

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM050001.D
 Acq On : 22 Apr 2025 18:26
 Operator : RC/JU
 Sample : Q1841-02 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-231

Quant Time: Apr 23 01:14:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

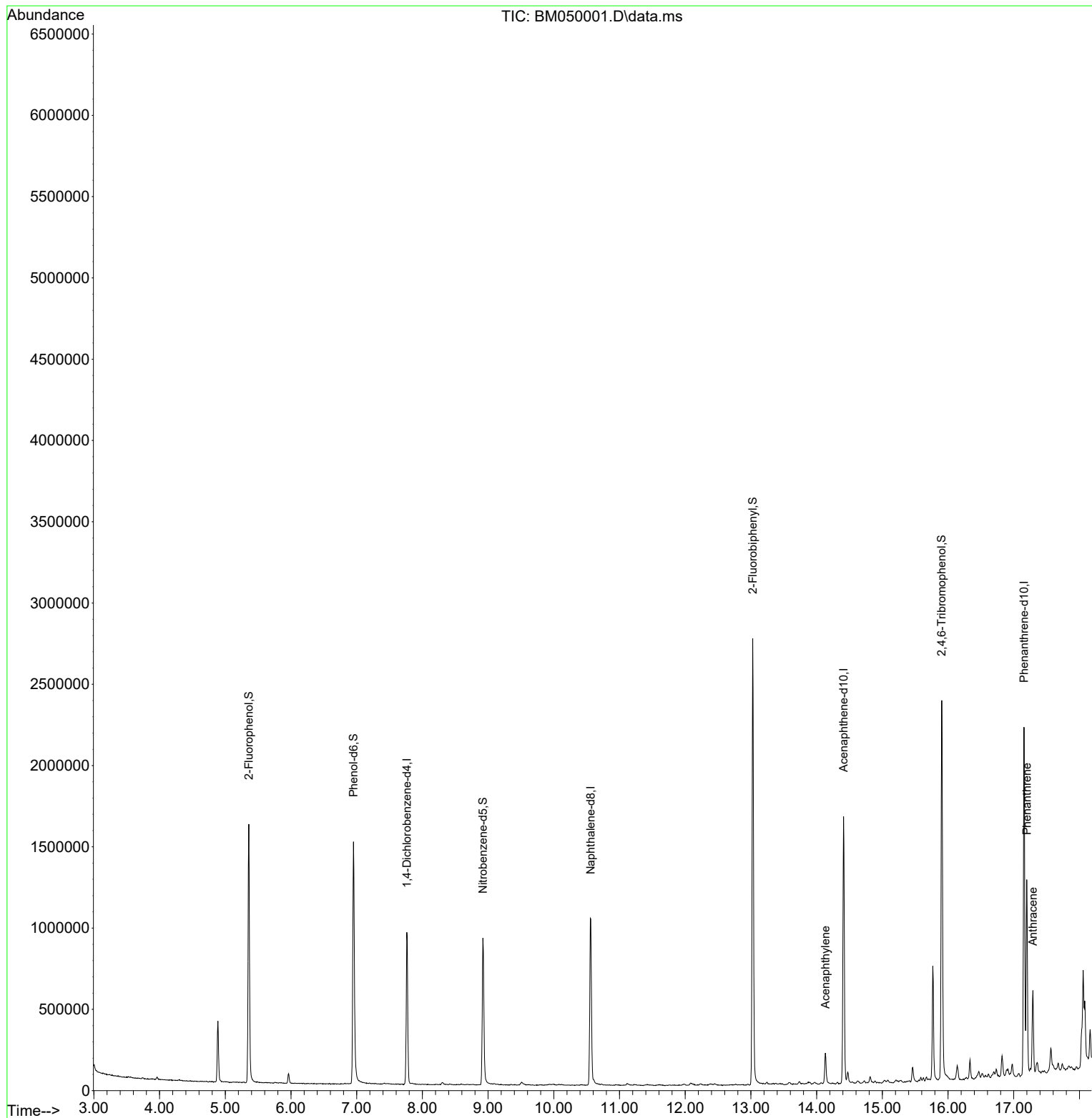
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	273555	20.000	ng	-0.02
21) Naphthalene-d8	10.563	136	949895	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	628616	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1256519	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1233964	20.000	ng	0.00
86) Perylene-d12	24.403	264	1265403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	751304	46.637	ng	0.00
7) Phenol-d6	6.951	99	1008957	50.338	ng	0.00
23) Nitrobenzene-d5	8.922	82	572680	33.572	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	508718	55.637	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1553346	33.508	ng	-0.02
79) Terphenyl-d14	19.780	244	2289627	34.773	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.133	152	153648	2.872	ng	97
71) Phenanthrene	17.198	178	750108	10.889	ng	100
72) Anthracene	17.292	178	345889	5.095	ng	99
75) Fluoranthene	19.221	202	2990794	35.310	ng	98
78) Pyrene	19.580	202	2639296	31.035	ng	99
81) Benzo(a)anthracene	21.380	228	1614045	19.681	ng	98
83) Chrysene	21.444	228	1729505	22.183	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	97691	2.098	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	1105015	11.715	ng	97
88) Benzo(b)fluoranthene	23.462	252	2614535	32.352	ng	99
89) Benzo(k)fluoranthene	23.515	252	840107m	10.727	ng	
90) Benzo(a)pyrene	24.262	252	1590330	22.394	ng	100
91) Dibenzo(a,h)anthracene	27.826	278	292686	3.767	ng	94
92) Benzo(g,h,i)perylene	28.850	276	1040455	13.105	ng	99

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

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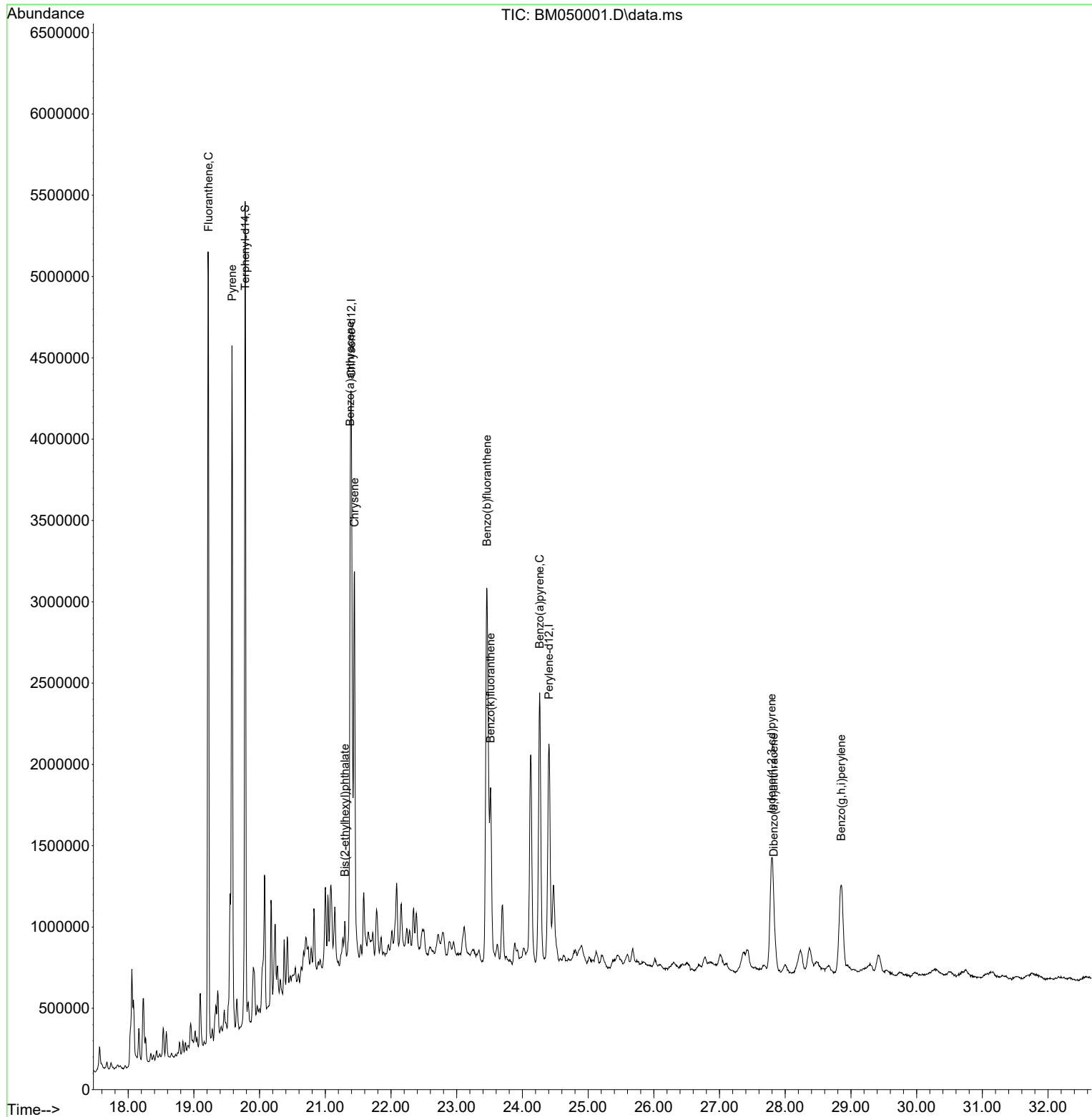
Quant Time: Apr 23 01:14:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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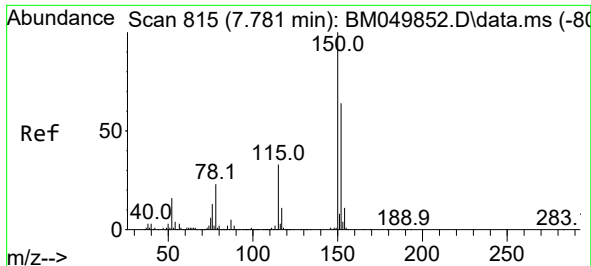


