

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042580.D
 Acq On : 03 Nov 2023 20:59
 Operator : MA/JU
 Sample : 05220-03 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-6(5-10)

Quant Time: Nov 03 22:41:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

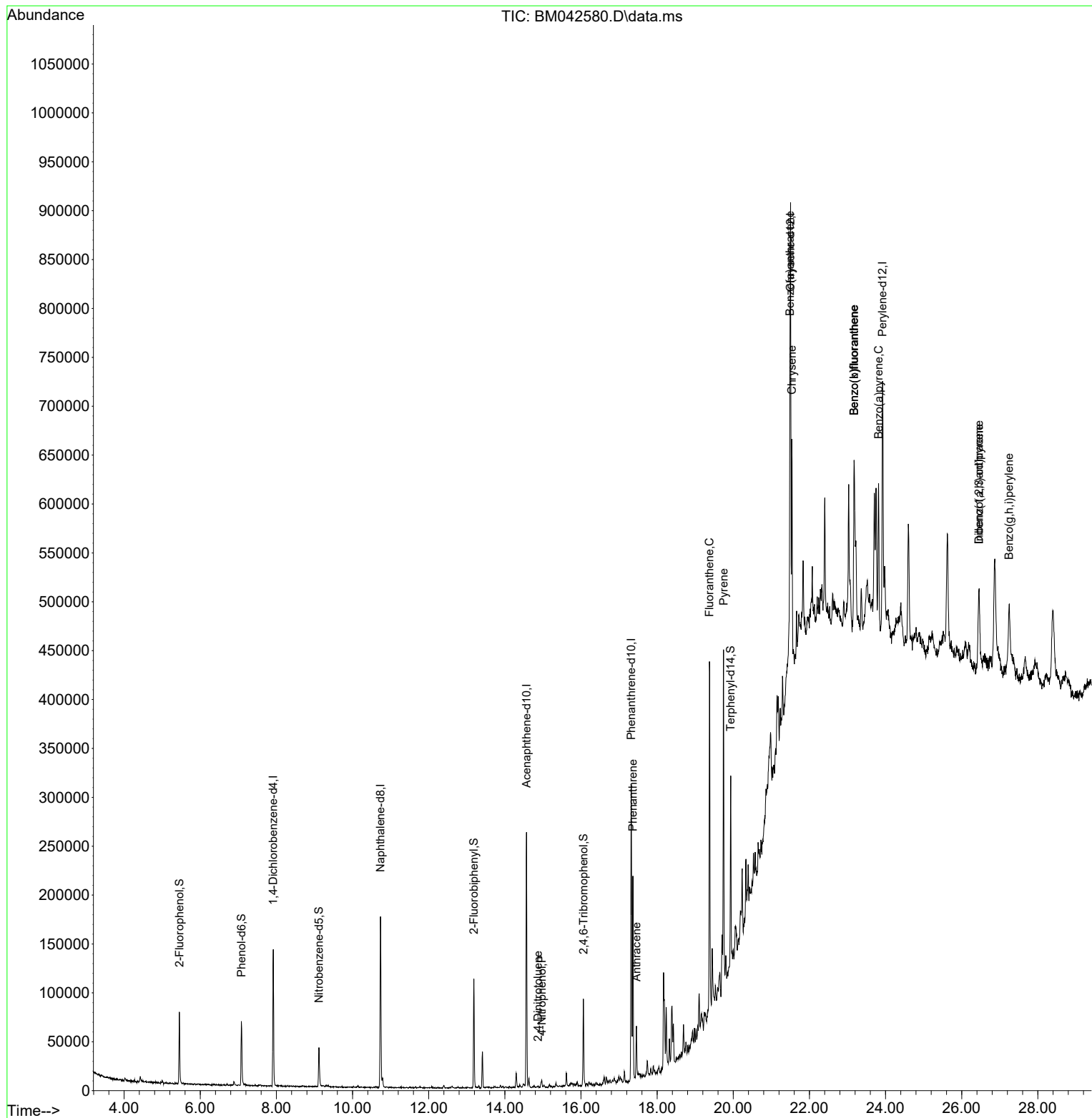
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	32959	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	126358	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	78881	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	174050	20.000	ng	0.00
76) Chrysene-d12	21.503	240	172190	20.000	ng	0.00
86) Perylene-d12	23.921	264	190010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	27336	13.385	ng	0.01
7) Phenol-d6	7.081	99	34835	12.437	ng	0.00
23) Nitrobenzene-d5	9.116	82	24351	8.984	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	13278	12.893	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	54391	9.278	ng	0.00
79) Terphenyl-d14	19.933	244	82408	8.115	ng	0.00
Target Compounds						Qvalue
56) 4-Nitrophenol	14.969	139	1849	8.483	ng	# 1
57) 2,4-Dinitrotoluene	14.869	165	63	4.003	ng	# 5
71) Phenanthrene	17.363	178	111237	12.230	ng	99
72) Anthracene	17.457	178	30899	3.430	ng	99
75) Fluoranthene	19.374	202	204240	19.116	ng	99
78) Pyrene	19.745	202	199703	16.890	ng	99
81) Benzo(a)anthracene	21.486	228	125944	11.496	ng	98
83) Chrysene	21.539	228	116999	10.513	ng	96
87) Indeno(1,2,3-cd)pyrene	26.456	276	76399	6.756	ng	# 92
88) Benzo(b)fluoranthene	23.174	252	147835	13.965	ng	96
89) Benzo(k)fluoranthene	23.174	252	147835	12.533	ng	96
90) Benzo(a)pyrene	23.815	252	110872	10.638	ng	94
91) Dibenzo(a,h)anthracene	26.456	278	19300	5.827	ng	# 74
92) Benzo(g,h,i)perylene	27.244	276	82465	8.274	ng	# 94

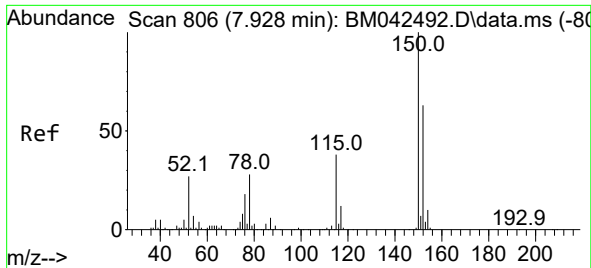
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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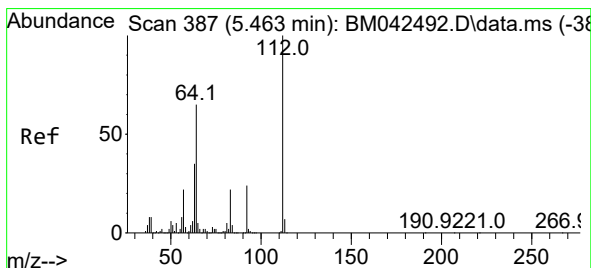
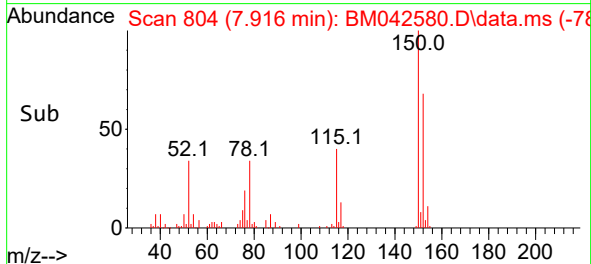
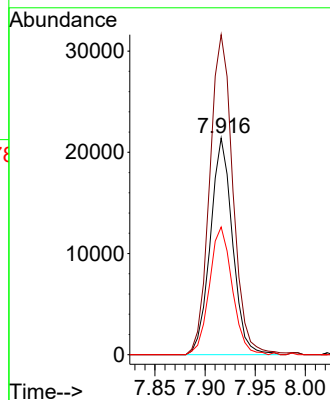
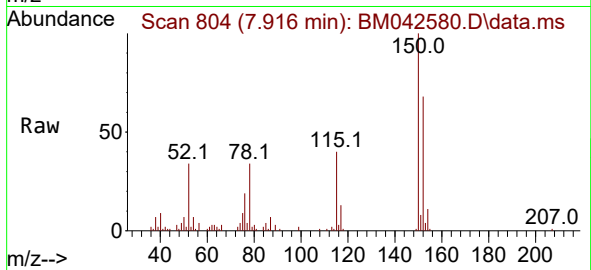




