

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035233.D
 Acq On : 24 May 2022 23:34
 Operator : CG/JU
 Sample : N2981-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-10(0.5-1)

Quant Time: May 25 05:45:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

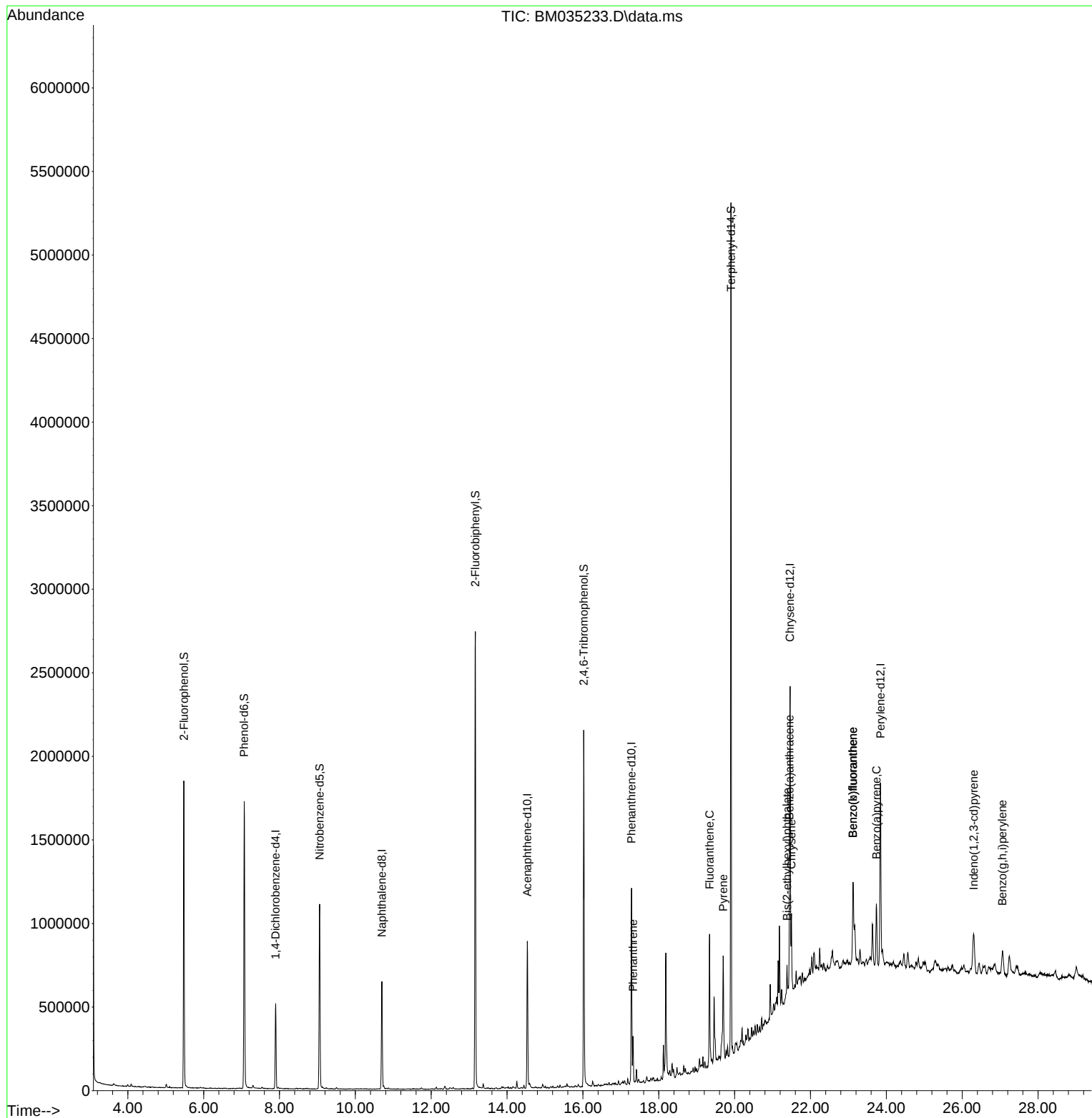
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	140751	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	530563	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	324287	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	704864	20.000	ng	0.00
76) Chrysene-d12	21.462	240	768742	20.000	ng	#-0.01
86) Perylene-d12	23.844	264	810578	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	781578	97.966	ng	0.00
7) Phenol-d6	7.069	99	946022	91.853	ng	0.00
23) Nitrobenzene-d5	9.057	82	629737	64.096	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	401772	113.894	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1467795	65.706	ng	0.00
79) Terphenyl-d14	19.903	244	2350139	59.192	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.321	178	170055	4.329	ng	99
75) Fluoranthene	19.339	202	408956	9.481	ng	98
78) Pyrene	19.698	202	373073	7.339	ng	99
81) Benzo(a)anthracene	21.445	228	274722	5.356	ng	98
83) Chrysene	21.497	228	254576	5.196	ng	97
84) Bis(2-ethylhexyl)phtha...	21.380	149	73043	2.129	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.303	276	187459	3.042	ng	# 93
88) Benzo(b)fluoranthene	23.121	252	493795	9.686	ng	95
89) Benzo(k)fluoranthene	23.121	252	493795	9.568	ng	95
90) Benzo(a)pyrene	23.738	252	256657	6.060	ng	96
92) Benzo(g,h,i)perylene	27.062	276	175374	3.531	ng	97

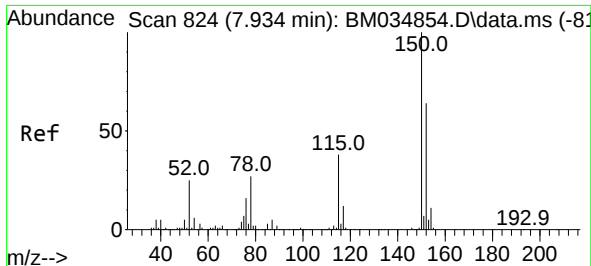
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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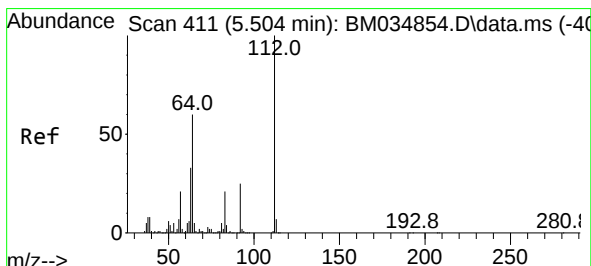
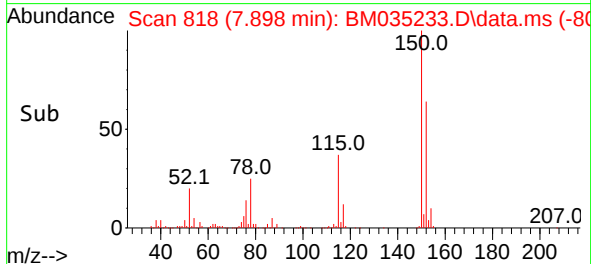
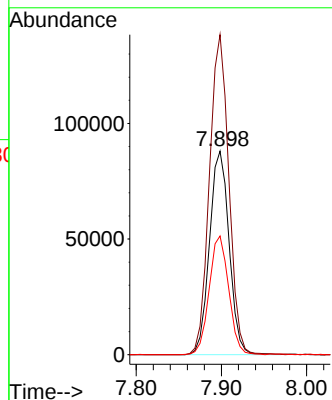
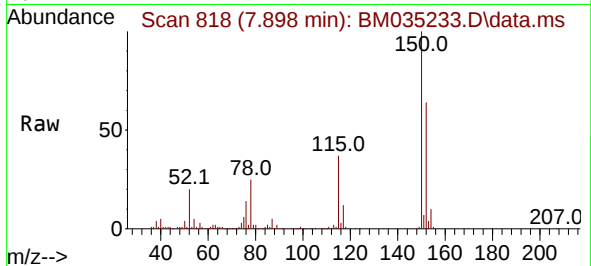




