

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
 Data File : BM049685.D
 Acq On : 28 Feb 2025 19:13
 Operator : RC/JU
 Sample : Q1457-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HR-0-02272025

Quant Time: Feb 28 22:01:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

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

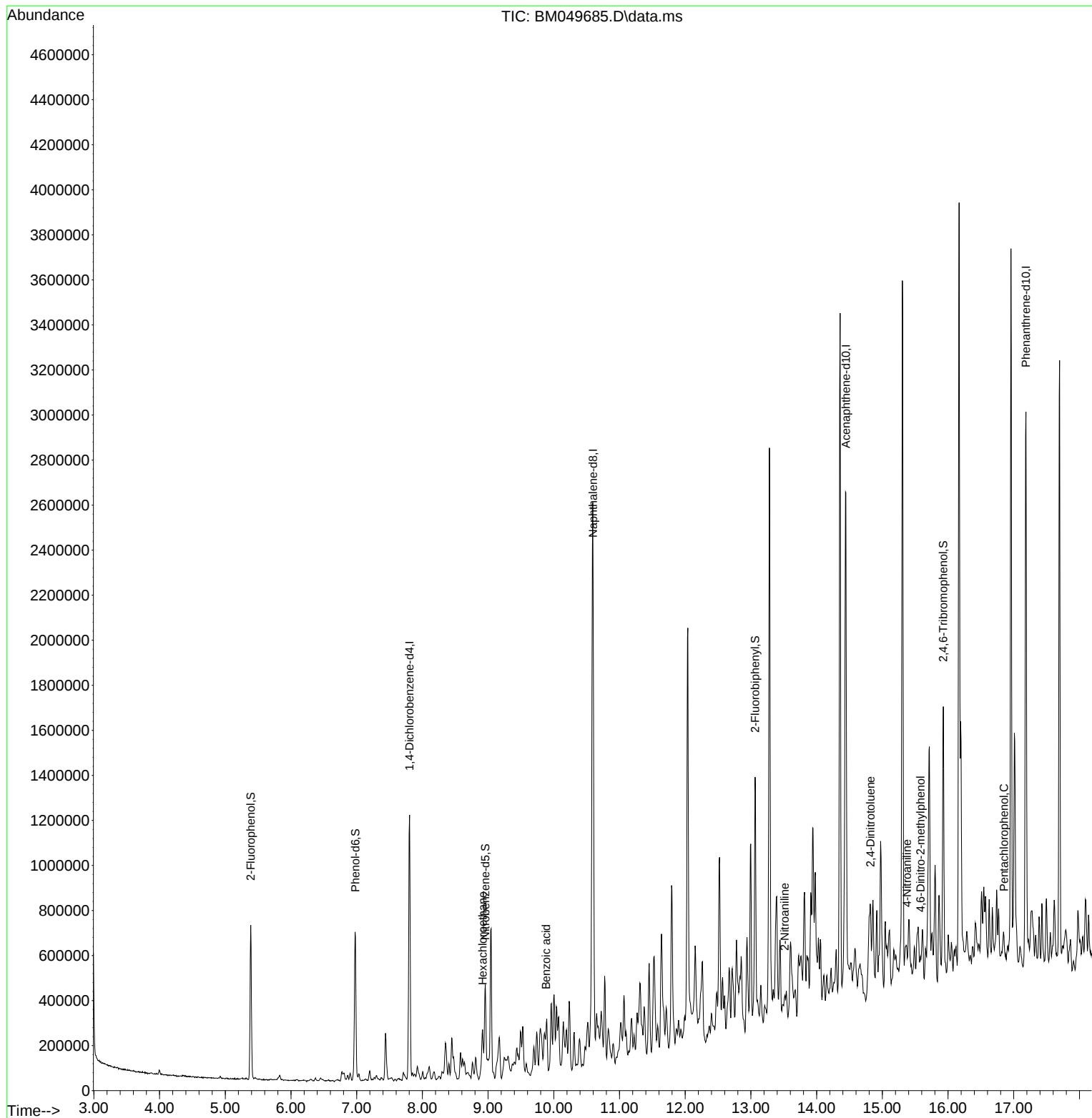
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	324647	20.000	ng	-0.02
21) Naphthalene-d8	10.598	136	1119705	20.000	ng	-0.03
39) Acenaphthene-d10	14.445	164	727209	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1445730	20.000	ng	#-0.02
76) Chrysene-d12	21.421	240	1467642	20.000	ng	-0.02
86) Perylene-d12	24.438	264	1607451	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	302679	14.993	ng	0.00
7) Phenol-d6	6.981	99	379889	14.363	ng	0.00
23) Nitrobenzene-d5	8.957	82	219772	10.096	ng	-0.02
42) 2,4,6-Tribromophenol	15.927	330	143088	16.606	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	587687	10.469	ng	-0.03
79) Terphenyl-d14	19.809	244	892780	9.289	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	8.916	117	18926	2.189	ng	# 1
32) Benzoic acid	9.880	122	107	4.931	ng	# 1
48) 2-Nitroaniline	13.516	65	1079	4.214	ng	# 54
57) 2,4-Dinitrotoluene	14.821	165	1432	2.694	ng	# 72
62) 4-Nitroaniline	15.374	138	298	4.233	ng	87
65) 4,6-Dinitro-2-methylph...	15.580	198	129	3.918	ng	# 1
70) Pentachlorophenol	16.851	266	3070	7.926	ng	94

