

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049421.D
 Acq On : 23 Jan 2025 16:10
 Operator : RC/JU
 Sample : Q1139-09DL 10X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH6DL

Quant Time: Jan 23 23:19:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

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

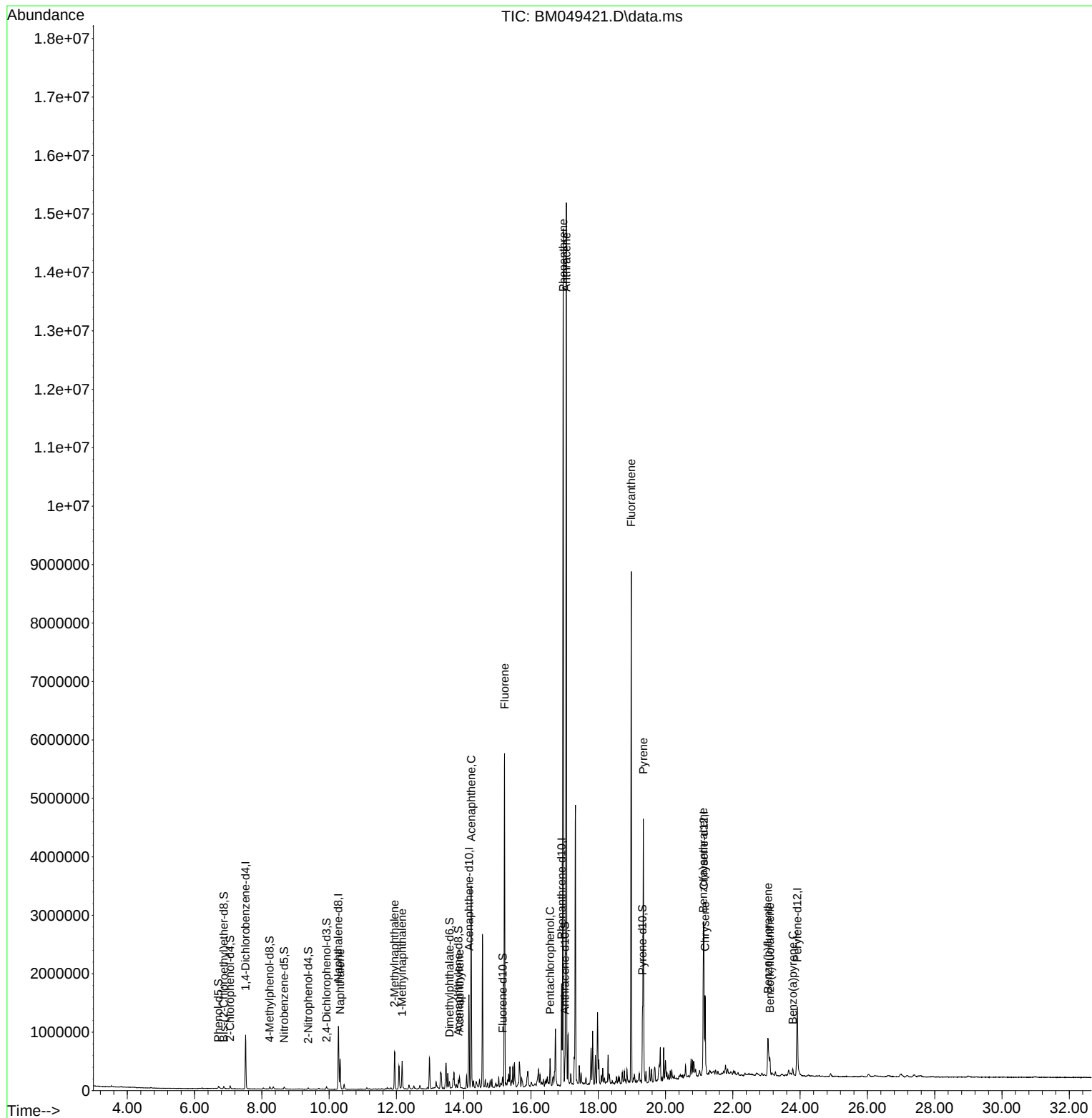
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	250650	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	882744	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	547273	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1082712	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1064094	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	1050948	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	1804	0.298	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.710	99	23861	1.134	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	20392	1.455	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	21583	1.341	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	17261	1.058	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	8637	1.283	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	8182	1.087	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	17824	1.161	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.574	166	67909	1.667	ng/u1	-0.01
49) Acenaphthylene-d8	13.845	160	66775	1.436	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.157	176	55554	1.579	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	2667	0.387	ng/u1	0.00
73) Anthracene-d10	17.010	188	87078	1.627	ng/u1	0.00
81) Pyrene-d10	19.309	212	79181	1.223	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.721	264	41892	0.743	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.328	128	413253	8.821	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	310288	9.256	ng/u1	100
37) 1-Methylnaphthalene	12.169	142	223575	6.703	ng/u1	100
50) Acenaphthylene	13.874	152	74465	1.562	ng/u1#	94
52) Acenaphthene	14.221	153	1305800	38.338	ng/u1	99
61) Fluorene	15.216	166	2490147	63.012	ng/u1	99
71) Pentachlorophenol	16.568	266	69303	7.306	ng/u1	98
72) Phenanthrene	16.957	178	9098469	151.157	ng/u1	99
74) Anthracene	17.051	178	10060446	166.517	ng/u1	99
80) Fluoranthene	18.980	202	5170992	69.490	ng/u1	99
82) Pyrene	19.339	202	2795070	35.286	ng/u1	98
85) Benzo(a)anthracene	21.121	228	914722	12.335	ng/u1	99
87) Chrysene	21.174	228	871268	12.870	ng/u1	98
90) Benzo(b)fluoranthene	23.044	252	696404	9.900	ng/u1	100
91) Benzo(k)fluoranthene	23.097	252	209726	2.990	ng/u1	98
93) Benzo(a)pyrene	23.786	252	116679	1.836	ng/u1	97

