

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050394.D
 Acq On : 10 Jul 2025 17:58
 Operator : RC/JU
 Sample : Q2543-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-49

Quant Time: Jul 11 01:25:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

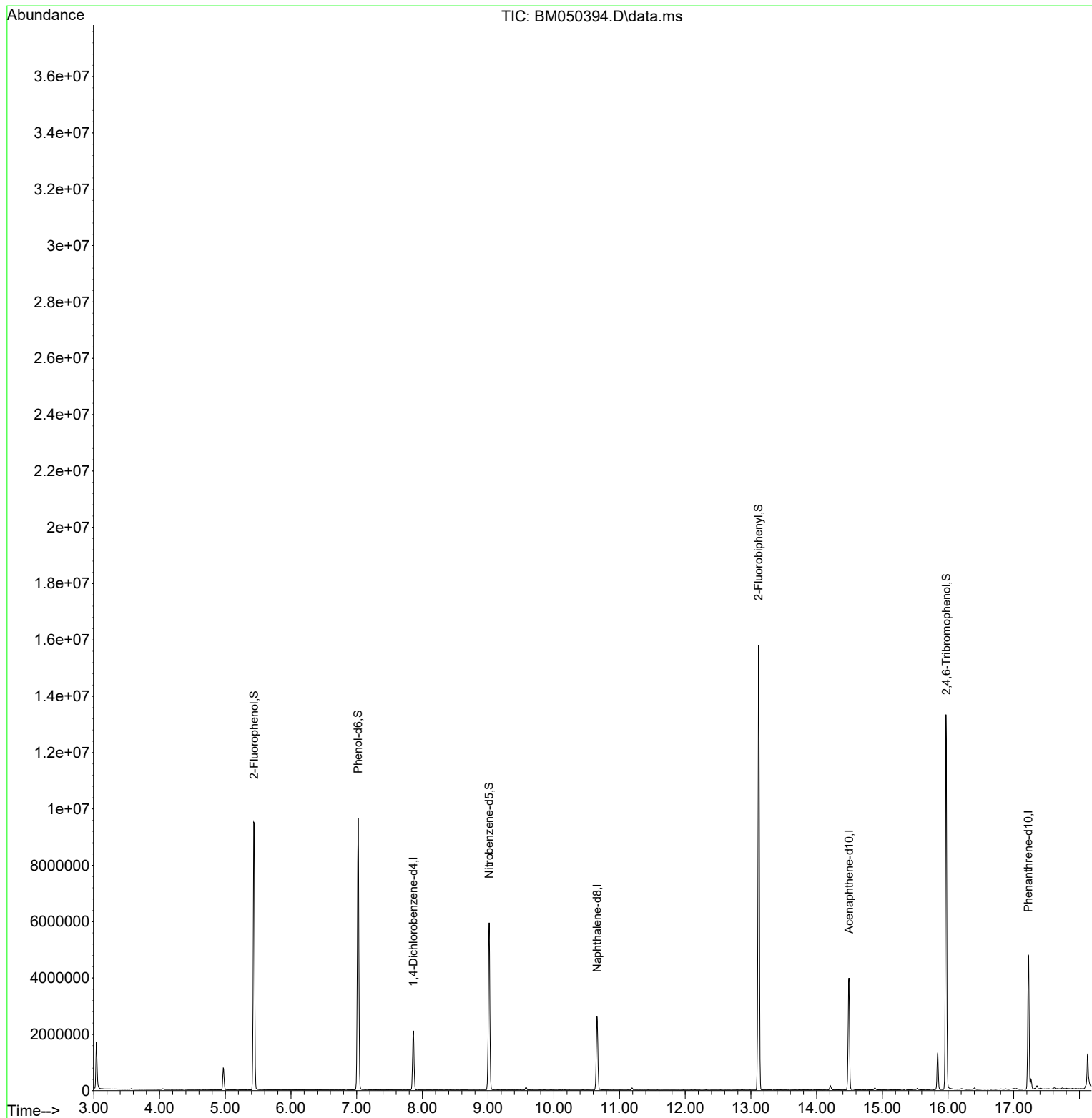
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	577892	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2139763	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1403470	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2861157	20.000	ng	0.00
76) Chrysene-d12	21.450	240	3176116	20.000	ng	0.00
86) Perylene-d12	24.491	264	2913679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	4220540	125.714	ng	0.00
7) Phenol-d6	7.022	99	5401795	127.636	ng	0.00
23) Nitrobenzene-d5	9.016	82	3178574	75.786	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	2480637	145.472	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	8221308	72.340	ng	0.00
79) Terphenyl-d14	19.839	244	12608869	69.849	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.274	202	1223856	6.954	ng	99
78) Pyrene	19.633	202	1111277	5.463	ng	99
81) Benzo(a)anthracene	21.433	228	700934	3.387	ng	95
83) Chrysene	21.492	228	749182m	3.838	ng	
88) Benzo(b)fluoranthene	23.527	252	980799	5.473	ng	98
89) Benzo(k)fluoranthene	23.591	252	382007m	2.054	ng	
90) Benzo(a)pyrene	24.344	252	629576	3.753	ng	100
92) Benzo(g,h,i)perylene	28.985	276	351305	2.131	ng	98