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

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Instrument :
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ClientSampleId :
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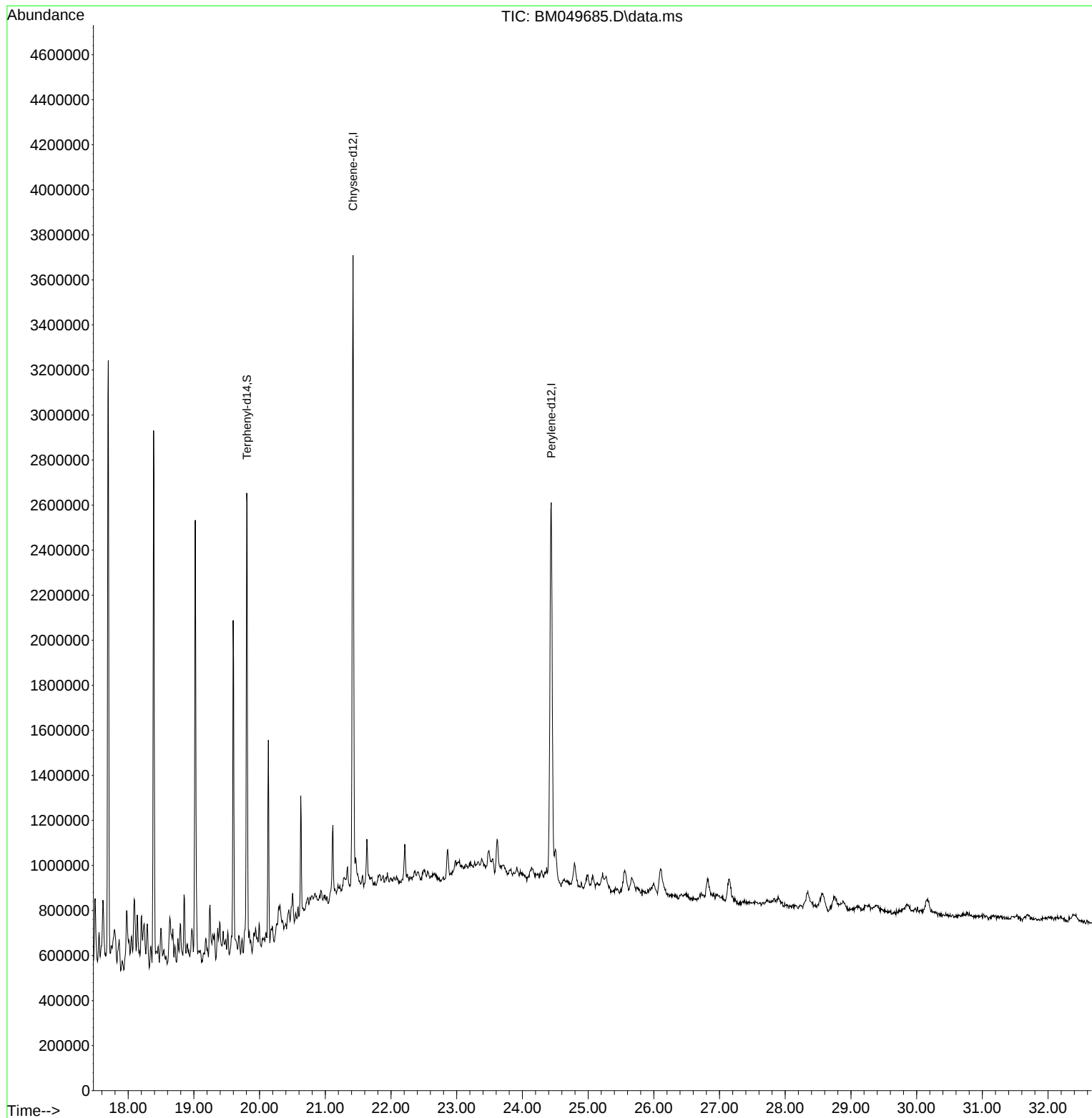
Quant Time: Feb 28 22:01:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

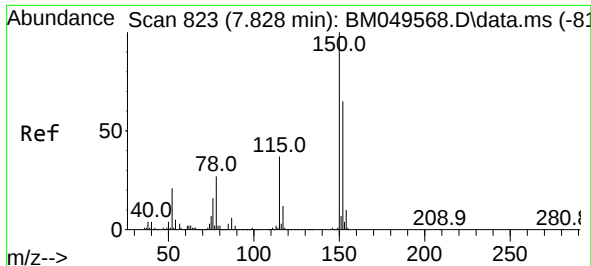


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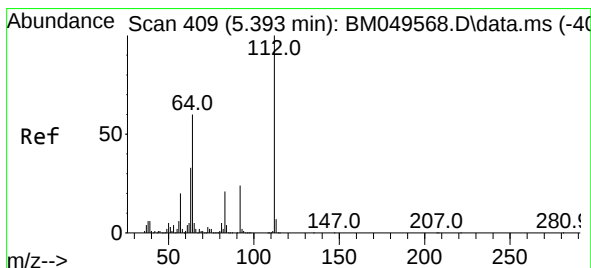
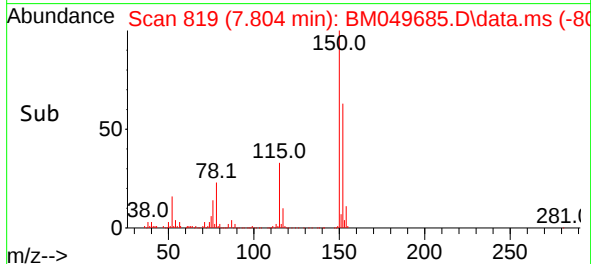
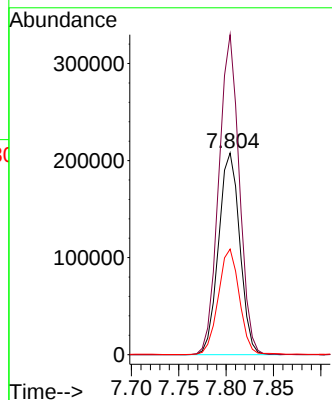
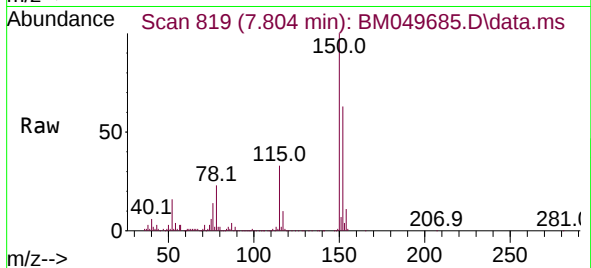




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

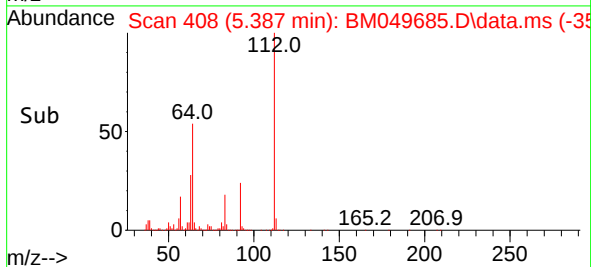
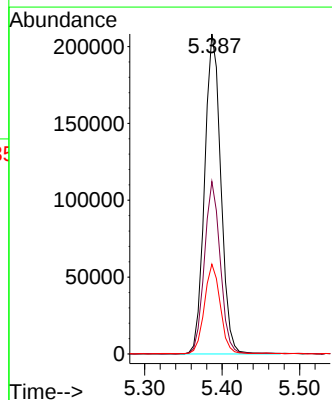
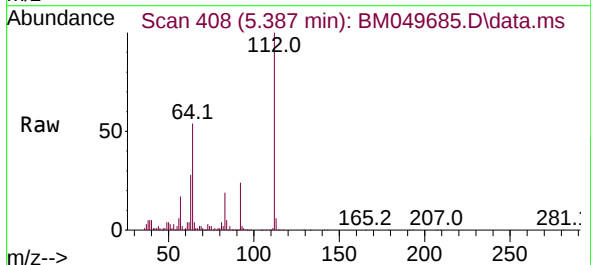
Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

