

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
 Data File : BM049902.D
 Acq On : 11 Apr 2025 15:36
 Operator : RC/JU
 Sample : Q1771-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-3A

Quant Time: Apr 11 16:23:58 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)

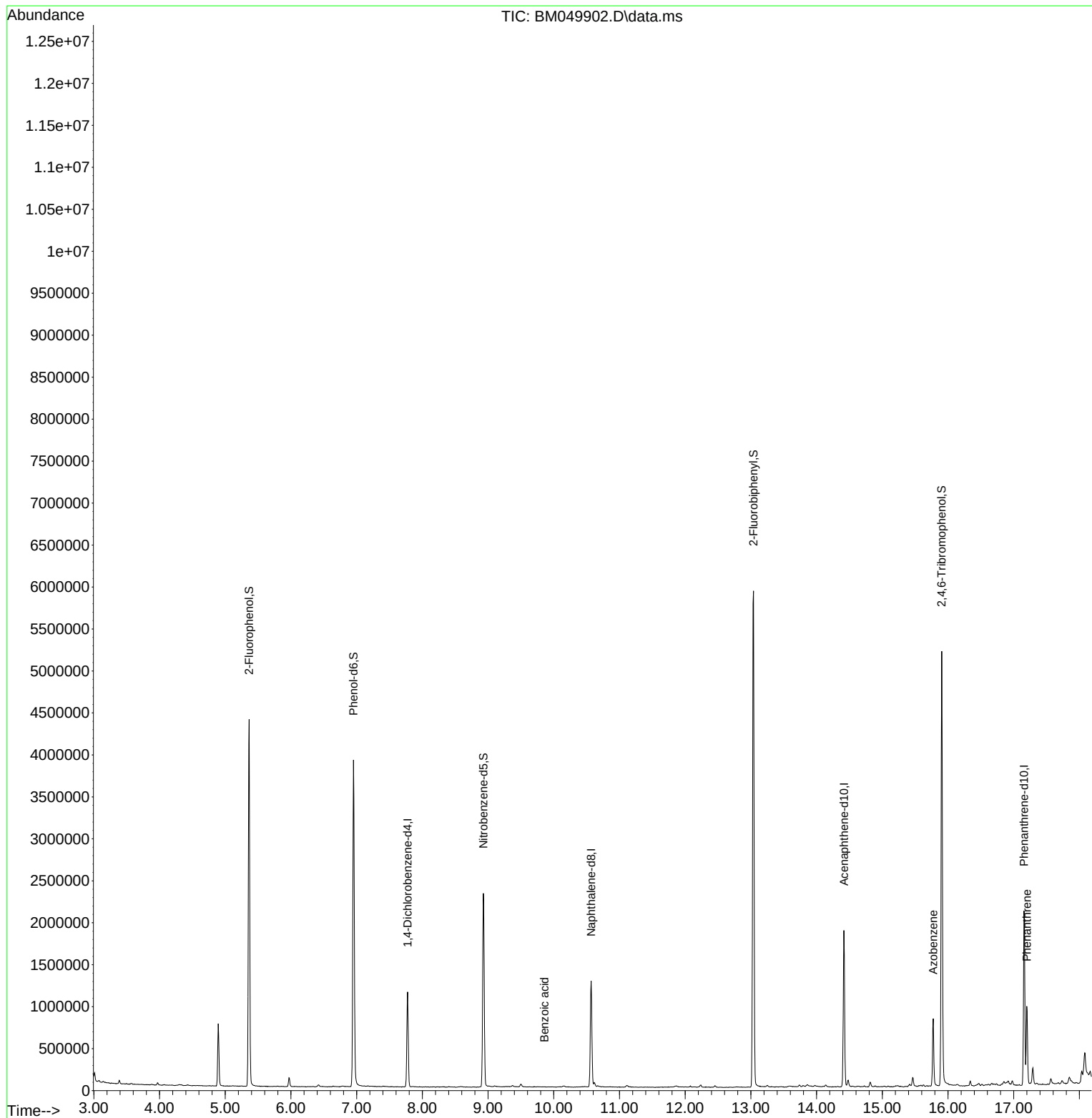
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	318288	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1072377	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	674862	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1281737	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1226733	20.000	ng	0.00
86) Perylene-d12	24.392	264	1305987	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1964281	104.795	ng	0.00
7) Phenol-d6	6.952	99	2353959	100.937	ng	0.00
23) Nitrobenzene-d5	8.928	82	1344405	69.811	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1034010	105.338	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	3373588	67.786	ng	0.00
79) Terphenyl-d14	19.786	244	4844216	74.004	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.857	122	297	8.556	ng	# 1
63) Azobenzene	15.775	77	210125	5.375	ng	# 1
71) Phenanthrene	17.198	178	593425	8.445	ng	98
75) Fluoranthene	19.216	202	802687	9.290	ng	99
78) Pyrene	19.580	202	678708	8.028	ng	100
81) Benzo(a)anthracene	21.380	228	343827	4.217	ng	96
83) Chrysene	21.439	228	313551	4.045	ng	98
88) Benzo(b)fluoranthene	23.451	252	369137	4.426	ng	# 95
89) Benzo(k)fluoranthene	23.451	252	369137	4.567	ng	# 95
90) Benzo(a)pyrene	24.251	252	269553	3.678	ng	96
92) Benzo(g,h,i)perylene	28.815	276	166609	2.033	ng	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049902.D
Acq On : 11 Apr 2025 15:36
Operator : RC/JU
Sample : Q1771-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-3A

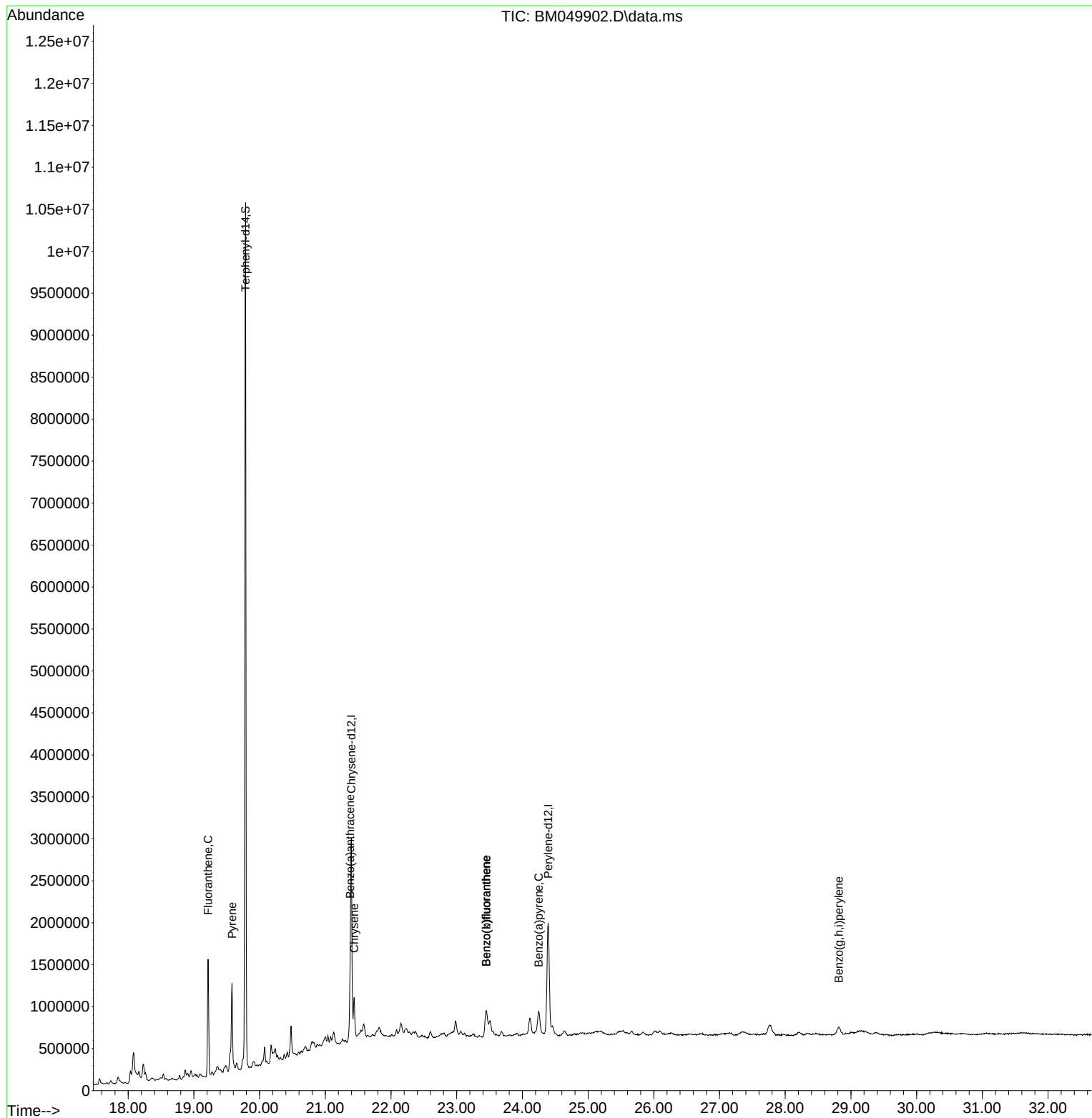
Quant Time: Apr 11 16:23:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