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
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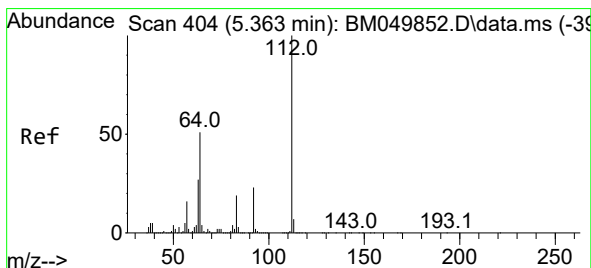
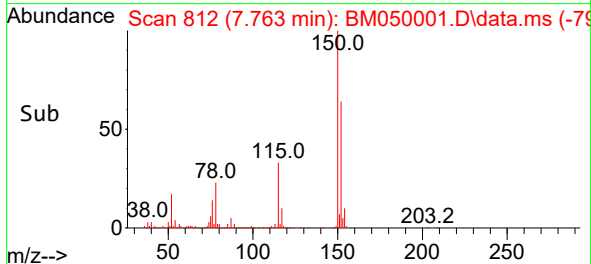
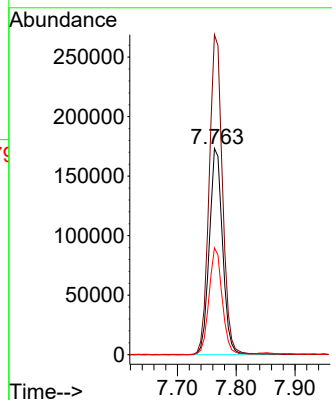
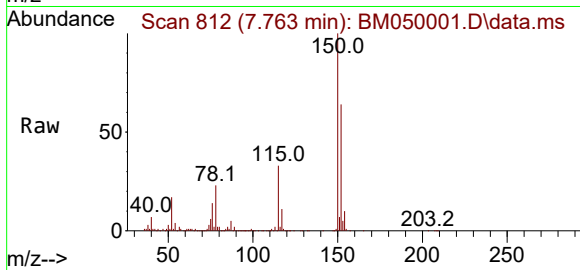




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

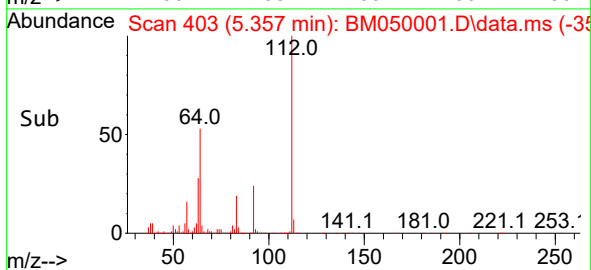
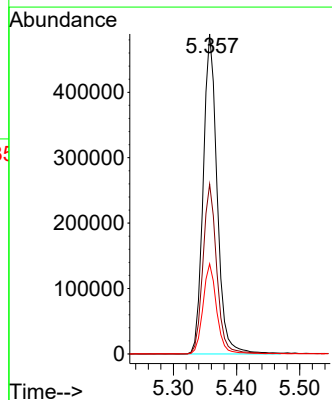
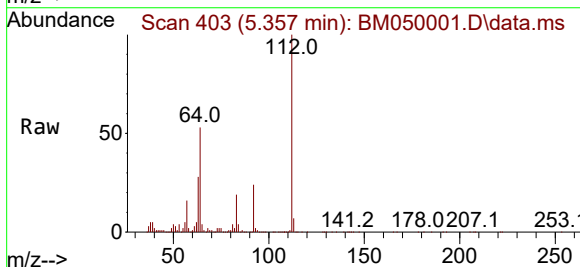
Instrument :
BNA_M
ClientSampleId :
VNJ-231

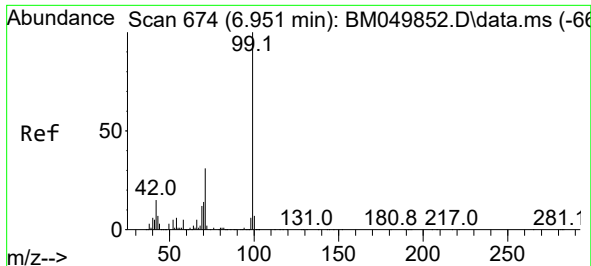
Tgt Ion:152 Resp: 273555
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 51.7 41.1 61.7



#5
2-Fluorophenol
Concen: 46.637 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion:112 Resp: 751304
Ion Ratio Lower Upper
112 100
64 53.0 41.0 61.6
63 28.1 21.5 32.3



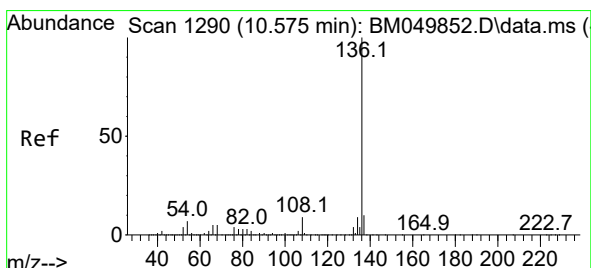
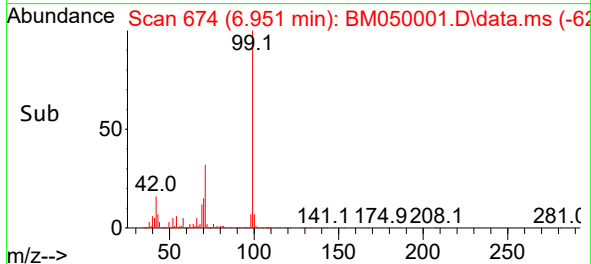
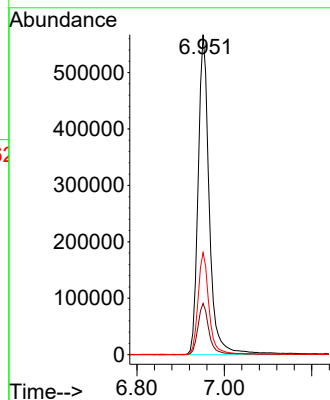
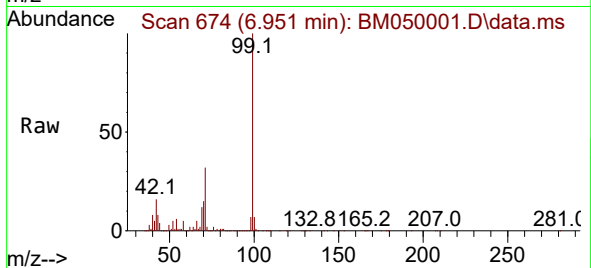


#7
Phenol-d6
Concen: 50.338 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Instrument :
BNA_M
ClientSampleId :
VNJ-231