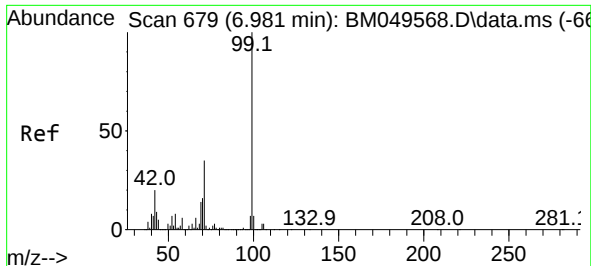
Tgt Ion:152 Resp: 324647
Ion Ratio Lower Upper
152 100
150 158.6 122.6 184.0
115 52.3 45.4 68.0



#5
2-Fluorophenol
Concen: 14.993 ng
RT: 5.387 min Scan# 408
Delta R.T. -0.006 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:112 Resp: 302679
Ion Ratio Lower Upper
112 100
64 53.9 47.8 71.8
63 28.0 26.2 39.4

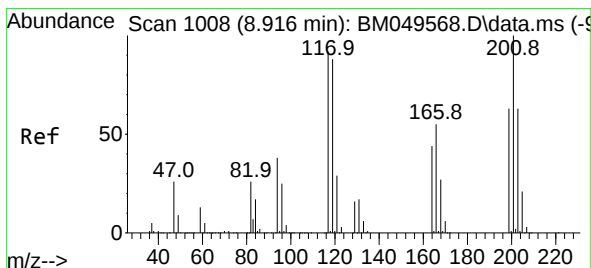
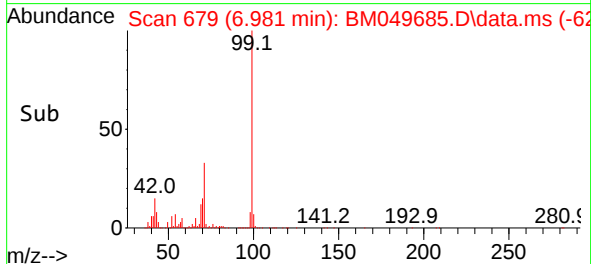
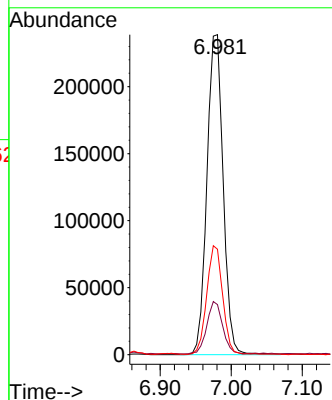
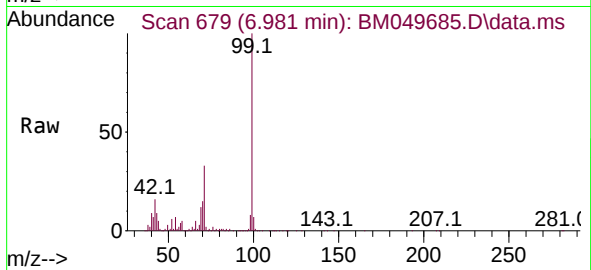




#7
Phenol-d6
Concen: 14.363 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

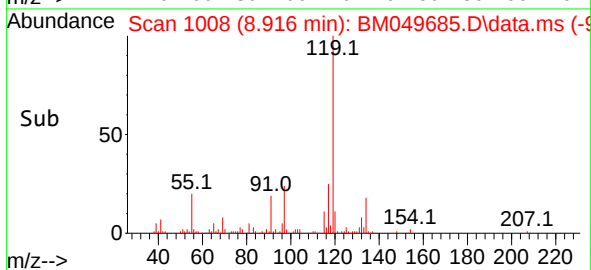
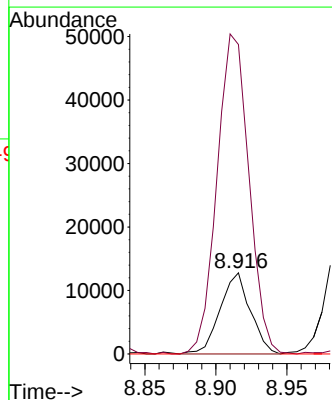
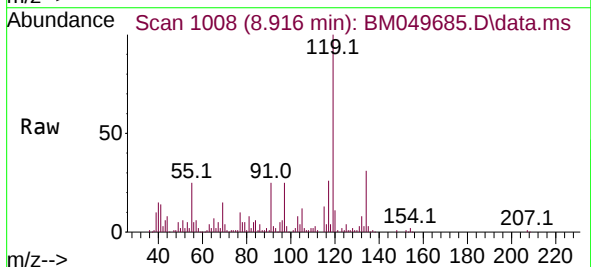
Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

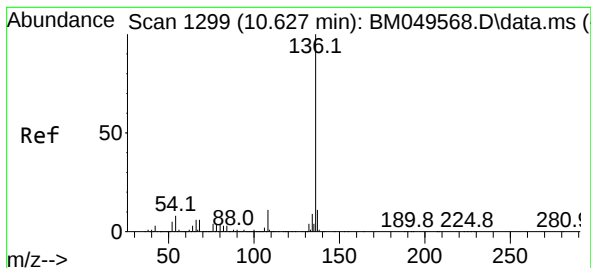
Tgt Ion: 99 Resp: 379889
Ion Ratio Lower Upper
99 100
42 15.7 16.0 24.0#
71 33.0 27.8 41.6



#18
Hexachloroethane
Concen: 2.189 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion: 117 Resp: 18926
Ion Ratio Lower Upper
117 100
119 381.2 76.8 115.2#
201 0.0 87.0 130.6#

