

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049933.D
 Acq On : 15 Apr 2025 13:56
 Operator : RC/JU
 Sample : Q1779-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-22

Quant Time: Apr 15 14:35:37 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)

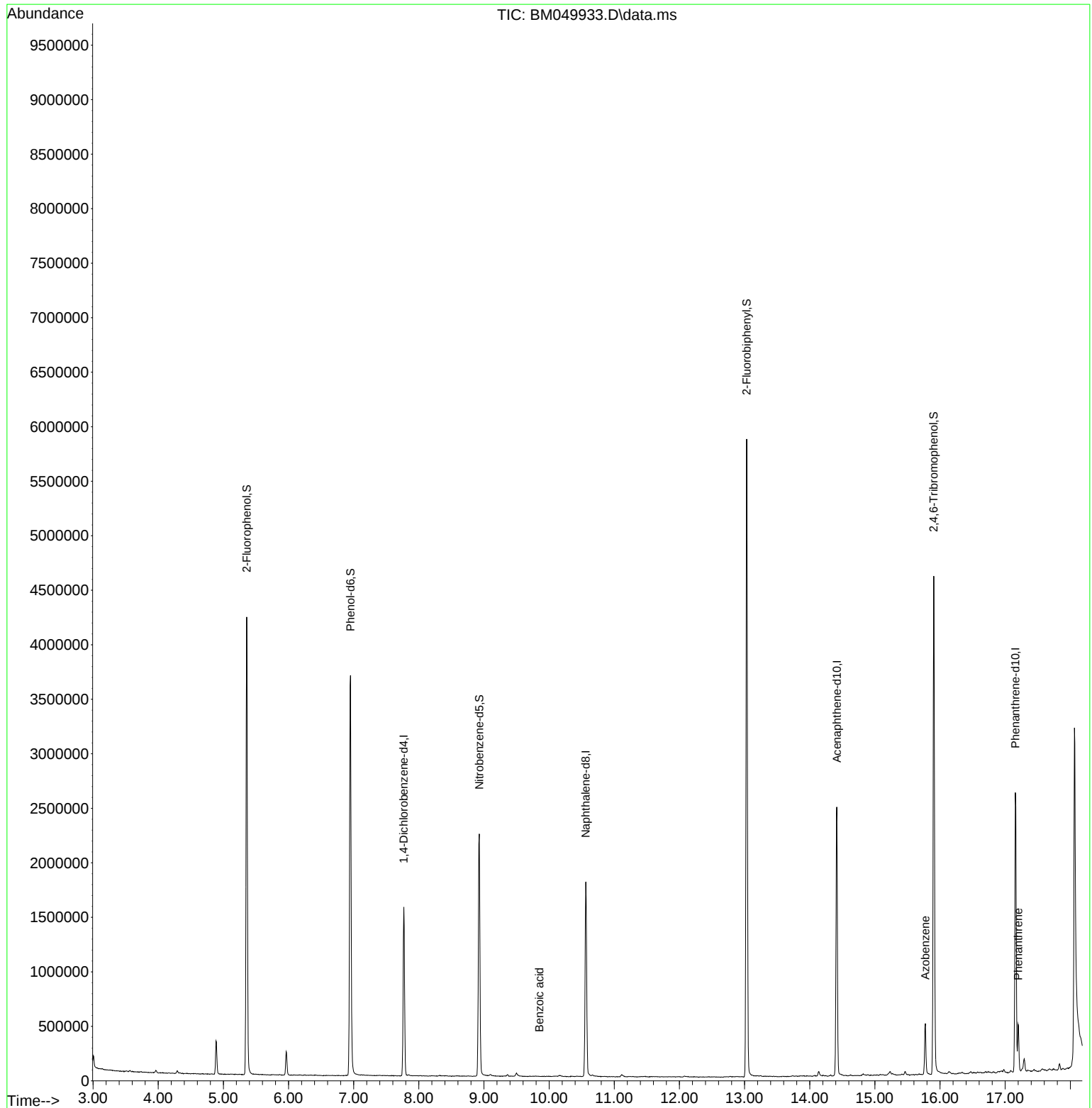
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	447246	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1519384	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	923056	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1616912	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1362647	20.000	ng	0.00
86) Perylene-d12	24.397	264	1567654	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1882338	71.467	ng	0.00
7) Phenol-d6	6.951	99	2258003	68.905	ng	0.00
23) Nitrobenzene-d5	8.928	82	1322607	48.473	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	944884	70.376	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	3160448	46.428	ng	-0.01
79) Terphenyl-d14	19.786	244	3645471	50.136	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.851	122	68	8.541	ng	# 1
63) Azobenzene	15.774	77	124424	2.327	ng	# 1
71) Phenanthrene	17.198	178	272242	3.071	ng	99
75) Fluoranthene	19.215	202	436072	4.001	ng	99
78) Pyrene	19.580	202	462219	4.922	ng	99
81) Benzo(a)anthracene	21.380	228	243828	2.692	ng	98
83) Chrysene	21.439	228	207261	2.407	ng	96
88) Benzo(b)fluoranthene	23.450	252	283625	2.833	ng	# 95
89) Benzo(k)fluoranthene	23.450	252	283625	2.923	ng	# 94
90) Benzo(a)pyrene	24.256	252	229124	2.604	ng	# 98