Tgt Ion: 99 Resp: 1008957

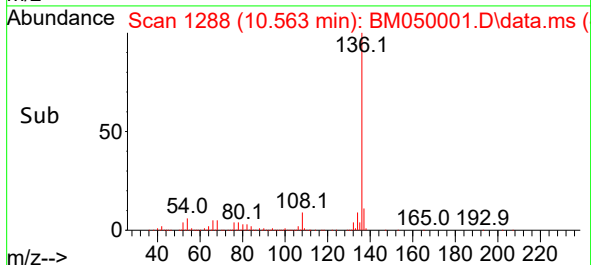
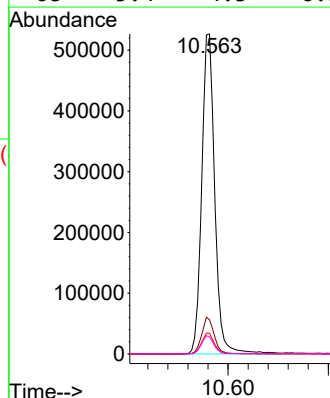
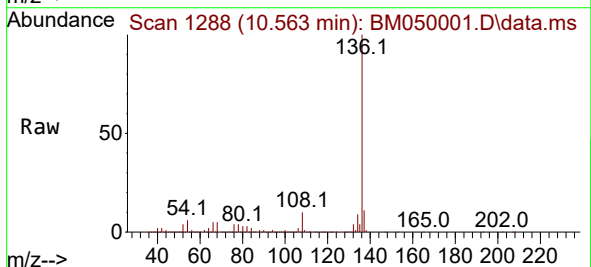
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.1	18.1
71	31.9	24.9	37.3

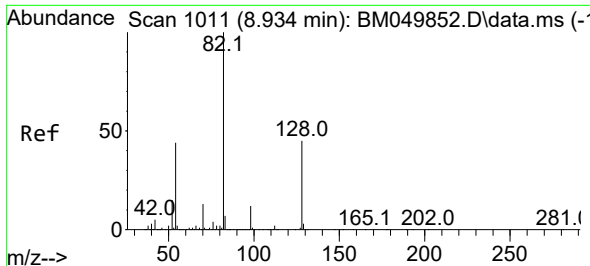


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion: 136 Resp: 949895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.5	5.3	7.9
68	5.4	4.3	6.5

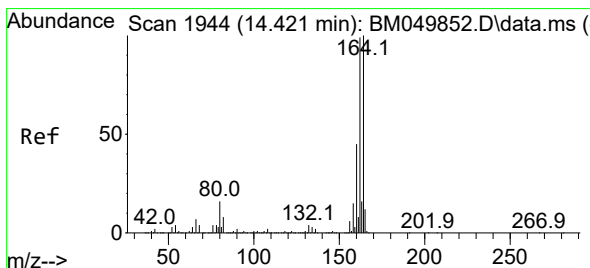
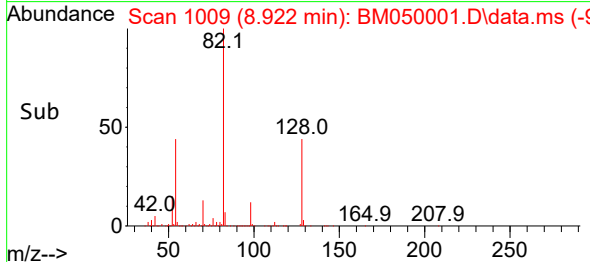
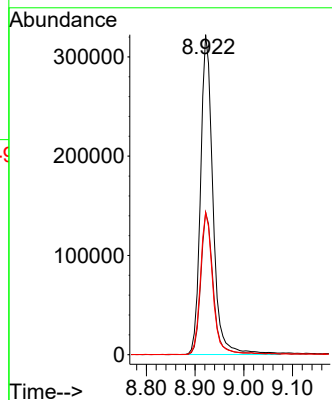
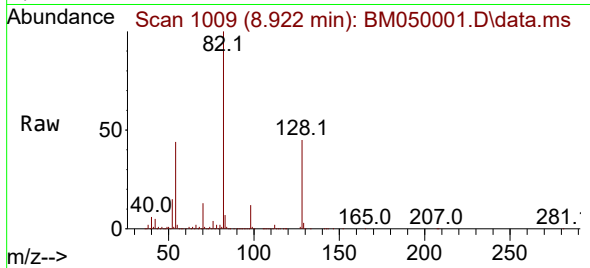




#23
 Nitrobenzene-d5
 Concen: 33.572 ng
 RT: 8.922 min Scan# 1009
 Delta R.T. -0.012 min
 Lab File: BM050001.D
 Acq: 22 Apr 2025 18:26

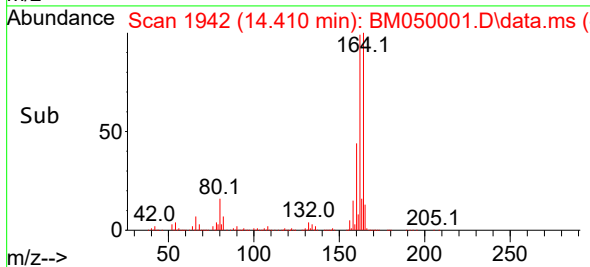
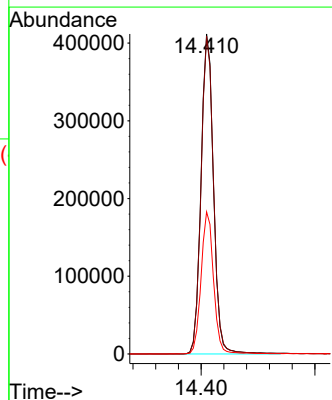
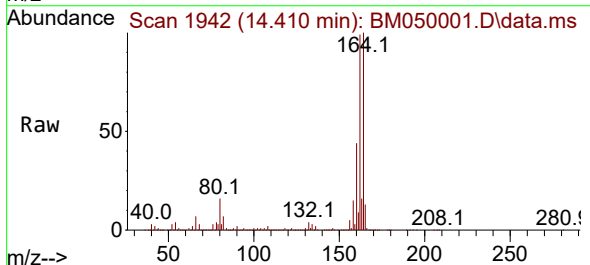
Instrument :
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 ClientSampleId :
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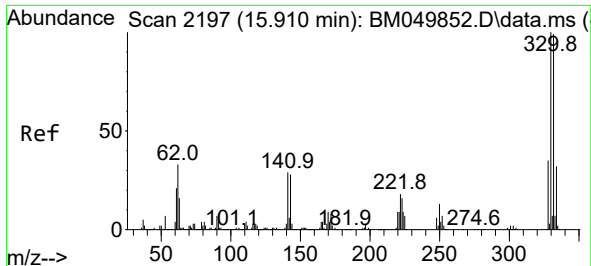
Tgt Ion: 82 Resp: 572680
 Ion Ratio Lower Upper
 82 100
 128 44.5 36.2 54.2
 54 44.4 35.0 52.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.410 min Scan# 1942
 Delta R.T. -0.012 min
 Lab File: BM050001.D
 Acq: 22 Apr 2025 18:26

Tgt Ion: 164 Resp: 628616
 Ion Ratio Lower Upper
 164 100
 162 99.3 79.4 119.0
 160 44.4 36.2 54.2

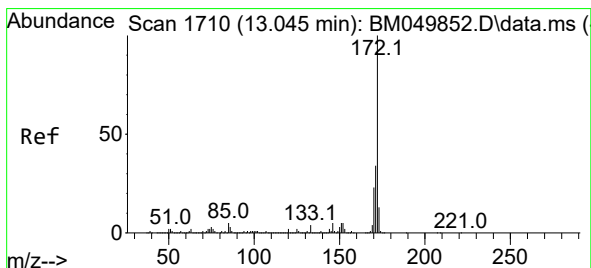
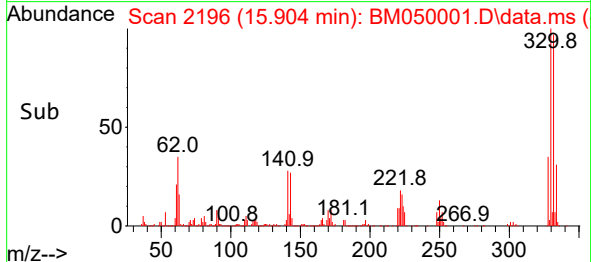
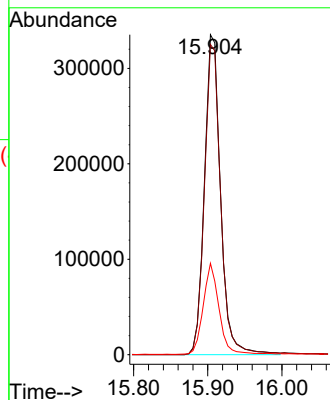
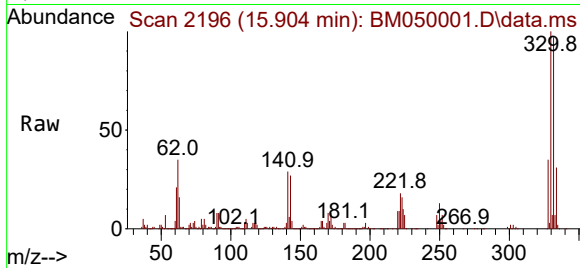