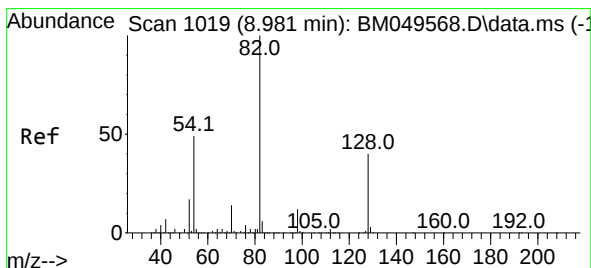
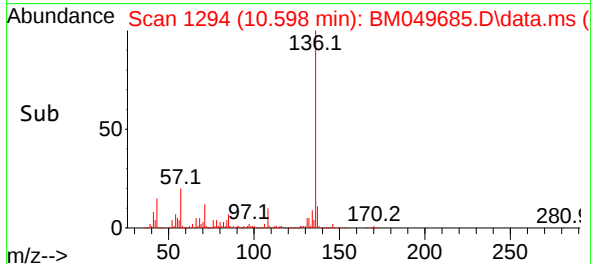
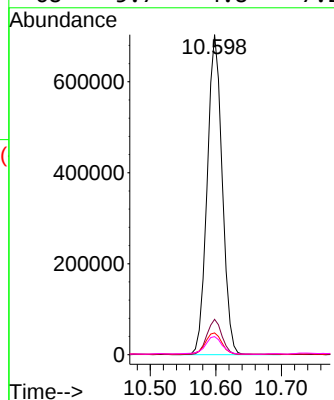
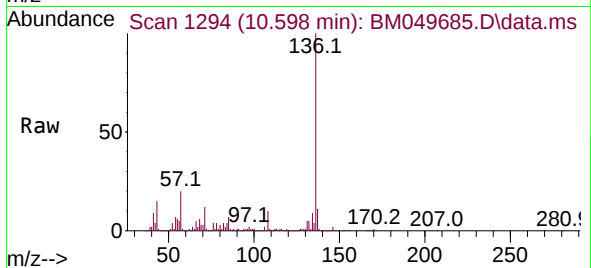




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

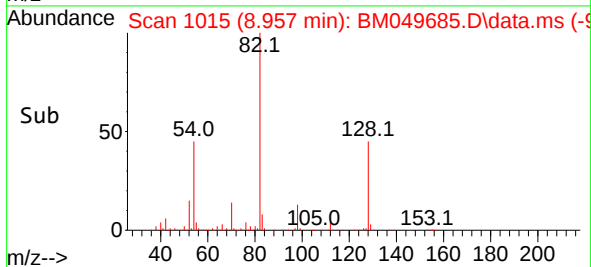
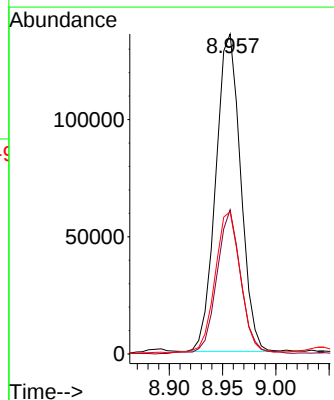
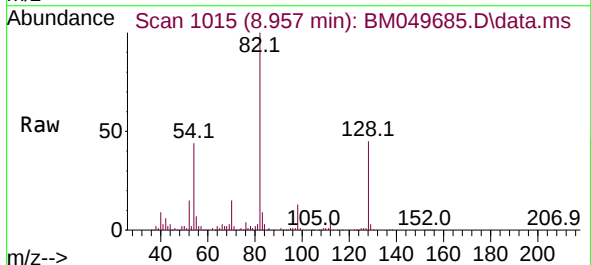
Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

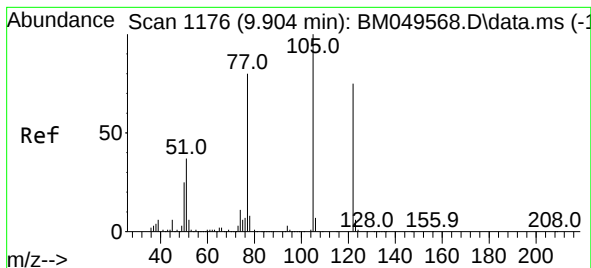
Tgt Ion:136 Resp: 1119705
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 6.8 6.6 10.0
68 5.7 4.8 7.2



#23
Nitrobenzene-d5
Concen: 10.096 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion: 82 Resp: 219772
Ion Ratio Lower Upper
82 100
128 45.0 31.6 47.4
54 44.4 39.4 59.0





#32

Benzoic acid

Concen: 4.931 ng

RT: 9.880 min Scan# 1176

Delta R.T. -0.024 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

Instrument :

BNA_M

ClientSampleId :

HR-0-02272025

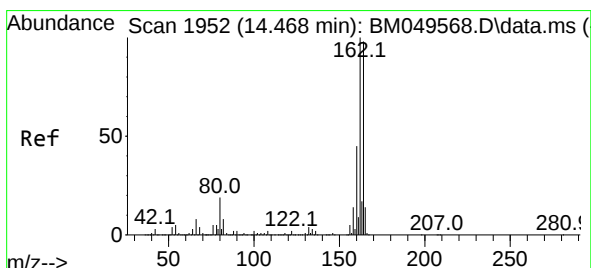
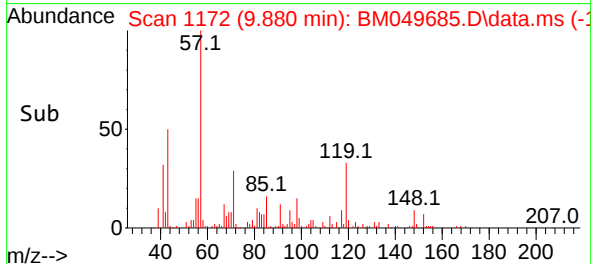
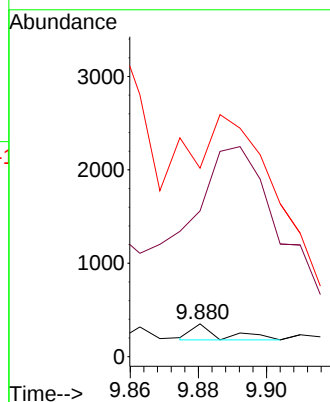
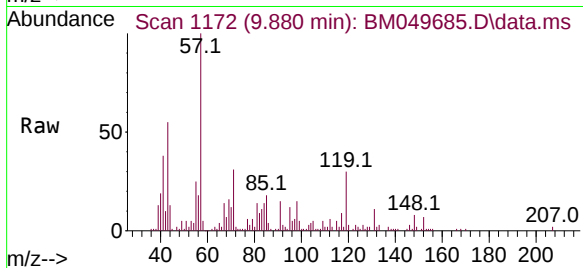
Tgt Ion:122 Resp: 107