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

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TP-22

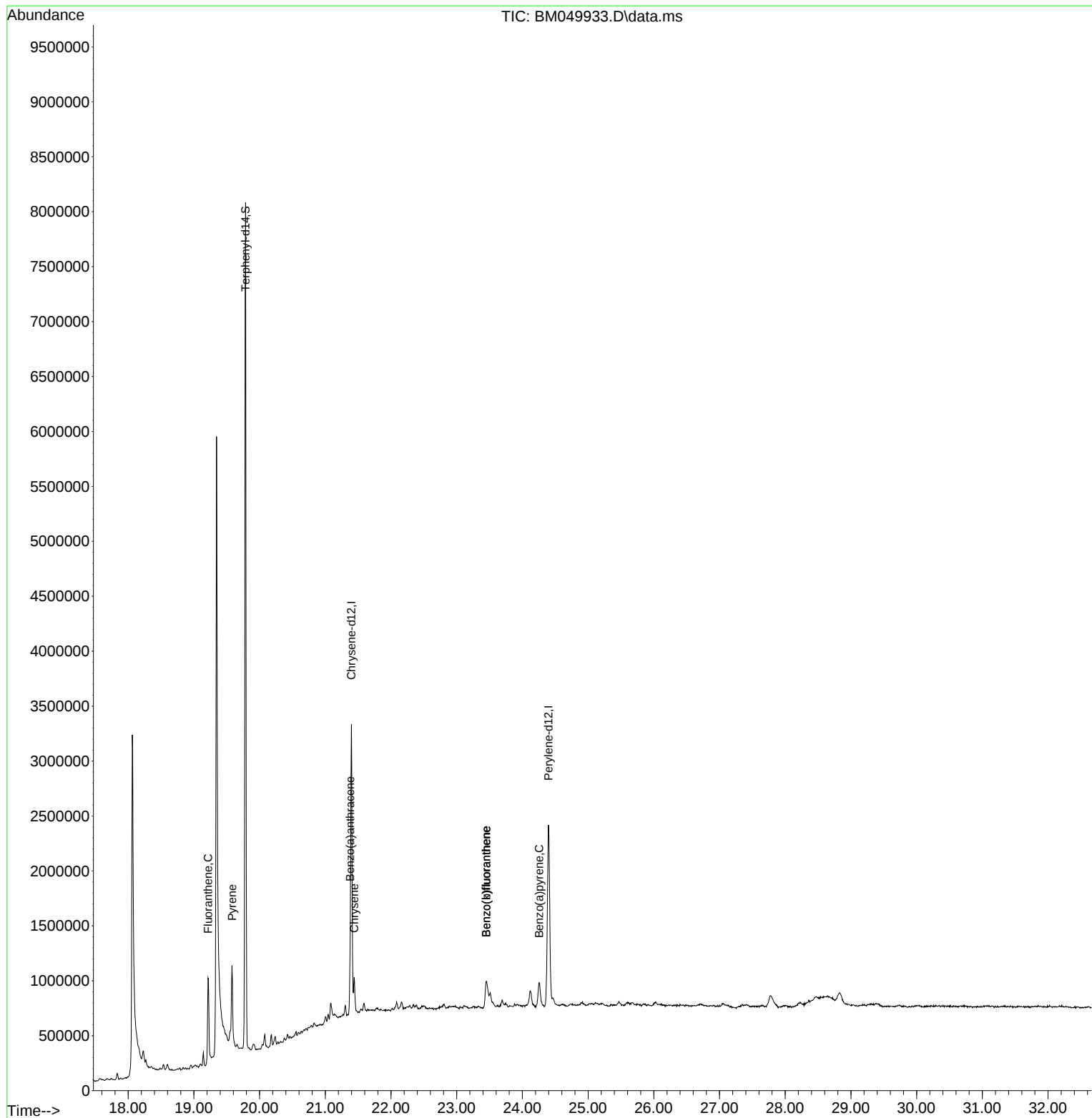
Quant Time: Apr 15 14:35:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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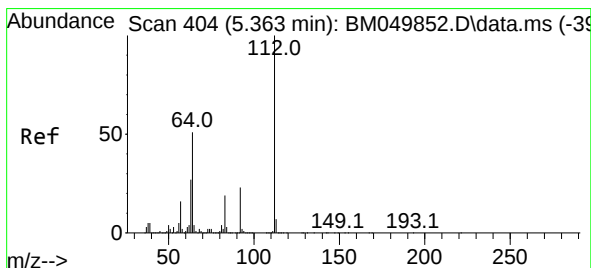
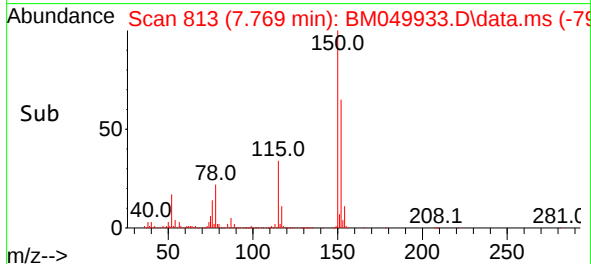
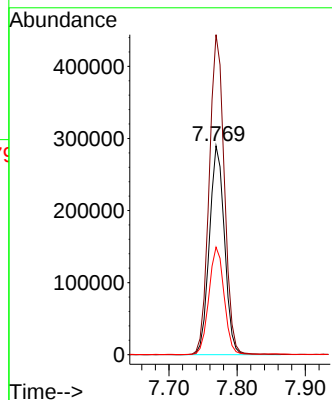
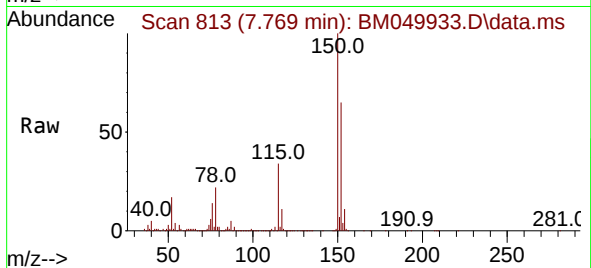




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

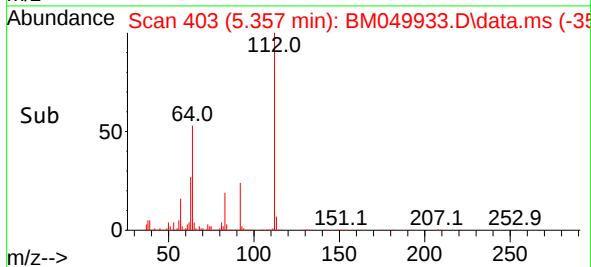
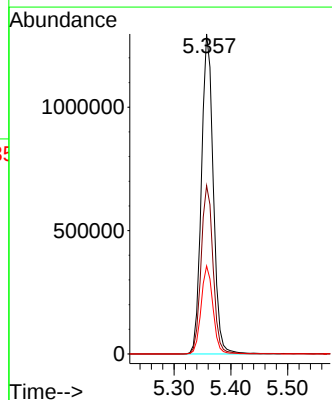
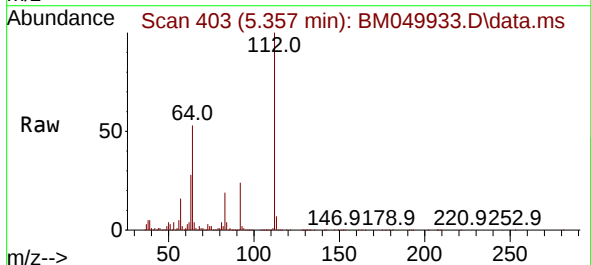
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ClientSampleId :
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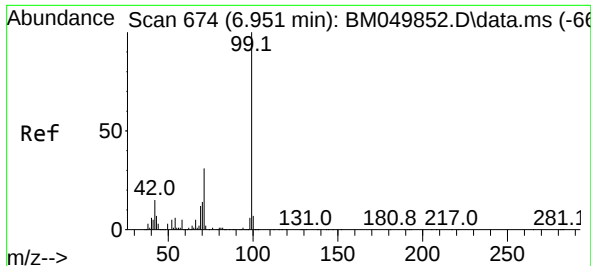
Tgt Ion:152 Resp: 447246
Ion Ratio Lower Upper
152 100
150 153.2 124.3 186.5
115 51.5 41.1 61.7



#5
2-Fluorophenol
Concen: 71.467 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:112 Resp: 1882338
Ion Ratio Lower Upper
112 100
64 52.6 41.0 61.6
63 27.5 21.5 32.3