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

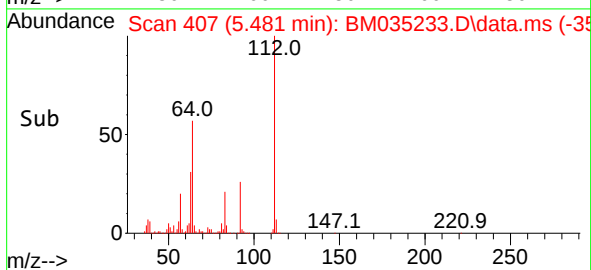
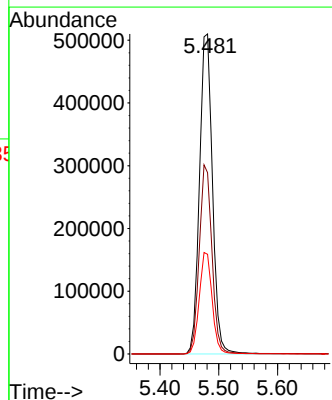
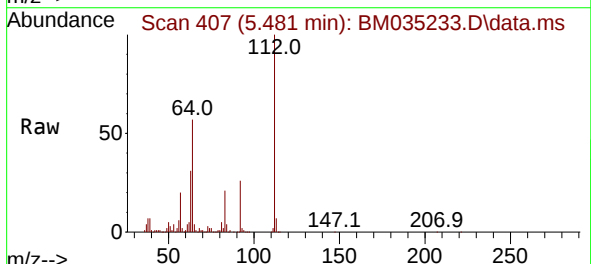
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BNA_M
ClientSampleId :
SB-10(0.5-1)

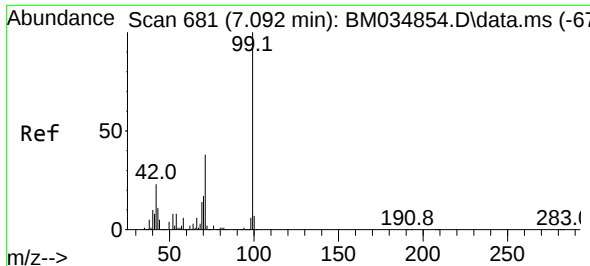
Tgt Ion:152 Resp: 140751
Ion Ratio Lower Upper
152 100
150 157.2 124.9 187.3
115 58.4 47.9 71.9



#5
2-Fluorophenol
Concen: 97.966 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:112 Resp: 781578
Ion Ratio Lower Upper
112 100
64 56.7 47.8 71.6
63 31.1 26.6 40.0

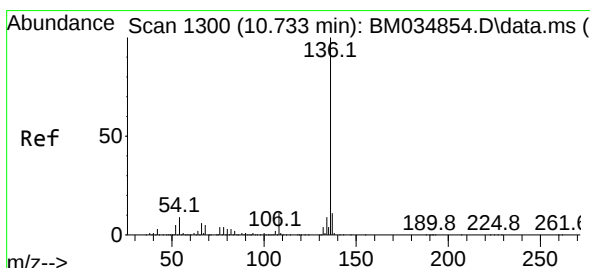
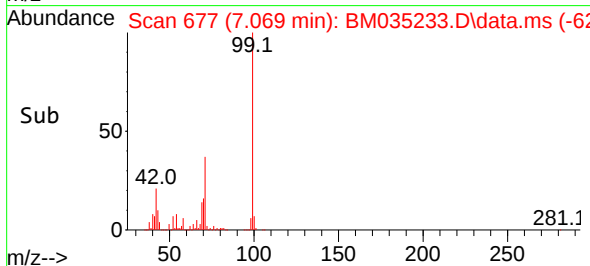
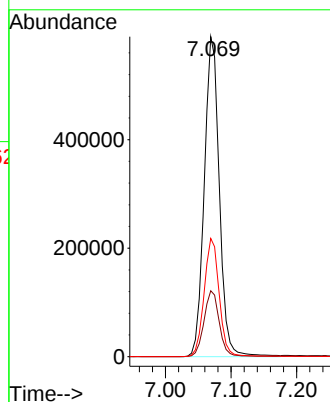
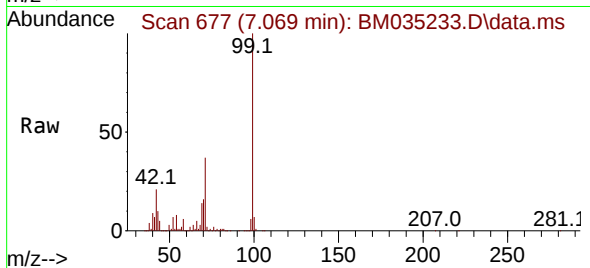




#7
Phenol-d6
Concen: 91.853 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

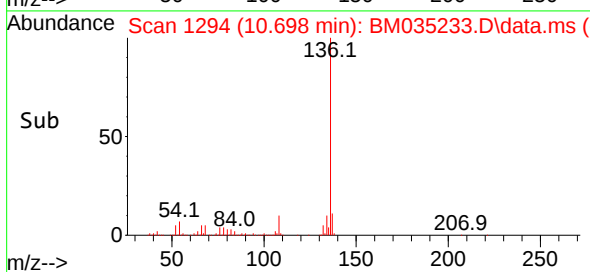
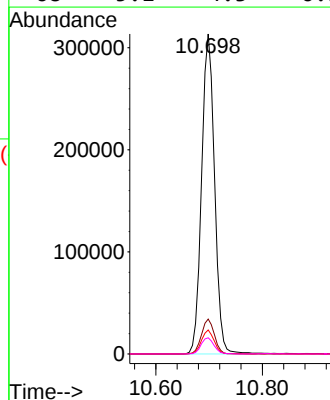
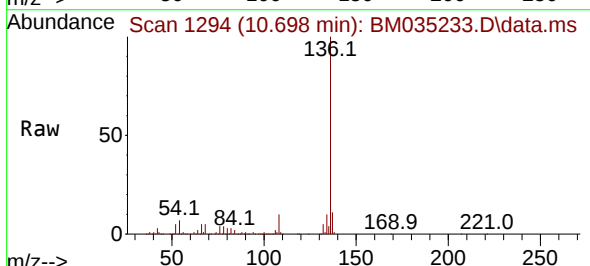
Instrument :
BNA_M
ClientSampleId :
SB-10(0.5-1)