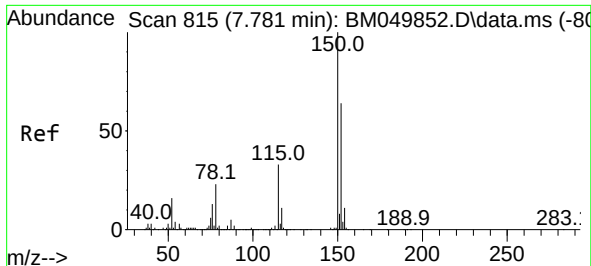


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049902.D
Acq On : 11 Apr 2025 15:36
Operator : RC/JU
Sample : Q1771-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-3A

Quant Time: Apr 11 16:23:58 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

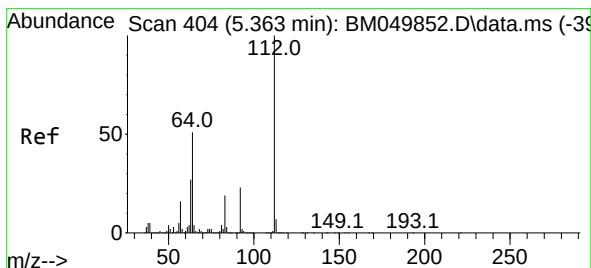
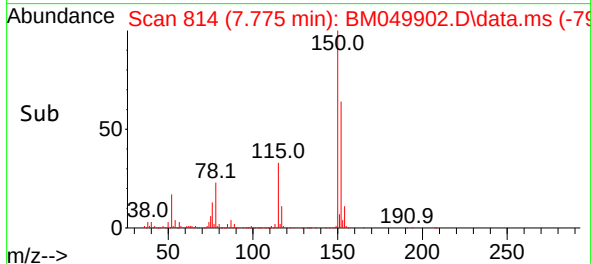
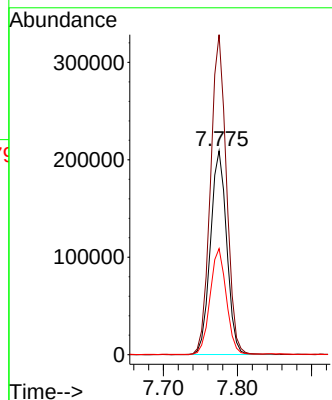
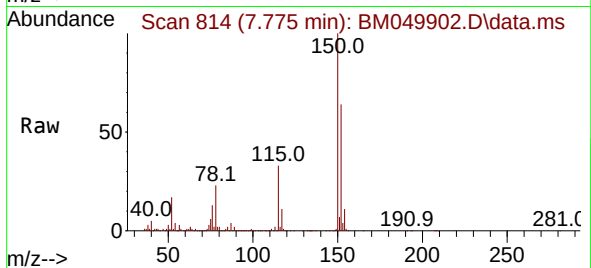




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

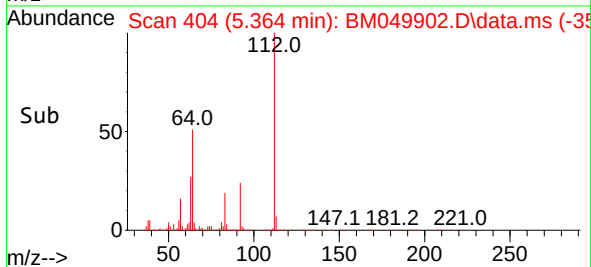
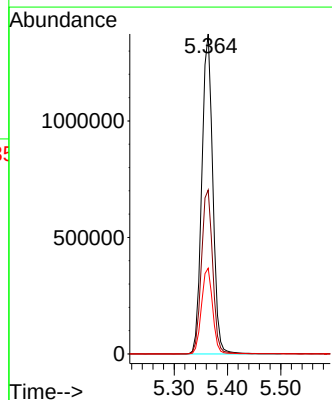
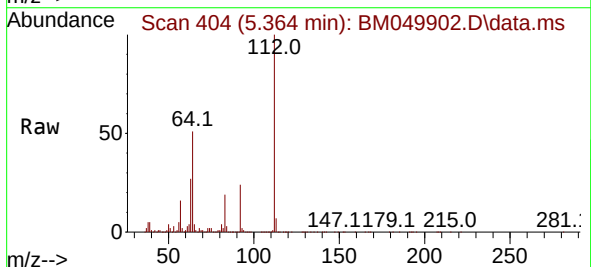
Instrument :
BNA_M
ClientSampleId :
TP-3A

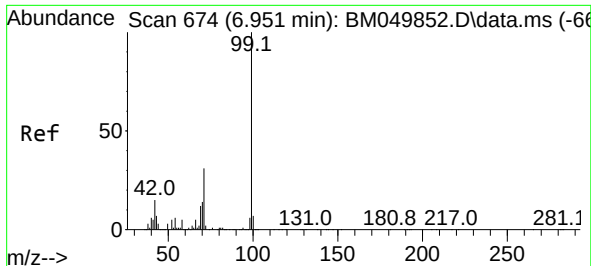
Tgt Ion:152 Resp: 318288
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 52.1 41.1 61.7



#5
2-Fluorophenol
Concen: 104.795 ng
RT: 5.364 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:112 Resp: 1964281
Ion Ratio Lower Upper
112 100
64 51.2 41.0 61.6
63 26.8 21.5 32.3