Ion Ratio Lower Upper

122 100

105 444.7 103.6 143.6#

77 574.9 82.4 122.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.024 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

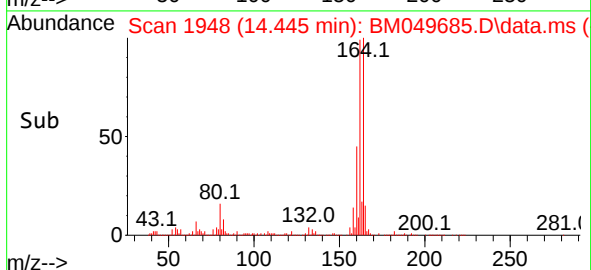
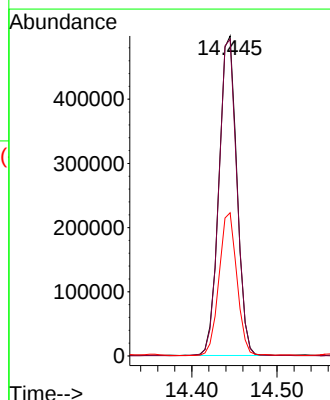
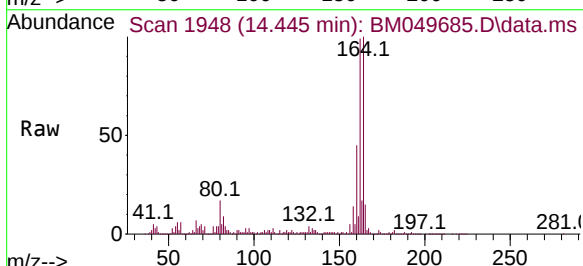
Tgt Ion:164 Resp: 727209

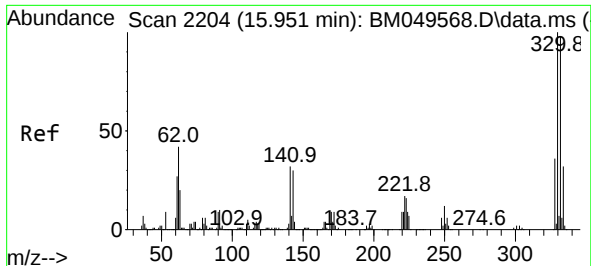
Ion Ratio Lower Upper

164 100

162 99.0 81.4 122.0

160 44.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 16.606 ng

RT: 15.927 min Scan# 21

Delta R.T. -0.024 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

Instrument :

BNA_M

ClientSampleId :

HR-0-02272025

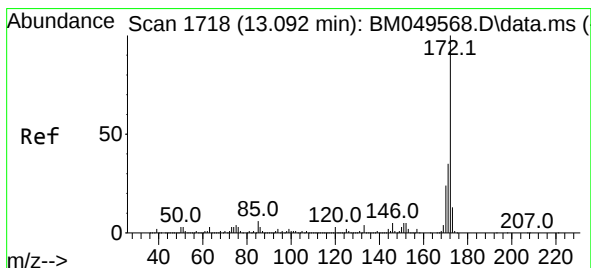
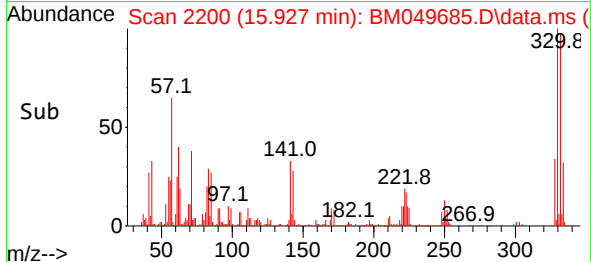
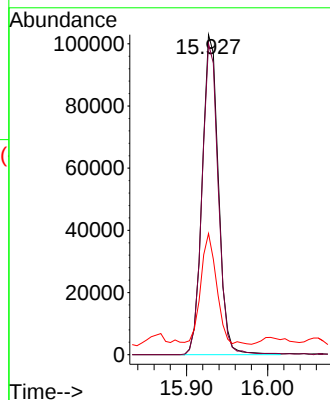
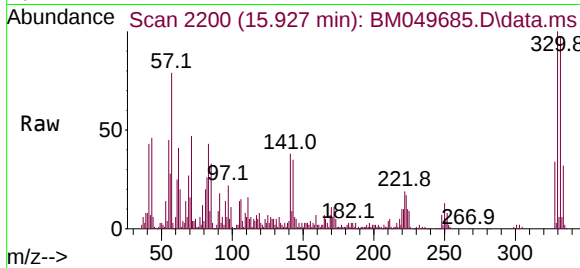
Tgt Ion:330 Resp: 143088

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 33.9 28.2 42.2



#45

2-Fluorobiphenyl

Concen: 10.469 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.029 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

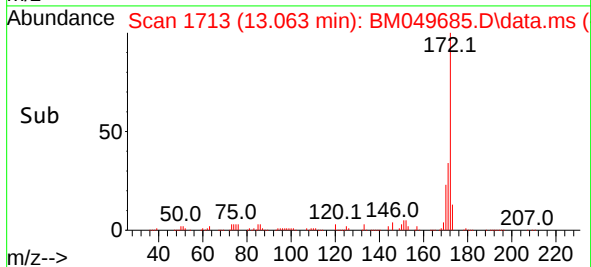
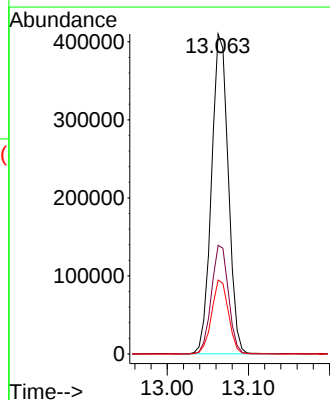
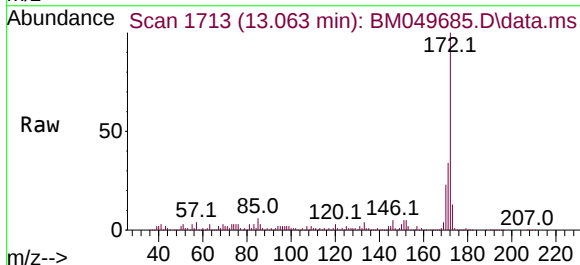
Tgt Ion:172 Resp: 587687

