

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035231.D
 Acq On : 24 May 2022 22:21
 Operator : CG/JU
 Sample : N2981-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-11(0.5-1)

Quant Time: May 25 05:44:53 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)

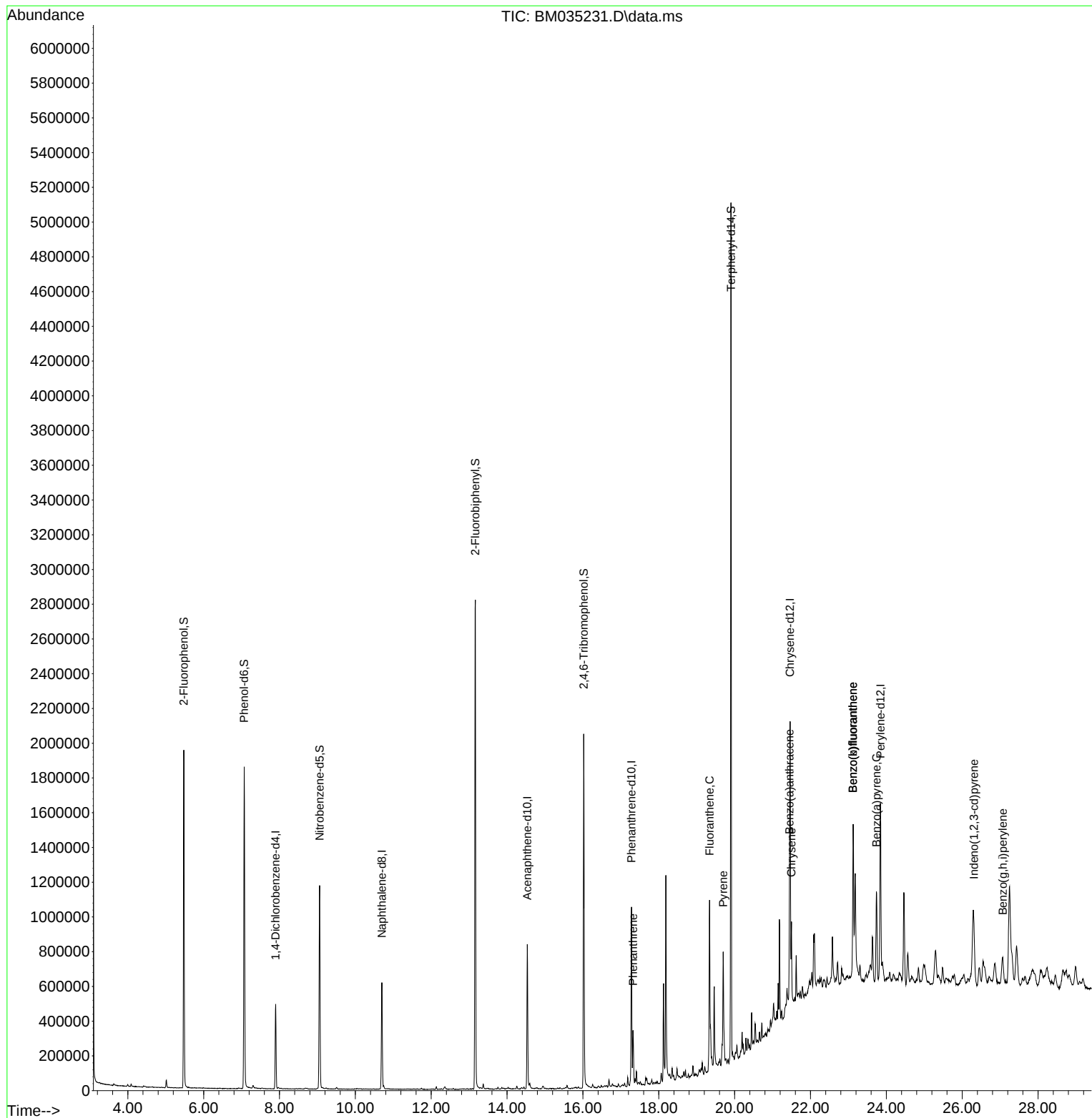
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	132337	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	505280	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	295269	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	621294	20.000	ng	0.00
76) Chrysene-d12	21.462	240	683117	20.000	ng	-0.01
86) Perylene-d12	23.844	264	738327	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	805973	107.446	ng	0.00
7) Phenol-d6	7.069	99	985025	101.721	ng	0.00
23) Nitrobenzene-d5	9.057	82	662087	70.760	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	372406	115.944	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1486529	73.084	ng	0.00
79) Terphenyl-d14	19.903	244	2232021	63.264	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.321	178	165136	4.769	ng	99
75) Fluoranthene	19.339	202	430751	11.329	ng	98
78) Pyrene	19.698	202	376541	8.335	ng	99
81) Benzo(a)anthracene	21.445	228	273016	5.990	ng	99
83) Chrysene	21.497	228	245514	5.639	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	193576	3.448	ng	# 95
88) Benzo(b)fluoranthene	23.121	252	363364	7.825	ng	# 95
89) Benzo(k)fluoranthene	23.121	252	363364	7.730	ng	# 95
90) Benzo(a)pyrene	23.739	252	273670	7.094	ng	98
92) Benzo(g,h,i)perylene	27.074	276	189785	4.195	ng	96

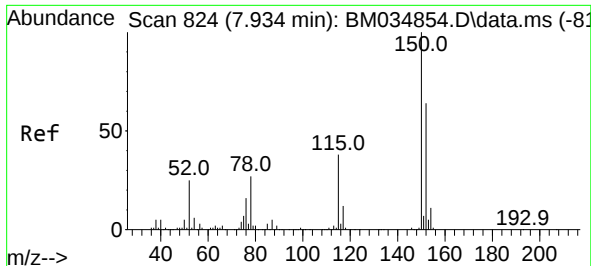
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
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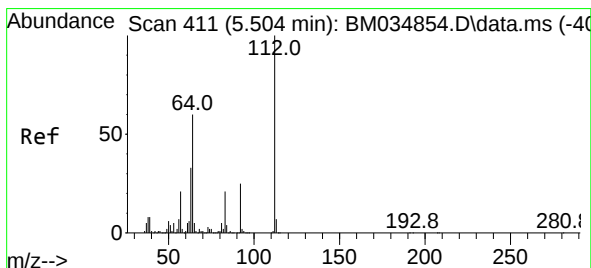
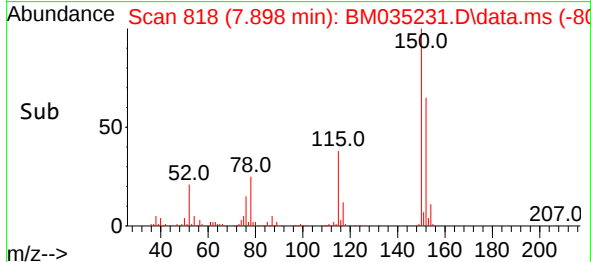
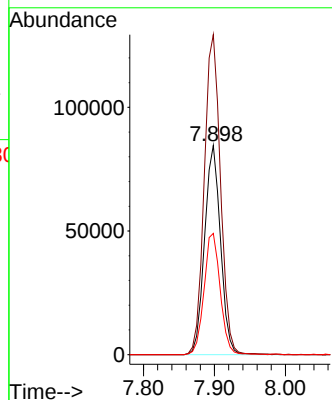
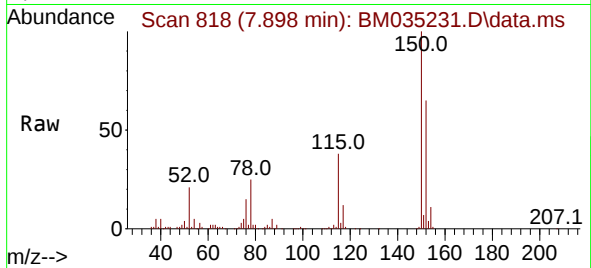




