

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)

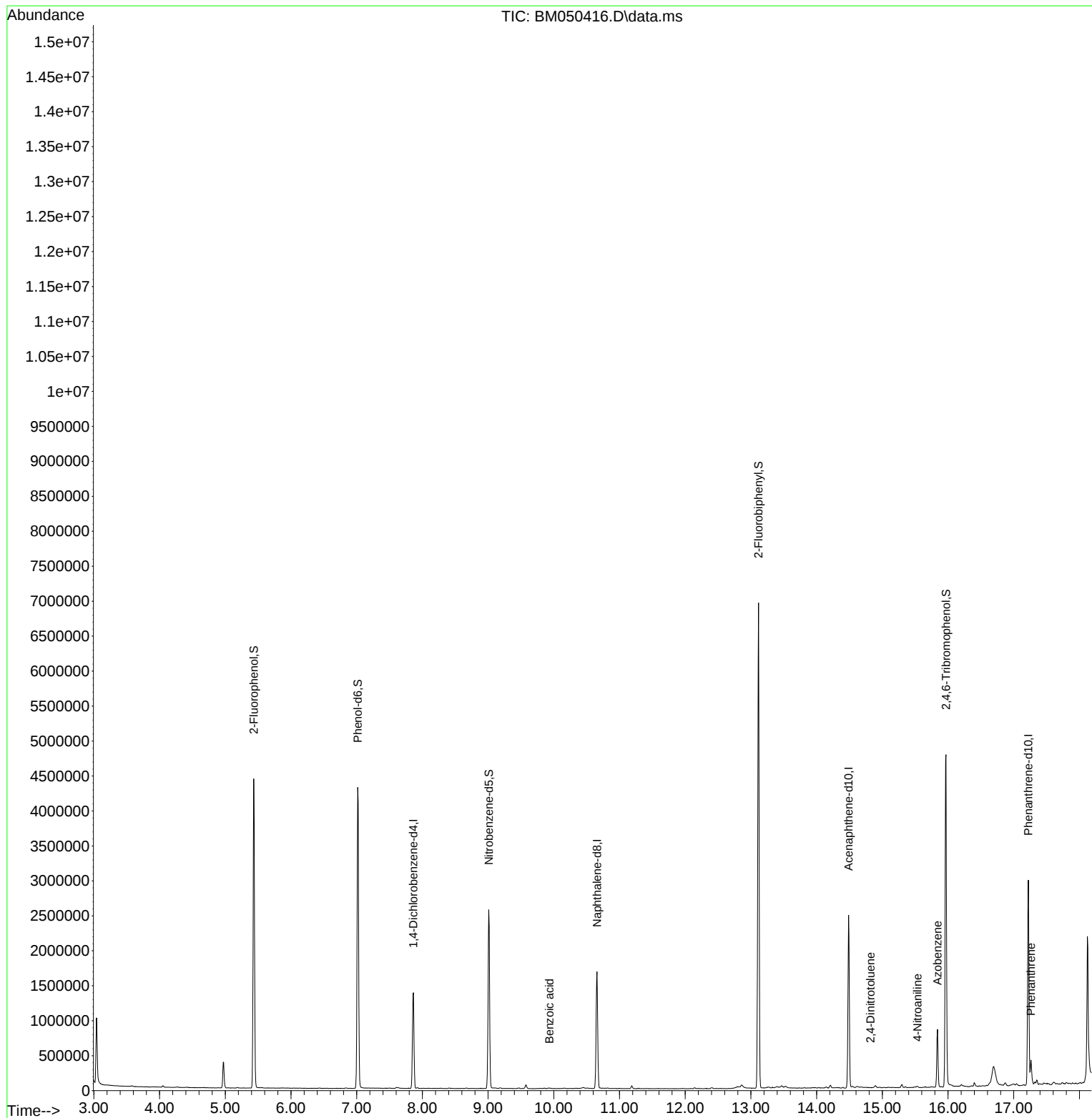
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	381167	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1372416	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	843613	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1662400	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1835773	20.000	ng	-0.01
86) 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	
32) Benzoic acid	9.933	122	377	6.000	ng	# 6
57) 2,4-Dinitrotoluene	14.821	165	418	2.748	ng	# 57
62) 4-Nitroaniline	15.533	138	146	2.597	ng	# 14
63) Azobenzene	15.839	77	221539	4.349	ng	# 1
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
89) Benzo(k)fluoranthene	23.527	252	365178	2.714	ng	98

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

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

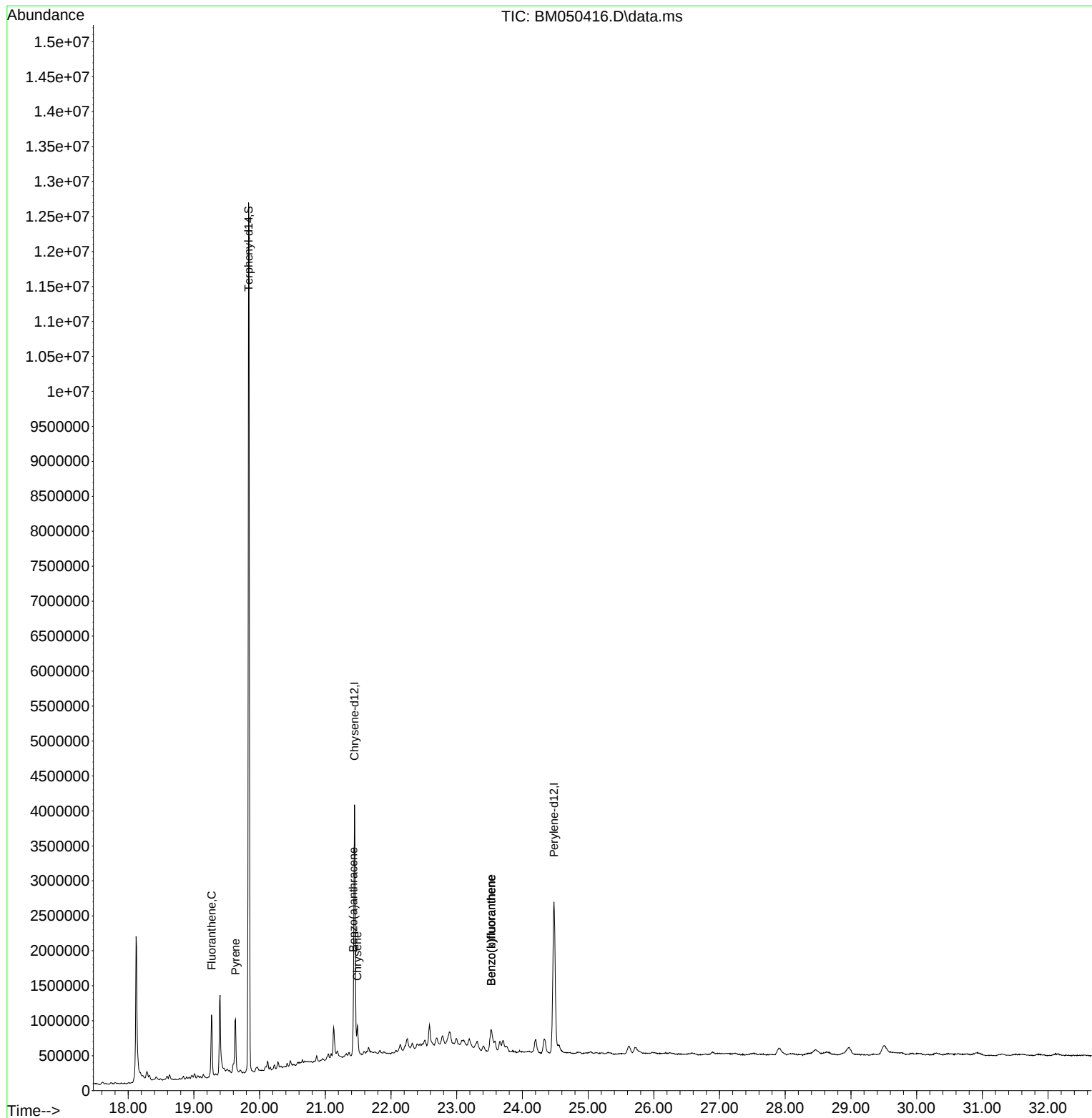
Quant Time: Jul 11 17:45:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