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 804
Delta R.T. 0.006 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

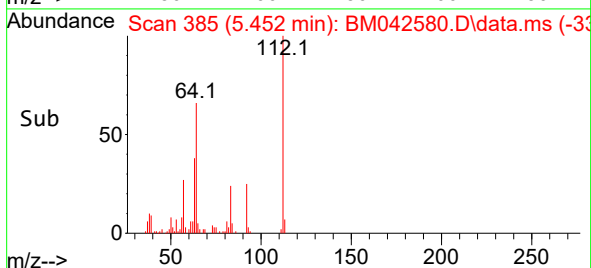
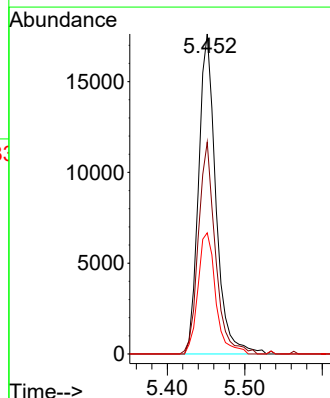
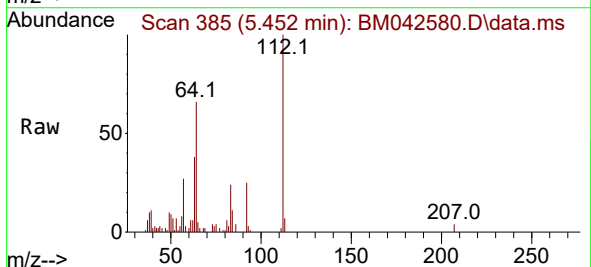
Instrument :
BNA_M
ClientSampleId :
Z-6(5-10)

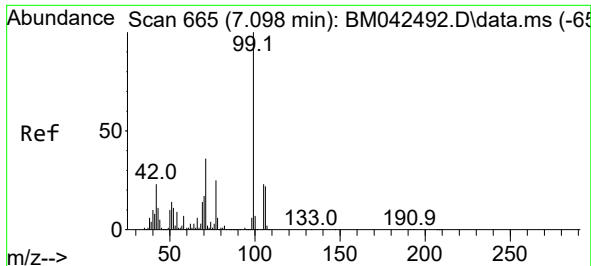
Tgt Ion:152 Resp: 32959
Ion Ratio Lower Upper
152 100
150 147.7 127.4 191.0
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 13.385 ng
RT: 5.452 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

Tgt Ion:112 Resp: 27336
Ion Ratio Lower Upper
112 100
64 66.2 52.1 78.1
63 37.9 28.3 42.5

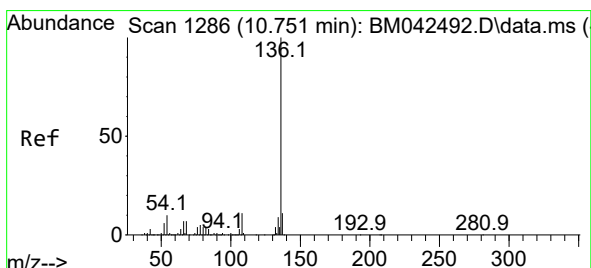
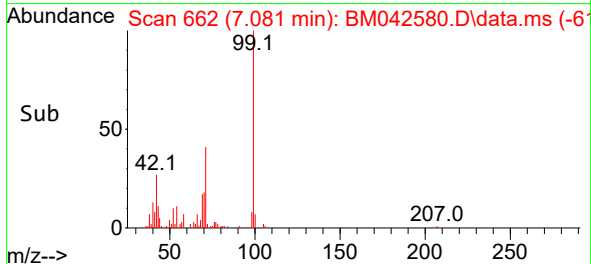
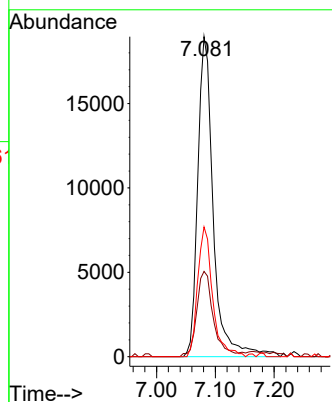
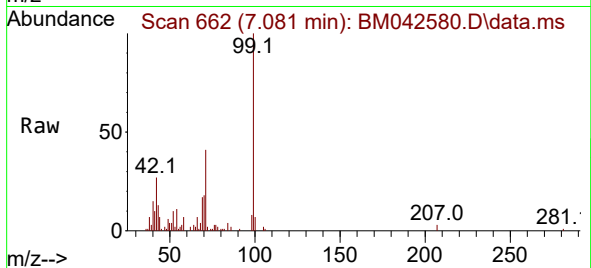




#7
Phenol-d6
Concen: 12.437 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

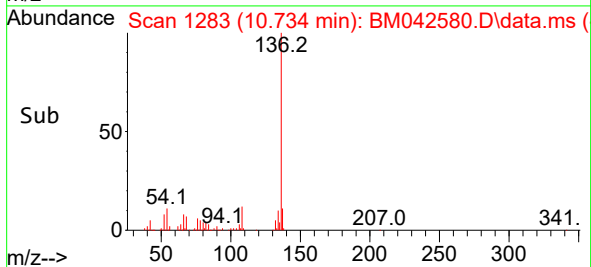
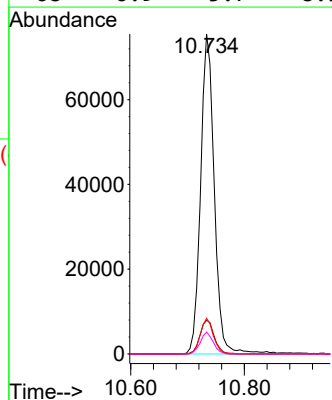
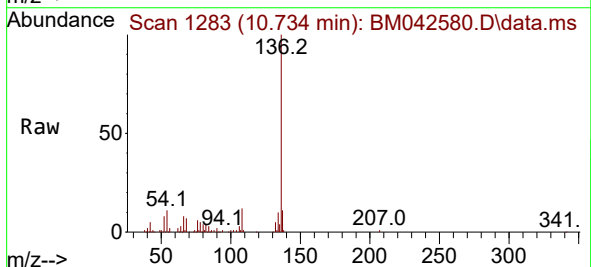
Instrument :
BNA_M
ClientSampleId :
Z-6(5-10)

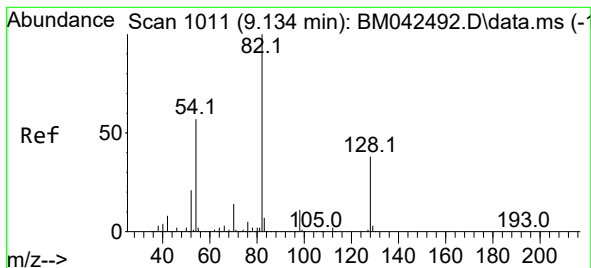
Tgt Ion: 99 Resp: 34835
Ion Ratio Lower Upper
99 100
42 26.6 18.7 28.1
71 40.6 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

Tgt Ion: 136 Resp: 126358
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 11.1 8.0 12.0
68 6.9 5.7 8.5