Tgt Ion: 99 Resp: 946022
Ion Ratio Lower Upper
99 100
42 20.6 18.8 28.2
71 37.0 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion: 136 Resp: 530563
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.5 7.0 10.4
68 5.1 4.3 6.5

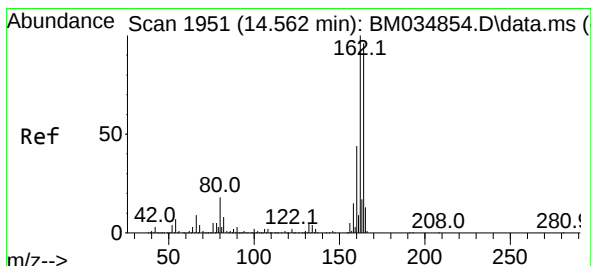
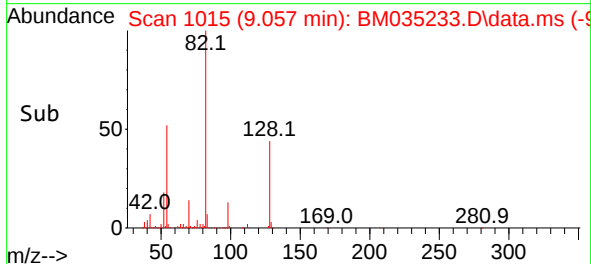
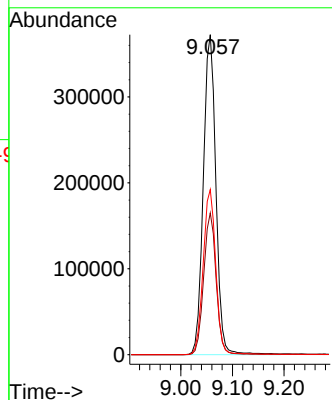
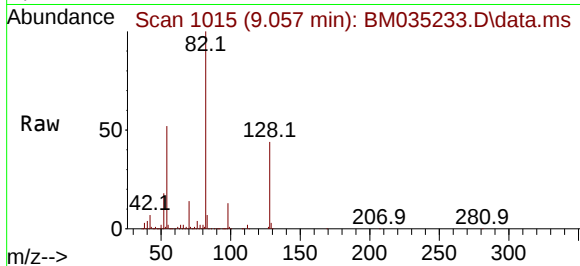




#23
Nitrobenzene-d5
Concen: 64.096 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

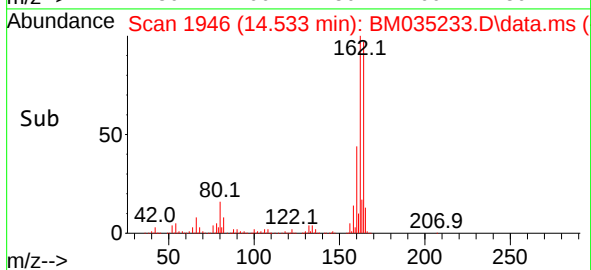
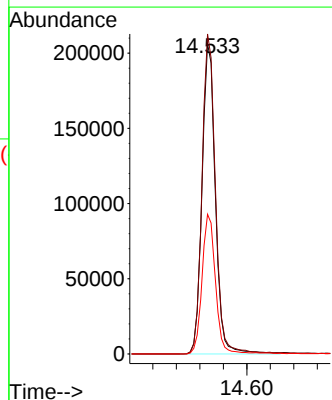
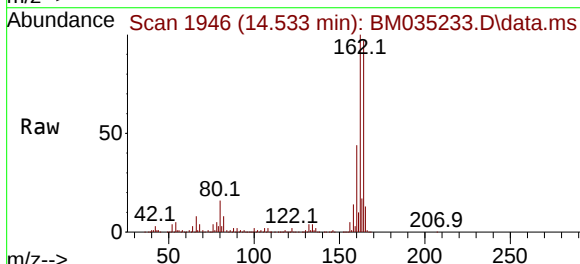
Instrument :
BNA_M
ClientSampleId :
SB-10(0.5-1)

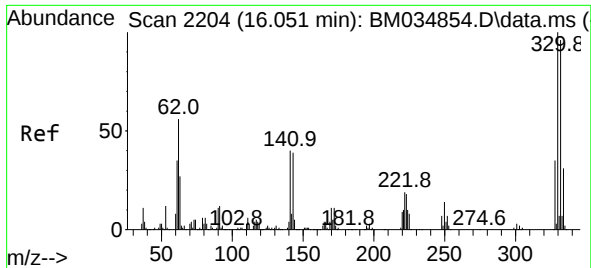
Tgt Ion: 82 Resp: 629737
Ion Ratio Lower Upper
82 100
128 44.3 33.7 50.5
54 51.6 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion: 164 Resp: 324287
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.6
160 45.0 37.0 55.4

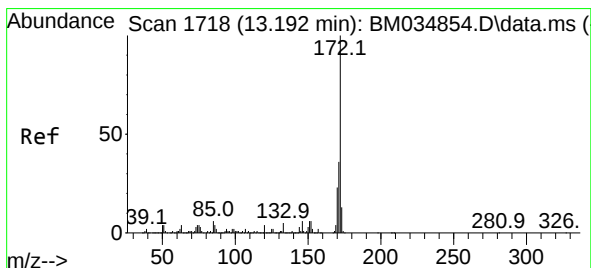
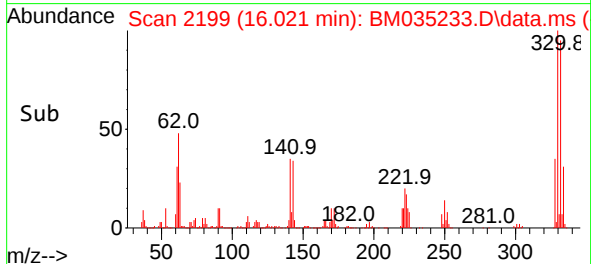
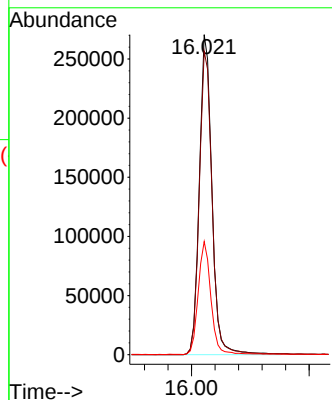
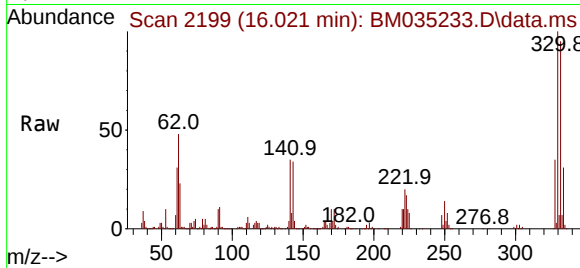




#42
2,4,6-Tribromophenol
Concen: 113.894 ng
RT: 16.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