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

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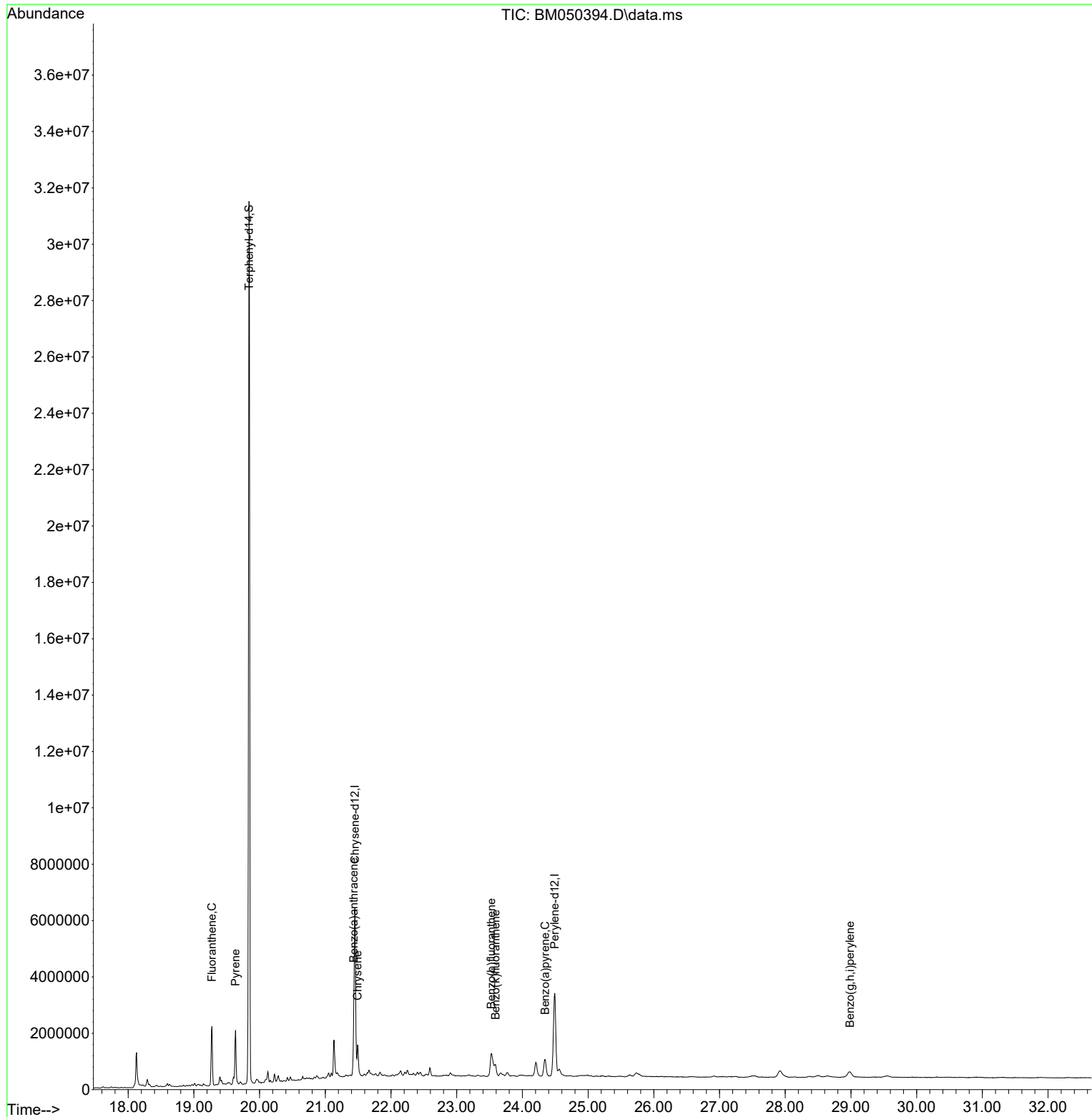
Quant Time: Jul 11 01:25:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

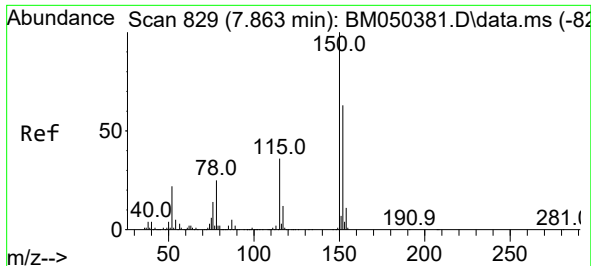


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
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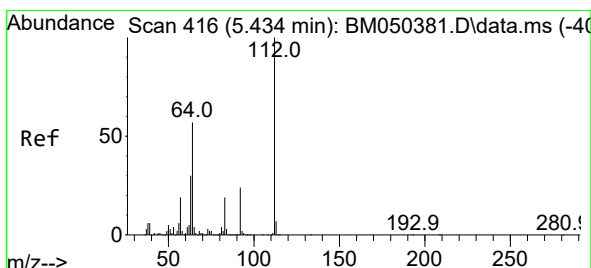
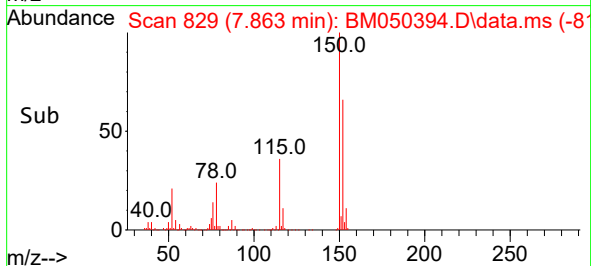
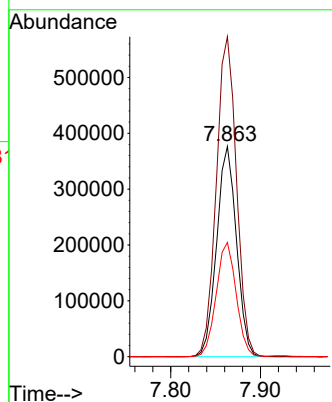
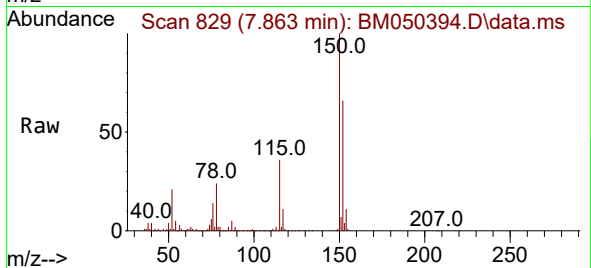




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050394.D
 Acq: 10 Jul 2025 17:58

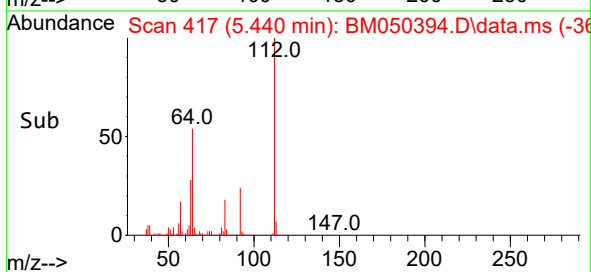
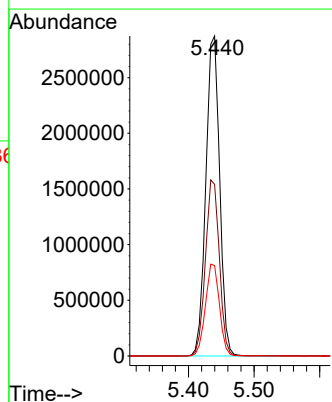
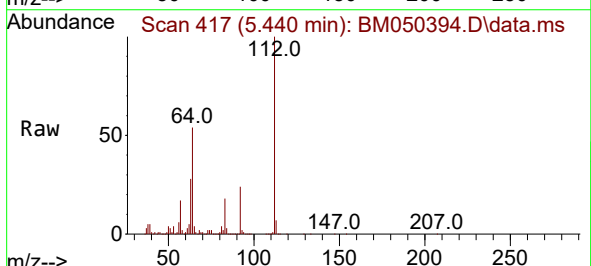
Instrument :
 BNA_M
 ClientSampleId :
 TP-49

