

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050416.D
 Acq On : 11 Jul 2025 17:08
 Operator : RC/JU
 Sample : Q2542-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-245

Quant Time: Jul 11 17:45:00 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)

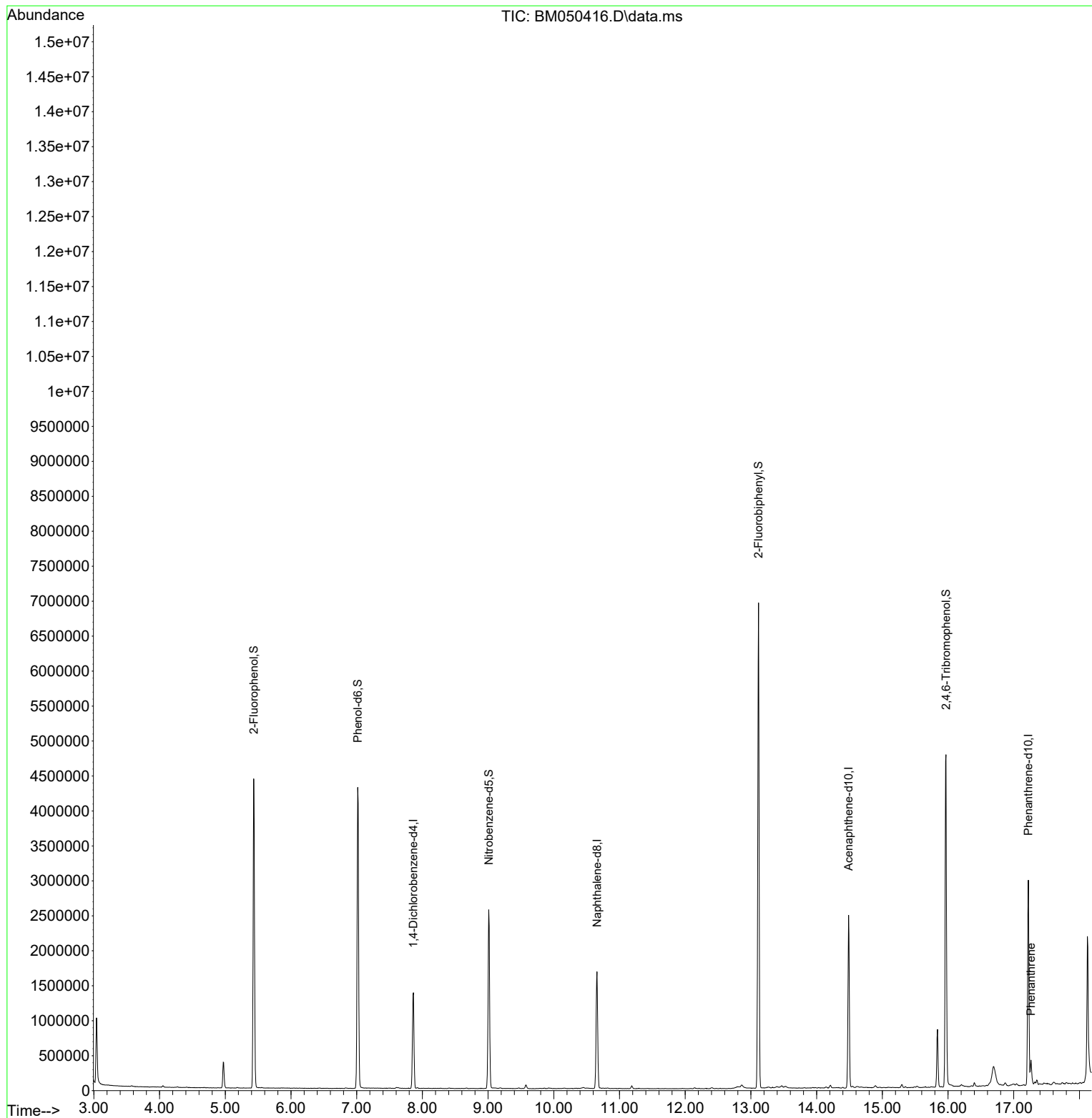
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	381167	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1372416	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	843613	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1662400	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1835773	20.000	ng	-0.01
86) Perylene-d12	24.480	264	2108357	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1832807	82.768	ng	0.00
7) Phenol-d6	7.016	99	2335688	83.672	ng	0.00
23) Nitrobenzene-d5	9.010	82	1357505	50.464	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	852787	83.199	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	3447699	50.470	ng	0.00
79) Terphenyl-d14	19.833	244	5818851	55.770	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.262	178	203196	2.160	ng	98
75) Fluoranthene	19.268	202	474321	4.638	ng	98
78) Pyrene	19.633	202	488495	4.155	ng	99
81) Benzo(a)anthracene	21.427	228	241064	2.015	ng	97
83) Chrysene	21.486	228	260423	2.308	ng	98
88) Benzo(b)fluoranthene	23.527	252	365178	2.816	ng	99