#23

Nitrobenzene-d5

Concen: 8.984 ng

RT: 9.116 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

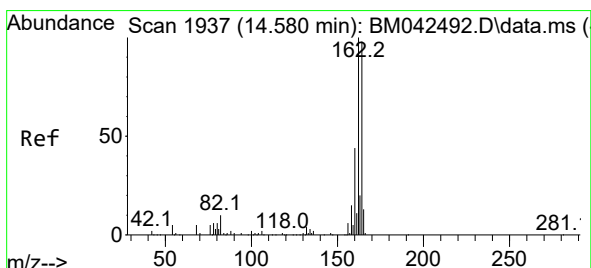
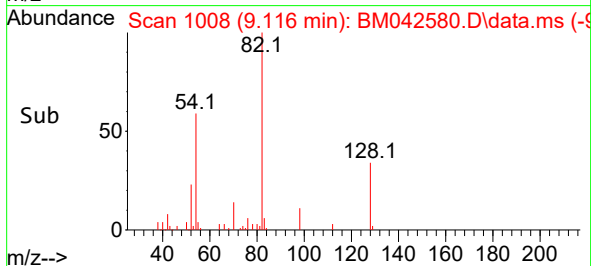
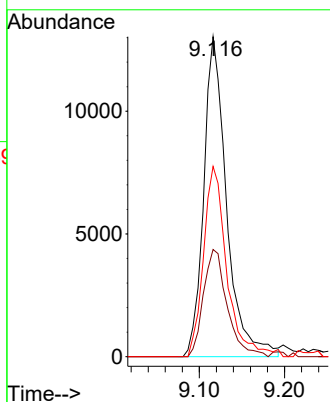
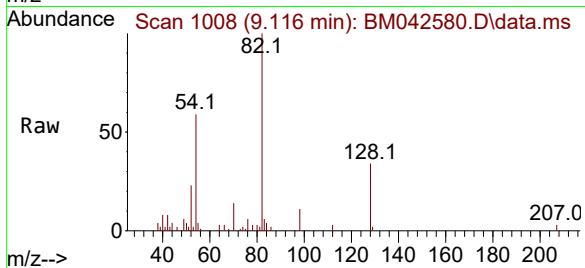
Tgt Ion: 82 Resp: 24351

Ion Ratio Lower Upper

82 100

128 33.5 30.7 46.1

54 59.4 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

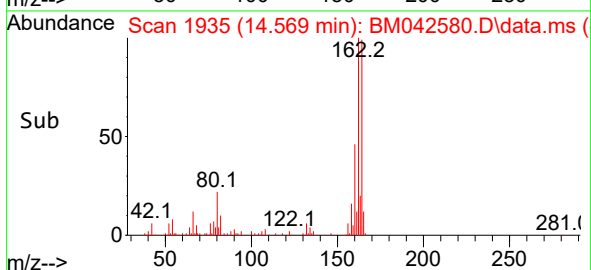
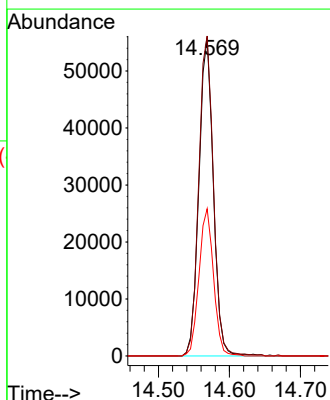
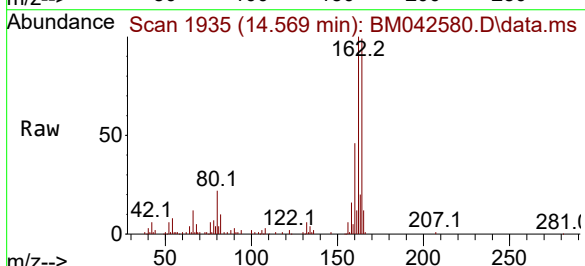
Tgt Ion: 164 Resp: 78881

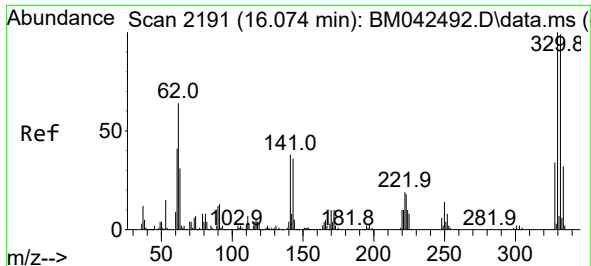
Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

160 46.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 12.893 ng

RT: 16.063 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

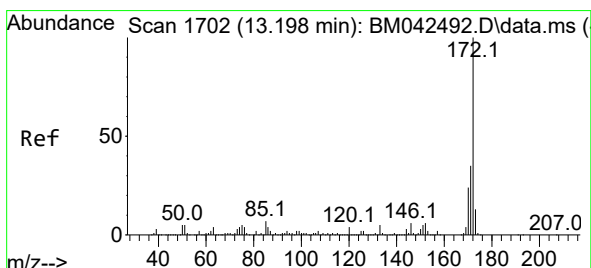
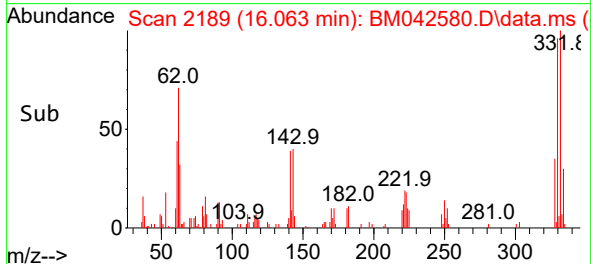
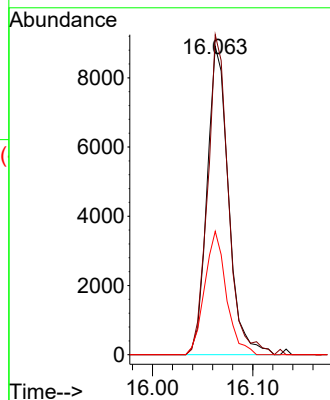
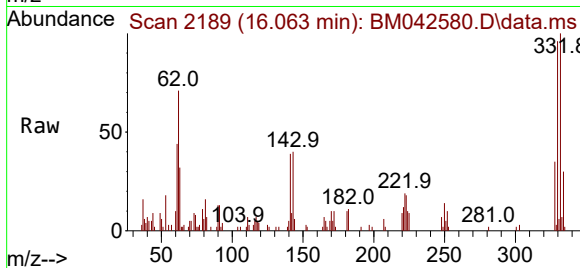
Tgt Ion:330 Resp: 13278

Ion Ratio Lower Upper

330 100

332 100.7 78.8 118.2

141 40.4 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 9.278 ng

RT: 13.186 min Scan# 1700

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

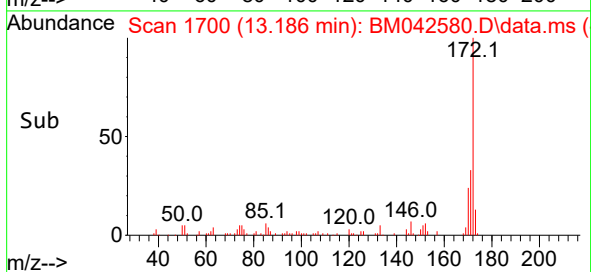
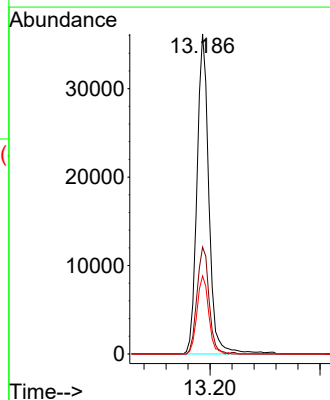
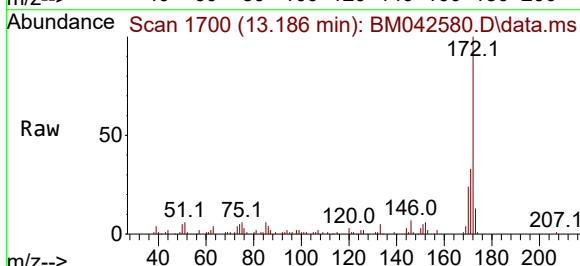
Tgt Ion:172 Resp: 54391

