

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052422\
 Data File : BM035228.D
 Acq On : 24 May 2022 20:33
 Operator : CG/JU
 Sample : N2981-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-8(0.5-1)

Quant Time: May 25 05:44:33 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)

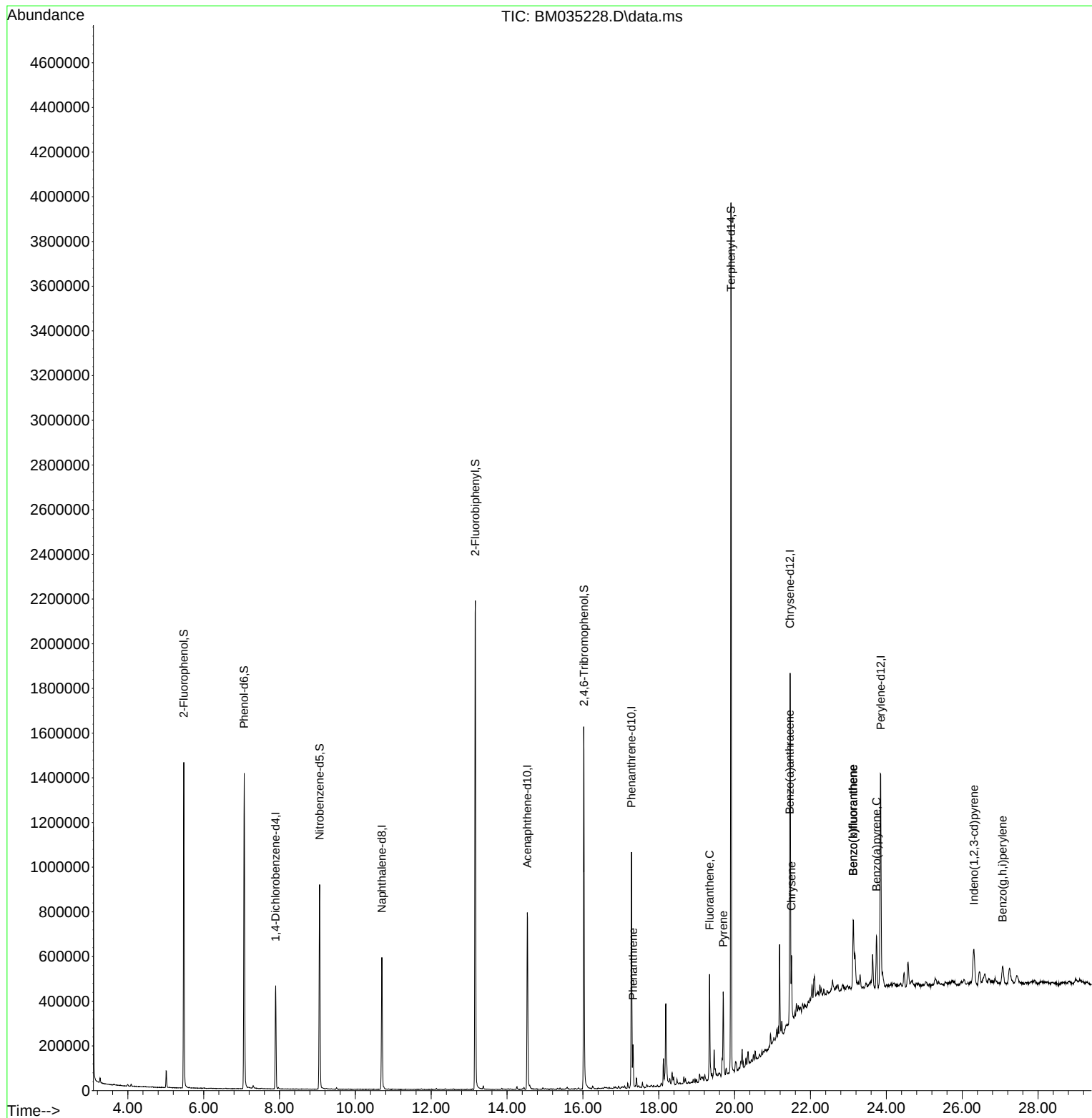
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	124064	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	484025	20.000	ng	-0.01
39) Acenaphthene-d10	14.533	164	298693	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	630559	20.000	ng	0.00
76) Chrysene-d12	21.462	240	670353	20.000	ng	#-0.01
86) Perylene-d12	23.850	264	728766	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	590532	83.975	ng	0.00
7) Phenol-d6	7.069	99	755981	83.274	ng	0.00
23) Nitrobenzene-d5	9.057	82	513461	57.286	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	311615	95.906	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	1185068	57.595	ng	0.00
79) Terphenyl-d14	19.904	244	1810457	52.292	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.321	178	110859	3.155	ng	99
75) Fluoranthene	19.339	202	252417	6.541	ng	98
78) Pyrene	19.698	202	227736	5.137	ng	99
81) Benzo(a)anthracene	21.451	228	183444	4.101	ng	98
83) Chrysene	21.498	228	159858	3.742	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	111500	2.012	ng	95
88) Benzo(b)fluoranthene	23.127	252	308832	6.738	ng	97
89) Benzo(k)fluoranthene	23.127	252	308832	6.656	ng	97
90) Benzo(a)pyrene	23.739	252	162742	4.274	ng	96
92) Benzo(g,h,i)perylene	27.068	276	100364	2.247	ng	96

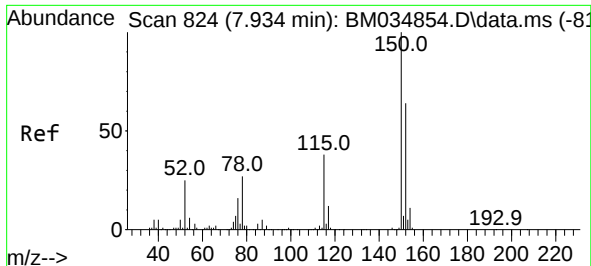
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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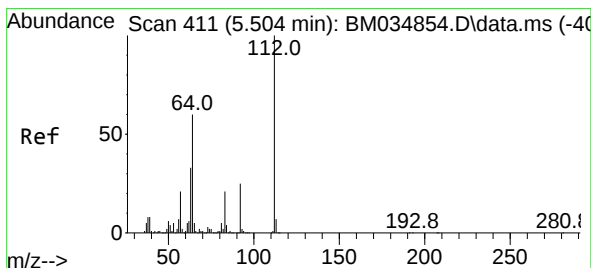
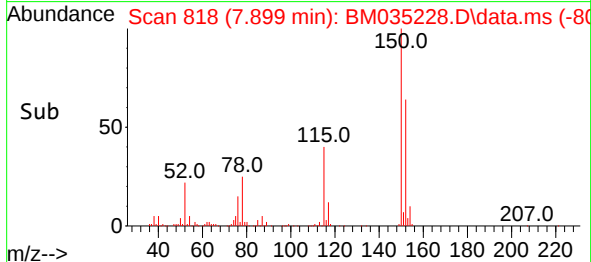
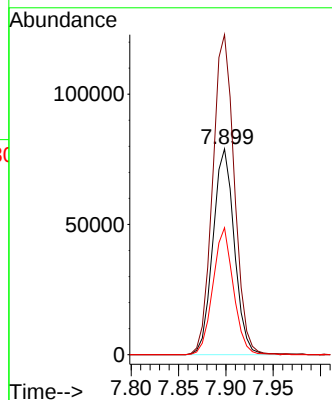
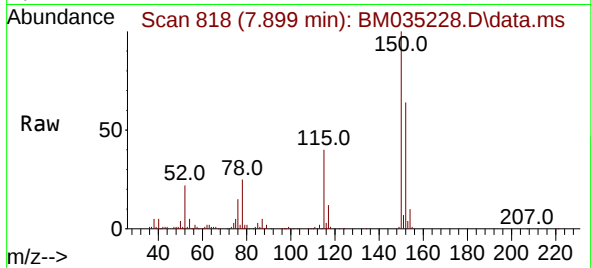