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

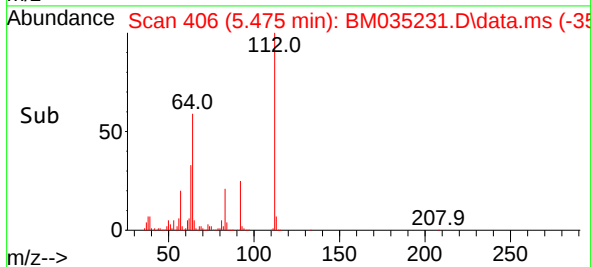
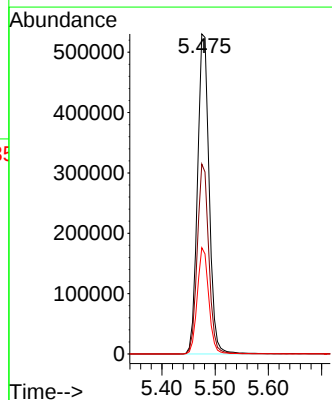
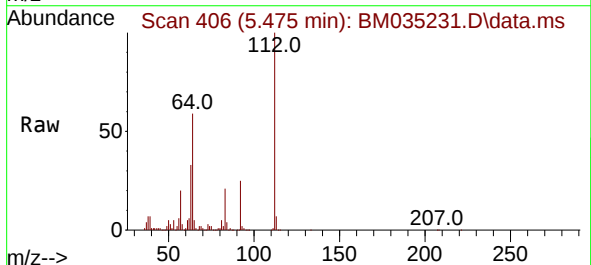
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

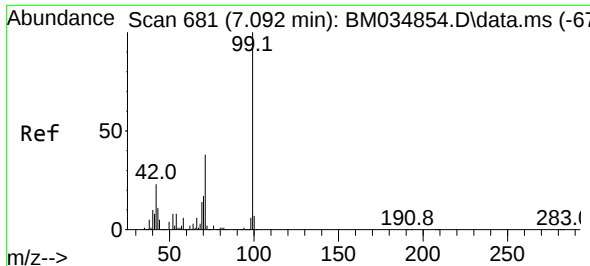
Tgt Ion:152 Resp: 132337
Ion Ratio Lower Upper
152 100
150 152.9 124.9 187.3
115 58.0 47.9 71.9



#5
2-Fluorophenol
Concen: 107.446 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:112 Resp: 805973
Ion Ratio Lower Upper
112 100
64 59.3 47.8 71.6
63 33.2 26.6 40.0

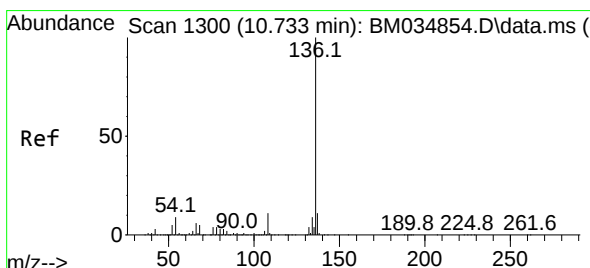
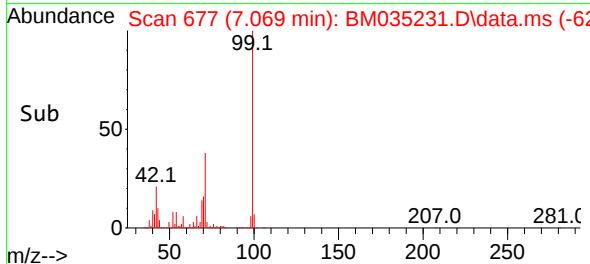
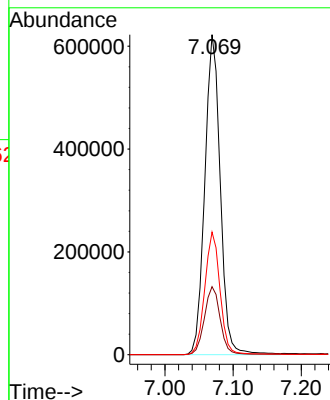
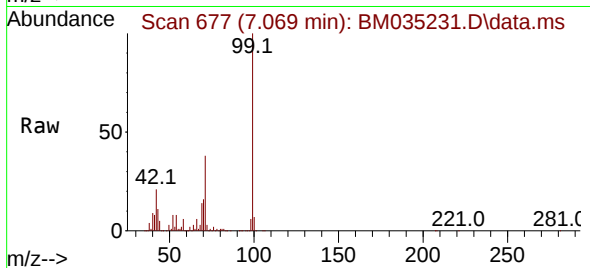




#7
Phenol-d6
Concen: 101.721 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

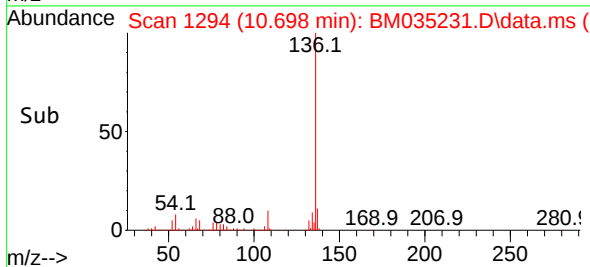
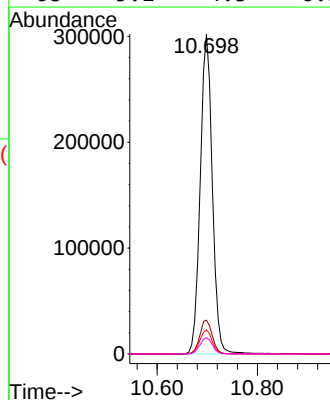
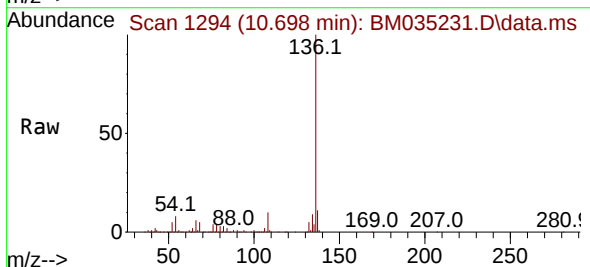
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

