

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
 Data File : BM049787.D
 Acq On : 02 Apr 2025 12:49
 Operator : RC/JU
 Sample : Q1679-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-10

Quant Time: Apr 02 13:33:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

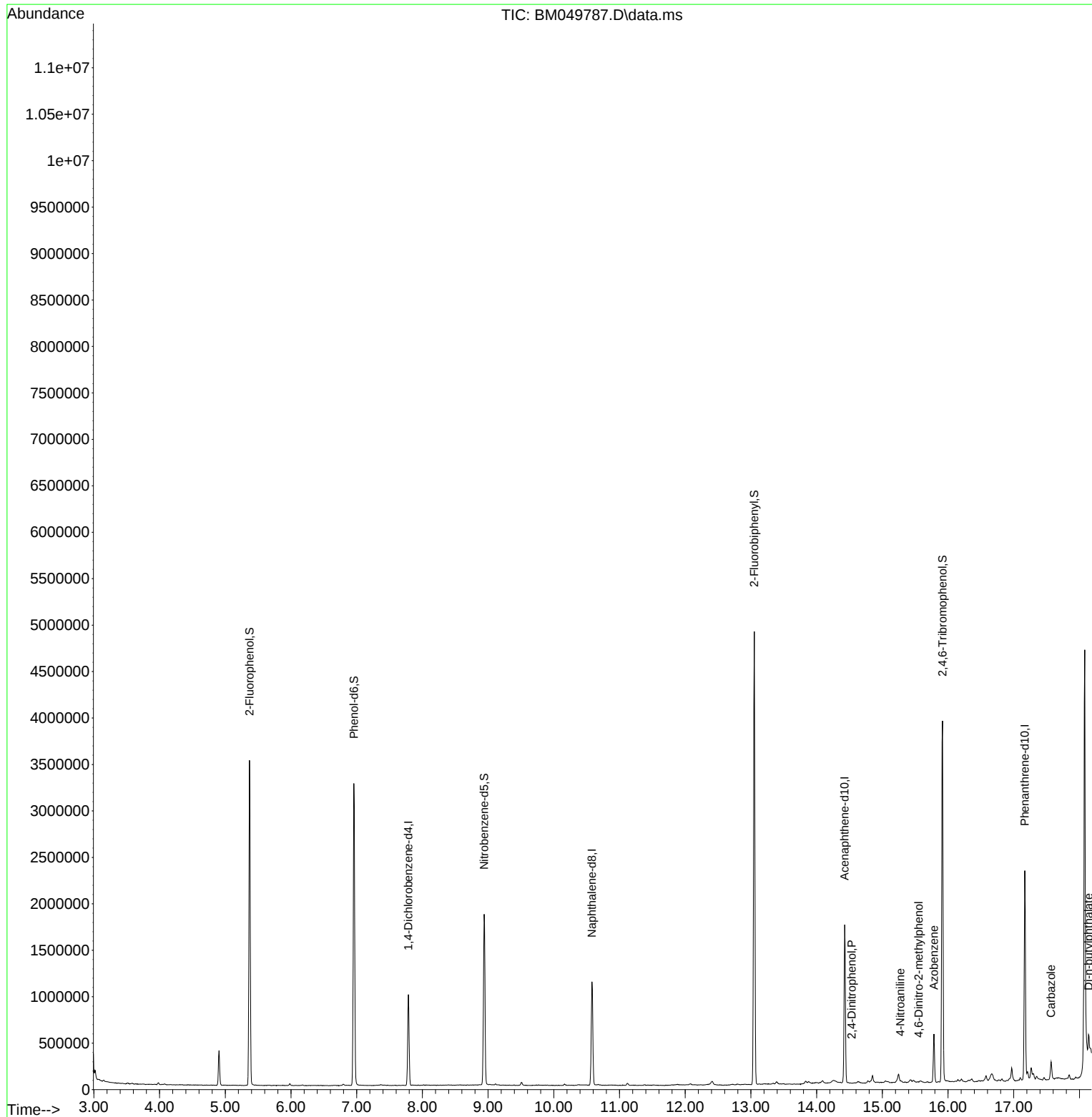
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	260998	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	891000	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	573758	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1252828	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1706504	20.000	ng	-0.02
86) Perylene-d12	24.397	264	1701596	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1369023	88.506	ng	-0.02
7) Phenol-d6	6.957	99	1698777	87.513	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1025913	59.116	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	669749	99.966	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	2354930	51.403	ng	-0.02
79) Terphenyl-d14	19.792	244	3900016	38.511	ng	-0.02
Target Compounds						
54) 2,4-Dinitrophenol	14.533	184	153	3.232	ng	# 24
62) 4-Nitroaniline	15.274	138	334	3.792	ng	88
63) Azobenzene	15.786	77	138871	3.908	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.551	198	682	3.134	ng	# 1
73) Carbazole	17.568	167	131640	2.158	ng	99
74) Di-n-butylphthalate	18.139	149	176919	2.646	ng	# 97
75) Fluoranthene	19.227	202	204270	2.550	ng	99
80) Butylbenzylphthalate	20.486	149	106450	2.877	ng	92
81) Benzo(a)anthracene	21.386	228	350061	3.071	ng	99
83) Chrysene	21.444	228	355213	3.288	ng	100
84) Bis(2-ethylhexyl)phtha...	21.315	149	175807	3.049	ng	97
85) Di-n-octyl phthalate	22.450	149	201474	2.248	ng	# 80
88) Benzo(b)fluoranthene	23.450	252	314609	2.745	ng	# 98
89) Benzo(k)fluoranthene	23.509	252	328561	2.913	ng	99
90) Benzo(a)pyrene	24.256	252	208612	2.167	ng	98

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

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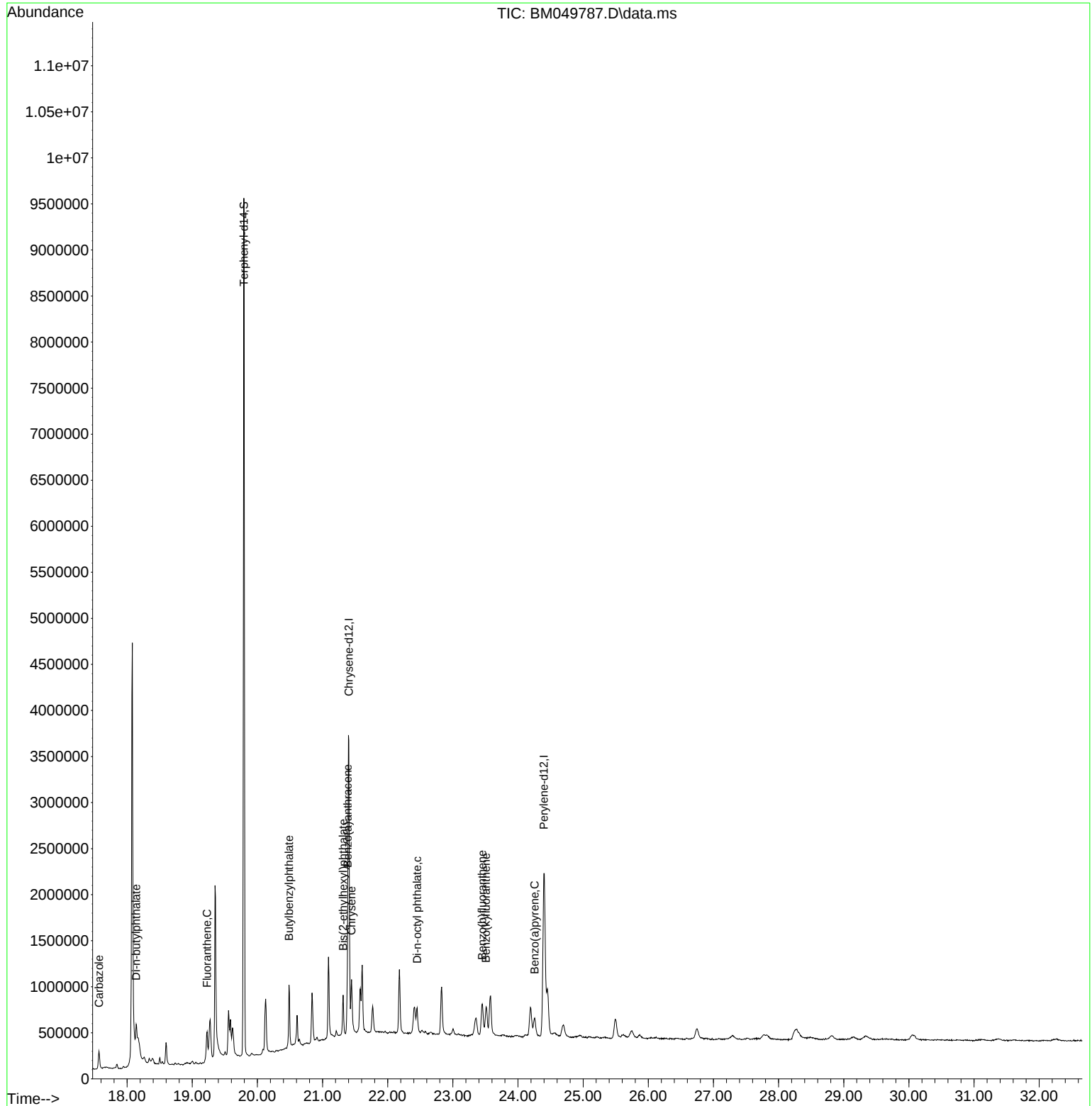
Quant Time: Apr 02 13:33:44 2025
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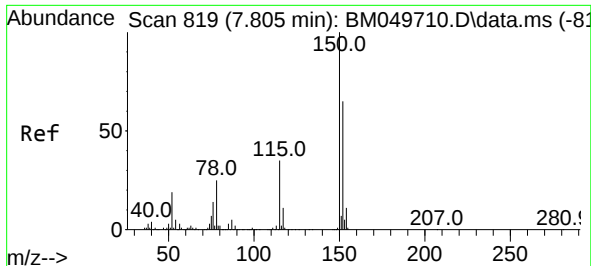


