

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043333.D
 Acq On : 14 Dec 2023 10:50
 Operator : MA/JU
 Sample : 05690-04DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLH3DL

Quant Time: Dec 14 22:56:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

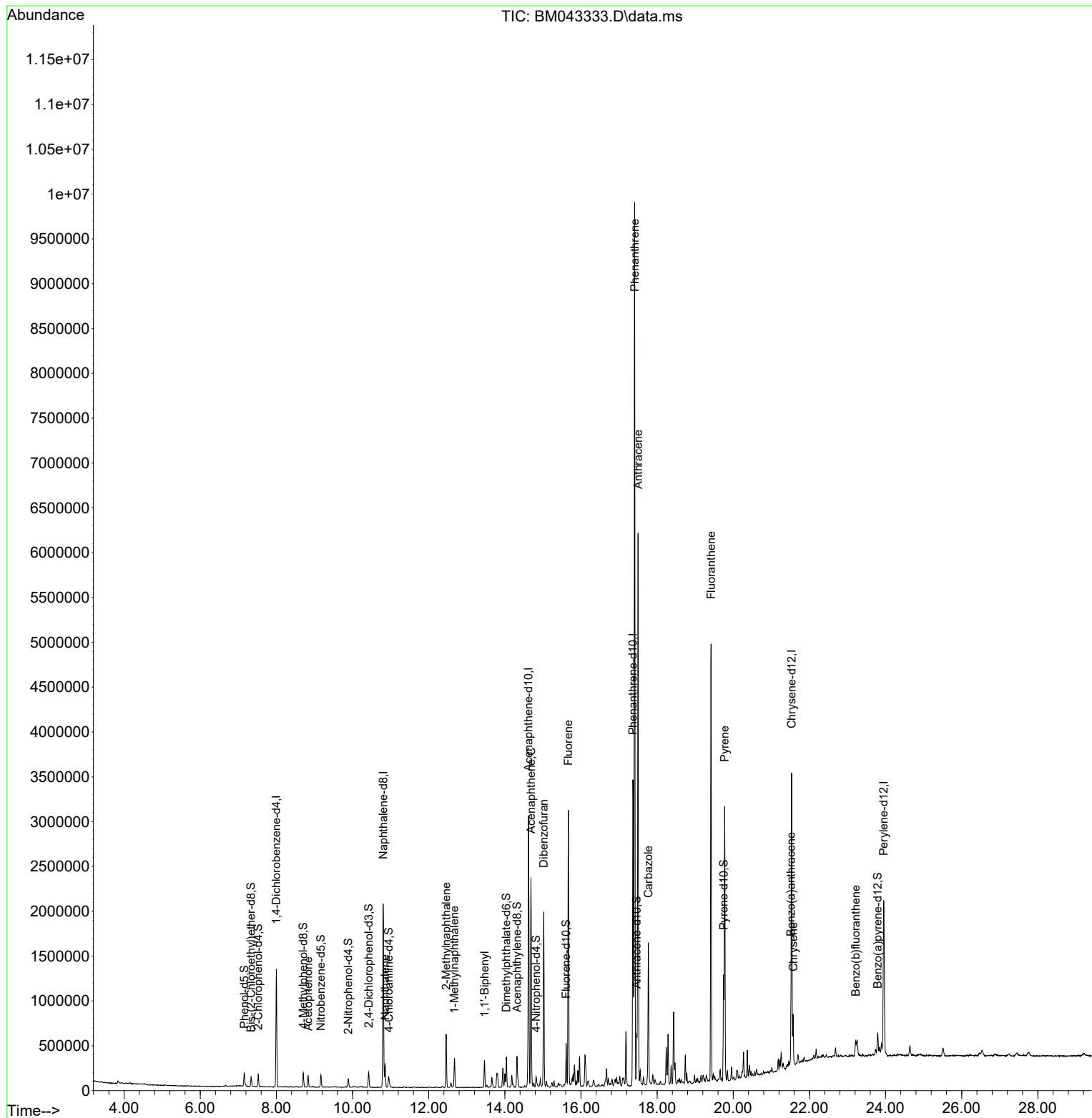
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	337576	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1628879	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	969660	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	1906803	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1323935	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1238850	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.398	96	3500	0.407	ng/uL	0.00
4) Pyridine-d5	3.804	84	1788	0.070	ng/ul	-0.01
7) Phenol-d5	7.157	99	80745	2.409	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	52849	2.547	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	60418	2.365	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	57220	2.158	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	31256	2.251	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	27991	2.091	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	56691	1.900	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	62083	1.446	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	196060	2.307	ng/ul	0.00
49) Acenaphthylene-d8	14.321	160	220404	2.241	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	19546	1.283	ng/ul	0.00
60) Fluorene-d10	15.609	176	173056	2.336	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	4936	0.470	ng/ul	0.00
73) Anthracene-d10	17.462	188	249202	2.416	ng/ul	0.00
81) Pyrene-d10	19.744	212	255563	3.017	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	176847	2.446	ng/ul	0.00
Target Compounds						
						Qvalue
16) Acetophenone	8.833	105	68777	1.614	ng/ul	92
30) Naphthalene	10.857	128	202495	2.025	ng/ul	98
36) 2-Methylnaphthalene	12.457	142	279705	3.889	ng/ul	99
37) 1-Methylnaphthalene	12.674	142	151222	2.071	ng/ul	97
43) 1,1'-Biphenyl	13.468	154	149216	1.740	ng/ul	97
52) Acenaphthene	14.686	153	885021	12.072	ng/ul	100
56) Dibenzofuran	15.021	168	1117816	11.162	ng/ul	93
61) Fluorene	15.668	166	1294607	14.934	ng/ul	99
72) Phenanthrene	17.409	178	5533853	46.540	ng/ul	99
74) Anthracene	17.498	178	3488282	29.123	ng/ul	100
77) Carbazole	17.768	167	905684	9.205	ng/ul	98
80) Fluoranthene	19.415	202	2687151	27.653	ng/ul#	93
82) Pyrene	19.774	202	1729626	17.111	ng/ul#	92
85) Benzo(a)anthracene	21.515	228	312815	3.082	ng/ul	98
87) Chrysene	21.574	228	299359	3.302	ng/ul	99
90) Benzo(b)fluoranthene	23.215	252	142717	1.615	ng/ul#	93

