

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049868.D
 Acq On : 09 Apr 2025 15:05
 Operator : RC/JU
 Sample : Q1746-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-149-SB02

Quant Time: Apr 09 15:55:43 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)

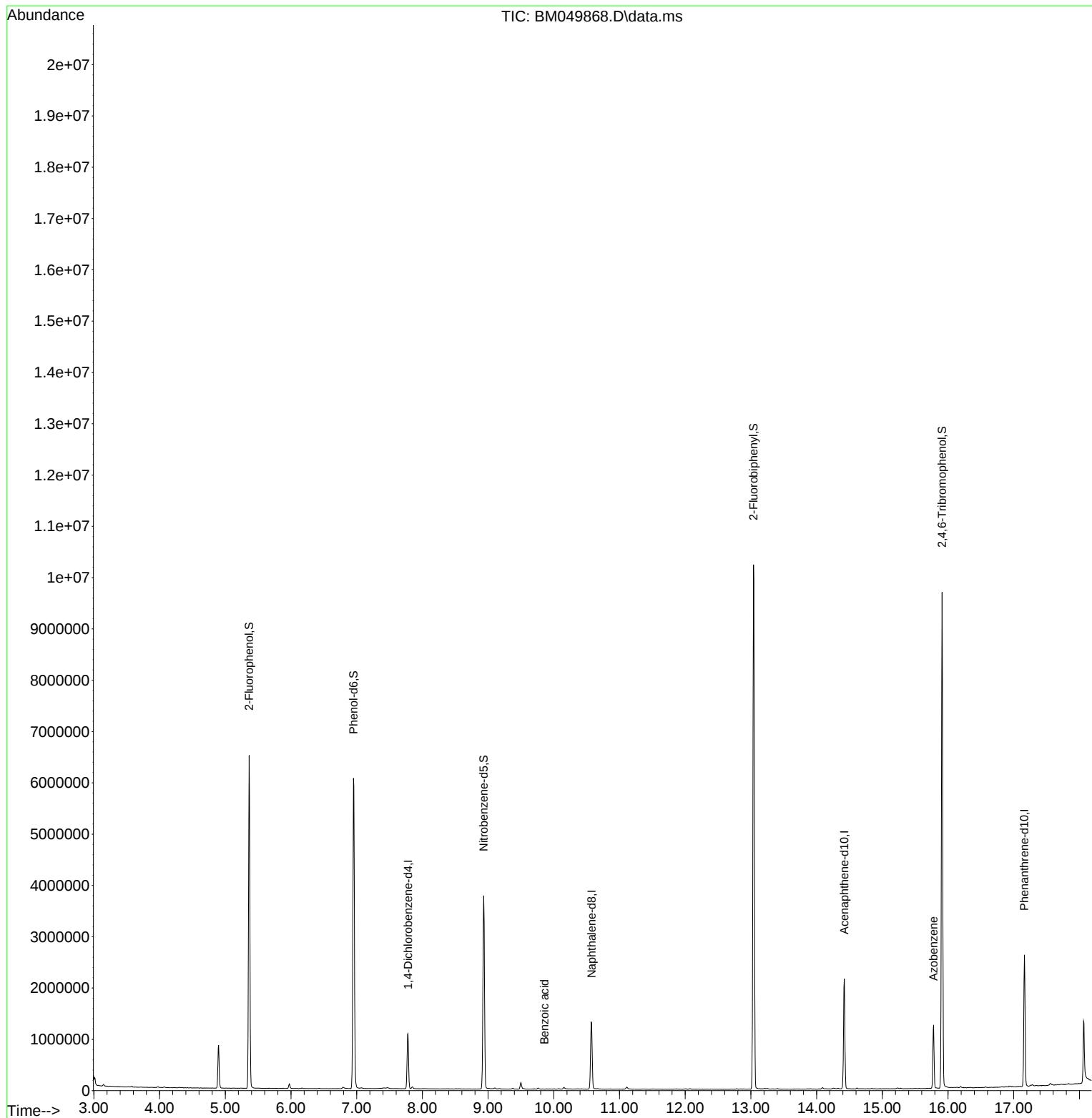
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	322464	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1148080	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	770952	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1525445	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1431866	20.000	ng	0.00
86) Perylene-d12	24.397	264	1579355	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2892852	152.336	ng	0.00
7) Phenol-d6	6.951	99	3668334	155.260	ng	0.00
23) Nitrobenzene-d5	8.934	82	2156634	104.603	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1983101	176.845	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	5729173	100.769	ng	0.00
79) Terphenyl-d14	19.792	244	8296901	108.591	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.857	122	124	8.545	ng	# 27
63) Azobenzene	15.780	77	316216	7.081	ng	# 1
83) Chrysene	21.439	228	199224	2.202	ng	99
88) Benzo(b)fluoranthene	23.450	252	292483	2.900	ng	# 97
89) Benzo(k)fluoranthene	23.509	252	255087	2.610	ng	# 96

