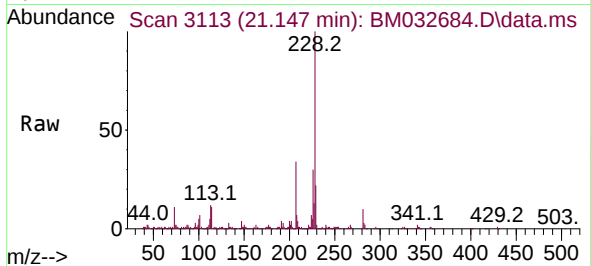




#83
Chrysene
Concen: 5.152 ng
RT: 21.147 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

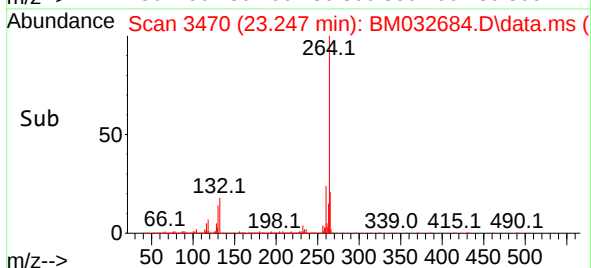
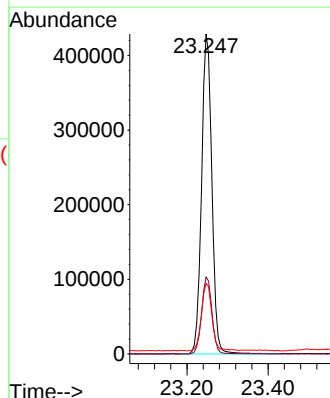
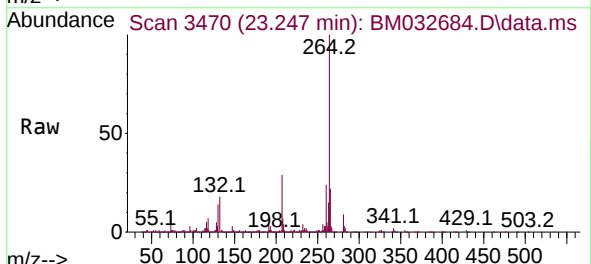
Instrument :
BNA_M
ClientSampleId :
4743DL

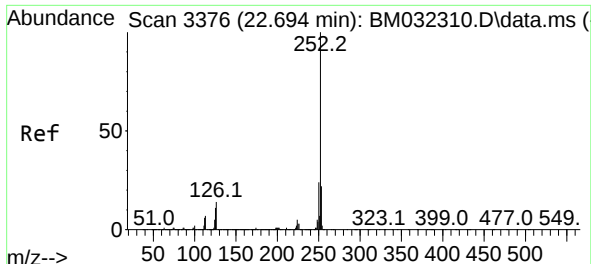
Tgt Ion:228 Resp: 225613
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 21.8 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.247 min Scan# 3470
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Tgt Ion:264 Resp: 758767
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.1 18.3 27.5

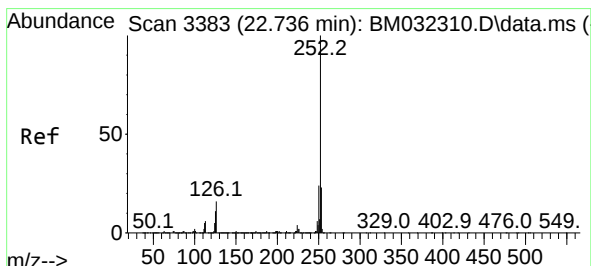
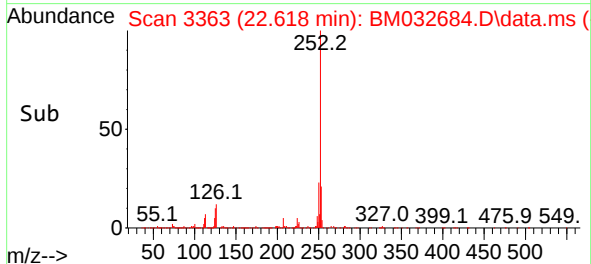
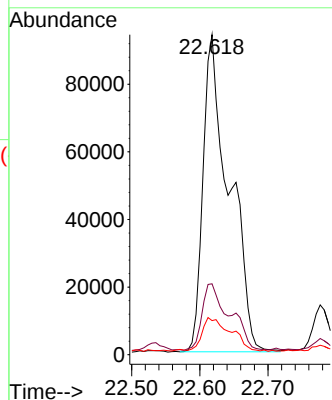
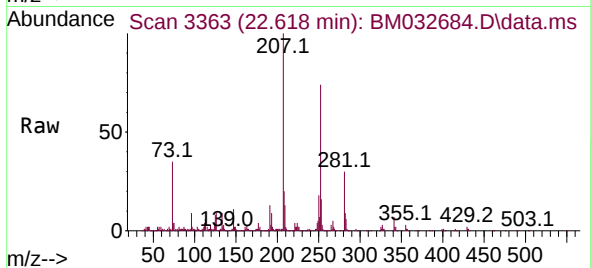