#42
2,4,6-Tribromophenol
Concen: 55.637 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

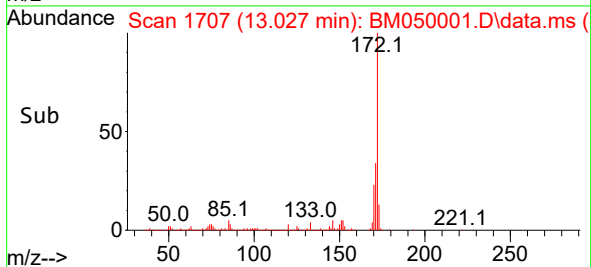
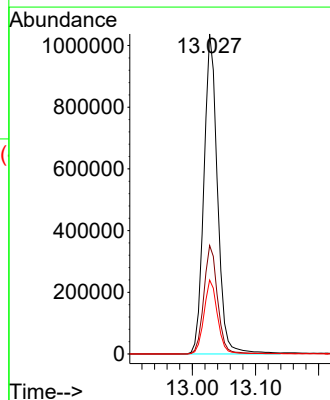
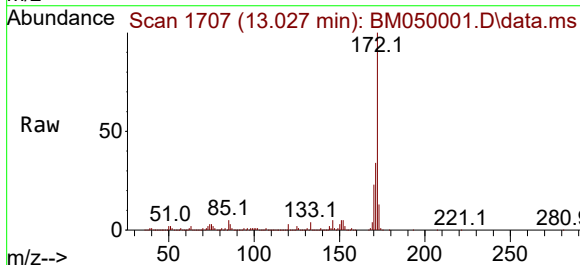
Instrument :
BNA_M
ClientSampleId :
VNJ-231

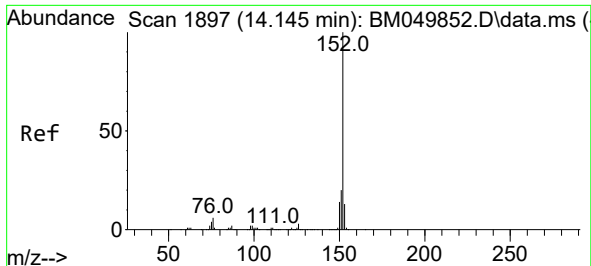
Tgt Ion:330 Resp: 508718
Ion Ratio Lower Upper
330 100
332 98.4 78.0 117.0
141 28.1 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 33.508 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion:172 Resp: 1553346
Ion Ratio Lower Upper
172 100
171 33.9 27.4 41.2
170 23.1 18.6 28.0

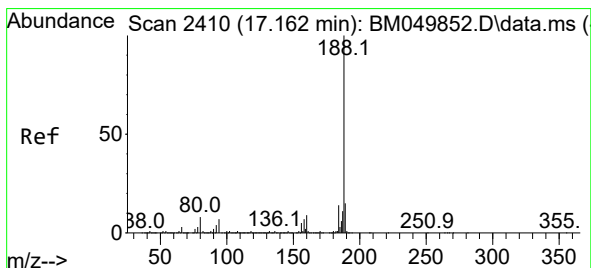
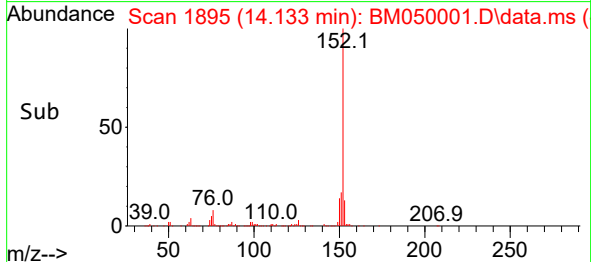
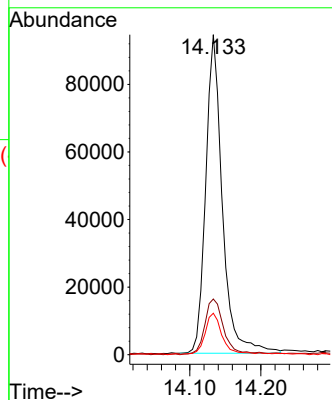
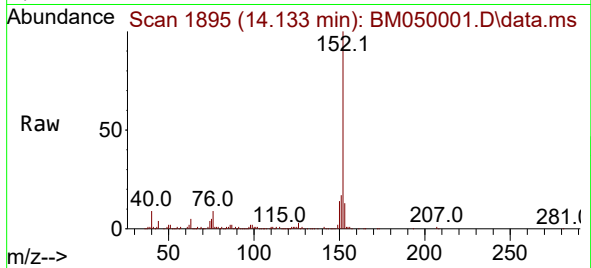




#49
Acenaphthylene
Concen: 2.872 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

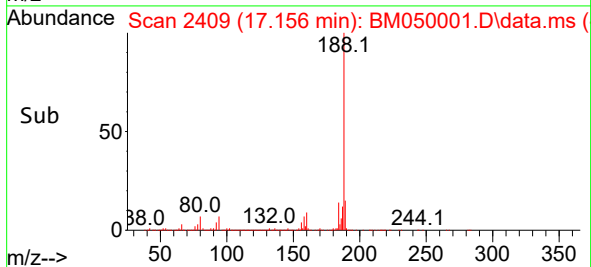
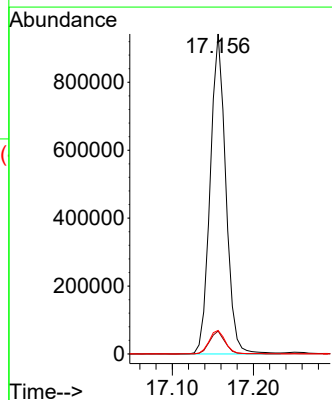
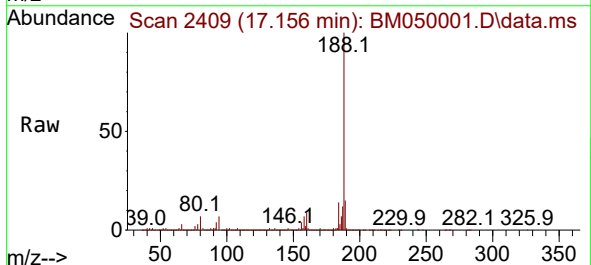
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VNJ-231

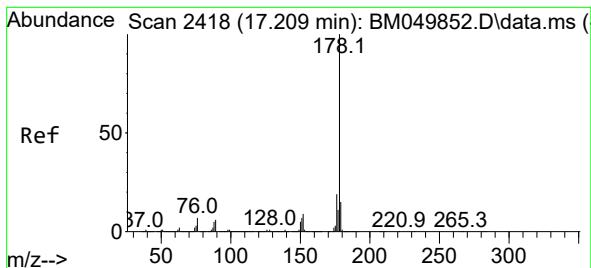
Tgt Ion:152 Resp: 153648
Ion Ratio Lower Upper
152 100
151 17.4 15.7 23.5
153 13.0 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion:188 Resp: 1256519
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.3 6.4 9.6





#71

Phenanthrene

Concen: 10.889 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Instrument :

BNA_M

ClientSampleId :