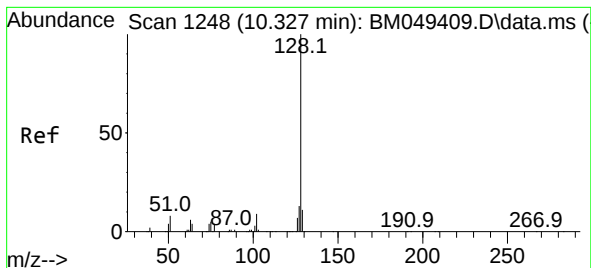
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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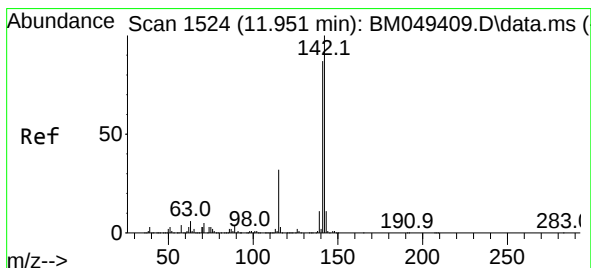
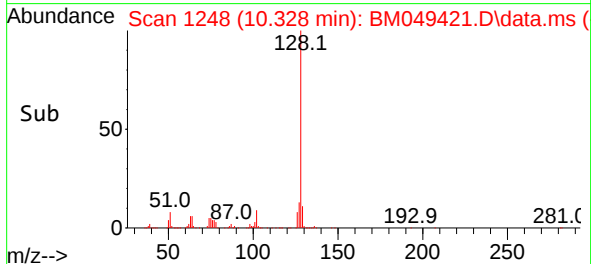
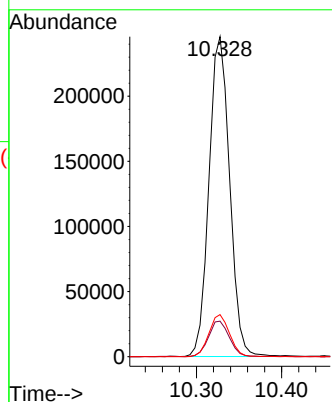
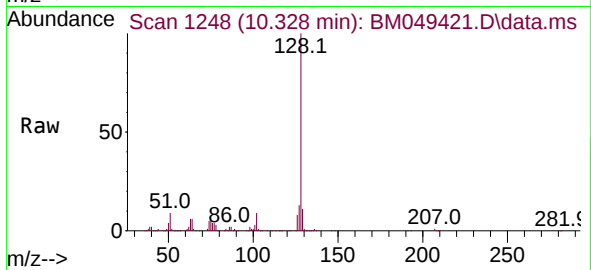




#30
Naphthalene
Concen: 8.821 ng/ul
RT: 10.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

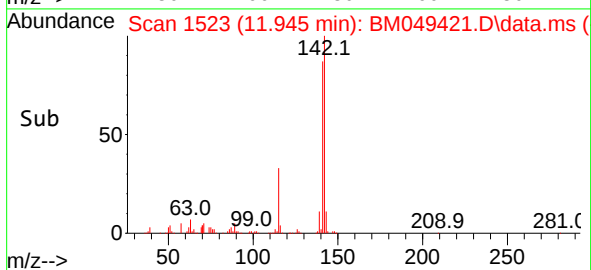
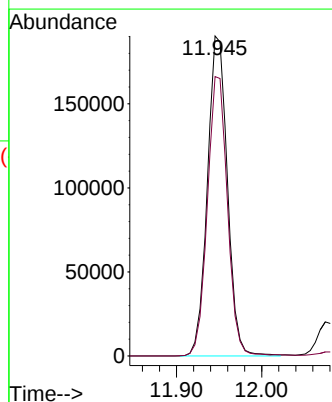
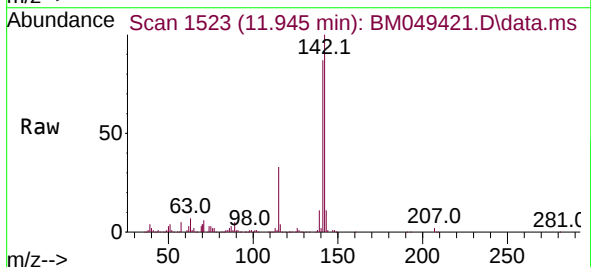
Instrument :
BNA_M
ClientSampleId :
DCZH6DL

