

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035226.D
 Acq On : 24 May 2022 19:20
 Operator : CG/JU
 Sample : N2981-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-9(4.5-5)

Quant Time: May 25 05:44:20 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)

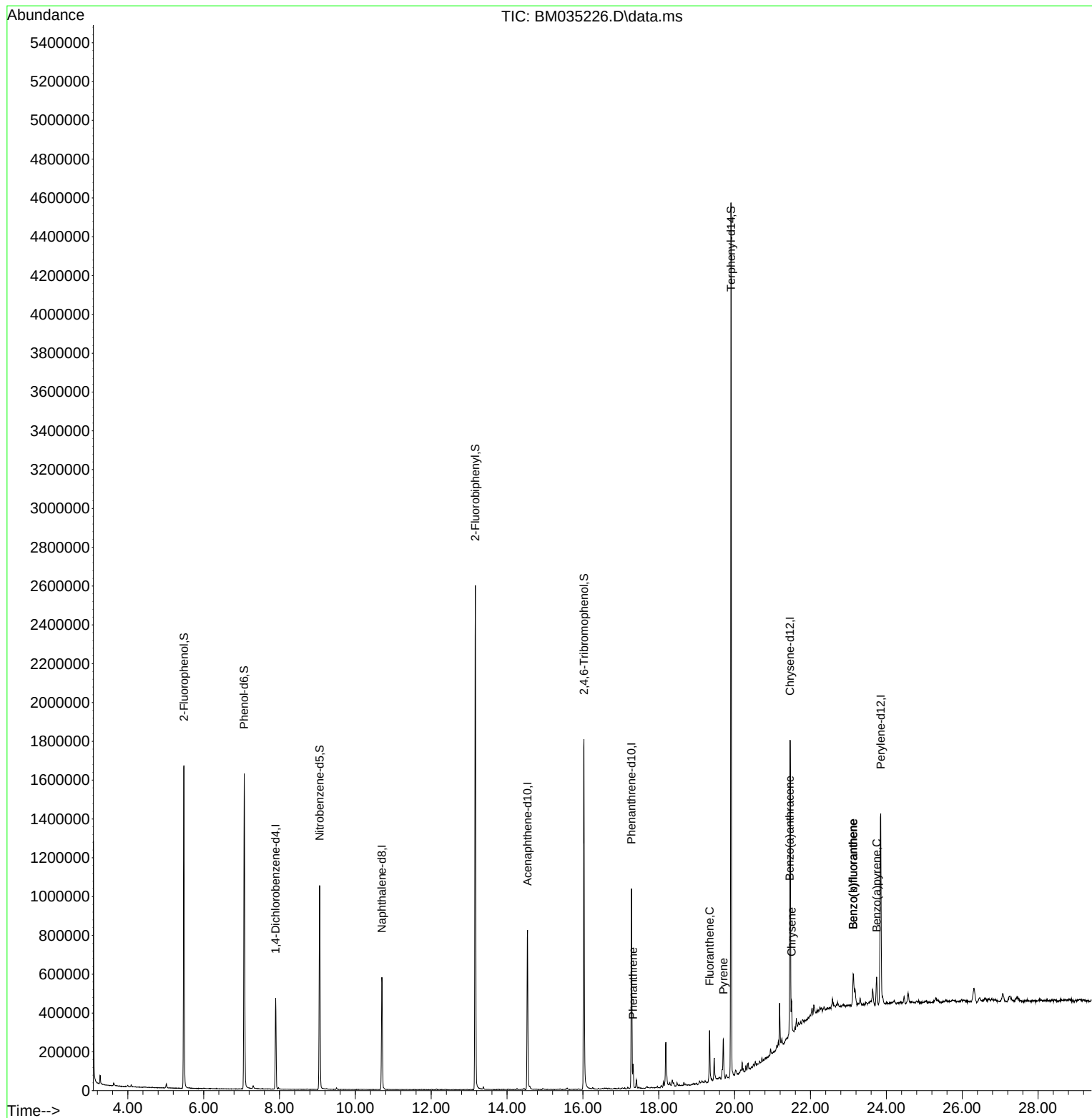
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	124715	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	485690	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	299818	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	628011	20.000	ng	0.00
76) Chrysene-d12	21.462	240	672896	20.000	ng	#-0.01
86) Perylene-d12	23.850	264	746005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	694885	98.299	ng	0.00
7) Phenol-d6	7.069	99	879675	96.394	ng	0.00
23) Nitrobenzene-d5	9.057	82	584513	64.989	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	351500	107.775	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	1349919	65.361	ng	0.00
79) Terphenyl-d14	19.903	244	2047446	58.914	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.321	178	70253	2.007	ng	99
75) Fluoranthene	19.339	202	145226	3.779	ng	98
78) Pyrene	19.703	202	127473	2.865	ng	99
81) Benzo(a)anthracene	21.450	228	110477	2.460	ng	99
83) Chrysene	21.503	228	89668	2.091	ng	97
88) Benzo(b)fluoranthene	23.127	252	168736	3.596	ng	# 93
89) Benzo(k)fluoranthene	23.127	252	168736	3.553	ng	# 92
90) Benzo(a)pyrene	23.744	252	93647	2.402	ng	98