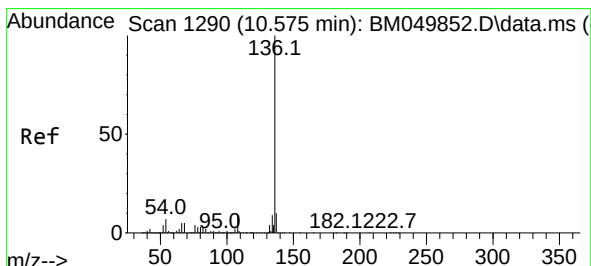
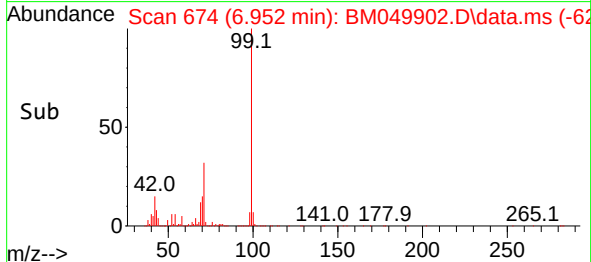
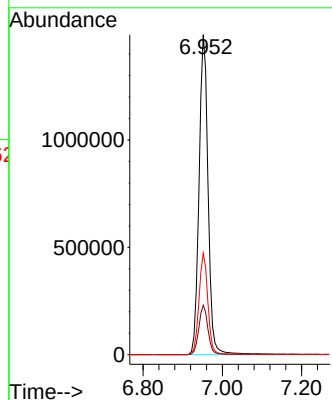
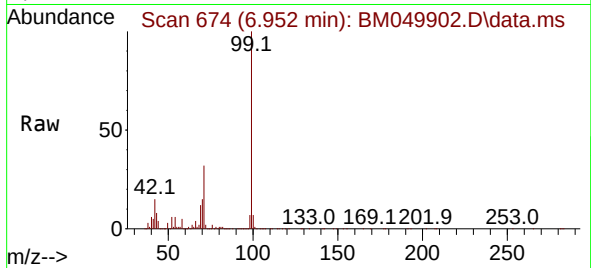




#7
Phenol-d6
Concen: 100.937 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

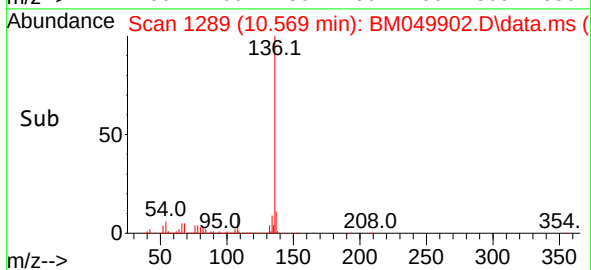
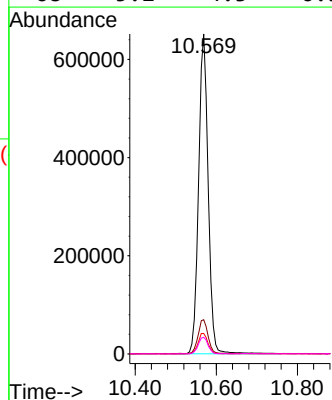
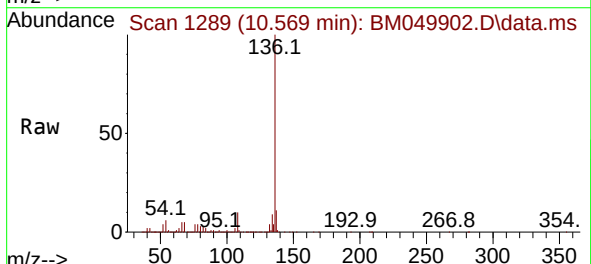
Instrument :
BNA_M
ClientSampleId :
TP-3A

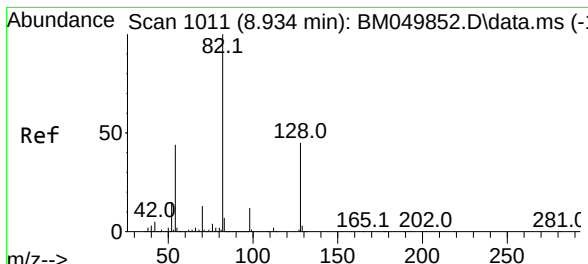
Tgt Ion: 99 Resp: 2353959
Ion Ratio Lower Upper
99 100
42 15.5 12.1 18.1
71 31.7 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 136 Resp: 1072377
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.4 5.3 7.9
68 5.2 4.3 6.5



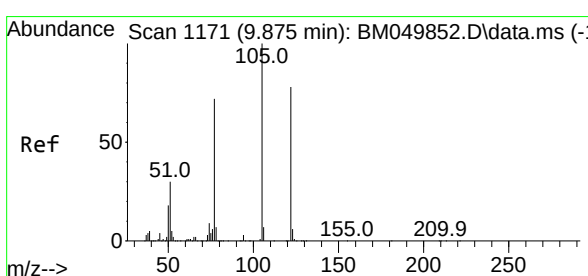
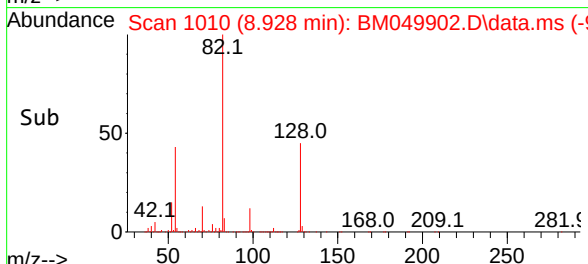
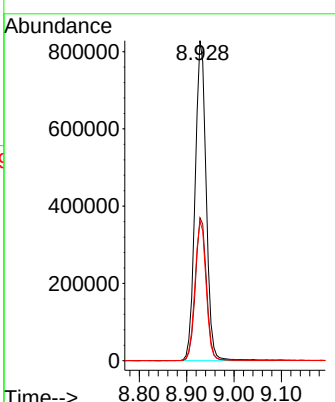
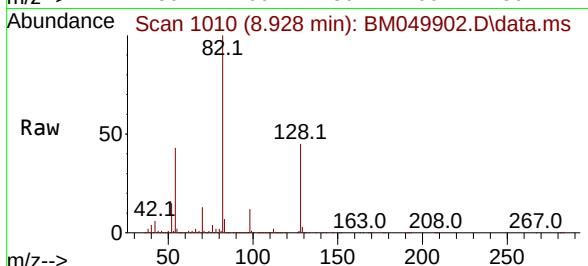


#23
 Nitrobenzene-d5
 Concen: 69.811 ng
 RT: 8.928 min Scan# 1168
 Delta R.T. -0.005 min
 Lab File: BM049902.D
 Acq: 11 Apr 2025 15:36

Instrument :
 BNA_M
 ClientSampleId :
 TP-3A

Tgt Ion: 82 Resp: 1344405

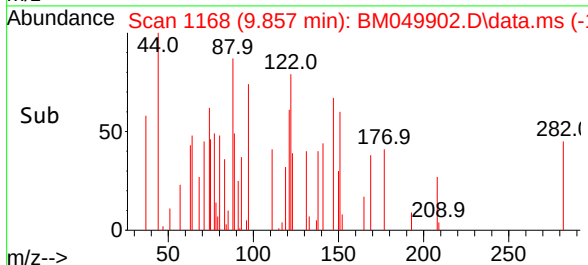
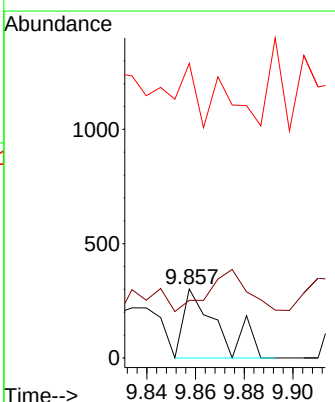
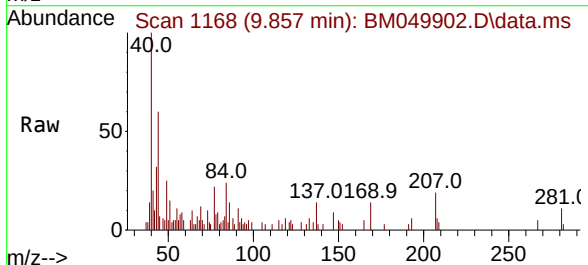
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.2	54.2
54	43.5	35.0	52.6