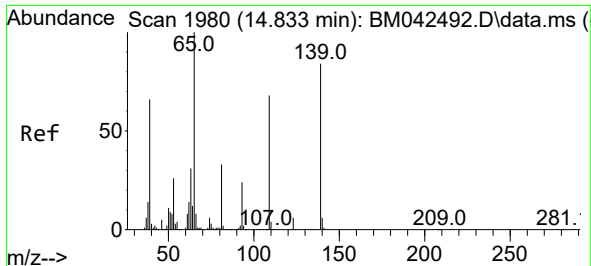
Ion Ratio Lower Upper

172 100

171 33.4 28.2 42.2

170 24.4 19.0 28.4

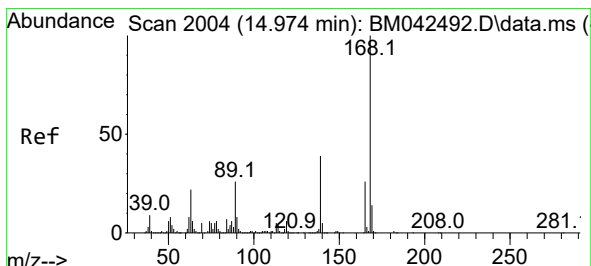
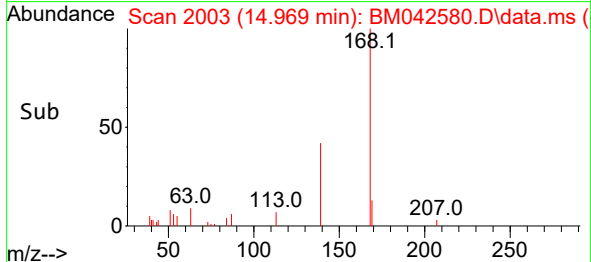
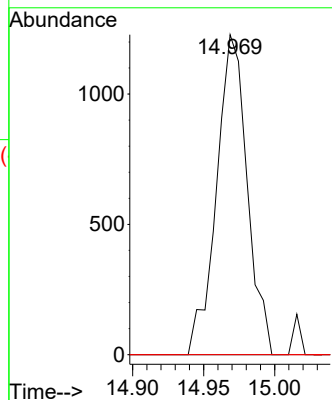
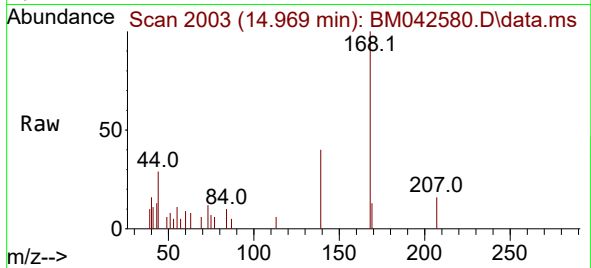




#56
4-Nitrophenol
Concen: 8.483 ng
RT: 14.969 min Scan# 20
Delta R.T. 0.147 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

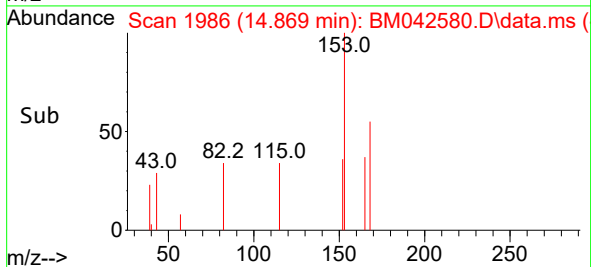
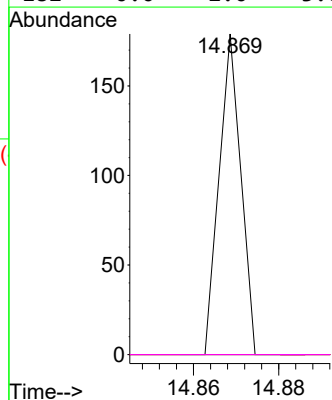
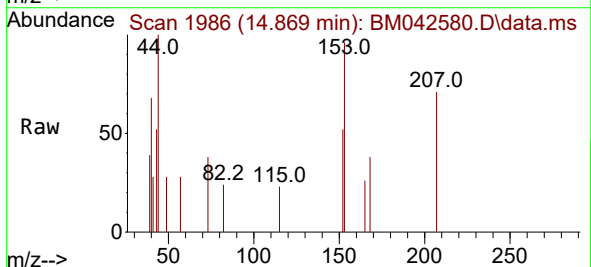
Instrument :
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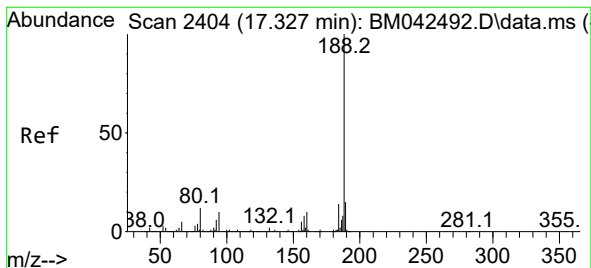
Tgt Ion:139 Resp: 1849
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.003 ng
RT: 14.869 min Scan# 1986
Delta R.T. -0.094 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

Tgt Ion:165 Resp: 63
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

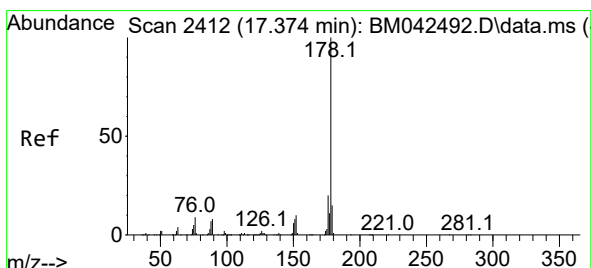
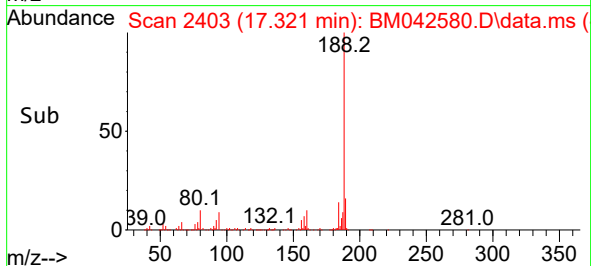
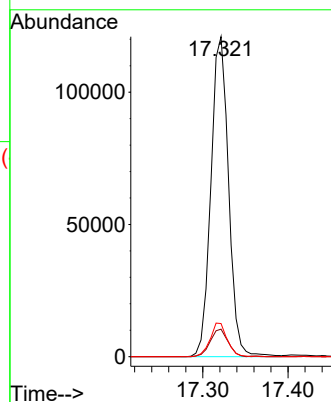
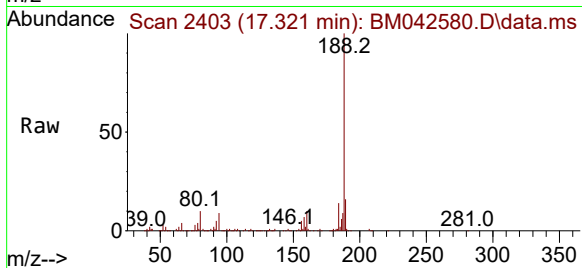
Tgt Ion:188 Resp: 174050