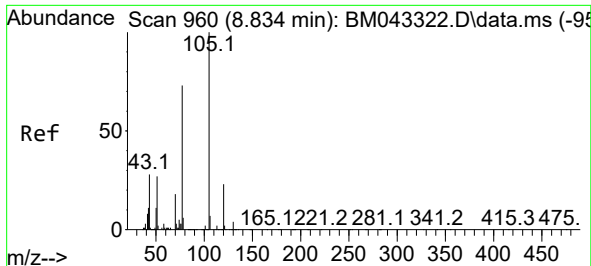
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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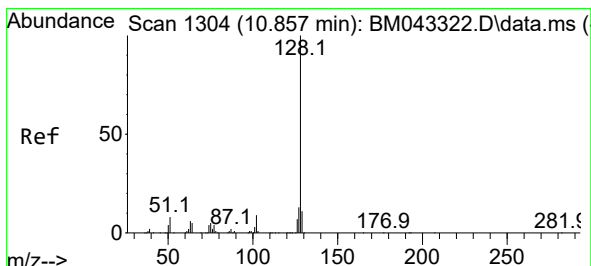
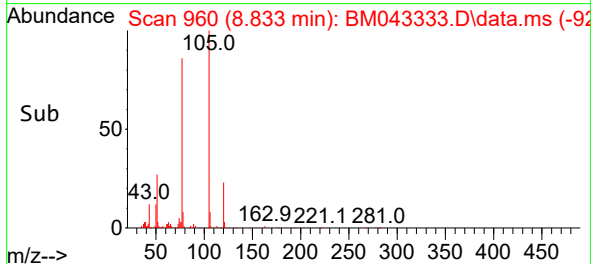
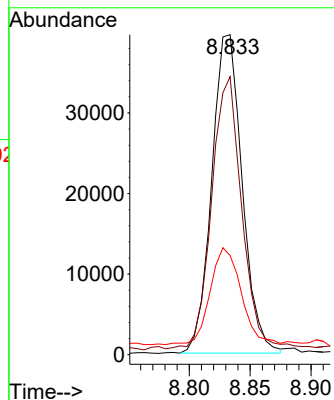
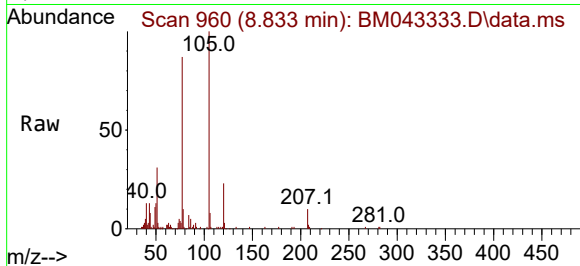




#16
Acetophenone
Concen: 1.614 ng/ul
RT: 8.833 min Scan# 960
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

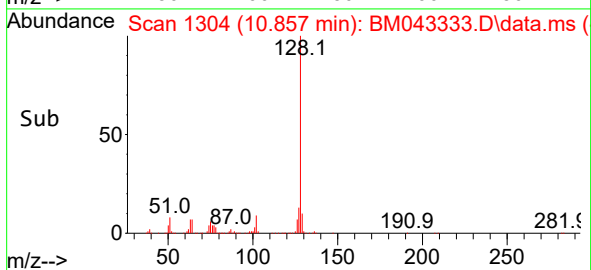
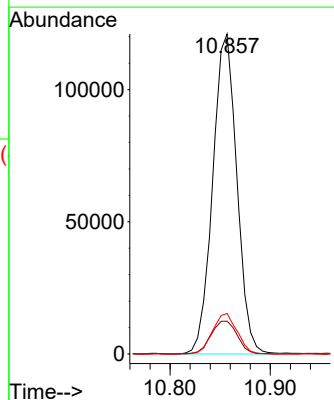
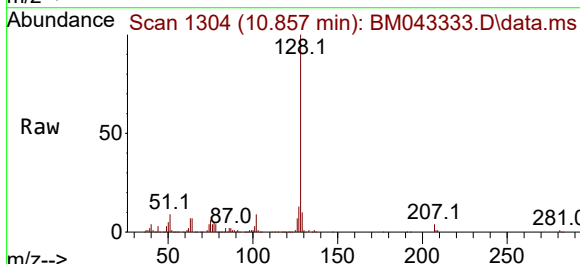
Instrument :
BNA_P
ClientSampleId :
DCLH3DL