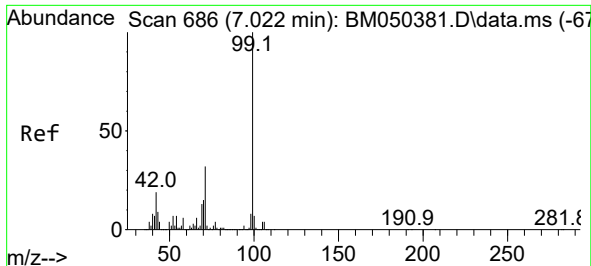
Tgt Ion:152 Resp: 577892
 Ion Ratio Lower Upper
 152 100
 150 152.2 126.2 189.4
 115 54.3 45.8 68.8



#5
 2-Fluorophenol
 Concen: 125.714 ng
 RT: 5.440 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BM050394.D
 Acq: 10 Jul 2025 17:58

Tgt Ion:112 Resp: 4220540
 Ion Ratio Lower Upper
 112 100
 64 53.6 45.5 68.3
 63 28.2 24.2 36.4



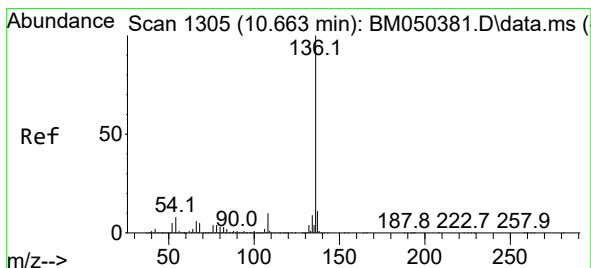
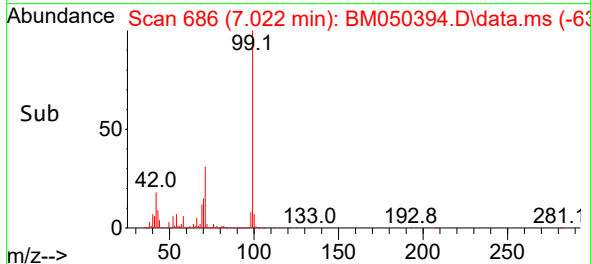
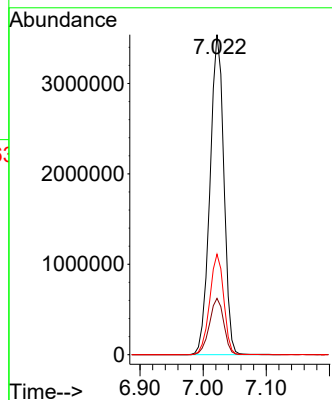
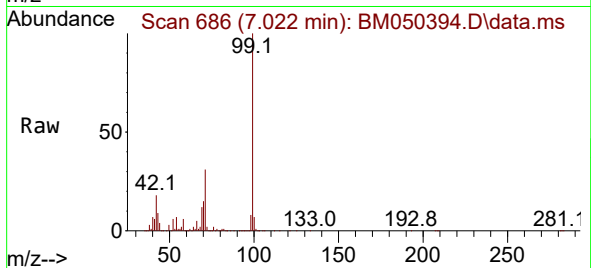


#7
Phenol-d6
Concen: 127.636 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050394.D
Acq: 10 Jul 2025 17:58

Instrument :
BNA_M
ClientSampleId :
TP-49

Tgt Ion: 99 Resp: 5401795

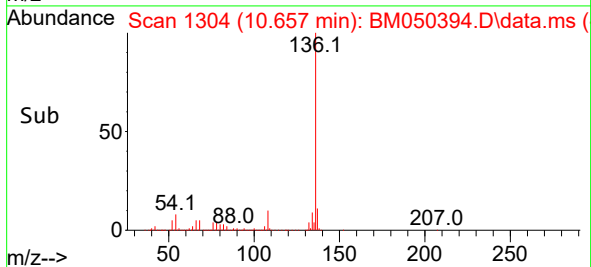
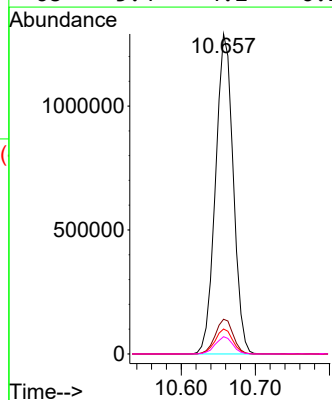
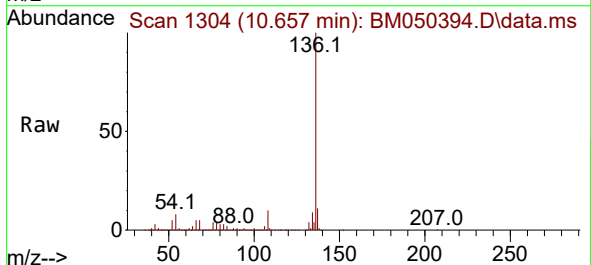
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.0	22.6
71	31.4	25.9	38.9

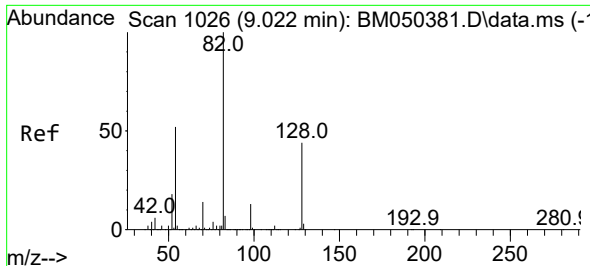


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050394.D
Acq: 10 Jul 2025 17:58