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

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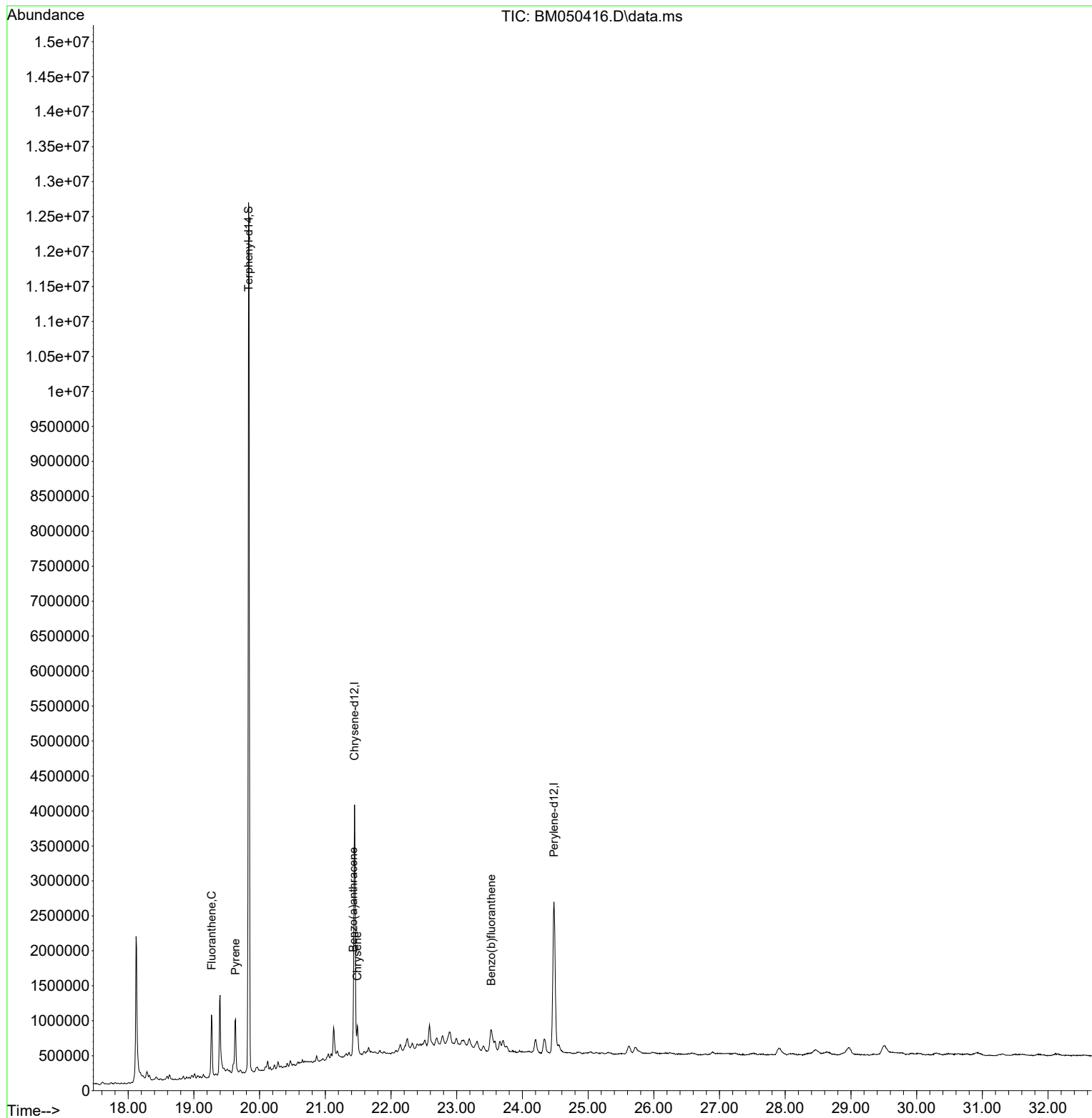
Quant Time: Jul 11 17:45:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

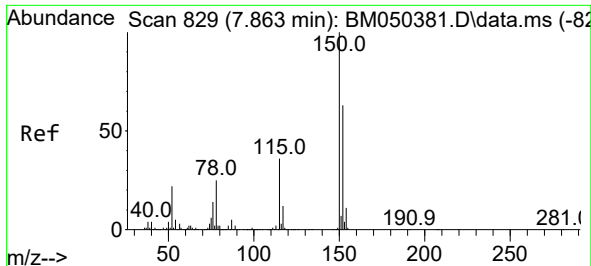


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
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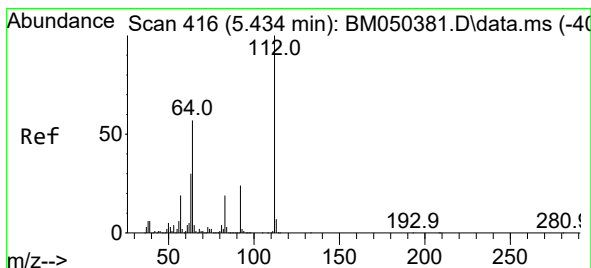
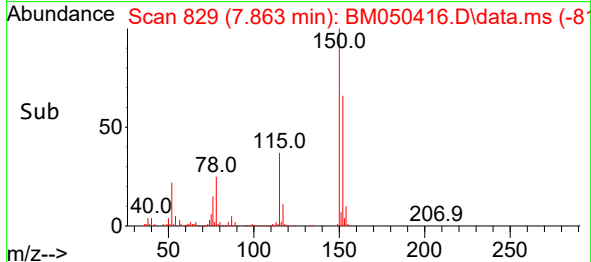
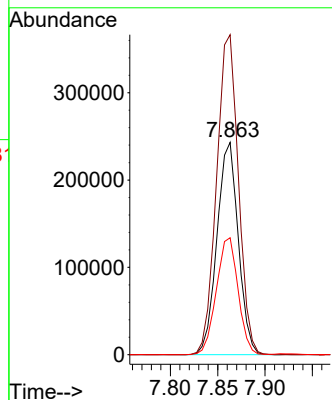
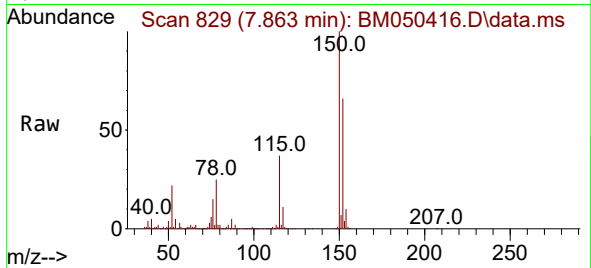




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. 0.000 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