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.4

80 10.4 9.4 14.2



#71

Phenanthrene

Concen: 12.230 ng

RT: 17.363 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

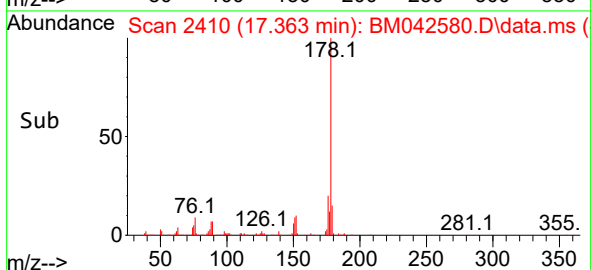
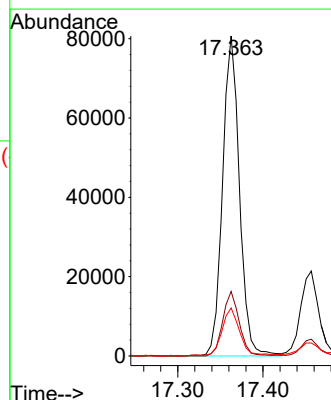
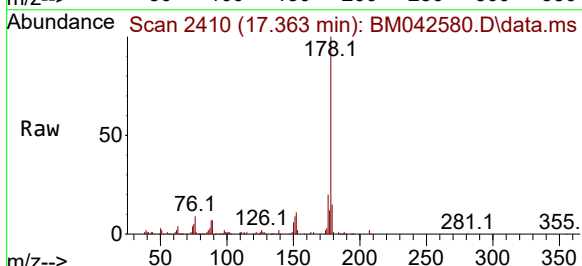
Tgt Ion:178 Resp: 111237

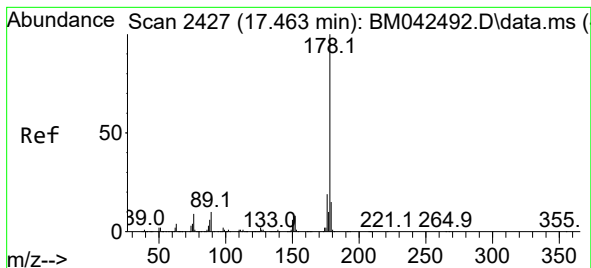
Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

179 15.0 12.2 18.4





#72

Anthracene

Concen: 3.430 ng

RT: 17.457 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

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ClientSampleId :

Z-6(5-10)

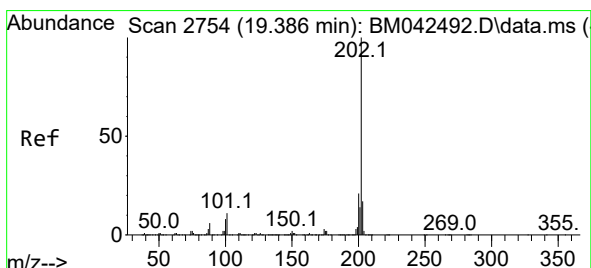
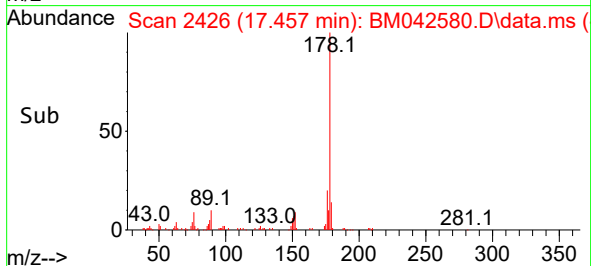
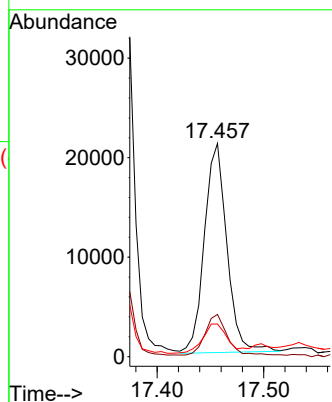
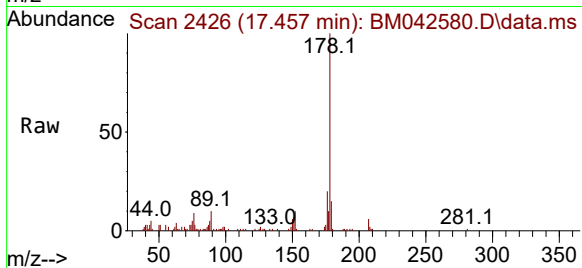
Tgt Ion:178 Resp: 30899

Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

179 15.3 12.3 18.5



#75

Fluoranthene

Concen: 19.116 ng

RT: 19.374 min Scan# 2752

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

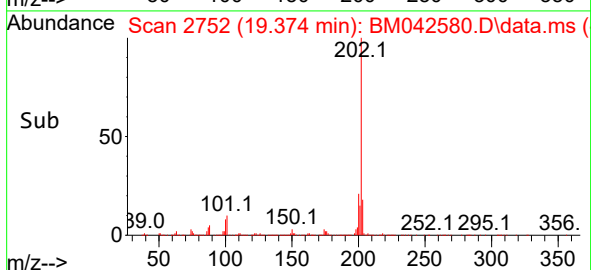
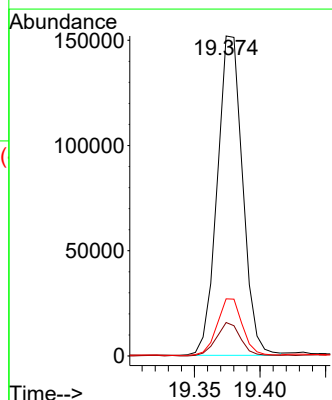
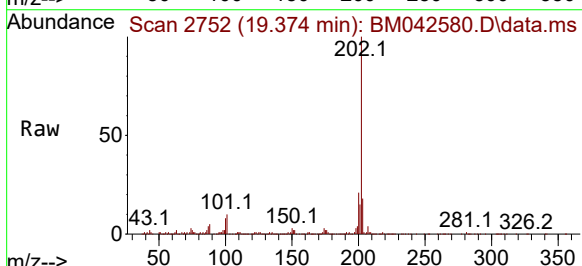
Tgt Ion:202 Resp: 204240

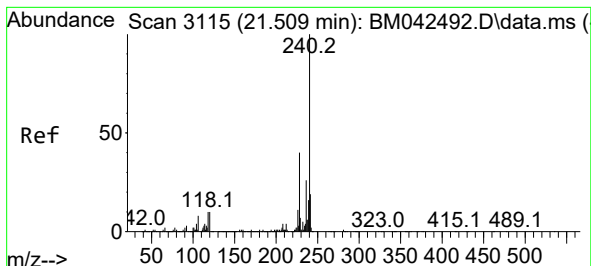
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.5

203 17.8 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

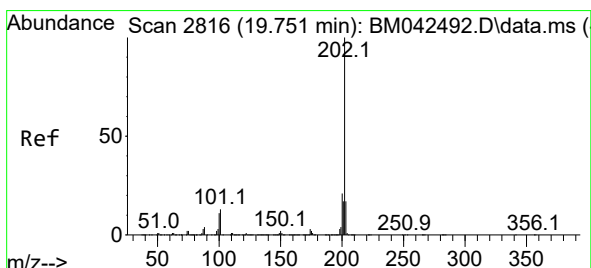
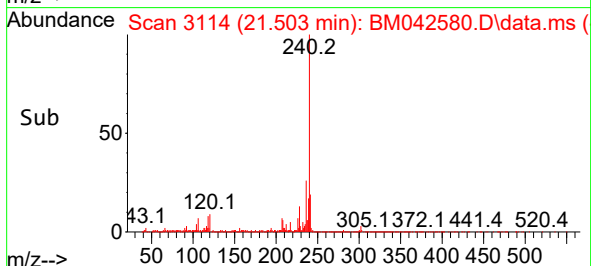
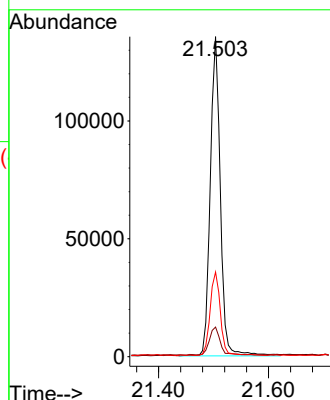
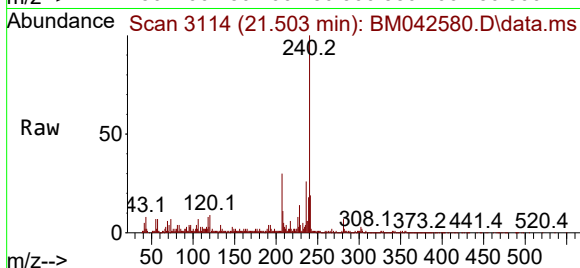
Tgt Ion:240 Resp: 172190