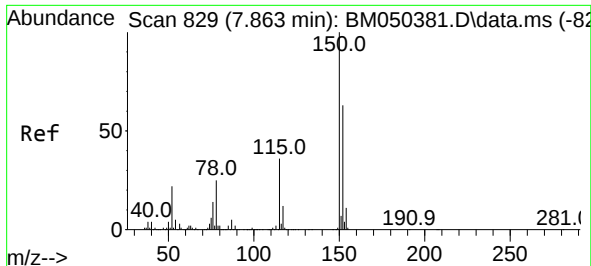


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
Data File : BM050416.D
Acq On : 11 Jul 2025 17:08
Operator : RC/JU
Sample : Q2542-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

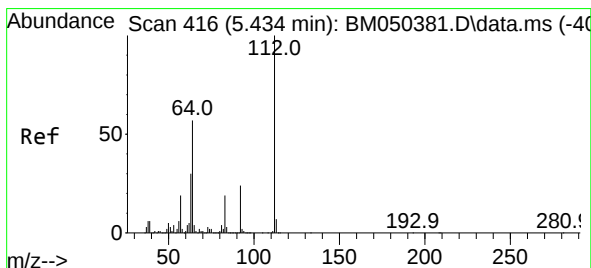
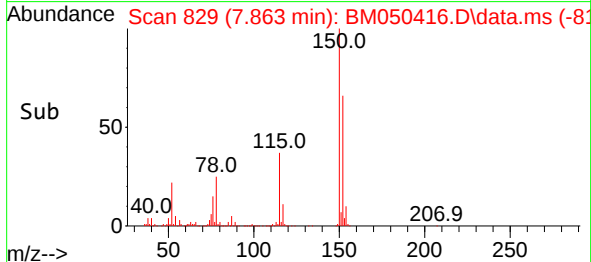
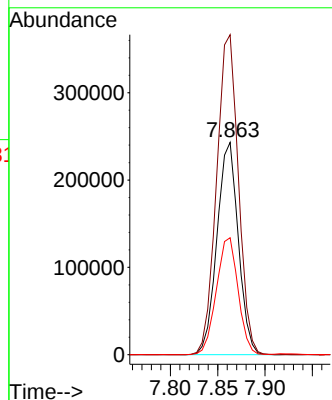
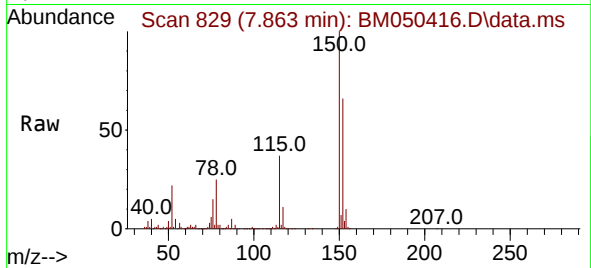




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM050416.D
 Acq: 11 Jul 2025 17:08

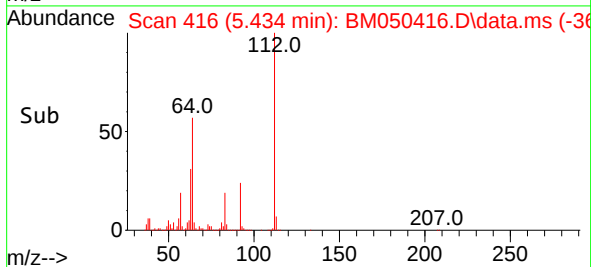
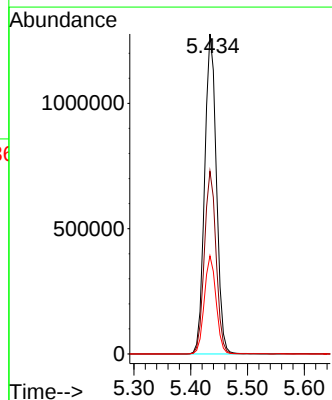
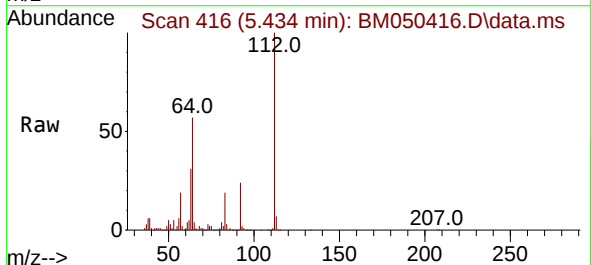
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-245

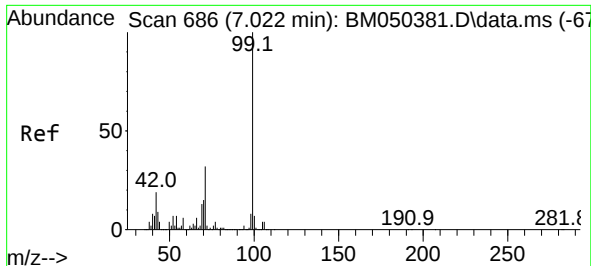
Tgt Ion:152 Resp: 381167
 Ion Ratio Lower Upper
 152 100
 150 150.7 126.2 189.4
 115 55.1 45.8 68.8



#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



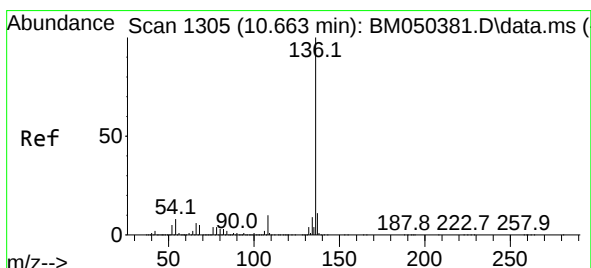
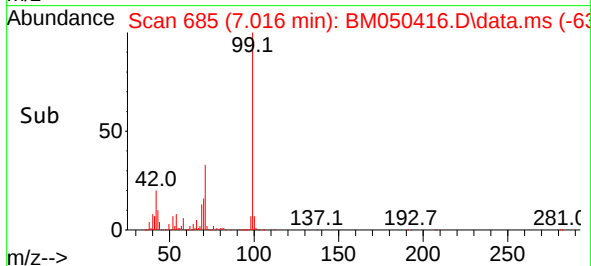
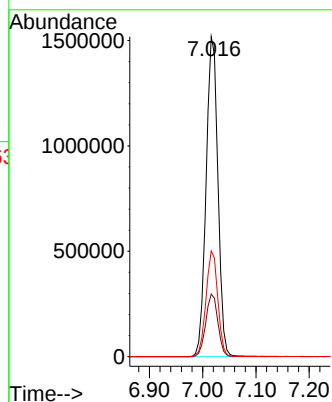
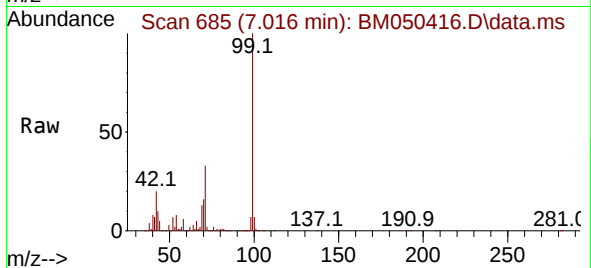