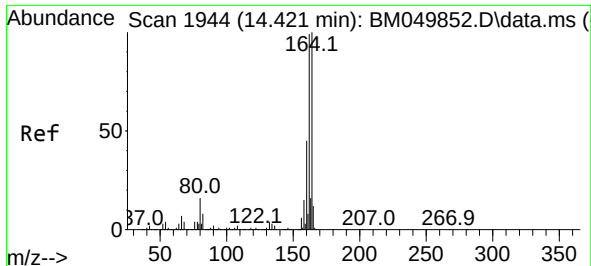


#32
 Benzoic acid
 Concen: 8.556 ng
 RT: 9.857 min Scan# 1168
 Delta R.T. -0.018 min
 Lab File: BM049902.D
 Acq: 11 Apr 2025 15:36

Tgt Ion: 122 Resp: 297

Ion	Ratio	Lower	Upper
122	100		
105	83.4	103.8	143.8#
77	426.8	70.7	110.7#

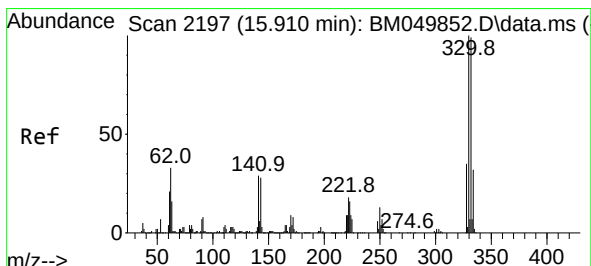
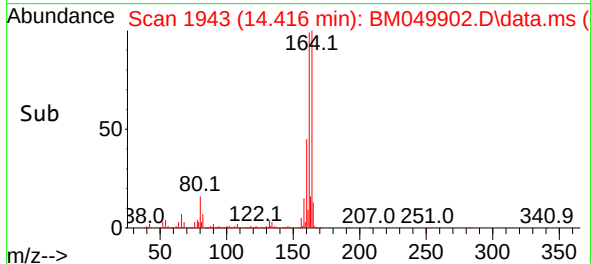
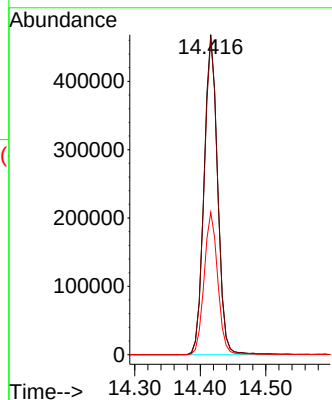
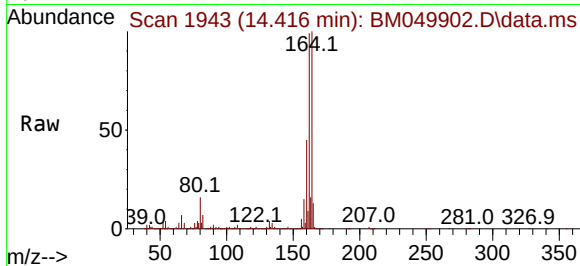




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

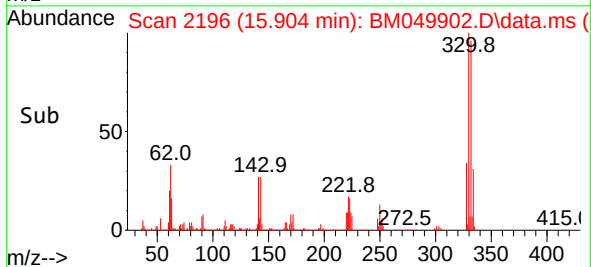
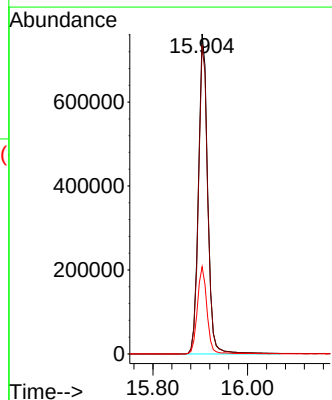
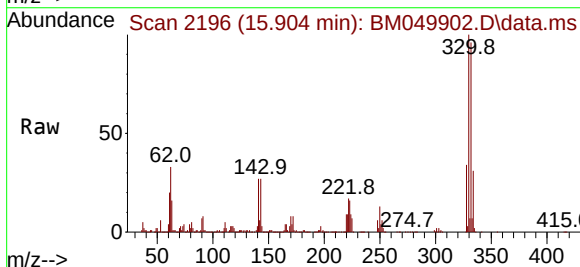
Instrument :
BNA_M
ClientSampleId :
TP-3A

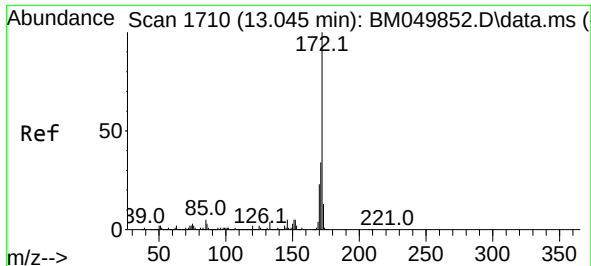
Tgt Ion:164 Resp: 674862
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 105.338 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:330 Resp: 1034010
Ion Ratio Lower Upper
330 100
332 97.1 78.0 117.0
141 28.3 23.5 35.3

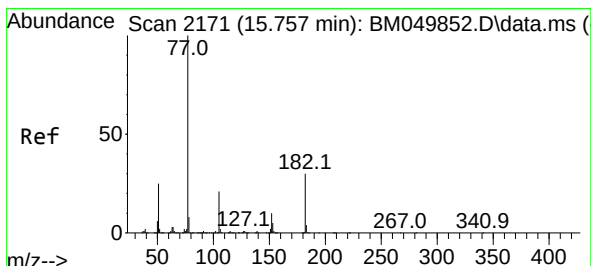
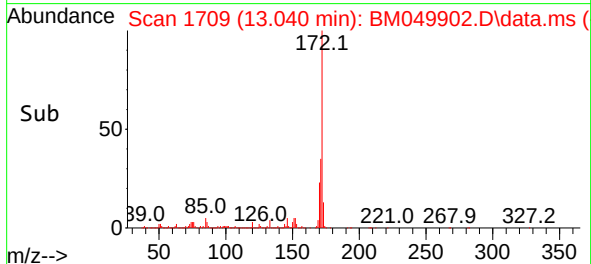
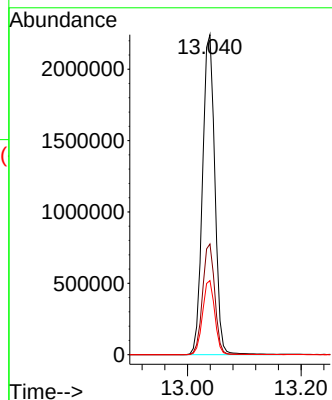
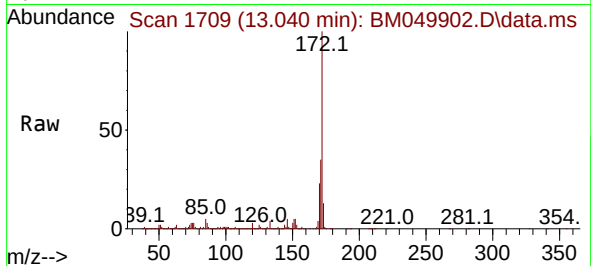