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

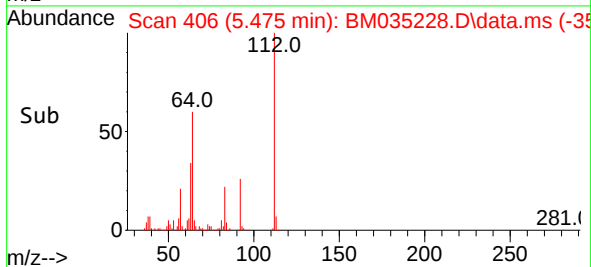
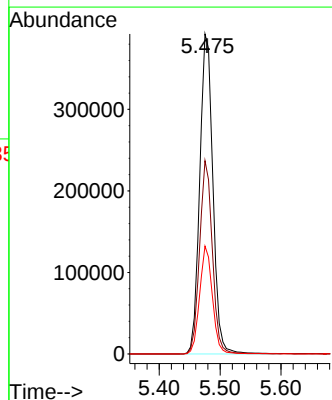
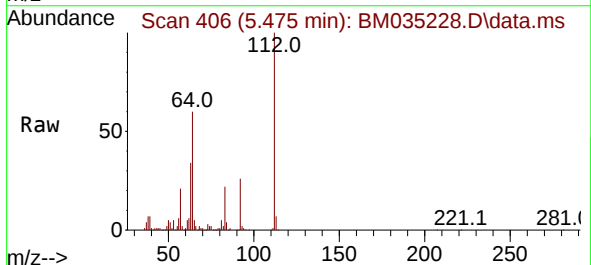
Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

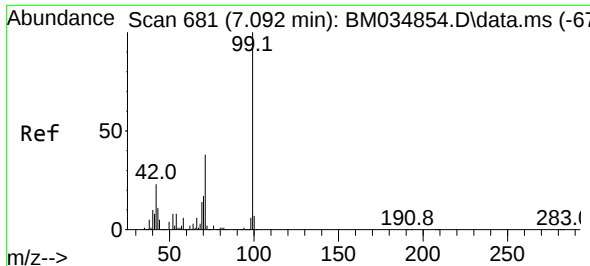
Tgt Ion:152 Resp: 124064
Ion Ratio Lower Upper
152 100
150 155.6 124.9 187.3
115 61.7 47.9 71.9



#5
2-Fluorophenol
Concen: 83.975 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:112 Resp: 590532
Ion Ratio Lower Upper
112 100
64 60.4 47.8 71.6
63 33.7 26.6 40.0

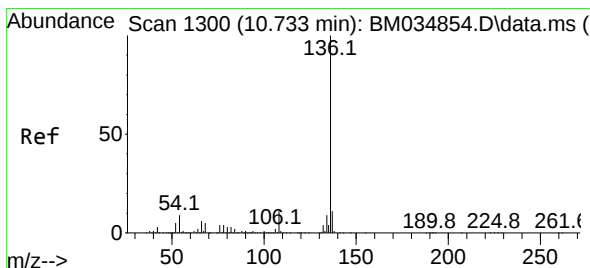
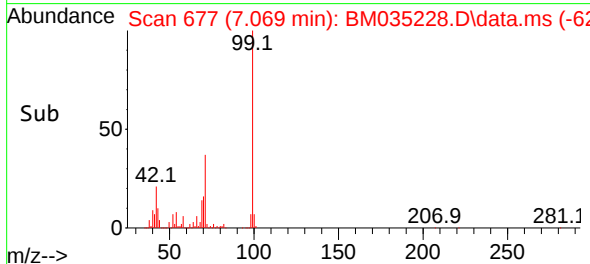
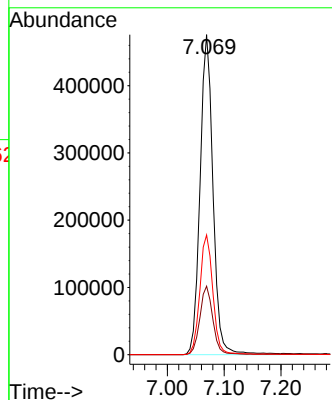
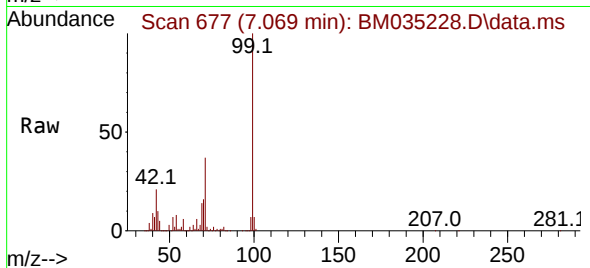




#7
Phenol-d6
Concen: 83.274 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

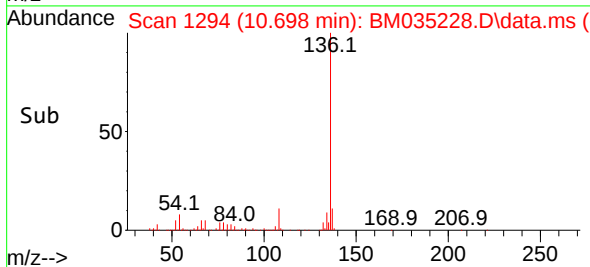
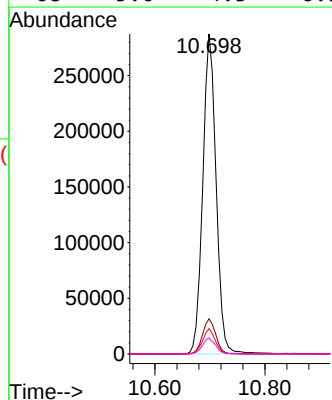
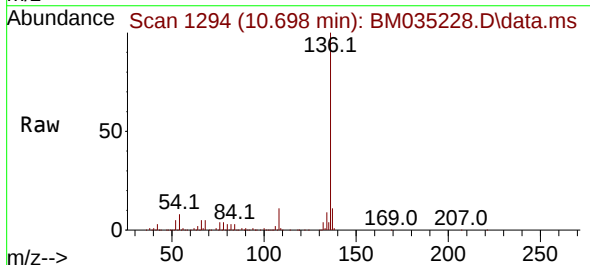
Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