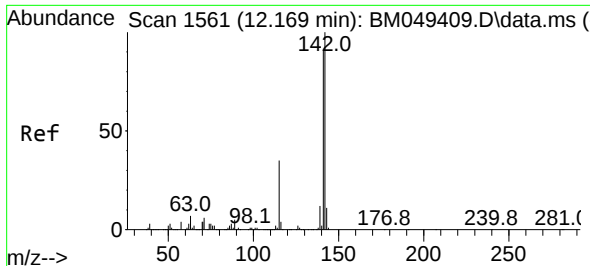
Tgt Ion:128 Resp: 413253
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.2 10.2 15.2



#36
2-Methylnaphthalene
Concen: 9.256 ng/ul
RT: 11.945 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

Tgt Ion:142 Resp: 310288
Ion Ratio Lower Upper
142 100
141 87.3 69.6 104.4





#37

1-Methylnaphthalene

Concen: 6.703 ng/ul

RT: 12.169 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

Instrument :

BNA_M

ClientSampleId :

DCZH6DL

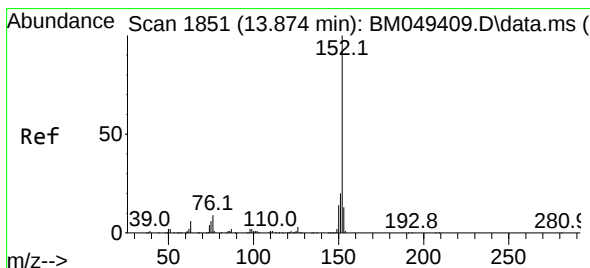
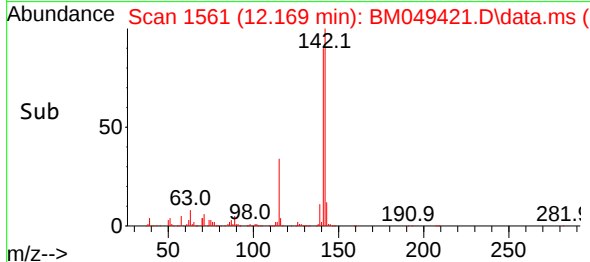
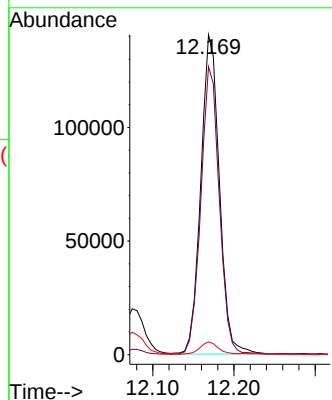
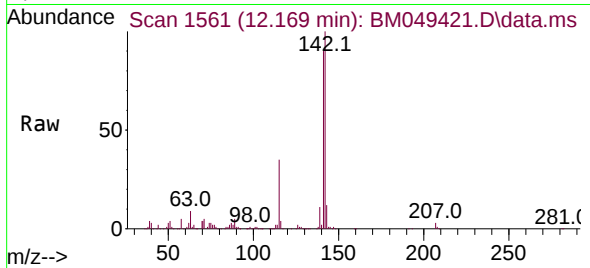
Tgt Ion:142 Resp: 223575

Ion Ratio Lower Upper

142 100

141 90.0 71.9 107.9

116 4.0 2.8 4.2



#50

Acenaphthylene

Concen: 1.562 ng/ul

RT: 13.874 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

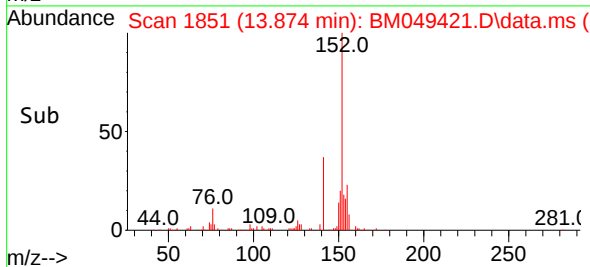
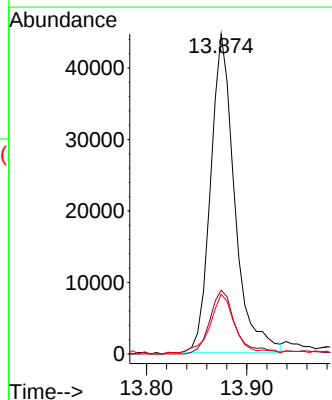
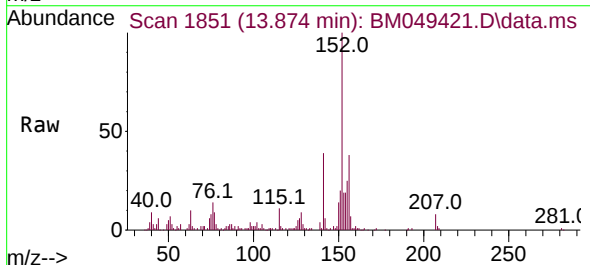
Tgt Ion:152 Resp: 74465

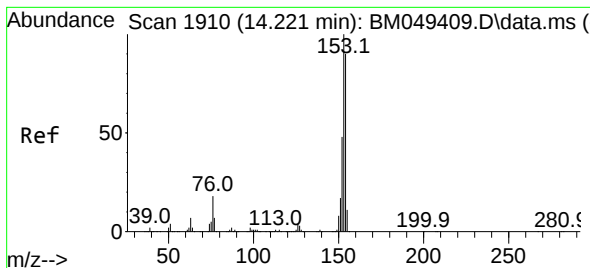
Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 18.7 10.6 15.8#