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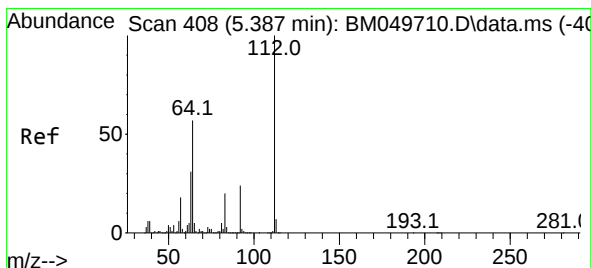
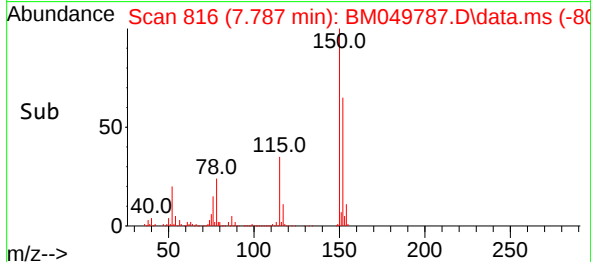
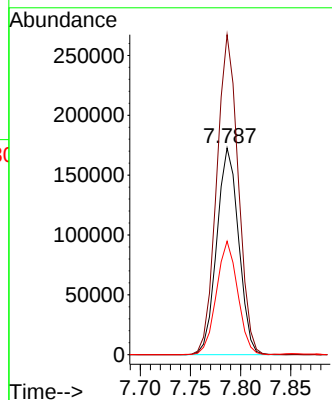
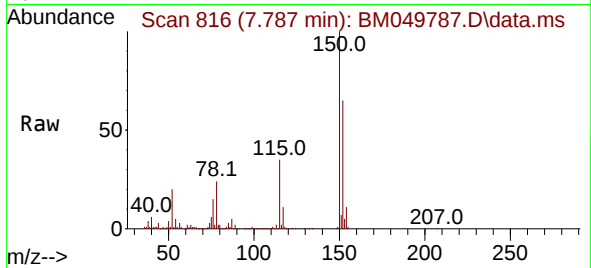




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

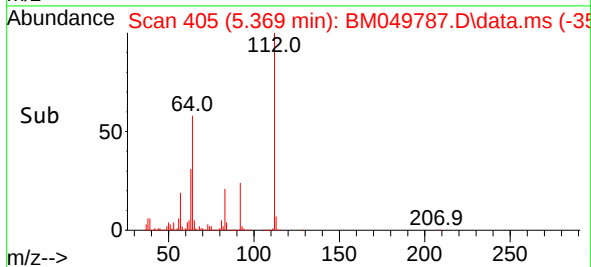
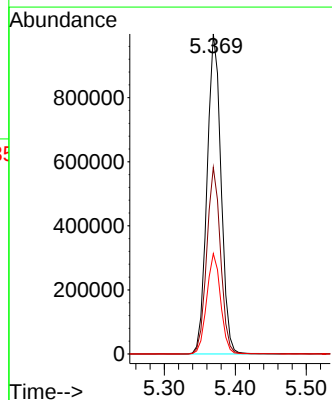
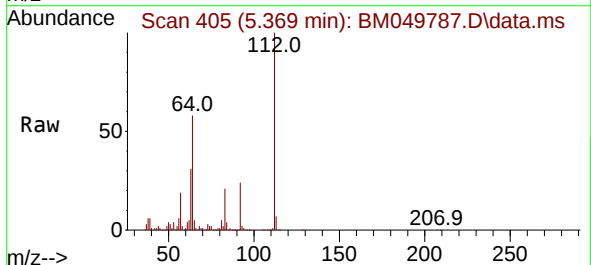
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BNA_M
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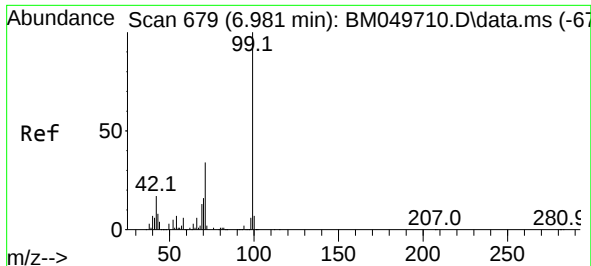
Tgt Ion:152 Resp: 260998
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 54.9 43.0 64.6



#5
2-Fluorophenol
Concen: 88.506 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:112 Resp: 1369023
Ion Ratio Lower Upper
112 100
64 58.3 45.3 67.9
63 31.4 24.4 36.6

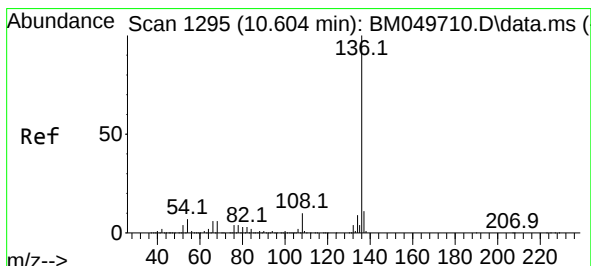
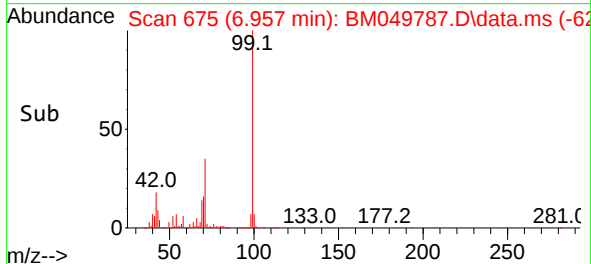
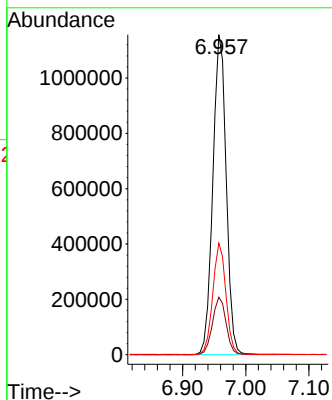
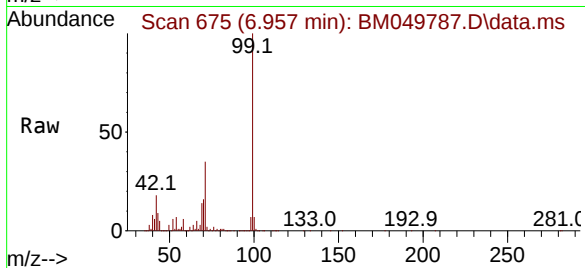




#7
Phenol-d6
Concen: 87.513 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