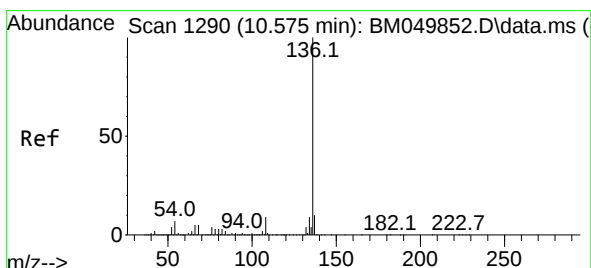
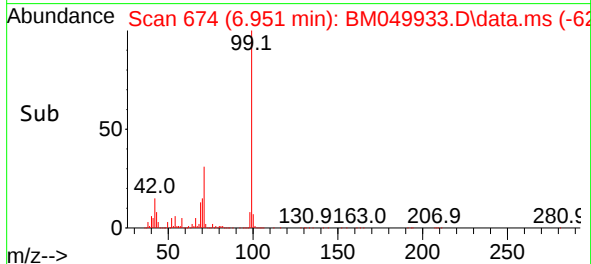
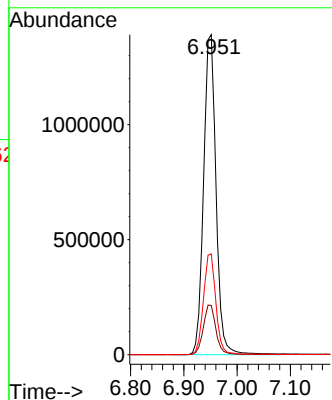
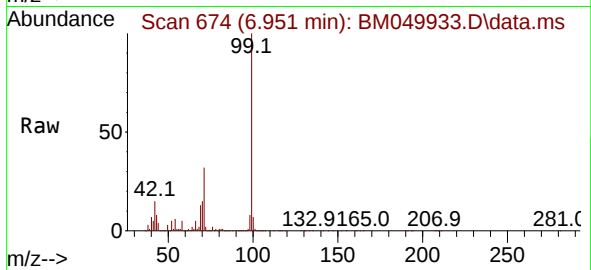




#7
Phenol-d6
Concen: 68.905 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

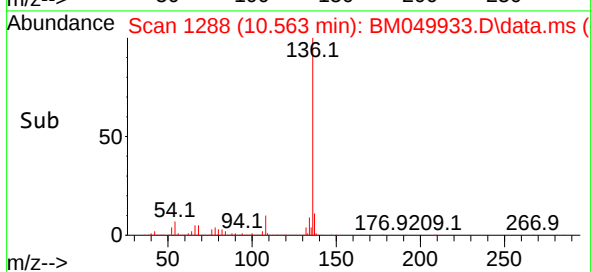
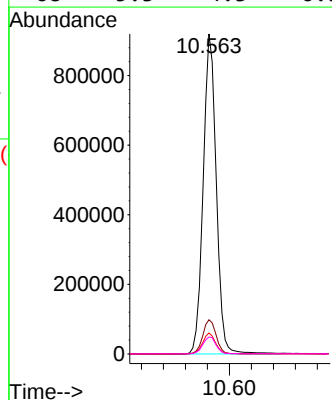
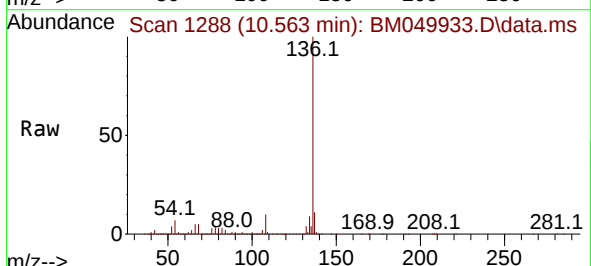
Instrument :
BNA_M
ClientSampleId :
TP-22

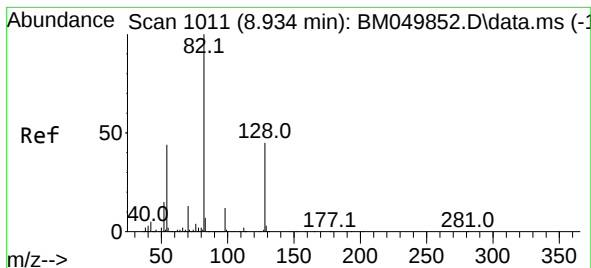
Tgt Ion: 99 Resp: 2258003
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.5 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:136 Resp: 1519384
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.5 5.3 7.9
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 48.473 ng

RT: 8.928 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

Instrument :

BNA_M

ClientSampleId :

TP-22

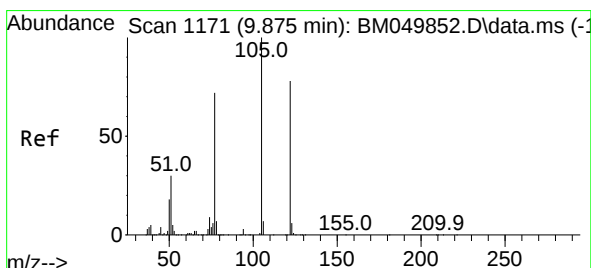
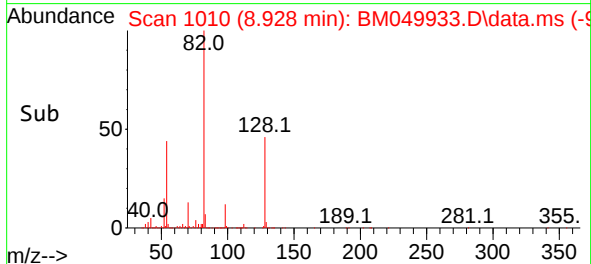
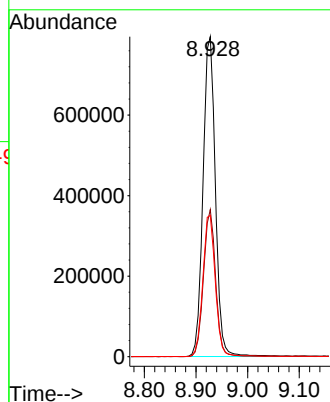
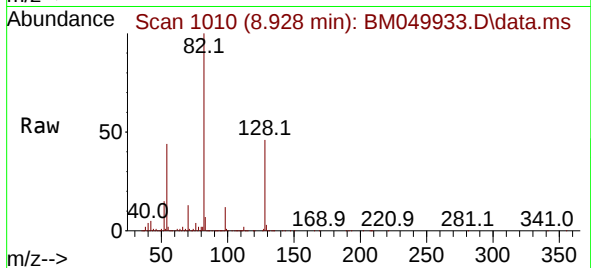
Tgt Ion: 82 Resp: 1322607

Ion Ratio Lower Upper

82 100

128 46.0 36.2 54.2

54 44.1 35.0 52.6



#32

Benzoic acid

Concen: 8.541 ng

RT: 9.851 min Scan# 1167

Delta R.T. -0.024 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

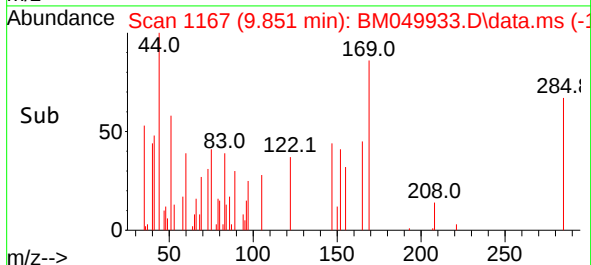
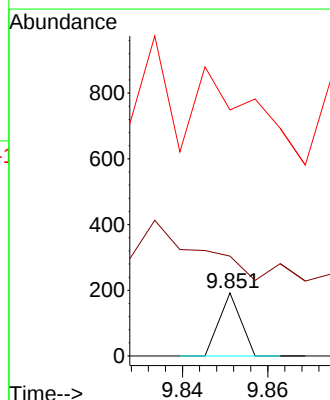
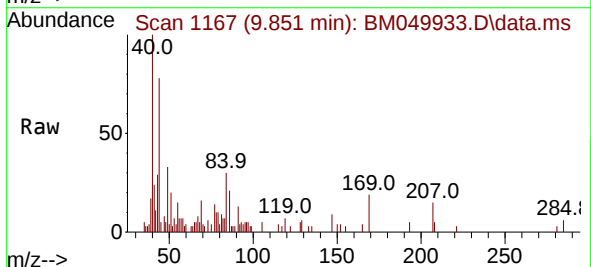
Tgt Ion:122 Resp: 68