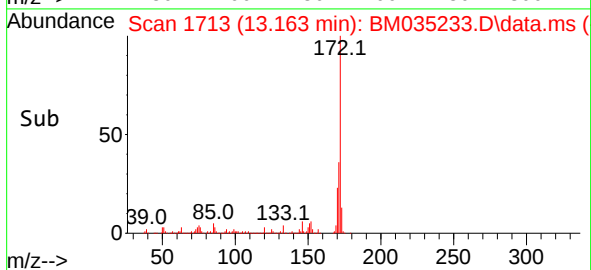
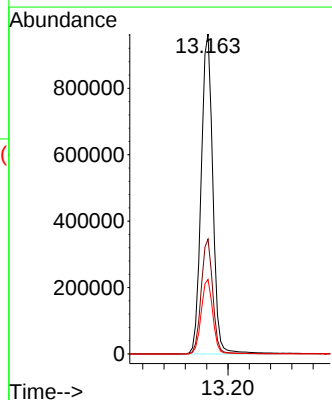
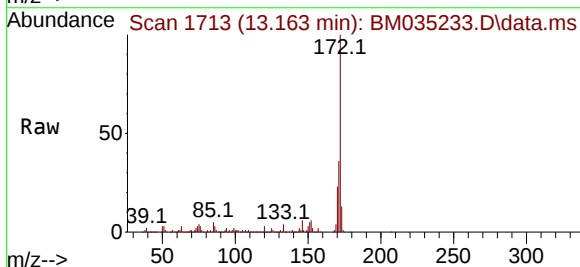
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ClientSampleId :
SB-10(0.5-1)

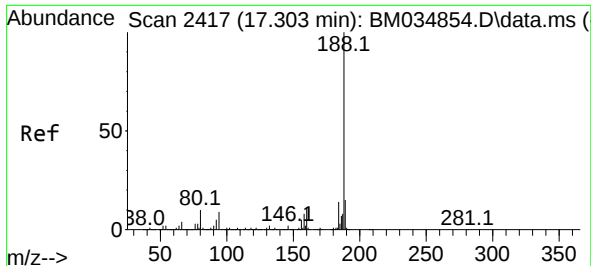
Tgt Ion:330 Resp: 401772
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 35.5 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 65.706 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:172 Resp: 1467795
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.3 18.7 28.1

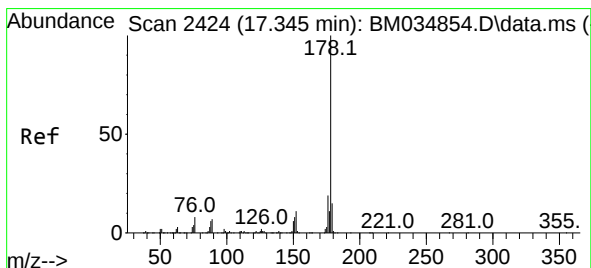
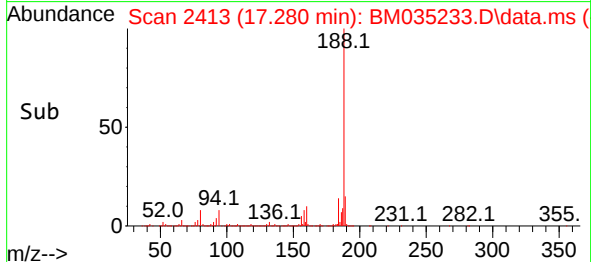
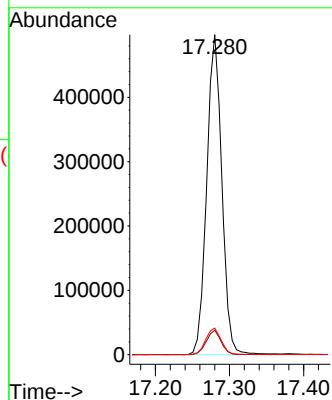
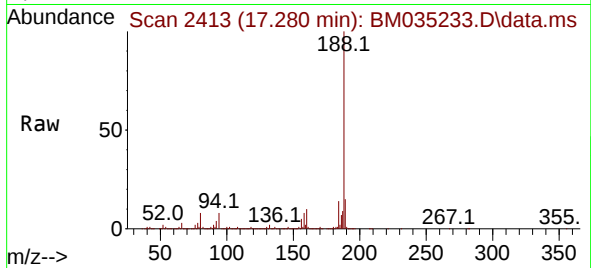




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

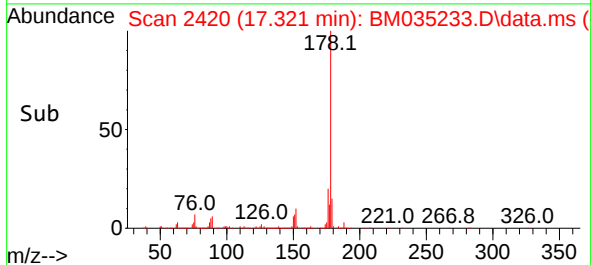
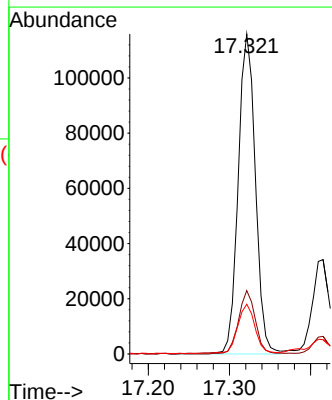
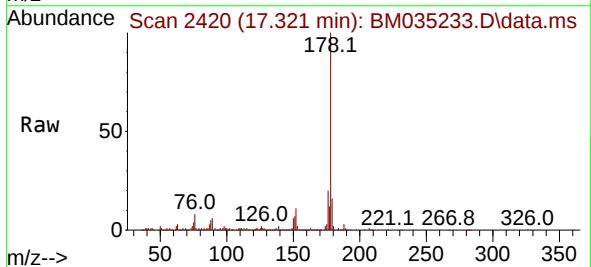
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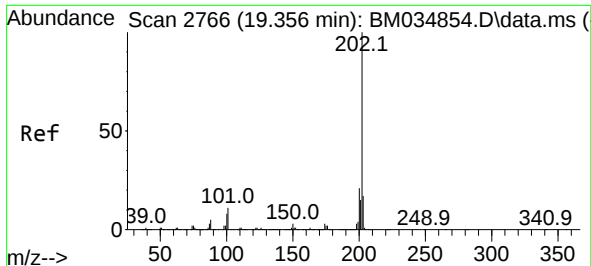
Tgt Ion:188 Resp: 704864
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.3 7.6 11.4



#71
Phenanthrene
Concen: 4.329 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:178 Resp: 170055
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.5 12.4 18.6