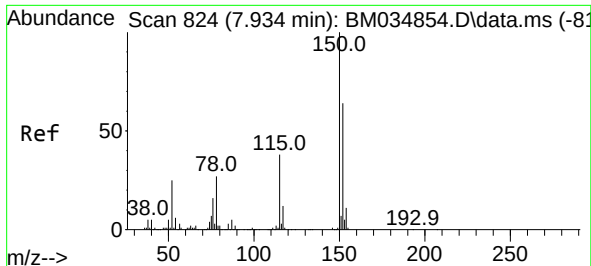
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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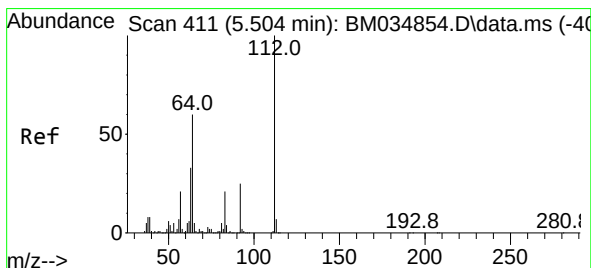
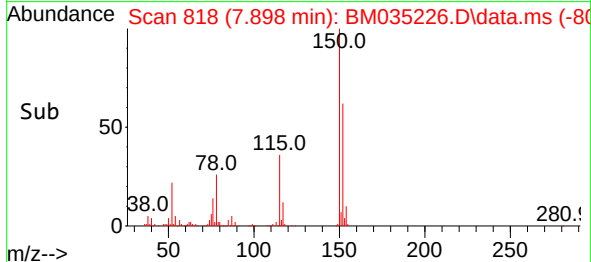
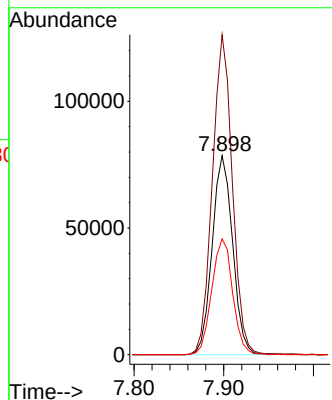
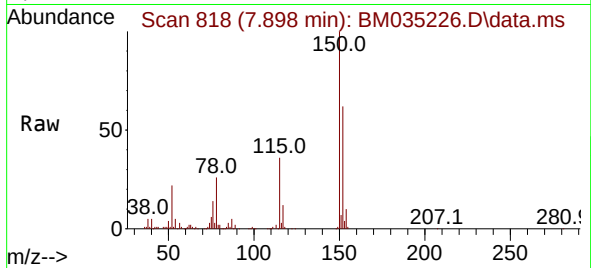




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

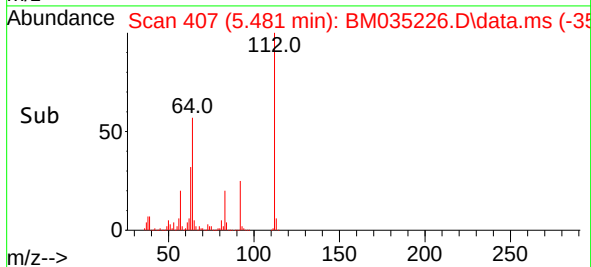
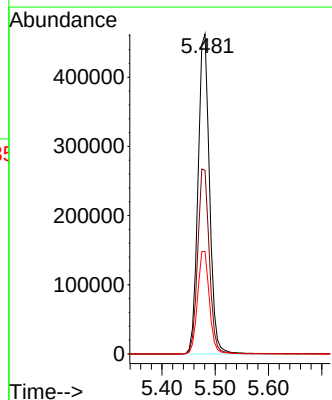
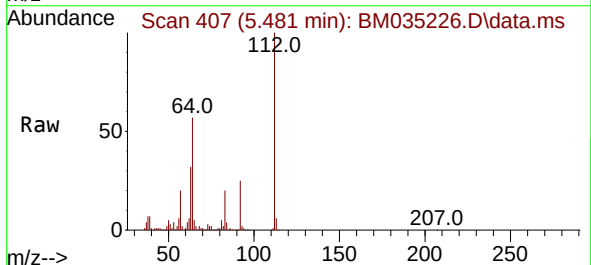
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

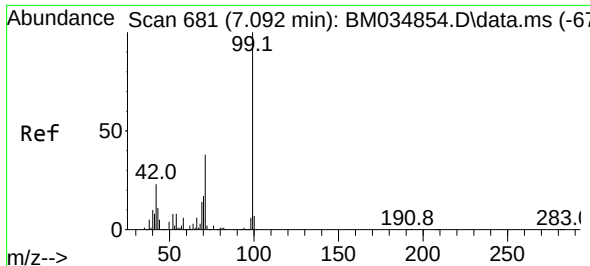
Tgt Ion:152 Resp: 124715
Ion Ratio Lower Upper
152 100
150 160.7 124.9 187.3
115 58.2 47.9 71.9



#5
2-Fluorophenol
Concen: 98.299 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:112 Resp: 694885
Ion Ratio Lower Upper
112 100
64 57.4 47.8 71.6
63 32.0 26.6 40.0

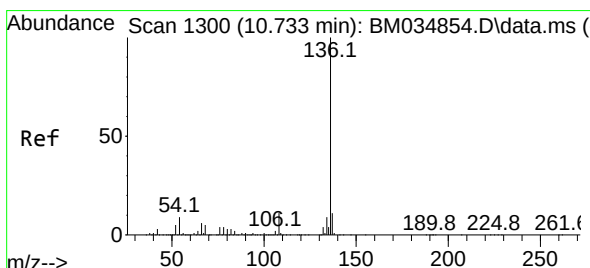
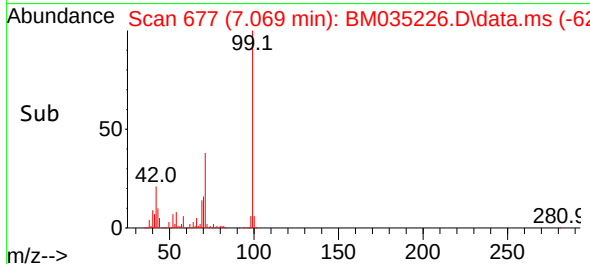
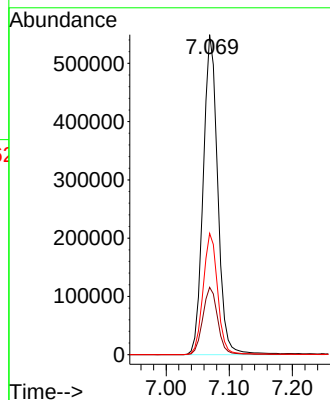
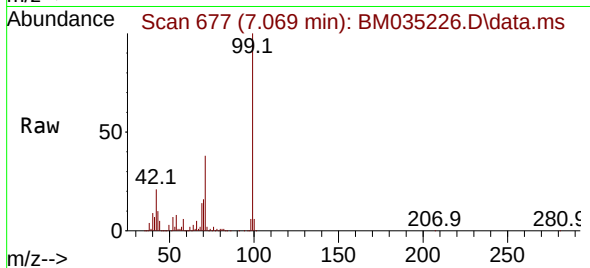