#7
Phenol-d6
Concen: 83.672 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Instrument :
BNA_M
ClientSampleId :
VNJ-245

Tgt Ion: 99 Resp: 2335688

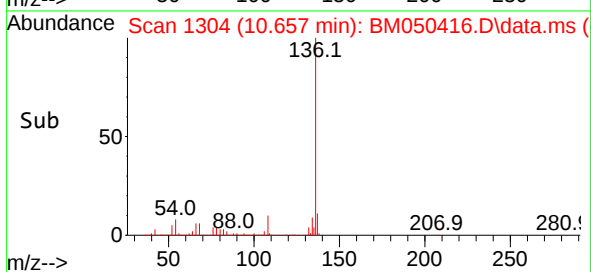
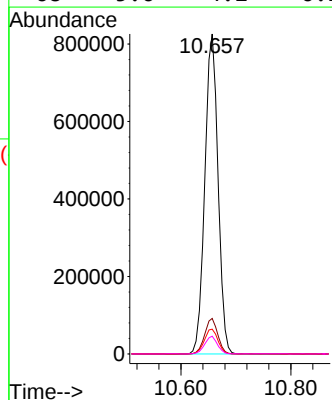
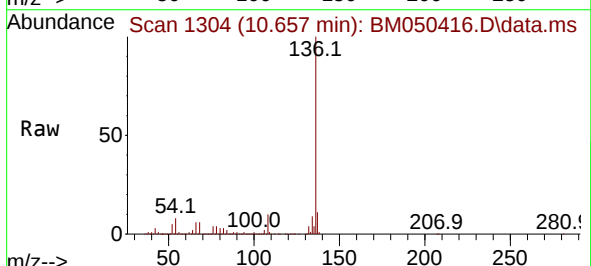
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.6
71	33.0	25.9	38.9

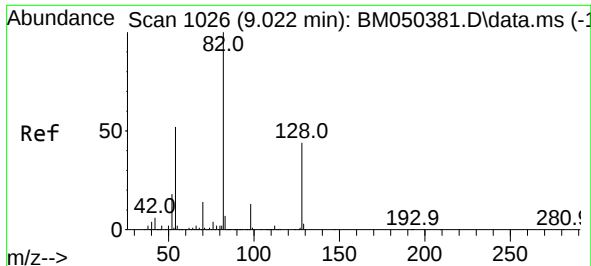


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

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

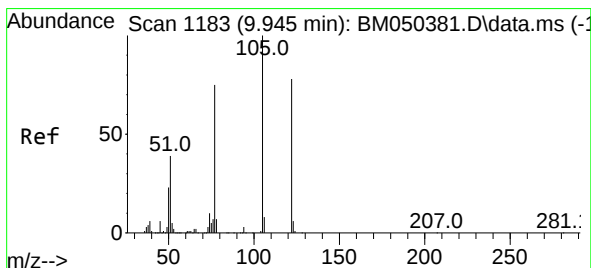
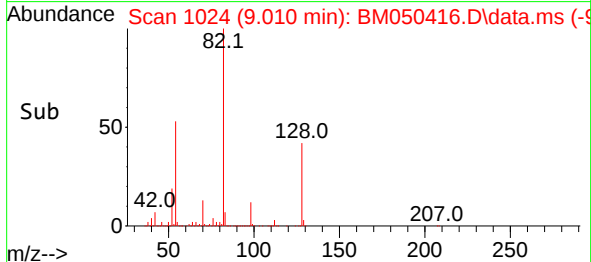
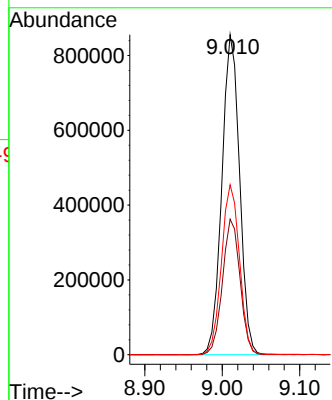
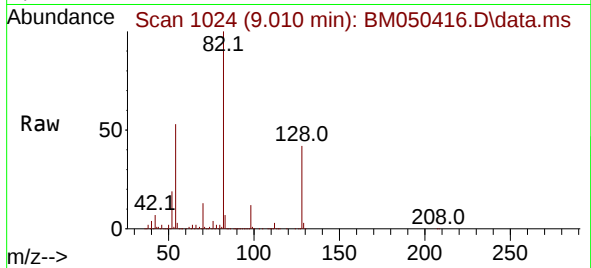




#23
Nitrobenzene-d5
Concen: 50.464 ng
RT: 9.010 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

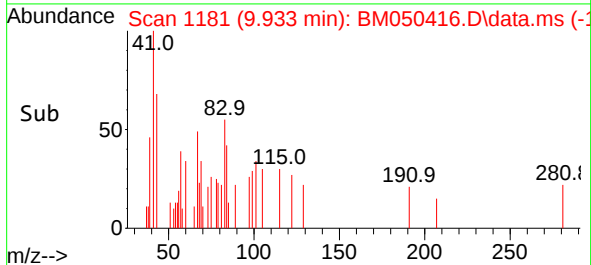
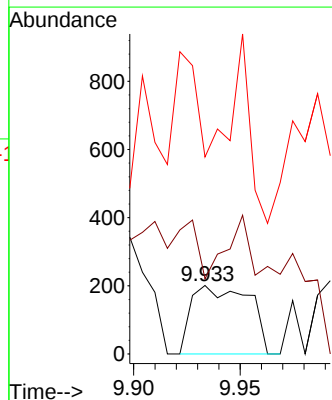
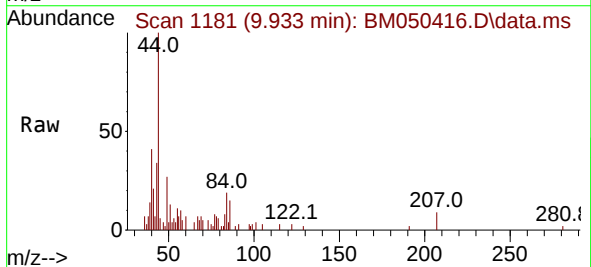
Instrument :
BNA_M
ClientSampleId :
VNJ-245

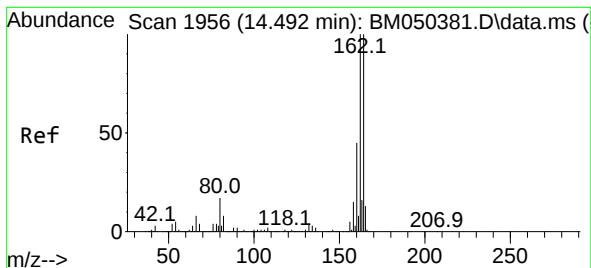
Tgt Ion: 82 Resp: 1357505
Ion Ratio Lower Upper
82 100
128 42.3 35.2 52.8
54 53.1 41.5 62.3