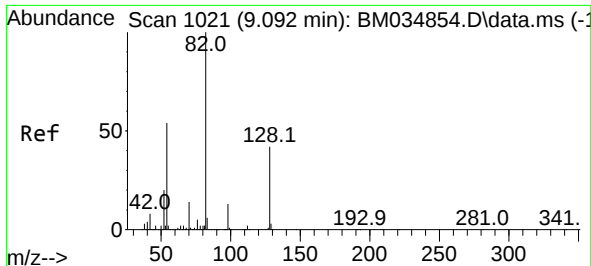
Tgt Ion: 99 Resp: 985025
Ion Ratio Lower Upper
99 100
42 21.3 18.8 28.2
71 38.3 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion: 136 Resp: 505280
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.6 7.0 10.4
68 5.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 70.760 ng

RT: 9.057 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

Instrument :

BNA_M

ClientSampleId :

SB-11(0.5-1)

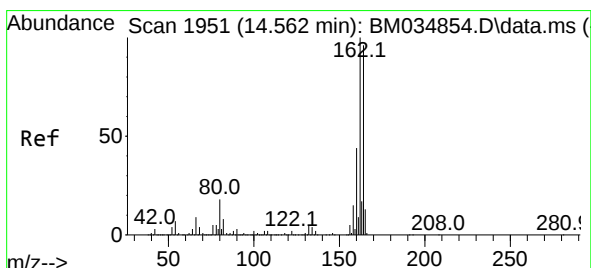
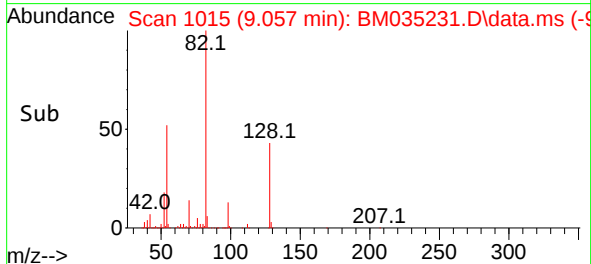
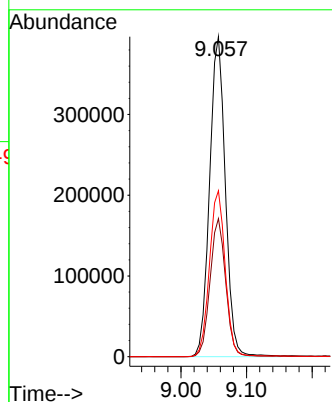
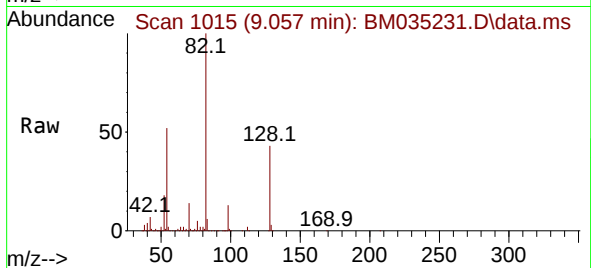
Tgt Ion: 82 Resp: 662087

Ion Ratio Lower Upper

82 100

128 43.1 33.7 50.5

54 51.8 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: BM035231.D

Acq: 24 May 2022 22:21

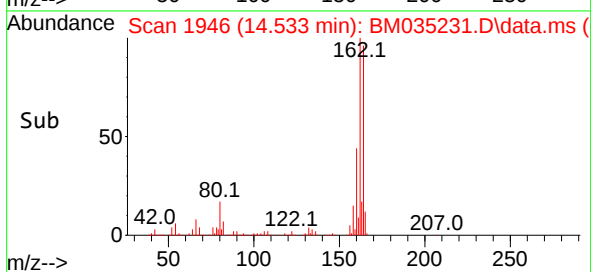
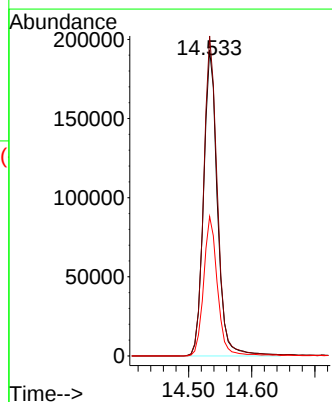
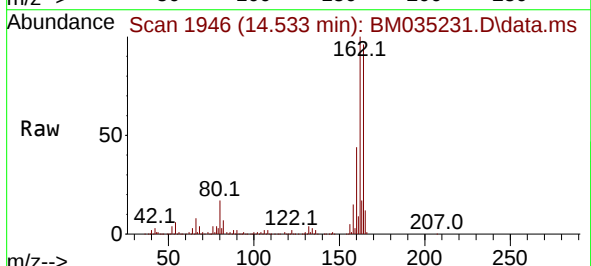
Tgt Ion:164 Resp: 295269