#7
Phenol-d6
Concen: 96.394 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

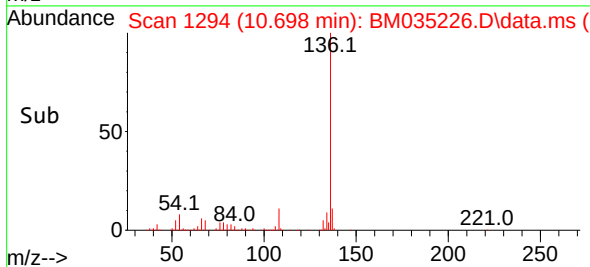
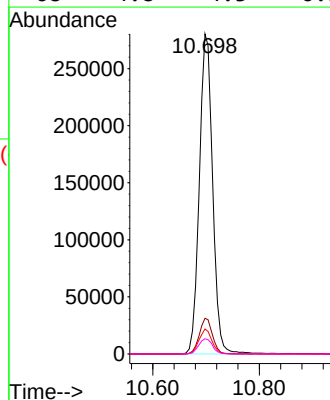
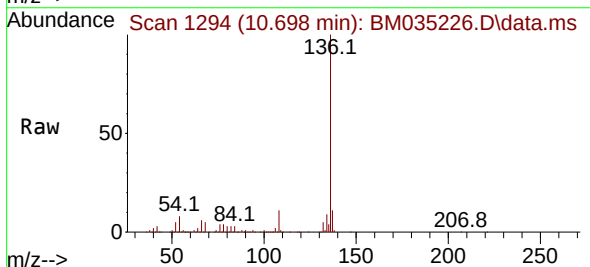
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

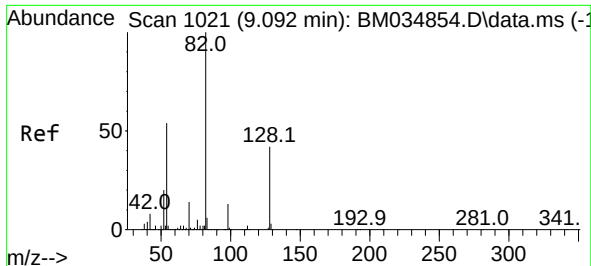
Tgt Ion: 99 Resp: 879675
Ion Ratio Lower Upper
99 100
42 21.1 18.8 28.2
71 37.9 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion: 136 Resp: 485690
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 7.0 10.4
68 4.8 4.3 6.5

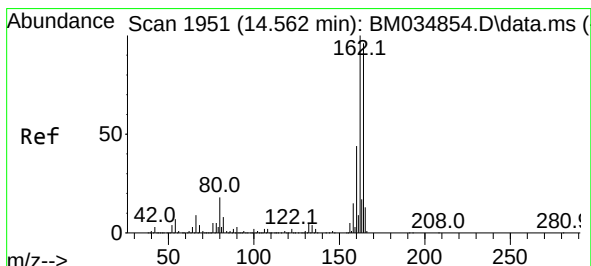
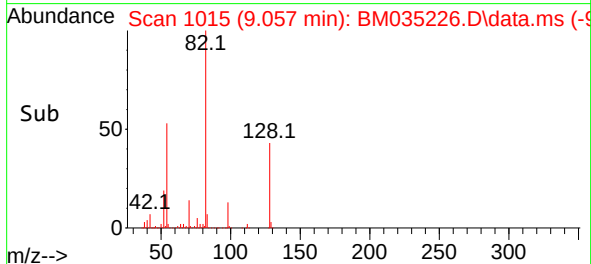
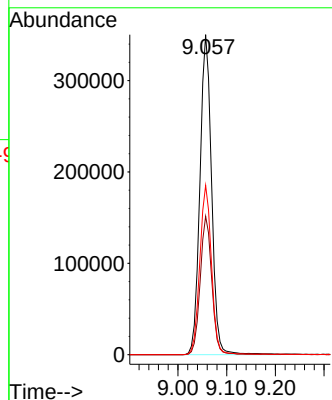
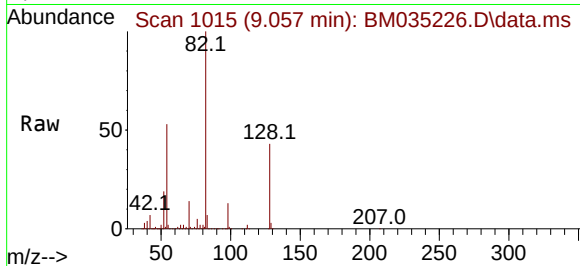




#23
Nitrobenzene-d5
Concen: 64.989 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

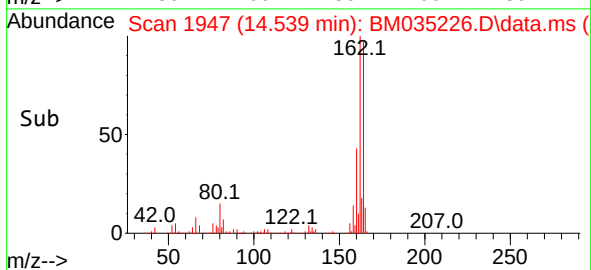
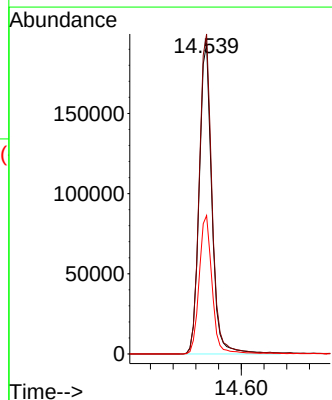
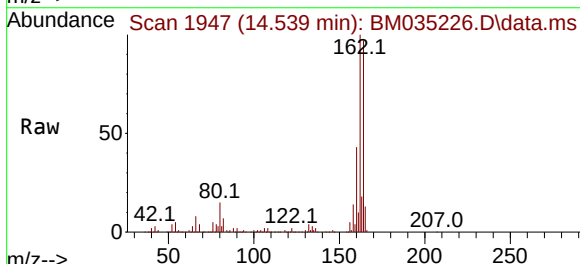
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