#32
Benzoic acid
Concen: 6.000 ng
RT: 9.933 min Scan# 1181
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion:122 Resp: 377
Ion Ratio Lower Upper
122 100
105 110.0 104.0 144.0
77 287.6 73.8 113.8#





#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

Instrument :

BNA_M

ClientSampleId :

VNJ-245

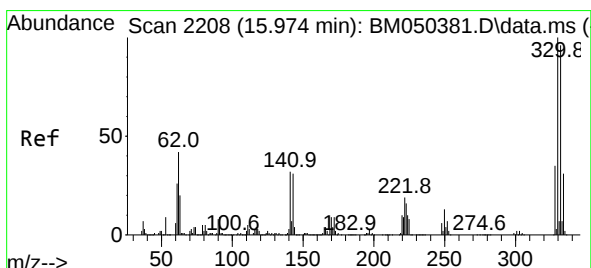
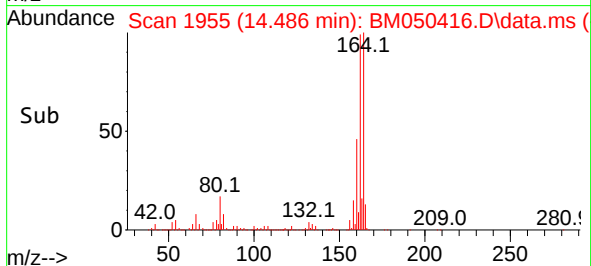
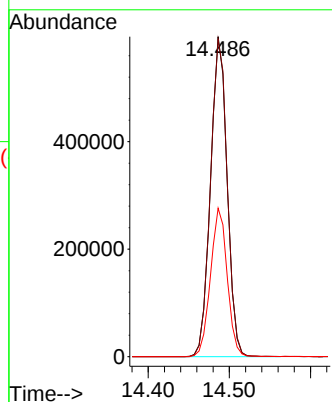
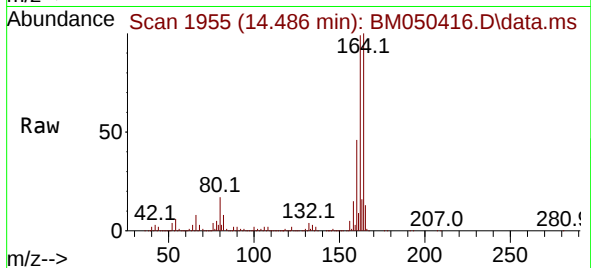
Tgt Ion:164 Resp: 843613

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# 2207

Delta R.T. -0.006 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

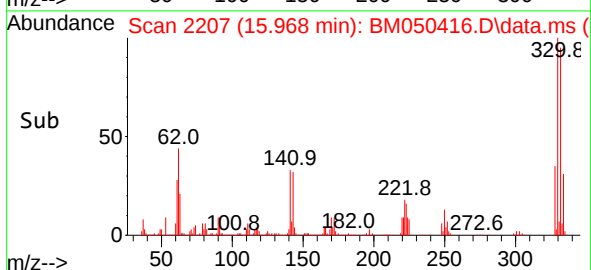
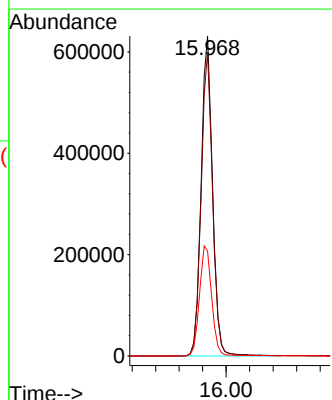
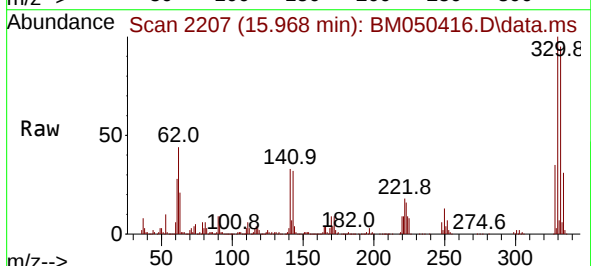
Tgt Ion:330 Resp: 852787

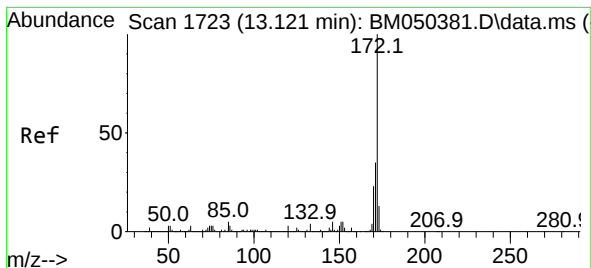
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.006 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Instrument :

BNA_M

ClientSampleId :

VNJ-245

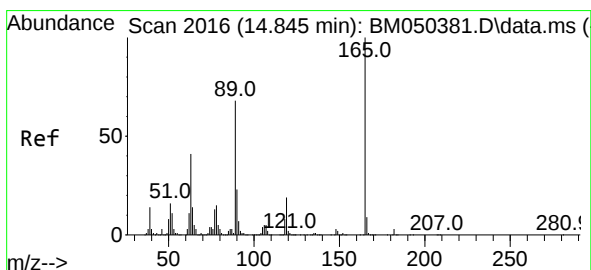
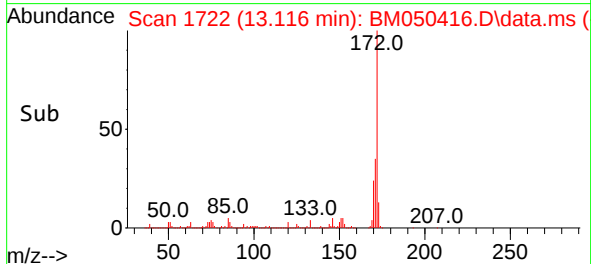
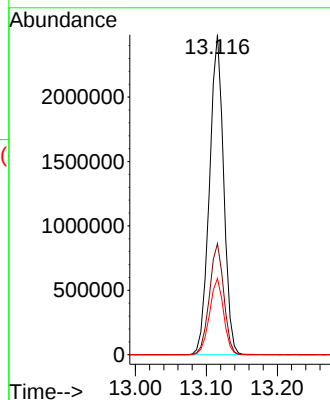
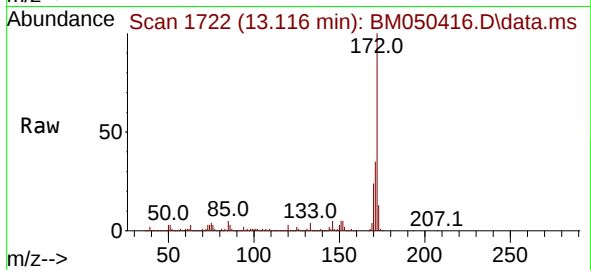
Tgt Ion:172 Resp: 3447699

Ion Ratio Lower Upper

172 100

171 34.7 27.7 41.5

170 23.8 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.748 ng

RT: 14.821 min Scan# 2012

Delta R.T. -0.024 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Tgt Ion:165 Resp: 418