VNJ-231

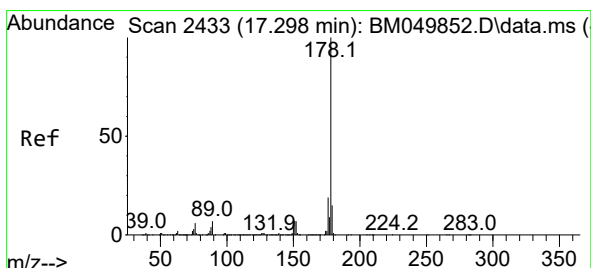
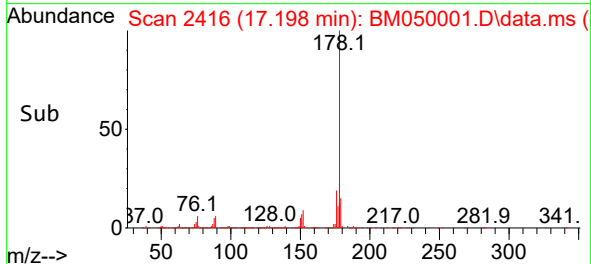
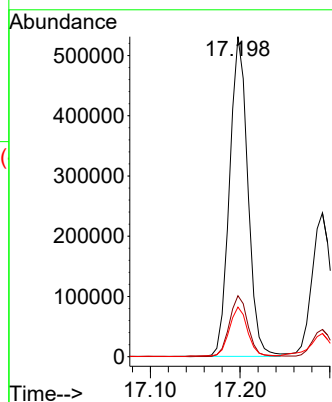
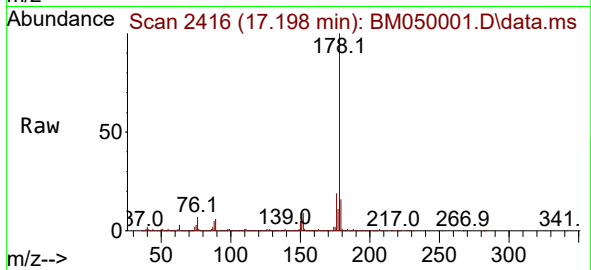
Tgt Ion:178 Resp: 750108

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.3 18.5



#72

Anthracene

Concen: 5.095 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

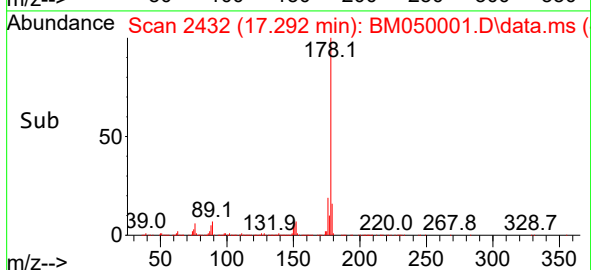
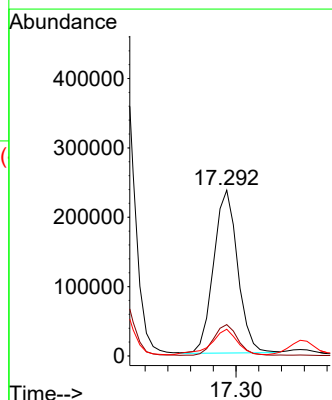
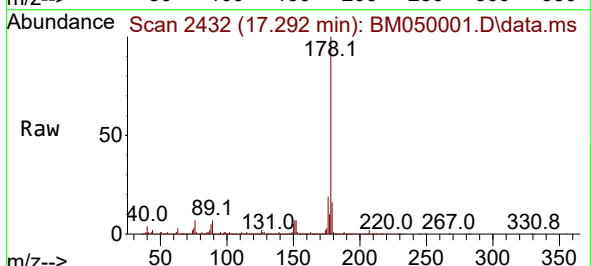
Tgt Ion:178 Resp: 345889

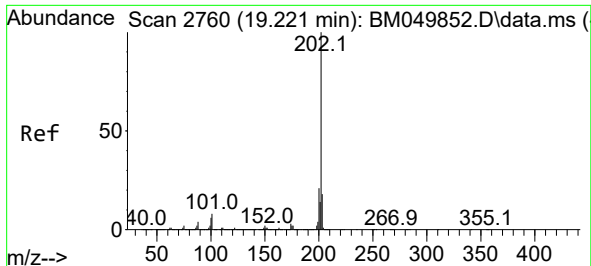
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 16.1 12.4 18.6

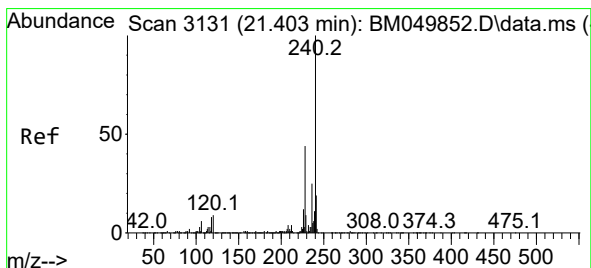
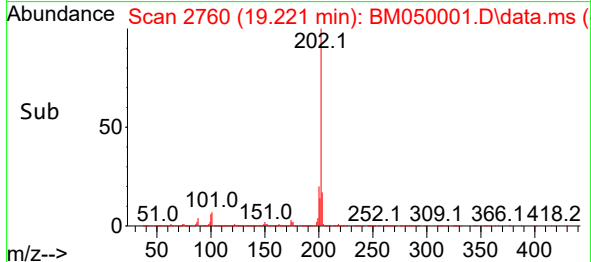
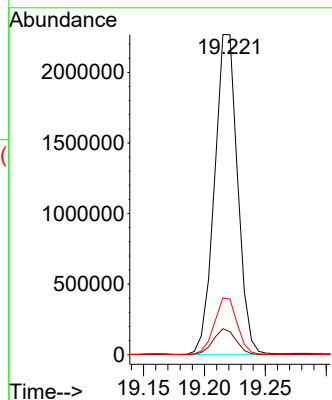
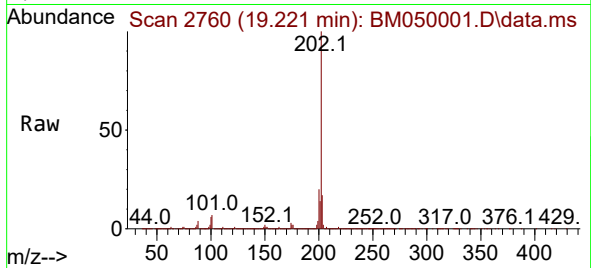




#75
Fluoranthene
Concen: 35.310 ng
RT: 19.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

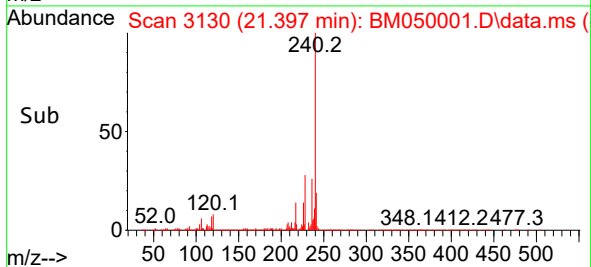
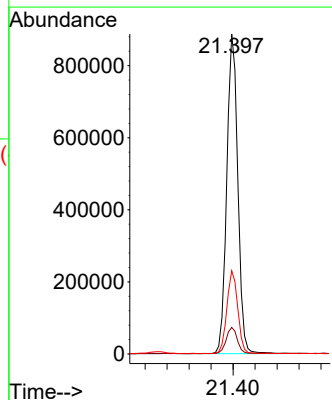
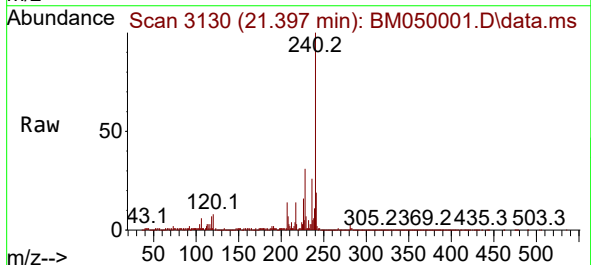
Instrument :
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VNJ-231

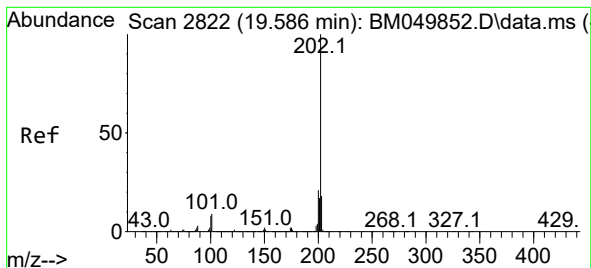
Tgt Ion:202 Resp: 2990794
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.4
203 17.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion:240 Resp: 1233964
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 26.0 20.4 30.6





#78

Pyrene

Concen: 31.035 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Instrument :