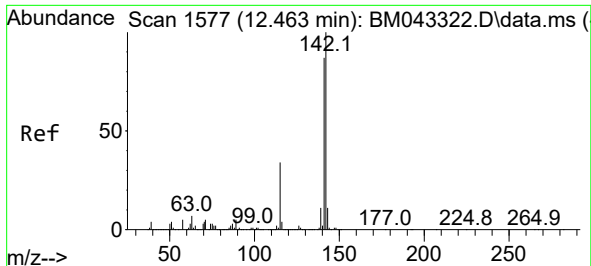
Tgt Ion:105 Resp: 68777
Ion Ratio Lower Upper
105 100
77 86.9 62.7 94.1
51 31.0 23.8 35.8



#30
Naphthalene
Concen: 2.025 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

Tgt Ion:128 Resp: 202495
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 12.7 10.4 15.6

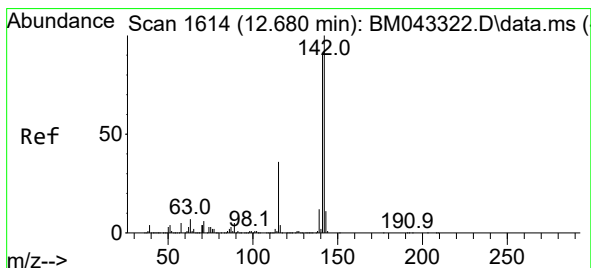
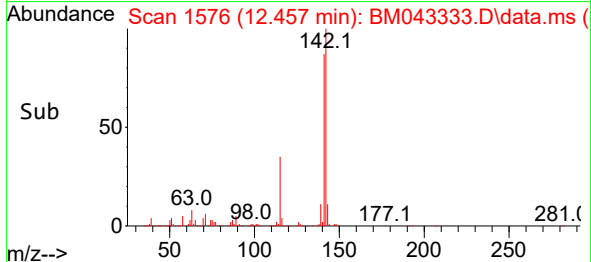
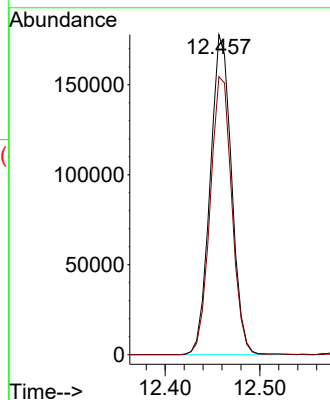
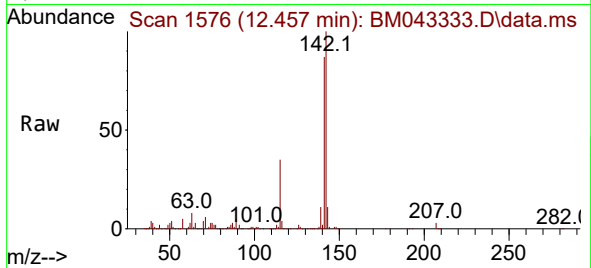




#36
2-Methylnaphthalene
Concen: 3.889 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

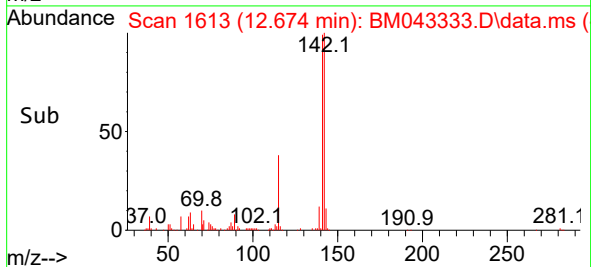
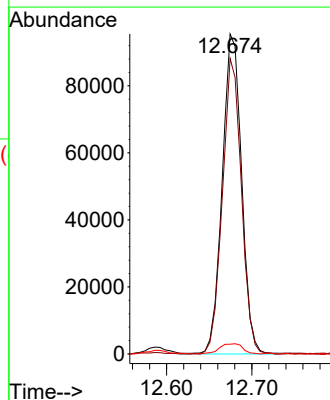
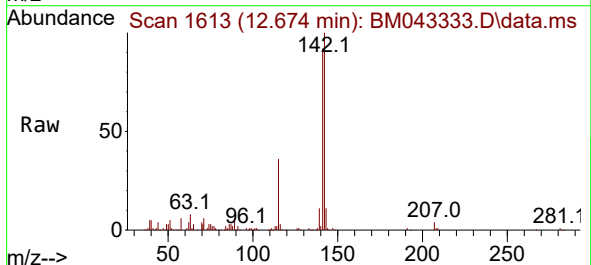
Instrument :
BNA_P
ClientSampleId :
DCLH3DL

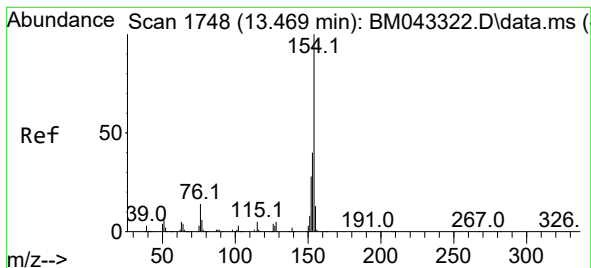
Tgt Ion:142 Resp: 279705
Ion Ratio Lower Upper
142 100
141 86.8 70.0 105.0



