

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020525\
 Data File : BM049573.D
 Acq On : 05 Feb 2025 17:41
 Operator : RC/JU
 Sample : PB166318TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 06 05:08:21 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)

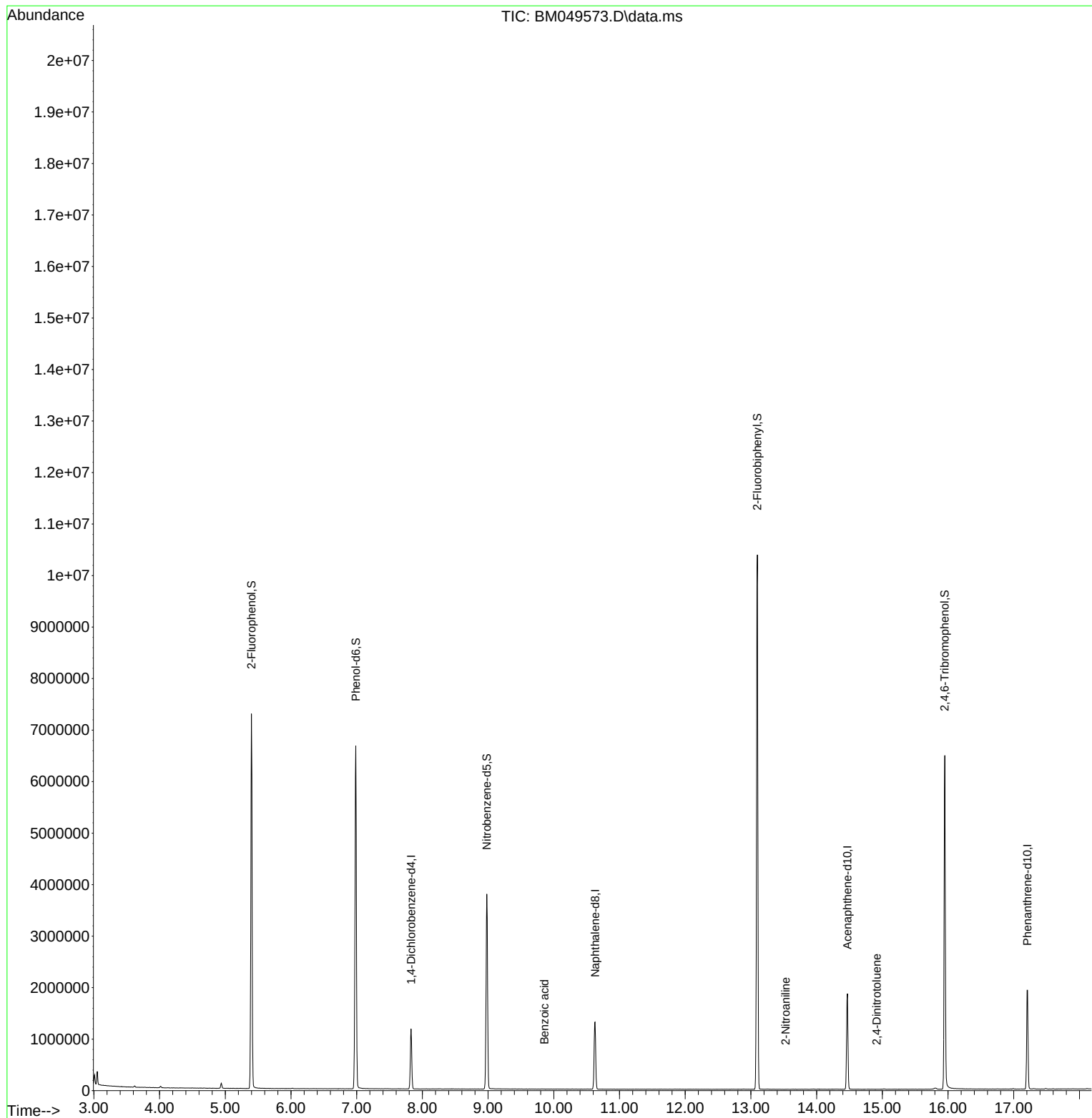
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	289805	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	1026269	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	604240	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1115078	20.000	ng	0.00
76) Chrysene-d12	21.444	240	786761	20.000	ng	0.00
86) Perylene-d12	24.480	264	655450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	2765502	153.454	ng	0.00
7) Phenol-d6	6.987	99	3393655	143.734	ng	0.00
23) Nitrobenzene-d5	8.981	82	2060956	103.297	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1081799	151.095	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	4975911	106.680	ng	0.00
79) Terphenyl-d14	19.839	244	7707245	149.591	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.857	122	54	4.923	ng	# 54
48) 2-Nitroaniline	13.527	65	66	4.134	ng	# 6
57) 2,4-Dinitrotoluene	14.915	165	61	2.569	ng	# 18
87) Indeno(1,2,3-cd)pyrene	27.903	276	93278	2.606	ng	# 86
91) Dibenzo(a,h)anthracene	27.973	278	76544	2.706	ng	94
92) Benzo(g,h,i)perylene	28.956	276	70413	2.228	ng	98