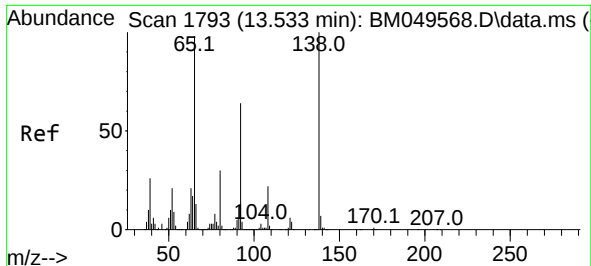
Ion Ratio Lower Upper

172 100

171 33.9 28.0 42.0

170 23.1 19.0 28.4

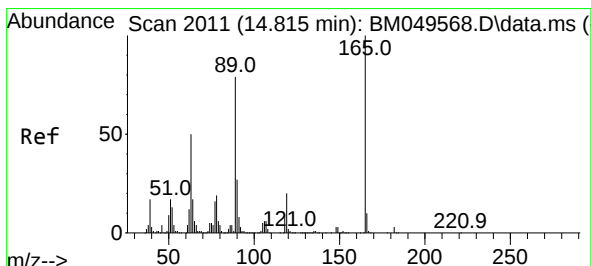
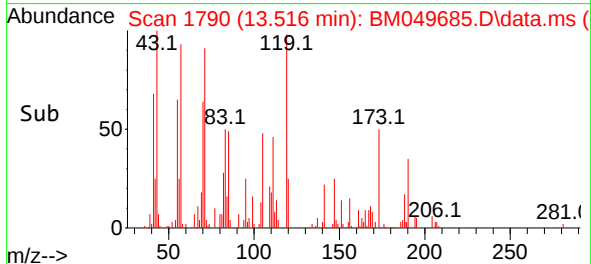
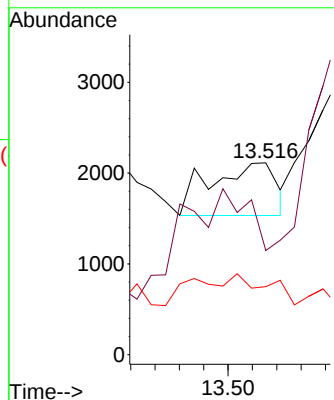
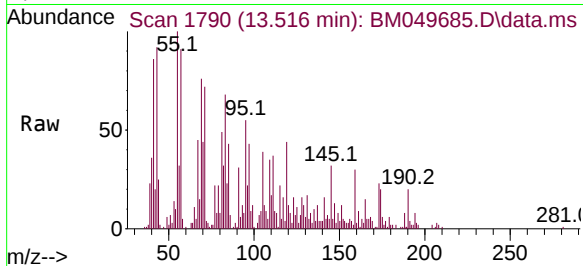




#48
2-Nitroaniline
Concen: 4.214 ng
RT: 13.516 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

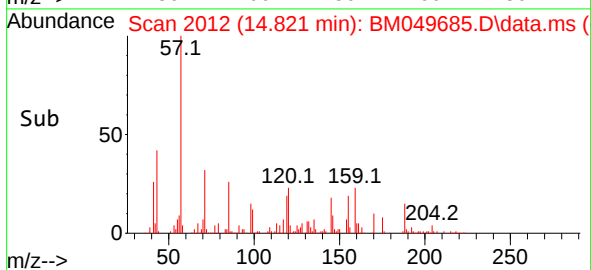
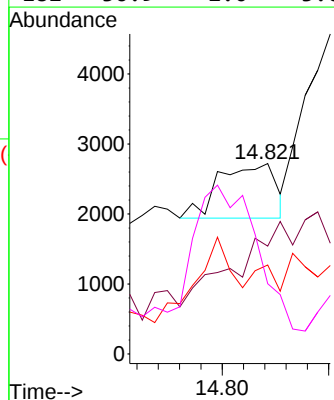
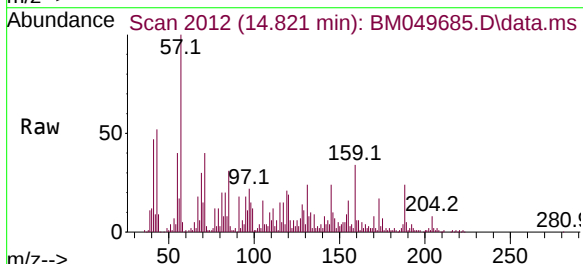
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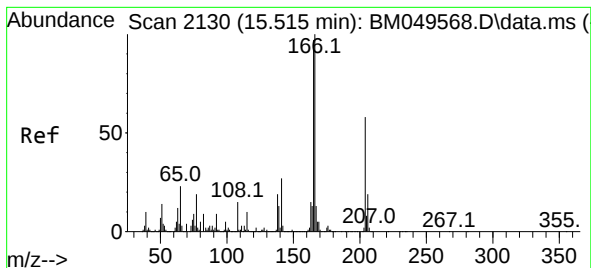
Tgt Ion: 65 Resp: 1079
Ion Ratio Lower Upper
65 100
92 54.3 52.0 78.0
138 35.4 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.694 ng
RT: 14.821 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:165 Resp: 1432
Ion Ratio Lower Upper
165 100
63 56.6 39.8 59.6
89 46.7 63.5 95.3#
182 36.9 2.0 3.0#

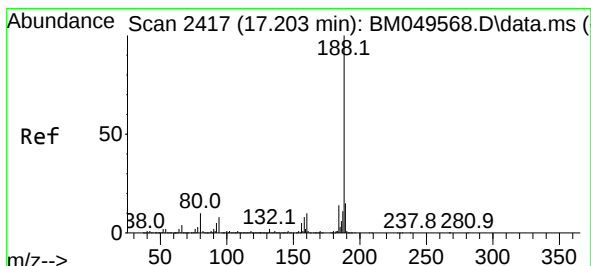
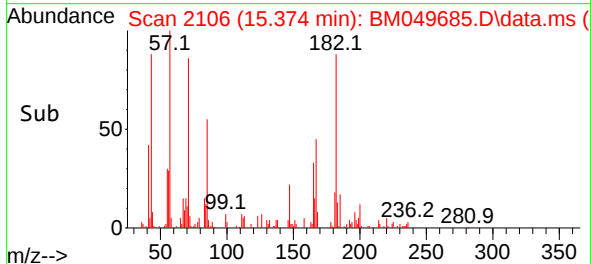
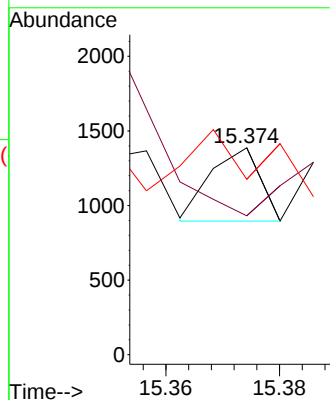
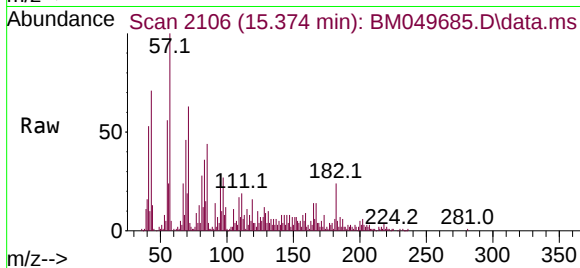