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

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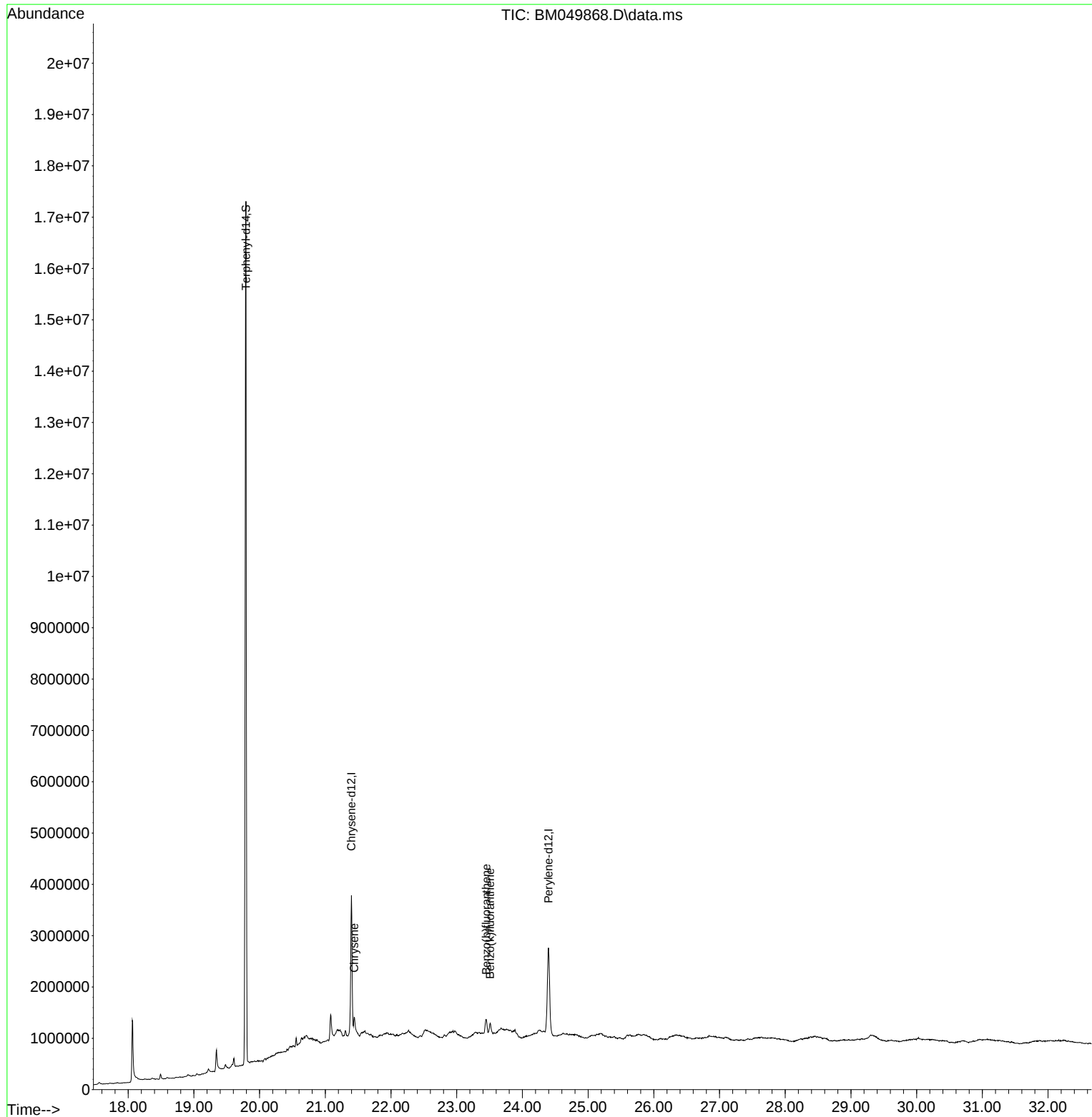
Quant Time: Apr 09 15:55:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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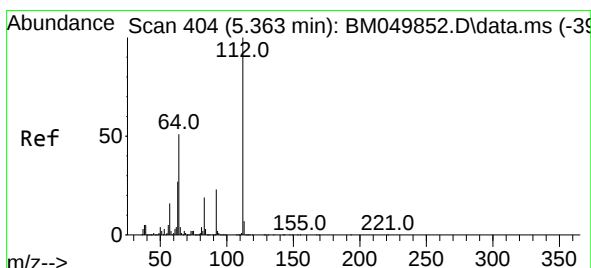
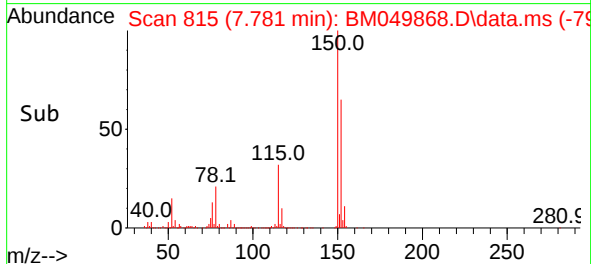
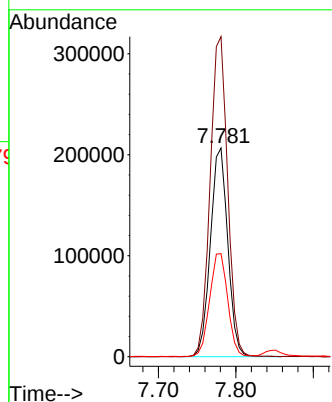
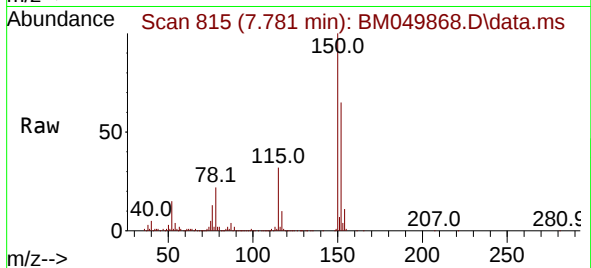