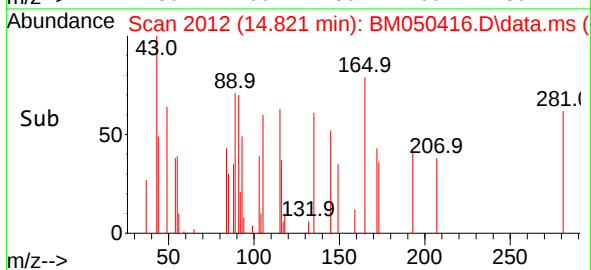
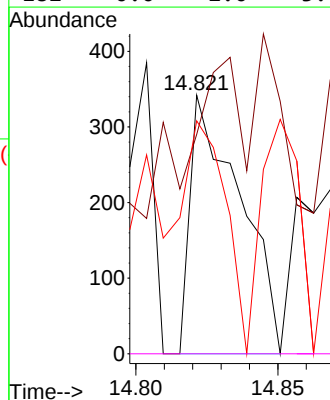
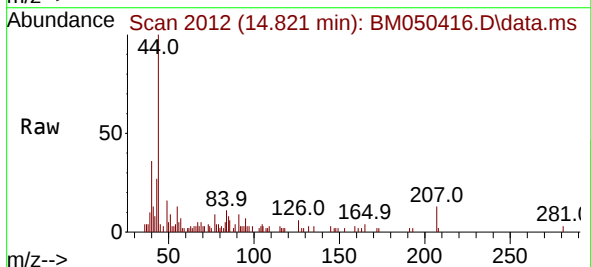
Ion Ratio Lower Upper

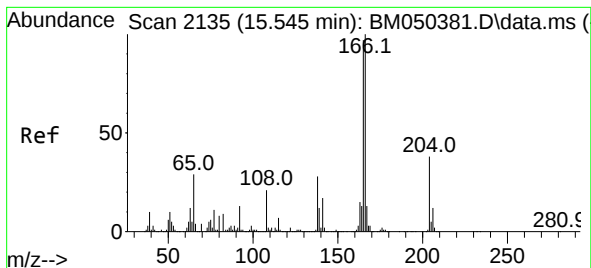
165 100

63 84.8 32.5 48.7#

89 90.1 54.0 81.0#

182 0.0 2.0 3.0#

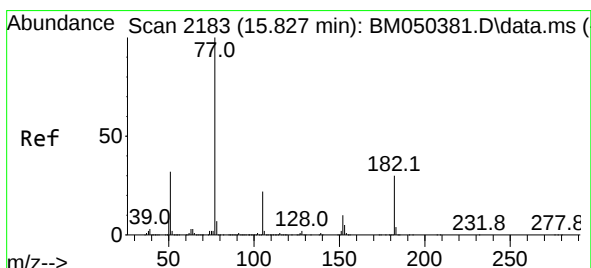
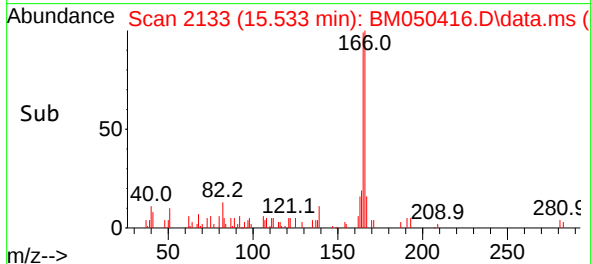
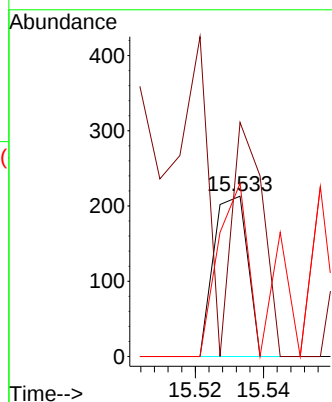
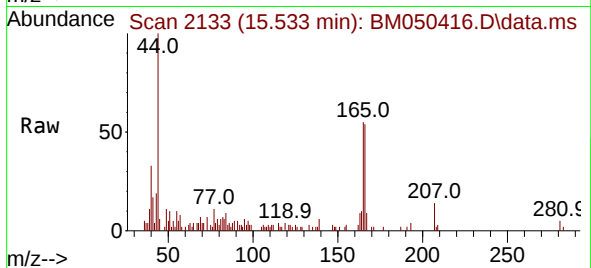




#62
4-Nitroaniline
Concen: 2.597 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

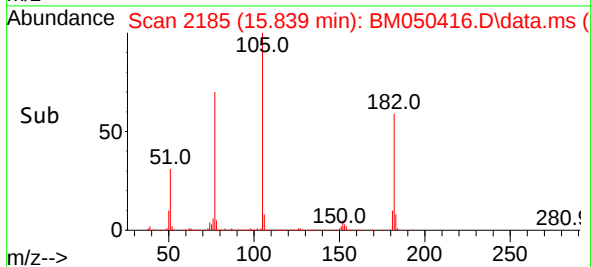
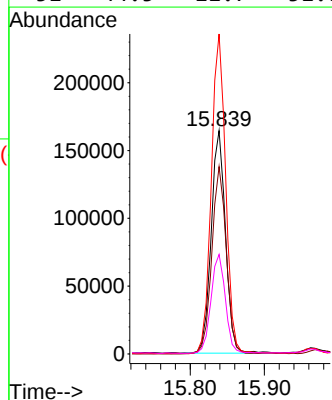
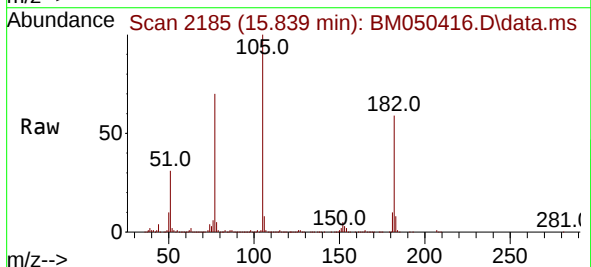
Instrument :
BNA_M
ClientSampleId :
VNJ-245

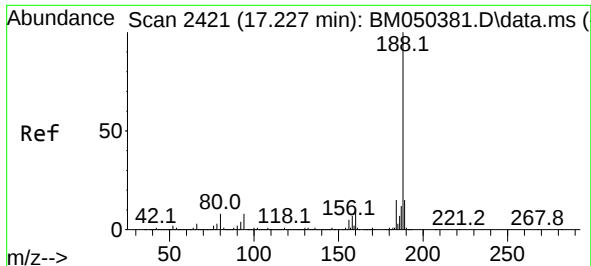
Tgt Ion:138 Resp: 146
Ion Ratio Lower Upper
138 100
92 146.0 24.5 64.5#
108 108.0 52.5 92.5#



#63
Azobenzene
Concen: 4.349 ng
RT: 15.839 min Scan# 2185
Delta R.T. 0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Tgt Ion: 77 Resp: 221539
Ion Ratio Lower Upper
77 100
182 83.8 10.0 50.0#
105 143.2 2.0 42.0#
51 44.5 11.7 51.7