Tgt Ion: 99 Resp: 755981
Ion Ratio Lower Upper
99 100
42 21.4 18.8 28.2
71 37.4 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: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion: 136 Resp: 484025
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 7.0 10.4
68 5.0 4.3 6.5

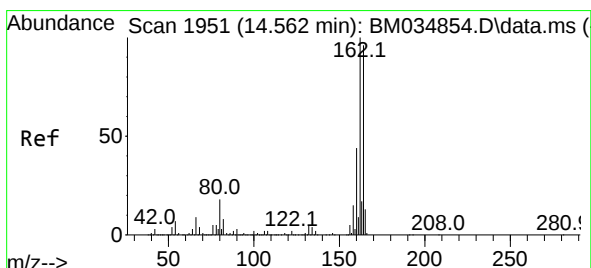
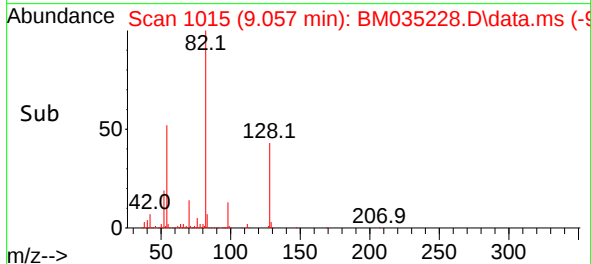
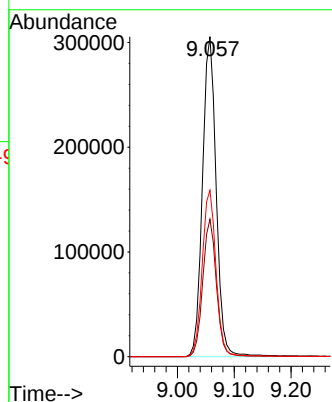
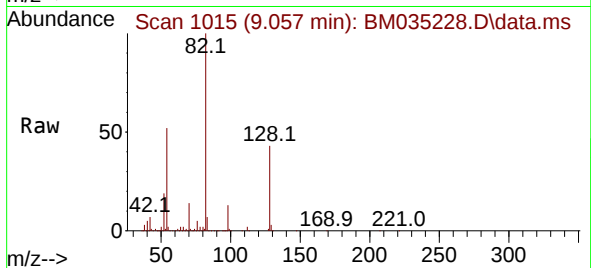




#23
Nitrobenzene-d5
Concen: 57.286 ng
RT: 9.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

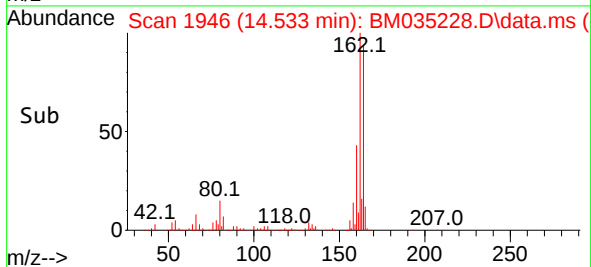
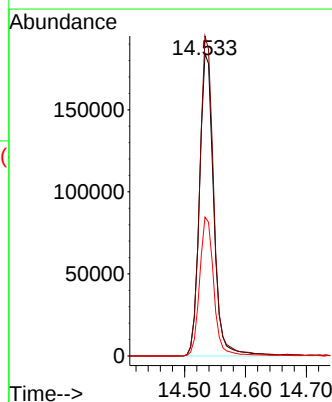
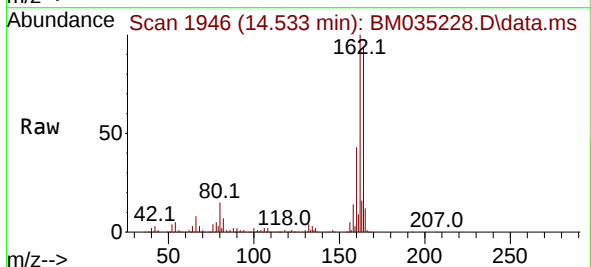
Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

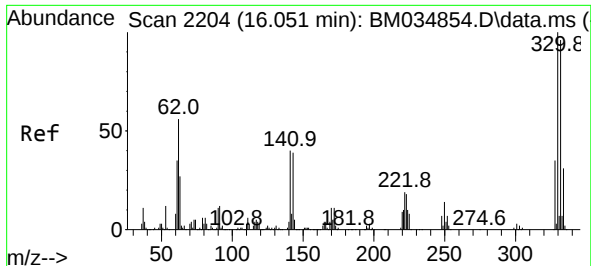
Tgt Ion: 82 Resp: 513461
Ion Ratio Lower Upper
82 100
128 43.0 33.7 50.5
54 52.0 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion: 164 Resp: 298693
Ion Ratio Lower Upper
164 100
162 105.9 83.0 124.6
160 46.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 95.906 ng

RT: 16.027 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM035228.D

Acq: 24 May 2022 20:33

Instrument :

BNA_M

ClientSampleId :

SB-8(0.5-1)