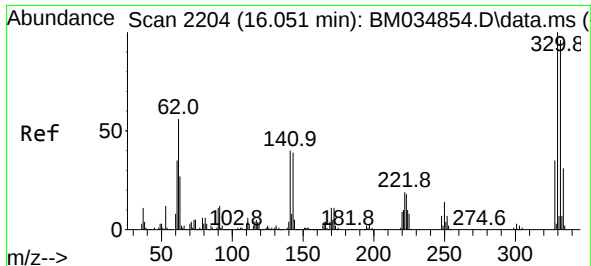
Ion Ratio Lower Upper

164 100

162 104.6 83.0 124.6

160 45.5 37.0 55.4

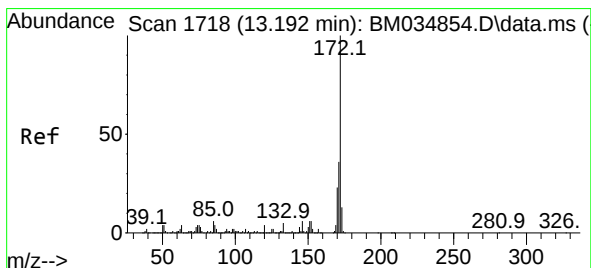
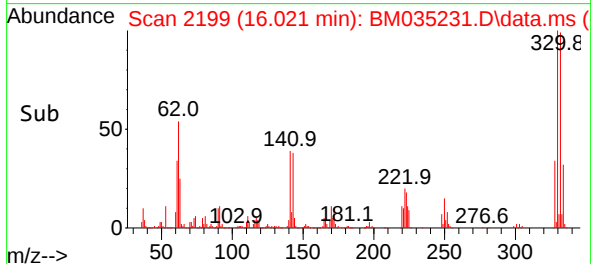
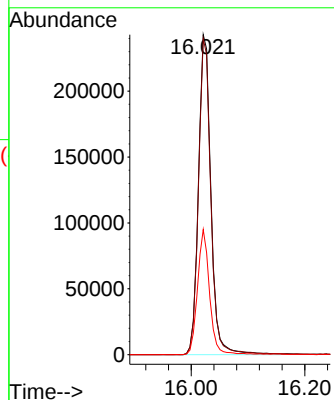
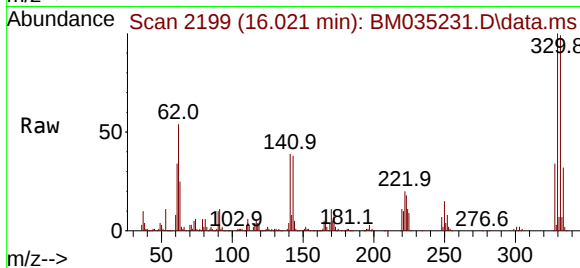




#42
2,4,6-Tribromophenol
Concen: 115.944 ng
RT: 16.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

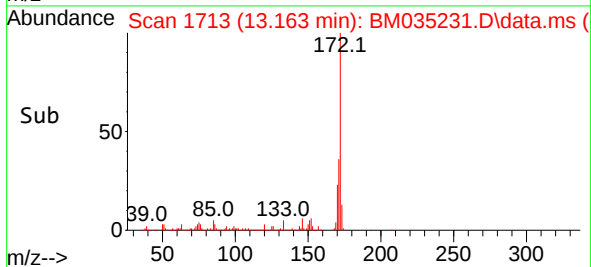
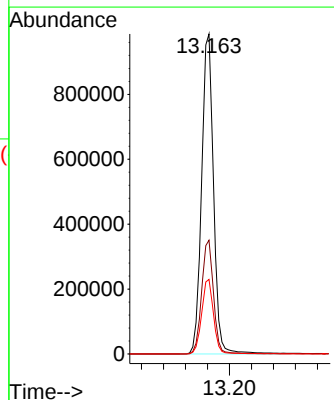
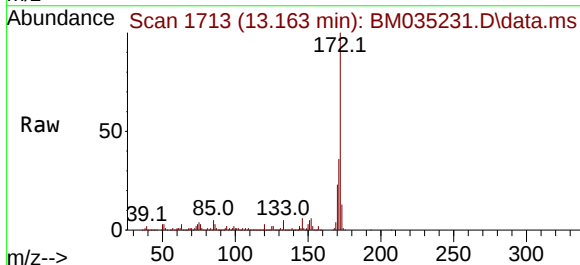
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

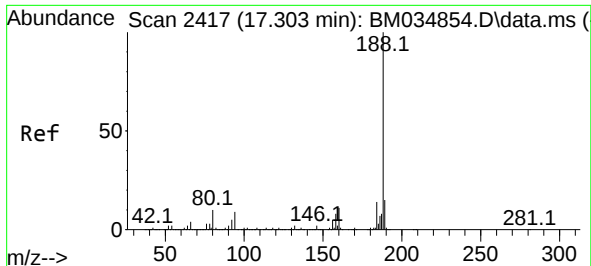
Tgt Ion:330 Resp: 372406
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.4
141 37.7 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 73.084 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:172 Resp: 1486529
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.3 18.7 28.1

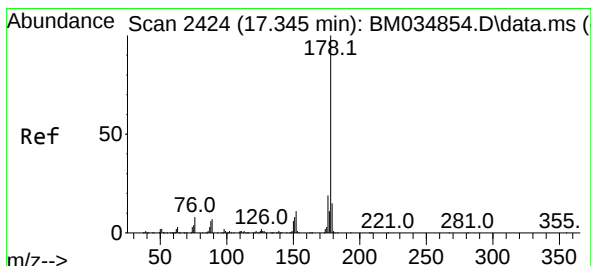
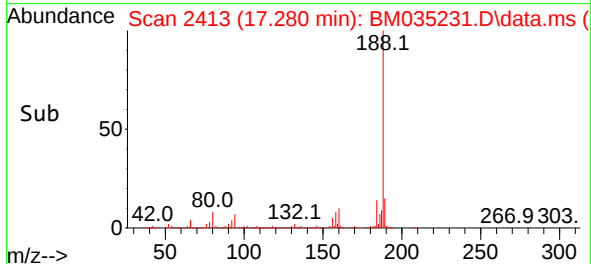
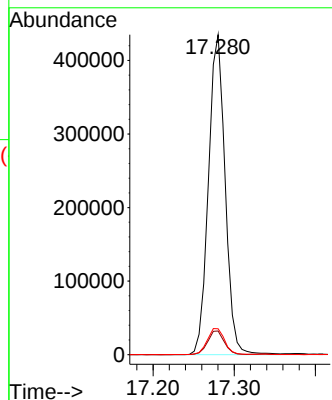
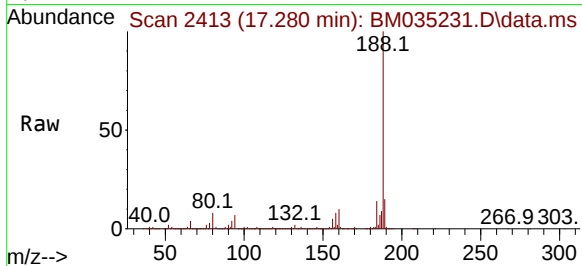




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

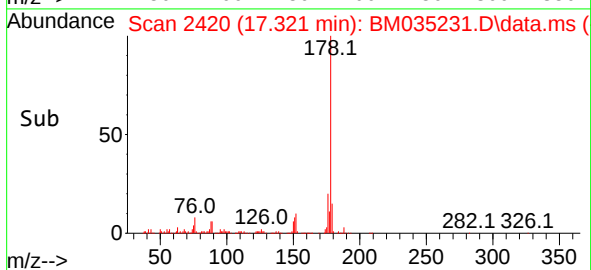
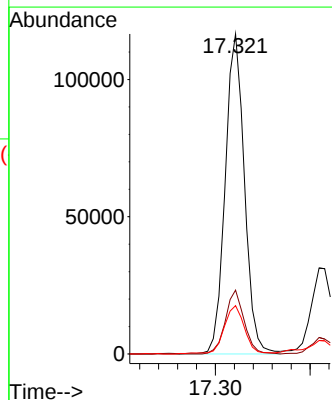
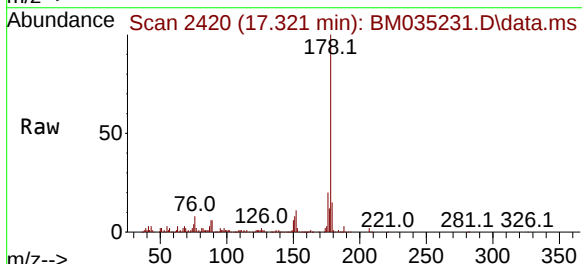
Instrument :
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SB-11(0.5-1)