#52

Acenaphthene

Concen: 38.338 ng/ul

RT: 14.221 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

Instrument :

BNA_M

ClientSampleId :

DCZH6DL

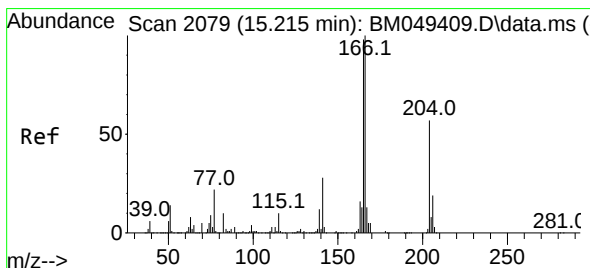
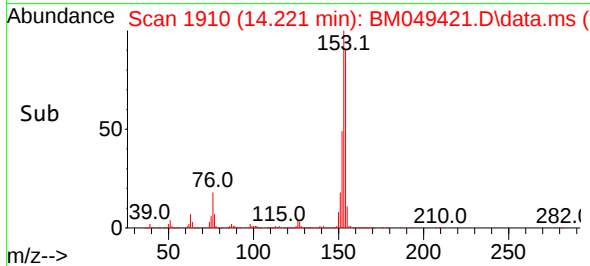
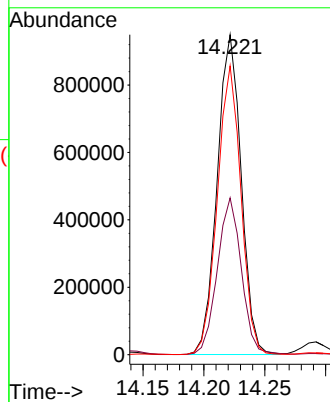
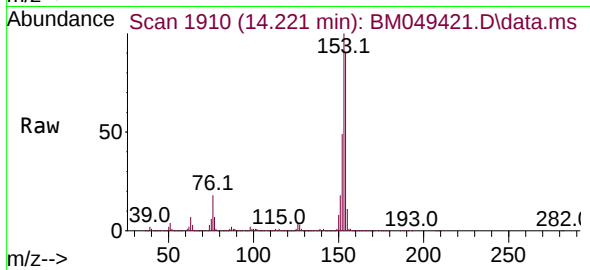
Tgt Ion:153 Resp: 1305800

Ion Ratio Lower Upper

153 100

152 49.0 39.0 58.6

154 90.3 71.6 107.4



#61

Fluorene

Concen: 63.012 ng/ul

RT: 15.216 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

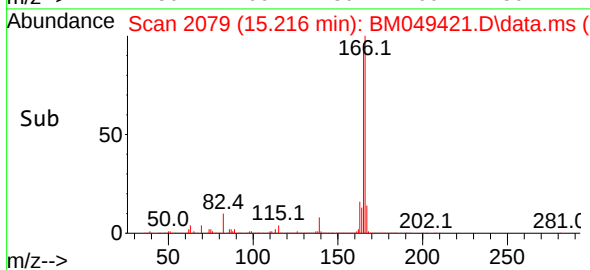
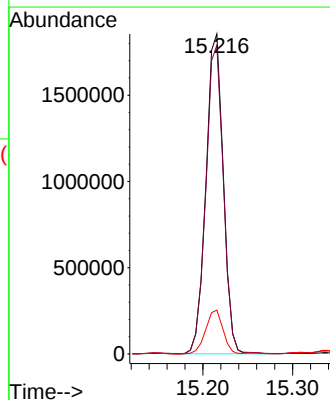
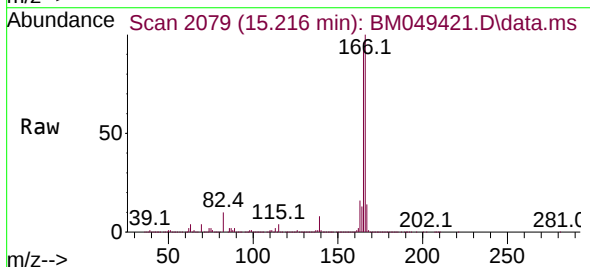
Tgt Ion:166 Resp: 2490147

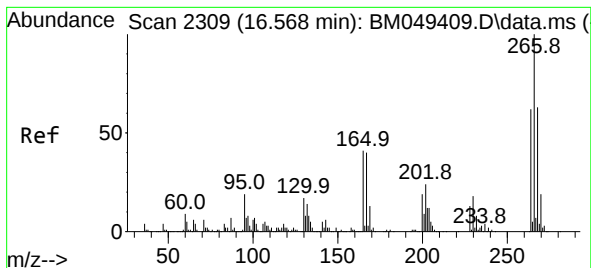
Ion Ratio Lower Upper

166 100

165 96.4 77.7 116.5

167 13.7 10.7 16.1





#71

Pentachlorophenol

Concen: 7.306 ng/ul

RT: 16.568 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

Instrument :

BNA_M

ClientSampleId :