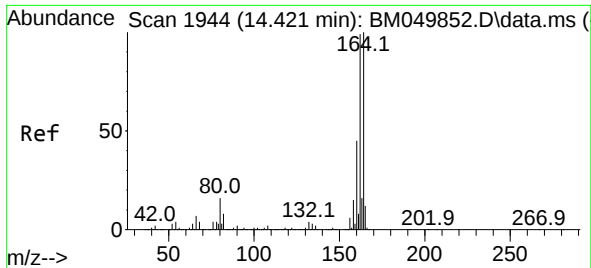
Ion Ratio Lower Upper

122 100

105 158.3 103.8 143.8#

77 390.1 70.7 110.7#

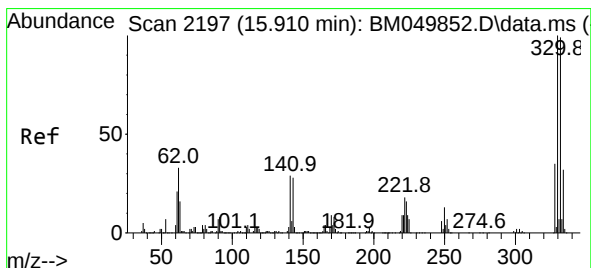
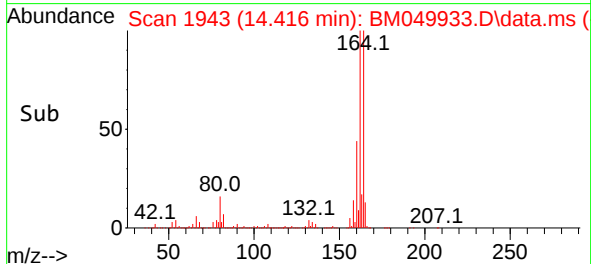
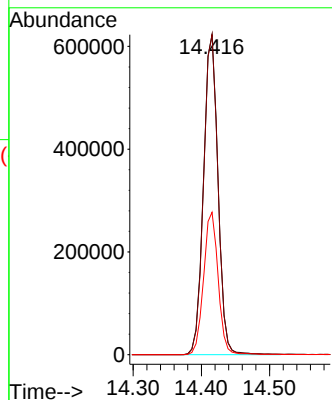
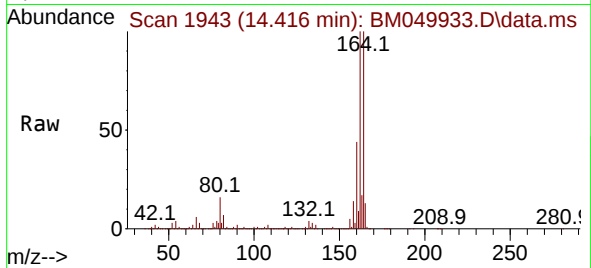




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

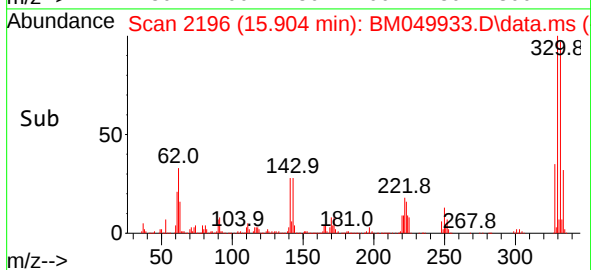
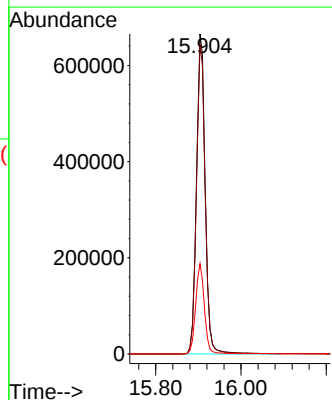
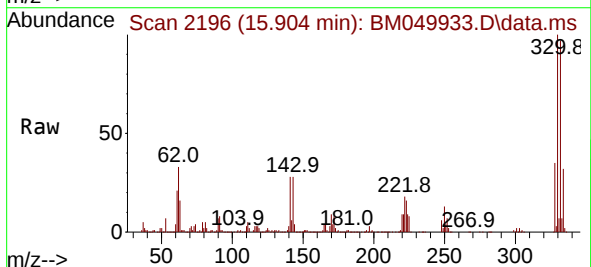
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TP-22

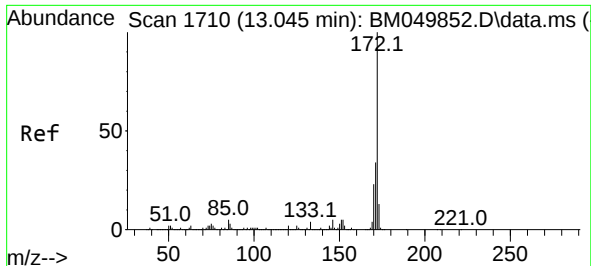
Tgt Ion:164 Resp: 923056
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 70.376 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:330 Resp: 944884
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 28.4 23.5 35.3

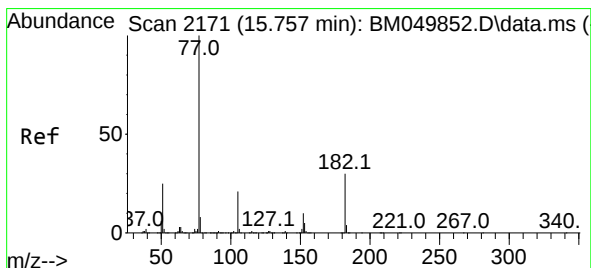
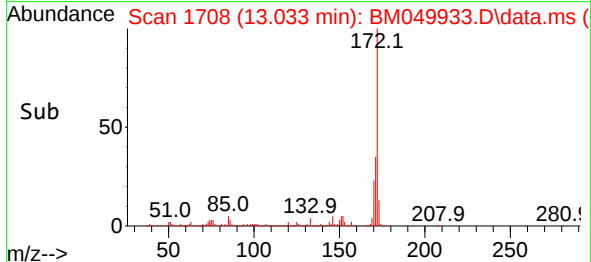
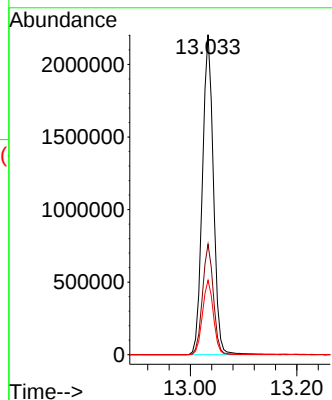
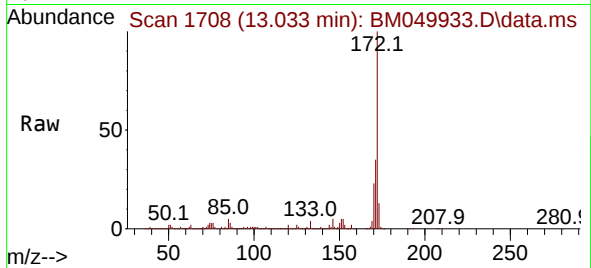