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

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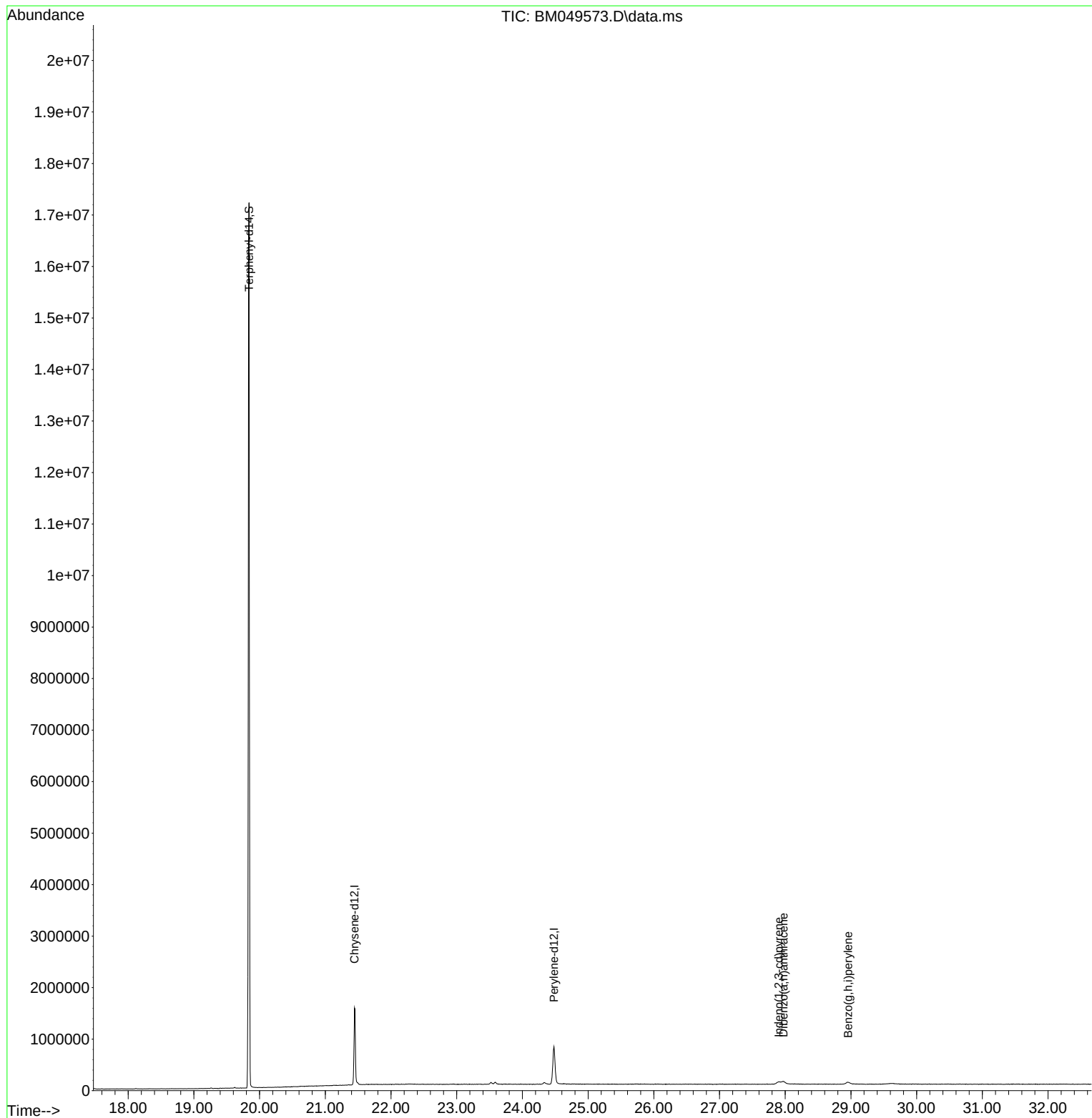
Quant Time: Feb 06 05:08:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

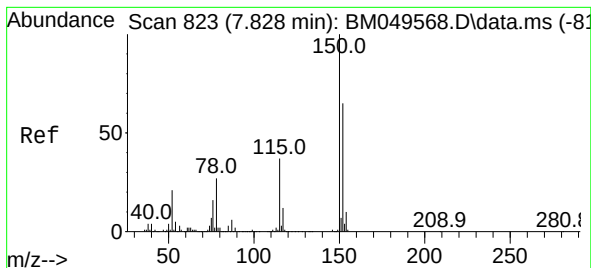


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020525\
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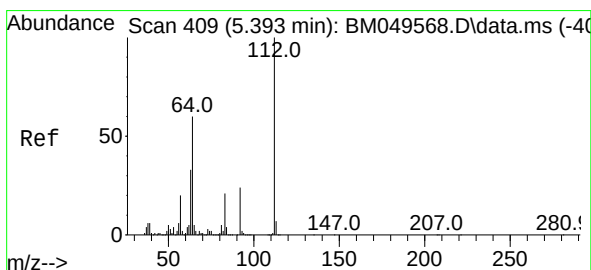
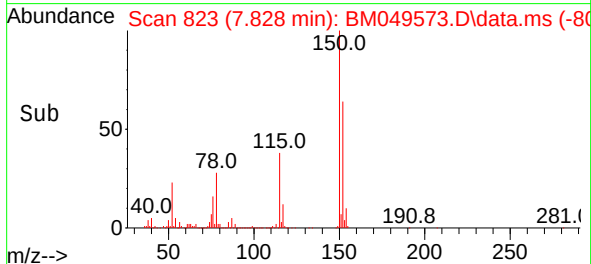
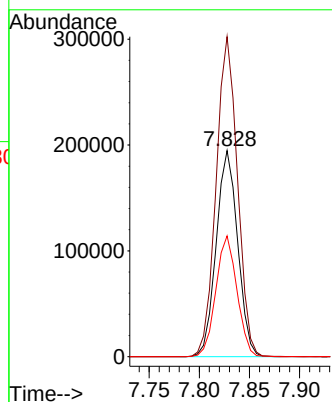
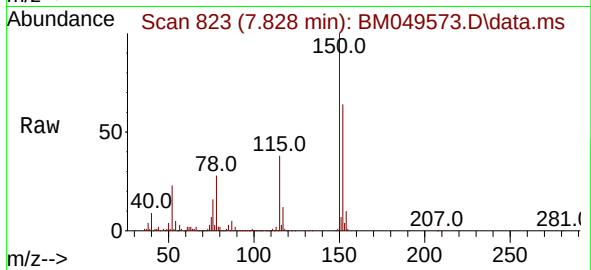