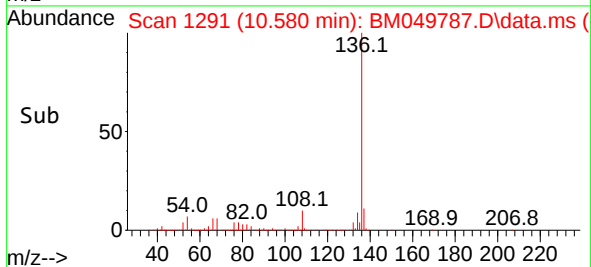
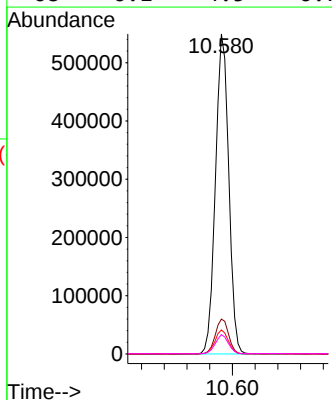
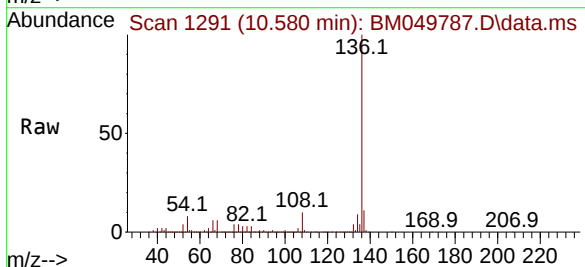
Instrument :
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ClientSampleId :
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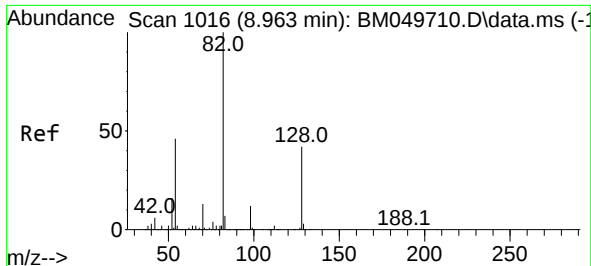
Tgt Ion: 99 Resp: 1698777
Ion Ratio Lower Upper
99 100
42 17.9 13.6 20.4
71 34.9 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion: 136 Resp: 891000
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.5 5.8 8.8
68 6.1 4.5 6.7

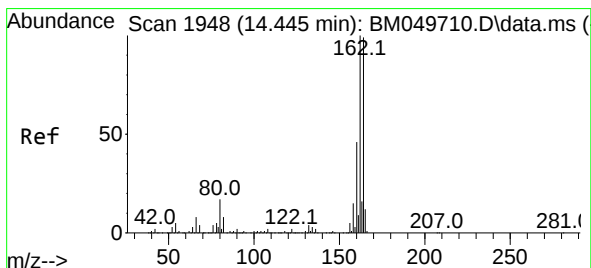
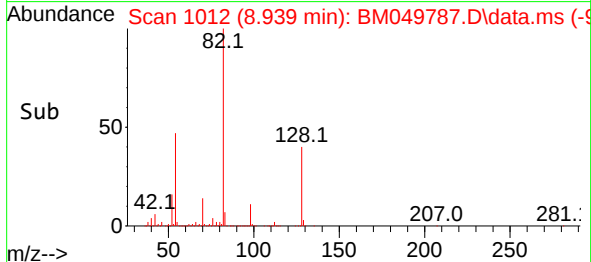
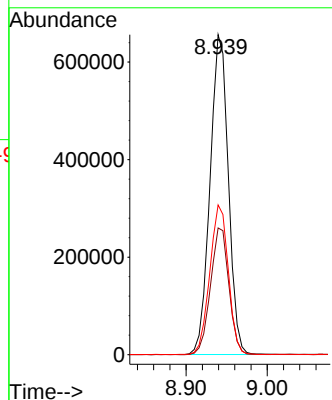
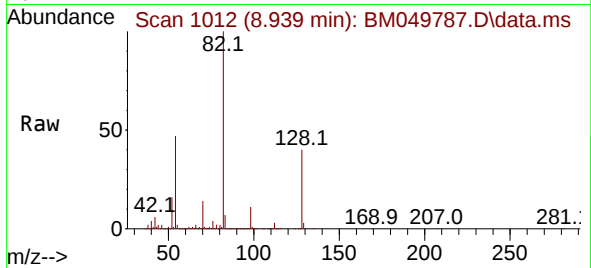




#23
Nitrobenzene-d5
Concen: 59.116 ng
RT: 8.939 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

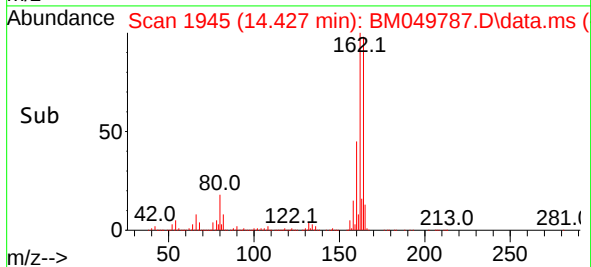
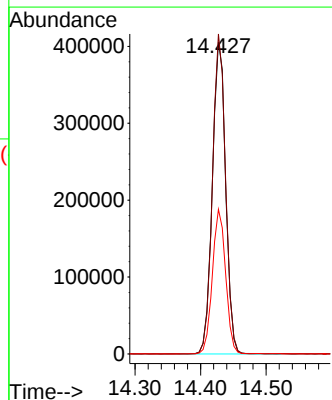
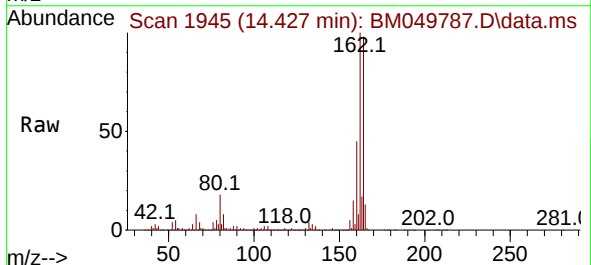
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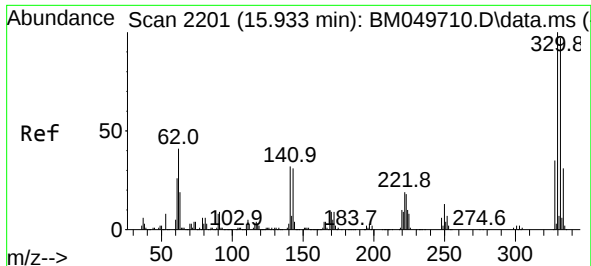
Tgt Ion: 82 Resp: 1025913
Ion Ratio Lower Upper
82 100
128 39.6 33.4 50.0
54 46.8 36.4 54.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion: 164 Resp: 573758
Ion Ratio Lower Upper
164 100
162 102.6 80.5 120.7
160 46.3 36.9 55.3

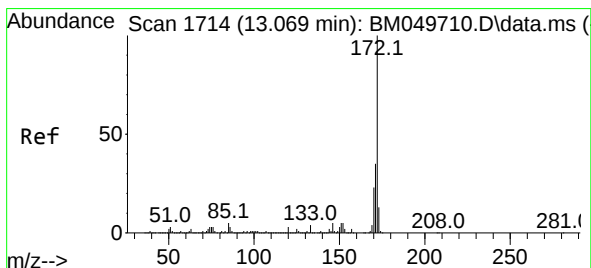
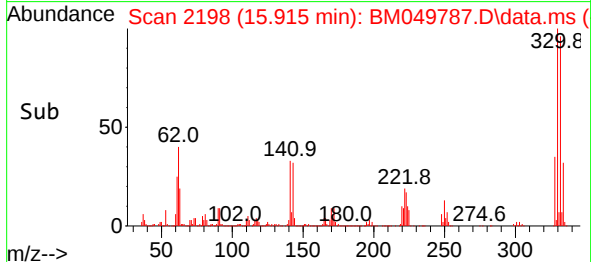
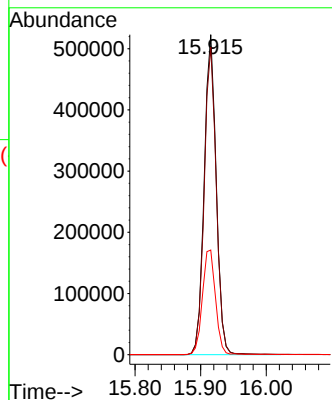
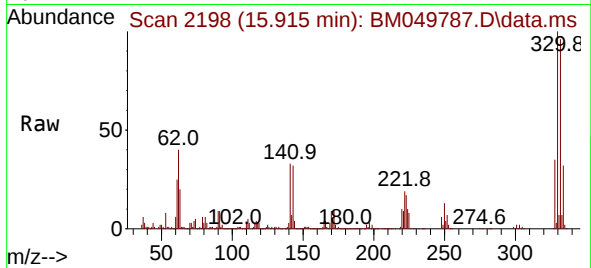