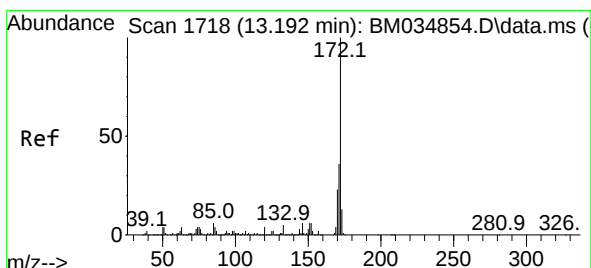
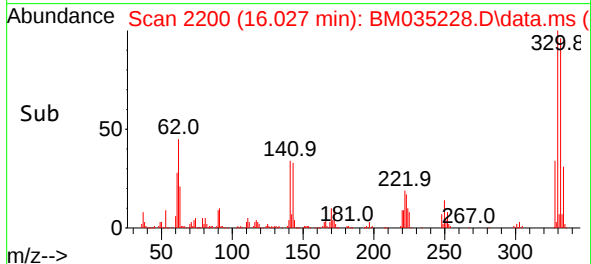
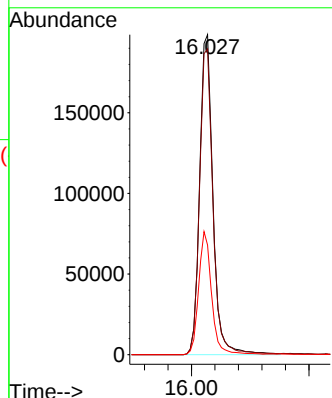
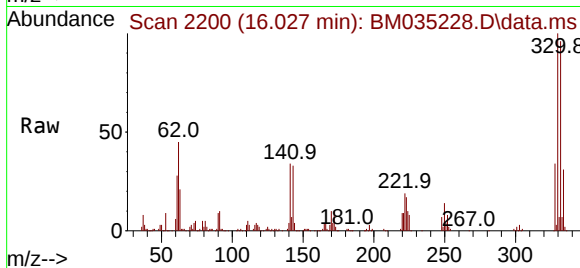
Tgt Ion:330 Resp: 311615

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.4

141 37.6 35.3 52.9



#45

2-Fluorobiphenyl

Concen: 57.595 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BM035228.D

Acq: 24 May 2022 20:33

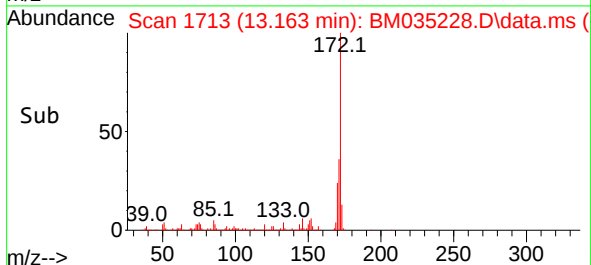
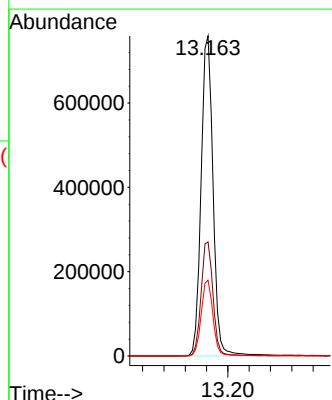
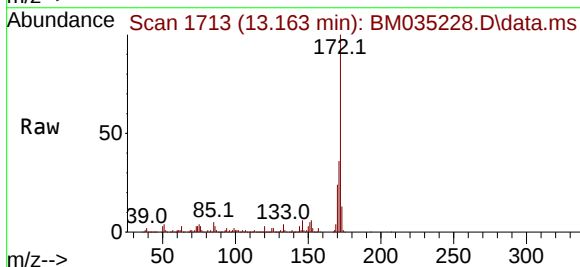
Tgt Ion:172 Resp: 1185068

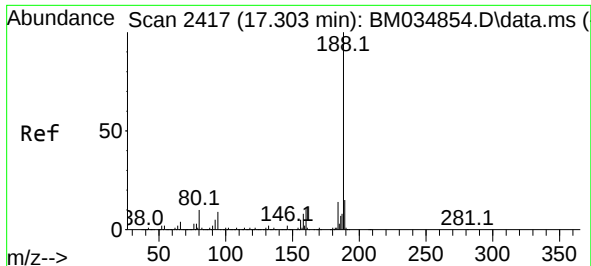
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.6 18.7 28.1

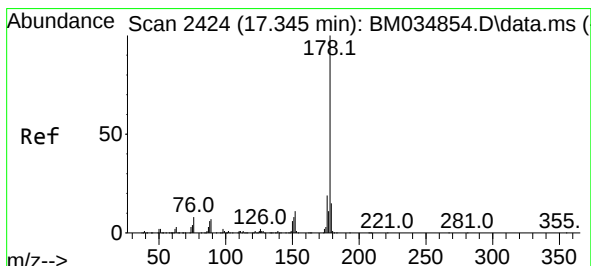
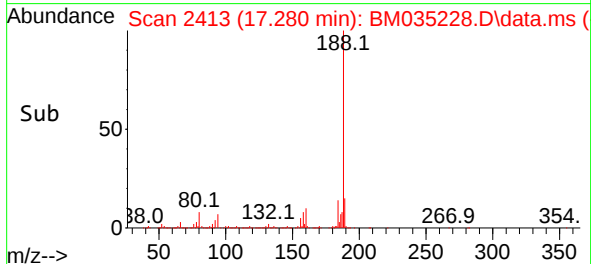
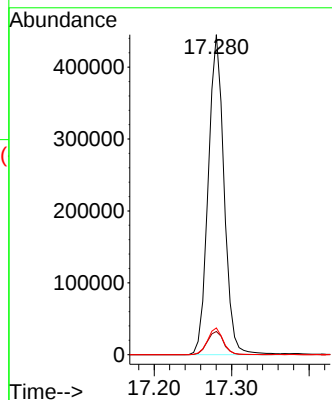
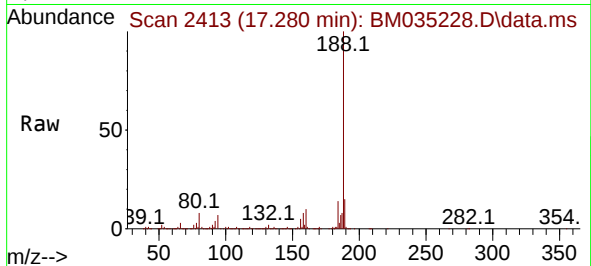




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

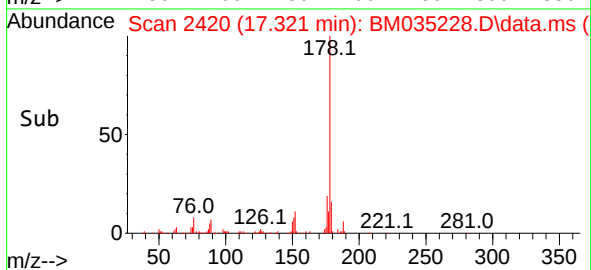
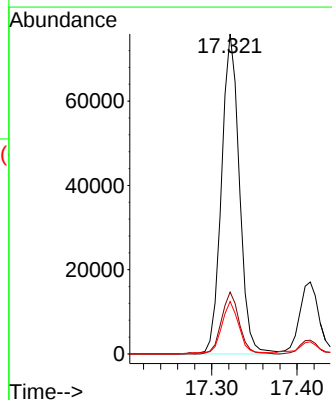
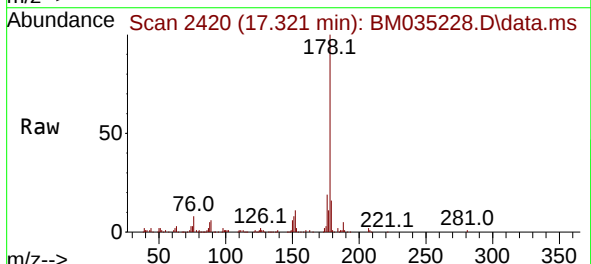
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SB-8(0.5-1)