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

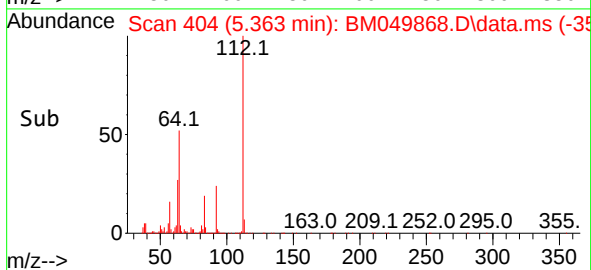
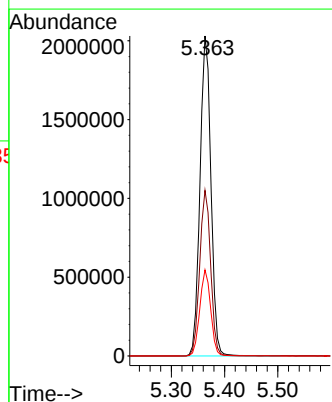
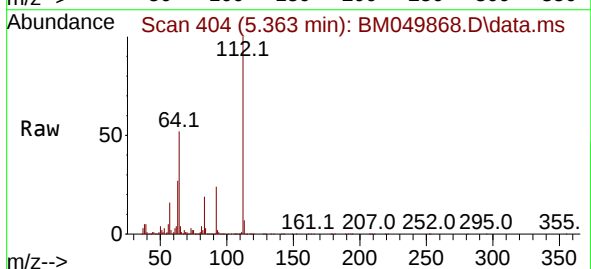
Instrument :
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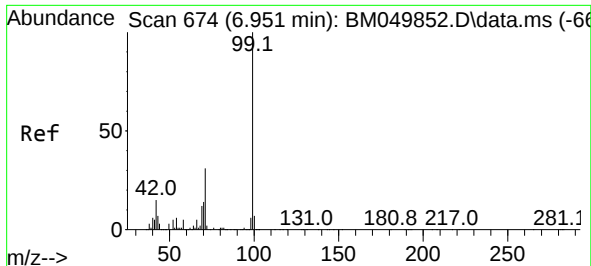
Tgt Ion:152 Resp: 322464
Ion Ratio Lower Upper
152 100
150 153.3 124.3 186.5
115 49.4 41.1 61.7



#5
2-Fluorophenol
Concen: 152.336 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:112 Resp: 2892852
Ion Ratio Lower Upper
112 100
64 51.8 41.0 61.6
63 26.9 21.5 32.3

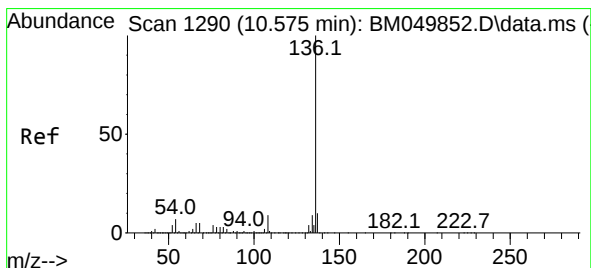
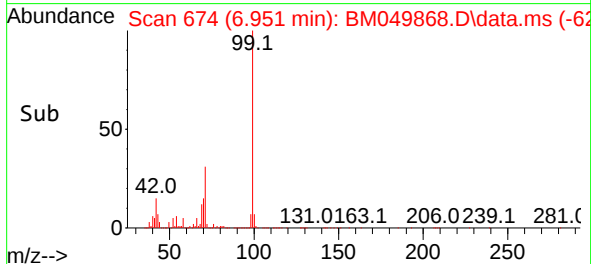
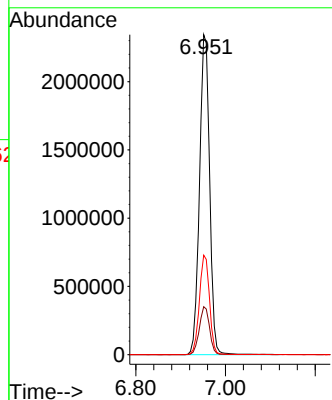
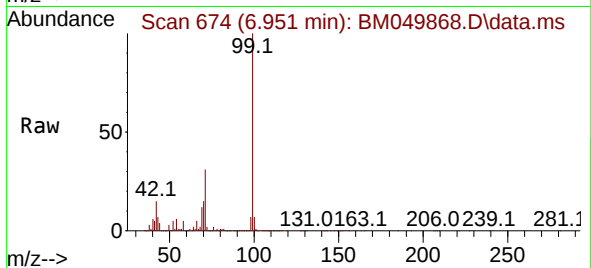




#7
Phenol-d6
Concen: 155.260 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

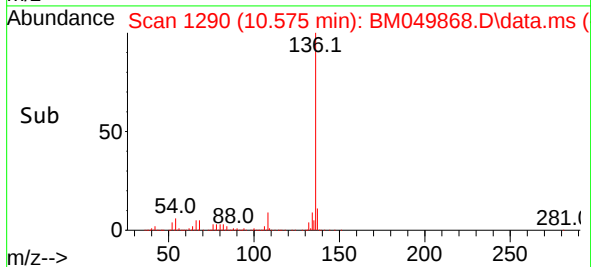
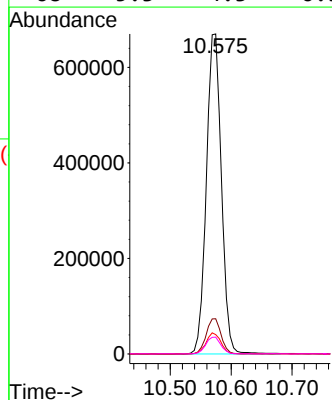
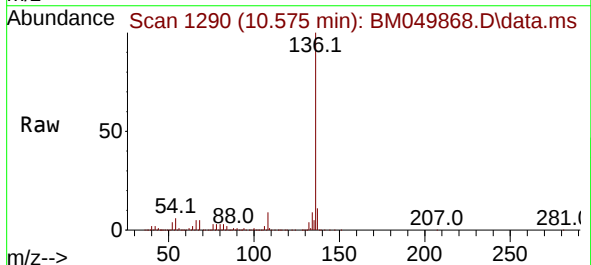
Instrument :
BNA_M
ClientSampleId :
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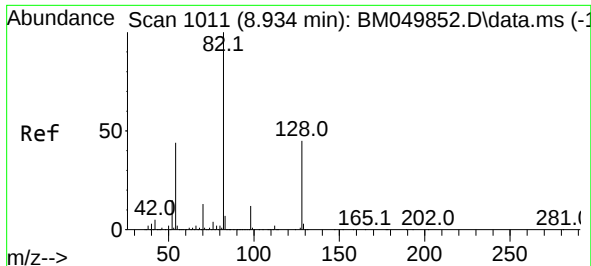
Tgt Ion: 99 Resp: 3668334
Ion Ratio Lower Upper
99 100
42 15.0 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion: 136 Resp: 1148080
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.1 5.3 7.9
68 5.3 4.3 6.5