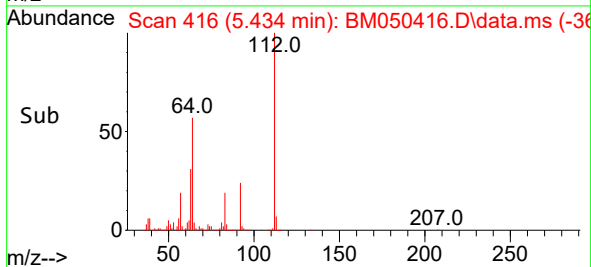
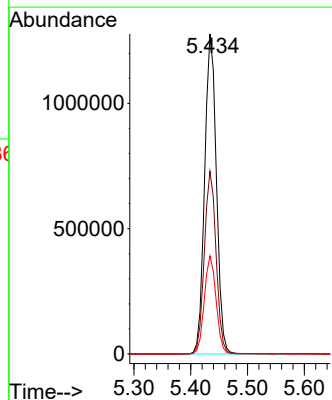
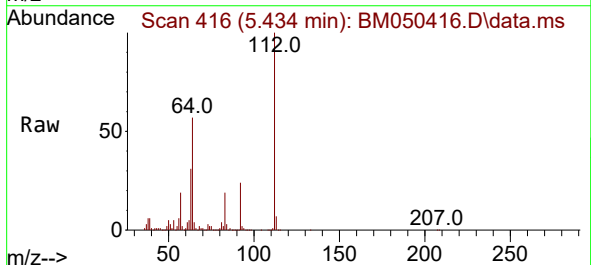
Instrument :
BNA_M
ClientSampleId :
VNJ-245

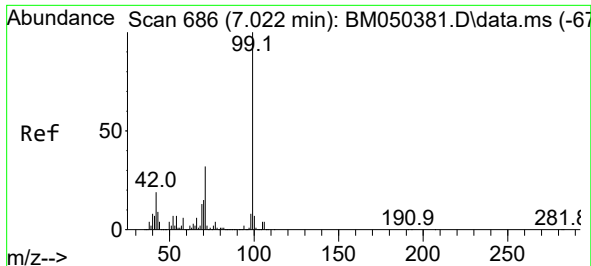
Tgt Ion:152 Resp: 381167
Ion Ratio Lower Upper
152 100
150 150.7 126.2 189.4
115 55.1 45.8 68.8



#5
2-Fluorophenol
Concen: 82.768 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:112 Resp: 1832807
Ion Ratio Lower Upper
112 100
64 57.1 45.5 68.3
63 30.7 24.2 36.4

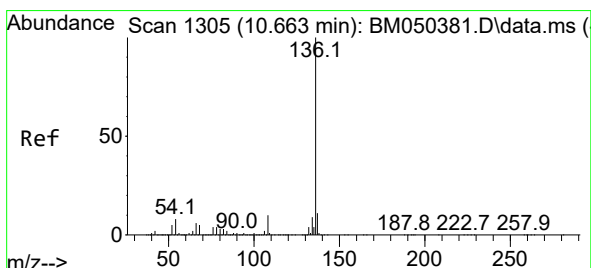
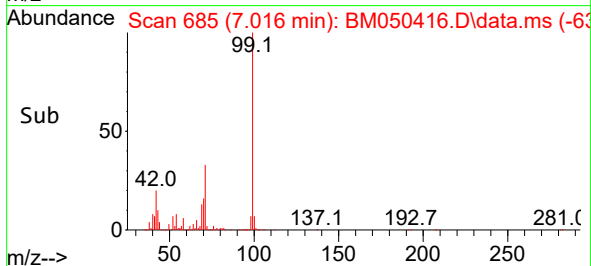
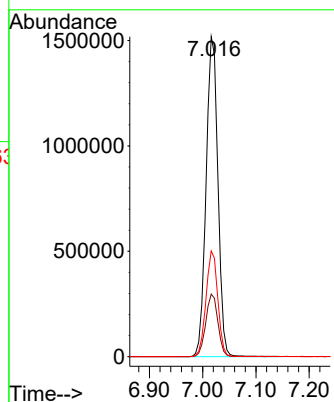
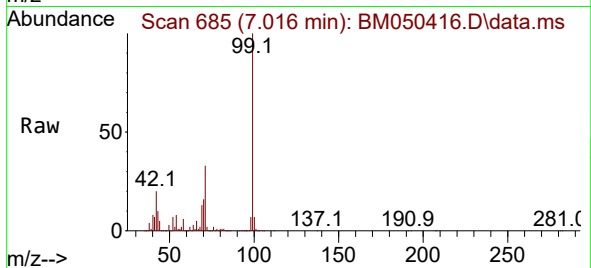




#7
Phenol-d6
Concen: 83.672 ng
RT: 7.016 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

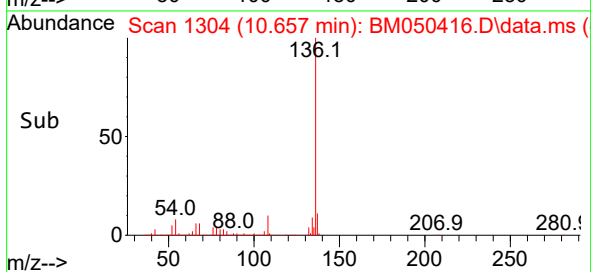
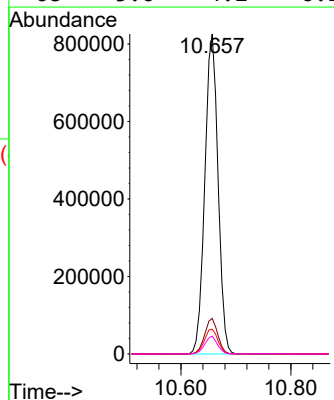
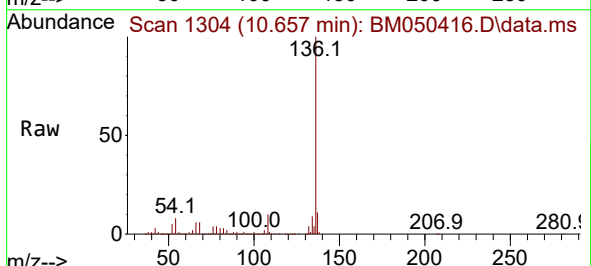
Instrument :
BNA_M
ClientSampleId :
VNJ-245