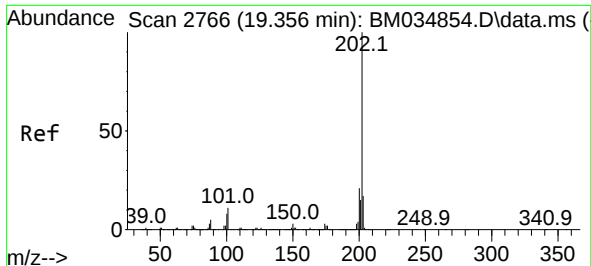
Tgt Ion:188 Resp: 630559
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 8.3 7.6 11.4



#71
Phenanthrene
Concen: 3.155 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:178 Resp: 110859
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.4 12.4 18.6

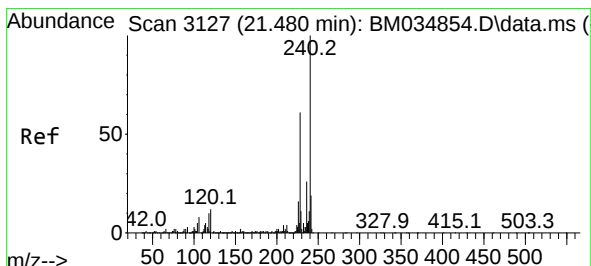
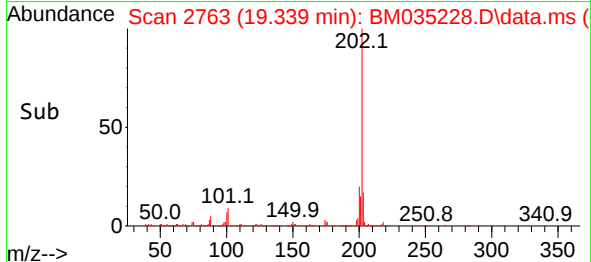
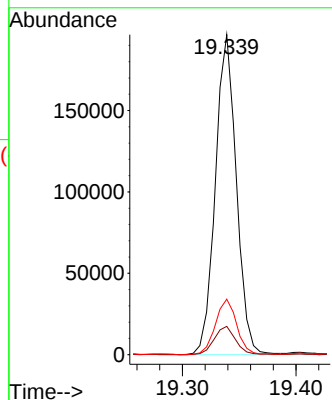
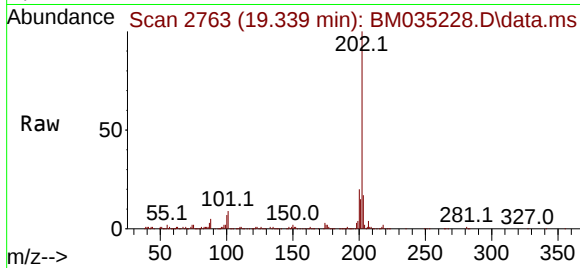




#75
Fluoranthene
Concen: 6.541 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

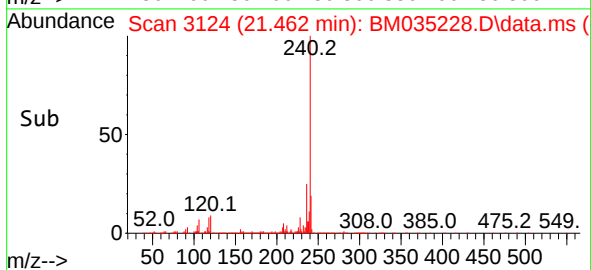
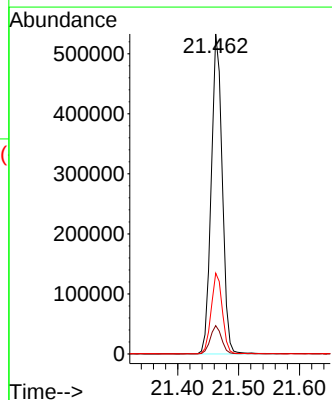
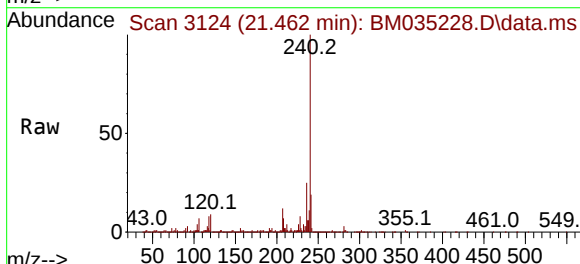
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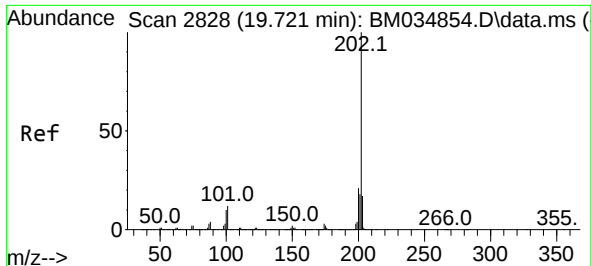
Tgt Ion:202 Resp: 252417
Ion Ratio Lower Upper
202 100
101 8.8 0.0 30.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:240 Resp: 670353
Ion Ratio Lower Upper
240 100
120 8.9 9.4 14.0#
236 25.3 20.6 30.8

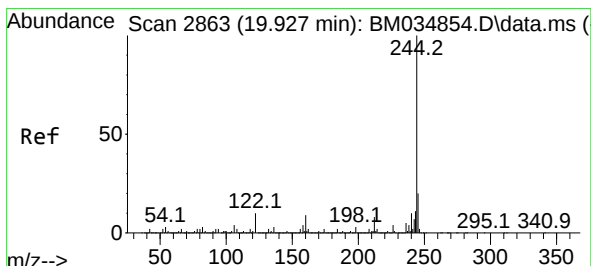
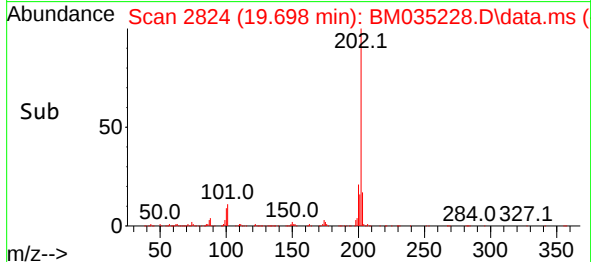
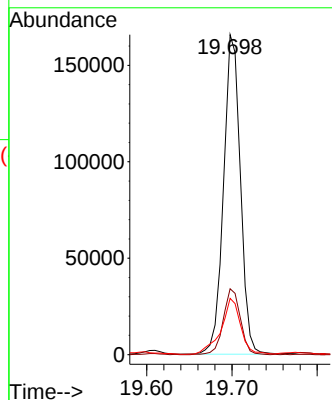
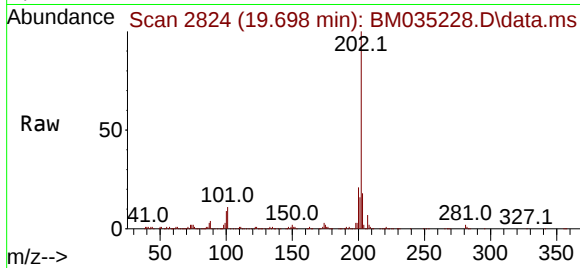