#62
4-Nitroaniline
Concen: 4.233 ng
RT: 15.374 min Scan# 2130
Delta R.T. -0.141 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

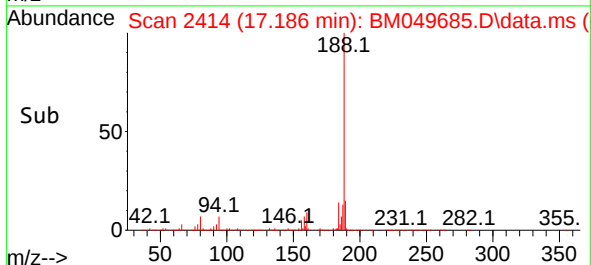
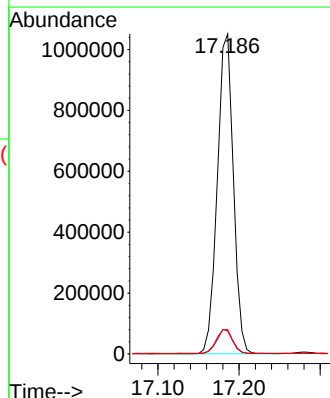
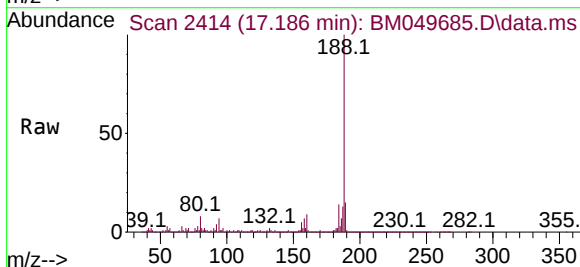
Instrument :
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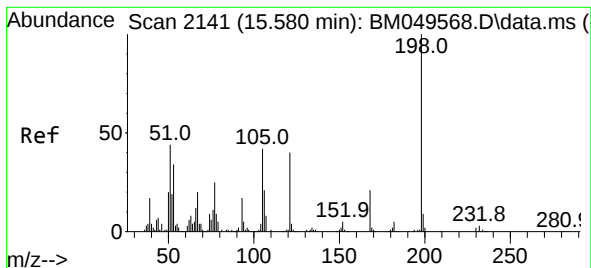
Tgt Ion:138 Resp: 298
Ion Ratio Lower Upper
138 100
92 67.1 29.3 69.3
108 84.8 60.1 100.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:188 Resp: 1445730
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 7.6 7.7 11.5#

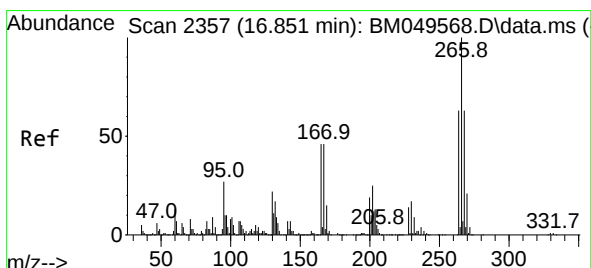
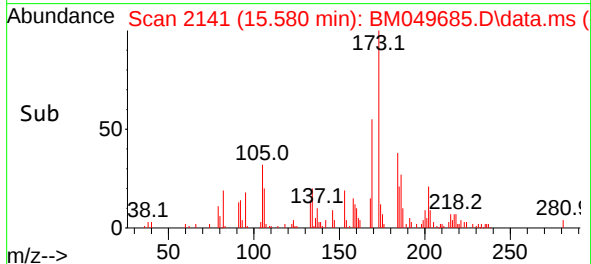
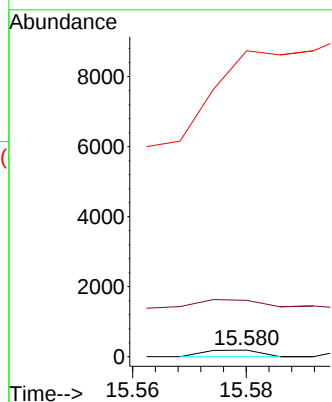
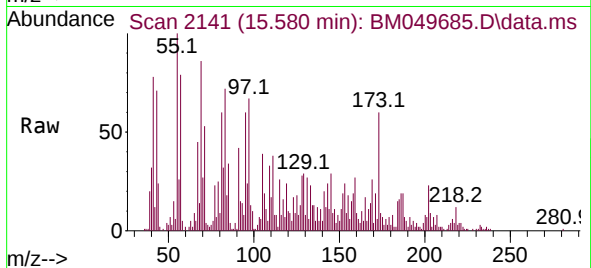




#65
4,6-Dinitro-2-methylphenol
Concen: 3.918 ng
RT: 15.580 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

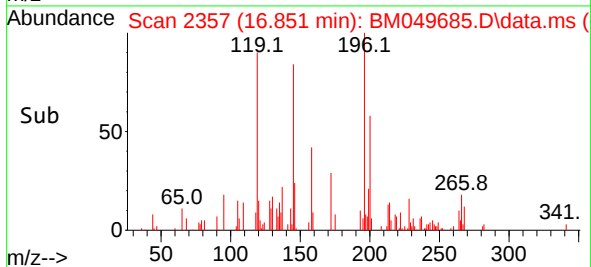
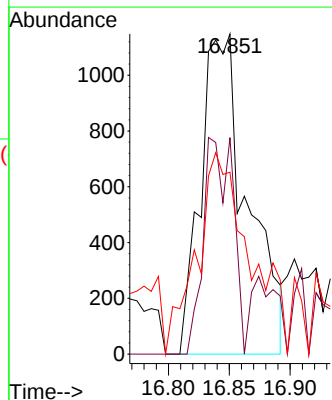
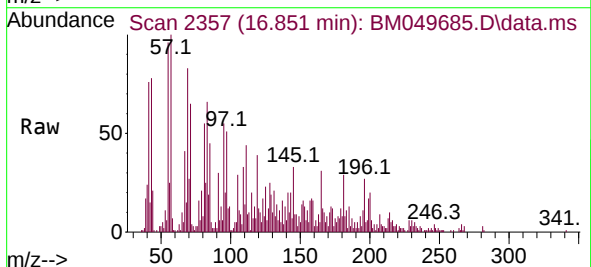
Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