#45
2-Fluorobiphenyl
Concen: 67.786 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

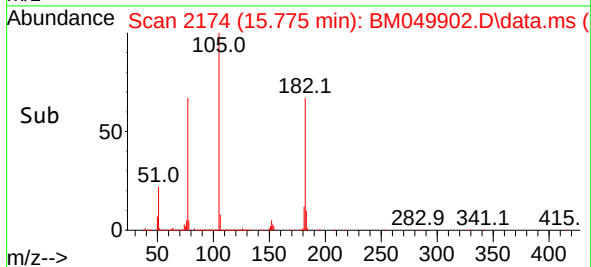
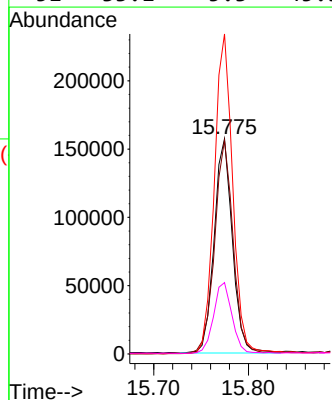
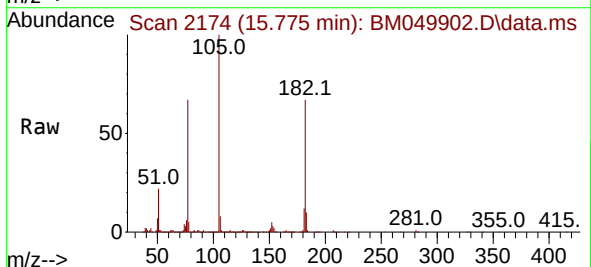
Instrument :
BNA_M
ClientSampleId :
TP-3A

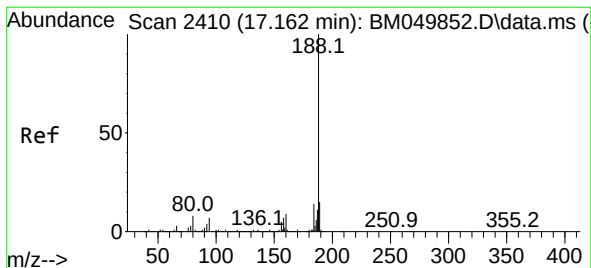
Tgt Ion:172 Resp: 3373588
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.1 18.6 28.0



#63
Azobenzene
Concen: 5.375 ng
RT: 15.775 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 77 Resp: 210125
Ion Ratio Lower Upper
77 100
182 99.3 10.4 50.4#
105 148.7 1.5 41.5#
51 33.1 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

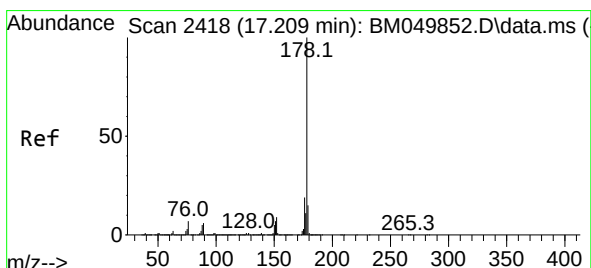
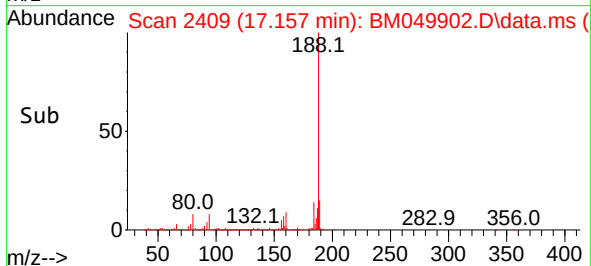
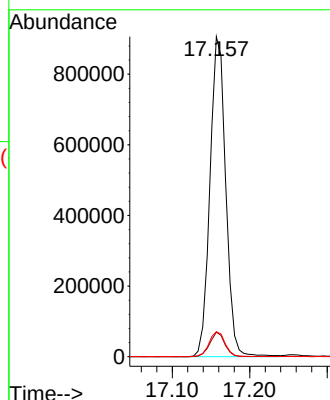
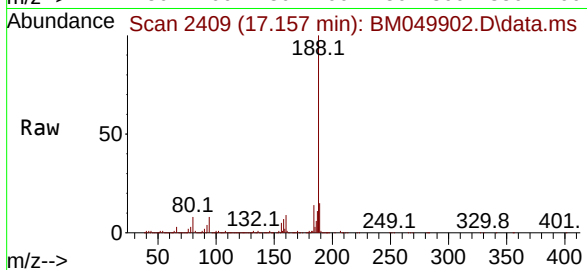
Tgt Ion:188 Resp: 1281737

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 8.445 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

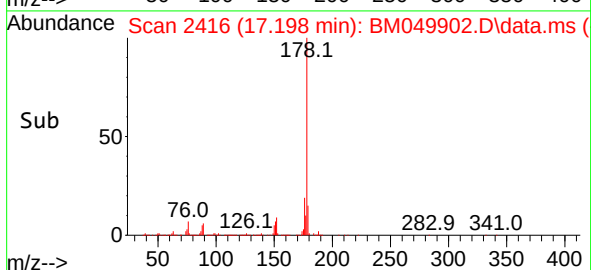
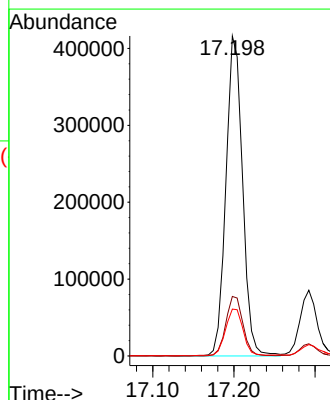
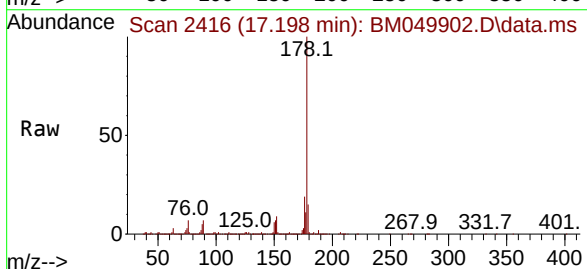
Tgt Ion:178 Resp: 593425

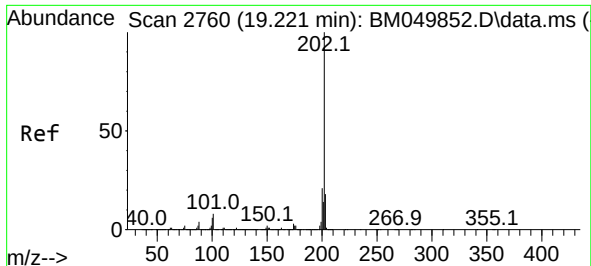
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 14.6 12.3 18.5