#78
 Pyrene
 Concen: 5.137 ng
 RT: 19.698 min Scan# 2824
 Delta R.T. -0.012 min
 Lab File: BM035228.D
 Acq: 24 May 2022 20:33

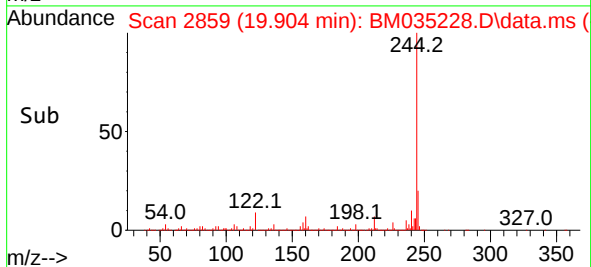
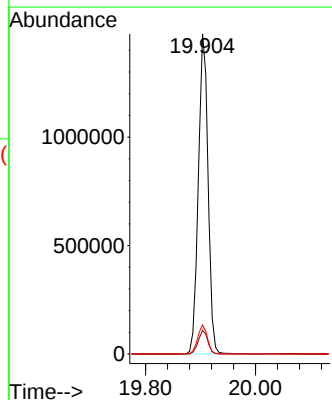
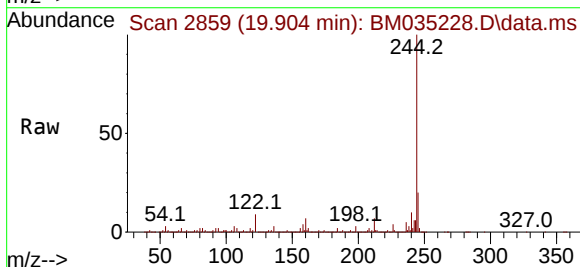
Instrument :
 BNA_M
 ClientSampleId :
 SB-8(0.5-1)

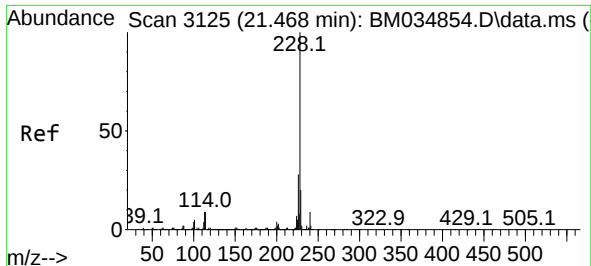
Tgt Ion:202 Resp: 227736
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.7 25.1
 203 17.6 13.9 20.9



#79
 Terphenyl-d14
 Concen: 52.292 ng
 RT: 19.904 min Scan# 2859
 Delta R.T. -0.012 min
 Lab File: BM035228.D
 Acq: 24 May 2022 20:33

Tgt Ion:244 Resp: 1810457
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.1 8.3 12.5

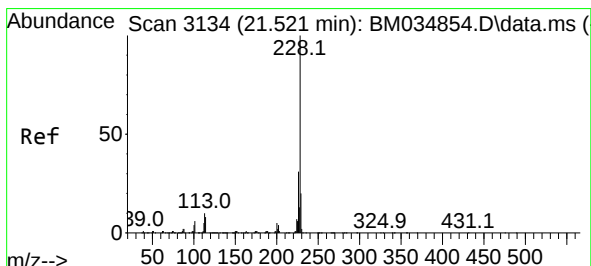
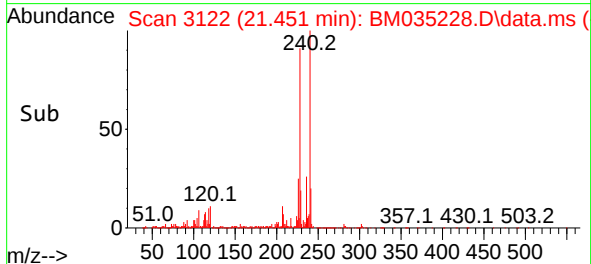
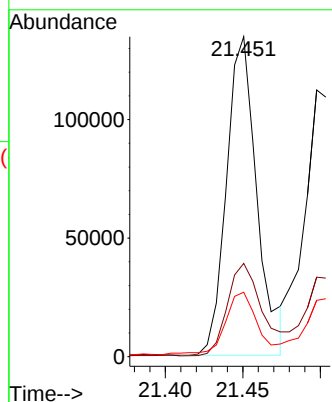
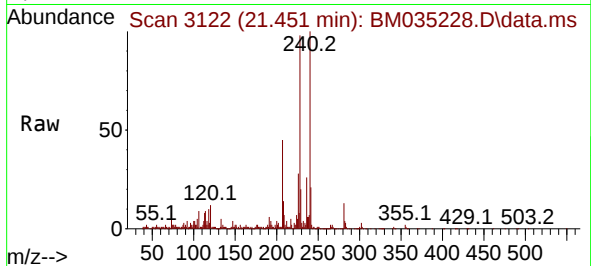




#81
Benzo(a)anthracene
Concen: 4.101 ng
RT: 21.451 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

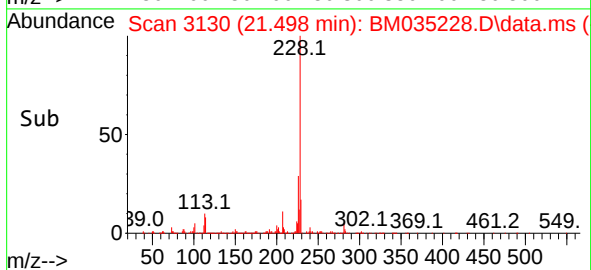
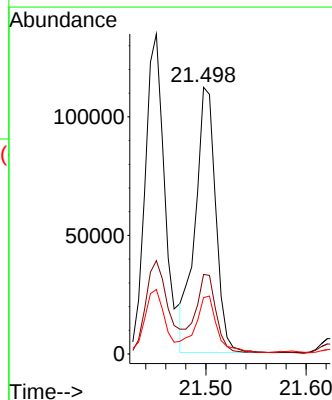
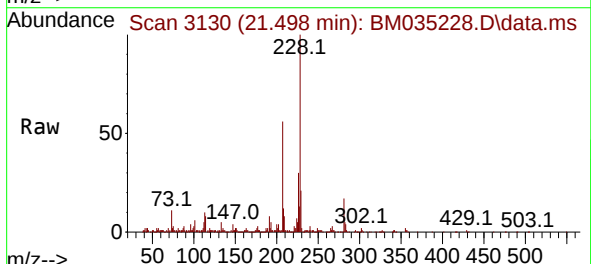
Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