DCZH6DL

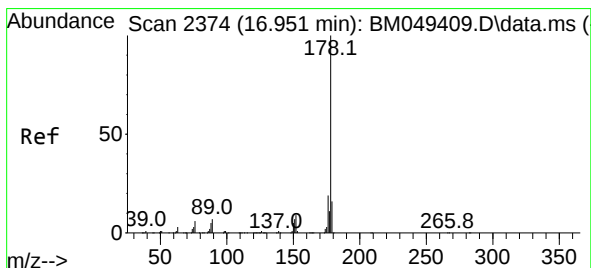
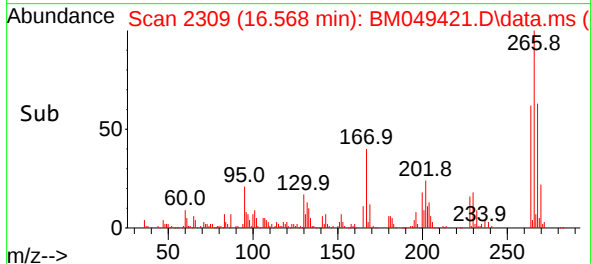
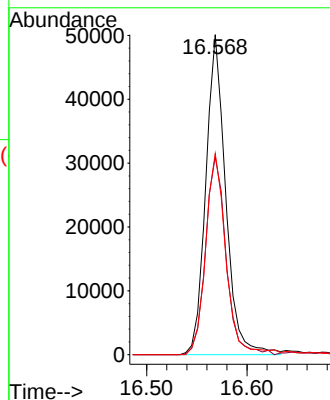
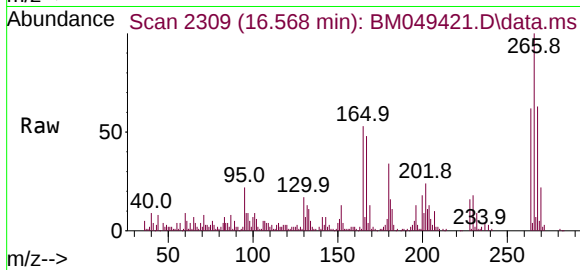
Tgt Ion:266 Resp: 69303

Ion Ratio Lower Upper

266 100

264 61.9 48.6 72.8

268 62.9 49.4 74.0



#72

Phenanthrene

Concen: 151.157 ng/ul

RT: 16.957 min Scan# 2375

Delta R.T. 0.000 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

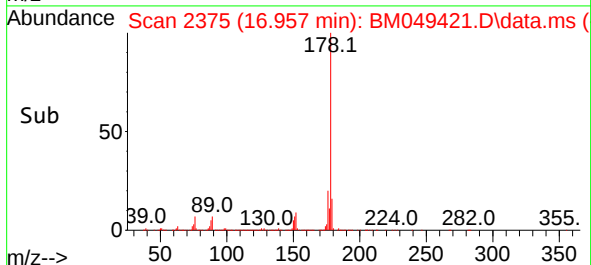
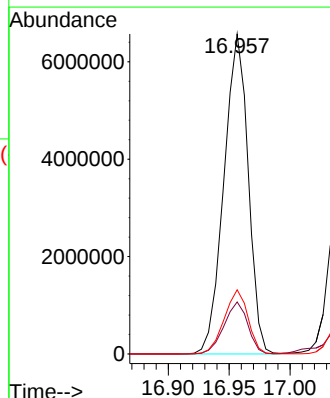
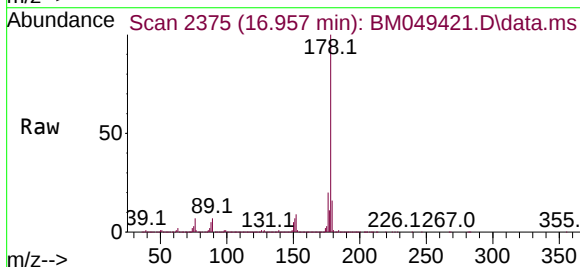
Tgt Ion:178 Resp: 9098469

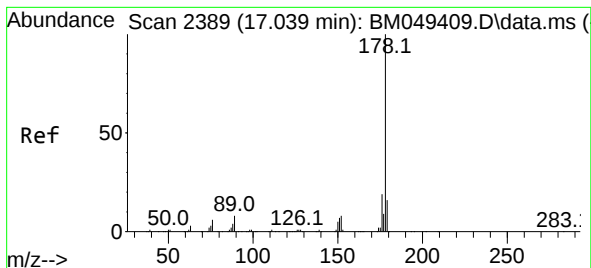
Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 20.1 15.4 23.2





#74

Anthracene

Concen: 166.517 ng/ul

RT: 17.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

Instrument :