Ion Ratio Lower Upper

240 100

120 9.3 8.3 12.5

236 26.4 20.8 31.2



#78

Pyrene

Concen: 16.890 ng

RT: 19.745 min Scan# 2815

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

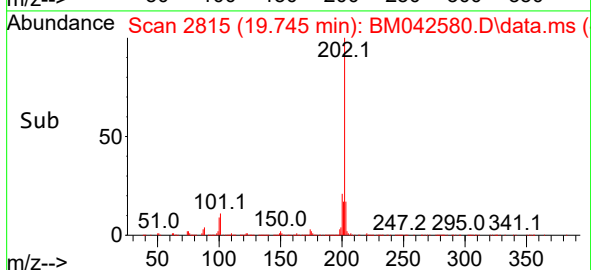
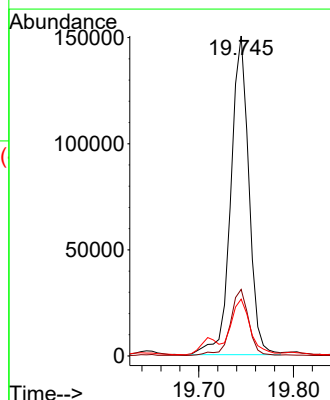
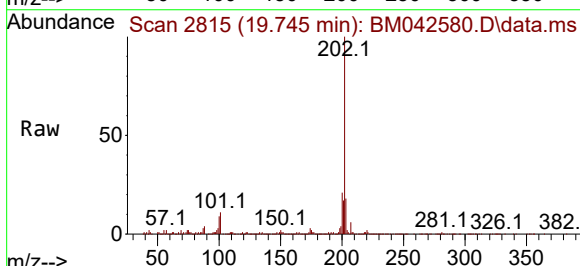
Tgt Ion:202 Resp: 199703

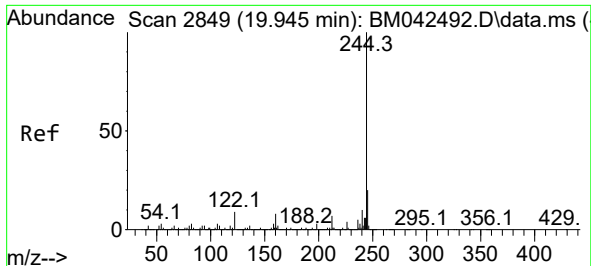
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.8 13.7 20.5

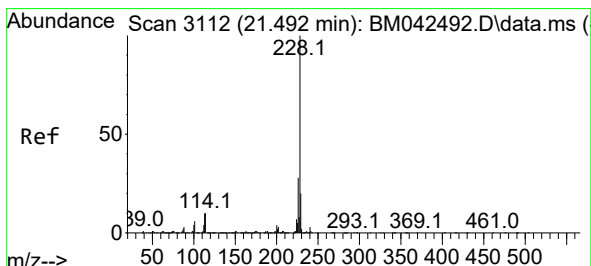
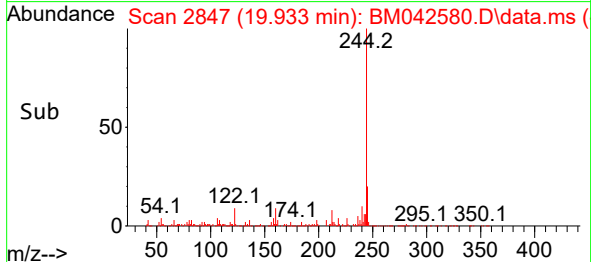
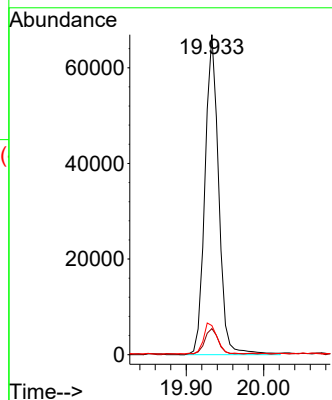
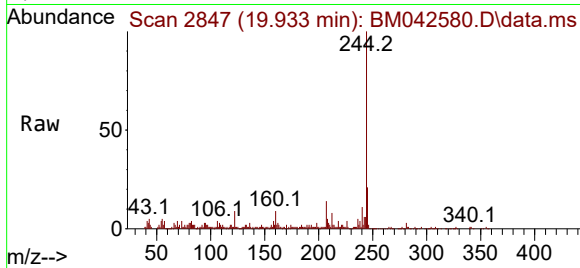




#79
 Terphenyl-d14
 Concen: 8.115 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042580.D
 Acq: 03 Nov 2023 20:59

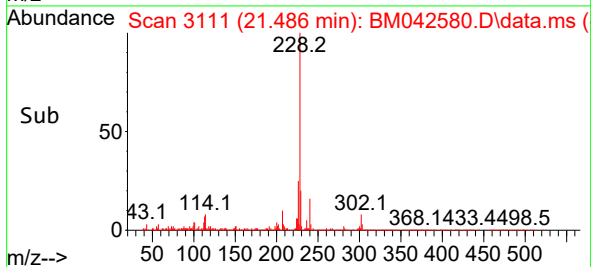
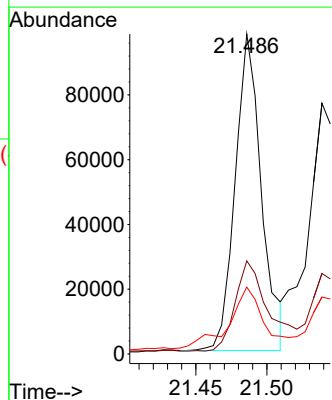
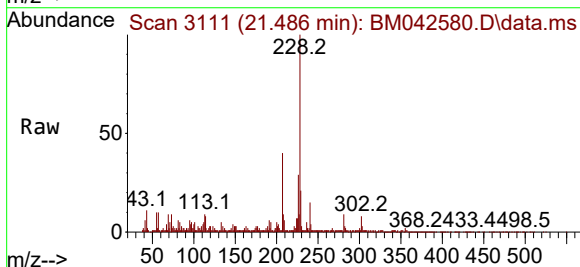
Instrument :
 BNA_M
 ClientSampleId :
 Z-6(5-10)

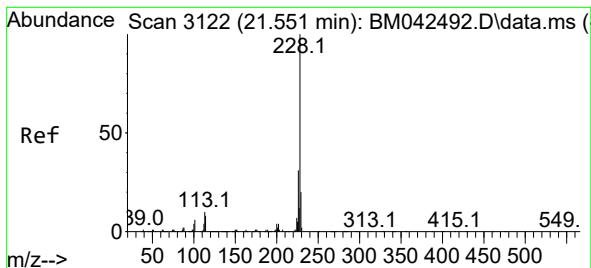
Tgt Ion:244 Resp: 82408
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.4 8.2
 122 9.1 7.2 10.8



#81
 Benzo(a)anthracene
 Concen: 11.496 ng
 RT: 21.486 min Scan# 3111
 Delta R.T. -0.000 min
 Lab File: BM042580.D
 Acq: 03 Nov 2023 20:59

Tgt Ion:228 Resp: 125944
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 20.9 15.8 23.8