#42
2,4,6-Tribromophenol
Concen: 99.966 ng
RT: 15.915 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

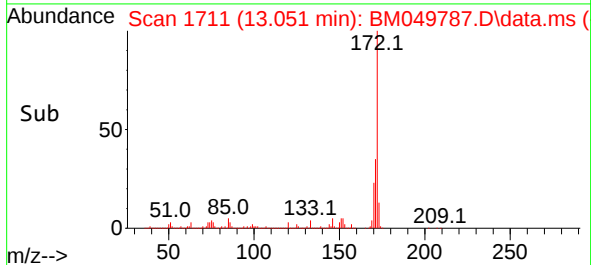
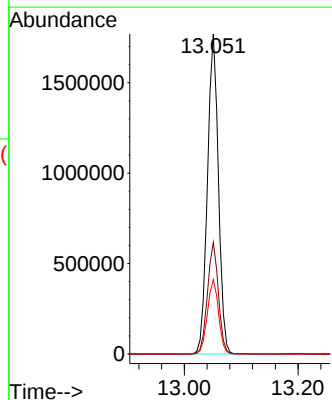
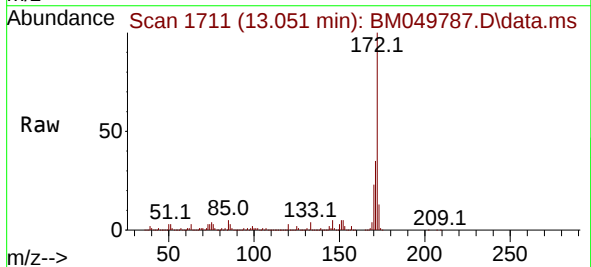
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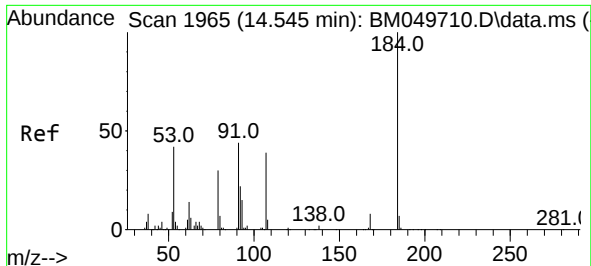
Tgt Ion:330 Resp: 669749
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 35.4 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 51.403 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:172 Resp: 2354930
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.2 18.6 28.0

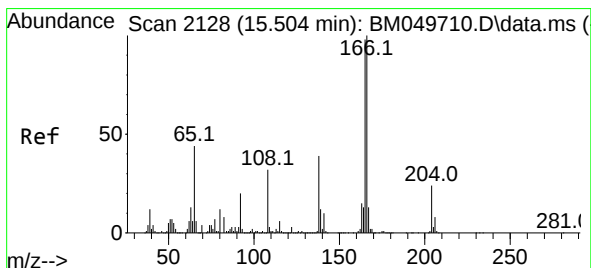
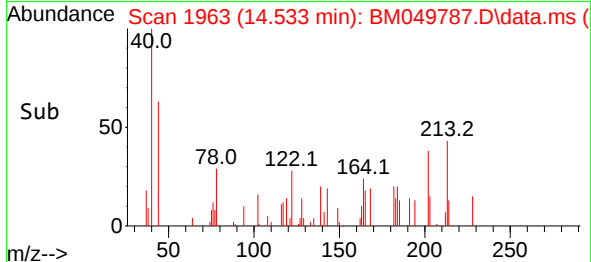
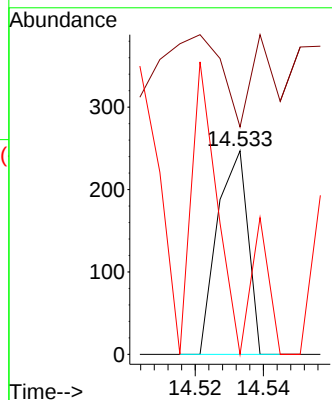
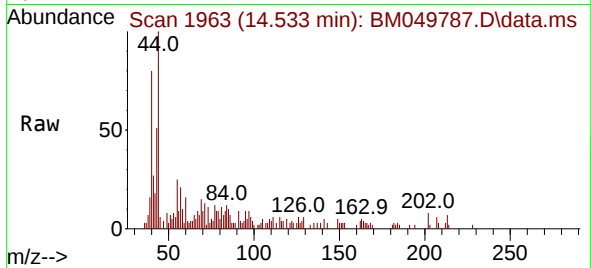




#54
2,4-Dinitrophenol
Concen: 3.232 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

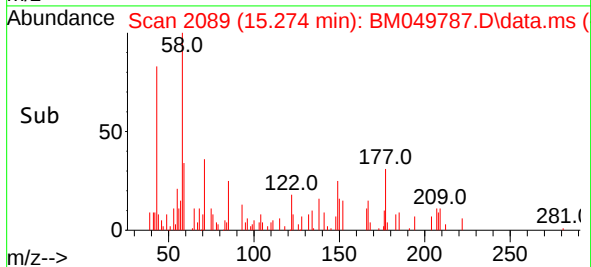
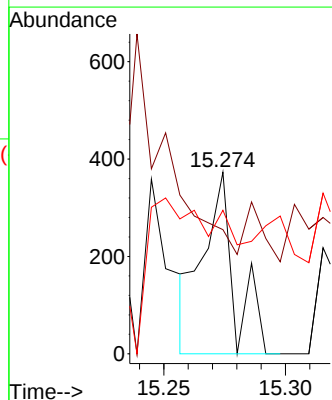
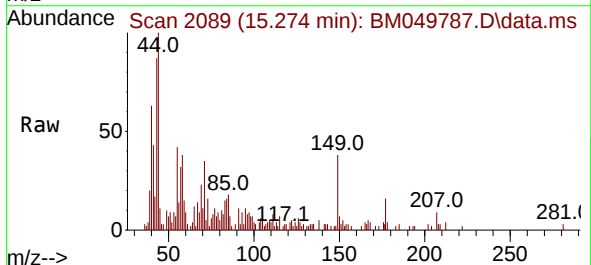
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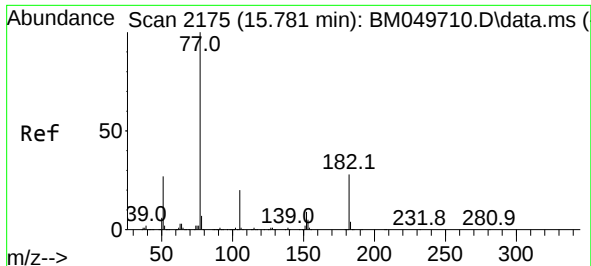
Tgt Ion:184 Resp: 153
Ion Ratio Lower Upper
184 100
63 111.7 47.2 70.8#
154 0.0 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.792 ng
RT: 15.274 min Scan# 2089
Delta R.T. -0.230 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:138 Resp: 334
Ion Ratio Lower Upper
138 100
92 68.4 29.8 69.8
108 79.1 61.3 101.3

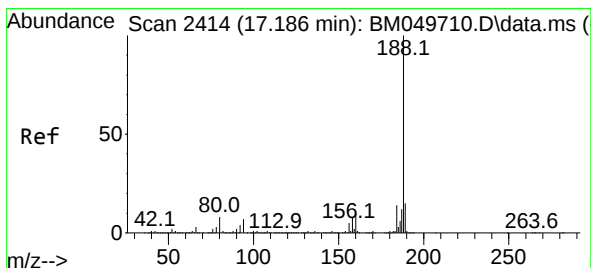
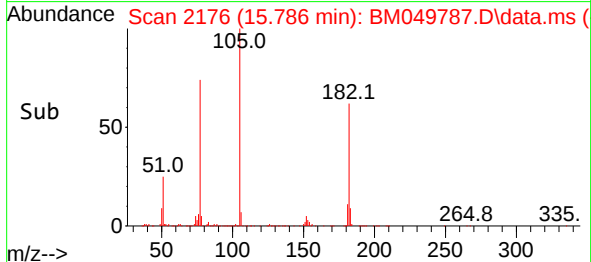
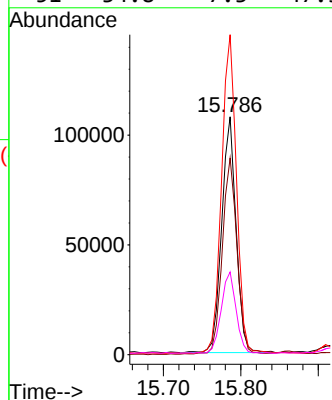
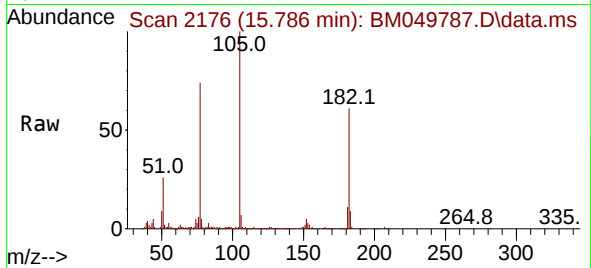