#37
1-Methylnaphthalene
Concen: 2.071 ng/ul
RT: 12.674 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

Tgt Ion:142 Resp: 151222
Ion Ratio Lower Upper
142 100
141 92.4 71.9 107.9
116 3.0 2.8 4.2





#43

1,1'-Biphenyl

Concen: 1.740 ng/ul

RT: 13.468 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

Instrument :

BNA_P

ClientSampleId :

DCLH3DL

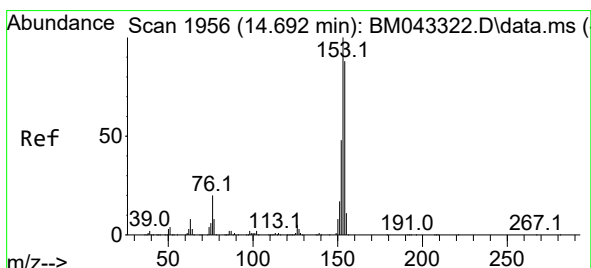
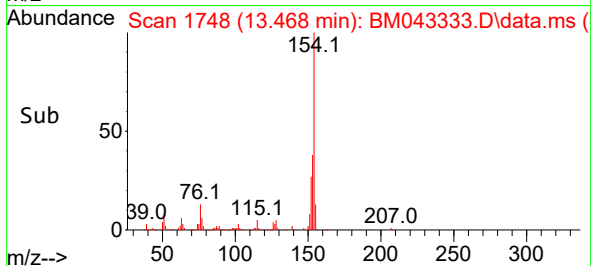
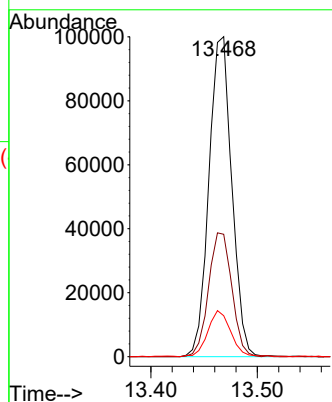
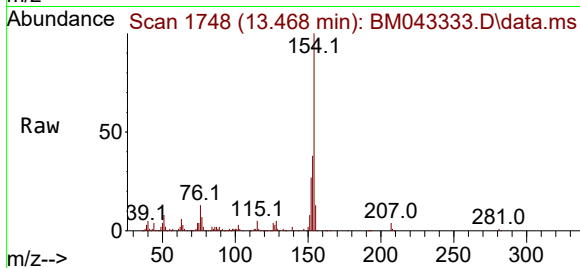
Tgt Ion:154 Resp: 149216

Ion Ratio Lower Upper

154 100

153 38.2 31.8 47.6

76 12.8 9.3 13.9



#52

Acenaphthene

Concen: 12.072 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

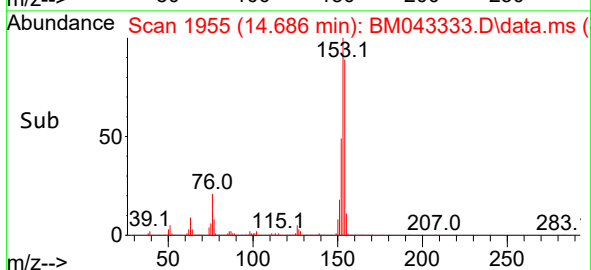
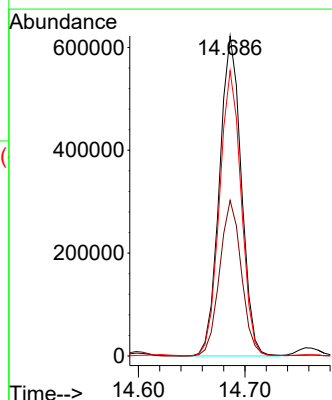
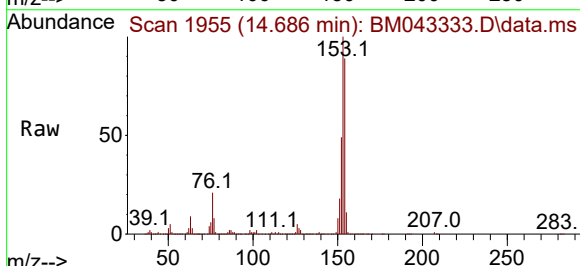
Tgt Ion:153 Resp: 885021