BNA_M

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DCZH6DL

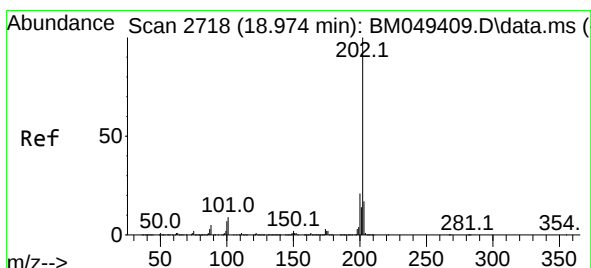
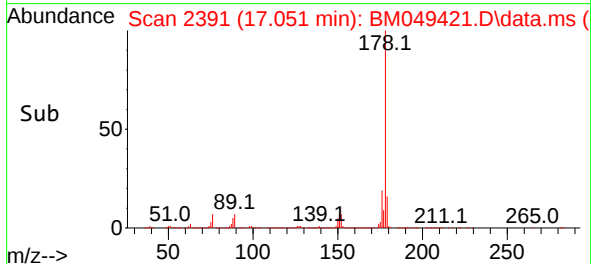
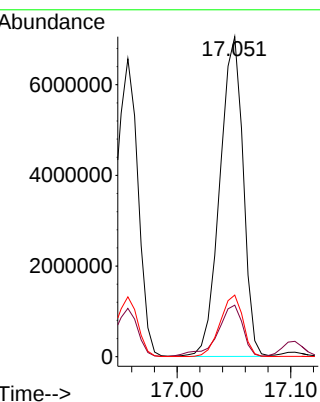
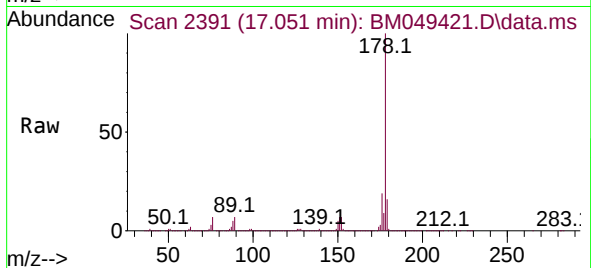
Tgt Ion:178 Resp:10060446

Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

176 19.2 15.1 22.7



#80

Fluoranthene

Concen: 69.490 ng/ul

RT: 18.980 min Scan# 2719

Delta R.T. -0.006 min

Lab File: BM049421.D

Acq: 23 Jan 2025 16:10

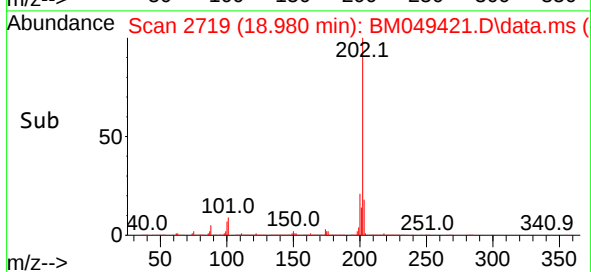
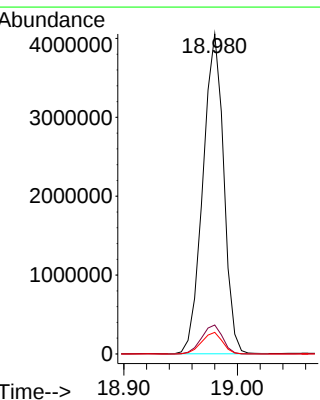
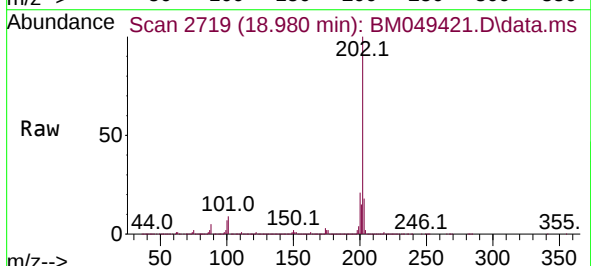
Tgt Ion:202 Resp: 5170992

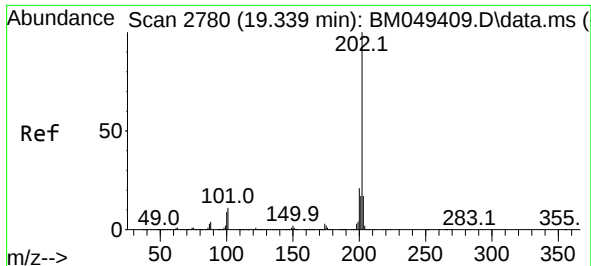
Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

100 6.8 5.0 7.6

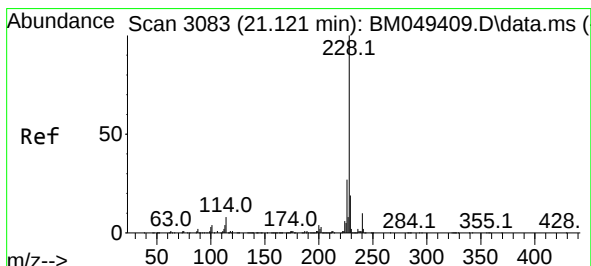
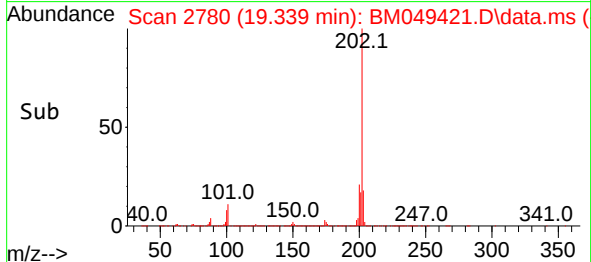
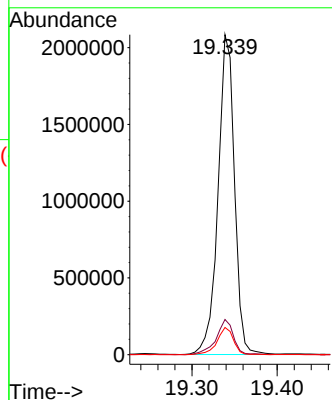
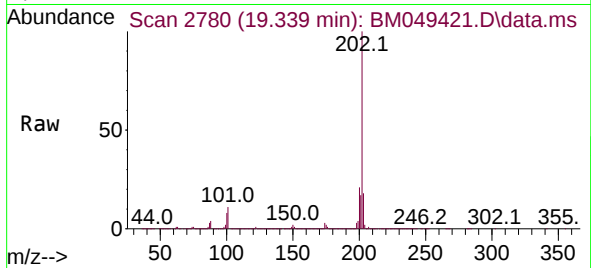