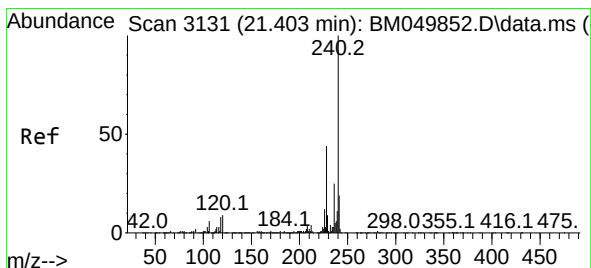
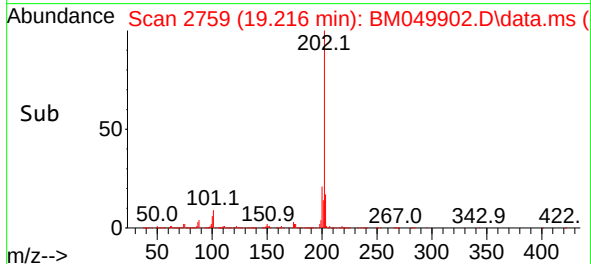
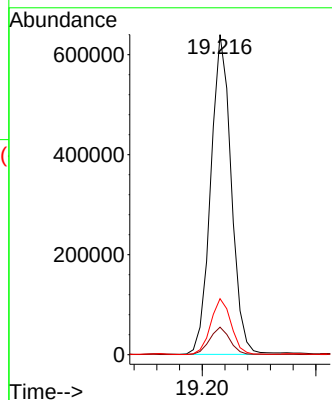
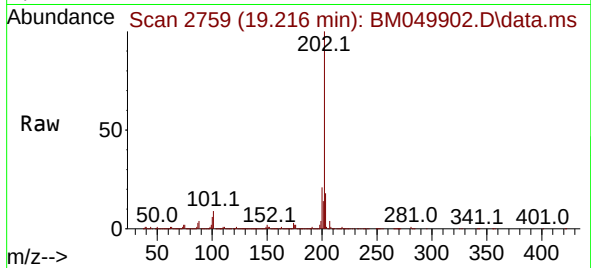




#75
Fluoranthene
Concen: 9.290 ng
RT: 19.216 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

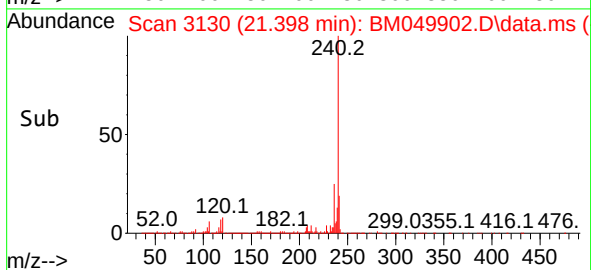
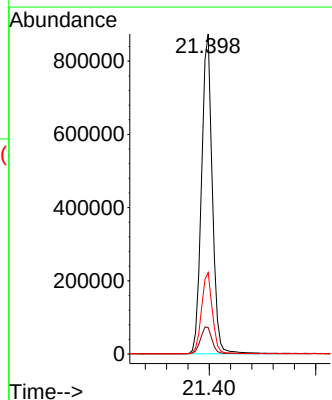
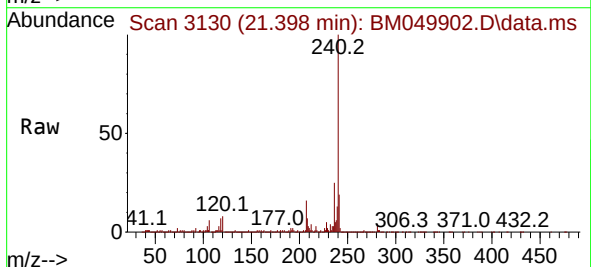
Instrument :
BNA_M
ClientSampleId :
TP-3A

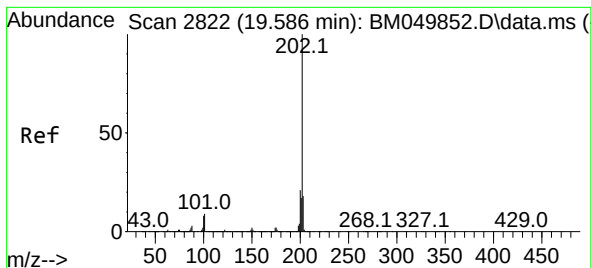
Tgt Ion:202 Resp: 802687
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.4
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:240 Resp: 1226733
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.5 20.4 30.6





#78

Pyrene

Concen: 8.028 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

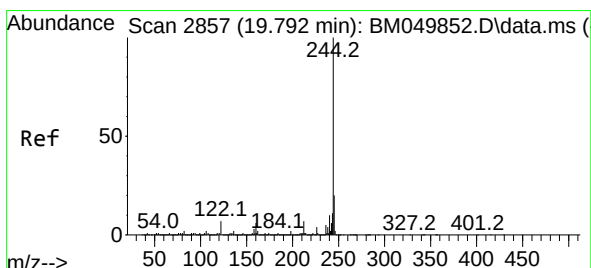
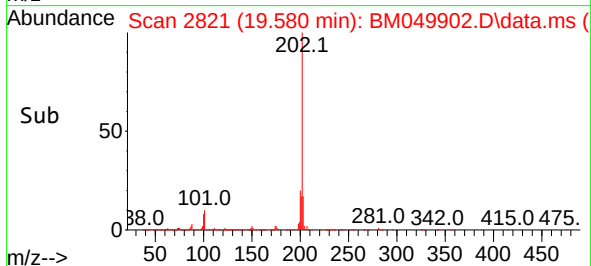
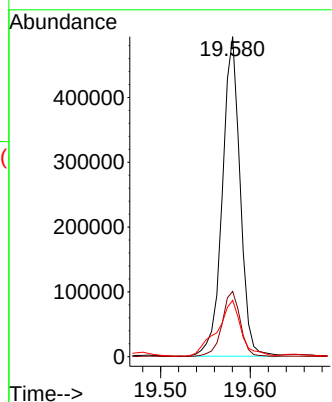
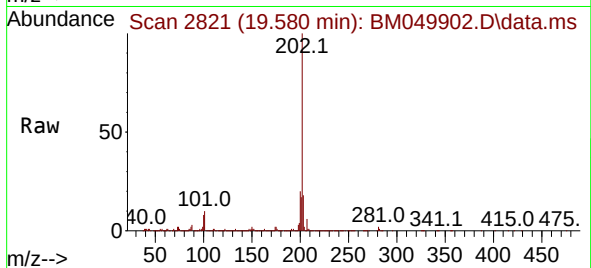
Tgt Ion:202 Resp: 678708

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 74.004 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

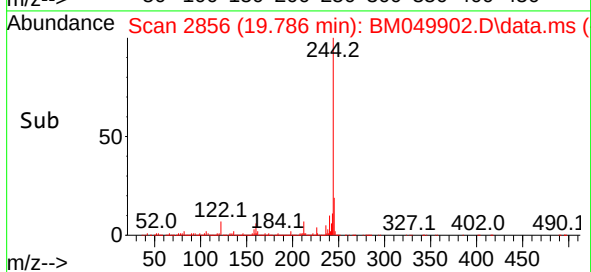
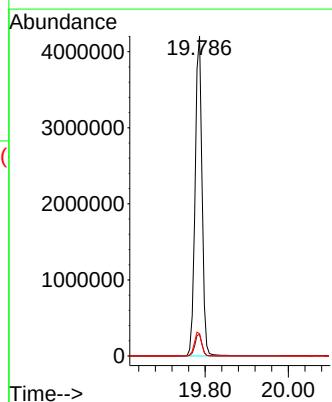
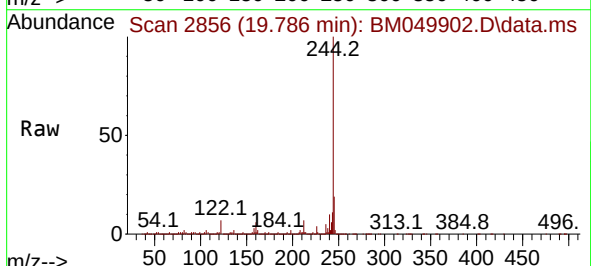
Tgt Ion:244 Resp: 4844216