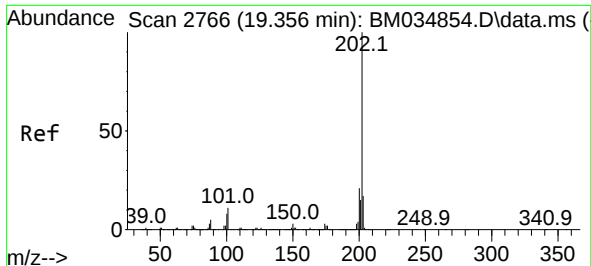
Tgt Ion:188 Resp: 621294
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.1 7.6 11.4



#71
Phenanthrene
Concen: 4.769 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:178 Resp: 165136
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.1 12.4 18.6

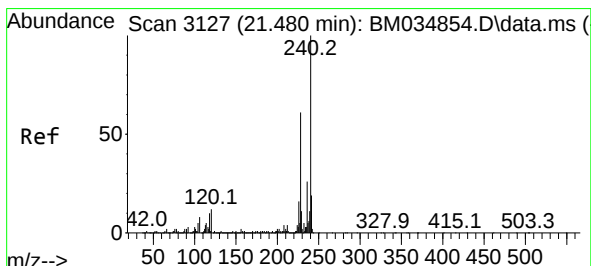
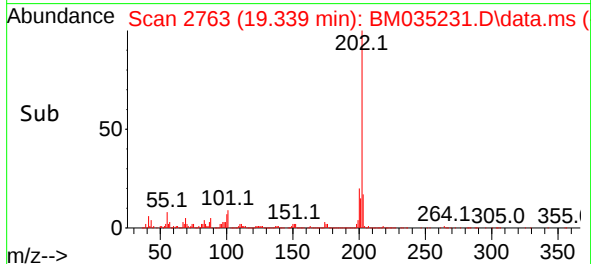
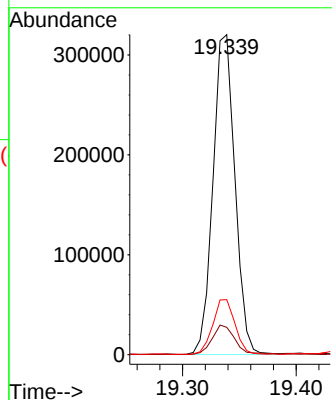
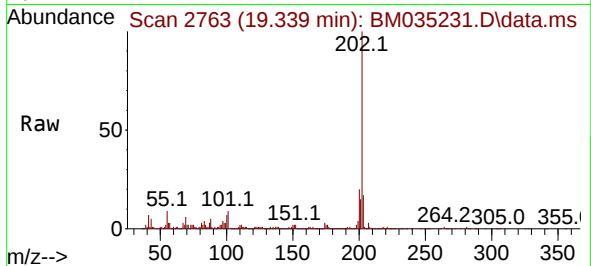




#75
Fluoranthene
Concen: 11.329 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

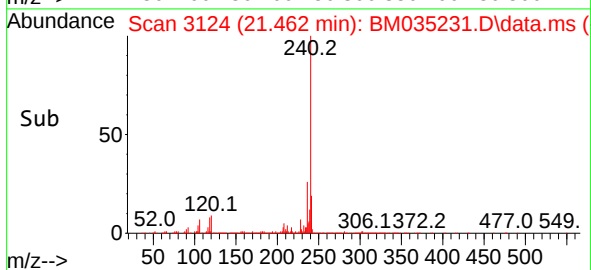
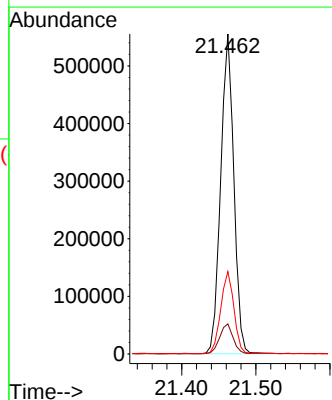
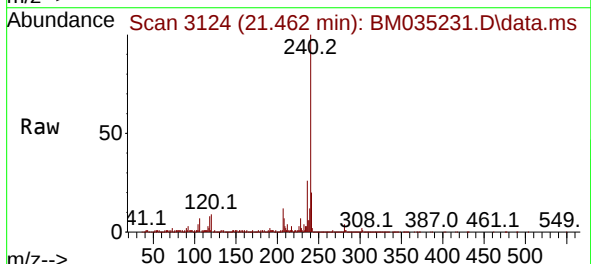
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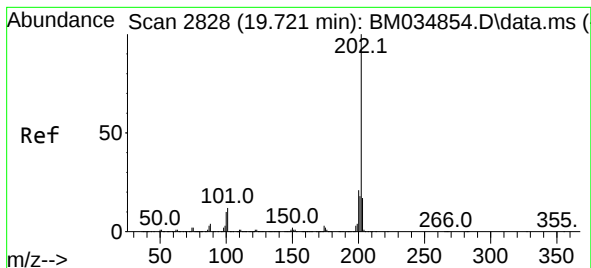
Tgt Ion:202 Resp: 430751
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.6
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:240 Resp: 683117
Ion Ratio Lower Upper
240 100
120 9.4 9.4 14.0
236 25.8 20.6 30.8





#78

Pyrene

Concen: 8.335 ng

RT: 19.698 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

Instrument :

BNA_M

ClientSampleId :

SB-11(0.5-1)