#45
2-Fluorobiphenyl
Concen: 46.428 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

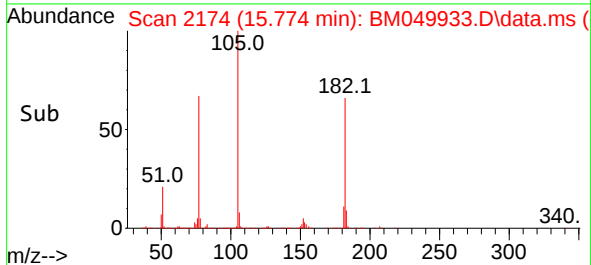
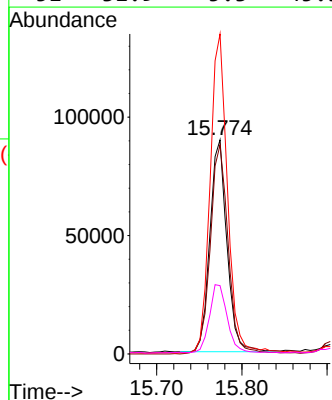
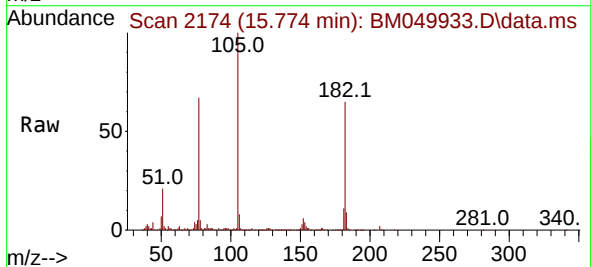
Instrument :
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ClientSampleId :
TP-22

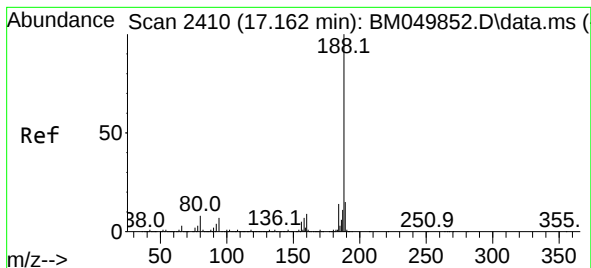
Tgt Ion:172 Resp: 3160448
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.2 18.6 28.0



#63
Azobenzene
Concen: 2.327 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion: 77 Resp: 124424
Ion Ratio Lower Upper
77 100
182 97.7 10.4 50.4#
105 149.5 1.5 41.5#
51 31.9 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

Instrument :

BNA_M

ClientSampleId :

TP-22

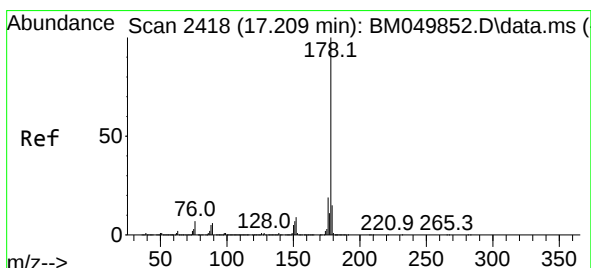
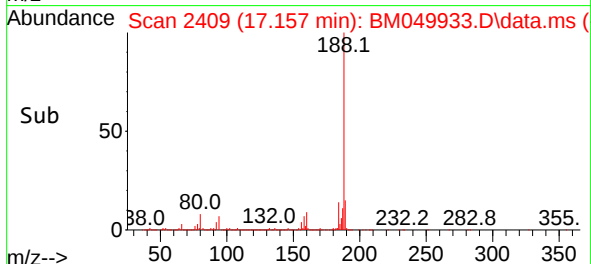
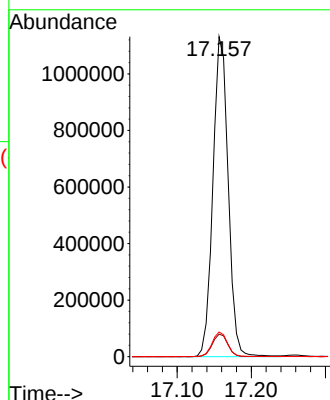
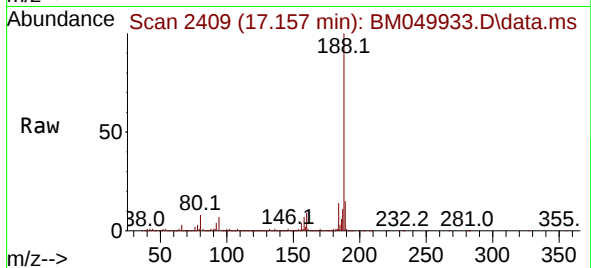
Tgt Ion:188 Resp: 1616912

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.7 6.4 9.6



#71

Phenanthrene

Concen: 3.071 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

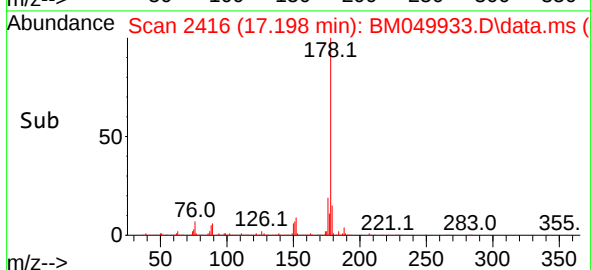
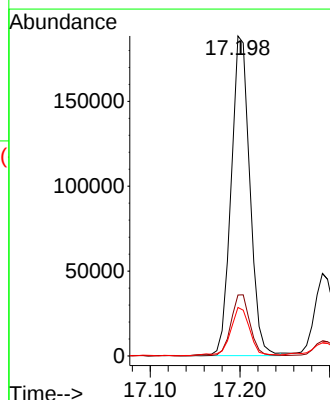
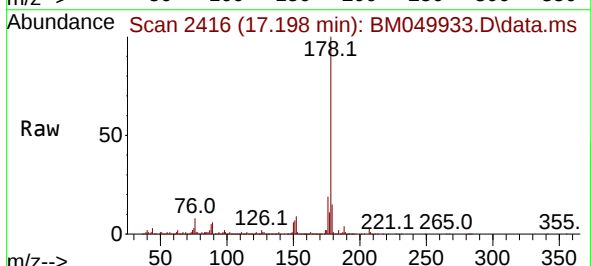
Tgt Ion:178 Resp: 272242