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

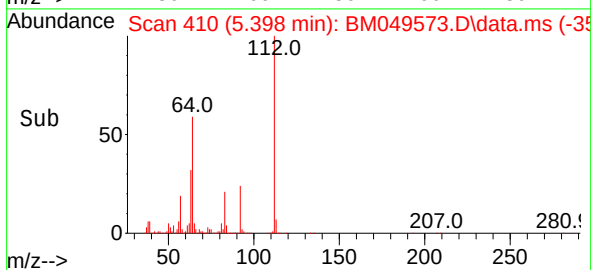
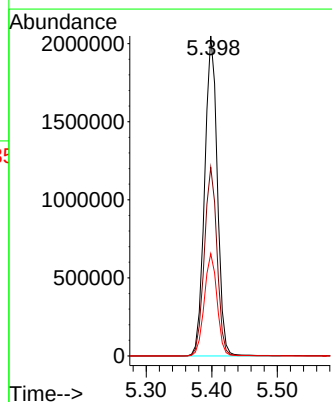
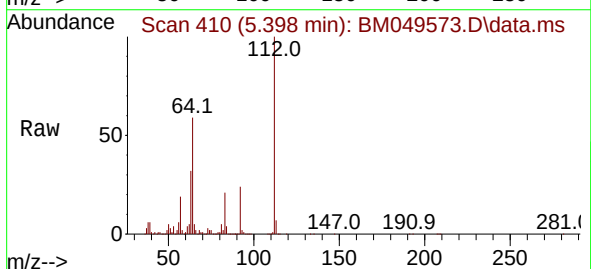
Instrument :
BNA_M
ClientSampleId :

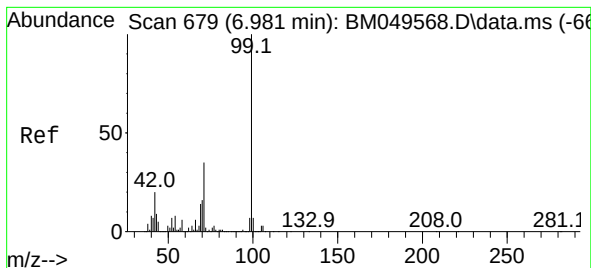
Tgt Ion:152 Resp: 289805
Ion Ratio Lower Upper
152 100
150 155.3 122.6 184.0
115 58.6 45.4 68.0



#5
2-Fluorophenol
Concen: 153.454 ng
RT: 5.398 min Scan# 410
Delta R.T. 0.006 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

Tgt Ion:112 Resp: 2765502
Ion Ratio Lower Upper
112 100
64 58.9 47.8 71.8
63 31.9 26.2 39.4

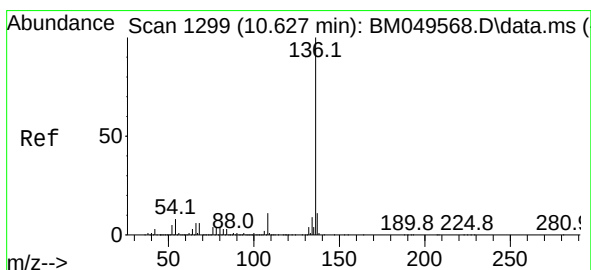
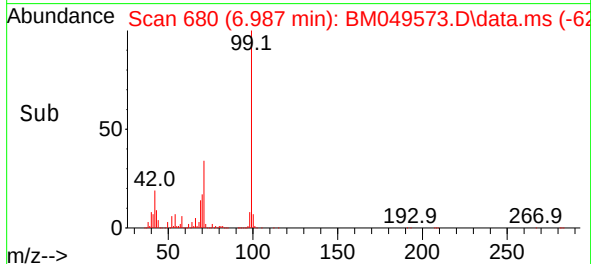
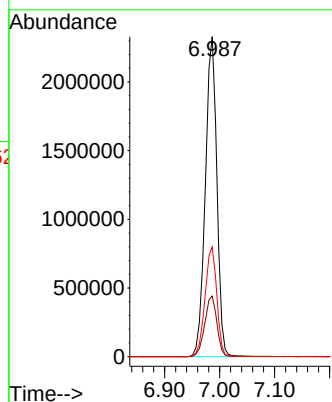
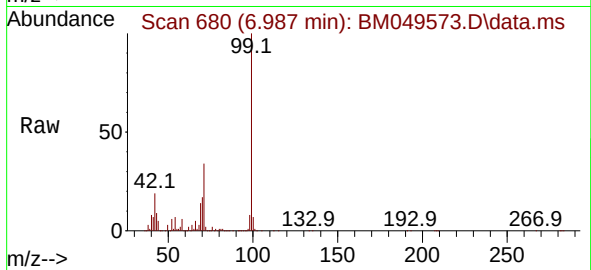




#7
Phenol-d6
Concen: 143.734 ng
RT: 6.987 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

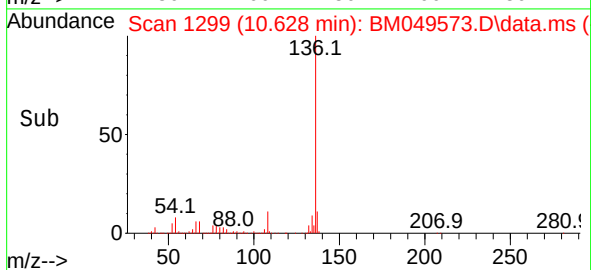
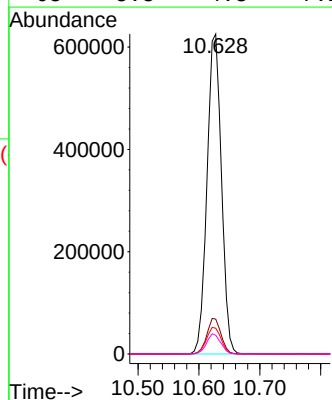
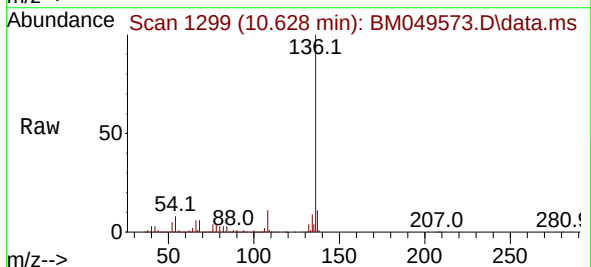
Instrument :
BNA_M
ClientSampleId :

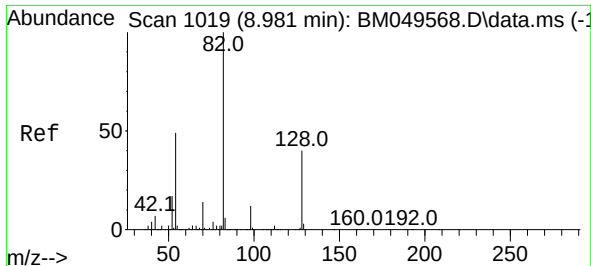
Tgt Ion: 99 Resp: 3393655
Ion Ratio Lower Upper
99 100
42 19.0 16.0 24.0
71 34.3 27.8 41.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