BNA_M

ClientSampleId :

VNJ-231

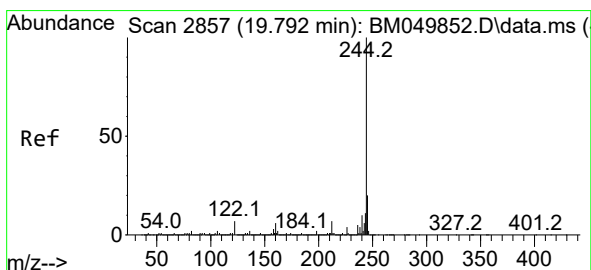
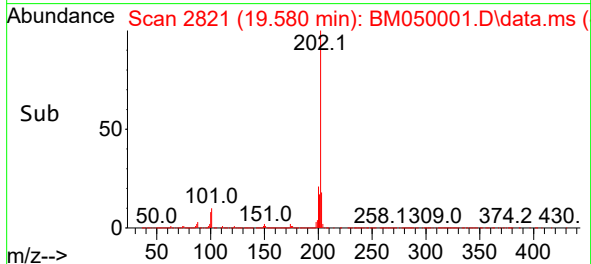
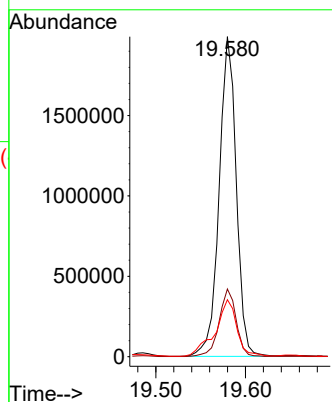
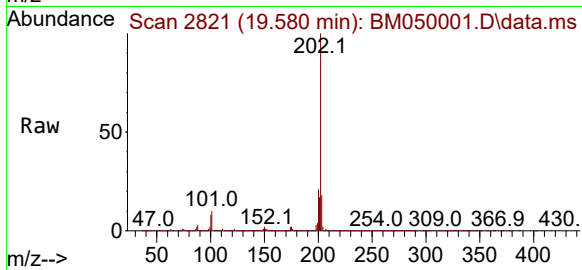
Tgt Ion:202 Resp: 2639296

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 34.773 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

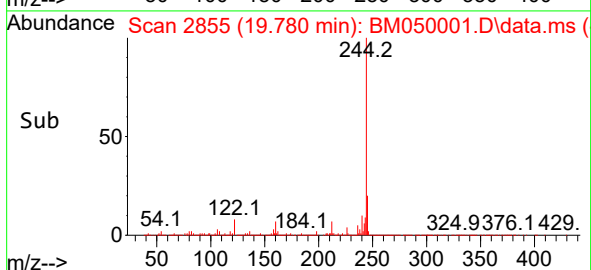
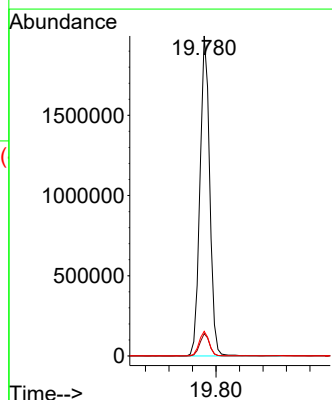
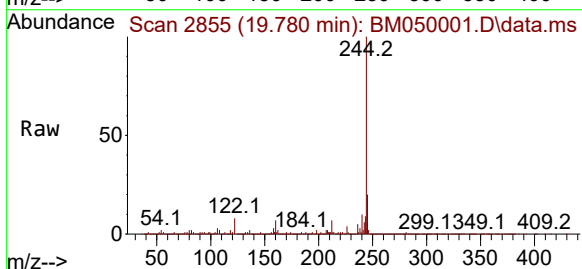
Tgt Ion:244 Resp: 2289627

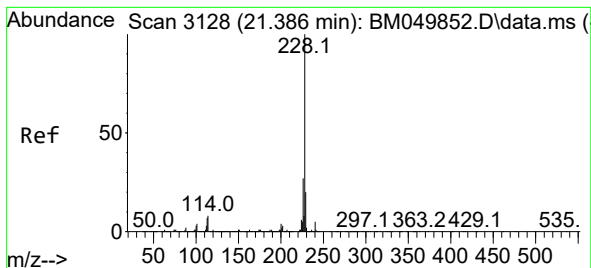
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 7.7 5.4 8.0





#81

Benzo(a)anthracene

Concen: 19.681 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Instrument :

BNA_M

ClientSampleId :

VNJ-231

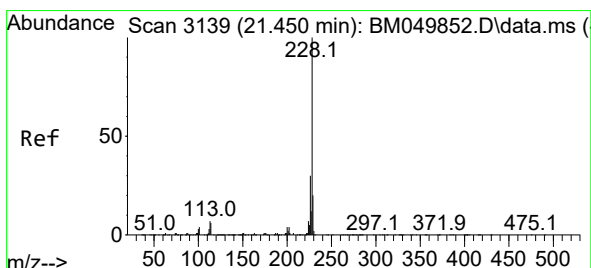
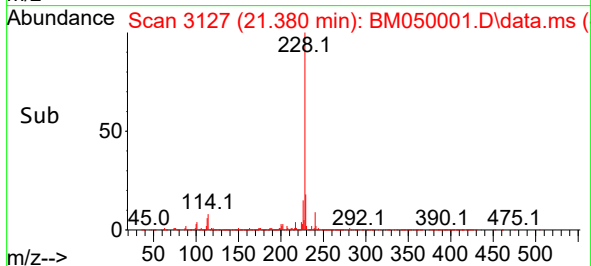
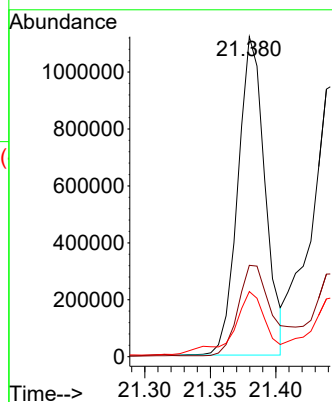
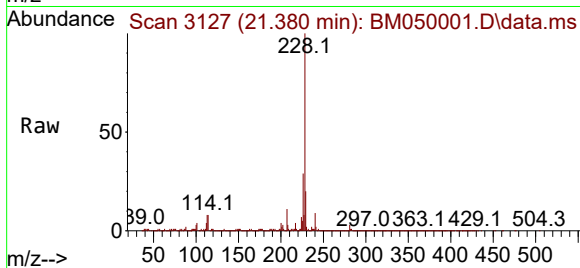
Tgt Ion:228 Resp: 1614045

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

229 20.3 15.8 23.8



#83

Chrysene

Concen: 22.183 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

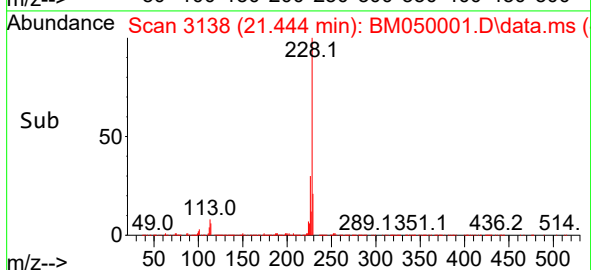
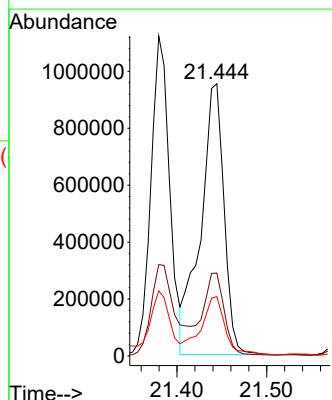
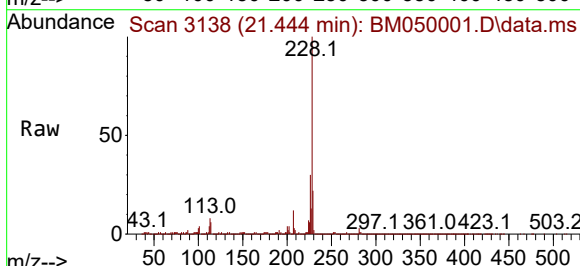
Tgt Ion:228 Resp: 1729505