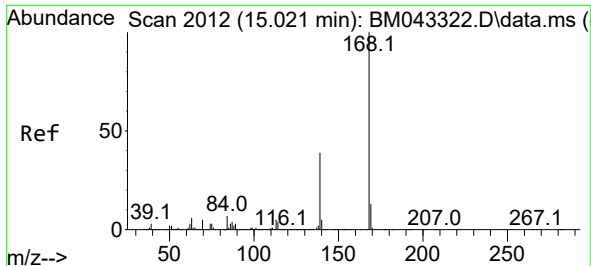
Ion Ratio Lower Upper

153 100

152 48.6 38.6 58.0

154 89.1 71.6 107.4

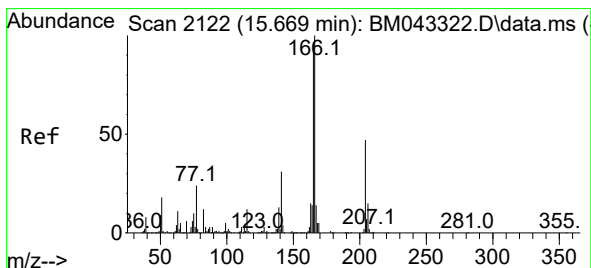
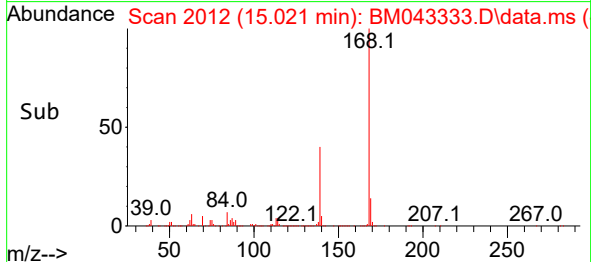
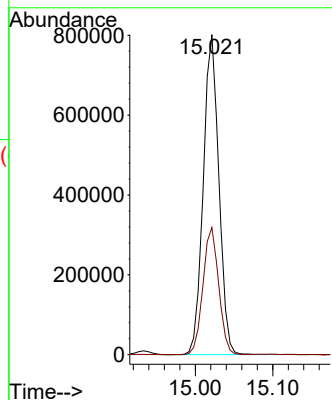
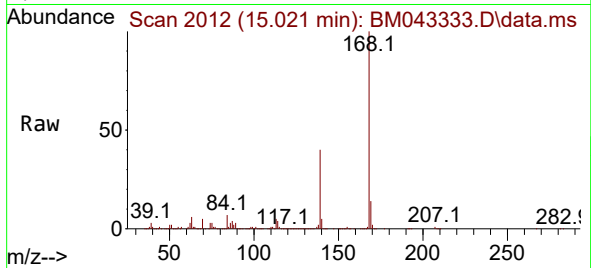




#56
Dibenzenofuran
Concen: 11.162 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

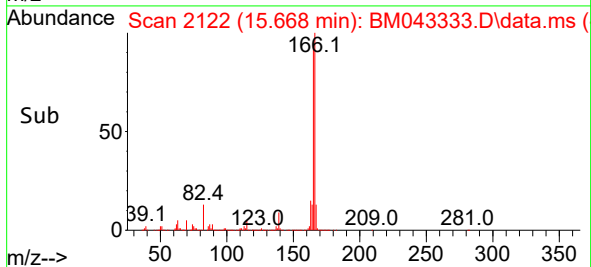
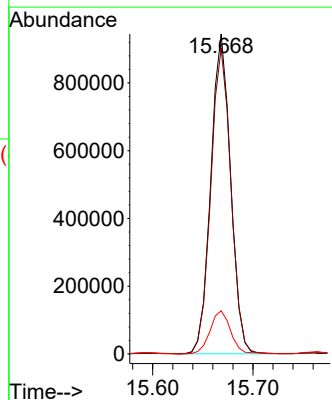
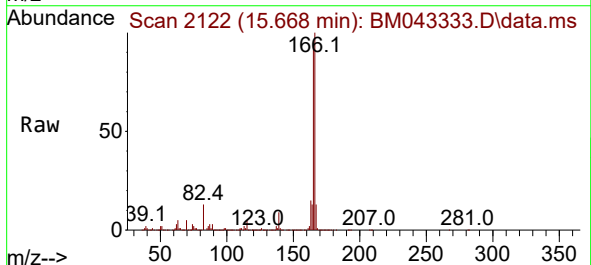
Instrument :
BNA_P
ClientSampleId :
DCLH3DL

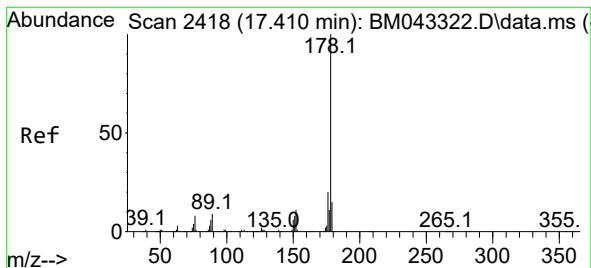
Tgt Ion:168 Resp: 1117816
Ion Ratio Lower Upper
168 100
139 39.7 28.6 43.0



#61
Fluorene
Concen: 14.934 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

Tgt Ion:166 Resp: 1294607
Ion Ratio Lower Upper
166 100
165 95.5 77.5 116.3
167 13.5 10.7 16.1





#72

Phenanthrene

Concen: 46.540 ng/ul

RT: 17.409 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

Instrument :

BNA_P

ClientSampleId :