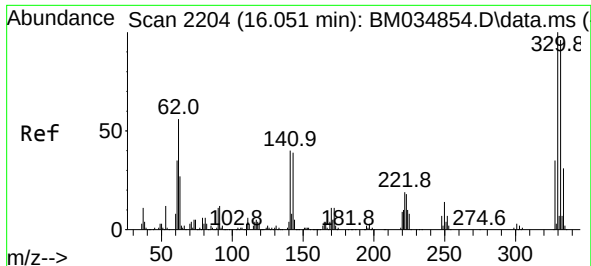
Tgt Ion: 82 Resp: 584513
Ion Ratio Lower Upper
82 100
128 43.2 33.7 50.5
54 52.9 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion: 164 Resp: 299818
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.6
160 44.6 37.0 55.4

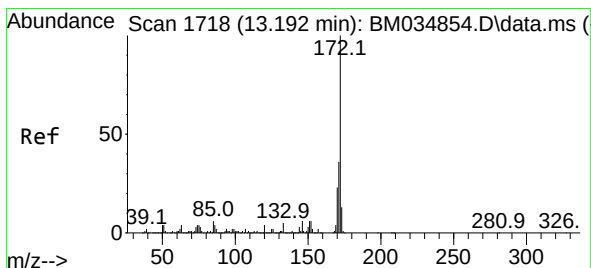
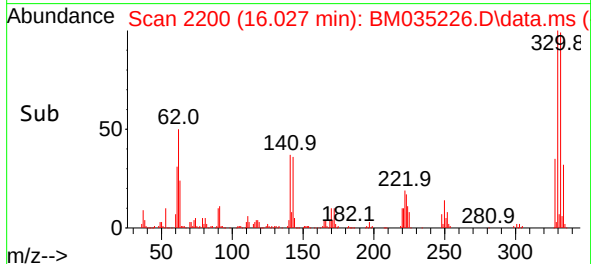
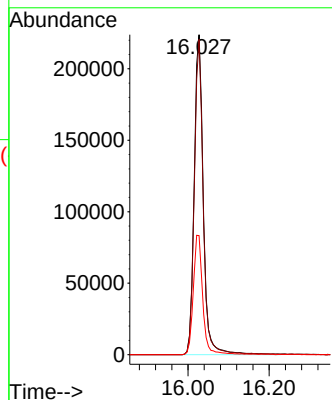
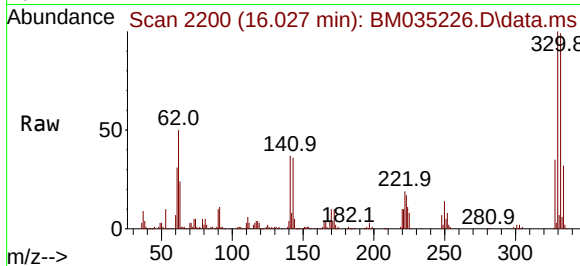




#42
2,4,6-Tribromophenol
Concen: 107.775 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

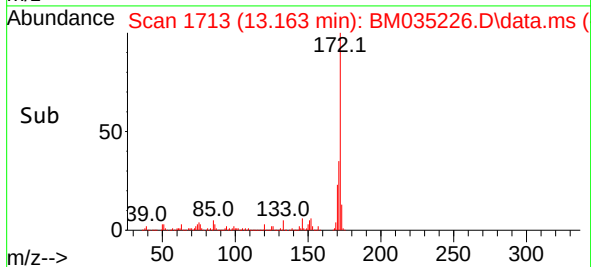
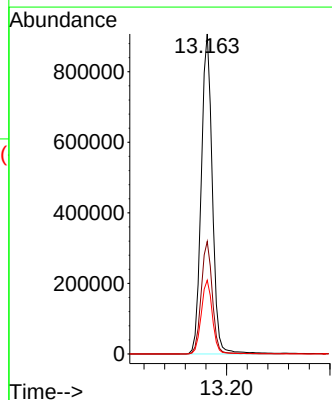
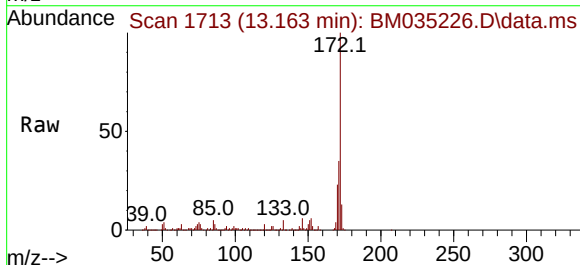
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

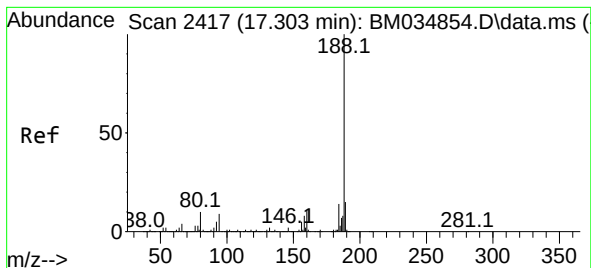
Tgt Ion:330 Resp: 351500
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 38.5 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 65.361 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:172 Resp: 1349919
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.0 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.280 min Scan# 2413

Delta R.T. -0.006 min

Lab File: BM035226.D

Acq: 24 May 2022 19:20

Instrument :

BNA_M

ClientSampleId :

SB-9(4.5-5)