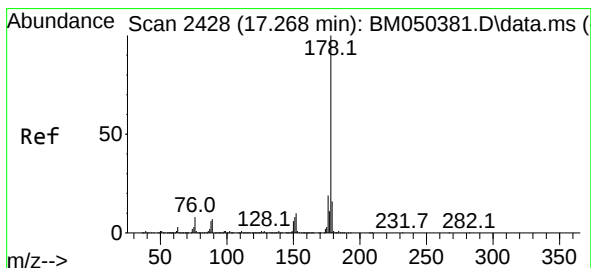
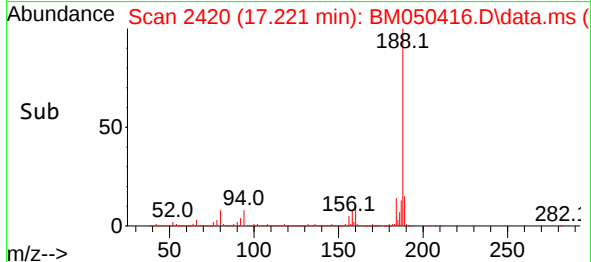
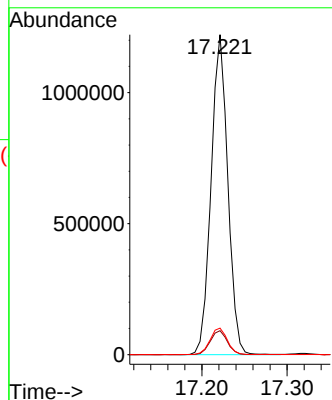
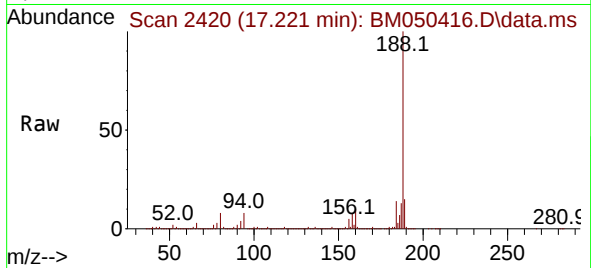




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

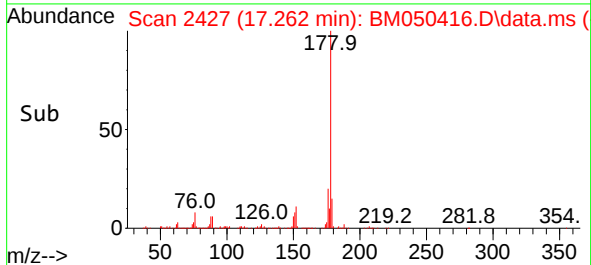
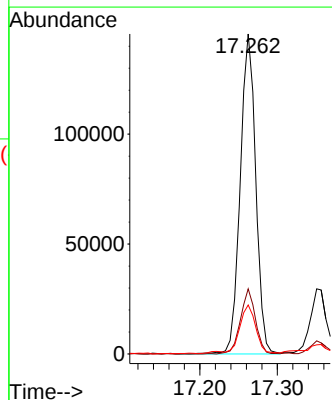
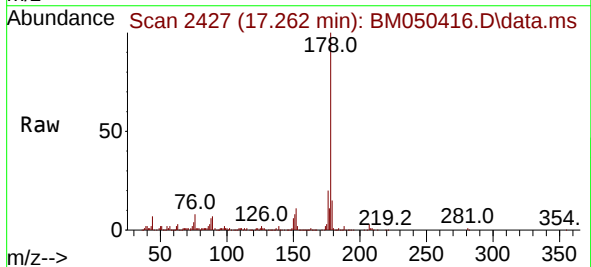
Instrument :
BNA_M
ClientSampleId :
VNJ-245

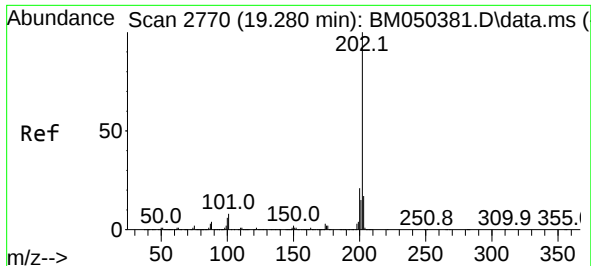
Tgt Ion:188 Resp: 1662400
Ion Ratio Lower Upper
188 100
94 7.5 6.0 9.0
80 8.3 6.5 9.7



#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

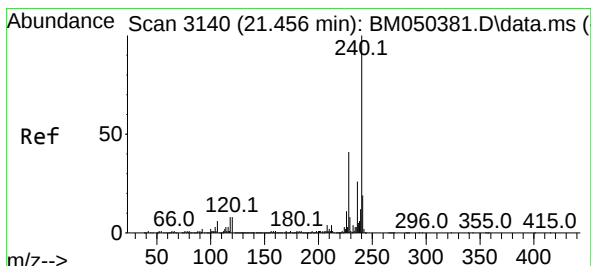
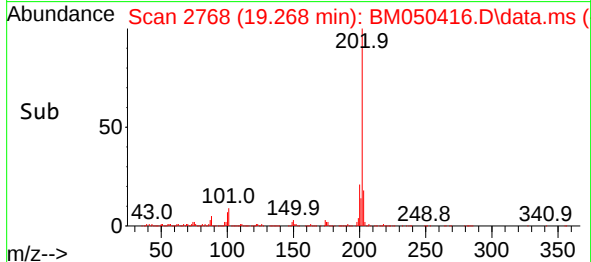
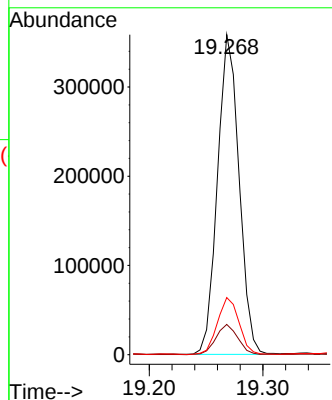
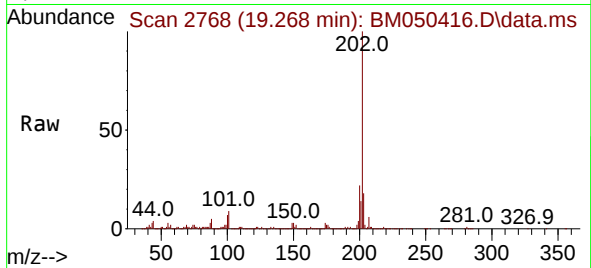




#75
Fluoranthene
Concen: 4.638 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

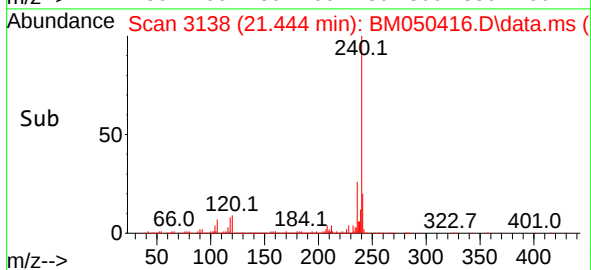
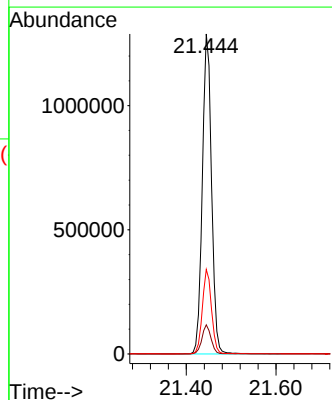
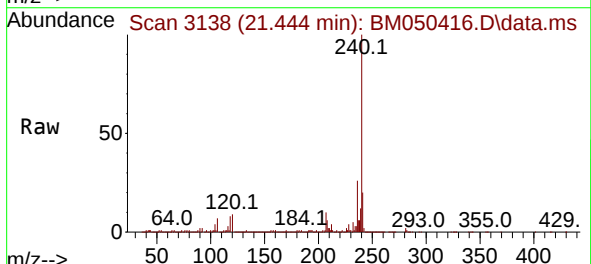
Instrument :
BNA_M
ClientSampleId :
VNJ-245