DCLH3DL

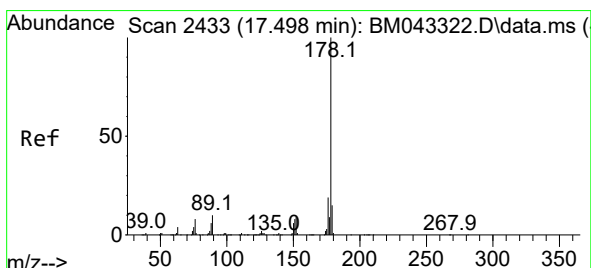
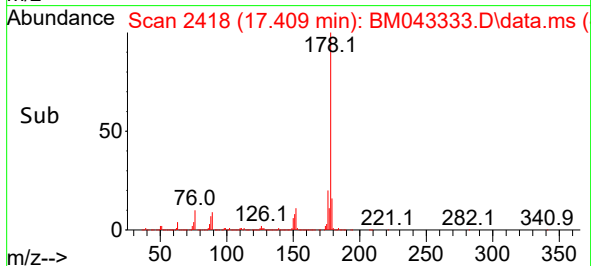
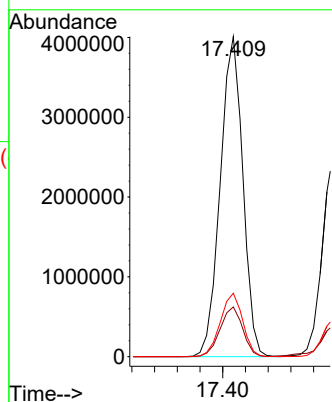
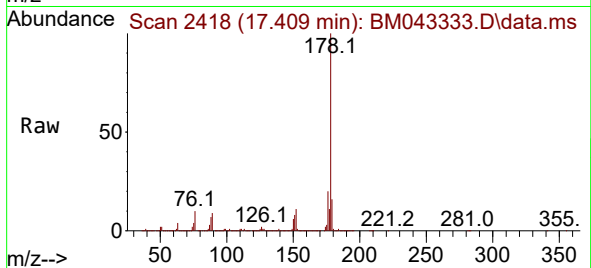
Tgt Ion:178 Resp: 5533853

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

176 19.9 15.7 23.5



#74

Anthracene

Concen: 29.123 ng/ul

RT: 17.498 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

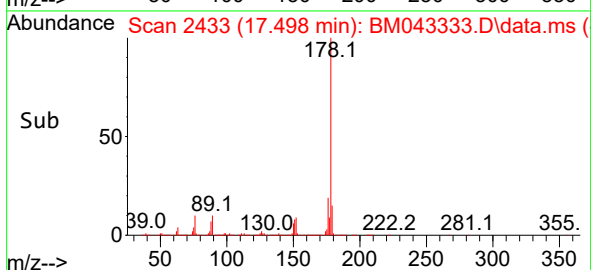
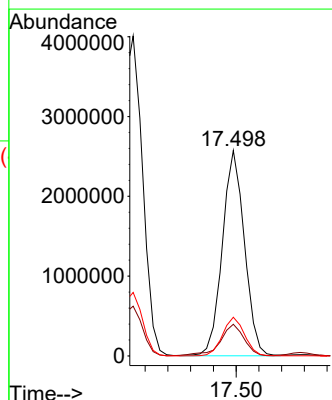
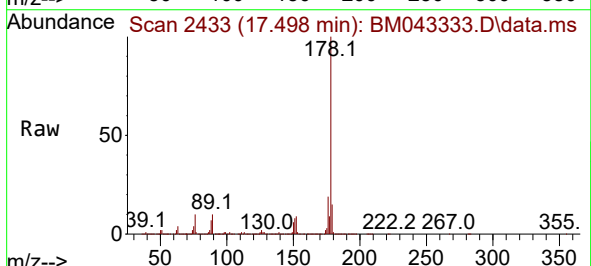
Tgt Ion:178 Resp: 3488282

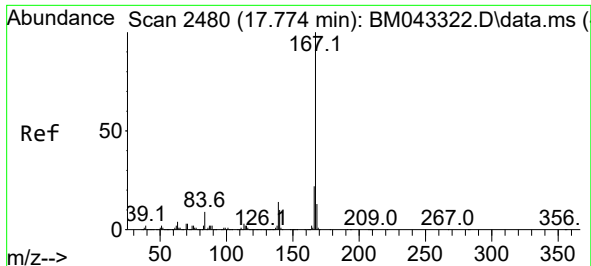
Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

176 18.9 15.1 22.7

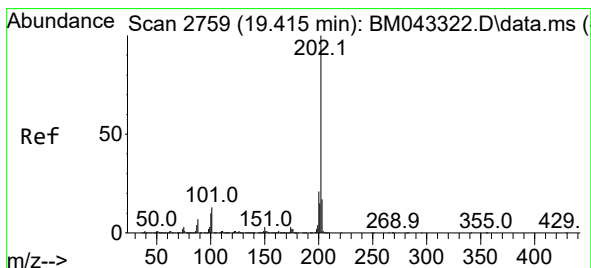
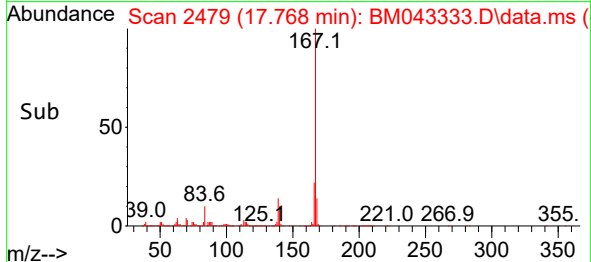
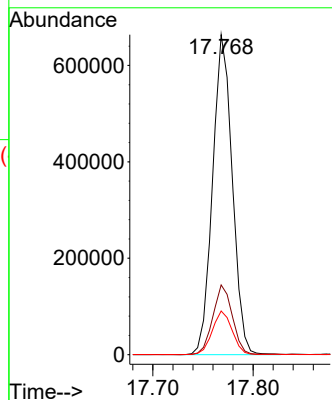
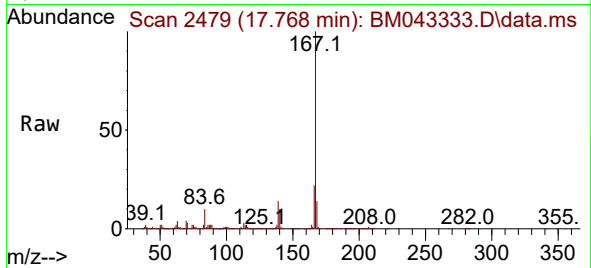