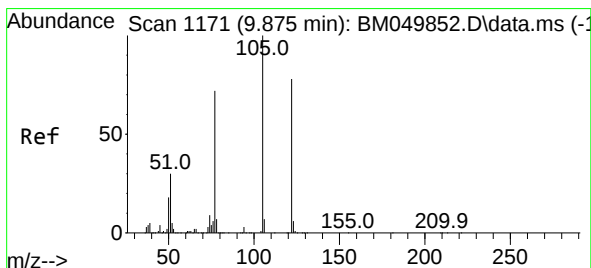
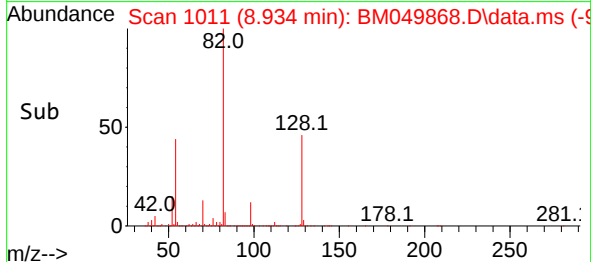
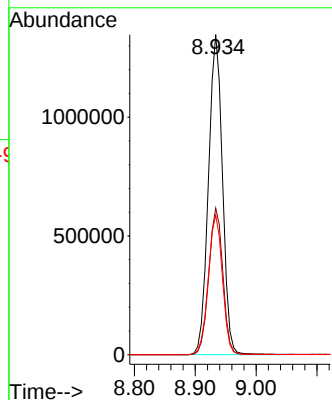
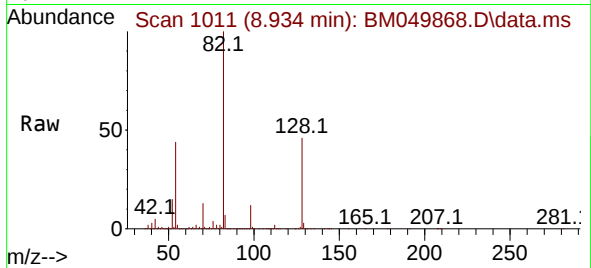




#23
Nitrobenzene-d5
Concen: 104.603 ng
RT: 8.934 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

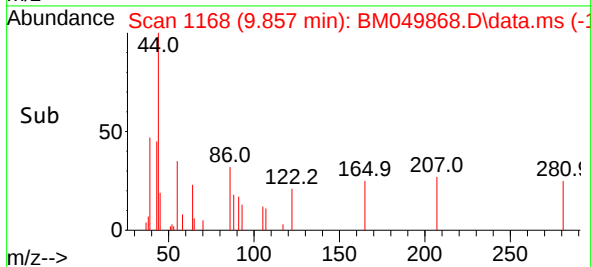
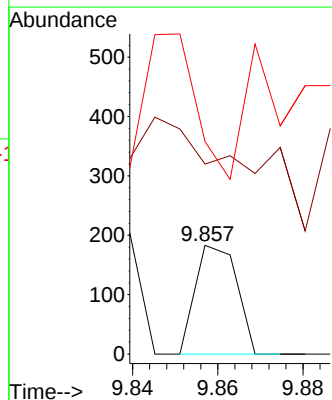
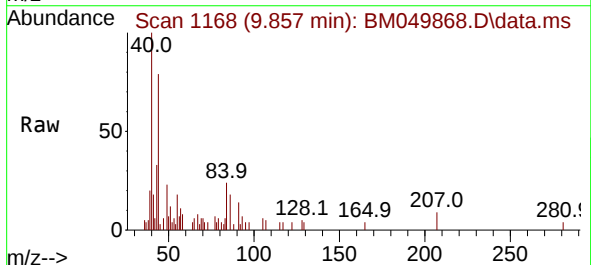
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

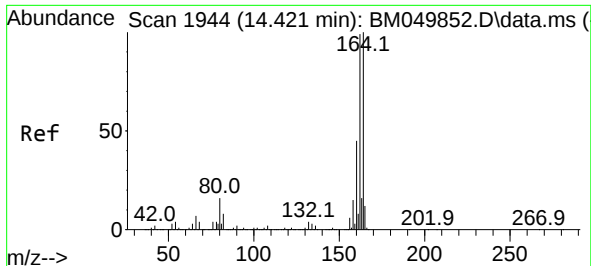
Tgt Ion: 82 Resp: 2156634
Ion Ratio Lower Upper
82 100
128 45.8 36.2 54.2
54 43.6 35.0 52.6



#32
Benzoic acid
Concen: 8.545 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.018 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 174.9 103.8 143.8#
77 195.6 70.7 110.7#