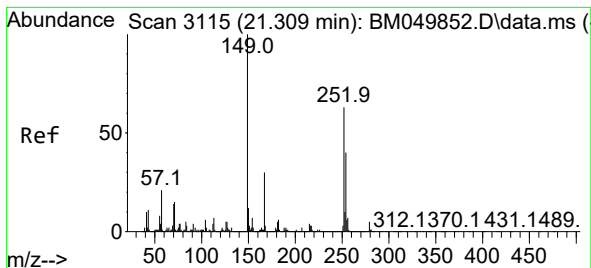
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.8 15.8 23.6

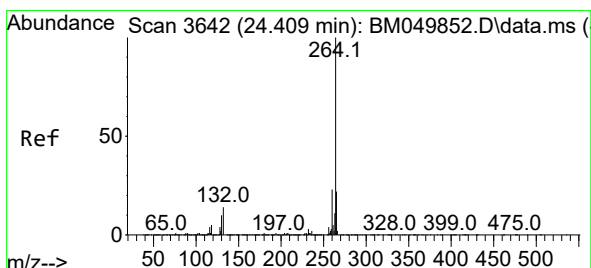
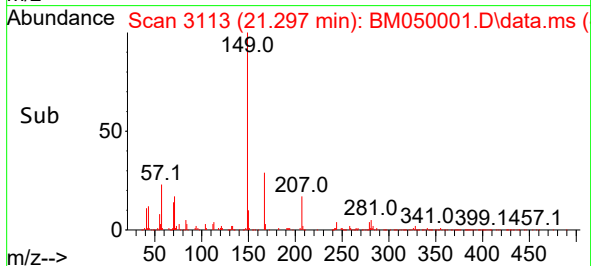
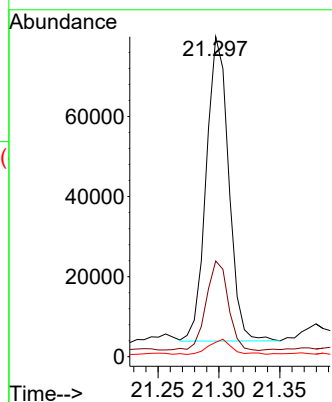
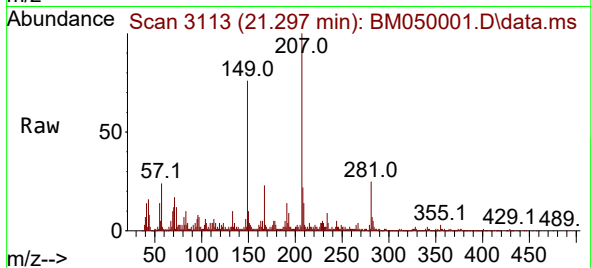




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.098 ng
RT: 21.297 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

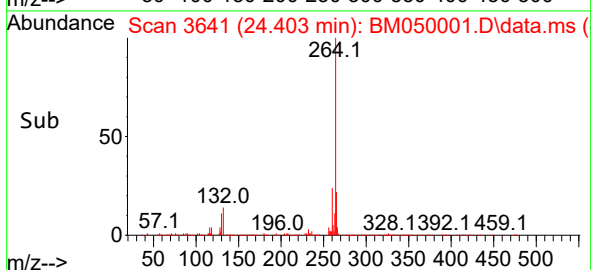
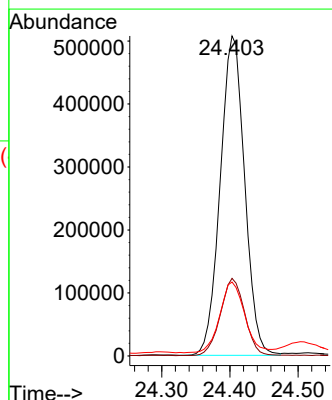
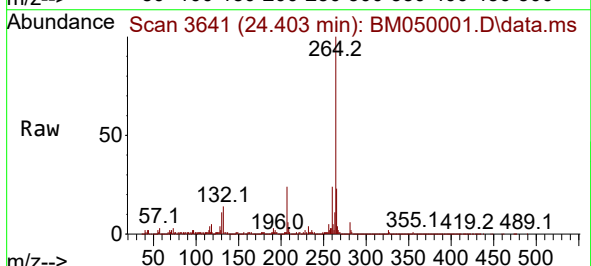
Instrument :
BNA_M
ClientSampleId :
VNJ-231

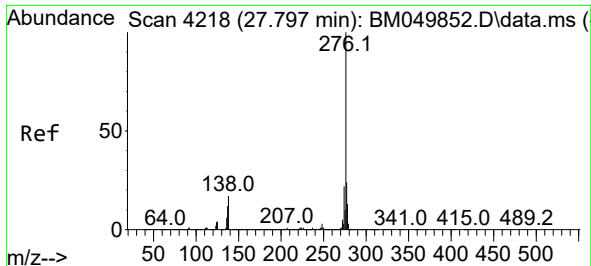
Tgt Ion:149 Resp: 97691
Ion Ratio Lower Upper
149 100
167 29.9 23.8 35.6
279 4.5 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM050001.D
Acq: 22 Apr 2025 18:26

Tgt Ion:264 Resp: 1265403
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 23.1 17.8 26.8

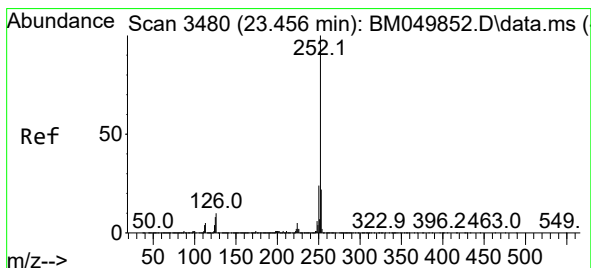
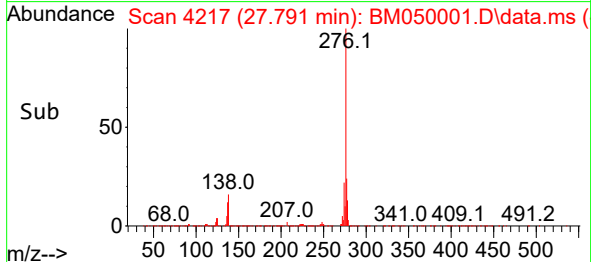
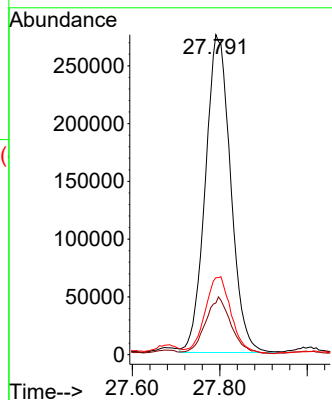
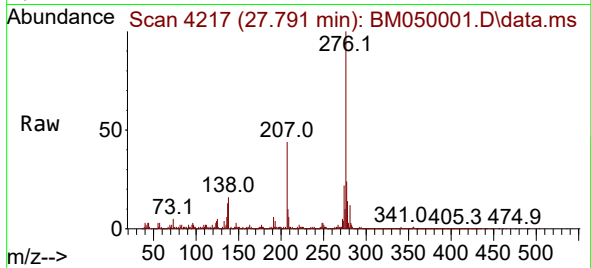




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.715 ng
 RT: 27.791 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BM050001.D
 Acq: 22 Apr 2025 18:26

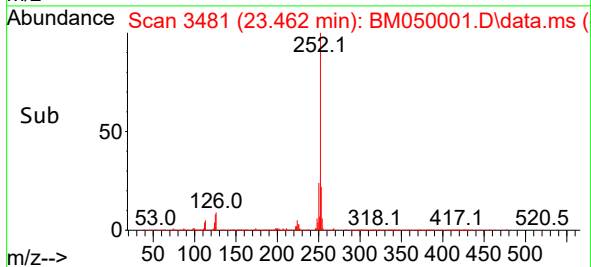
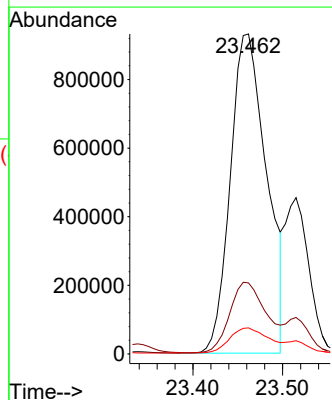
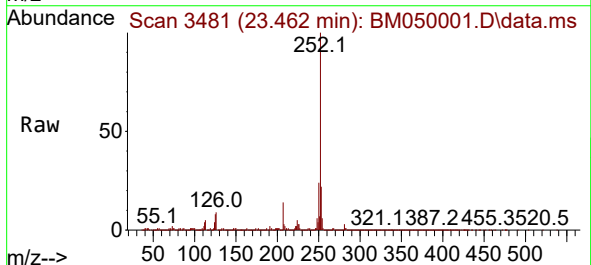
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-231