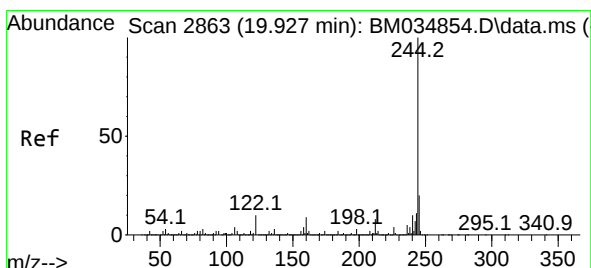
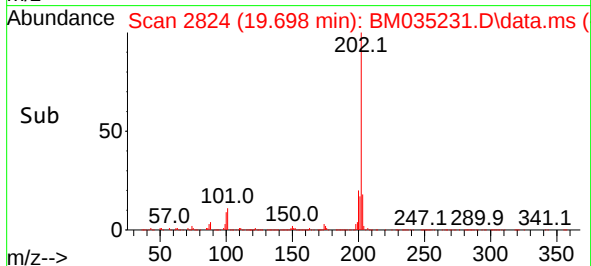
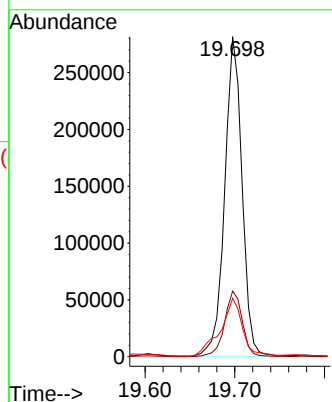
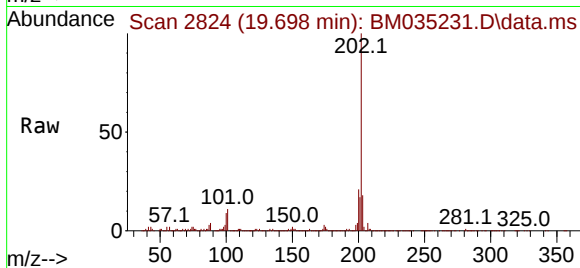
Tgt Ion:202 Resp: 376541

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 18.3 13.9 20.9



#79

Terphenyl-d14

Concen: 63.264 ng

RT: 19.903 min Scan# 2859

Delta R.T. -0.012 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

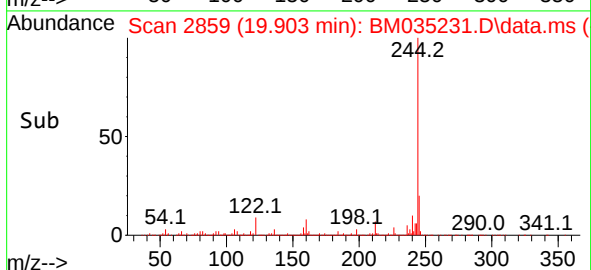
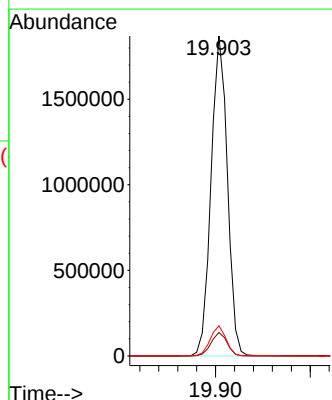
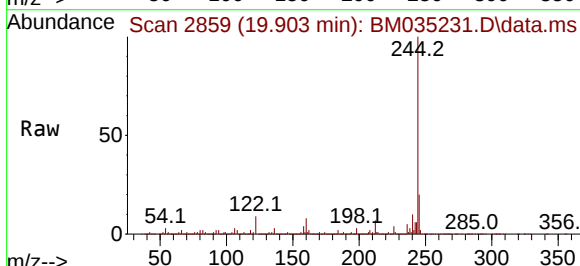
Tgt Ion:244 Resp: 2232021

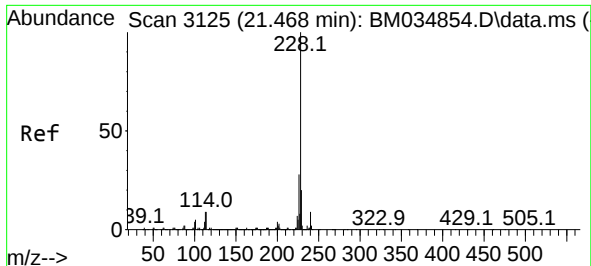
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.4 8.3 12.5

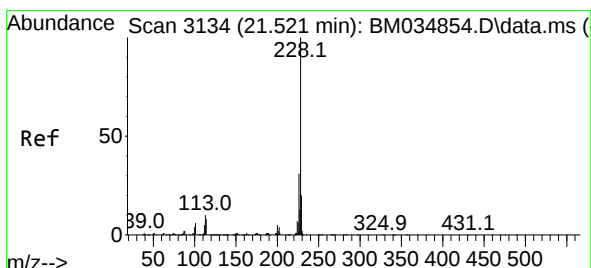
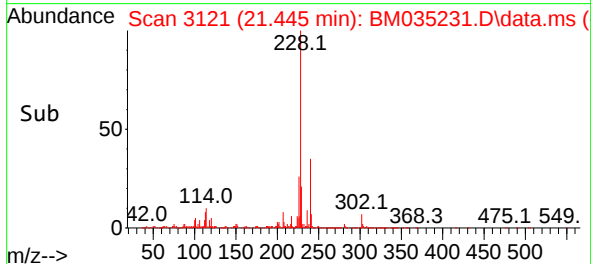
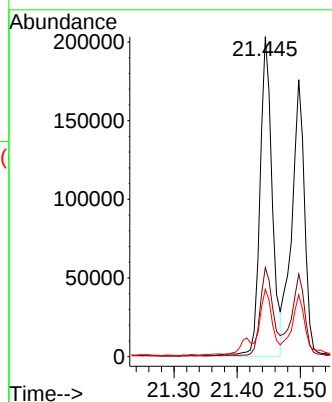
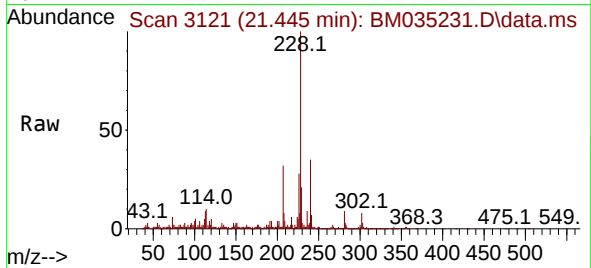




#81
Benzo(a)anthracene
Concen: 5.990 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