Tgt Ion:136 Resp: 2139763

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	6.3	9.5
68	5.4	4.2	6.2



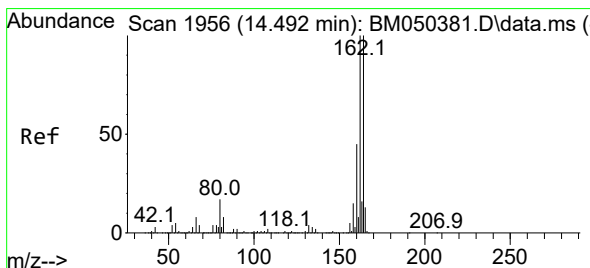
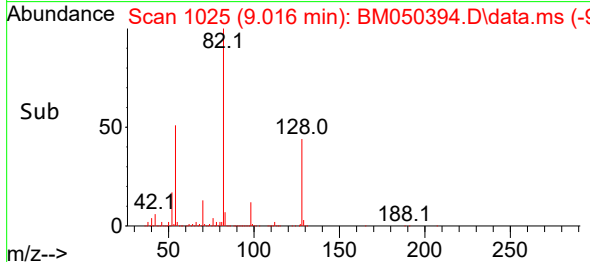
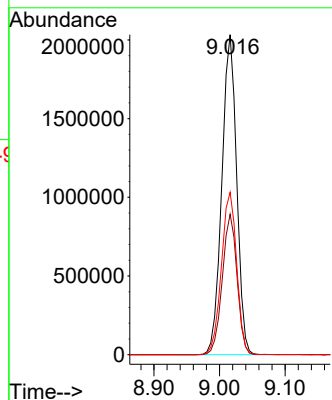
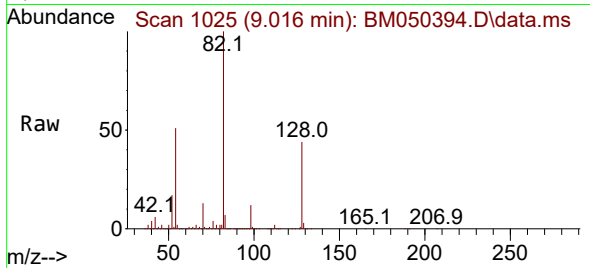


#23
 Nitrobenzene-d5
 Concen: 75.786 ng
 RT: 9.016 min Scan# 1025
 Delta R.T. -0.006 min
 Lab File: BM050394.D
 Acq: 10 Jul 2025 17:58

Instrument :
 BNA_M
 ClientSampleId :
 TP-49

Tgt Ion: 82 Resp: 3178574

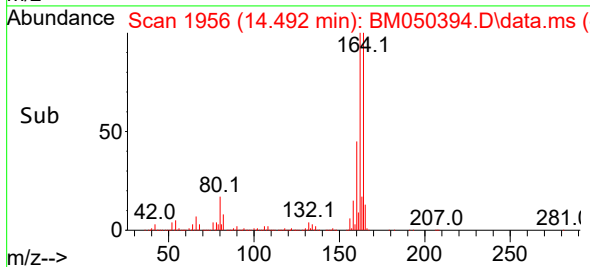
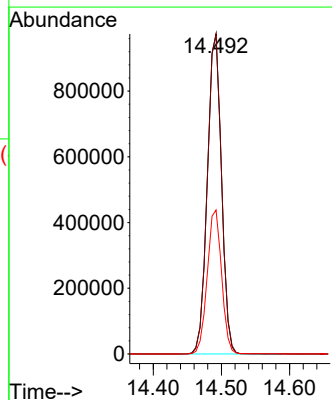
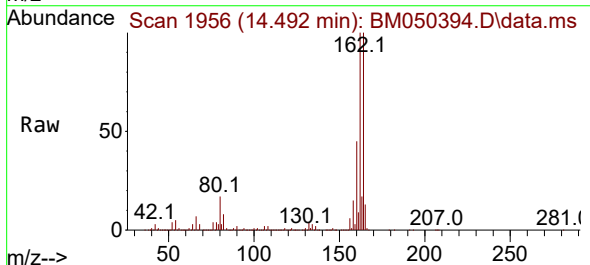
Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.2	52.8
54	50.8	41.5	62.3

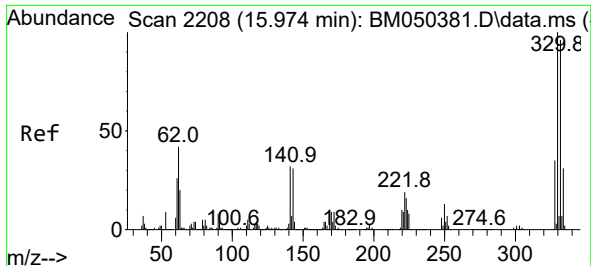


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.492 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: BM050394.D
 Acq: 10 Jul 2025 17:58

Tgt Ion: 164 Resp: 1403470

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.9	119.9
160	45.0	36.2	54.4

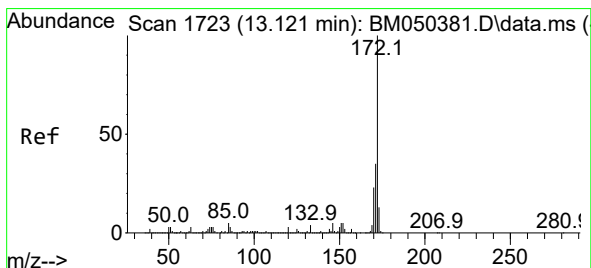
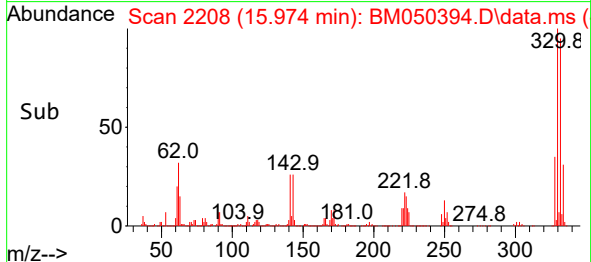
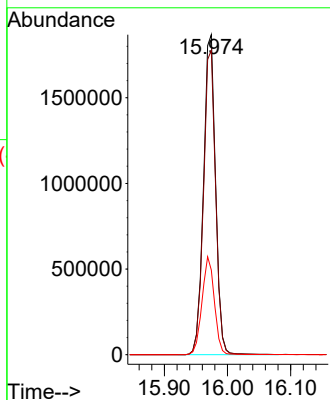
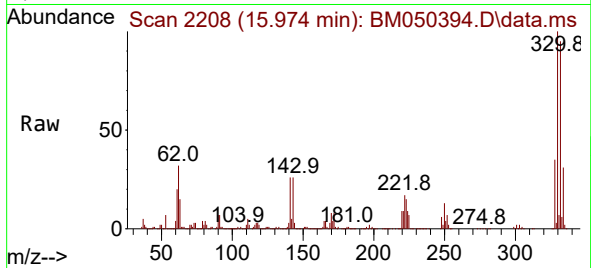




#42
2,4,6-Tribromophenol
Concen: 145.472 ng
RT: 15.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050394.D
Acq: 10 Jul 2025 17:58