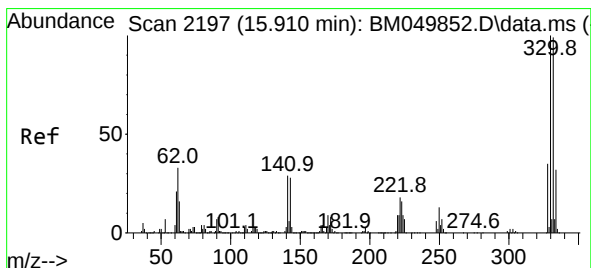
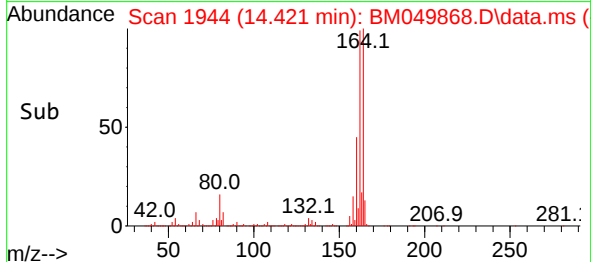
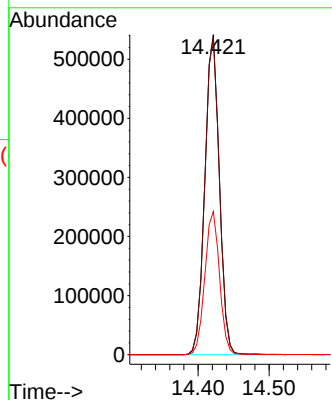
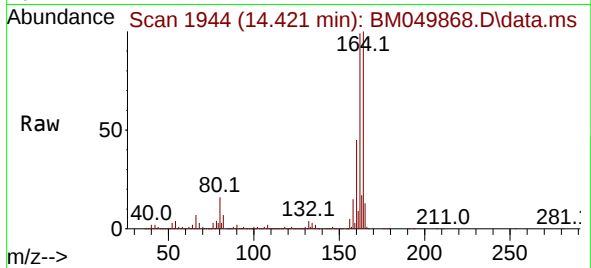




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

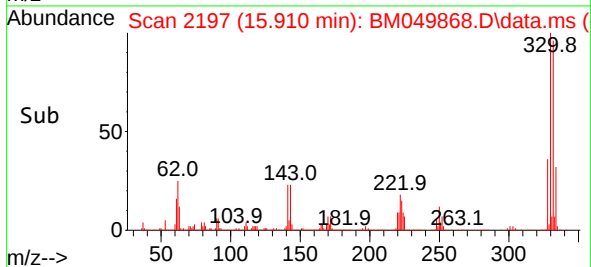
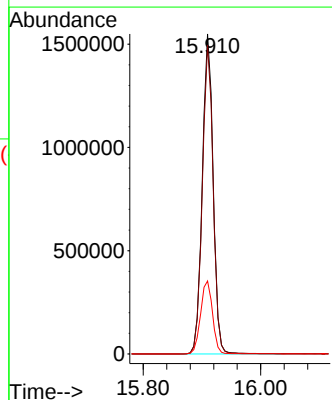
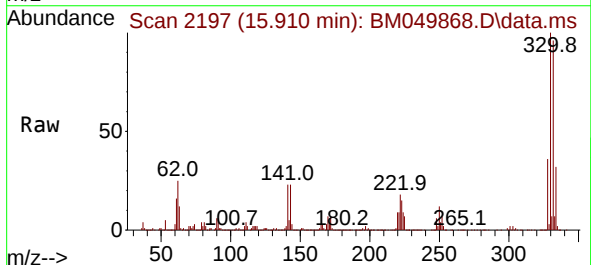
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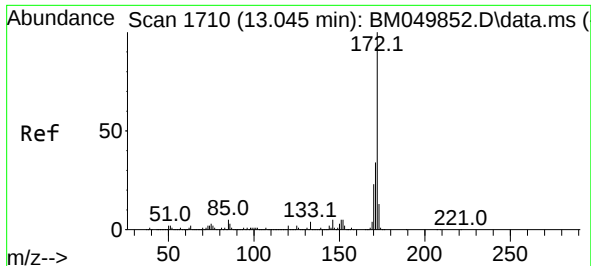
Tgt Ion:164 Resp: 770952
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 176.845 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:330 Resp: 1983101
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 25.0 23.5 35.3

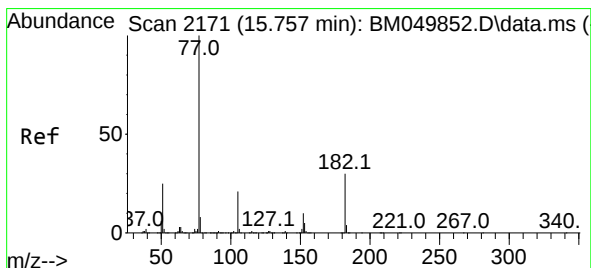
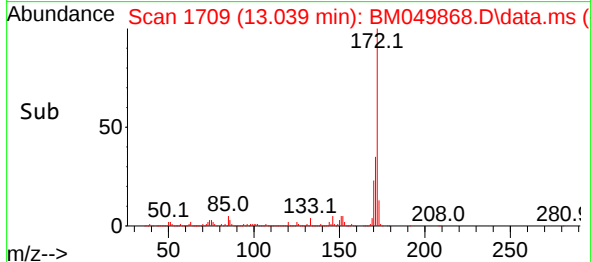
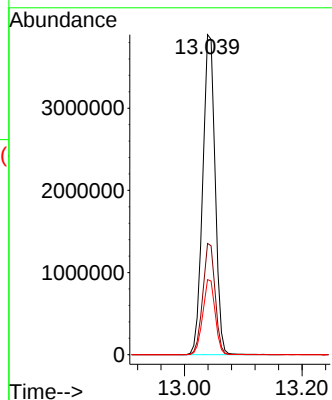
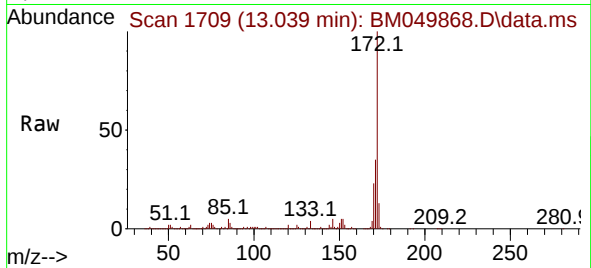