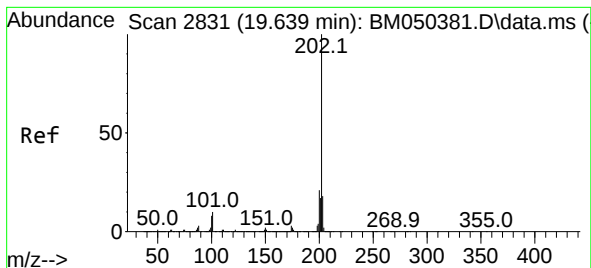
Tgt Ion:202 Resp: 474321
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.3
203 17.8 0.0 37.2



#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

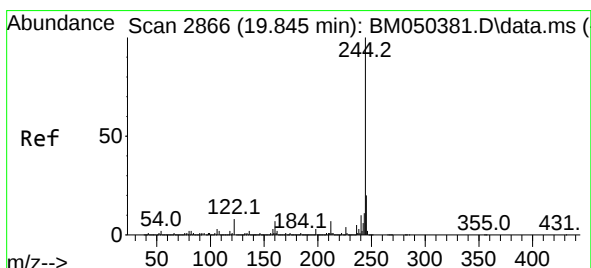
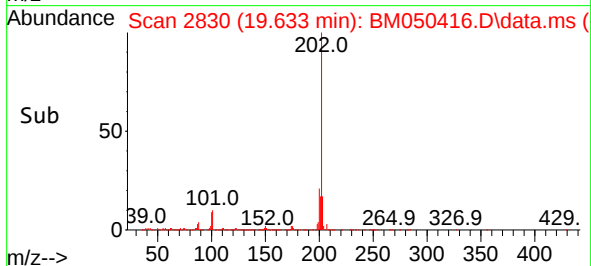
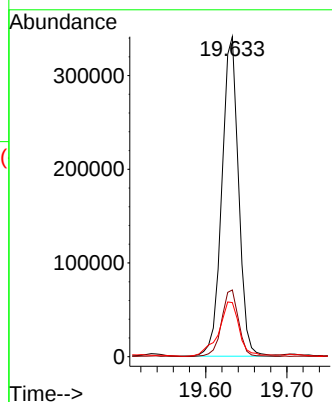
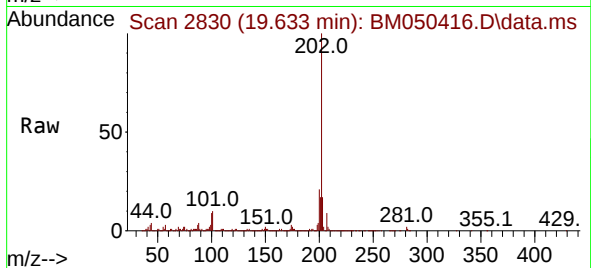
Tgt Ion:202 Resp: 488495

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

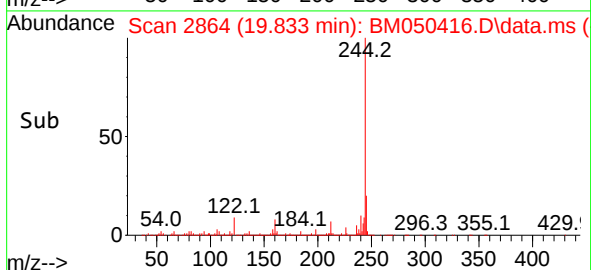
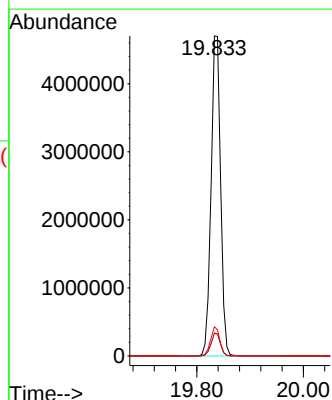
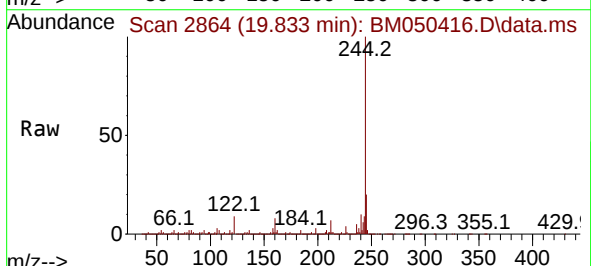
Tgt Ion:244 Resp: 5818851

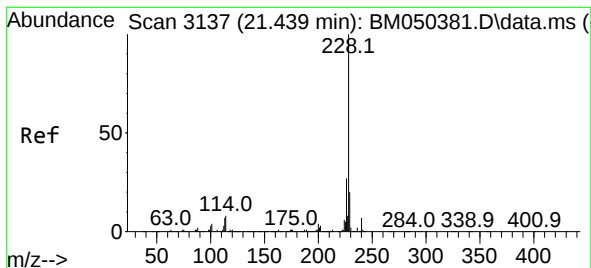
Ion Ratio Lower Upper

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# 3137

Delta R.T. -0.012 min

Lab File: BM050416.D

Acq: 11 Jul 2025 17:08

Instrument :

BNA_M

ClientSampleId :

VNJ-245

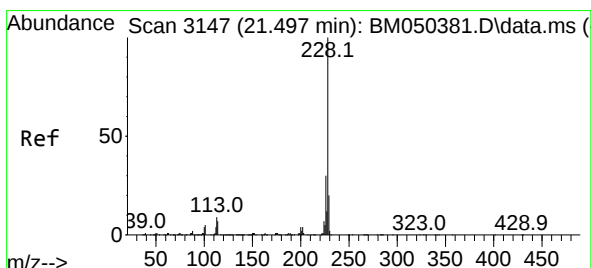
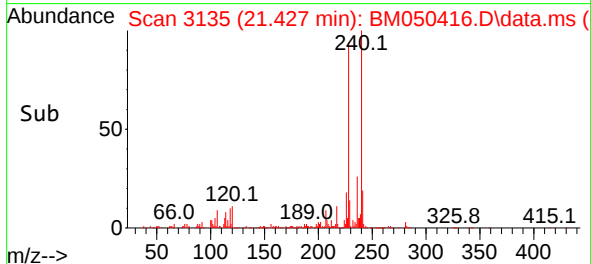
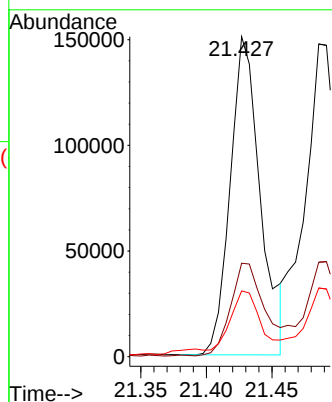
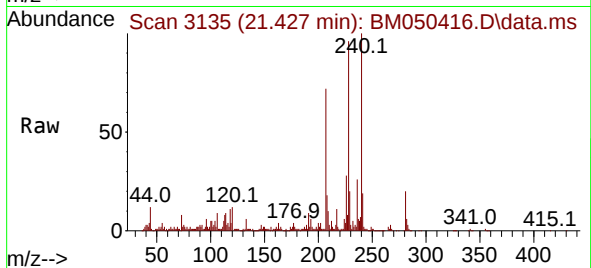
Tgt Ion:228 Resp: 241064