#63
Azobenzene
Concen: 3.908 ng
RT: 15.786 min Scan# 2175
Delta R.T. 0.005 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

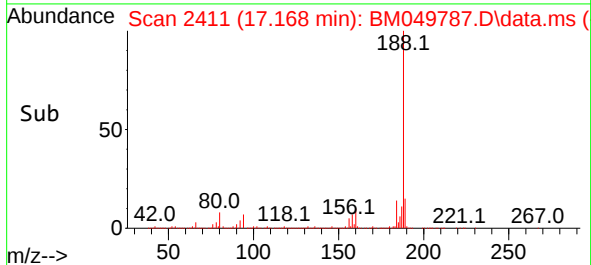
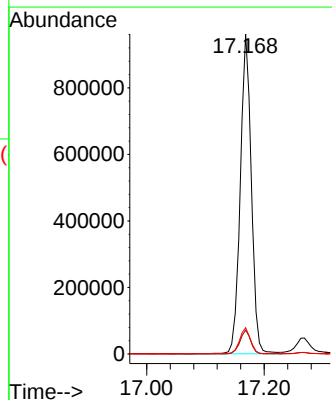
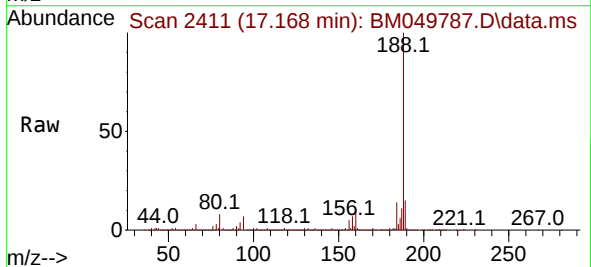
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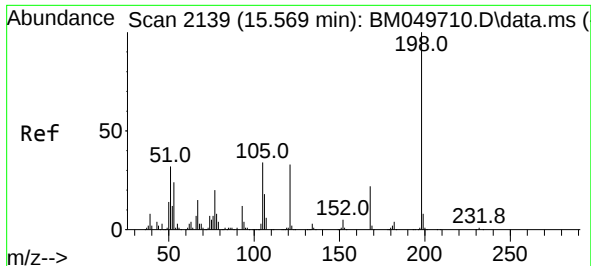
Tgt Ion: 77 Resp: 138871
Ion Ratio Lower Upper
77 100
182 82.7 8.0 48.0#
105 134.5 0.0 40.0#
51 34.8 7.3 47.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:188 Resp: 1252828
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.6
80 8.2 6.3 9.5

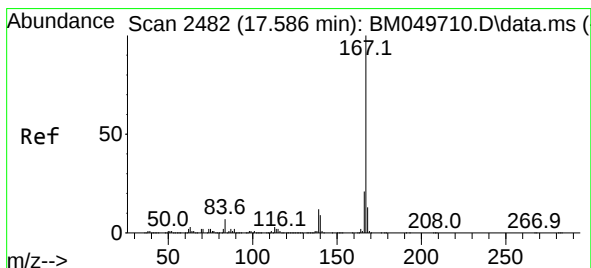
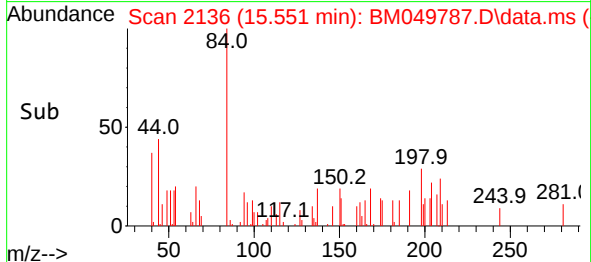
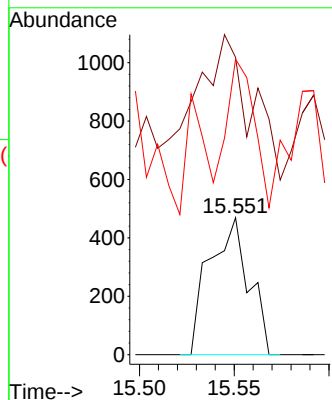
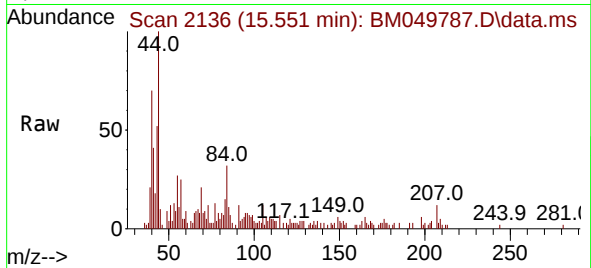




#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.134 ng
 RT: 15.551 min Scan# 2136
 Delta R.T. -0.018 min
 Lab File: BM049787.D
 Acq: 02 Apr 2025 12:49

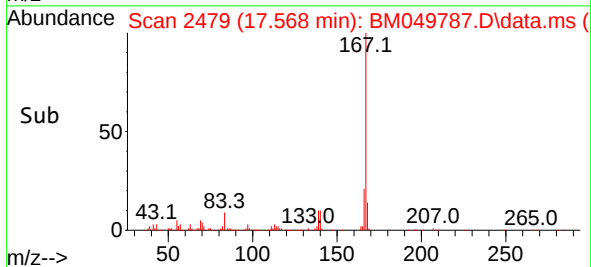
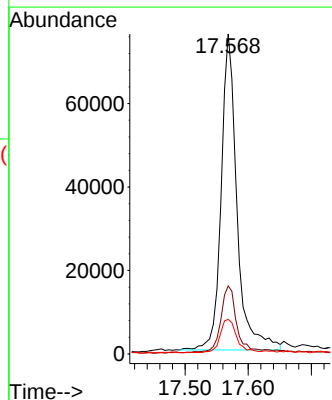
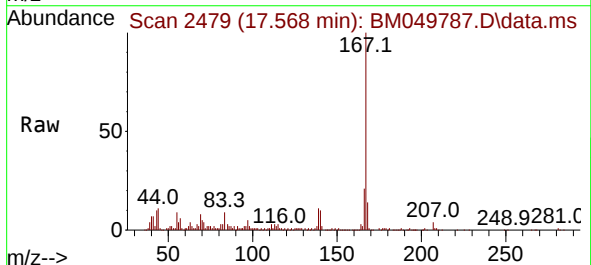
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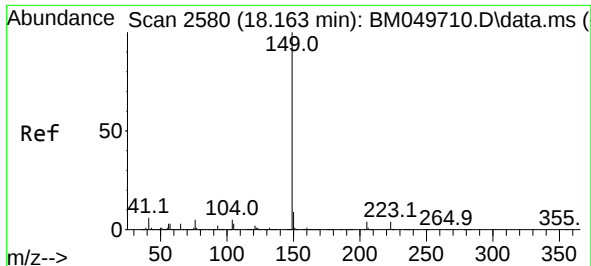
Tgt Ion:198 Resp: 682
 Ion Ratio Lower Upper
 198 100
 51 217.1 13.8 53.8#
 105 215.8 14.0 54.0#



#73
 Carbazole
 Concen: 2.158 ng
 RT: 17.568 min Scan# 2479
 Delta R.T. -0.018 min
 Lab File: BM049787.D
 Acq: 02 Apr 2025 12:49

Tgt Ion:167 Resp: 131640
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 10.8 9.4 14.2





#74
Di-n-butylphthalate
Concen: 2.646 ng
RT: 18.139 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