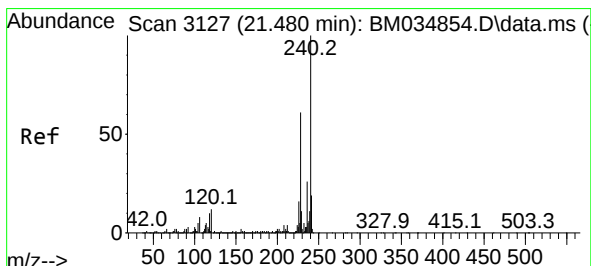
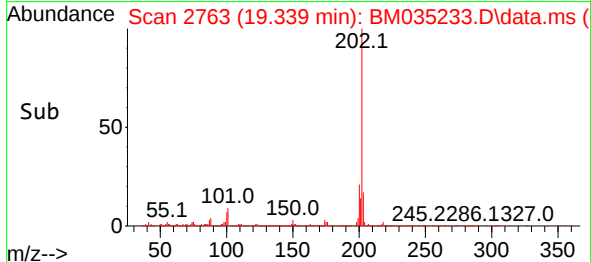
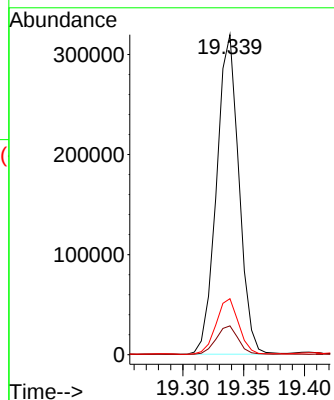
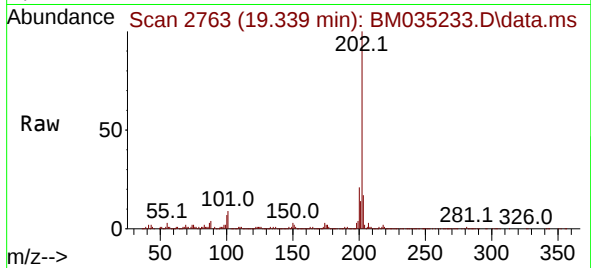




#75
Fluoranthene
Concen: 9.481 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

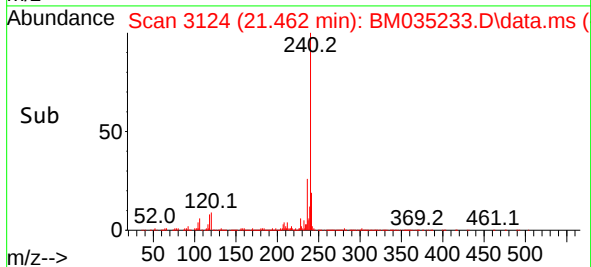
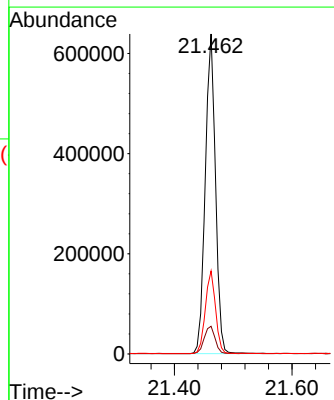
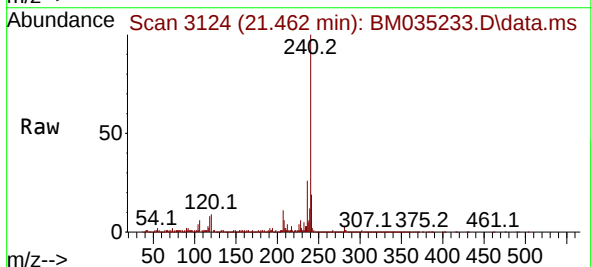
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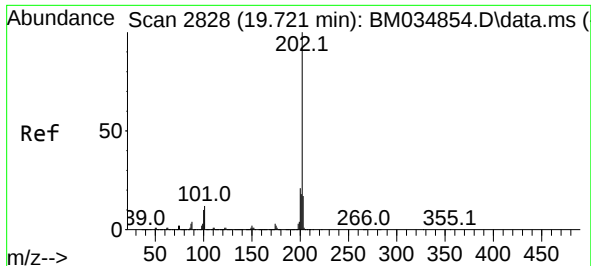
Tgt Ion:202 Resp: 408956
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.6
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:240 Resp: 768742
Ion Ratio Lower Upper
240 100
120 8.7 9.4 14.0#
236 25.9 20.6 30.8

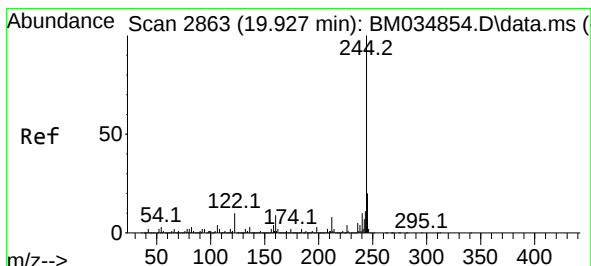
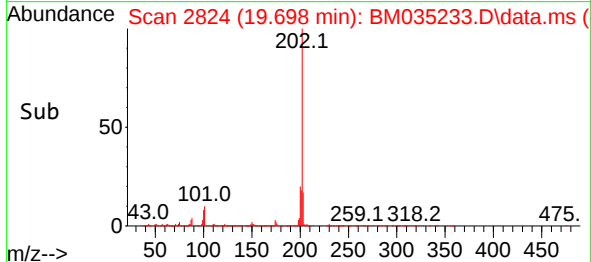
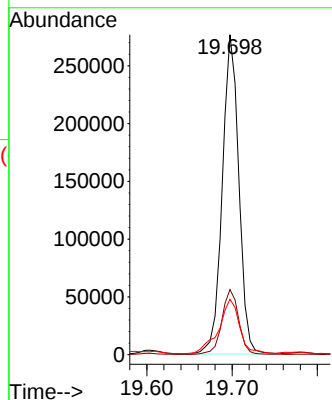
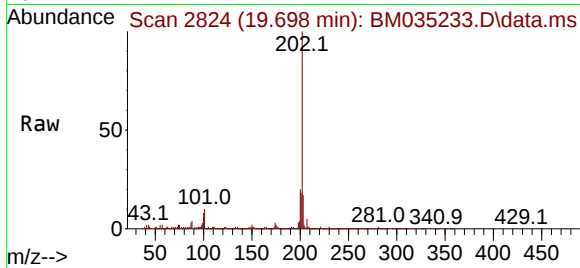




#78
 Pyrene
 Concen: 7.339 ng
 RT: 19.698 min Scan# 2824
 Delta R.T. -0.012 min
 Lab File: BM035233.D
 Acq: 24 May 2022 23:34

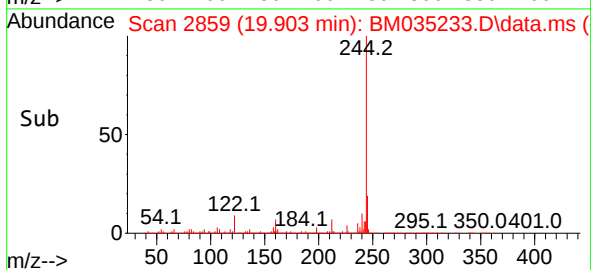
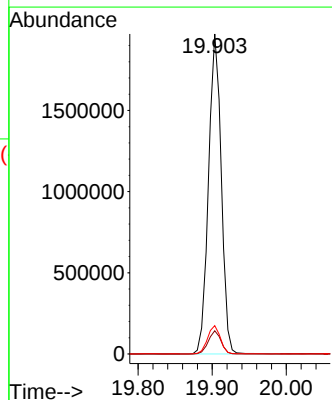
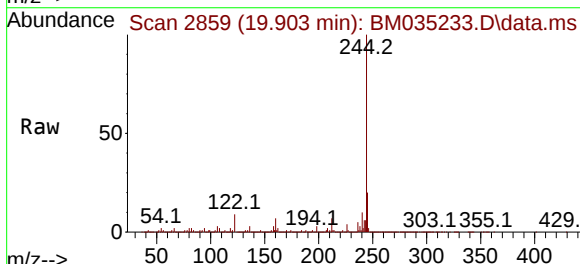
Instrument :
 BNA_M
 ClientSampleId :
 SB-10(0.5-1)