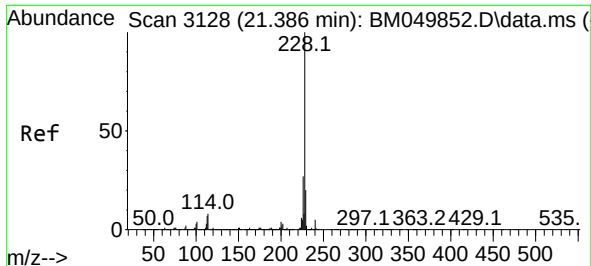
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.0 5.4 8.0

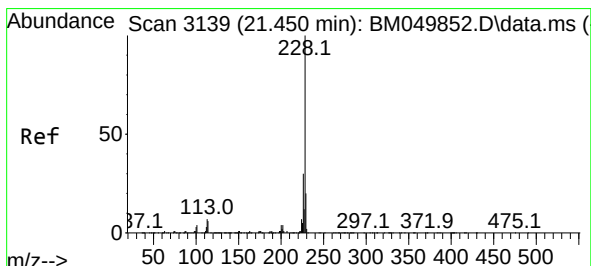
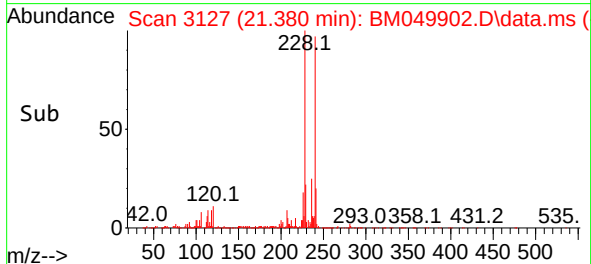
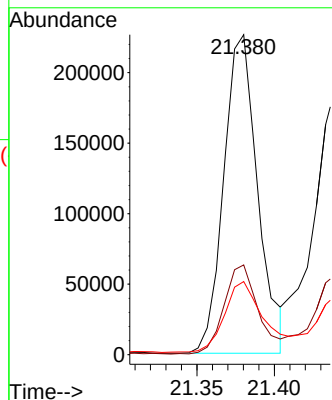
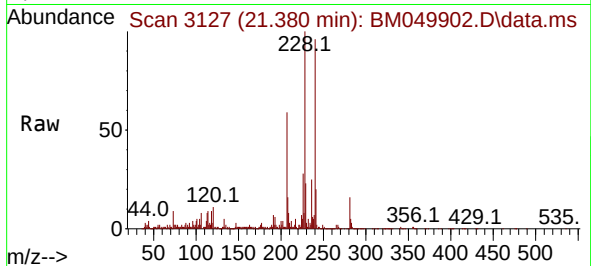




#81
Benzo(a)anthracene
Concen: 4.217 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.005 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

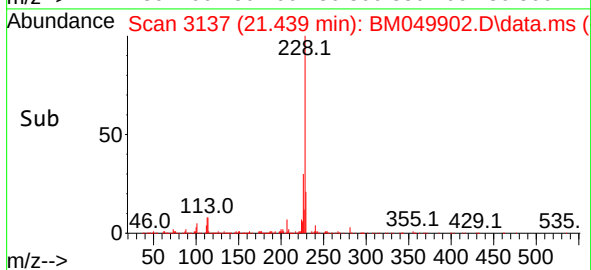
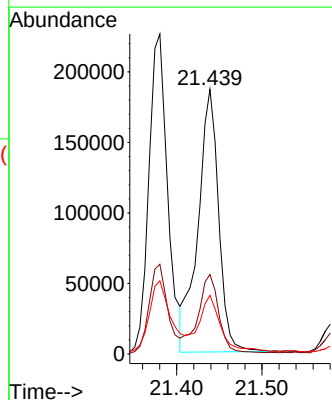
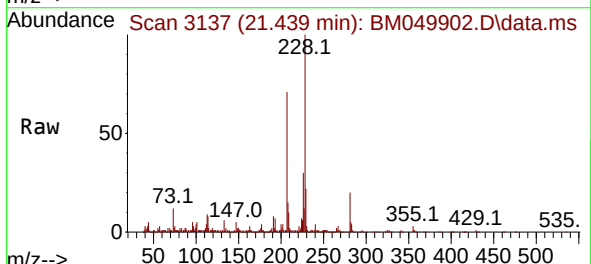
Instrument :
BNA_M
ClientSampleId :
TP-3A

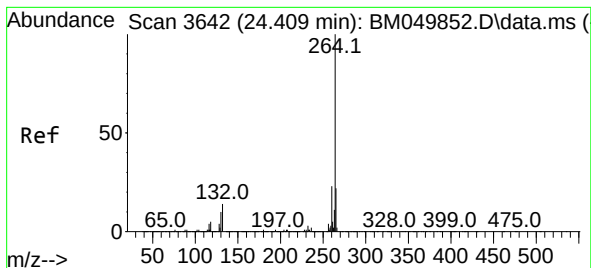
Tgt Ion:228 Resp: 343827
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 22.8 15.8 23.8



#83
Chrysene
Concen: 4.045 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.011 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:228 Resp: 313551
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 22.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.392 min Scan# 3

Delta R.T. -0.017 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A

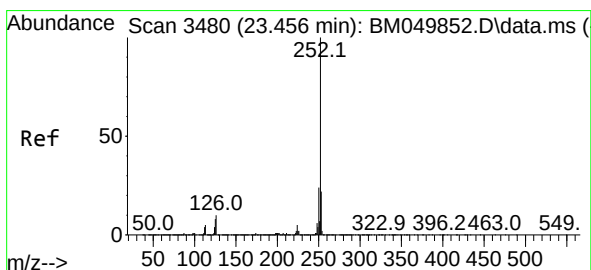
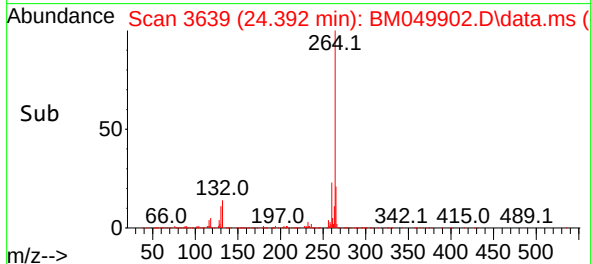
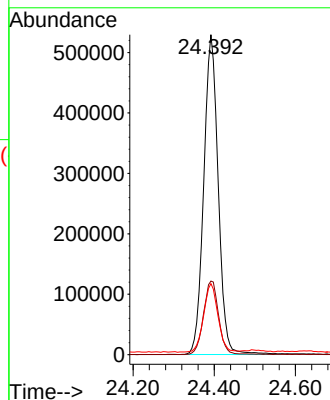
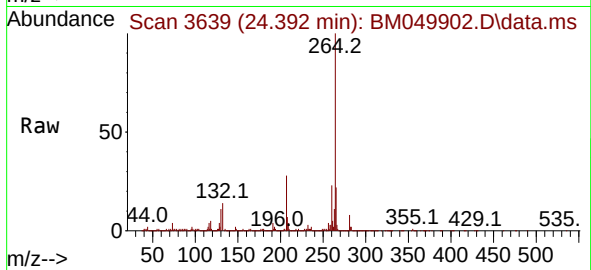
Tgt Ion:264 Resp: 1305987

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 22.2 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.426 ng