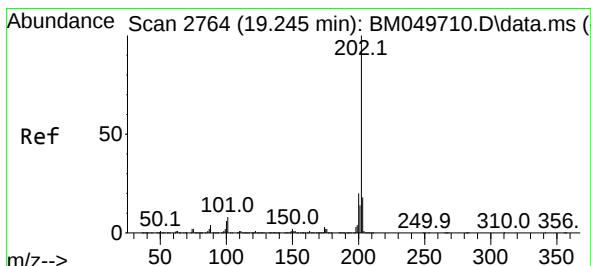
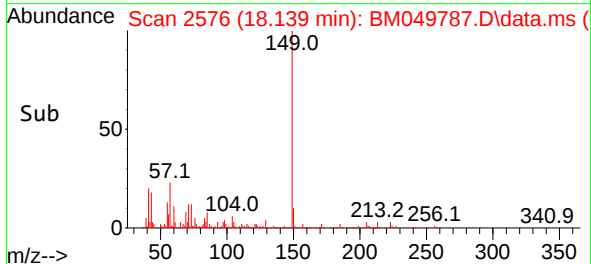
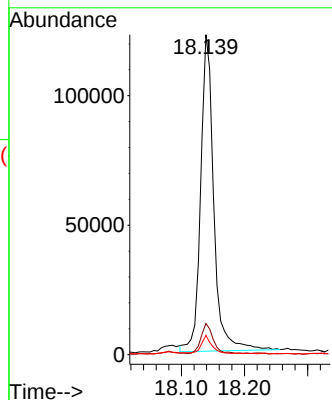
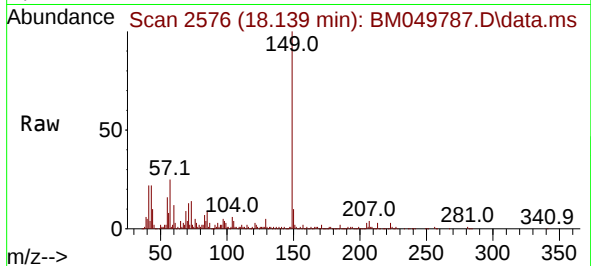
Instrument :

BNA_M

ClientSampleId :

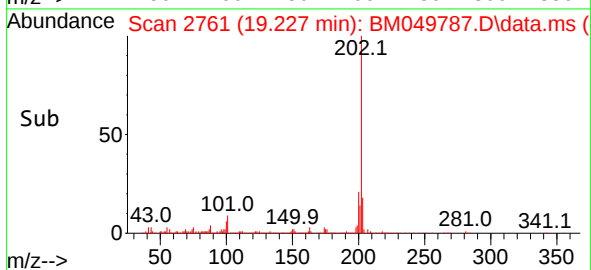
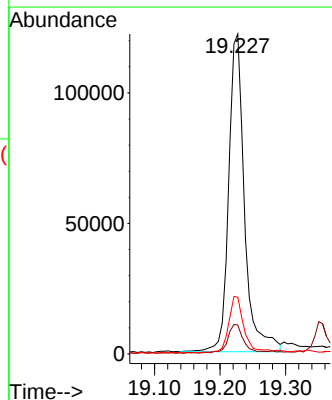
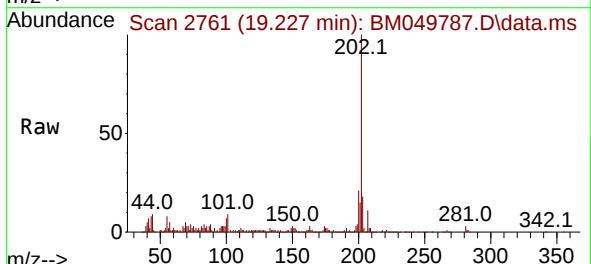
TP-10

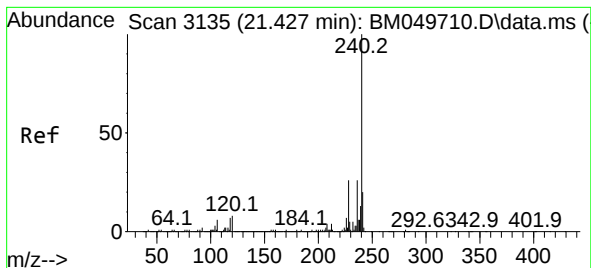
Tgt Ion:149 Resp: 176919
Ion Ratio Lower Upper
149 100
150 9.7 7.2 10.8
104 6.1 3.9 5.9#



#75
Fluoranthene
Concen: 2.550 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:202 Resp: 204270
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.8
203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

Instrument :

BNA_M

ClientSampleId :

TP-10

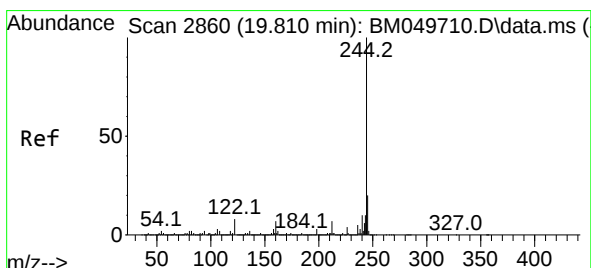
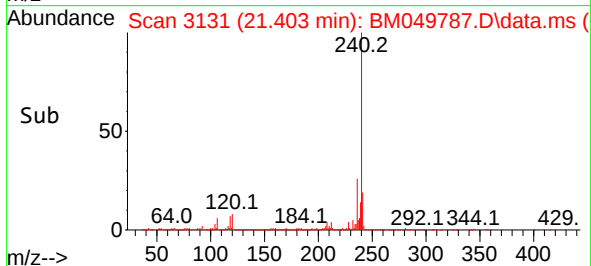
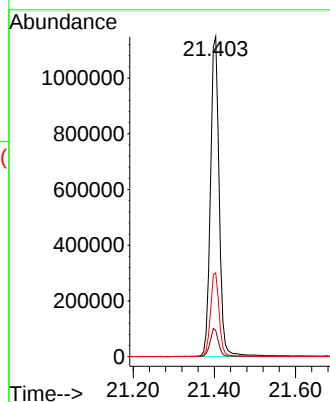
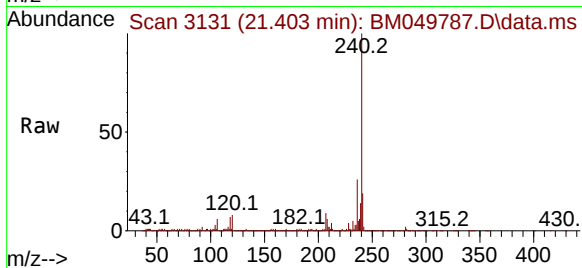
Tgt Ion:240 Resp: 1706504

Ion Ratio Lower Upper

240 100

120 8.2 6.5 9.7

236 26.2 20.7 31.1



#79

Terphenyl-d14

Concen: 38.511 ng

RT: 19.792 min Scan# 2857

Delta R.T. -0.018 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

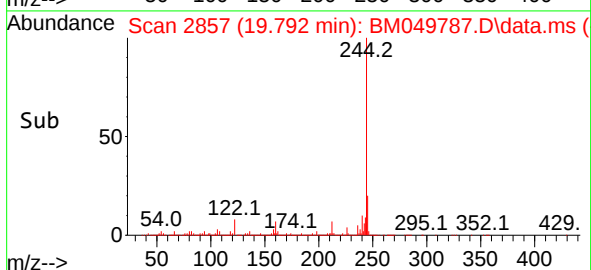
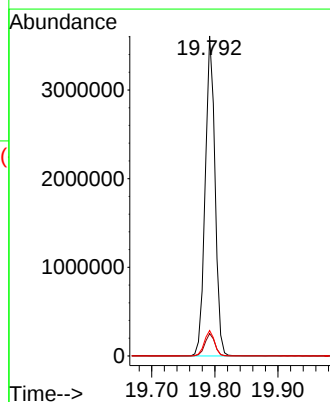
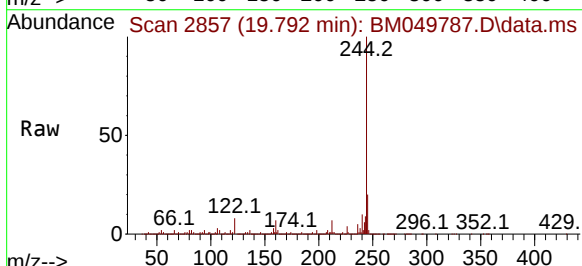
Tgt Ion:244 Resp: 3900016