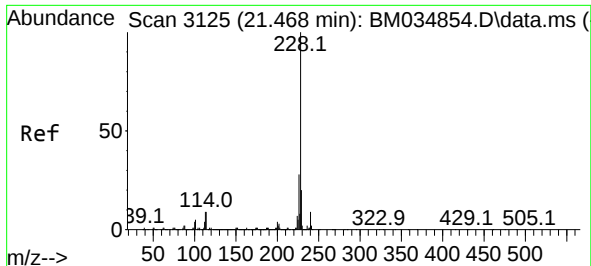
Tgt Ion:202 Resp: 373073
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.7 25.1
 203 17.3 13.9 20.9



#79
 Terphenyl-d14
 Concen: 59.192 ng
 RT: 19.903 min Scan# 2859
 Delta R.T. -0.012 min
 Lab File: BM035233.D
 Acq: 24 May 2022 23:34

Tgt Ion:244 Resp: 2350139
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 8.8 8.3 12.5

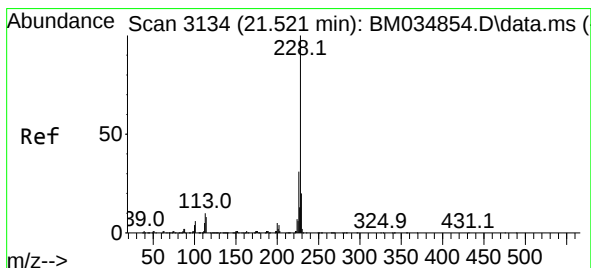
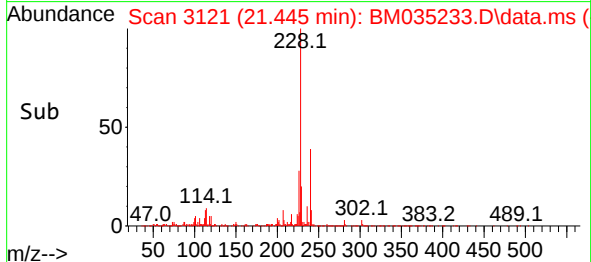
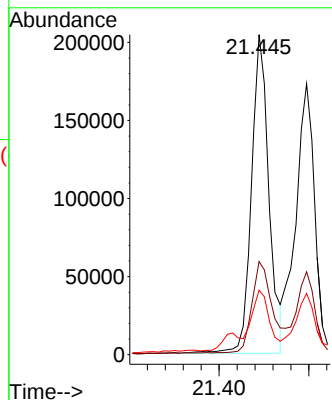
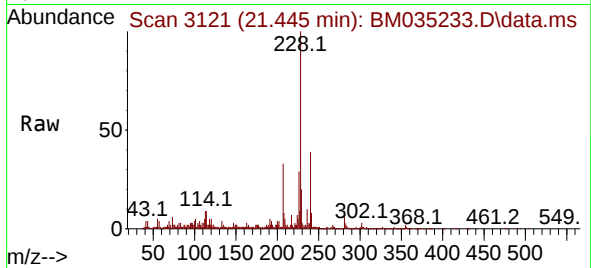




#81
Benzo(a)anthracene
Concen: 5.356 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

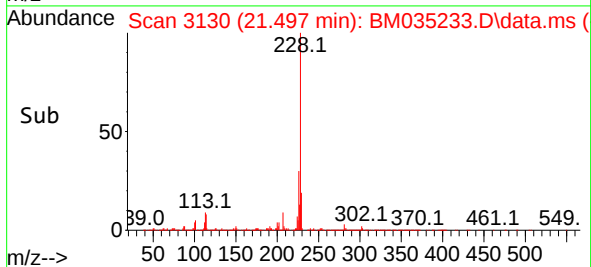
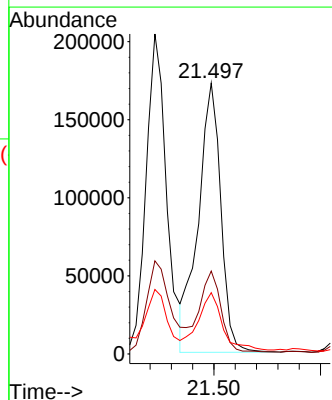
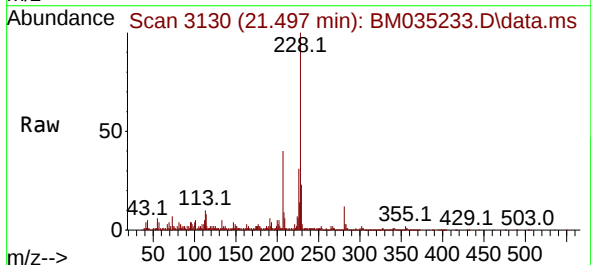
Instrument :
BNA_M
ClientSampleId :
SB-10(0.5-1)

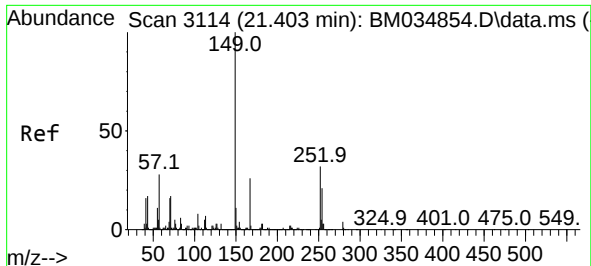
Tgt Ion:228 Resp: 274722
Ion Ratio Lower Upper
228 100
226 29.1 22.3 33.5
229 20.1 15.8 23.6



#83
Chrysene
Concen: 5.196 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:228 Resp: 254576
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.6 15.8 23.8