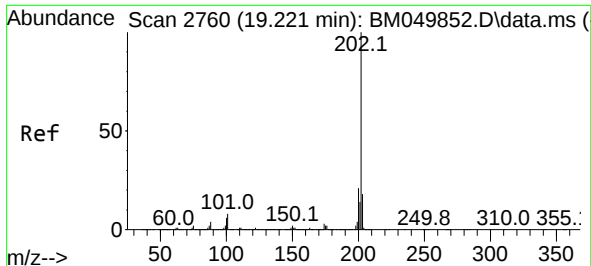
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.2 12.3 18.5

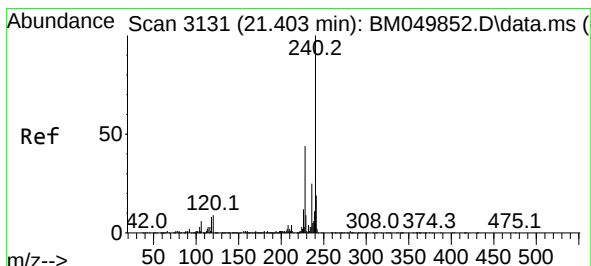
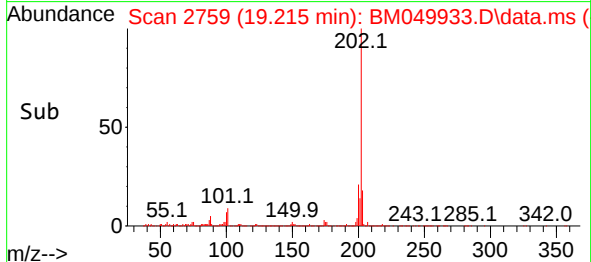
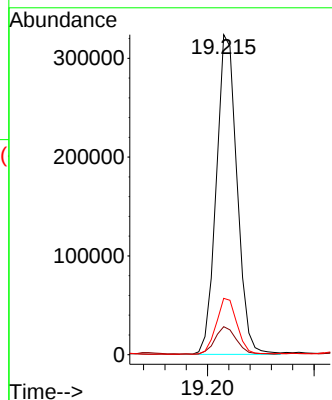
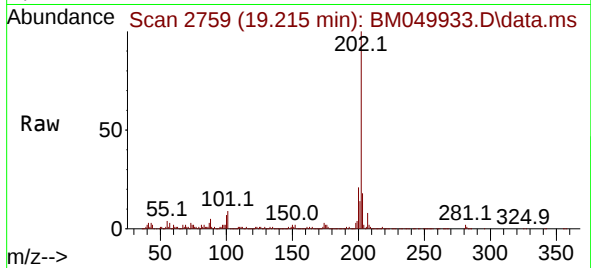




#75
Fluoranthene
Concen: 4.001 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

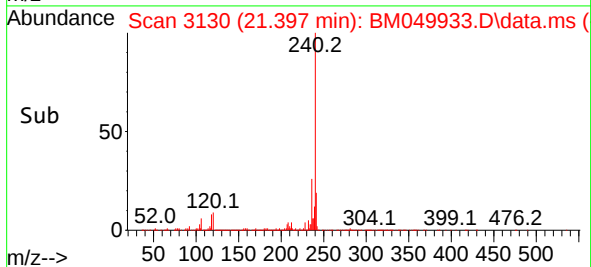
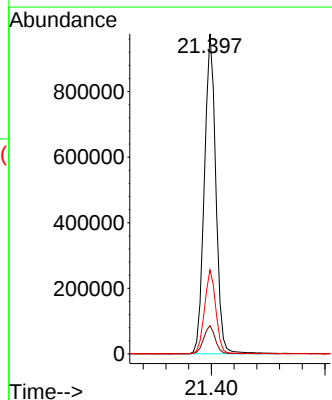
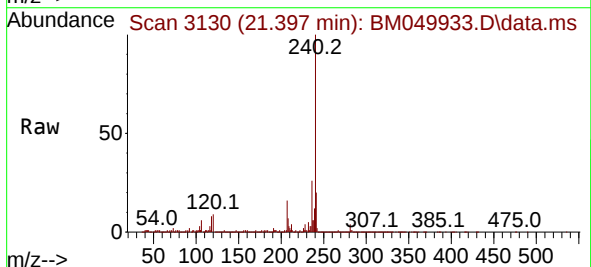
Instrument :
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TP-22

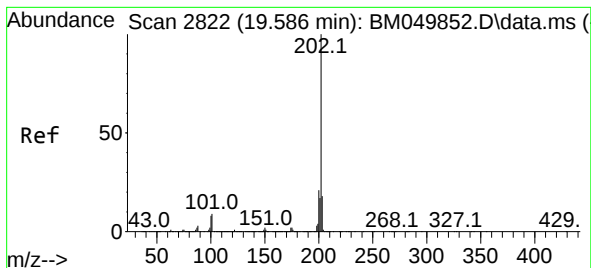
Tgt Ion:202 Resp: 436072
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:240 Resp: 1362647
Ion Ratio Lower Upper
240 100
120 8.9 6.9 10.3
236 26.2 20.4 30.6





#78

Pyrene

Concen: 4.922 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

Instrument :

BNA_M

ClientSampleId :

TP-22

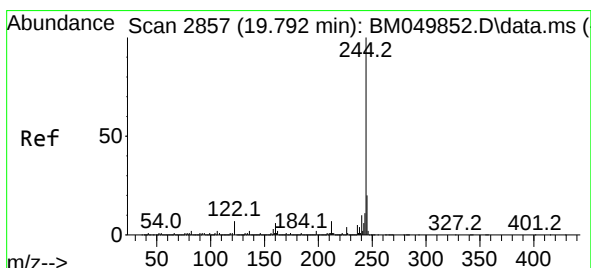
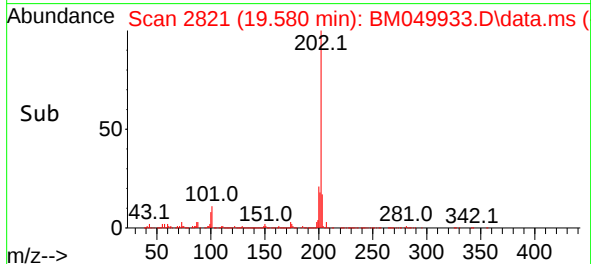
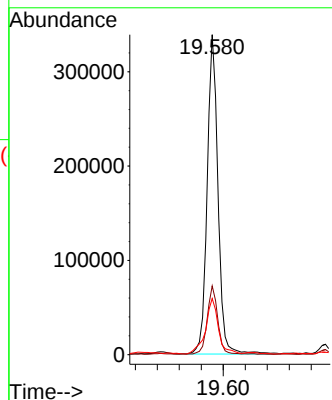
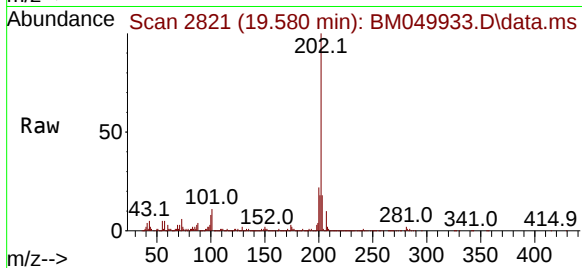
Tgt Ion:202 Resp: 462219