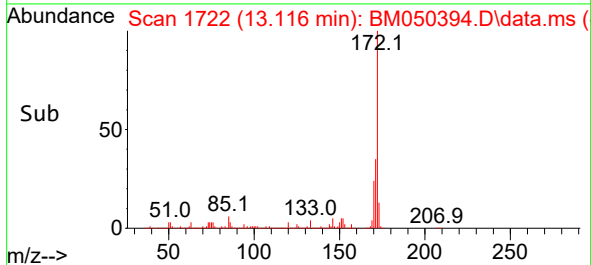
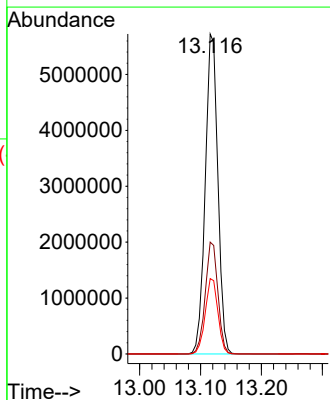
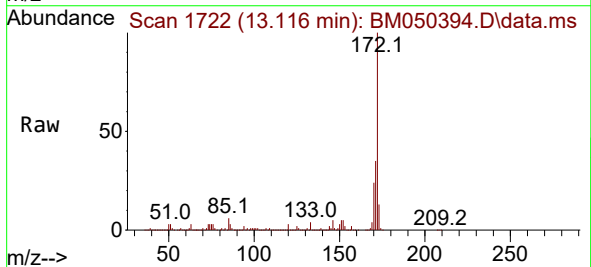
Instrument :
BNA_M
ClientSampleId :
TP-49

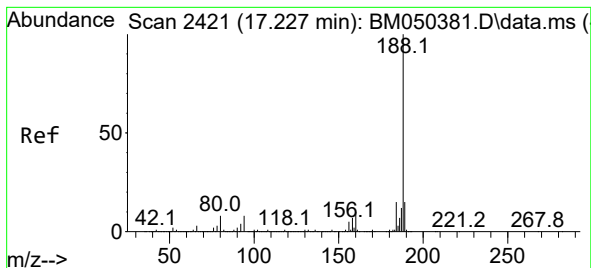
Tgt Ion:330 Resp: 2480637
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 31.5 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 72.340 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050394.D
Acq: 10 Jul 2025 17:58

Tgt Ion:172 Resp: 8221308
Ion Ratio Lower Upper
172 100
171 35.0 27.7 41.5
170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

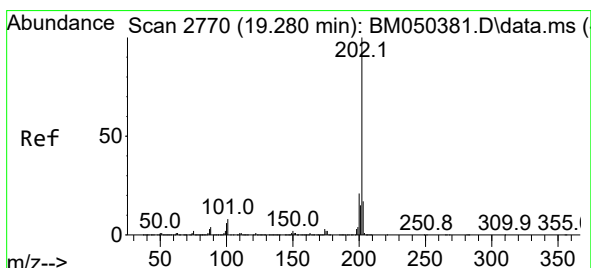
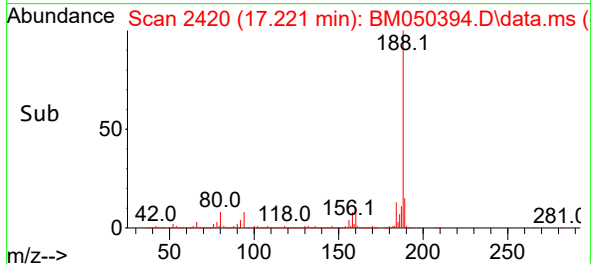
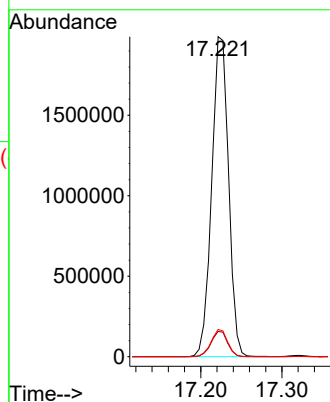
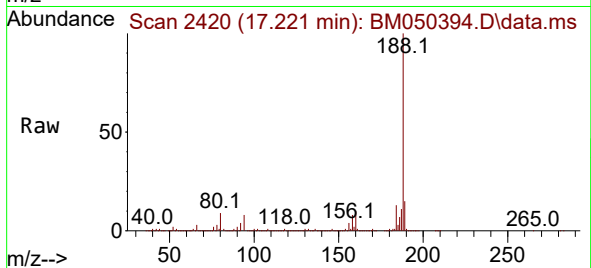
Tgt Ion:188 Resp: 2861157

Ion Ratio Lower Upper

188 100

94 7.9 6.0 9.0

80 8.5 6.5 9.7



#75

Fluoranthene

Concen: 6.954 ng

RT: 19.274 min Scan# 2769

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

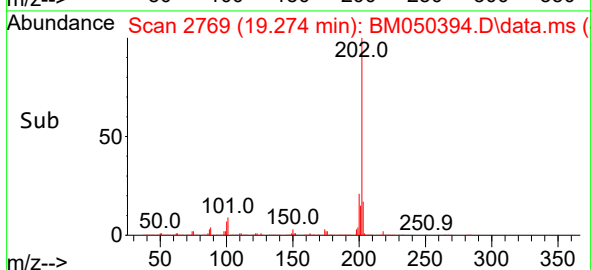
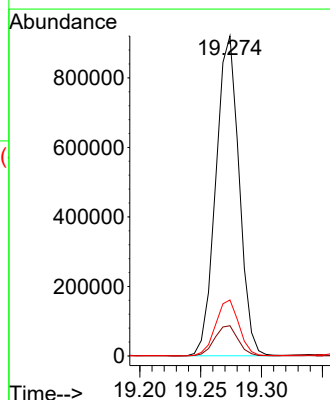
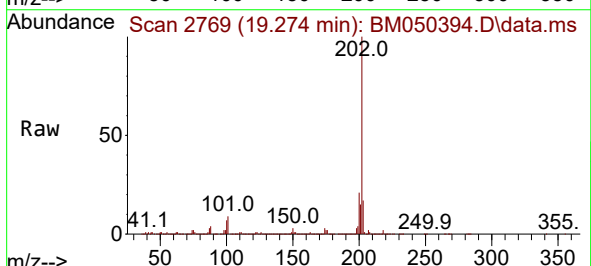
Tgt Ion:202 Resp: 1223856