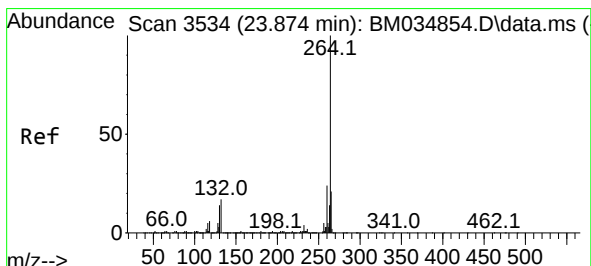
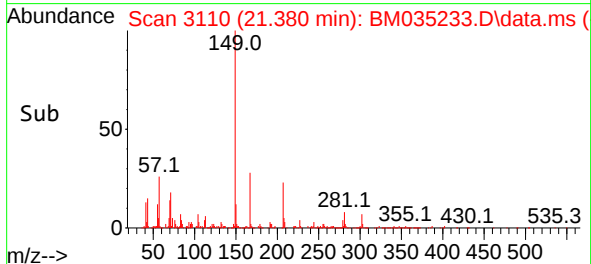
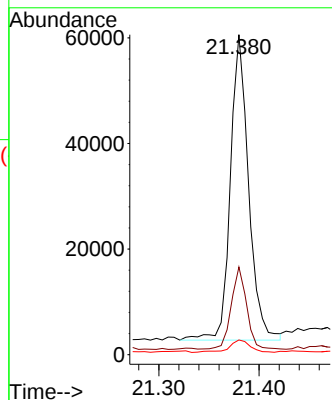
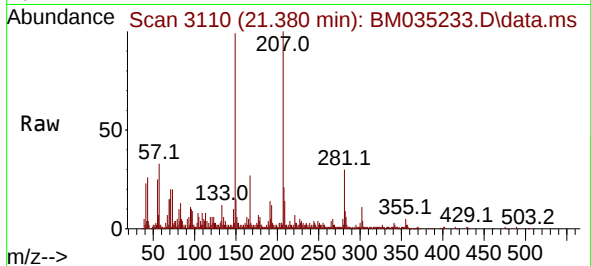




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.129 ng
RT: 21.380 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

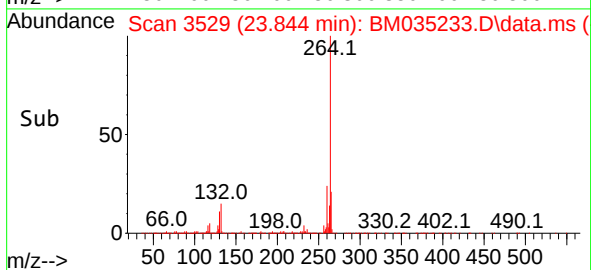
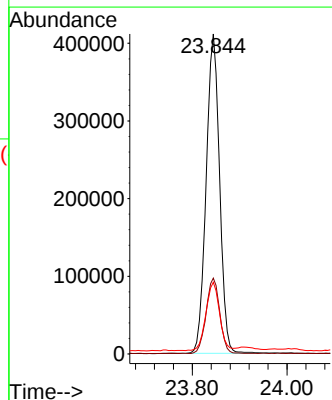
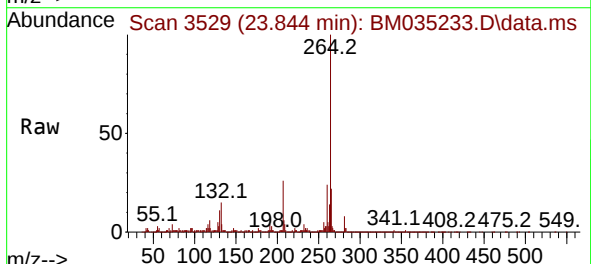
Instrument :
BNA_M
ClientSampleId :
SB-10(0.5-1)

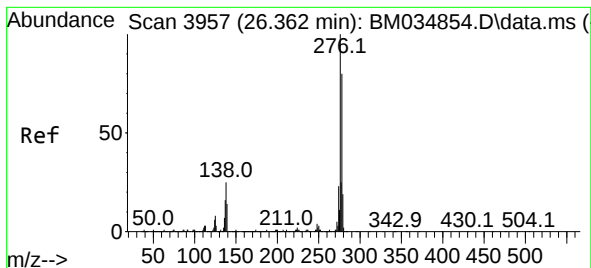
Tgt Ion:149 Resp: 73043
Ion Ratio Lower Upper
149 100
167 27.4 21.1 31.7
279 4.6 2.8 4.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.844 min Scan# 3529
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:264 Resp: 810578
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.042 ng

RT: 26.303 min Scan# 3947

Delta R.T. -0.029 min

Lab File: BM035233.D

Acq: 24 May 2022 23:34

Instrument :

BNA_M

ClientSampleId :

SB-10(0.5-1)

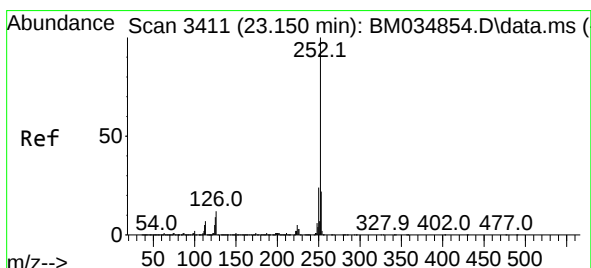
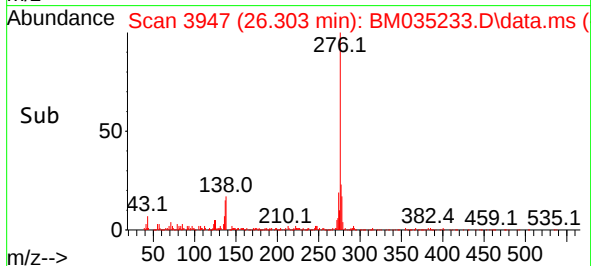
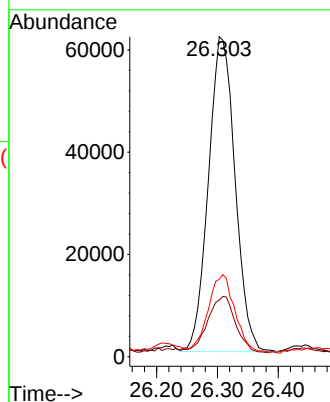
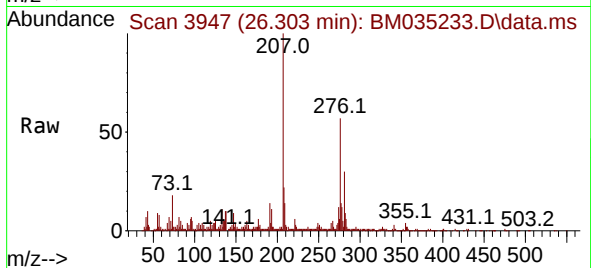
Tgt Ion:276 Resp: 187459

Ion Ratio Lower Upper

276 100

138 18.5 20.2 30.4#

277 25.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.686 ng

RT: 23.121 min Scan# 3406

Delta R.T. -0.012 min

Lab File: BM035233.D

Acq: 24 May 2022 23:34

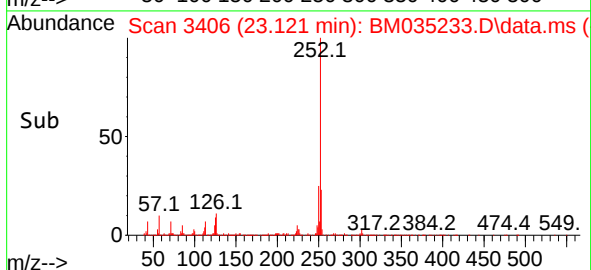
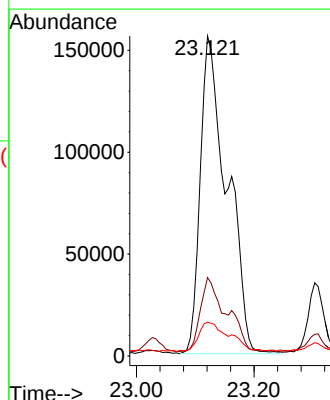
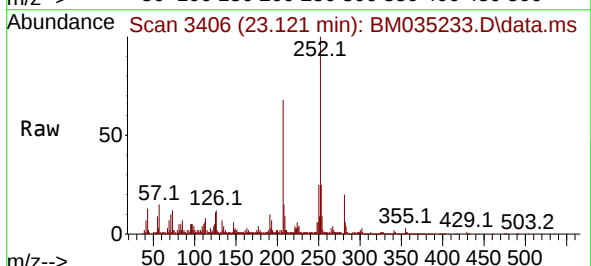
Tgt Ion:252 Resp: 493795