Ion Ratio Lower Upper

202 100

200 21.5 16.5 24.7

203 17.5 14.0 21.0



#79

Terphenyl-d14

Concen: 50.136 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

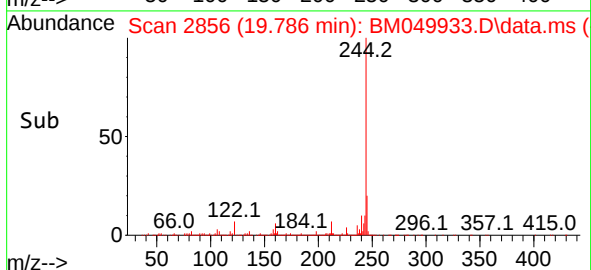
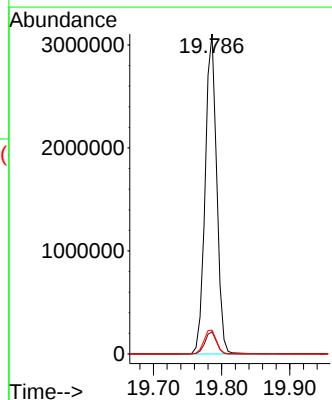
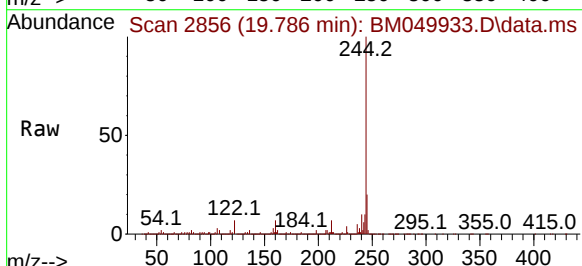
Tgt Ion:244 Resp: 3645471

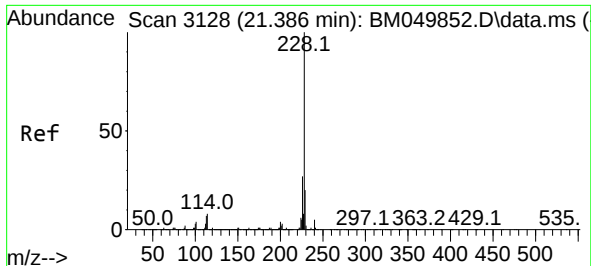
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.5 5.4 8.0

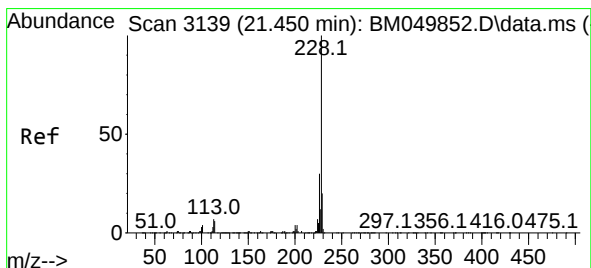
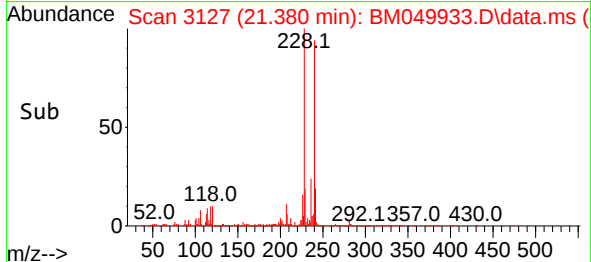
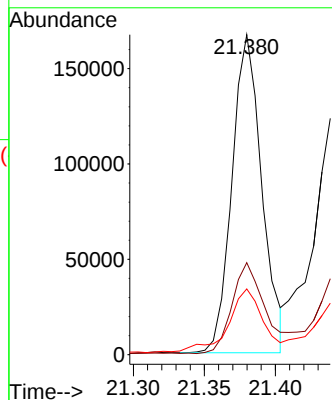
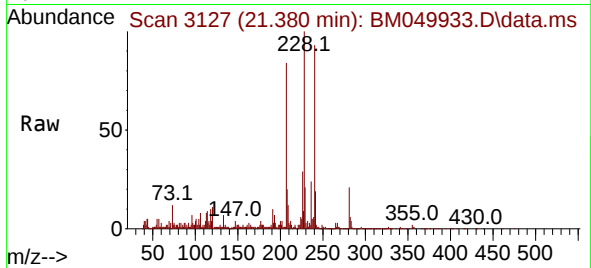




#81
Benzo(a)anthracene
Concen: 2.692 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

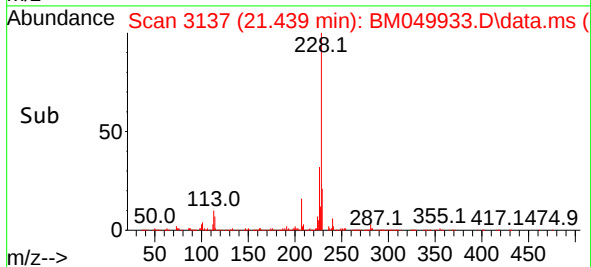
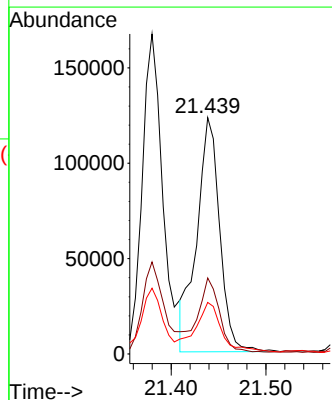
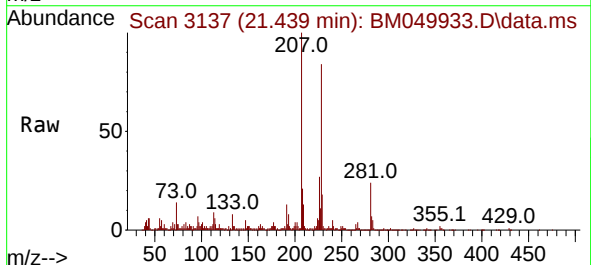
Instrument :
BNA_M
ClientSampleId :
TP-22

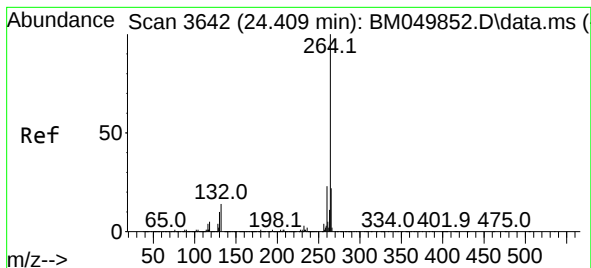
Tgt Ion:228 Resp: 243828
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 20.6 15.8 23.8



#83
Chrysene
Concen: 2.407 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:228 Resp: 207261
Ion Ratio Lower Upper
228 100
226 32.2 24.1 36.1
229 21.8 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: BM049933.D