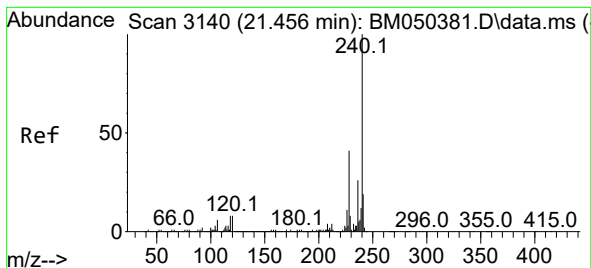
Ion Ratio Lower Upper

202 100

101 9.4 0.0 28.3

203 17.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

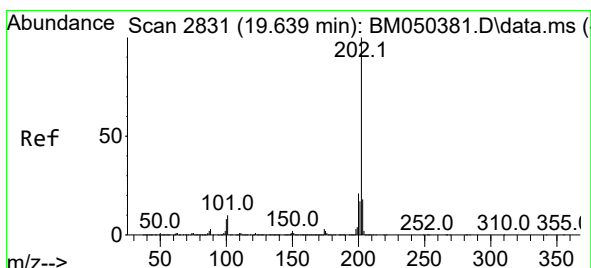
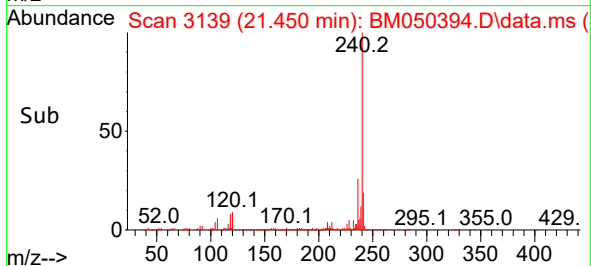
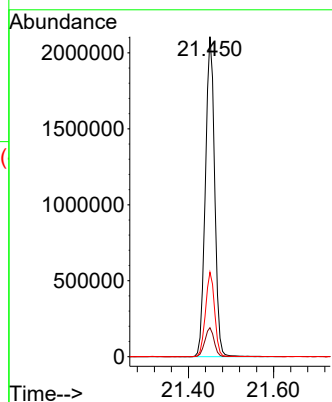
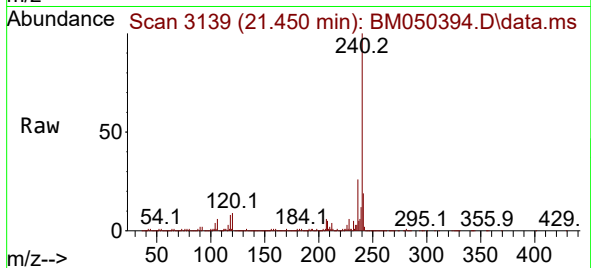
Tgt Ion:240 Resp: 3176116

Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

236 26.4 20.7 31.1



#78

Pyrene

Concen: 5.463 ng

RT: 19.633 min Scan# 2830

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

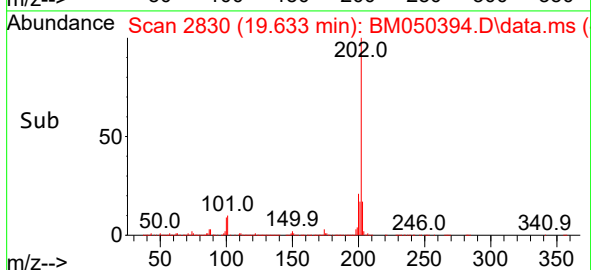
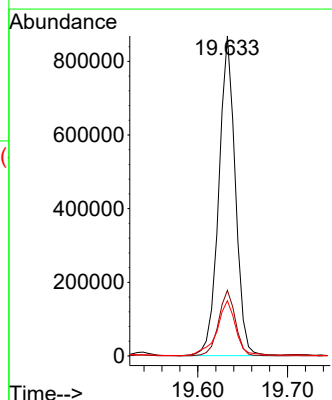
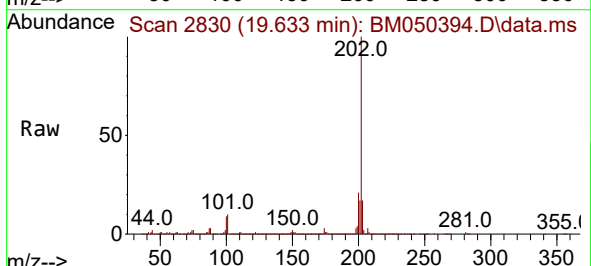
Tgt Ion:202 Resp: 1111277

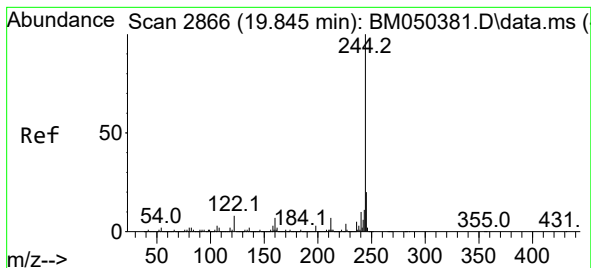
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 69.849 ng

RT: 19.839 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

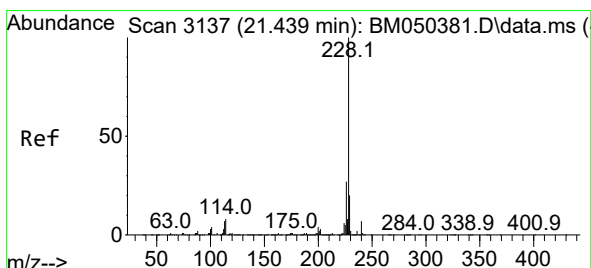
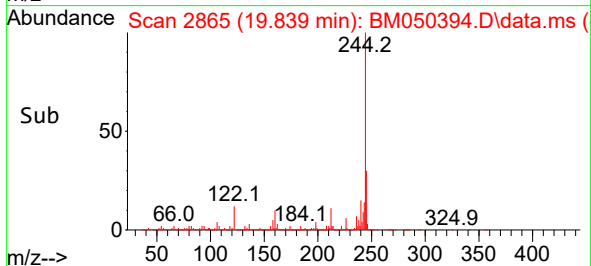
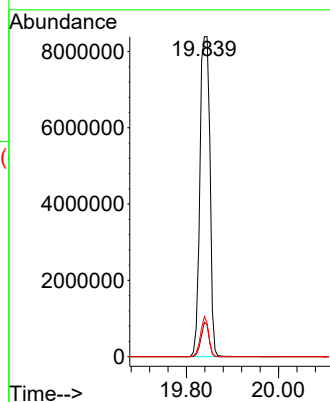
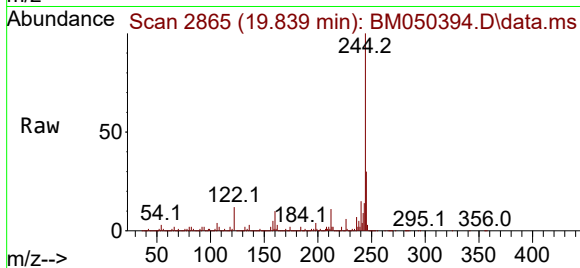
Tgt Ion:244 Resp:12608869