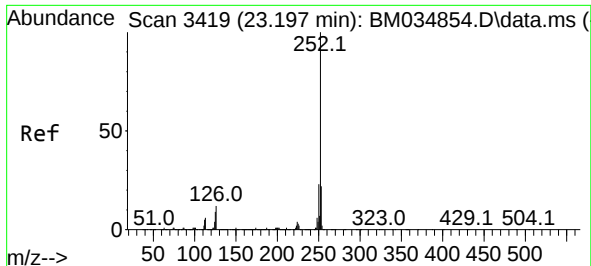
Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

125 10.5 7.6 11.4

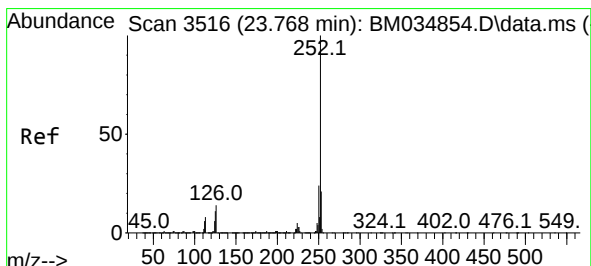
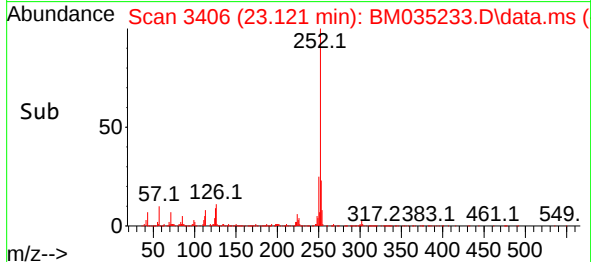
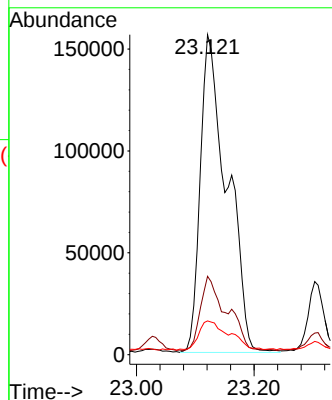
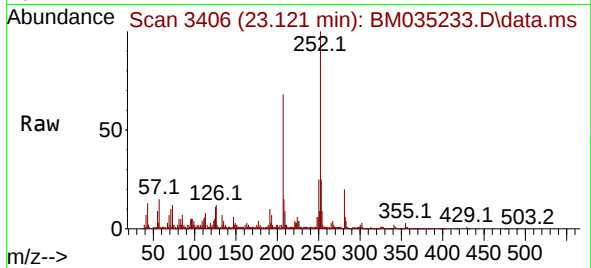




#89
Benzo(k)fluoranthene
Concen: 9.568 ng
RT: 23.121 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

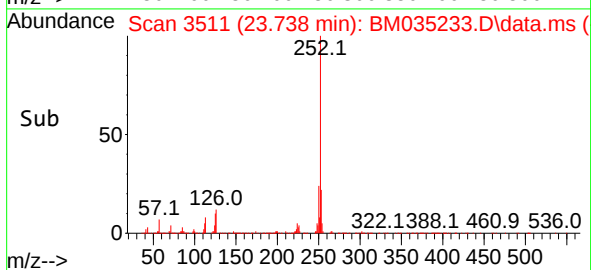
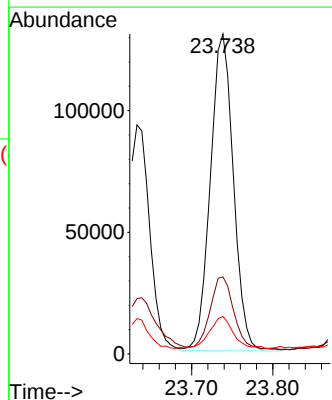
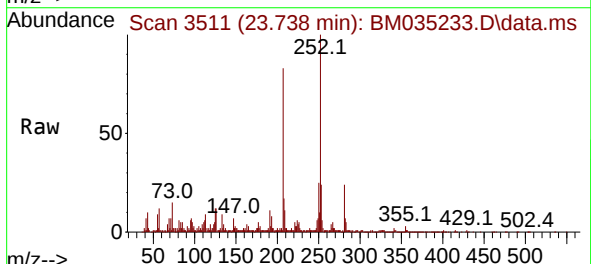
Instrument :
BNA_M
ClientSampleId :
SB-10(0.5-1)

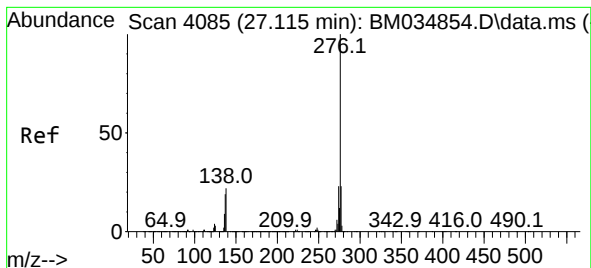
Tgt Ion:252 Resp: 493795
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 10.5 7.6 11.4



#90
Benzo(a)pyrene
Concen: 6.060 ng
RT: 23.738 min Scan# 3511
Delta R.T. -0.012 min
Lab File: BM035233.D
Acq: 24 May 2022 23:34

Tgt Ion:252 Resp: 256657
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 11.7 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 3.531 ng

RT: 27.062 min Scan# 40

Delta R.T. -0.029 min

Lab File: BM035233.D

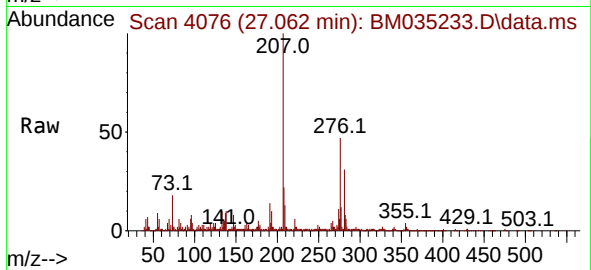
Acq: 24 May 2022 23:34

Instrument :

BNA_M

ClientSampleId :

SB-10(0.5-1)



Tgt Ion:276 Resp: 175374

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 21.6 17.6 26.4