RT: 23.451 min Scan# 3479

Delta R.T. -0.005 min

Lab File: BM049902.D

Acq: 11 Apr 2025 15:36

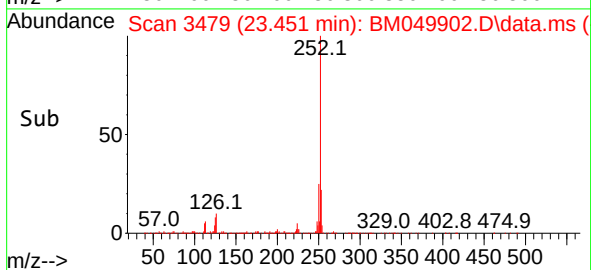
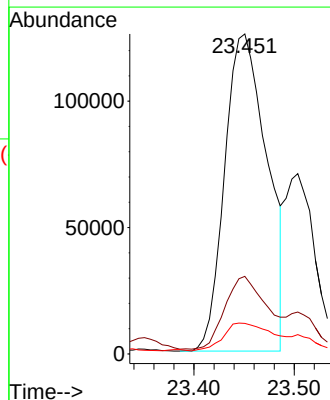
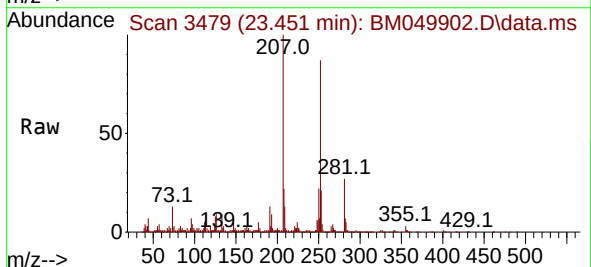
Tgt Ion:252 Resp: 369137

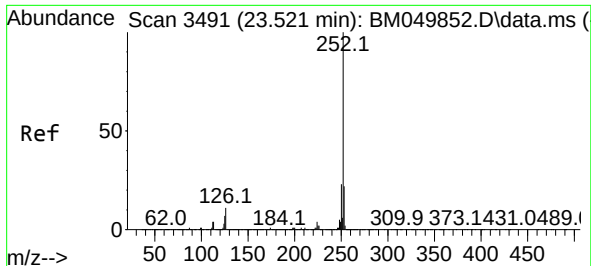
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 9.6 6.2 9.4#

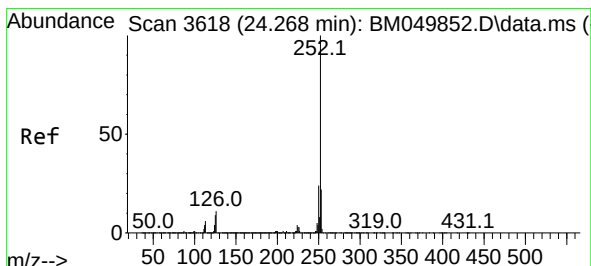
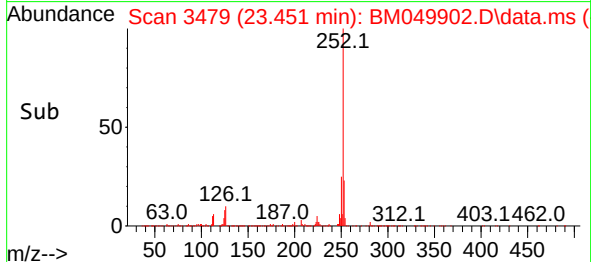
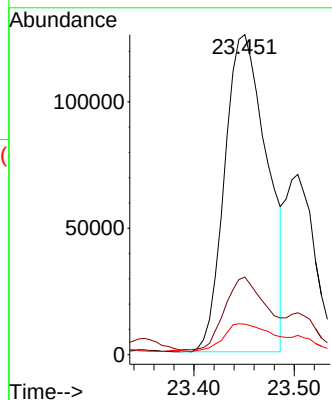
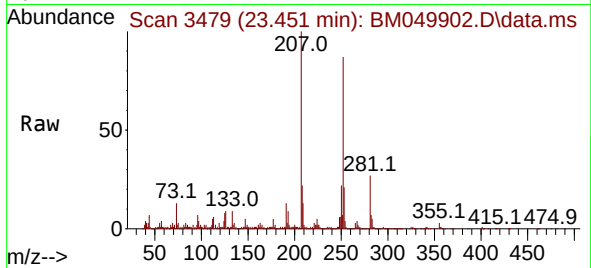




#89
Benzo(k)fluoranthene
Concen: 4.567 ng
RT: 23.451 min Scan# 3491
Delta R.T. -0.070 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

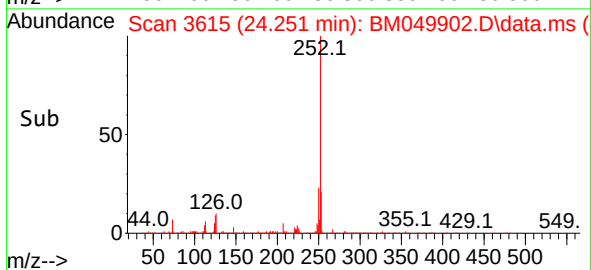
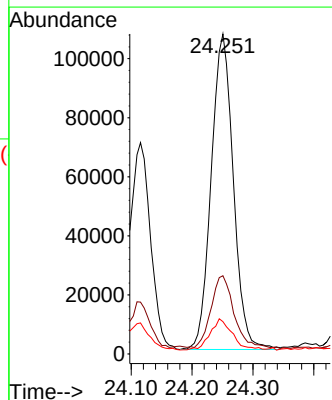
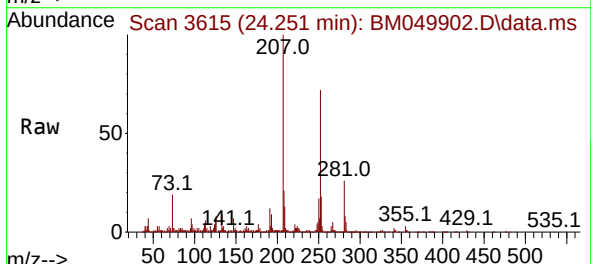
Instrument :
BNA_M
ClientSampleId :
TP-3A

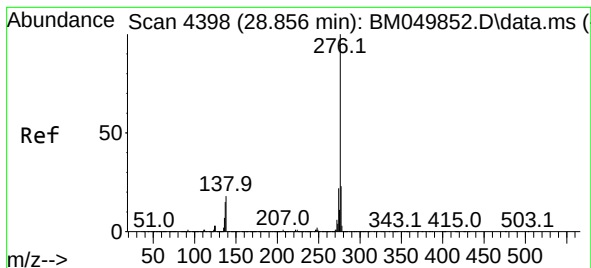
Tgt Ion:252 Resp: 369137
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 9.6 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 3.678 ng
RT: 24.251 min Scan# 3615
Delta R.T. -0.017 min
Lab File: BM049902.D
Acq: 11 Apr 2025 15:36

Tgt Ion:252 Resp: 269553
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 10.1 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 2.033 ng

RT: 28.815 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM049902.D

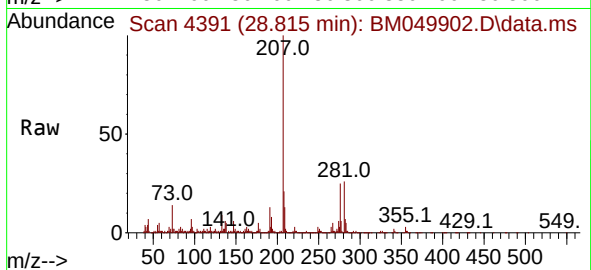
Acq: 11 Apr 2025 15:36

Instrument :

BNA_M

ClientSampleId :

TP-3A



Tgt Ion:276 Resp: 166609

Ion Ratio Lower Upper

276 100

277 25.6 18.7 28.1

138 20.6 14.6 21.8