#45
2-Fluorobiphenyl
Concen: 100.769 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

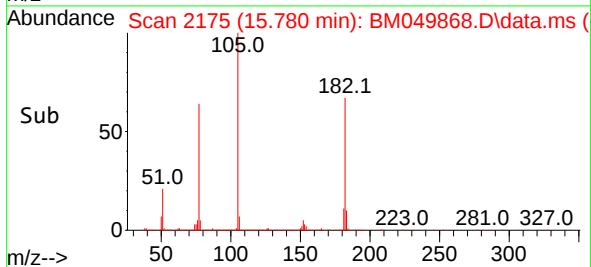
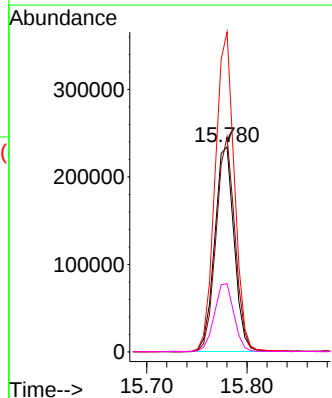
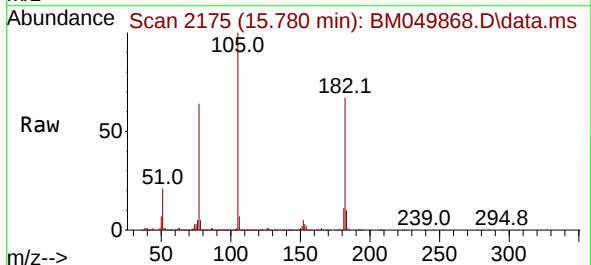
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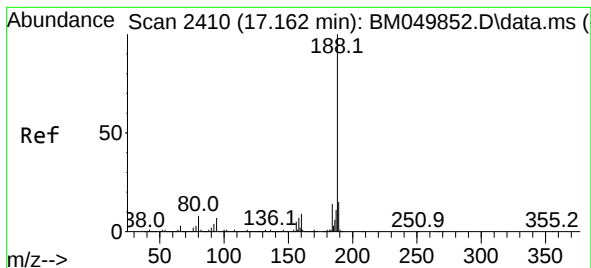
Tgt Ion:172 Resp: 5729173
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.5 18.6 28.0



#63
Azobenzene
Concen: 7.081 ng
RT: 15.780 min Scan# 2175
Delta R.T. 0.024 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion: 77 Resp: 316216
Ion Ratio Lower Upper
77 100
182 104.9 10.4 50.4#
105 156.0 1.5 41.5#
51 33.3 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

Instrument :

BNA_M

ClientSampleId :

B-149-SB02

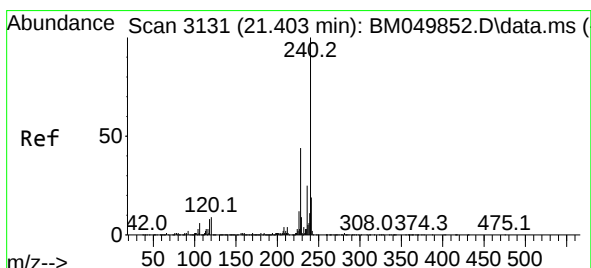
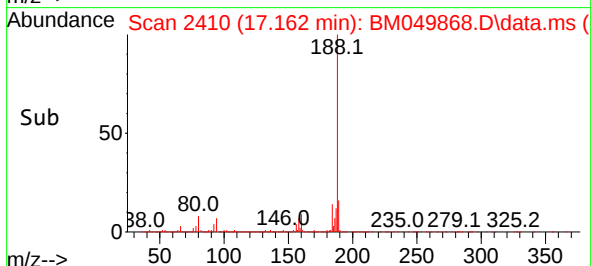
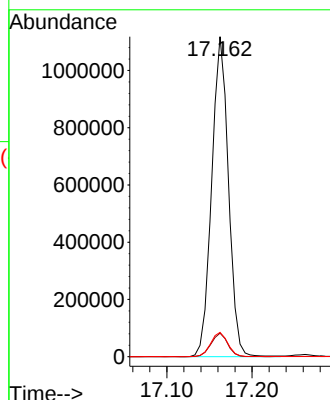
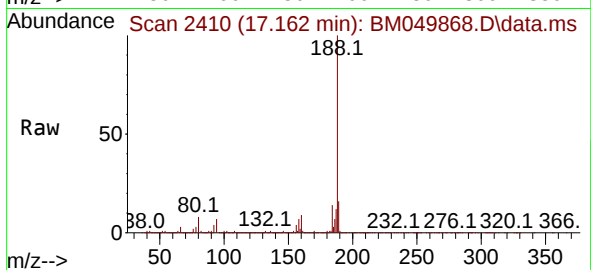
Tgt Ion:188 Resp: 1525445

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 7.6 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