Ion Ratio Lower Upper

244 100

212 10.7 5.7 8.5#

122 12.5 6.2 9.2#



#81

Benzo(a)anthracene

Concen: 3.387 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

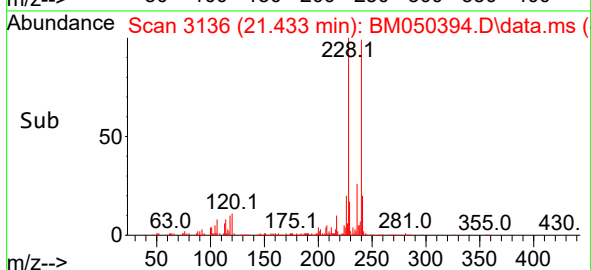
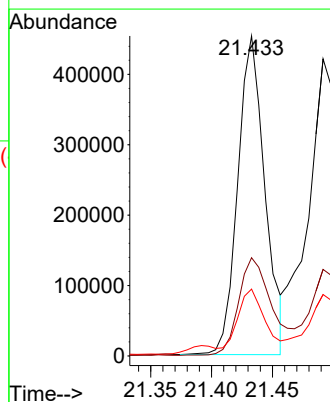
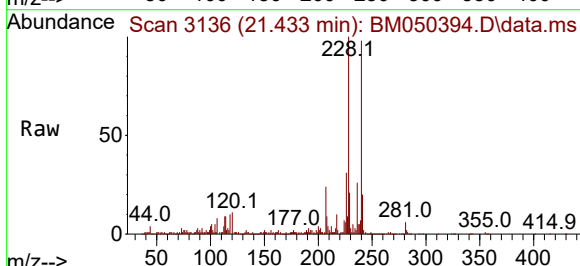
Tgt Ion:228 Resp: 700934

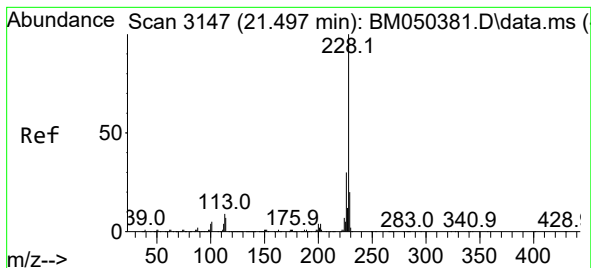
Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.8

229 20.9 16.0 24.0





#83

Chrysene

Concen: 3.838 ng m

RT: 21.492 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

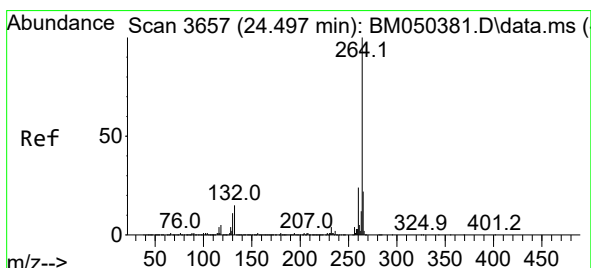
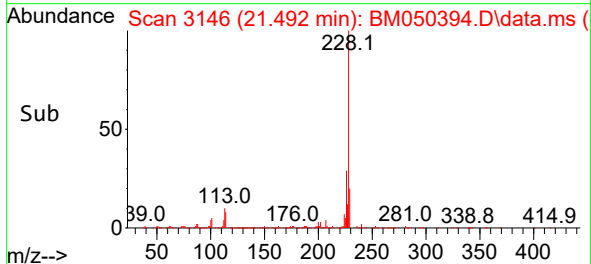
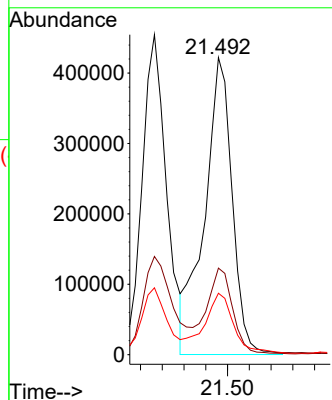
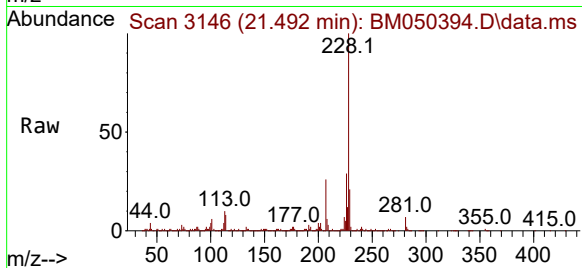
Tgt Ion:228 Resp: 749182

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.4

229 20.7 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.491 min Scan# 3656

Delta R.T. -0.006 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

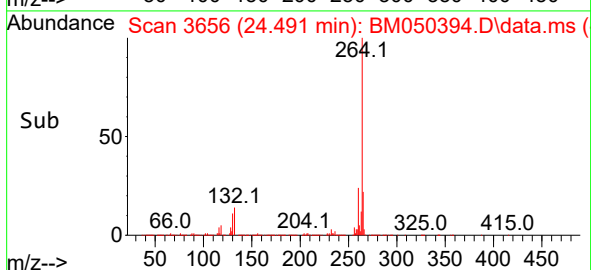
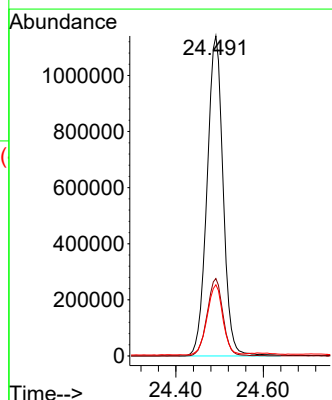
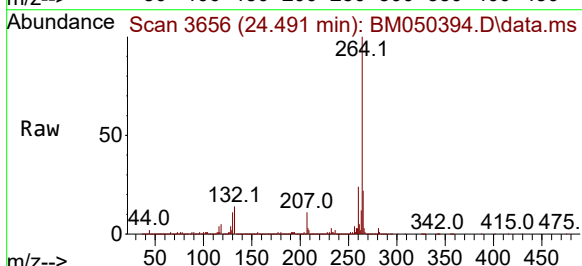
Tgt Ion:264 Resp: 2913679

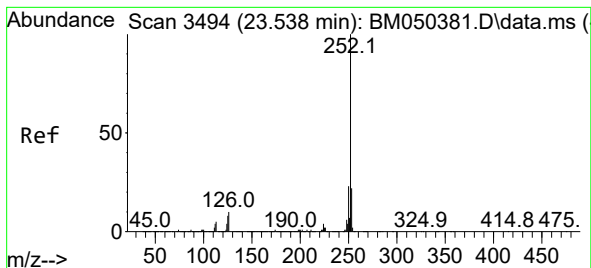
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.3 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 5.473 ng