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

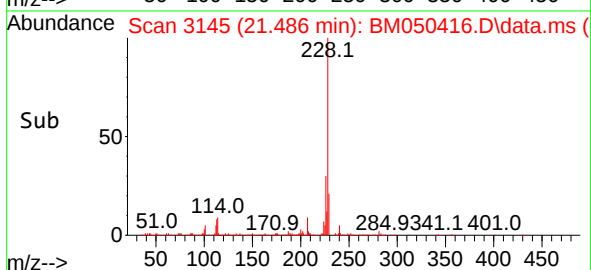
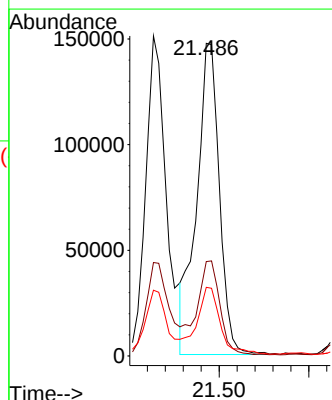
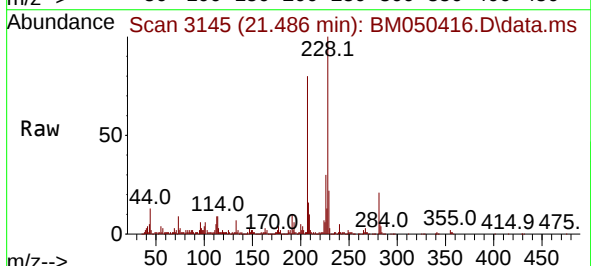
Tgt Ion:228 Resp: 260423

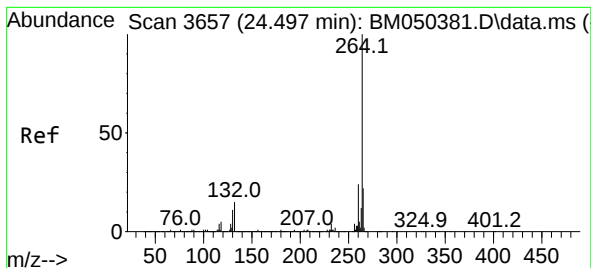
Ion Ratio Lower Upper

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

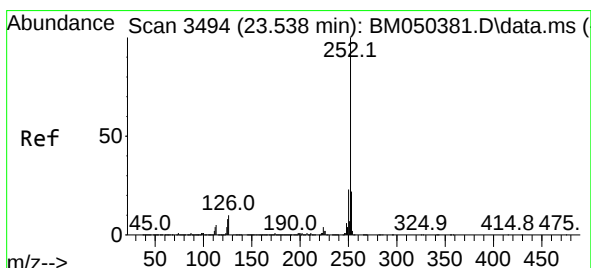
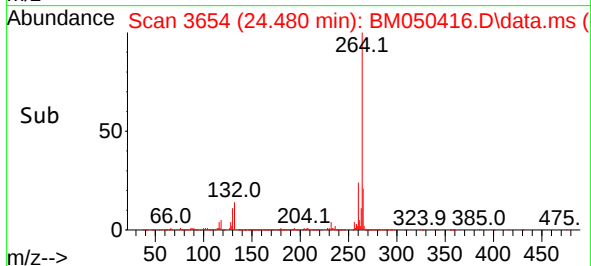
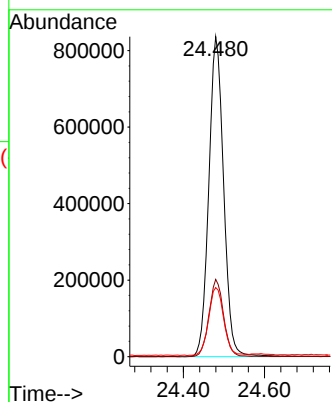
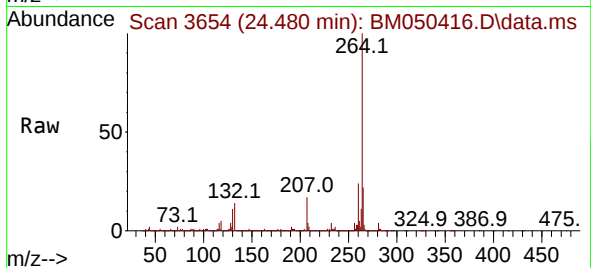
Tgt Ion:264 Resp: 2108357

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

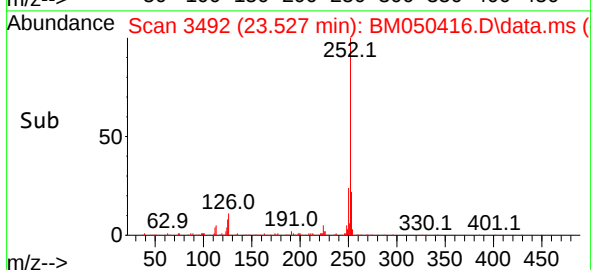
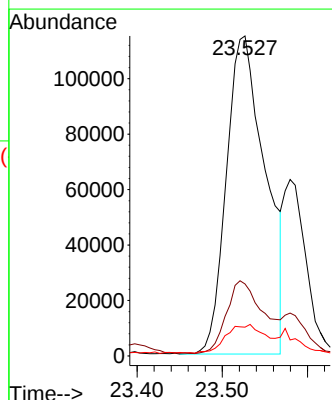
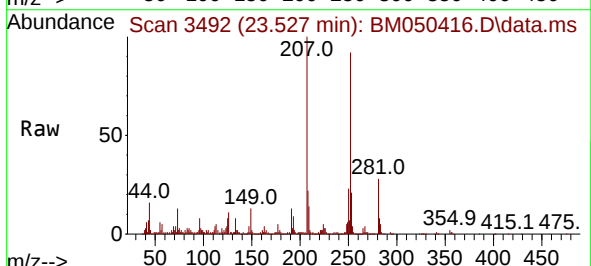
Tgt Ion:252 Resp: 365178

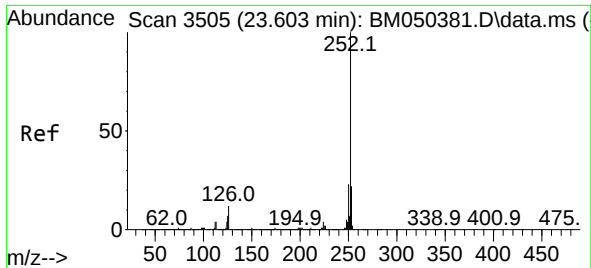
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

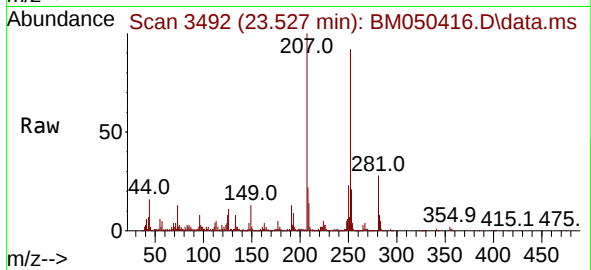
125 9.0 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 2.714 ng
RT: 23.527 min Scan# 34
Delta R.T. -0.076 min
Lab File: BM050416.D
Acq: 11 Jul 2025 17:08

Instrument :
BNA_M
ClientSampleId :
VNJ-245



Tgt Ion:252 Resp: 365178
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.0 6.2 9.2