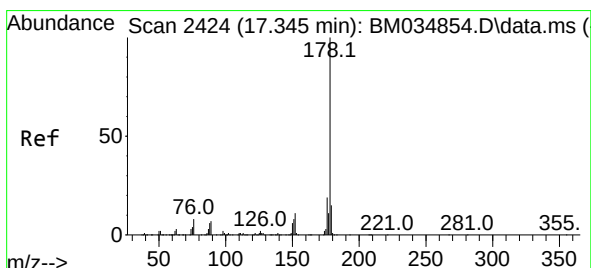
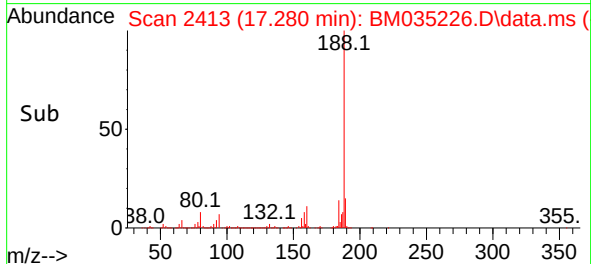
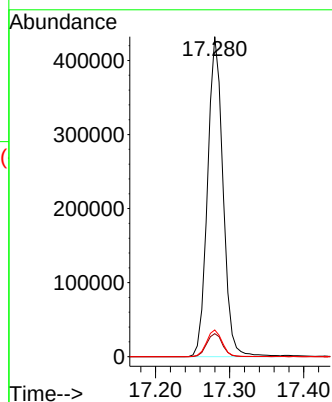
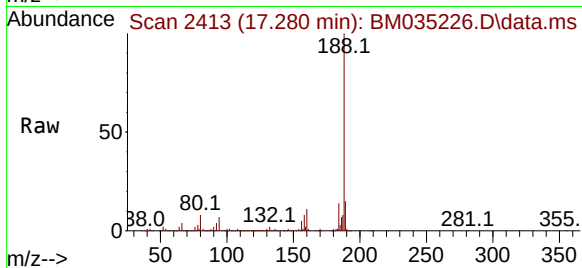
Tgt Ion:188 Resp: 628011

Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.4

80 8.4 7.6 11.4



#71

Phenanthrene

Concen: 2.007 ng

RT: 17.321 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BM035226.D

Acq: 24 May 2022 19:20

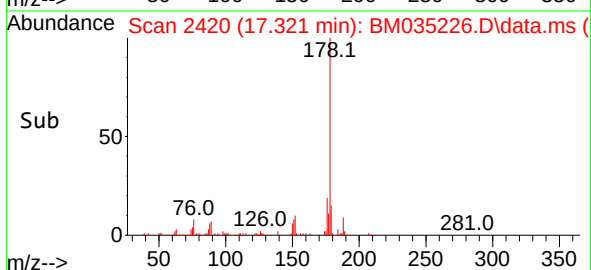
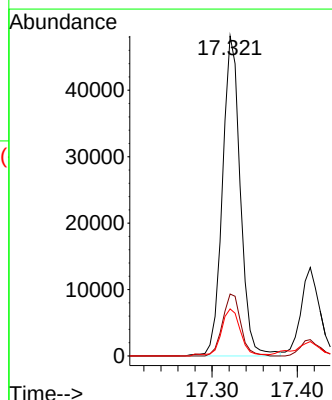
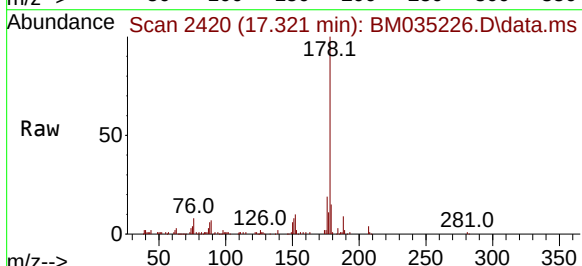
Tgt Ion:178 Resp: 70253

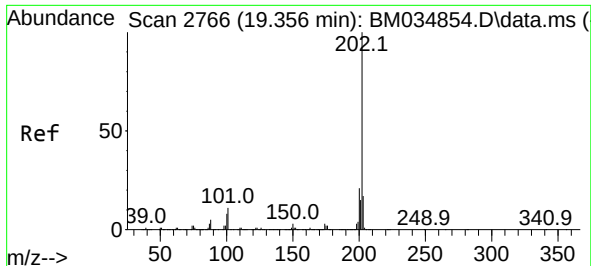
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 14.7 12.4 18.6

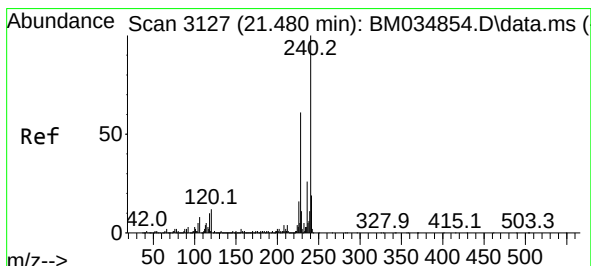
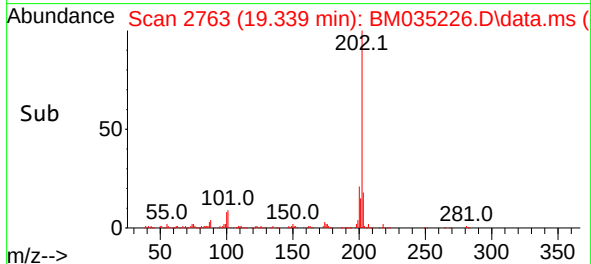
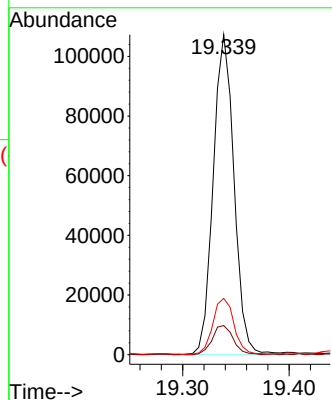
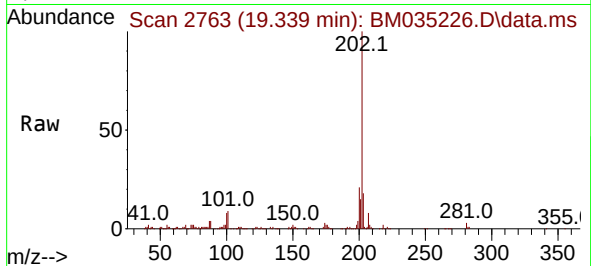




#75
Fluoranthene
Concen: 3.779 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