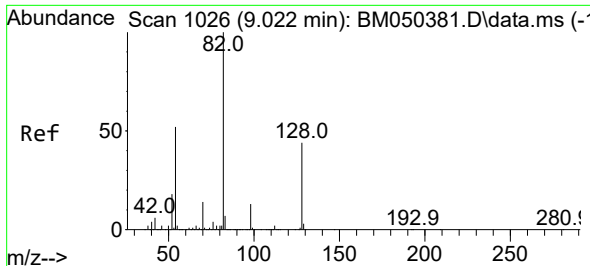
Tgt Ion: 99 Resp: 2335688
Ion Ratio Lower Upper
99 100
42 19.6 15.0 22.6
71 33.0 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:136 Resp: 1372416
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.3 9.5
68 5.6 4.2 6.2

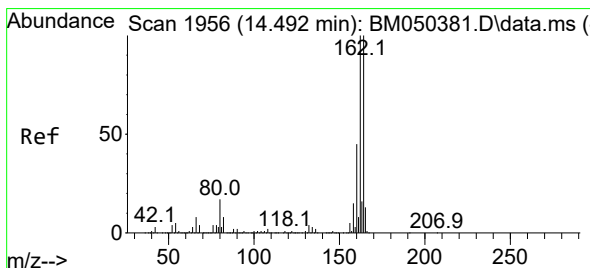
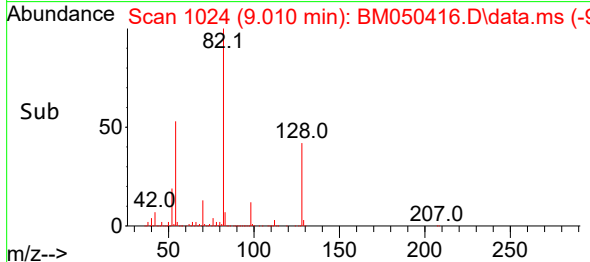
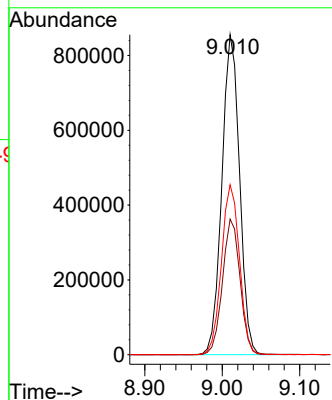
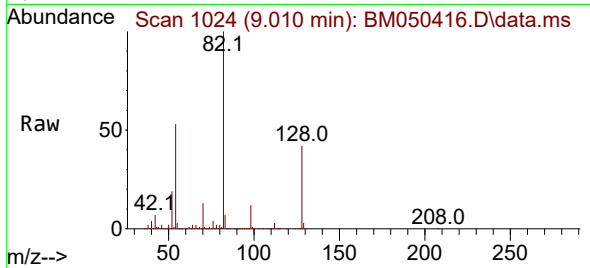




#23
Nitrobenzene-d5
Concen: 50.464 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

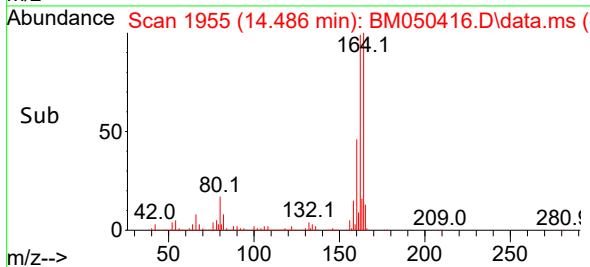
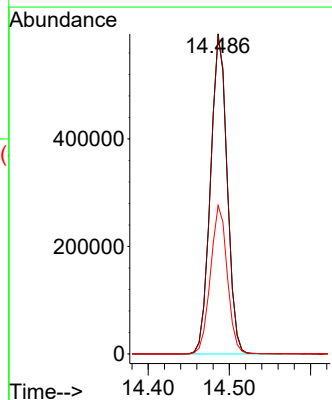
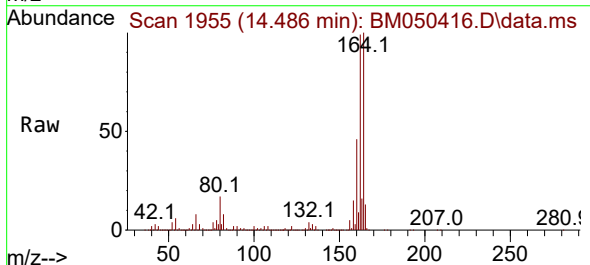
Instrument :
BNA_M
ClientSampleId :
VNJ-245

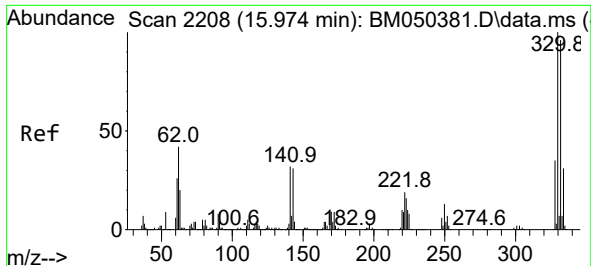
Tgt Ion: 82 Resp: 1357505
Ion Ratio Lower Upper
82 100
128 42.3 35.2 52.8
54 53.1 41.5 62.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion: 164 Resp: 843613
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 46.4 36.2 54.4