Tgt Ion: 136 Resp: 1026269
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 6.6 10.0
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 103.297 ng

RT: 8.981 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

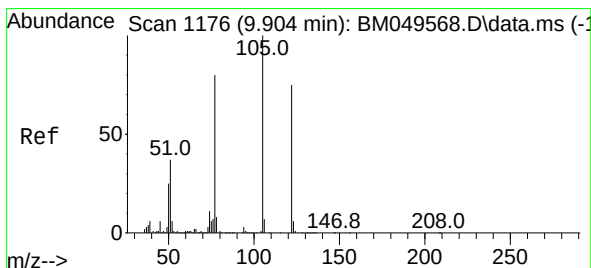
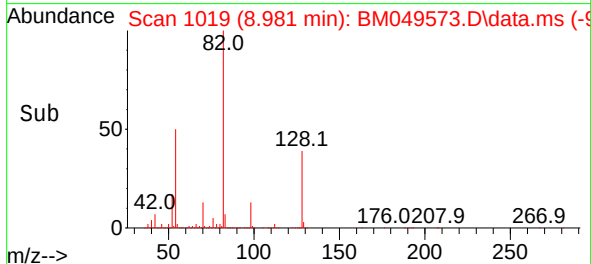
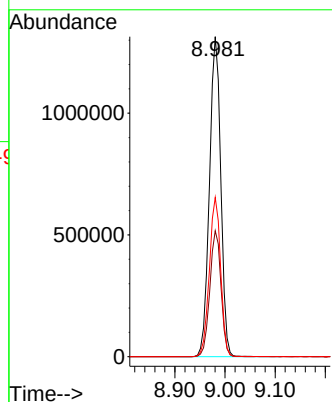
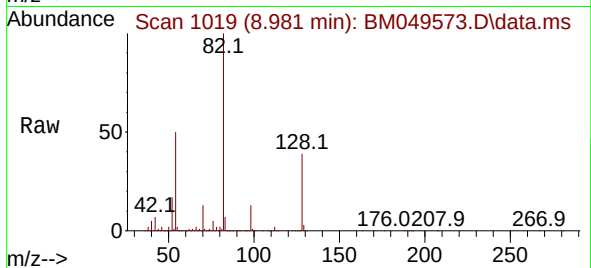
Instrument :

BNA_M

ClientSampleId :

Tgt Ion: 82 Resp: 2060956

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.6	47.4
54	49.8	39.4	59.0



#32

Benzoic acid

Concen: 4.923 ng

RT: 9.857 min Scan# 1168

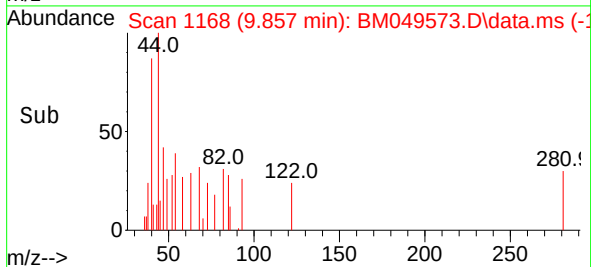
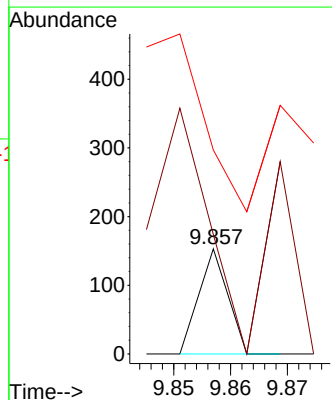
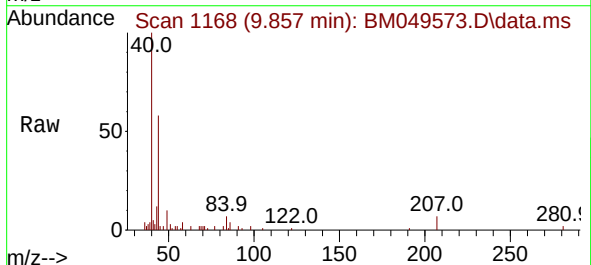
Delta R.T. -0.047 min

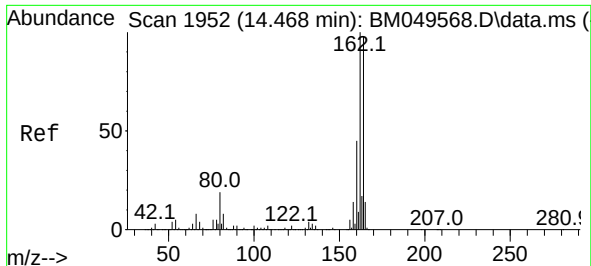
Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

Tgt Ion:122 Resp: 54

Ion	Ratio	Lower	Upper
122	100		
105	113.7	103.6	143.6
77	194.1	82.4	122.4#

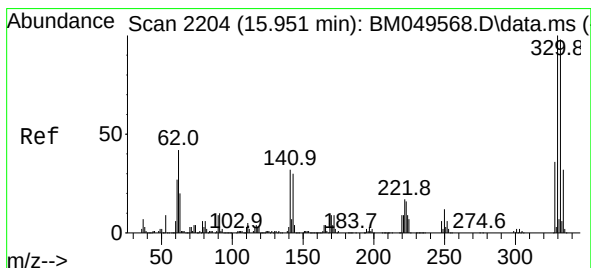
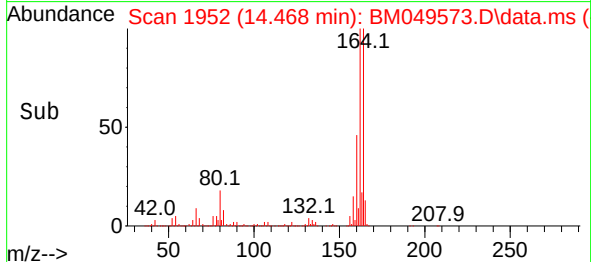
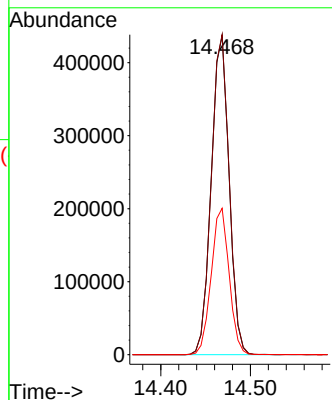
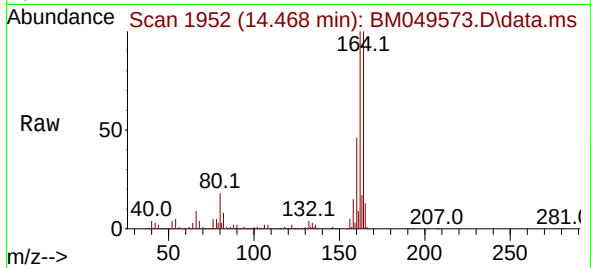