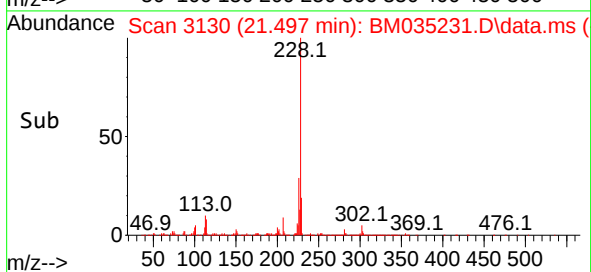
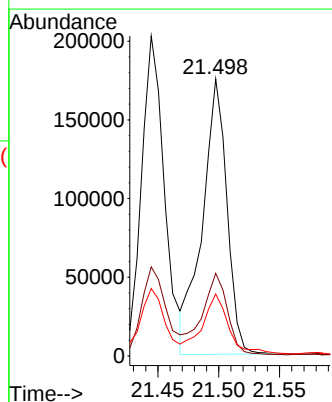
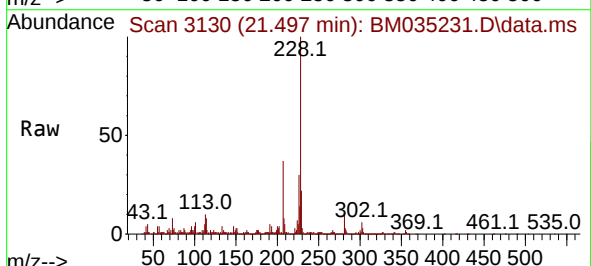
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

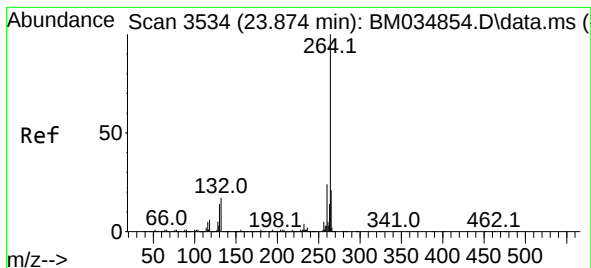
Tgt Ion:228 Resp: 273016
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 21.0 15.8 23.6



#83
Chrysene
Concen: 5.639 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:228 Resp: 245514
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 22.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

Instrument :

BNA_M

ClientSampleId :

SB-11(0.5-1)

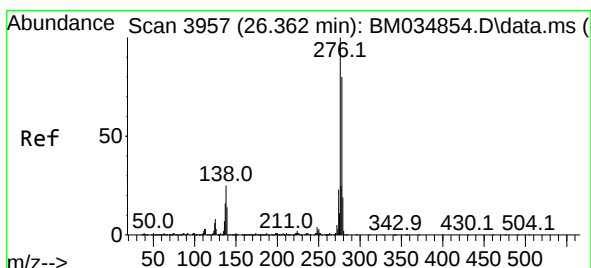
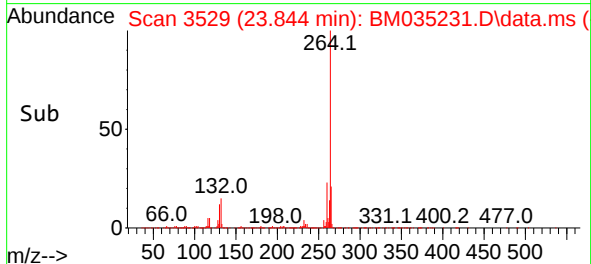
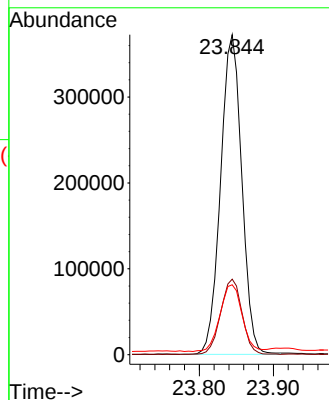
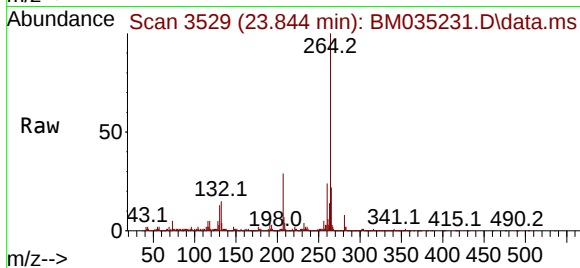
Tgt Ion:264 Resp: 738327

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.9 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.448 ng

RT: 26.309 min Scan# 3948

Delta R.T. -0.024 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

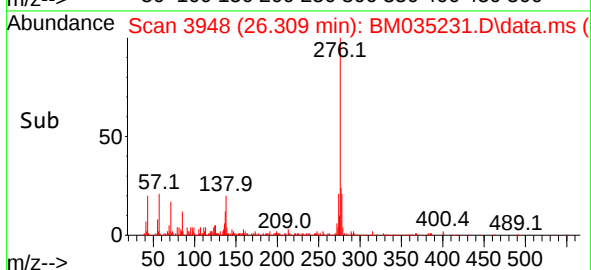
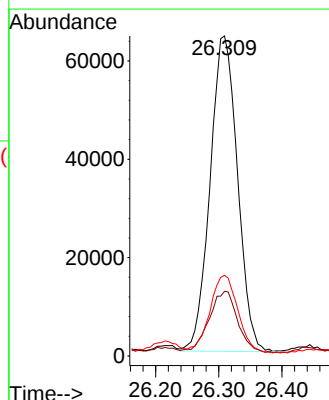
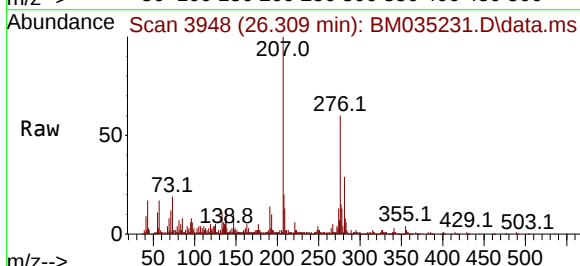
Tgt Ion:276 Resp: 193576