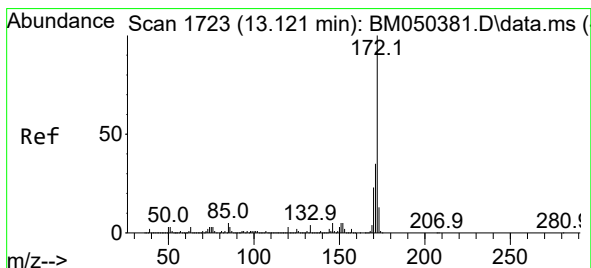
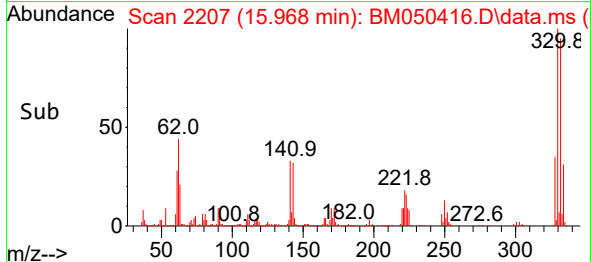
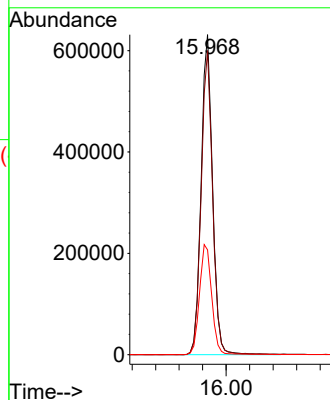
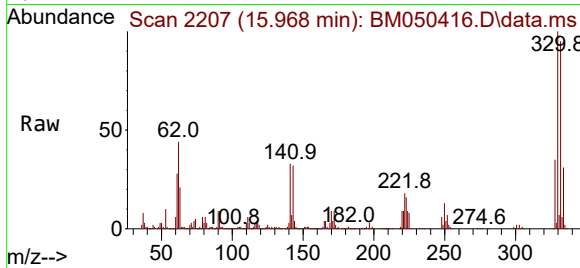




#42
2,4,6-Tribromophenol
Concen: 83.199 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

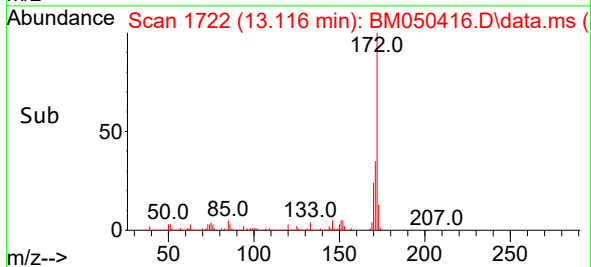
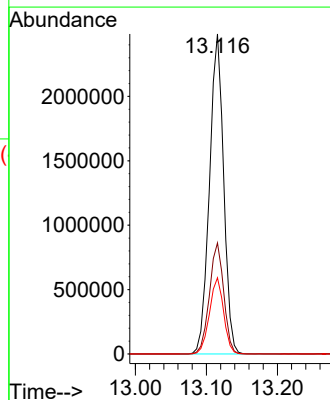
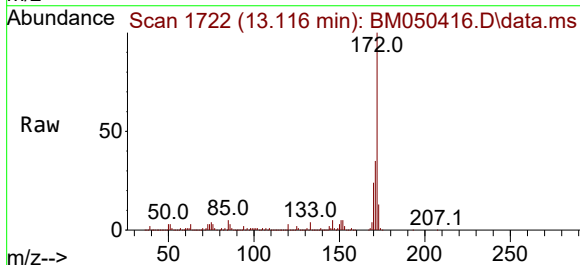
Instrument :
BNA_M
ClientSampleId :
VNJ-245

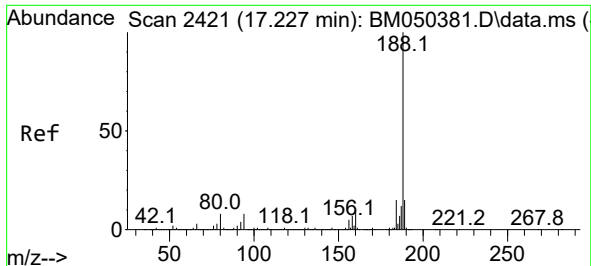
Tgt Ion:330 Resp: 852787
Ion Ratio Lower Upper
330 100
332 95.0 76.9 115.3
141 36.7 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 50.470 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:172 Resp: 3447699
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 23.8 18.8 28.2

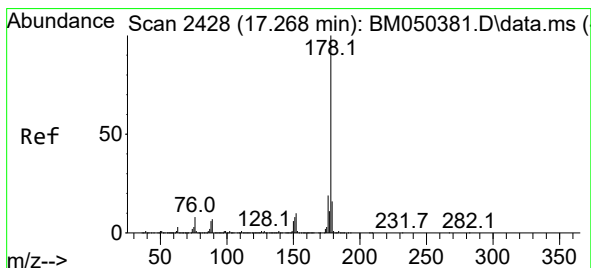
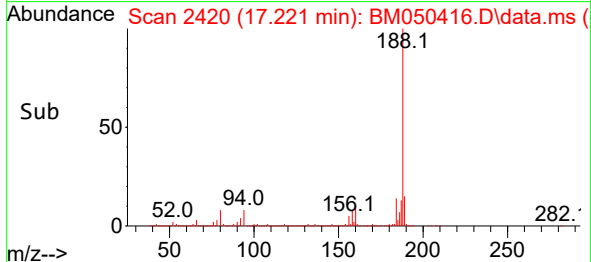
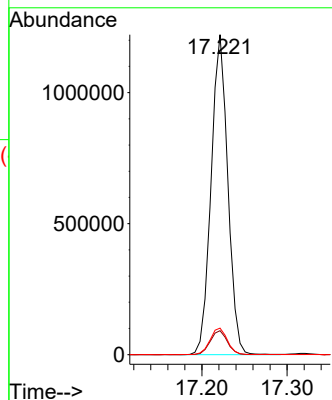
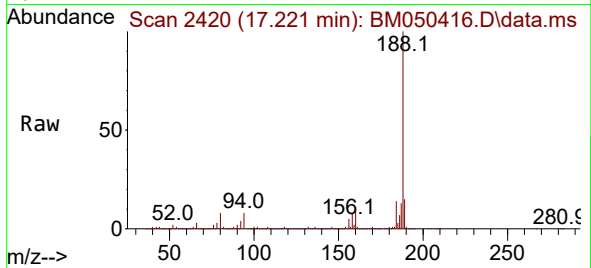