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

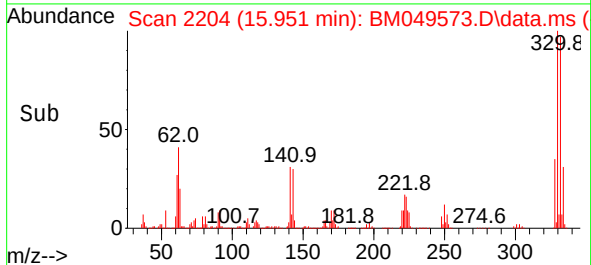
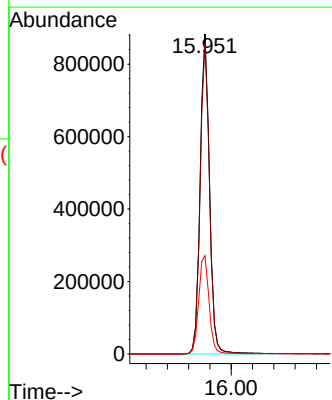
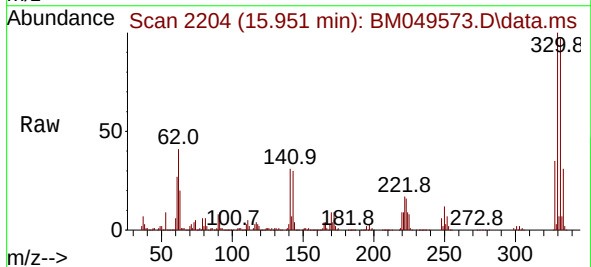
Instrument :
BNA_M
ClientSampleId :

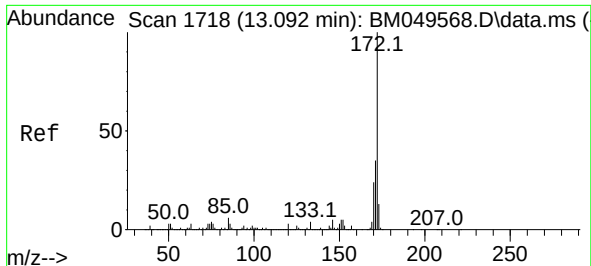
Tgt Ion:164 Resp: 604240
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 45.9 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 151.095 ng
RT: 15.951 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

Tgt Ion:330 Resp: 1081799
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 33.9 28.2 42.2





#45

2-Fluorobiphenyl

Concen: 106.680 ng

RT: 13.098 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

Instrument :

BNA_M

ClientSampleId :

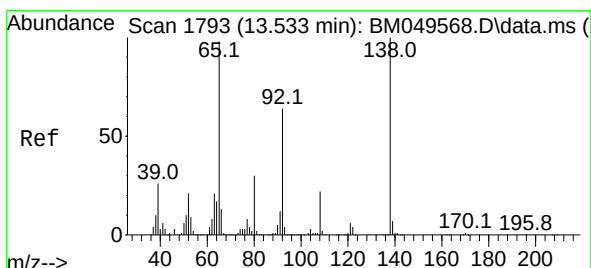
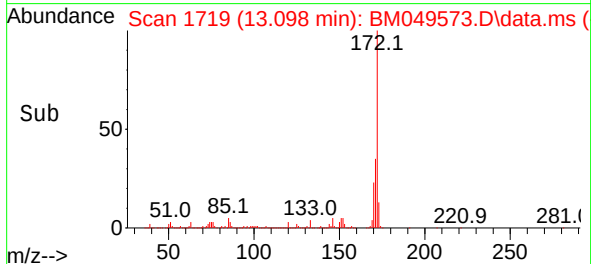
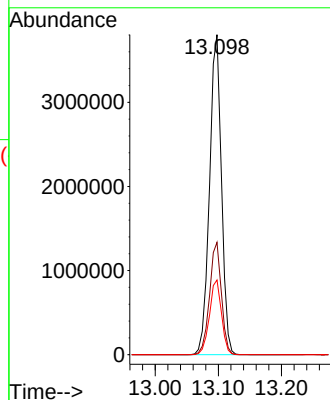
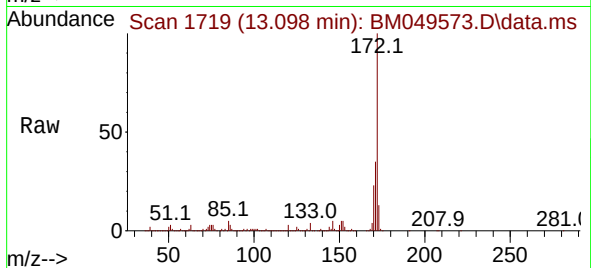
Tgt Ion:172 Resp: 4975911