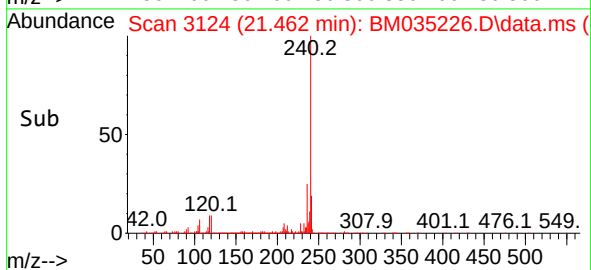
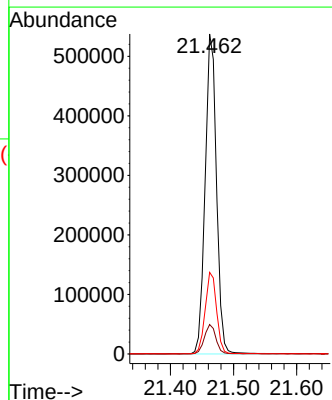
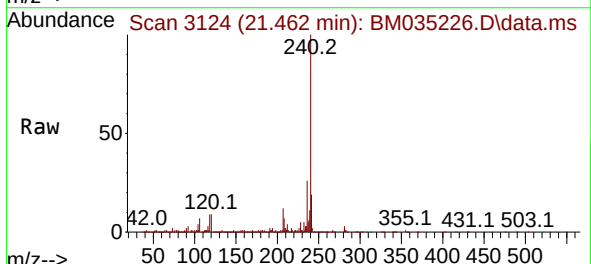
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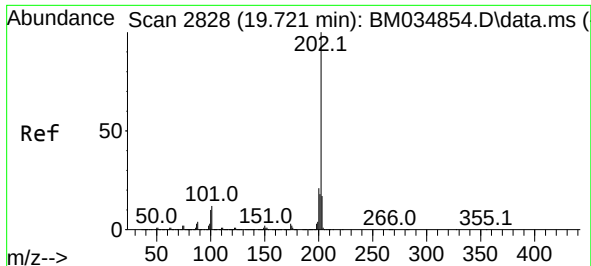
Tgt Ion:202 Resp: 145226
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:240 Resp: 672896
Ion Ratio Lower Upper
240 100
120 9.2 9.4 14.0#
236 25.5 20.6 30.8

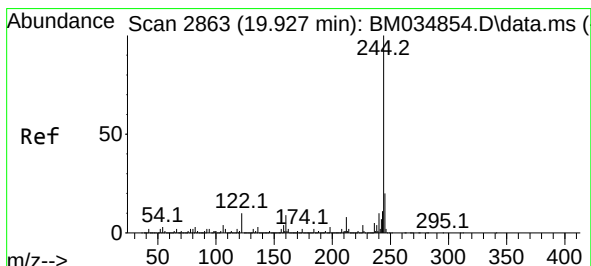
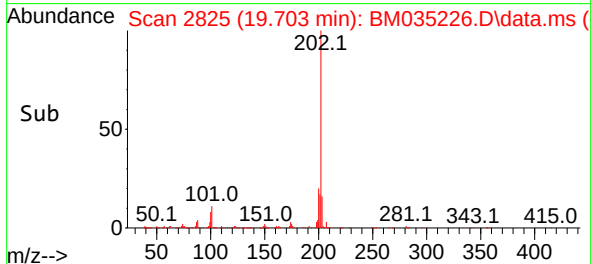
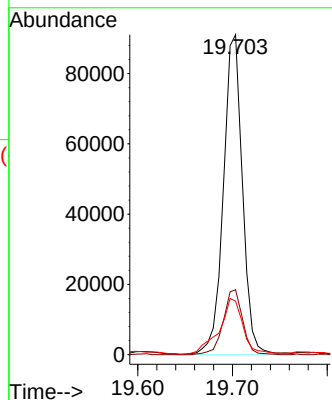
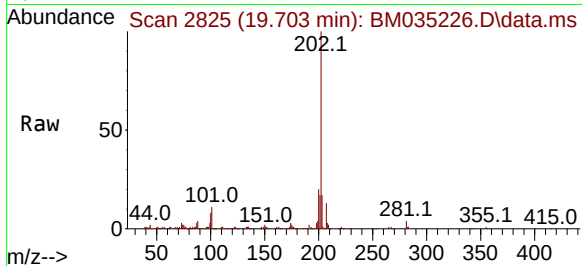




#78
Pyrene
Concen: 2.865 ng
RT: 19.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

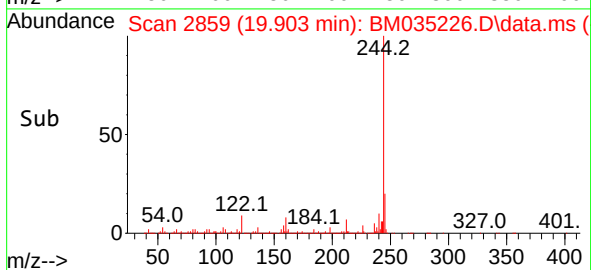
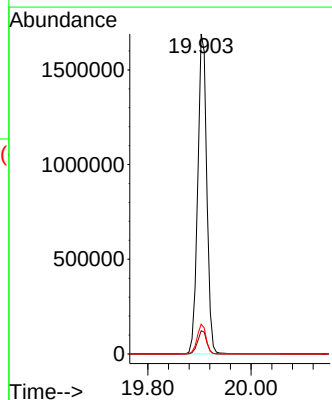
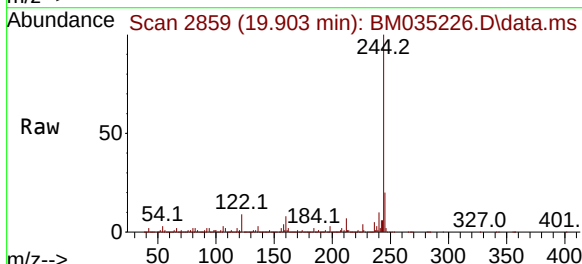
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SB-9(4.5-5)

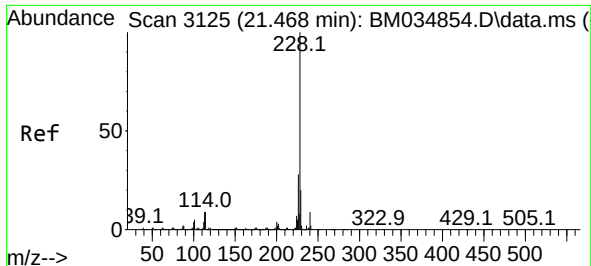
Tgt Ion:202 Resp: 127473
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 16.8 13.9 20.9