Acq: 15 Apr 2025 13:56

Instrument :

BNA_M

ClientSampleId :

TP-22

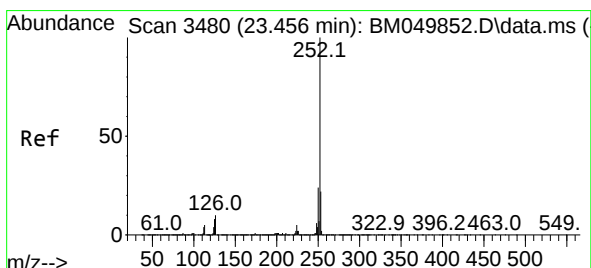
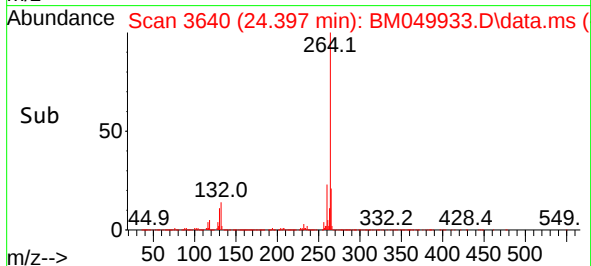
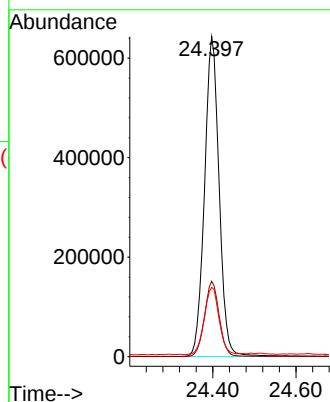
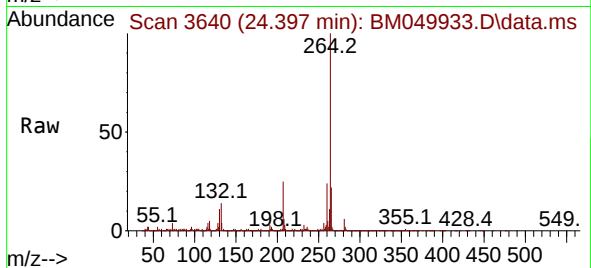
Tgt Ion:264 Resp: 1567654

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.6 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 2.833 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049933.D

Acq: 15 Apr 2025 13:56

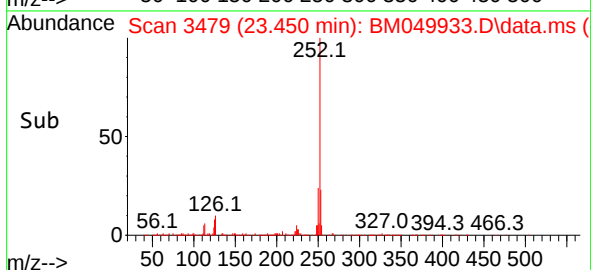
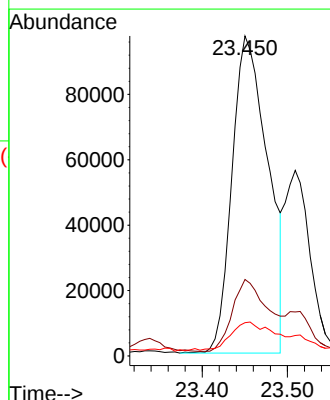
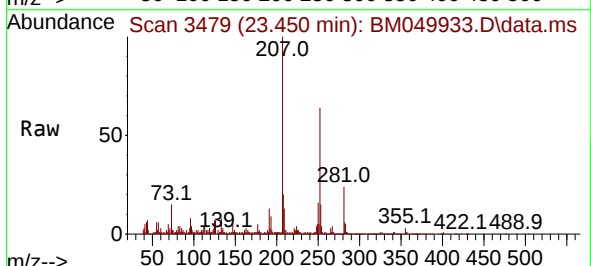
Tgt Ion:252 Resp: 283625

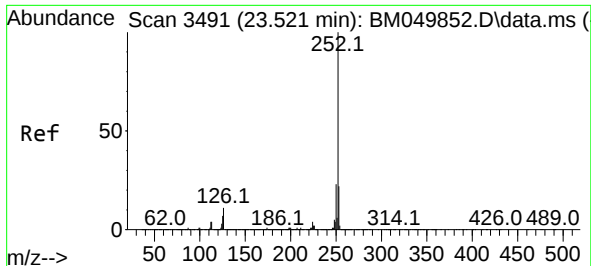
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 10.4 6.2 9.4#

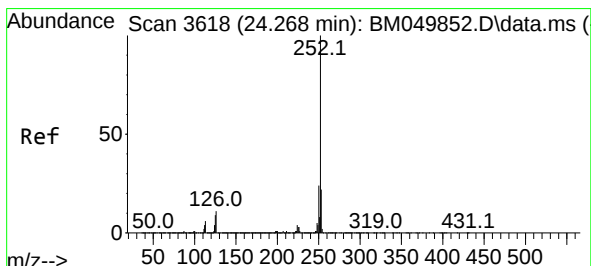
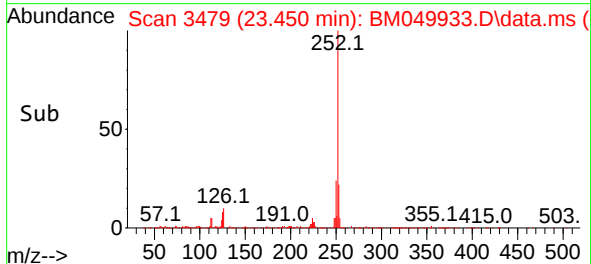
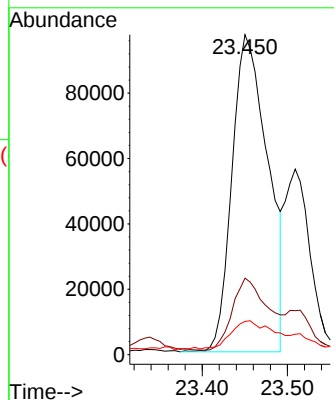
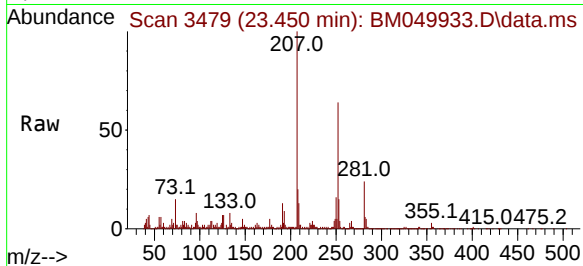




#89
Benzo(k)fluoranthene
Concen: 2.923 ng
RT: 23.450 min Scan# 3491
Delta R.T. -0.071 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Instrument :
BNA_M
ClientSampleId :
TP-22

Tgt Ion:252 Resp: 283625
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 10.4 5.8 8.8#



#90
Benzo(a)pyrene
Concen: 2.604 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049933.D
Acq: 15 Apr 2025 13:56

Tgt Ion:252 Resp: 229124
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.1 7.0 10.4#