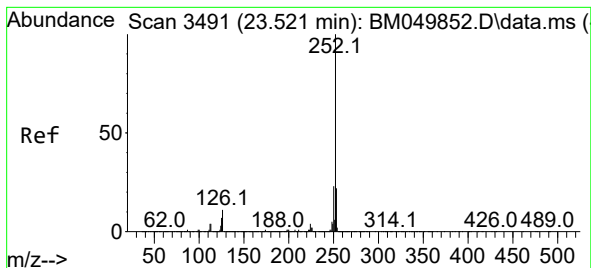
Tgt Ion:276 Resp: 1105015
 Ion Ratio Lower Upper
 276 100
 138 18.0 16.8 25.2
 277 24.7 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 32.352 ng
 RT: 23.462 min Scan# 3481
 Delta R.T. 0.006 min
 Lab File: BM050001.D
 Acq: 22 Apr 2025 18:26

Tgt Ion:252 Resp: 2614535
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 8.1 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 10.727 ng m

RT: 23.515 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Instrument :

BNA_M

ClientSampleId :

VNJ-231

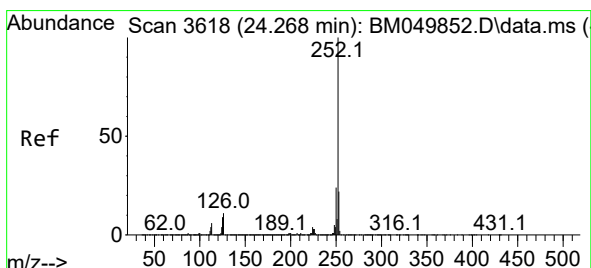
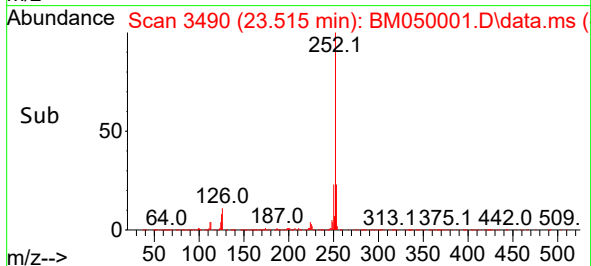
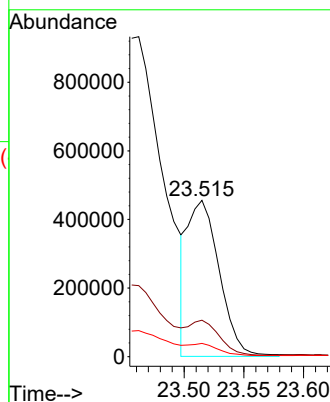
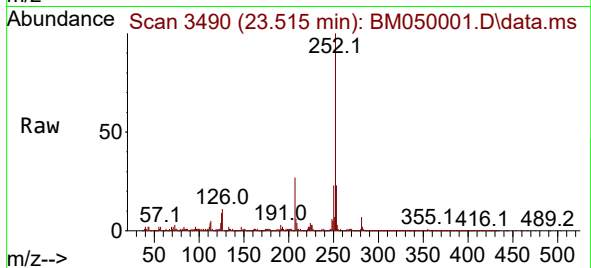
Tgt Ion:252 Resp: 840107

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 8.5 5.8 8.8



#90

Benzo(a)pyrene

Concen: 22.394 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

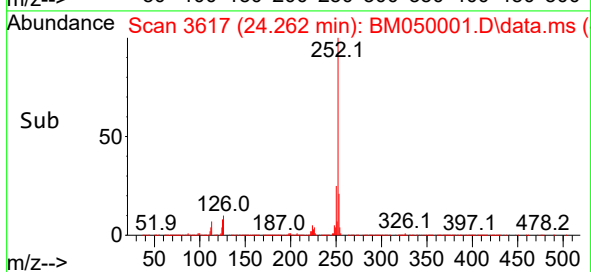
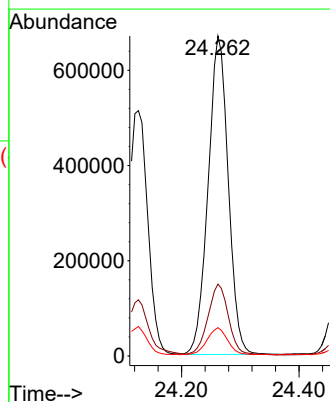
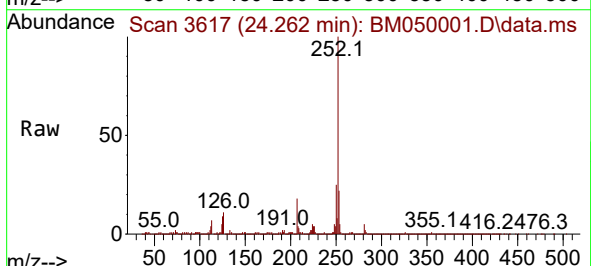
Tgt Ion:252 Resp: 1590330

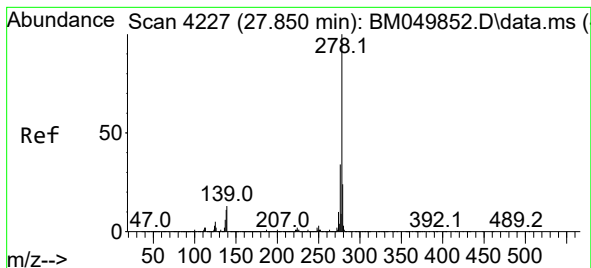
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 8.9 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.767 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Instrument :

BNA_M

ClientSampleId :

VNJ-231

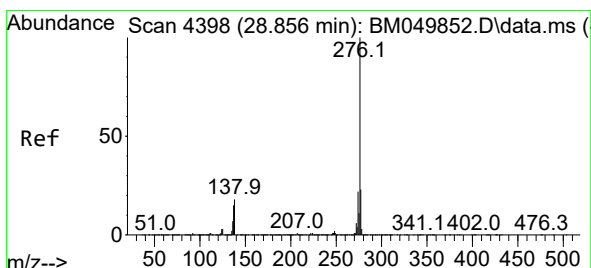
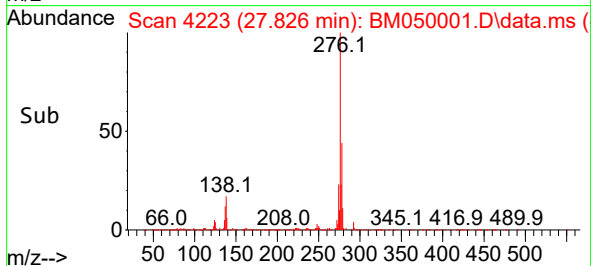
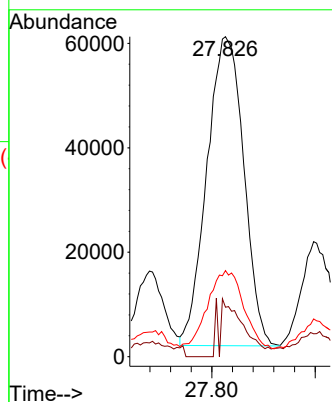
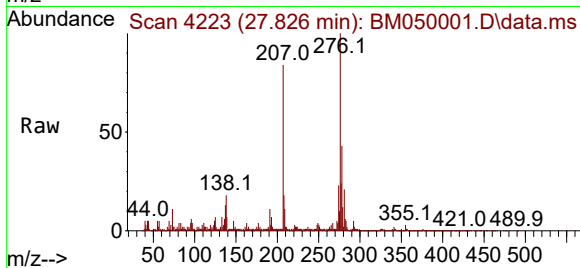
Tgt Ion:278 Resp: 292686

Ion Ratio Lower Upper

278 100

139 15.4 10.6 15.8

279 26.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 13.105 ng

RT: 28.850 min Scan# 4397

Delta R.T. -0.006 min

Lab File: BM050001.D

Acq: 22 Apr 2025 18:26

Tgt Ion:276 Resp: 1040455

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 17.8 14.6 21.8