#79
Terphenyl-d14
Concen: 58.914 ng
RT: 19.903 min Scan# 2859
Delta R.T. -0.012 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:244 Resp: 2047446
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.3 8.3 12.5

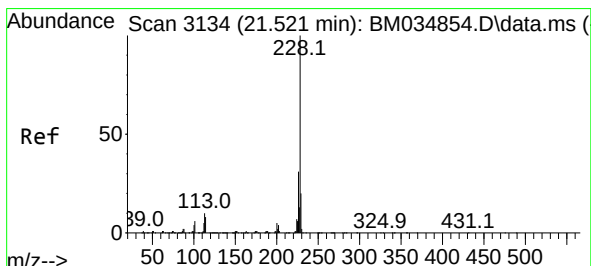
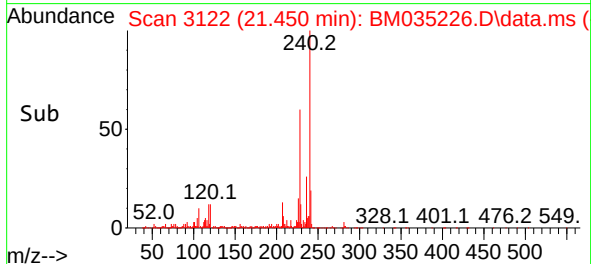
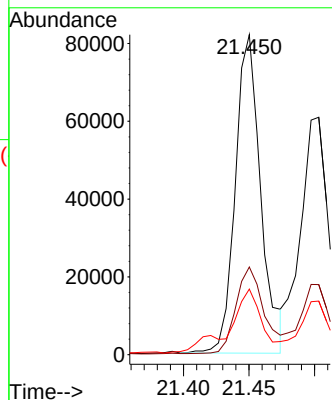
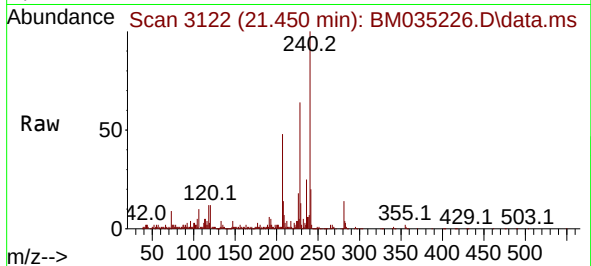




#81
Benzo(a)anthracene
Concen: 2.460 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

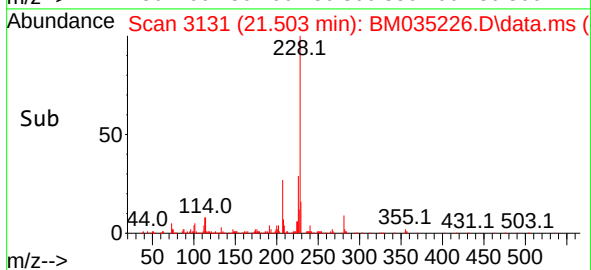
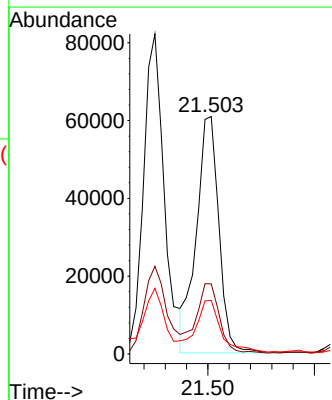
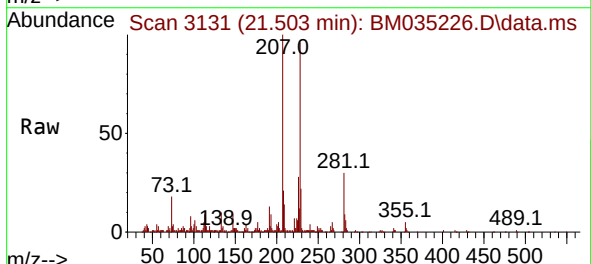
Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

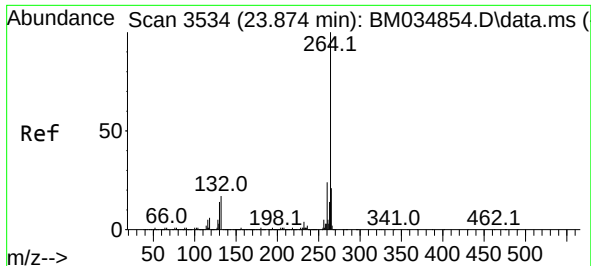
Tgt Ion:228 Resp: 110477
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.5 15.8 23.6



#83
Chrysene
Concen: 2.091 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:228 Resp: 89668
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 22.6 15.8 23.8

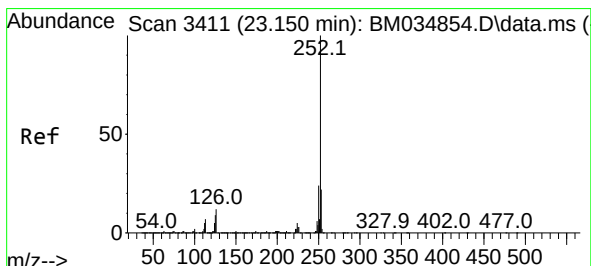
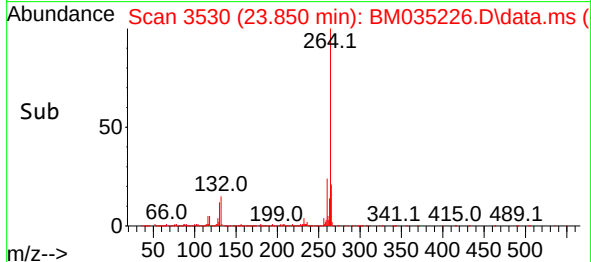
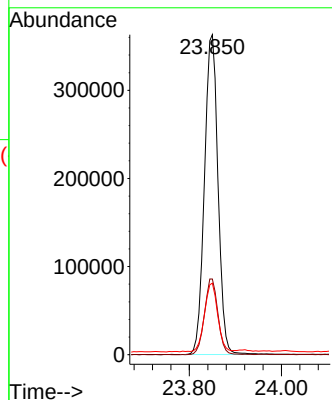
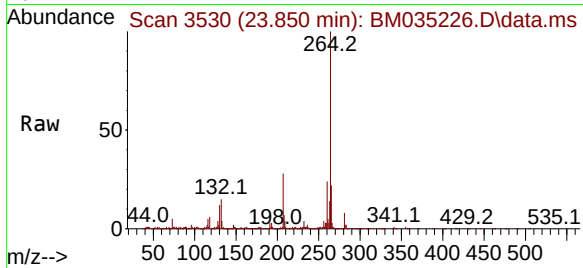