#83

Chrysene

Concen: 10.513 ng

RT: 21.539 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

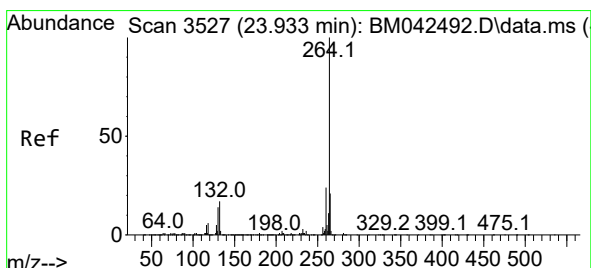
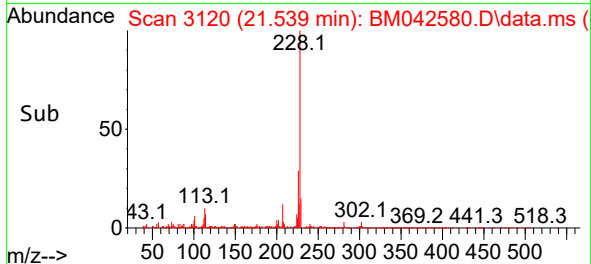
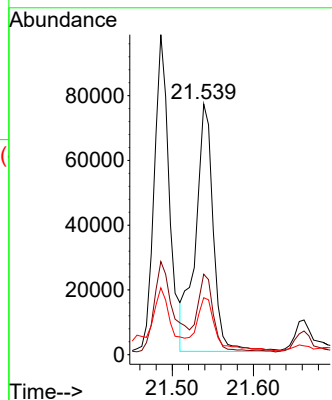
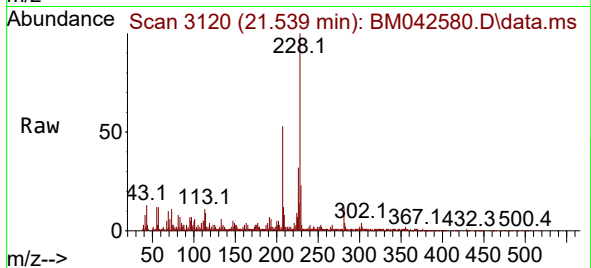
Tgt Ion:228 Resp: 116999

Ion Ratio Lower Upper

228 100

226 32.1 24.4 36.6

229 22.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3525

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

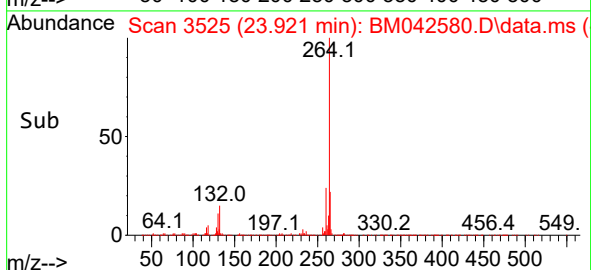
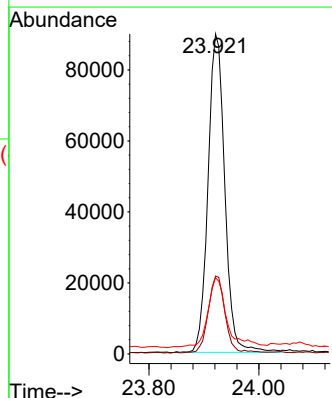
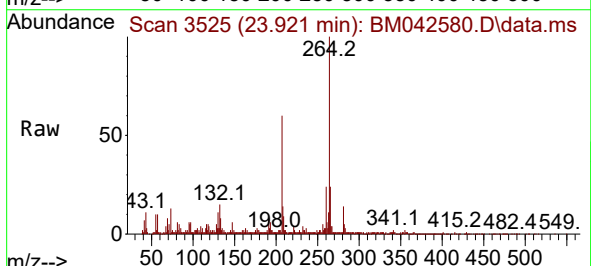
Tgt Ion:264 Resp: 190010

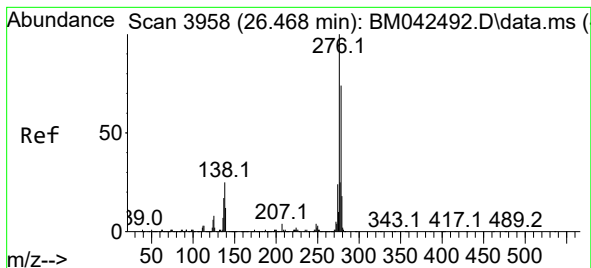
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 23.9 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.756 ng

RT: 26.456 min Scan# 3398

Delta R.T. 0.006 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

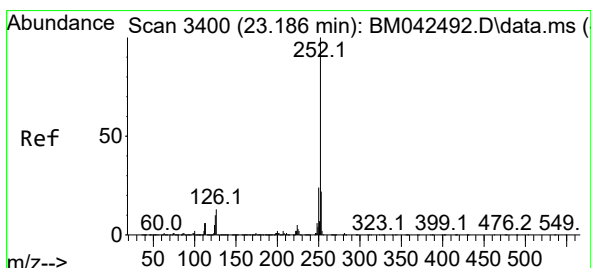
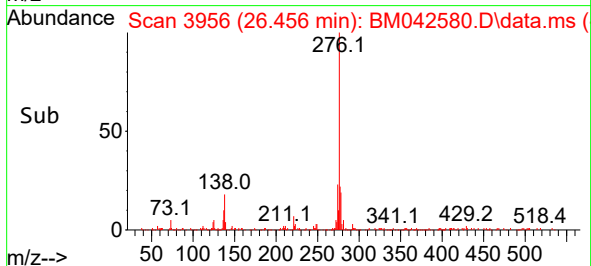
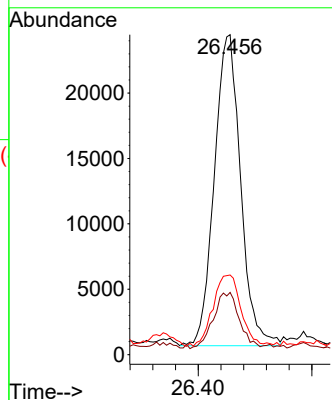
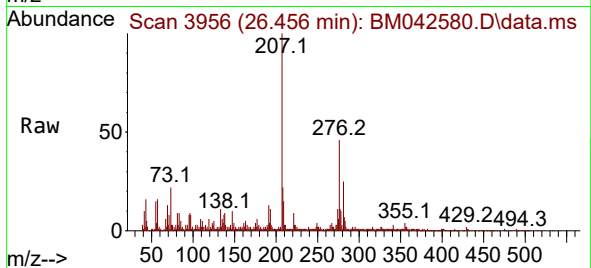
Tgt Ion:276 Resp: 76399

Ion Ratio Lower Upper

276 100

138 17.8 20.6 31.0#

277 24.5 19.5 29.3



#88

Benzo(b)fluoranthene

Concen: 13.965 ng

RT: 23.174 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

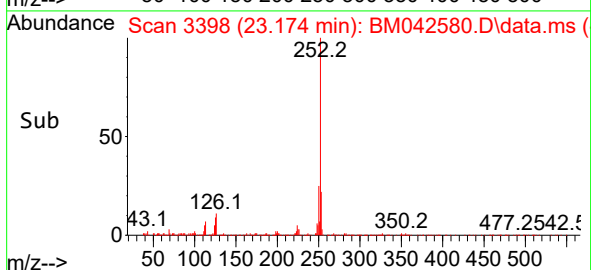
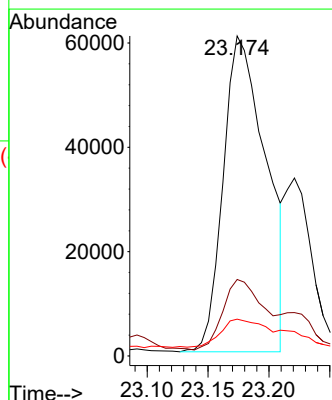
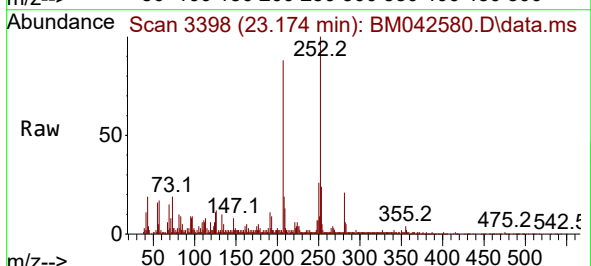
Tgt Ion:252 Resp: 147835