#77
 Carbazole
 Concen: 9.205 ng/ul
 RT: 17.768 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BM043333.D
 Acq: 14 Dec 2023 10:50

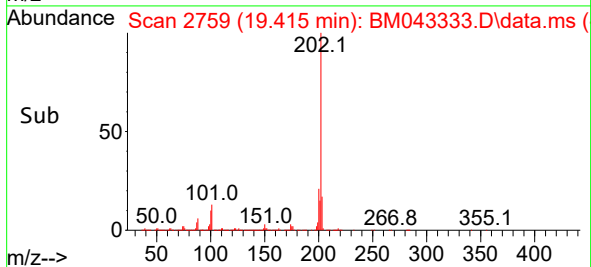
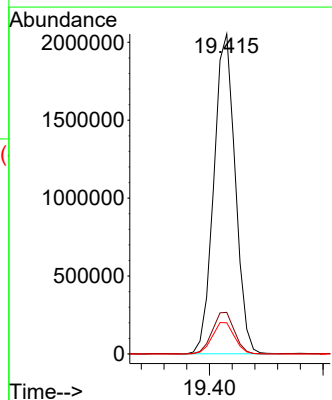
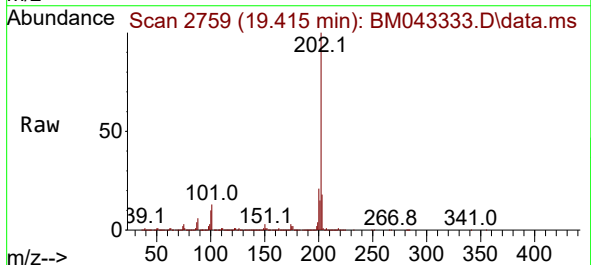
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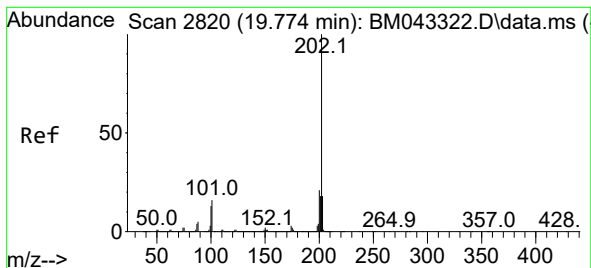
Tgt Ion:167 Resp: 905684
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 13.7 9.9 14.9



#80
 Fluoranthene
 Concen: 27.653 ng/ul
 RT: 19.415 min Scan# 2759
 Delta R.T. -0.000 min
 Lab File: BM043333.D
 Acq: 14 Dec 2023 10:50

Tgt Ion:202 Resp: 2687151
 Ion Ratio Lower Upper
 202 100
 101 13.0 8.2 12.2#
 100 9.7 6.1 9.1#





#82

Pyrene

Concen: 17.111 ng/ul

RT: 19.774 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

Instrument :

BNA_P

ClientSampleId :

DCLH3DL

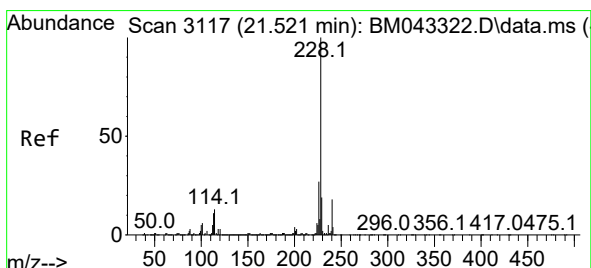
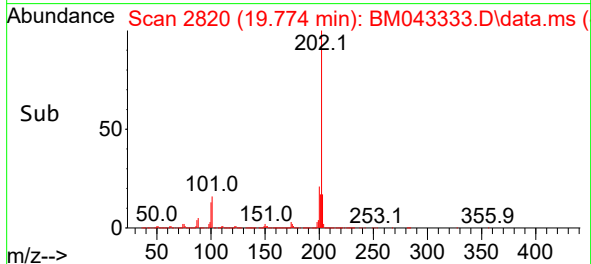
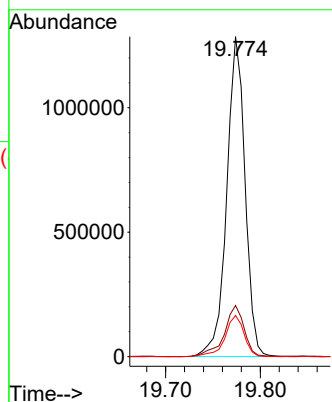
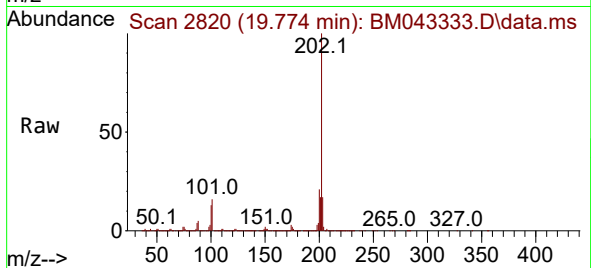
Tgt Ion:202 Resp: 1729626