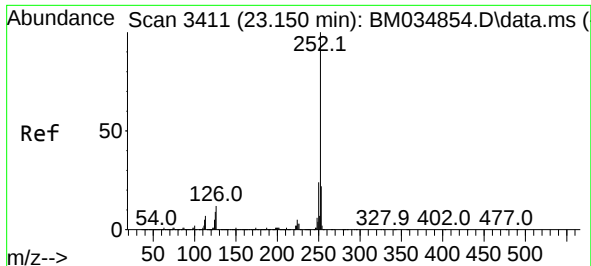
Ion Ratio Lower Upper

276 100

138 20.2 20.2 30.4#

277 25.2 20.2 30.2

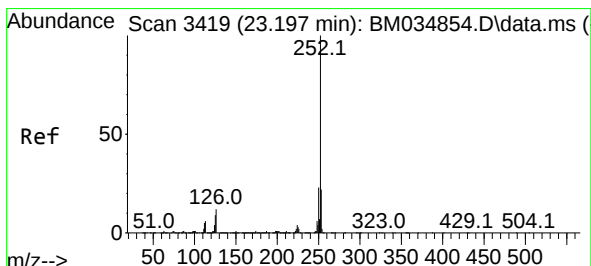
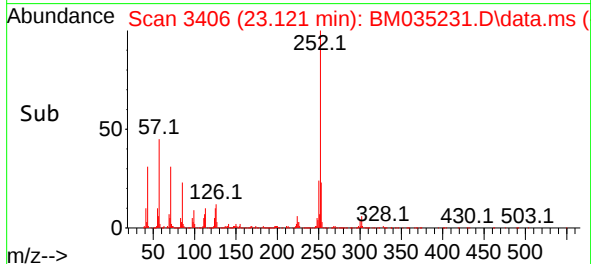
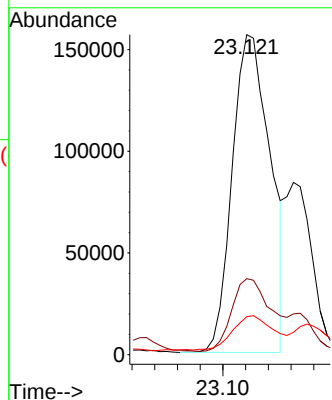
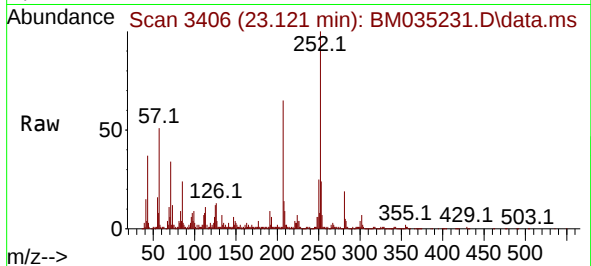




#88
Benzo(b)fluoranthene
Concen: 7.825 ng
RT: 23.121 min Scan# 3411
Delta R.T. -0.012 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

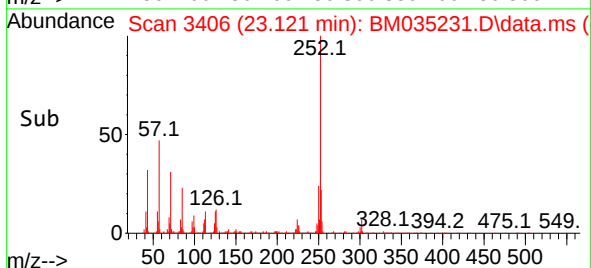
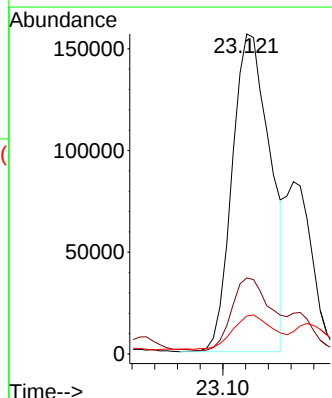
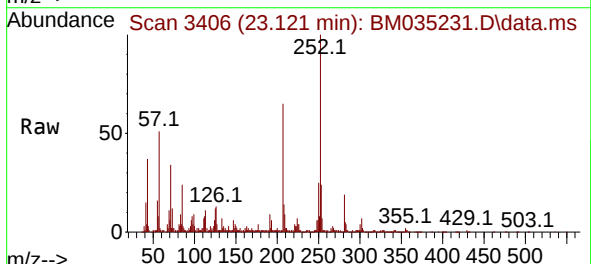
Instrument :
BNA_M
ClientSampleId :
SB-11(0.5-1)

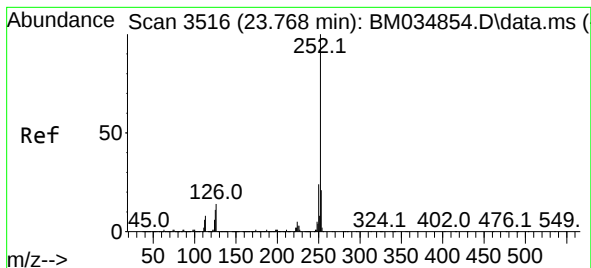
Tgt Ion:252 Resp: 363364
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 11.8 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 7.730 ng
RT: 23.121 min Scan# 3406
Delta R.T. -0.059 min
Lab File: BM035231.D
Acq: 24 May 2022 22:21

Tgt Ion:252 Resp: 363364
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.8 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 7.094 ng

RT: 23.739 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

Instrument :

BNA_M

ClientSampleId :

SB-11(0.5-1)

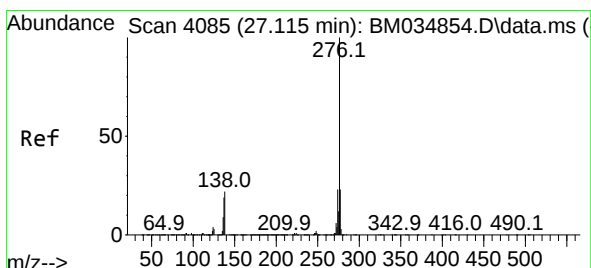
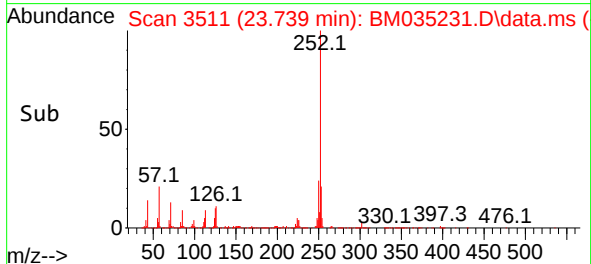
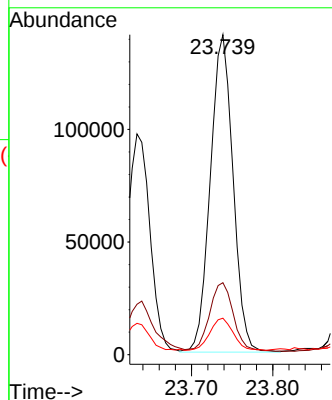
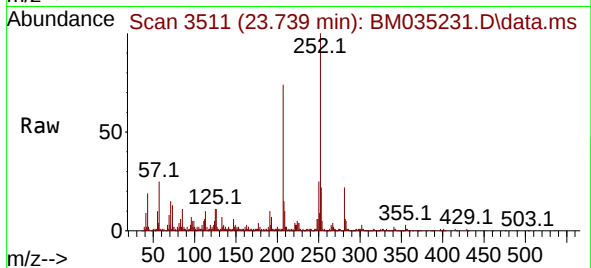
Tgt Ion:252 Resp: 273670

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 11.4 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 4.195 ng

RT: 27.074 min Scan# 4078

Delta R.T. -0.018 min

Lab File: BM035231.D

Acq: 24 May 2022 22:21

Tgt Ion:276 Resp: 189785

Ion Ratio Lower Upper

276 100

277 22.7 18.7 28.1

138 18.9 17.6 26.4