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.4 19.0 28.4



#48

2-Nitroaniline

Concen: 4.134 ng

RT: 13.527 min Scan# 1792

Delta R.T. -0.006 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

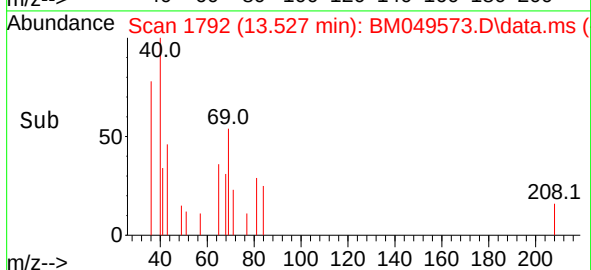
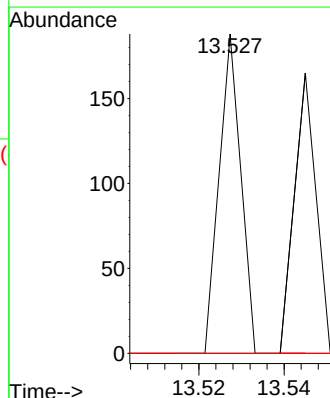
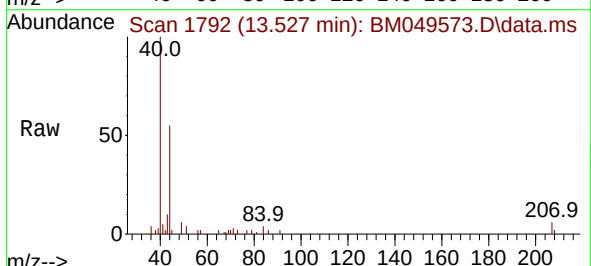
Tgt Ion: 65 Resp: 66

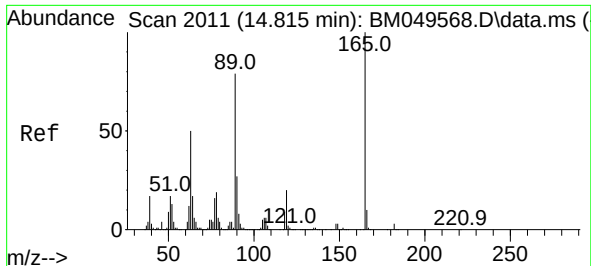
Ion Ratio Lower Upper

65 100

92 0.0 52.0 78.0#

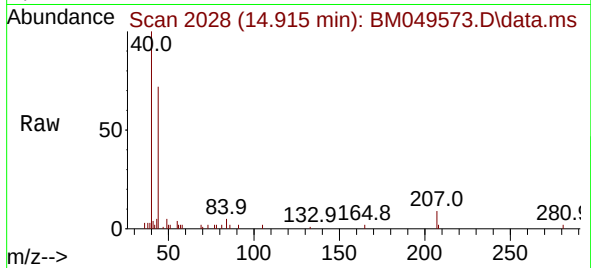
138 0.0 81.6 122.4#



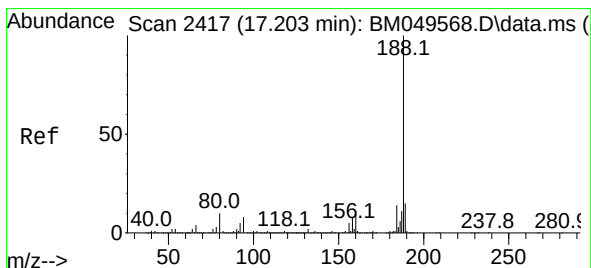
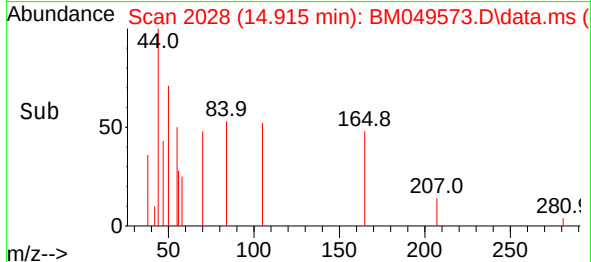
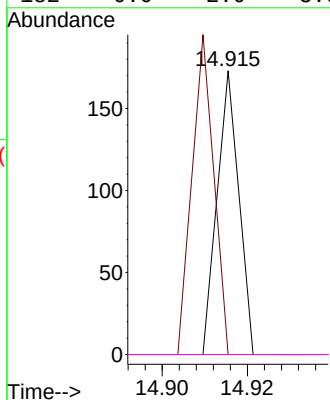


#57
2,4-Dinitrotoluene
Concen: 2.569 ng
RT: 14.915 min Scan# 2011
Delta R.T. 0.100 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

Instrument :
BNA_M
ClientSampleId :

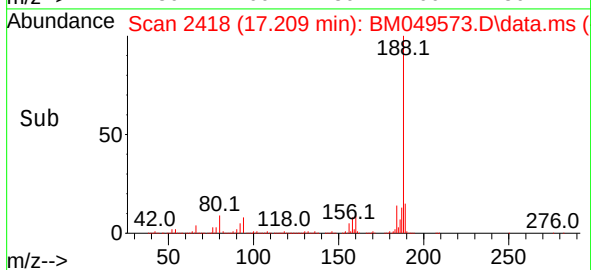
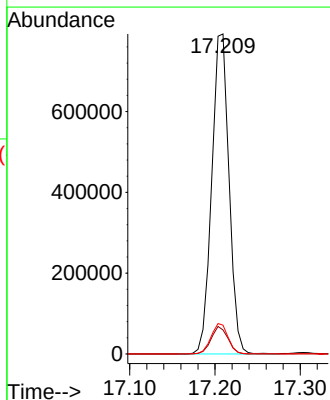
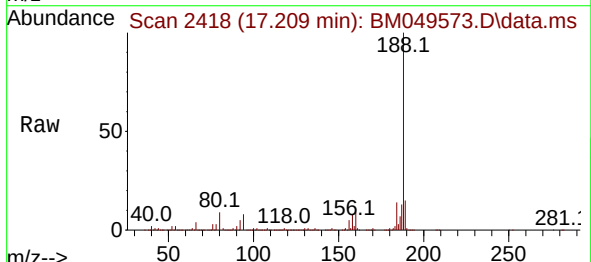


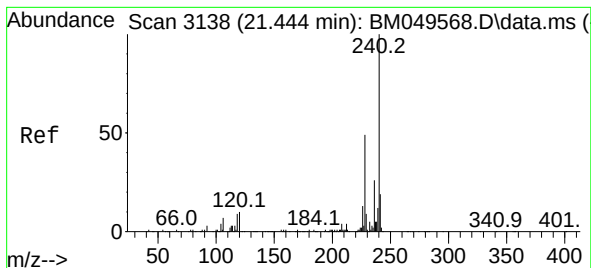
Tgt Ion:165 Resp: 61
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 63.5 95.3#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