Ion Ratio Lower Upper

202 100

101 16.0 10.2 15.2#

100 12.9 8.2 12.2#



#85

Benzo(a)anthracene

Concen: 3.082 ng/ul

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM043333.D

Acq: 14 Dec 2023 10:50

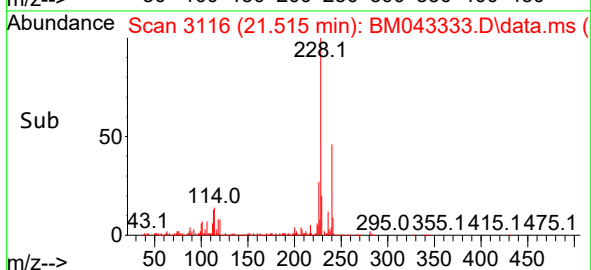
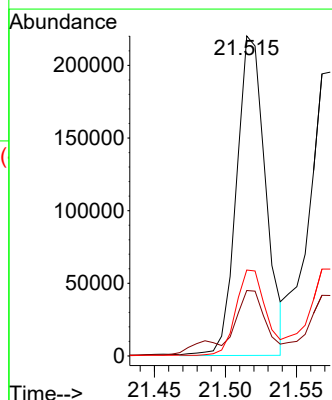
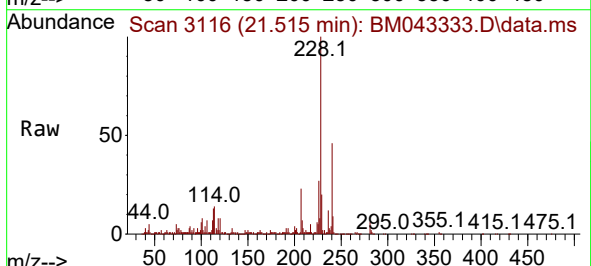
Tgt Ion:228 Resp: 312815

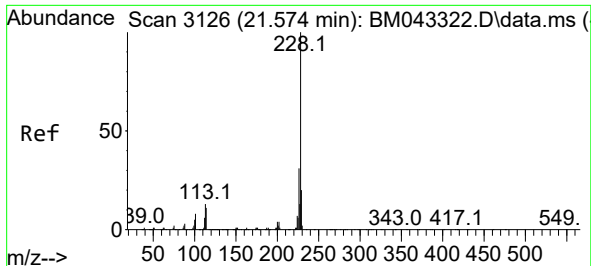
Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.8

226 26.9 22.2 33.4

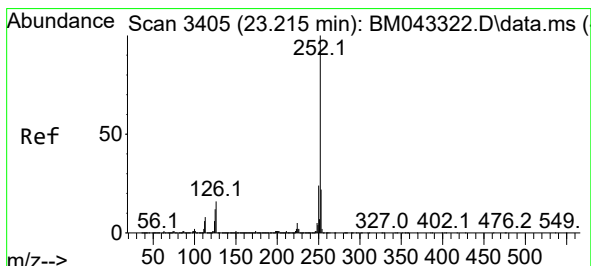
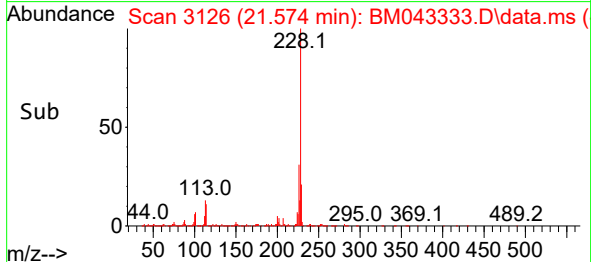
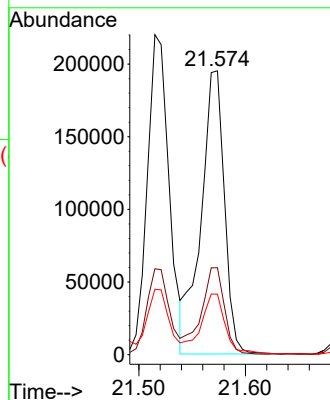
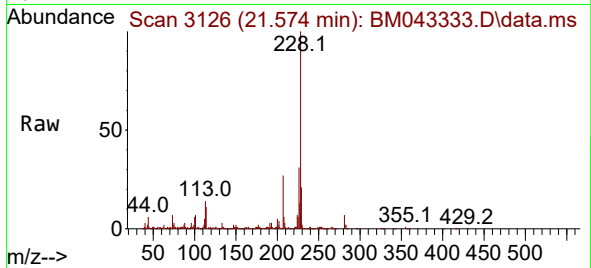




#87
Chrysene
Concen: 3.302 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

Instrument :
BNA_P
ClientSampleId :
DCLH3DL

Tgt Ion:228 Resp: 299359
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 21.3 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 1.615 ng/ul
RT: 23.215 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BM043333.D
Acq: 14 Dec 2023 10:50

Tgt Ion:252 Resp: 142717
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 15.0 7.2 10.8#