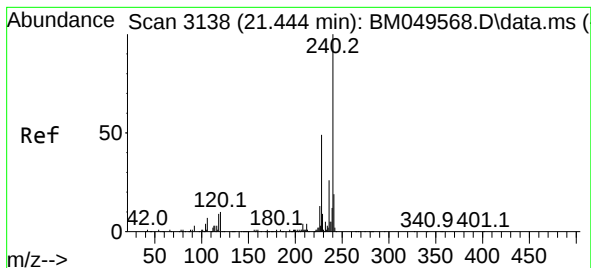
Tgt Ion:198 Resp: 129
Ion Ratio Lower Upper
198 100
51 855.3 26.9 66.9#
105 4648.4 22.8 62.8#



#70
Pentachlorophenol
Concen: 7.926 ng
RT: 16.851 min Scan# 2357
Delta R.T. 0.000 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:266 Resp: 3070
Ion Ratio Lower Upper
266 100
268 67.6 50.8 76.2
264 56.8 50.0 75.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 3138

Delta R.T. -0.024 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

Instrument :

BNA_M

ClientSampleId :

HR-0-02272025

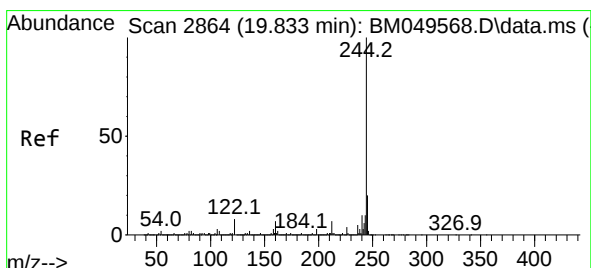
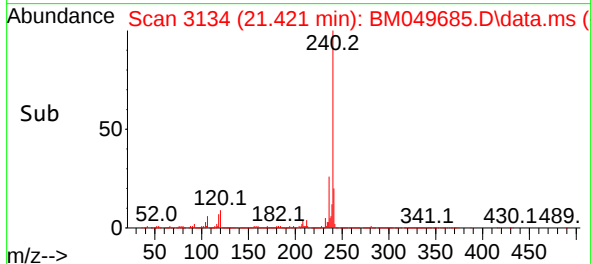
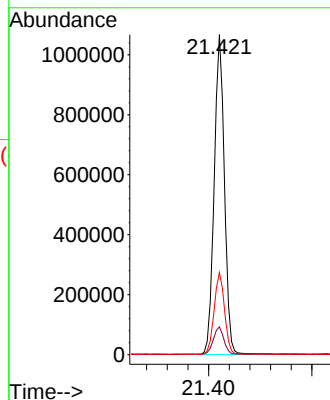
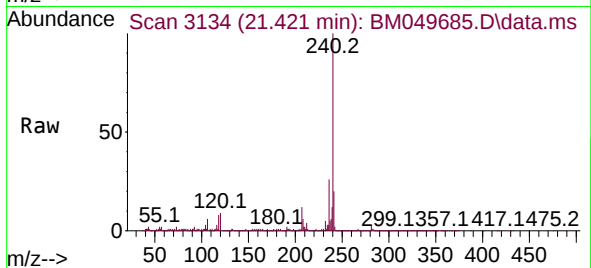
Tgt Ion:240 Resp: 1467642

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.8

236 25.7 20.6 31.0



#79

Terphenyl-d14

Concen: 9.289 ng

RT: 19.809 min Scan# 2860

Delta R.T. -0.024 min

Lab File: BM049685.D

Acq: 28 Feb 2025 19:13

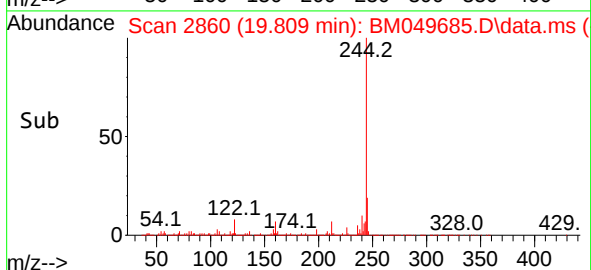
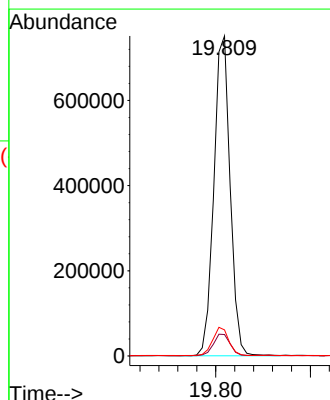
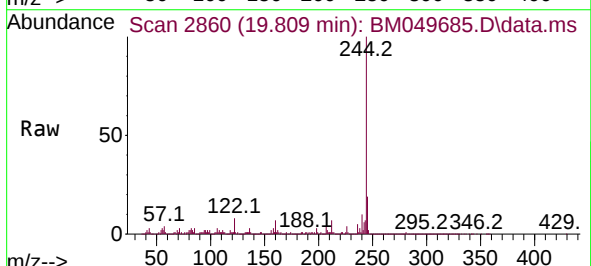
Tgt Ion:244 Resp: 892780

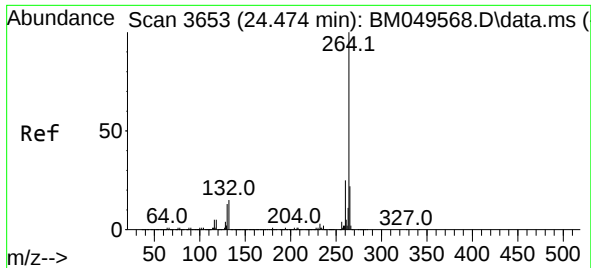
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 8.1 6.2 9.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 30
Delta R.T. -0.035 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion:264 Resp: 1607451

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	21.6	17.5	26.3