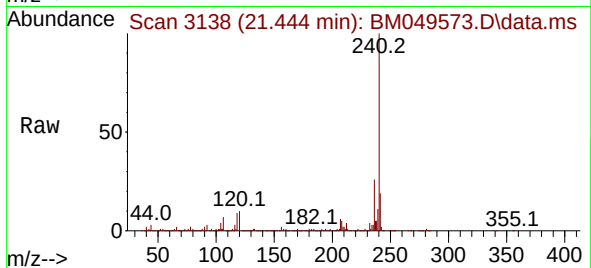
Tgt Ion:188 Resp: 1115078
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 9.0 7.7 11.5



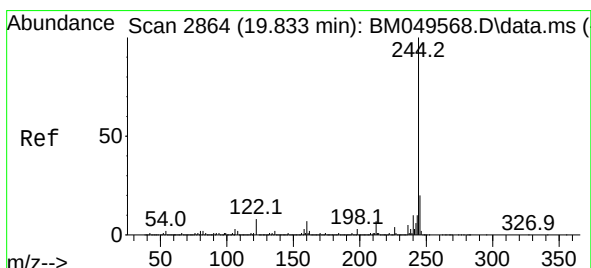
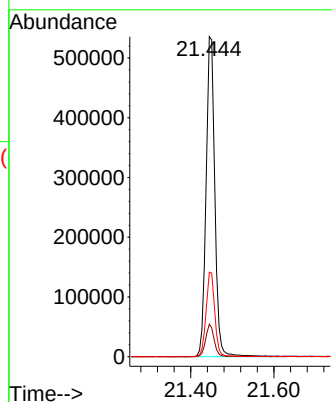
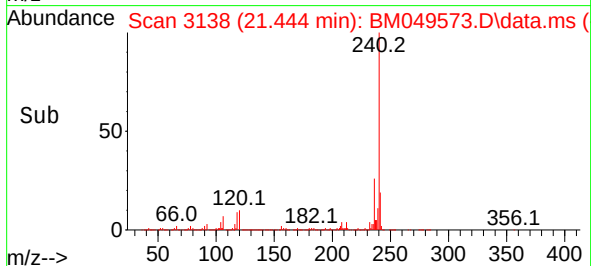


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41

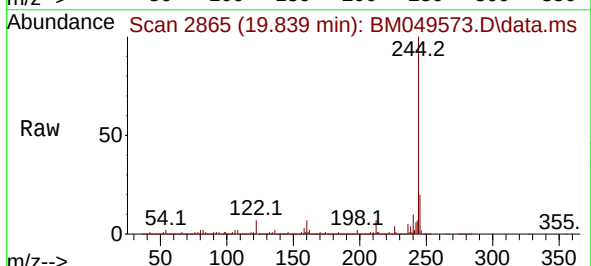
Instrument :
BNA_M
ClientSampleId :



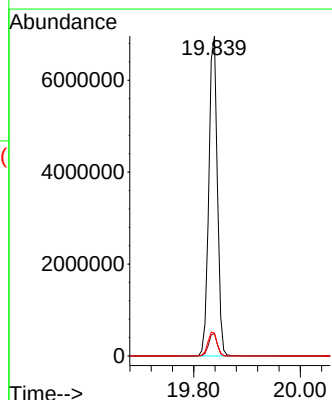
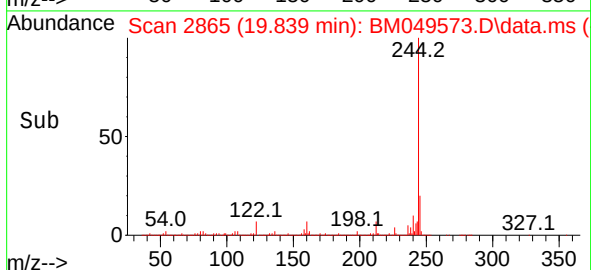
Tgt Ion:240 Resp: 786761
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.8
236 26.4 20.6 31.0

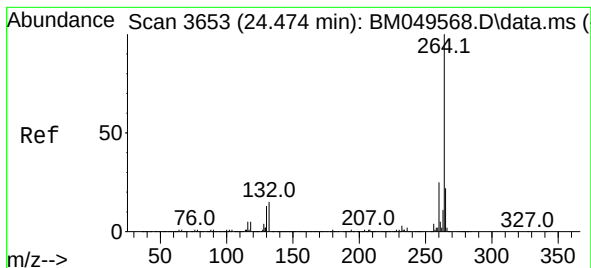


#79
Terphenyl-d14
Concen: 149.591 ng
RT: 19.839 min Scan# 2865
Delta R.T. 0.006 min
Lab File: BM049573.D
Acq: 05 Feb 2025 17:41



Tgt Ion:244 Resp: 7707245
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 7.2 6.2 9.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.480 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

Instrument :

BNA_M

ClientSampleId :