#82
 Pyrene
 Concen: 35.286 ng/ul
 RT: 19.339 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049421.D
 Acq: 23 Jan 2025 16:10

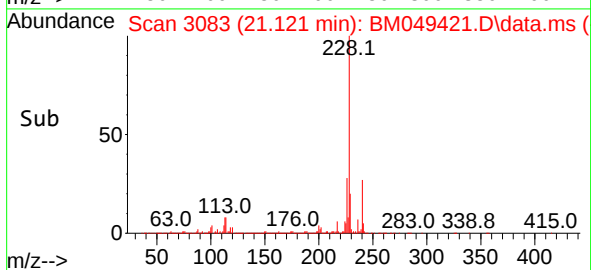
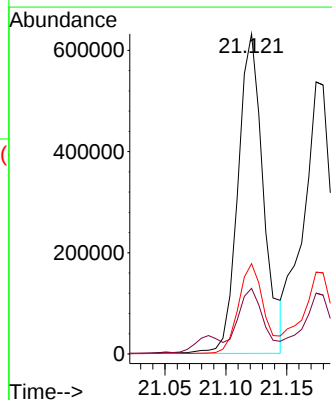
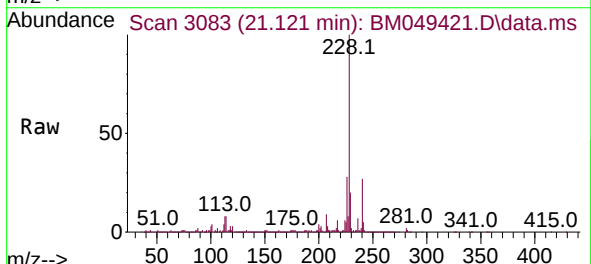
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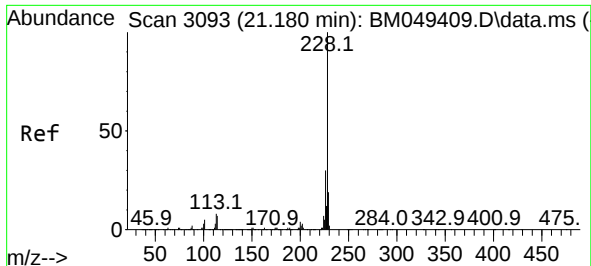
Tgt Ion:202 Resp: 2795070
 Ion Ratio Lower Upper
 202 100
 101 11.0 7.8 11.8
 100 8.5 6.6 10.0



#85
 Benzo(a)anthracene
 Concen: 12.335 ng/ul
 RT: 21.121 min Scan# 3083
 Delta R.T. -0.012 min
 Lab File: BM049421.D
 Acq: 23 Jan 2025 16:10

Tgt Ion:228 Resp: 914722
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.8 23.6
 226 28.2 22.1 33.1

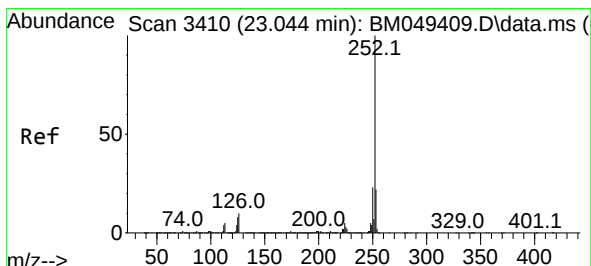
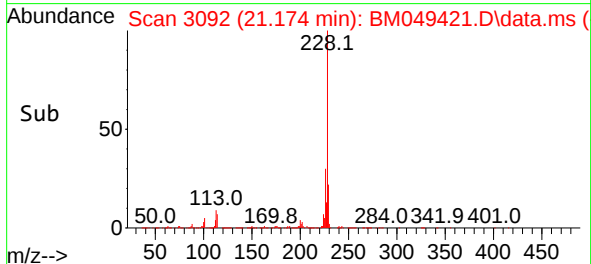
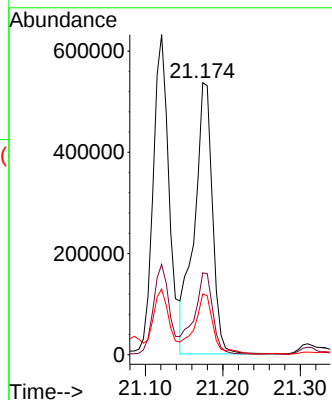
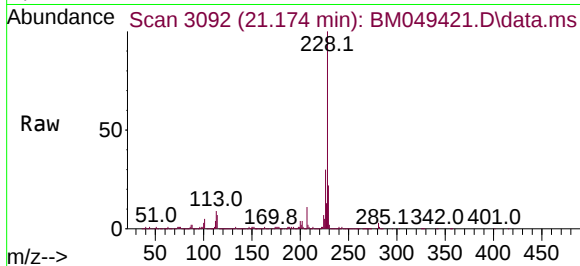