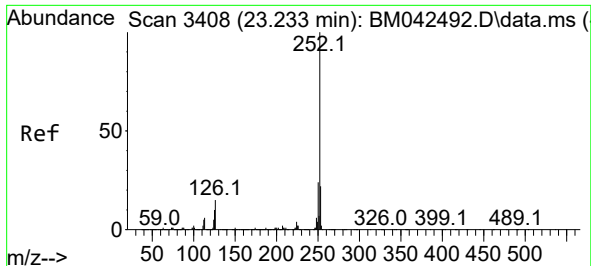
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 11.5 7.8 11.6

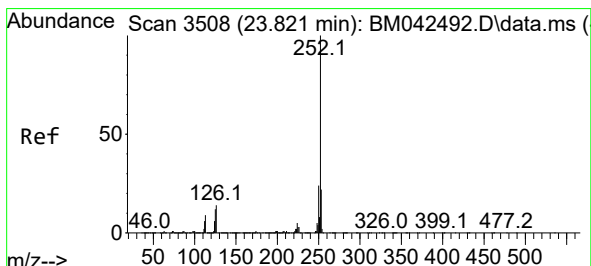
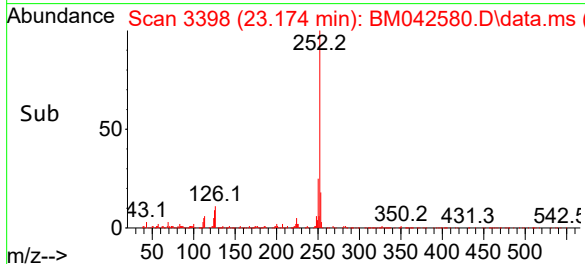
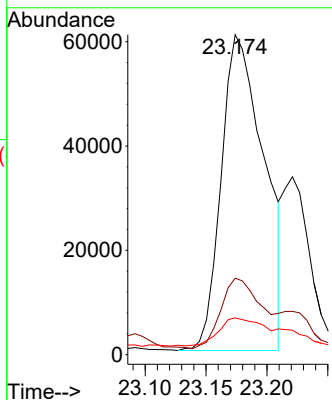
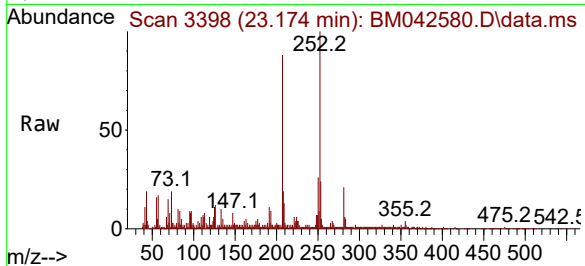




#89
Benzo(k)fluoranthene
Concen: 12.533 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

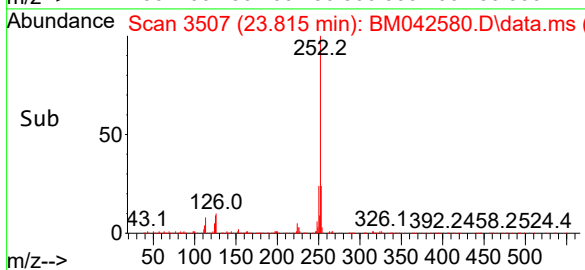
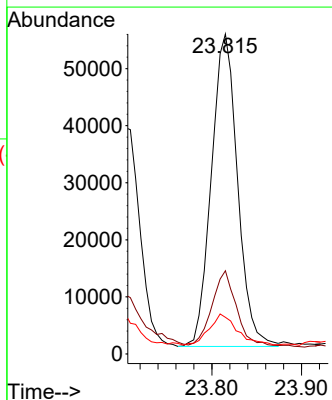
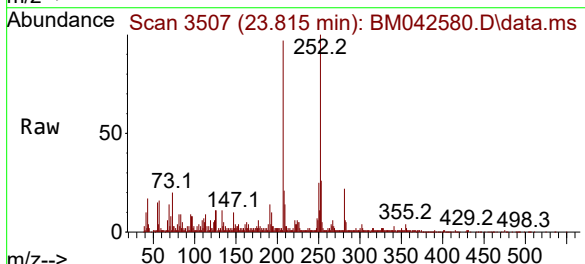
Instrument :
BNA_M
ClientSampleId :
Z-6(5-10)

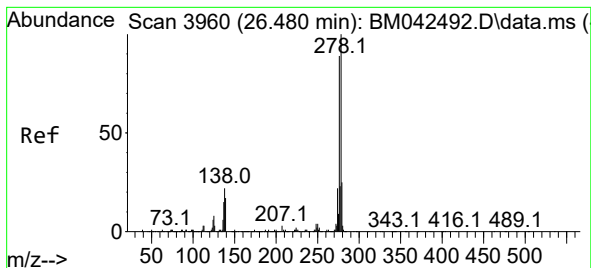
Tgt Ion:252 Resp: 147835
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.5 8.2 12.4



#90
Benzo(a)pyrene
Concen: 10.638 ng
RT: 23.815 min Scan# 3507
Delta R.T. 0.006 min
Lab File: BM042580.D
Acq: 03 Nov 2023 20:59

Tgt Ion:252 Resp: 110872
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 11.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 5.827 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Instrument :

BNA_M

ClientSampleId :

Z-6(5-10)

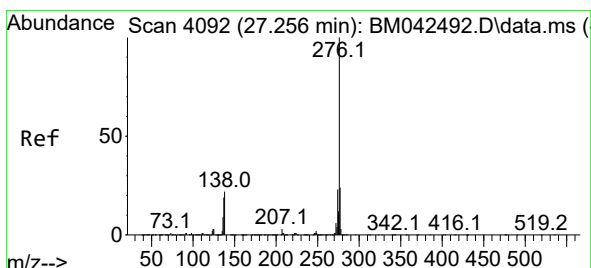
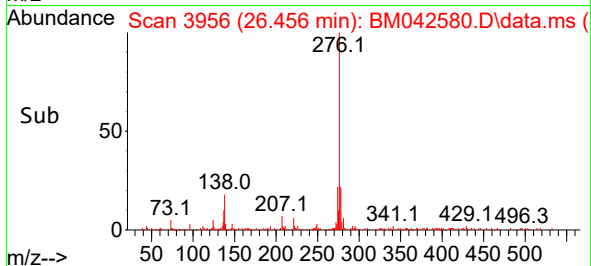
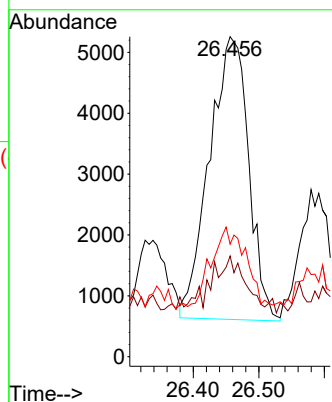
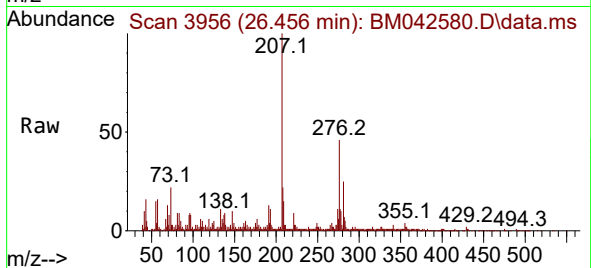
Tgt Ion:278 Resp: 19300

Ion Ratio Lower Upper

278 100

139 31.5 13.4 20.2#

279 35.2 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 8.274 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.000 min

Lab File: BM042580.D

Acq: 03 Nov 2023 20:59

Tgt Ion:276 Resp: 82465

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 16.8 17.3 25.9#