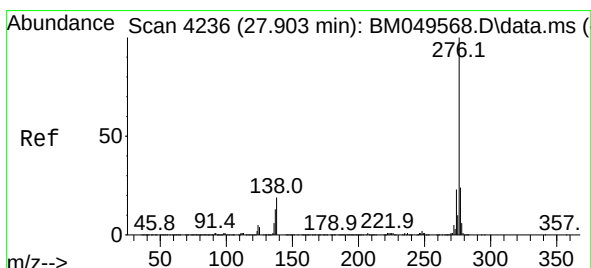
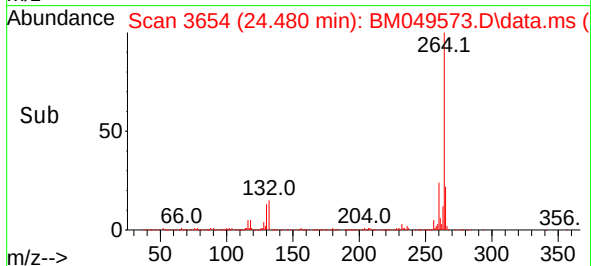
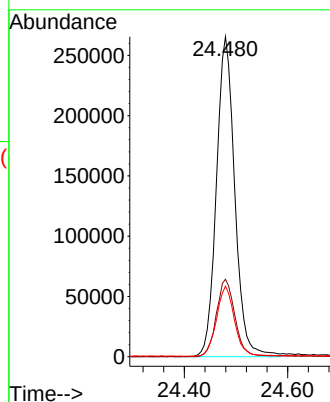
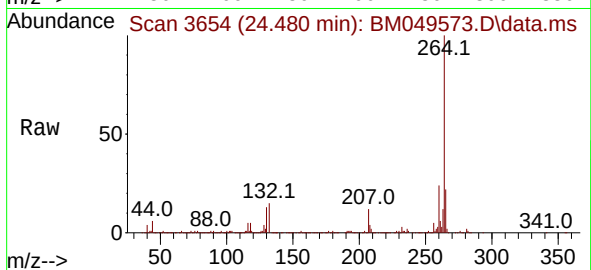
Tgt Ion:264 Resp: 655450

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 22.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.606 ng

RT: 27.903 min Scan# 4236

Delta R.T. 0.000 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

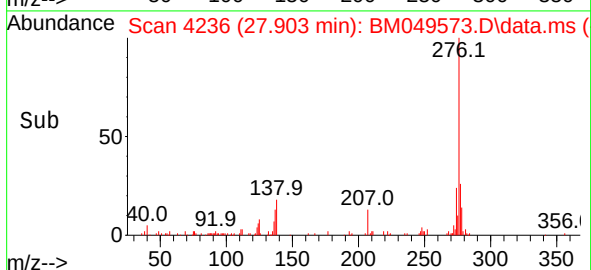
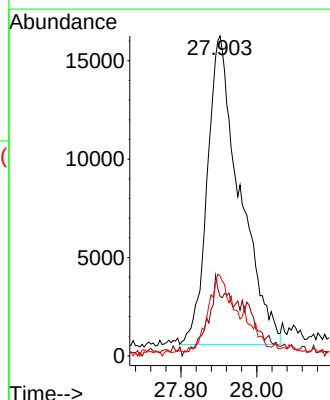
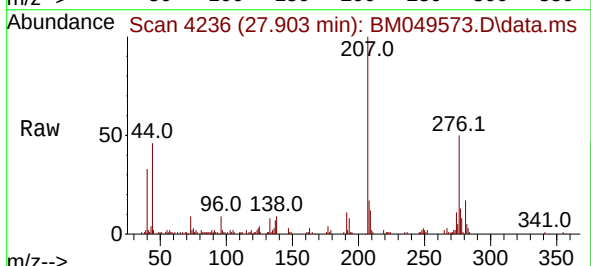
Tgt Ion:276 Resp: 93278

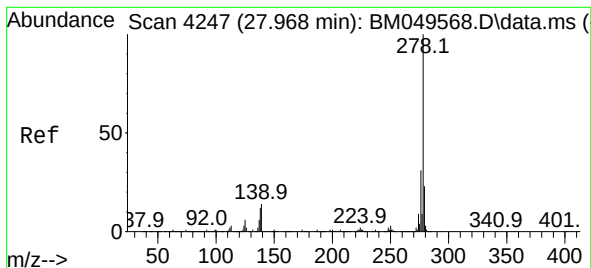
Ion Ratio Lower Upper

276 100

138 9.3 13.1 19.7#

277 18.4 19.9 29.9#





#91

Dibenzo(a,h)anthracene

Concen: 2.706 ng

RT: 27.973 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

Instrument :

BNA_M

ClientSampleId :

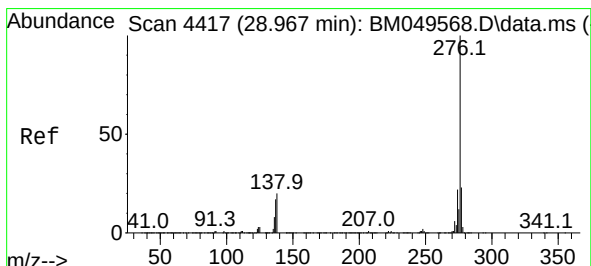
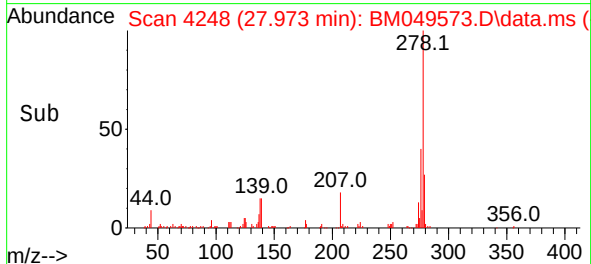
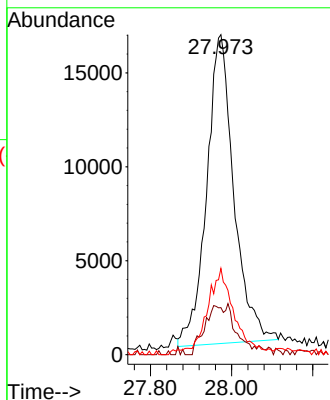
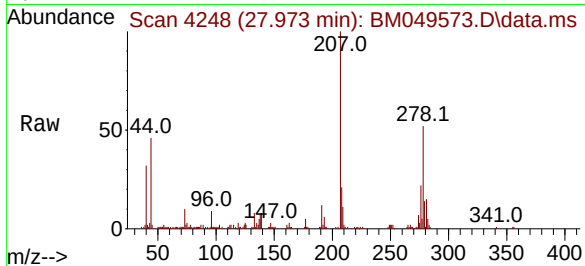
Tgt Ion:278 Resp: 76544

Ion Ratio Lower Upper

278 100

139 14.7 11.5 17.3

279 26.9 18.2 27.2



#92

Benzo(g,h,i)perylene

Concen: 2.228 ng

RT: 28.956 min Scan# 4415

Delta R.T. -0.012 min

Lab File: BM049573.D

Acq: 05 Feb 2025 17:41

Tgt Ion:276 Resp: 70413

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 19.5 16.0 24.0