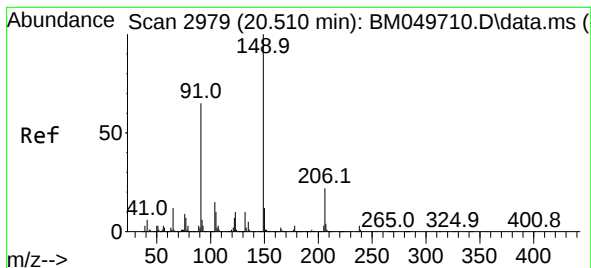
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 7.9 6.0 9.0





#80

Butylbenzylphthalate

Concen: 2.877 ng

RT: 20.486 min Scan# 2975

Delta R.T. -0.024 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

Instrument :

BNA_M

ClientSampleId :

TP-10

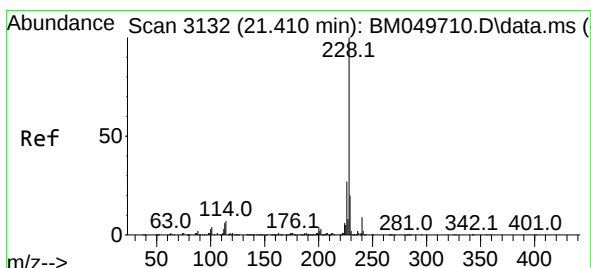
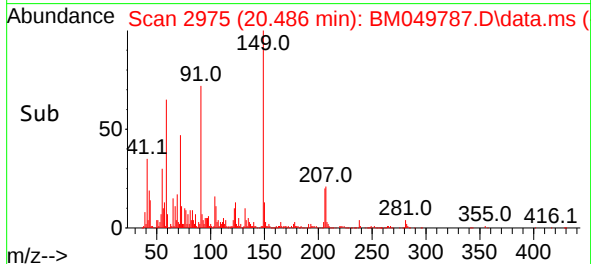
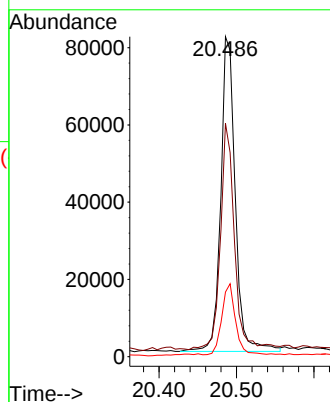
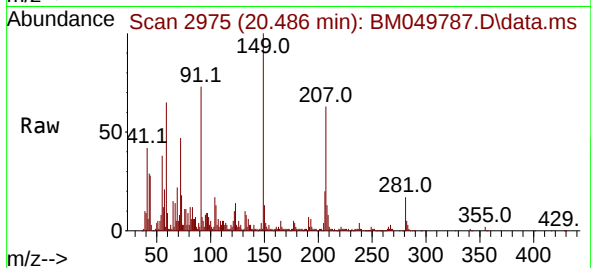
Tgt Ion:149 Resp: 106450

Ion Ratio Lower Upper

149 100

91 72.9 52.2 78.4

206 20.2 17.6 26.4



#81

Benzo(a)anthracene

Concen: 3.071 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.024 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

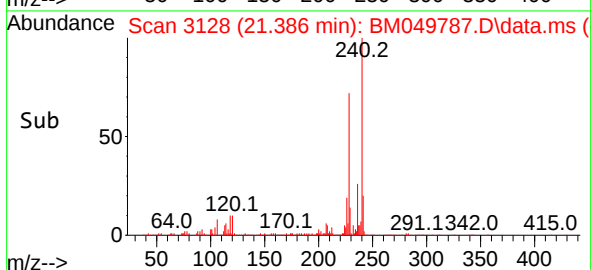
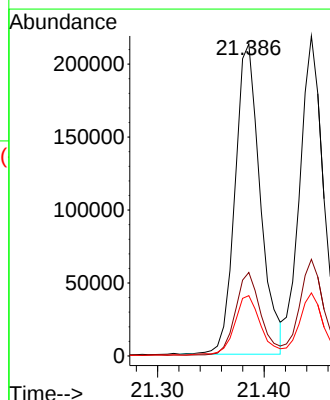
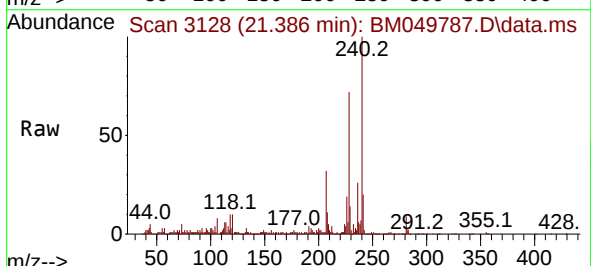
Tgt Ion:228 Resp: 350061

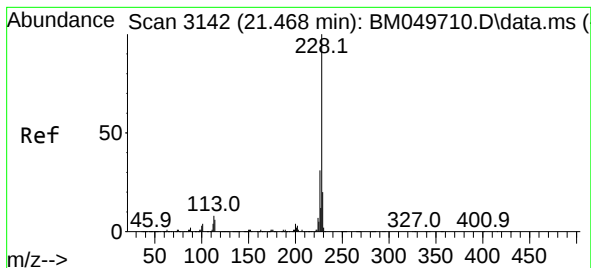
Ion Ratio Lower Upper

228 100

226 26.8 22.0 33.0

229 19.3 15.8 23.8





#83

Chrysene

Concen: 3.288 ng

RT: 21.444 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

Instrument :

BNA_M

ClientSampleId :

TP-10

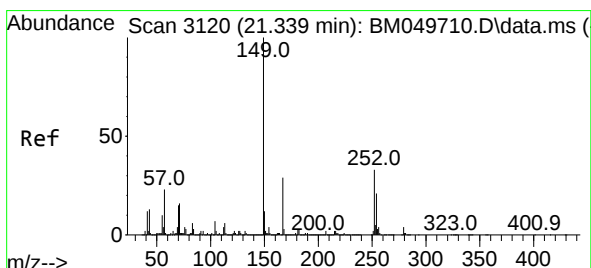
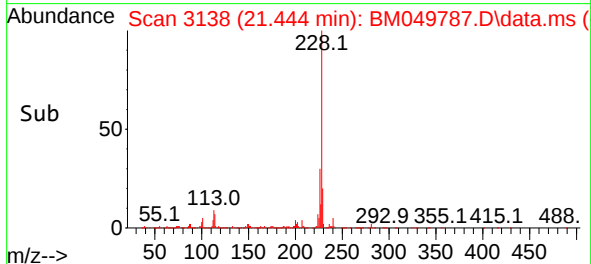
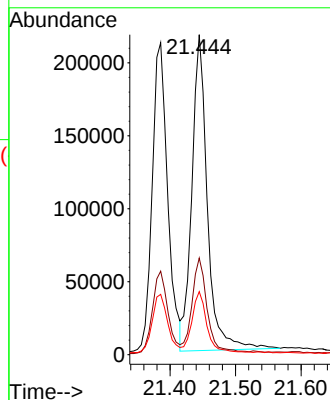
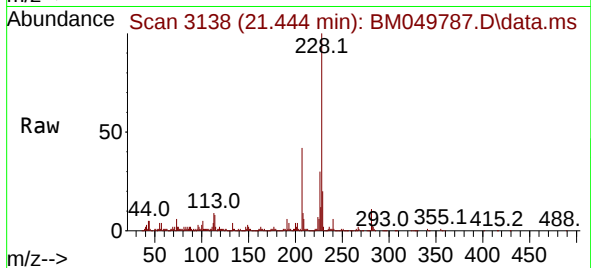
Tgt Ion:228 Resp: 355213

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.049 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

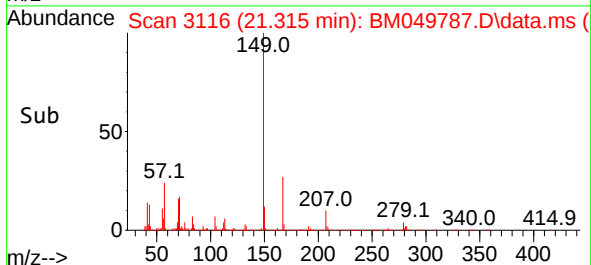
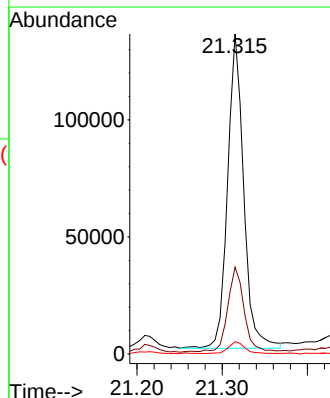
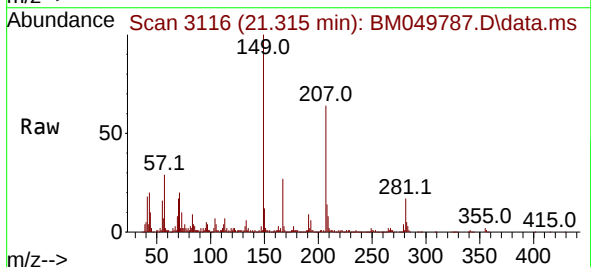
Tgt Ion:149 Resp: 175807