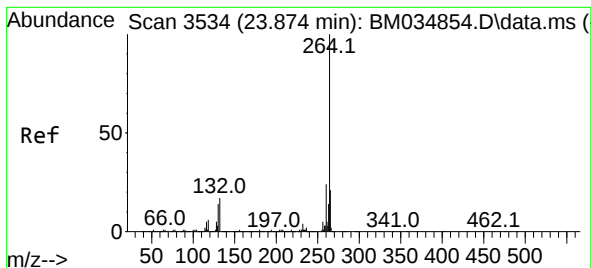
Tgt Ion:228 Resp: 183444
Ion Ratio Lower Upper
228 100
226 29.2 22.3 33.5
229 20.2 15.8 23.6



#83
Chrysene
Concen: 3.742 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.012 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:228 Resp: 159858
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.850 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM035228.D

Acq: 24 May 2022 20:33

Instrument :

BNA_M

ClientSampleId :

SB-8(0.5-1)

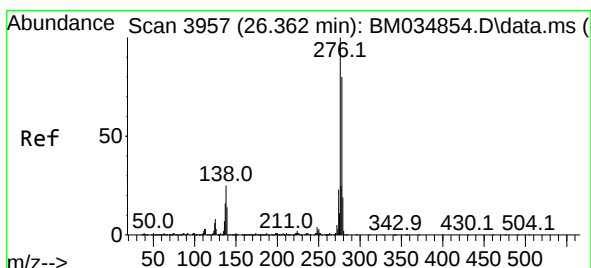
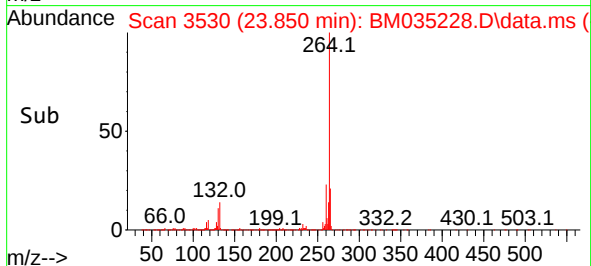
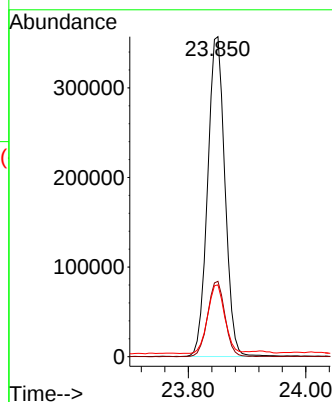
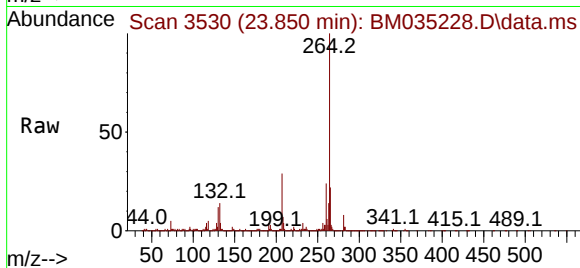
Tgt Ion:264 Resp: 728766

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.012 ng

RT: 26.309 min Scan# 3948

Delta R.T. -0.023 min

Lab File: BM035228.D

Acq: 24 May 2022 20:33

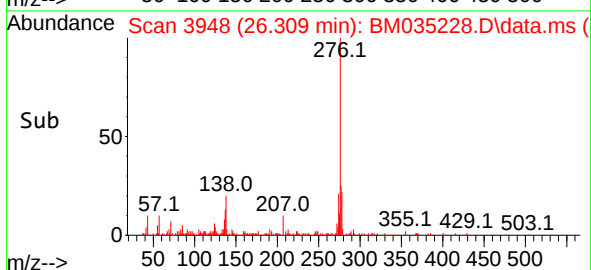
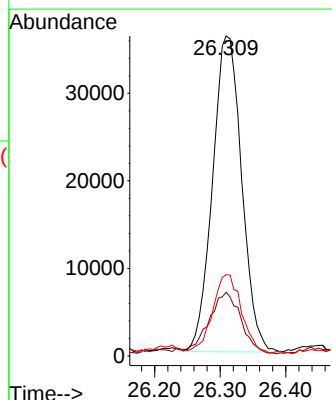
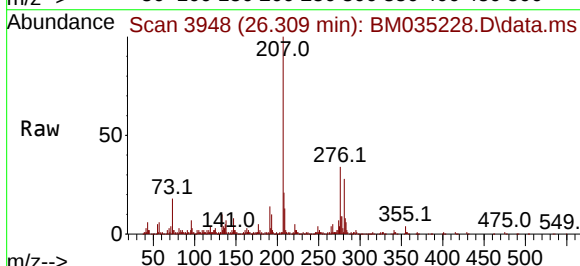
Tgt Ion:276 Resp: 111500