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

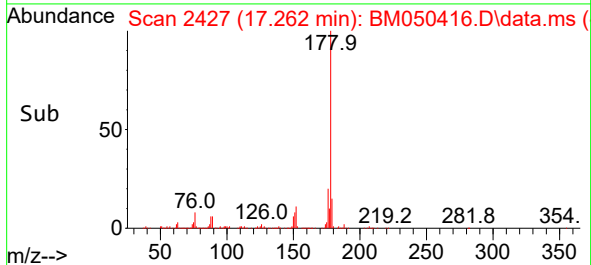
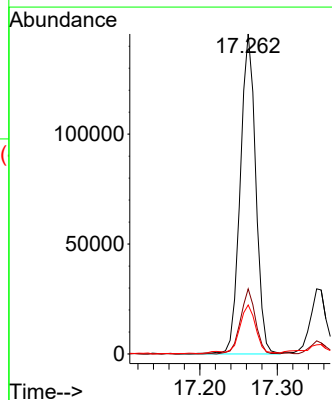
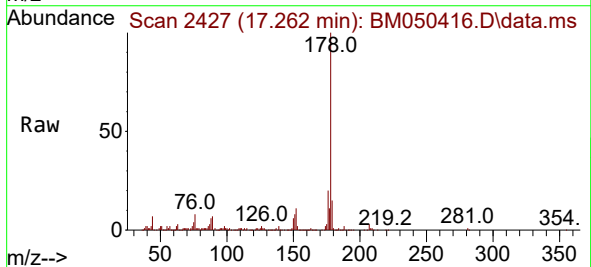
Instrument :
BNA_M
ClientSampleId :
VNJ-245

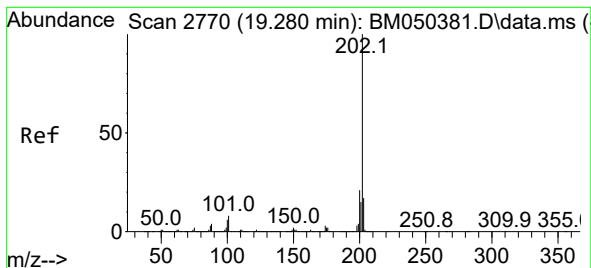
Tgt Ion:188 Resp: 1662400
Ion Ratio Lower Upper
188 100
94 7.5 6.0 9.0
80 8.3 6.5 9.7



#71
Phenanthrene
Concen: 2.160 ng
RT: 17.262 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:178 Resp: 203196
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.0
179 15.3 12.5 18.7





#75

Fluoranthene

Concen: 4.638 ng

RT: 19.268 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Instrument :

BNA_M

ClientSampleId :

VNJ-245

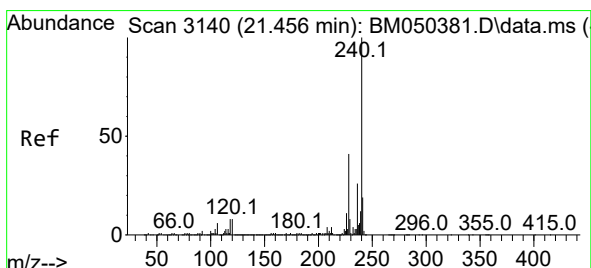
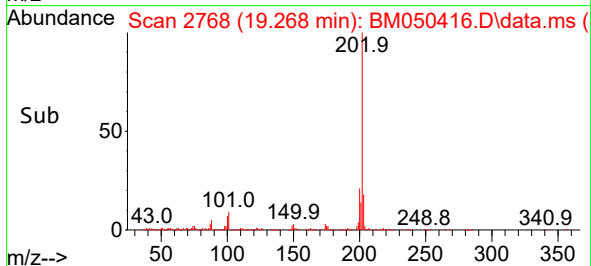
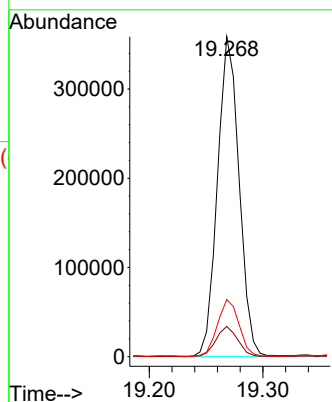
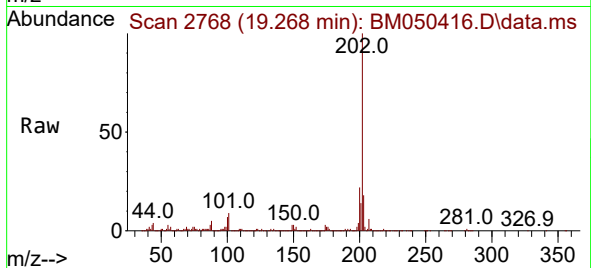
Tgt Ion:202 Resp: 474321

Ion Ratio Lower Upper

202 100

101 9.4 0.0 28.3

203 17.8 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

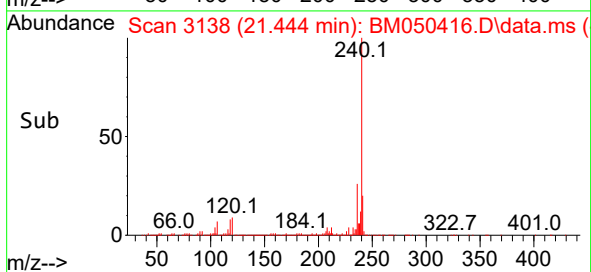
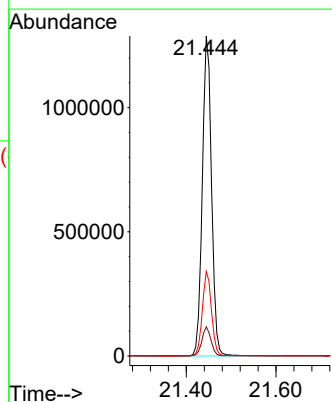
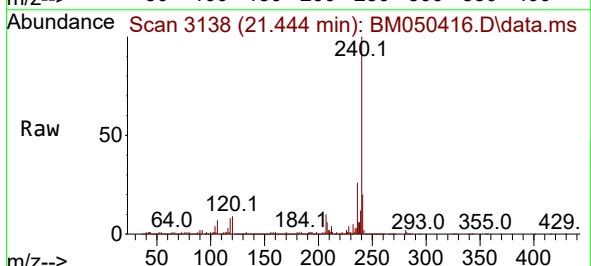
Tgt Ion:240 Resp: 1835773