RT: 23.527 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

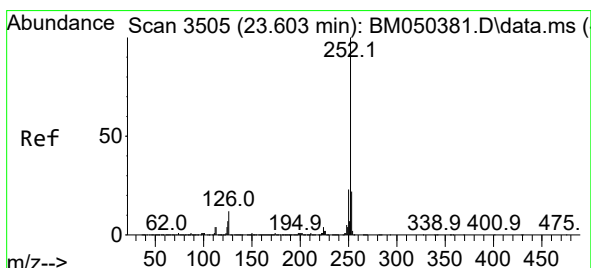
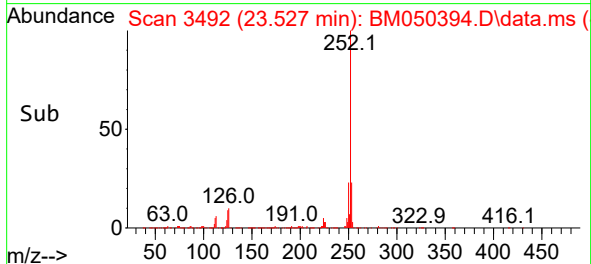
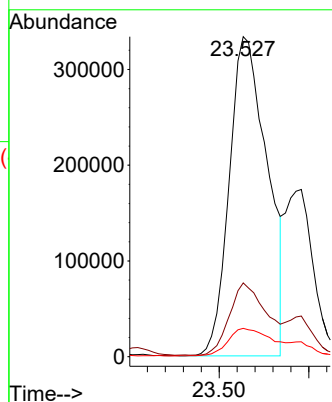
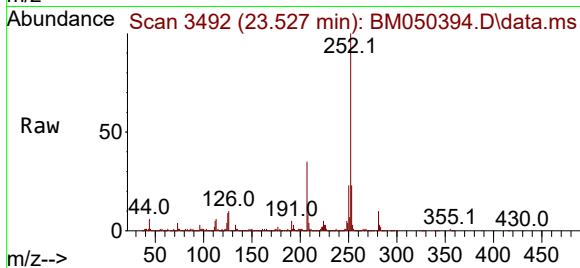
Tgt Ion:252 Resp: 980799

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 8.8 6.3 9.5



#89

Benzo(k)fluoranthene

Concen: 2.054 ng m

RT: 23.591 min Scan# 3503

Delta R.T. -0.012 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

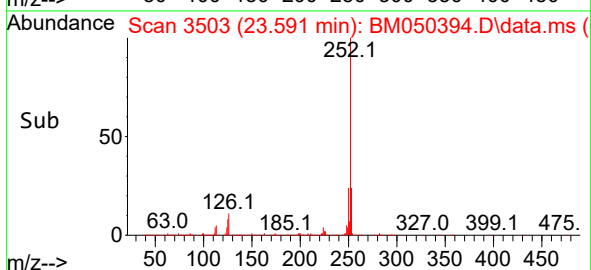
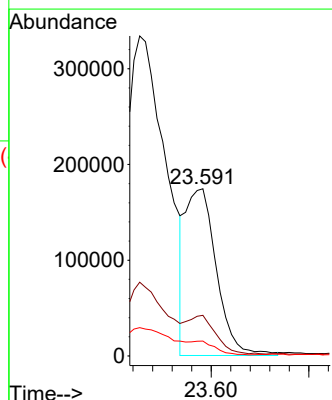
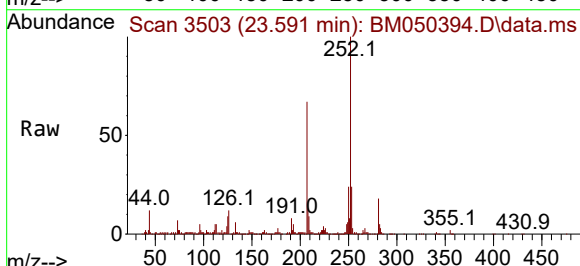
Tgt Ion:252 Resp: 382007

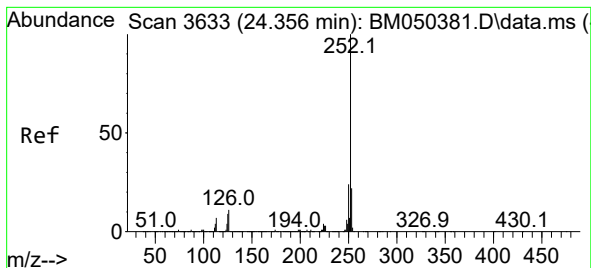
Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 8.9 6.2 9.2





#90

Benzo(a)pyrene

Concen: 3.753 ng

RT: 24.344 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Instrument :

BNA_M

ClientSampleId :

TP-49

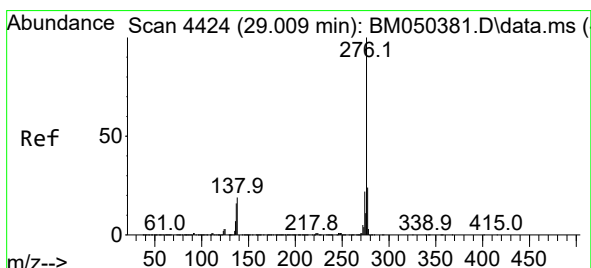
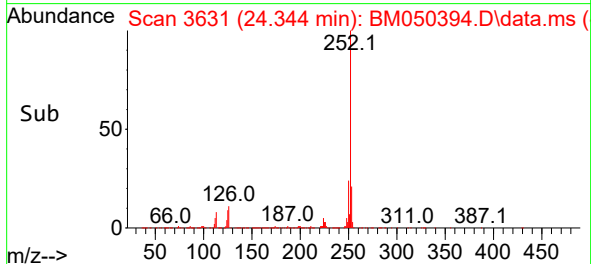
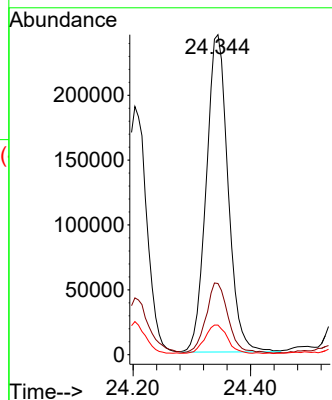
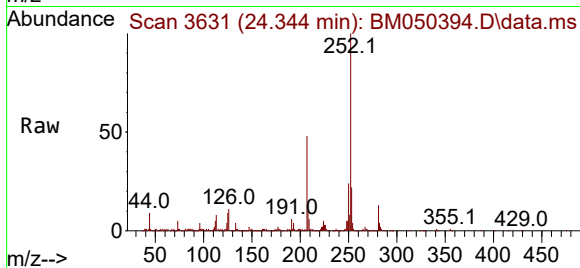
Tgt Ion:252 Resp: 629576

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.3 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.131 ng

RT: 28.985 min Scan# 4420

Delta R.T. -0.023 min

Lab File: BM050394.D

Acq: 10 Jul 2025 17:58

Tgt Ion:276 Resp: 351305

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 19.9 14.9 22.3