#88
Benzo(b)fluoranthene
Concen: 5.447 ng
RT: 22.618 min Scan# 3363
Delta R.T. -0.000 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

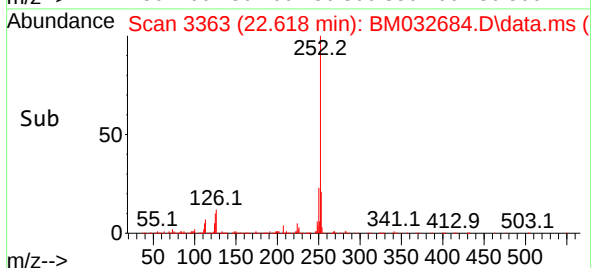
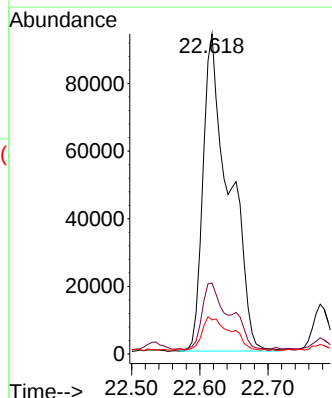
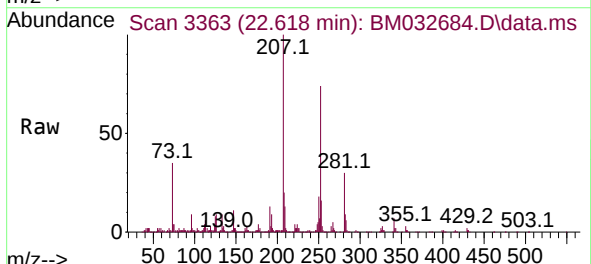
Instrument :
BNA_M
ClientSampled :
4743DL

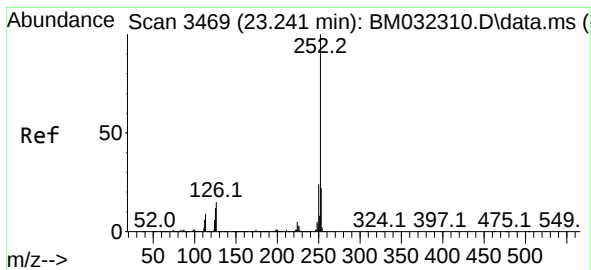
Tgt Ion:252 Resp: 251394
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 10.6 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 5.575 ng
RT: 22.618 min Scan# 3363
Delta R.T. -0.041 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

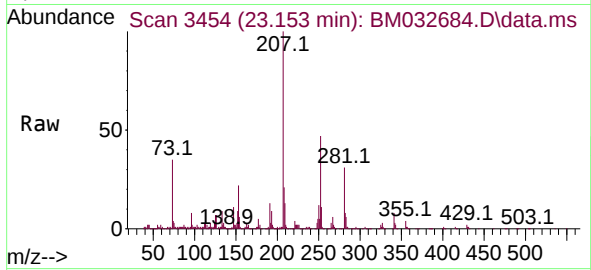
Tgt Ion:252 Resp: 251394
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 10.6 7.5 11.3





#90
Benzo(a)pyrene
Concen: 2.746 ng
RT: 23.153 min Scan# 3454
Delta R.T. -0.006 min
Lab File: BM032684.D
Acq: 22 Oct 2021 20:21

Instrument :
BNA_M
ClientSampleId :
4743DL



Tgt Ion:252 Resp: 102798
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 14.0 8.1 12.1#