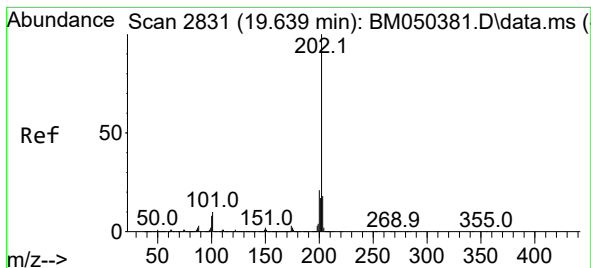
Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

236 26.4 20.7 31.1





#78

Pyrene

Concen: 4.155 ng

RT: 19.633 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Instrument :

BNA_M

ClientSampleId :

VNJ-245

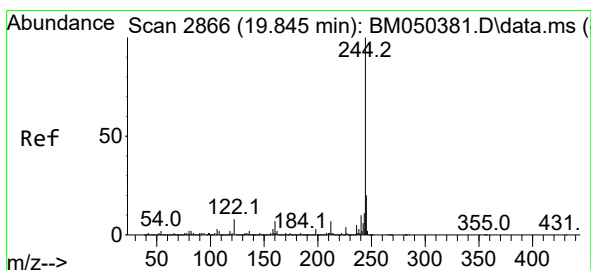
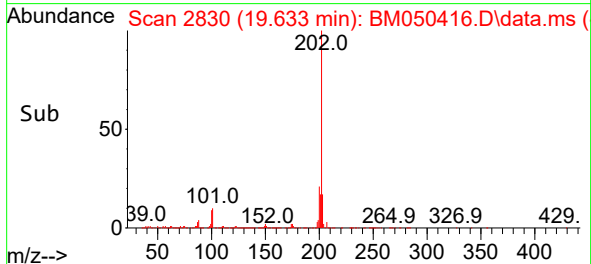
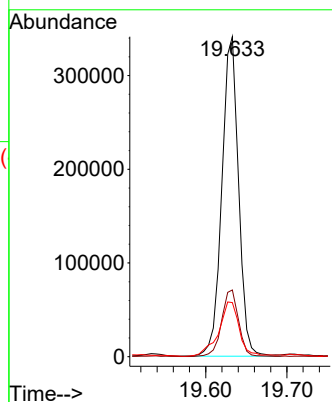
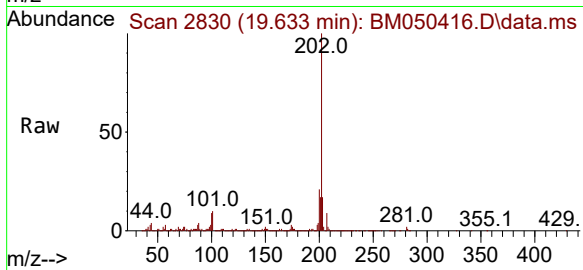
Tgt Ion:202 Resp: 488495

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 16.9 14.1 21.1



#79

Terphenyl-d14

Concen: 55.770 ng

RT: 19.833 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

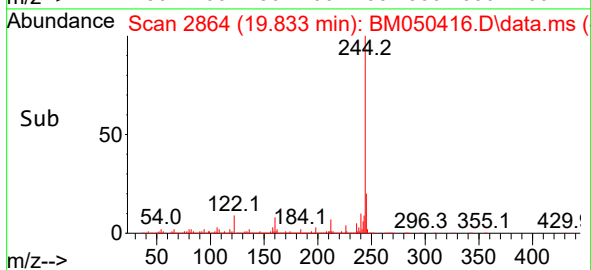
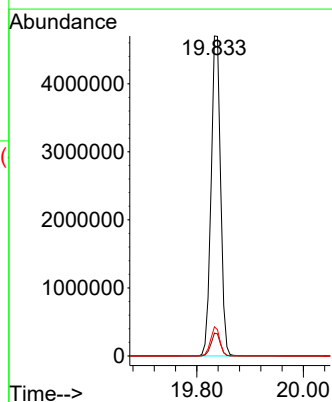
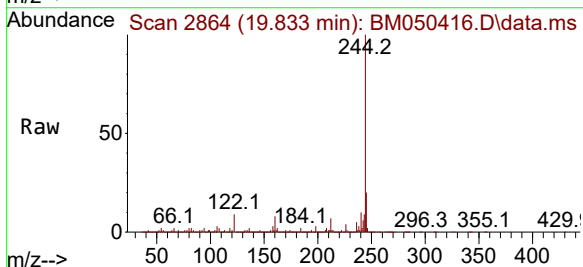
Tgt Ion:244 Resp: 5818851

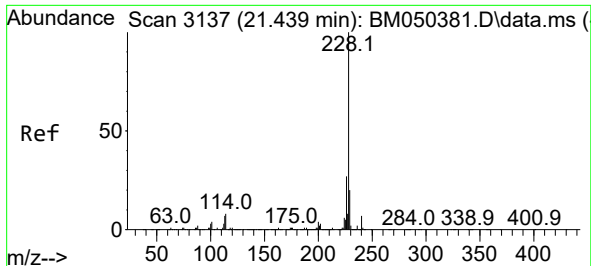
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.1 6.2 9.2