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.850 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM035226.D
 Acq: 24 May 2022 19:20

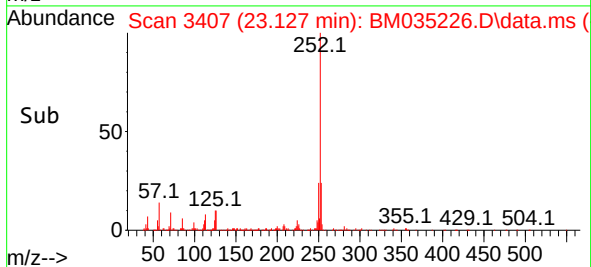
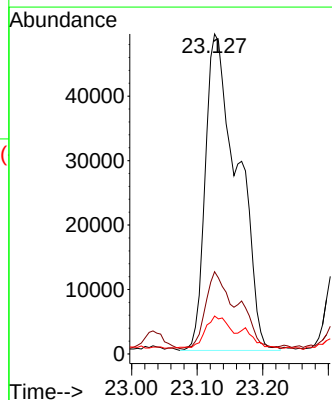
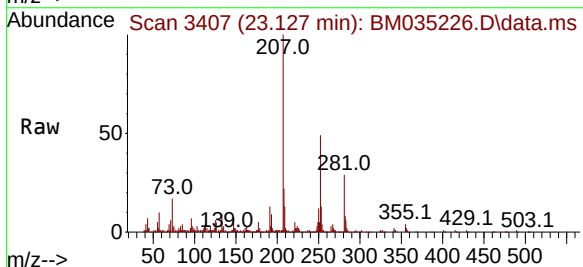
Instrument :
 BNA_M
 ClientSampleId :
 SB-9(4.5-5)

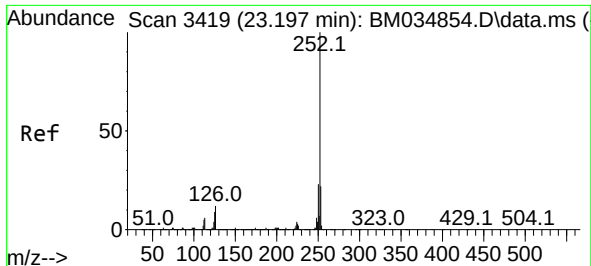
Tgt Ion:264 Resp: 746005
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 22.3 17.5 26.3



#88
 Benzo(b)fluoranthene
 Concen: 3.596 ng
 RT: 23.127 min Scan# 3407
 Delta R.T. -0.006 min
 Lab File: BM035226.D
 Acq: 24 May 2022 19:20

Tgt Ion:252 Resp: 168736
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.6 26.4
 125 11.9 7.6 11.4#

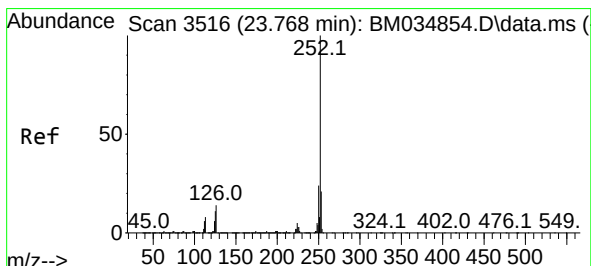
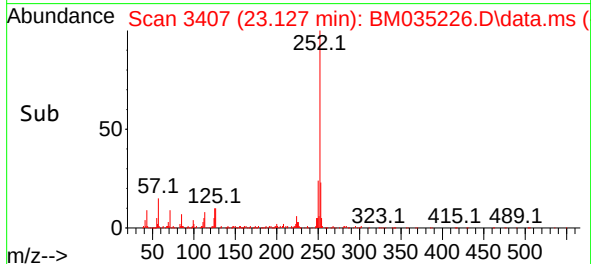
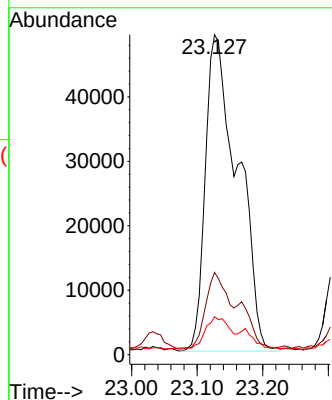
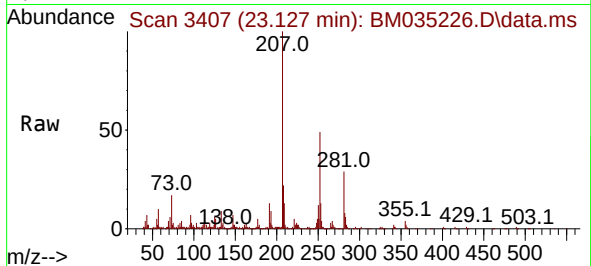




#89
Benzo(k)fluoranthene
Concen: 3.553 ng
RT: 23.127 min Scan# 3419
Delta R.T. -0.053 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Instrument :
BNA_M
ClientSampleId :
SB-9(4.5-5)

Tgt Ion:252 Resp: 168736
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 11.9 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 2.402 ng
RT: 23.744 min Scan# 3512
Delta R.T. -0.006 min
Lab File: BM035226.D
Acq: 24 May 2022 19:20

Tgt Ion:252 Resp: 93647
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 10.7 8.7 13.1