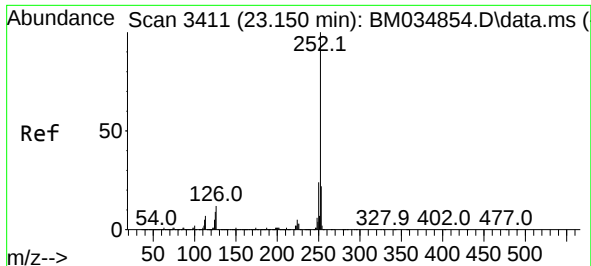
Ion Ratio Lower Upper

276 100

138 21.3 20.2 30.4

277 24.3 20.2 30.2

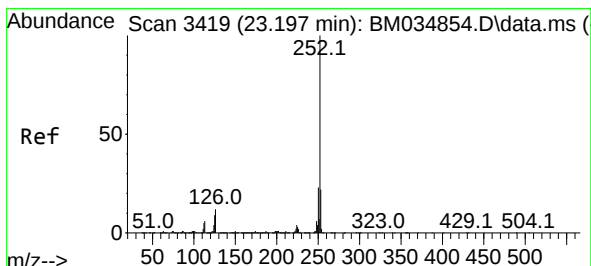
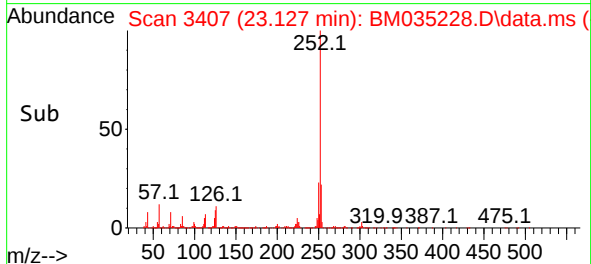
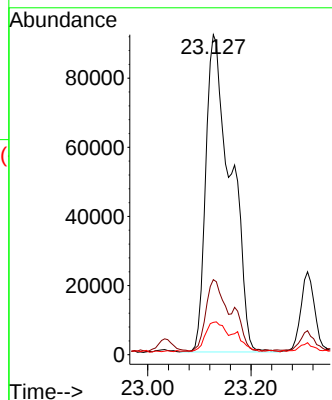
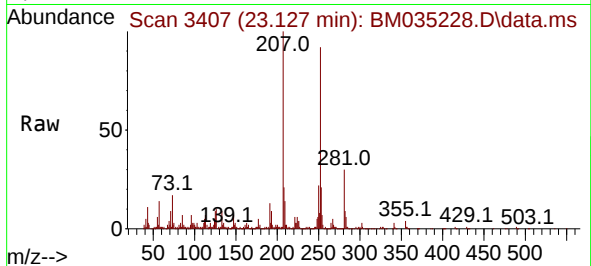




#88
Benzo(b)fluoranthene
Concen: 6.738 ng
RT: 23.127 min Scan# 3411
Delta R.T. -0.006 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

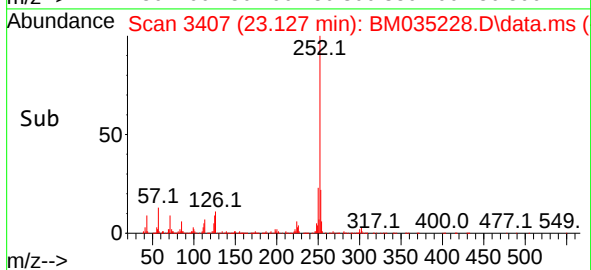
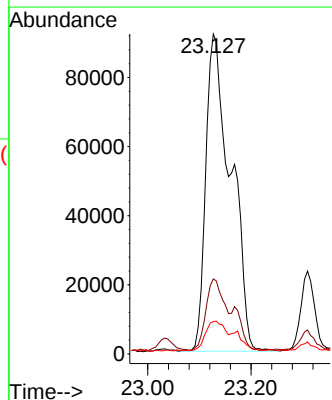
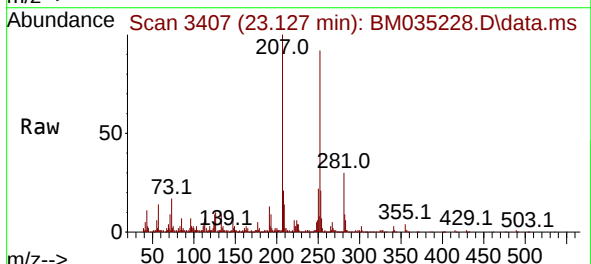
Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

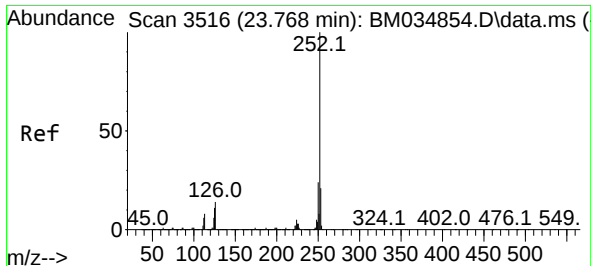
Tgt Ion:252 Resp: 308832
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.1 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 6.656 ng
RT: 23.127 min Scan# 3407
Delta R.T. -0.053 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:252 Resp: 308832
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.1 7.6 11.4

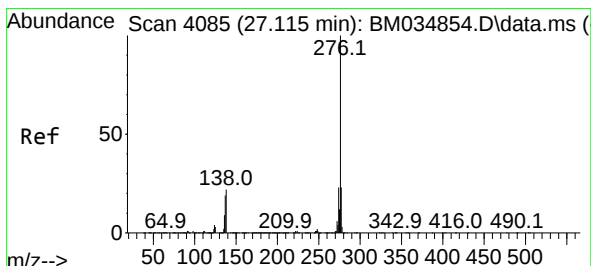
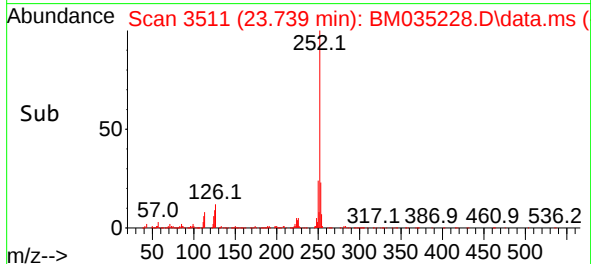
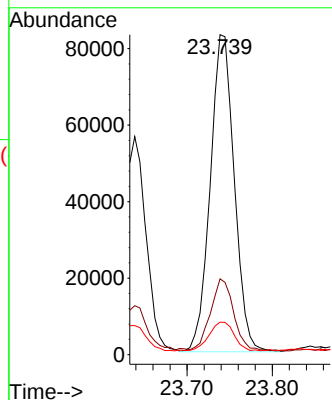
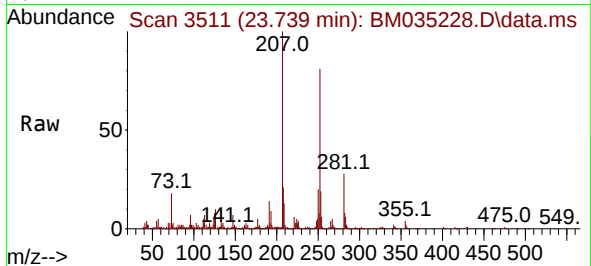




#90
Benzo(a)pyrene
Concen: 4.274 ng
RT: 23.739 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Instrument :
BNA_M
ClientSampleId :
SB-8(0.5-1)

Tgt Ion:252 Resp: 162742
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 10.2 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 2.247 ng
RT: 27.068 min Scan# 4077
Delta R.T. -0.023 min
Lab File: BM035228.D
Acq: 24 May 2022 20:33

Tgt Ion:276 Resp: 100364
Ion Ratio Lower Upper
276 100
277 24.6 18.7 28.1
138 19.8 17.6 26.4