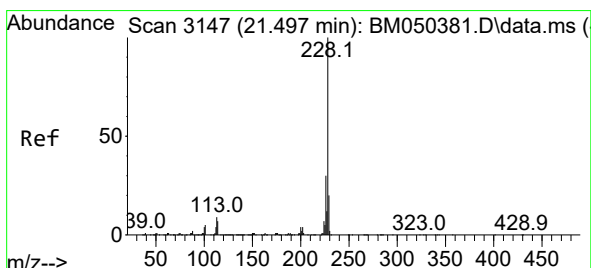
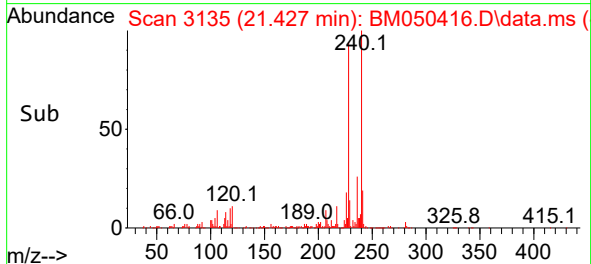
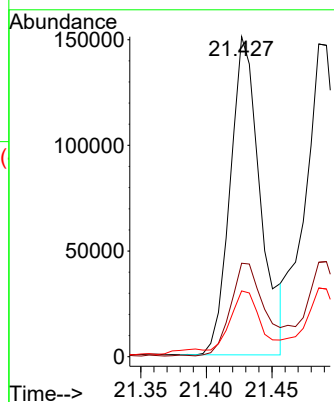
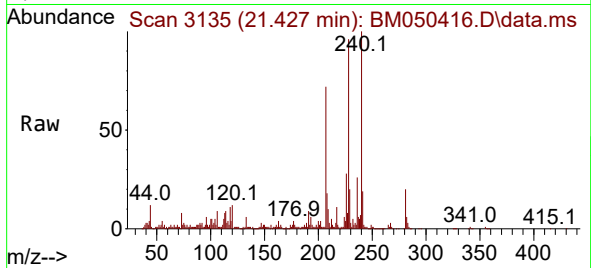




#81
Benzo(a)anthracene
Concen: 2.015 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

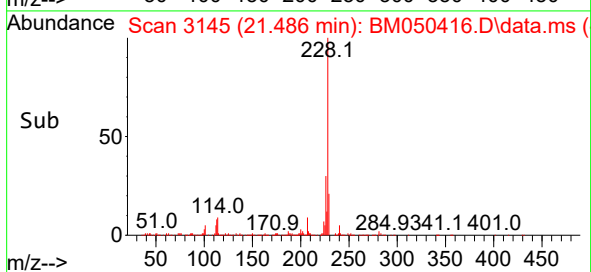
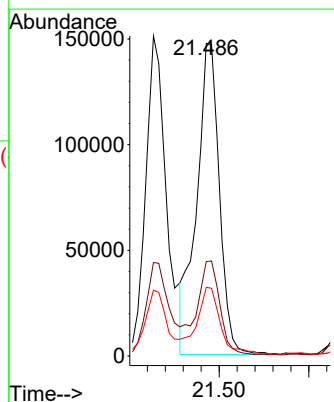
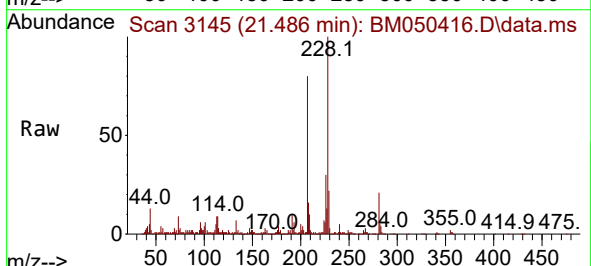
Instrument :
BNA_M
ClientSampleId :
VNJ-245

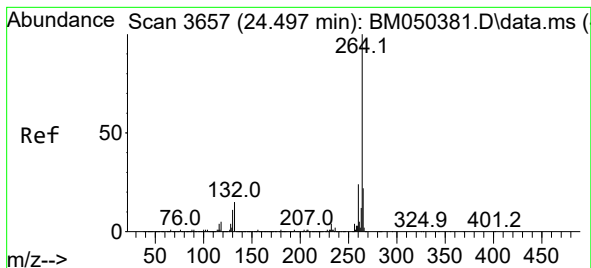
Tgt Ion:228 Resp: 241064
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.8
229 20.6 16.0 24.0



#83
Chrysene
Concen: 2.308 ng
RT: 21.486 min Scan# 3145
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:228 Resp: 260423
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.480 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Instrument :

BNA_M

ClientSampleId :

VNJ-245

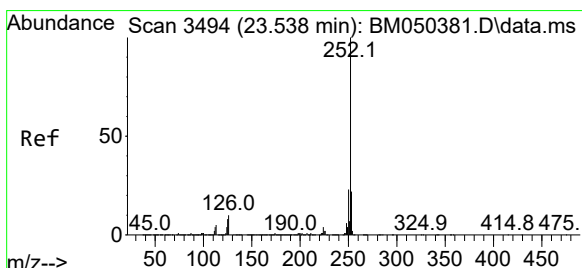
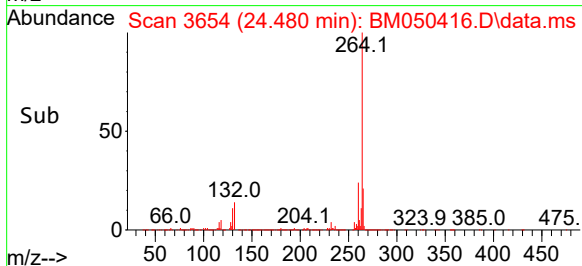
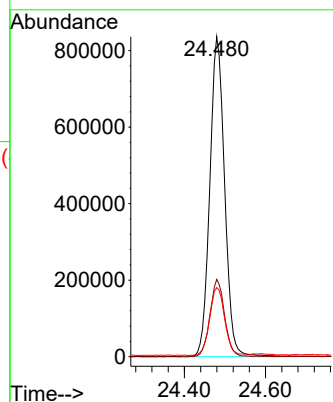
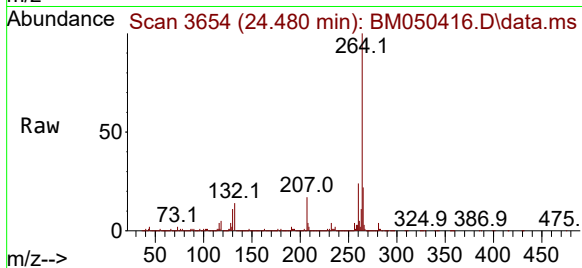
Tgt Ion:264 Resp: 2108357

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.6 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 2.816 ng

RT: 23.527 min Scan# 3492

Delta R.T. -0.012 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Tgt Ion:252 Resp: 365178

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 9.0 6.3 9.5