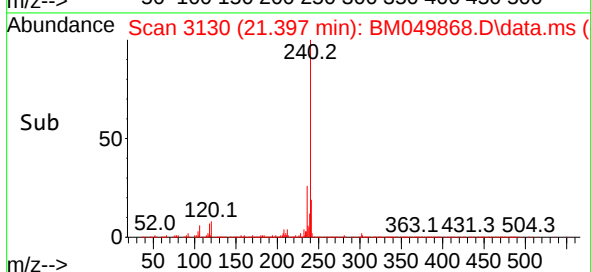
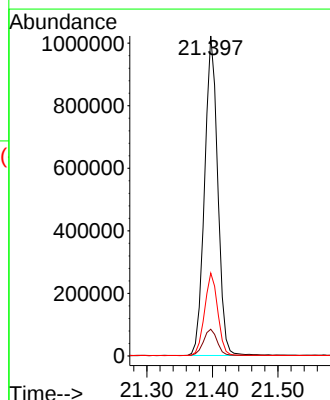
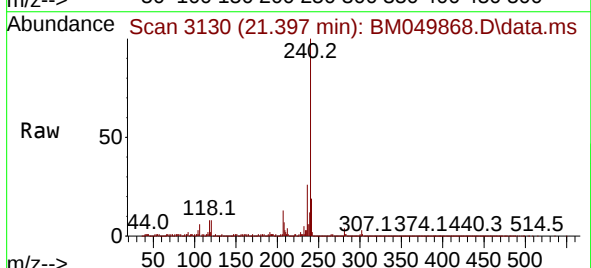
Tgt Ion:240 Resp: 1431866

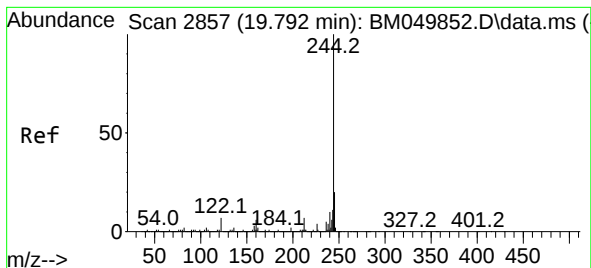
Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

236 25.9 20.4 30.6





#79

Terphenyl-d14

Concen: 108.591 ng

RT: 19.792 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

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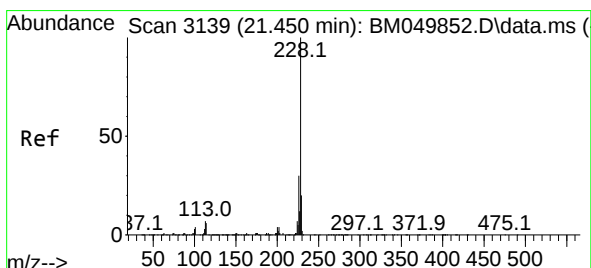
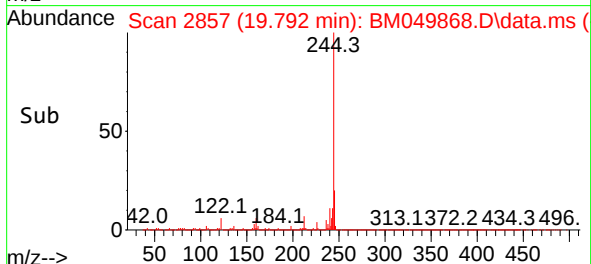
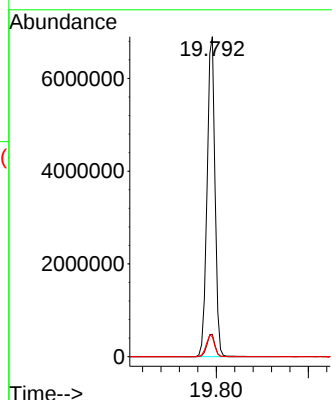
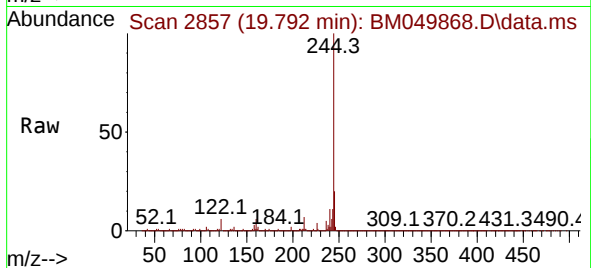
Tgt Ion:244 Resp: 8296901

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 6.2 5.4 8.0



#83

Chrysene

Concen: 2.202 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

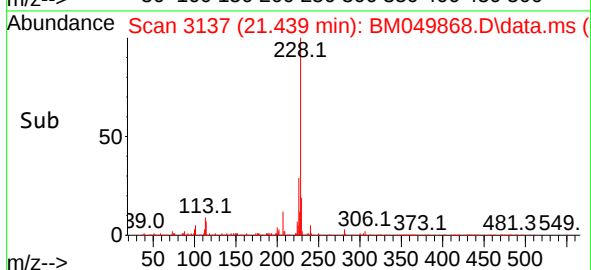
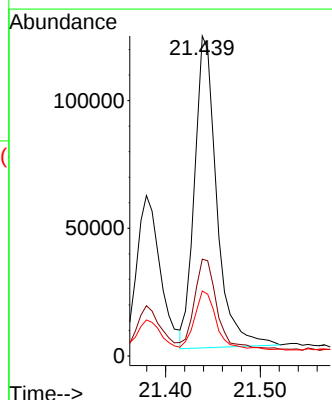
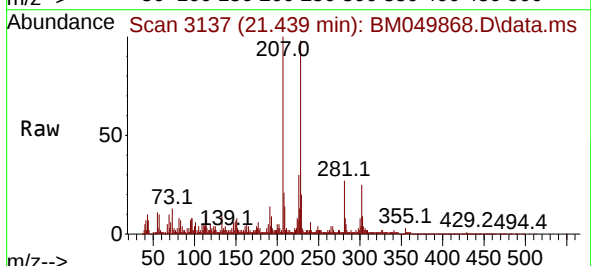
Tgt Ion:228 Resp: 199224