#87
Chrysene
Concen: 12.870 ng/ul
RT: 21.174 min Scan# 3092
Delta R.T. -0.012 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

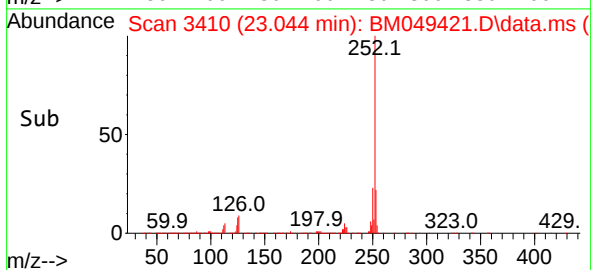
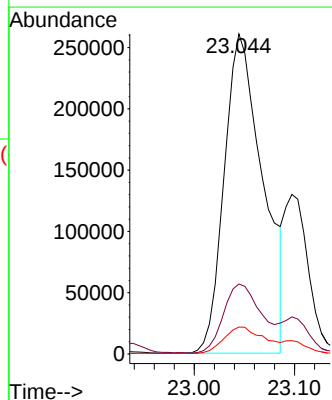
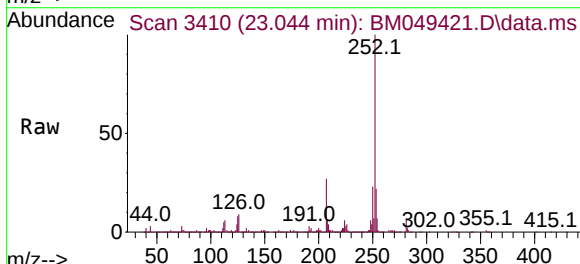
Instrument :
BNA_M
ClientSampleId :
DCZH6DL

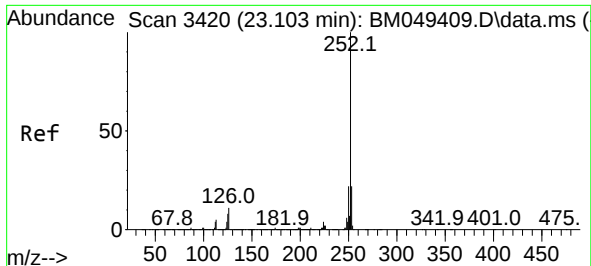
Tgt Ion:228 Resp: 871268
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.3 16.0 24.0



#90
Benzo(b)fluoranthene
Concen: 9.900 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

Tgt Ion:252 Resp: 696404
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 8.4 6.6 9.8

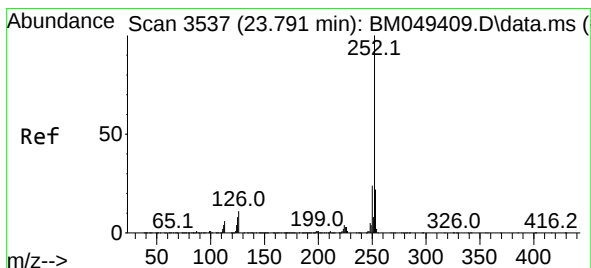
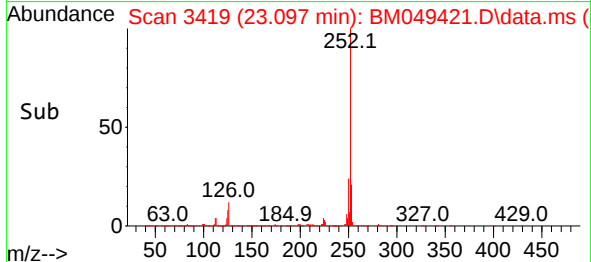
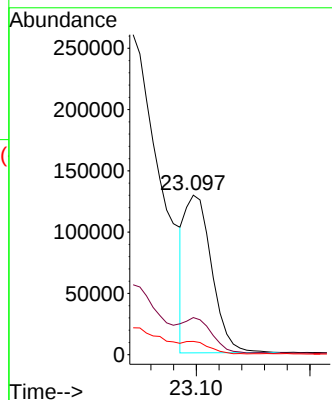
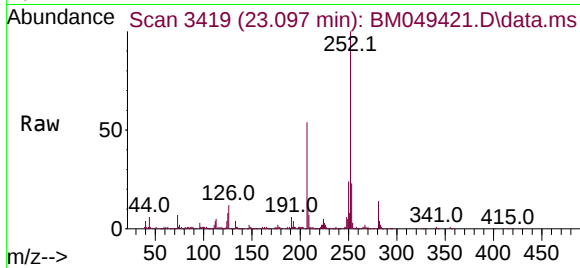




#91
Benzo(k)fluoranthene
Concen: 2.990 ng/ul
RT: 23.097 min Scan# 3419
Delta R.T. -0.018 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

Instrument :
BNA_M
ClientSampleId :
DCZH6DL

Tgt Ion:252 Resp: 209726
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 8.4 6.5 9.7



#93
Benzo(a)pyrene
Concen: 1.836 ng/ul
RT: 23.786 min Scan# 3536
Delta R.T. -0.012 min
Lab File: BM049421.D
Acq: 23 Jan 2025 16:10

Tgt Ion:252 Resp: 116679
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 9.9 6.9 10.3