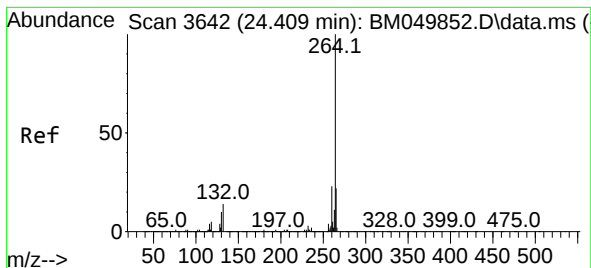
Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 20.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

Instrument :

BNA_M

ClientSampleId :

B-149-SB02

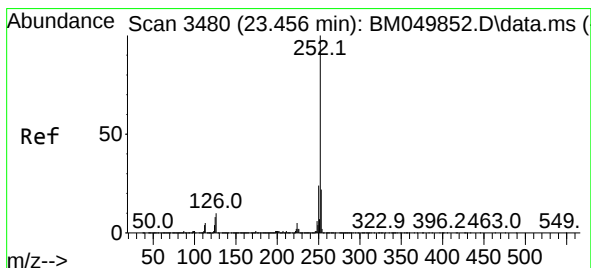
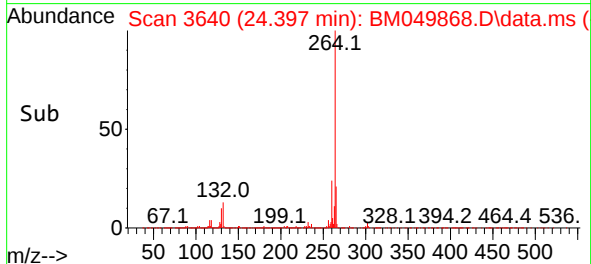
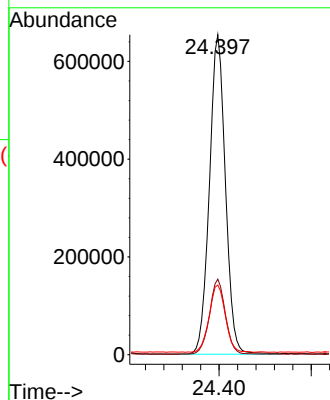
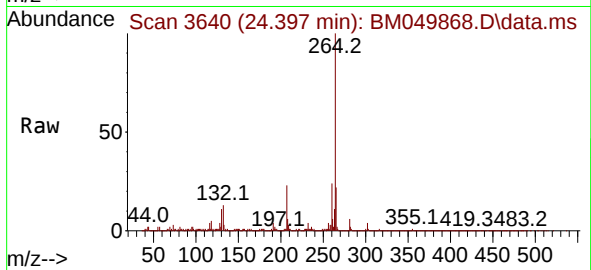
Tgt Ion:264 Resp: 1579355

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.8 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 2.900 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049868.D

Acq: 09 Apr 2025 15:05

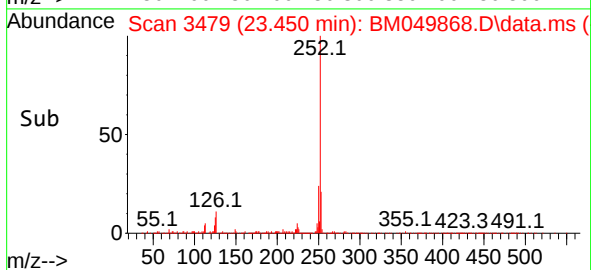
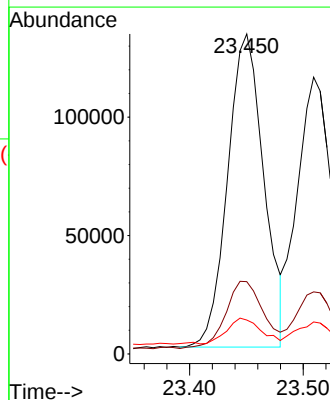
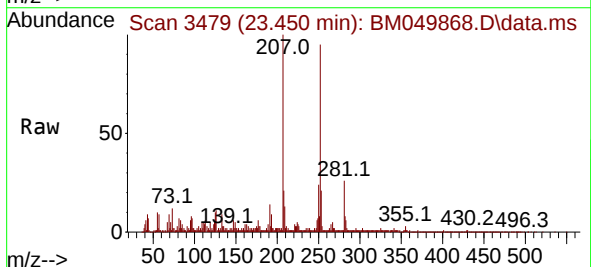
Tgt Ion:252 Resp: 292483

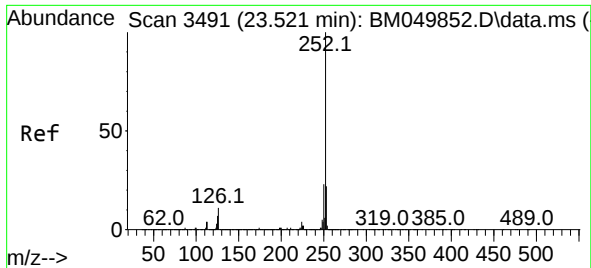
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

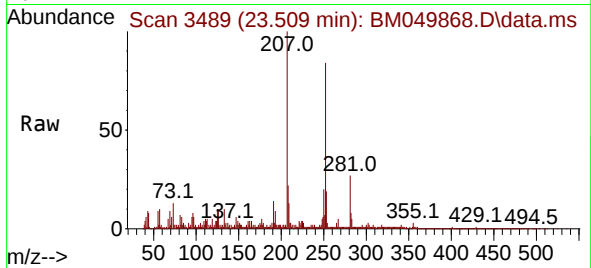
125 10.6 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 2.610 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02



Tgt Ion:252 Resp: 255087
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 11.5 5.8 8.8#