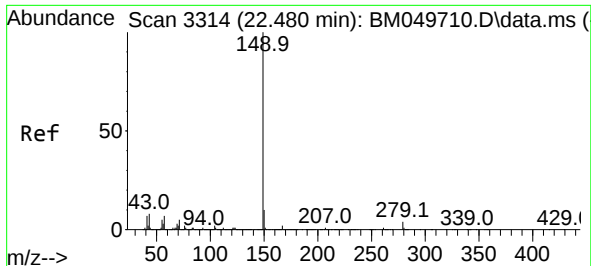
Ion Ratio Lower Upper

149 100

167 27.1 22.9 34.3

279 3.9 3.5 5.3

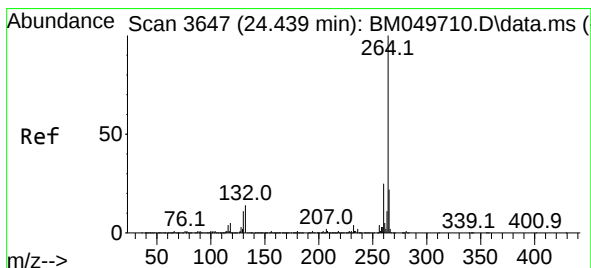
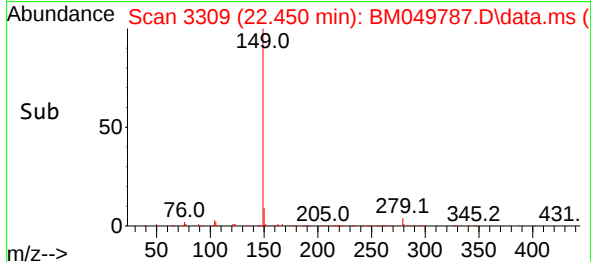
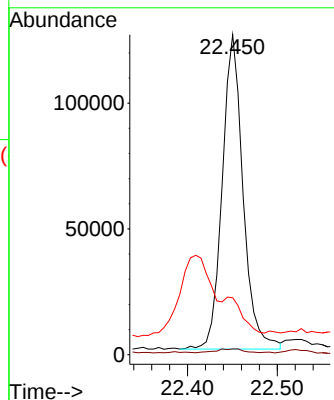
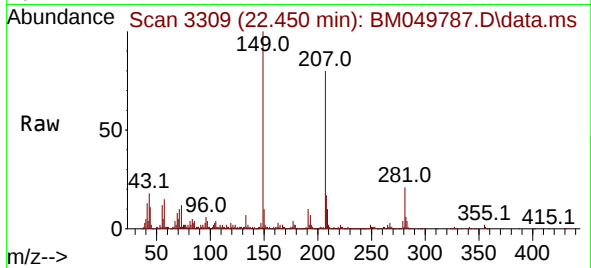




#85
Di-n-octyl phthalate
Concen: 2.248 ng
RT: 22.450 min Scan# 311
Delta R.T. -0.030 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

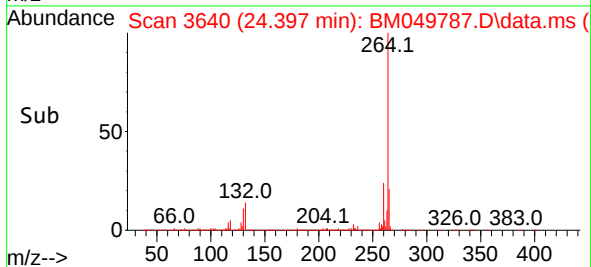
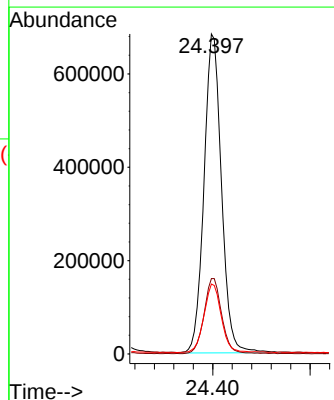
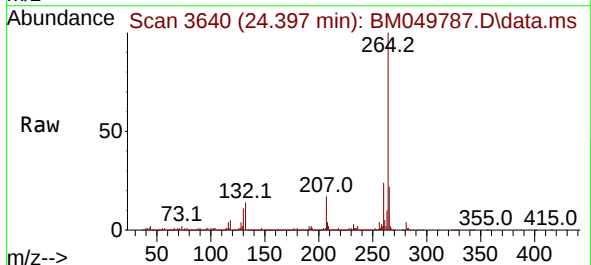
Instrument :
BNA_M
ClientSampleId :
TP-10

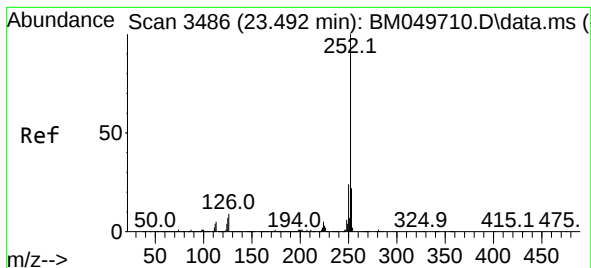
Tgt Ion:149 Resp: 201474
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 0.0 6.8 10.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.042 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Tgt Ion:264 Resp: 1701596
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 21.9 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 2.745 ng

RT: 23.450 min Scan# 3486

Delta R.T. -0.042 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

Instrument :

BNA_M

ClientSampleId :

TP-10

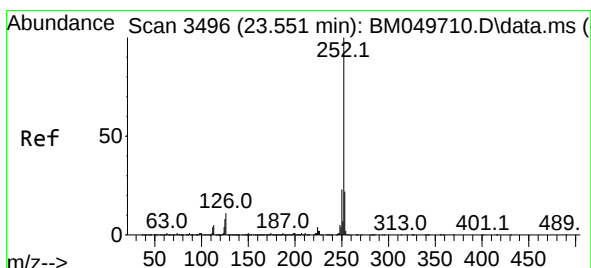
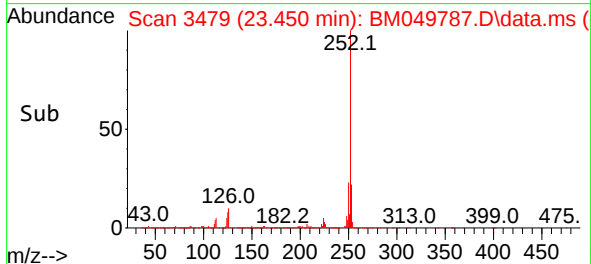
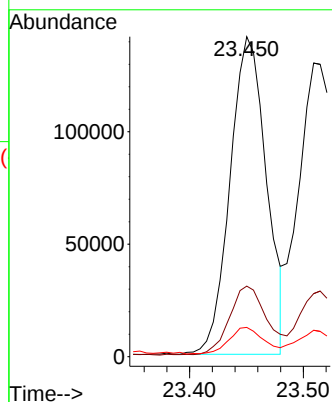
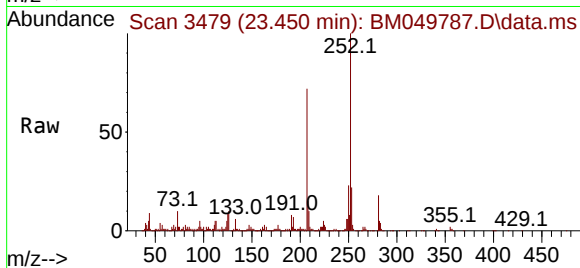
Tgt Ion:252 Resp: 314609

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.2 5.9 8.9#



#89

Benzo(k)fluoranthene

Concen: 2.913 ng

RT: 23.509 min Scan# 3489

Delta R.T. -0.042 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

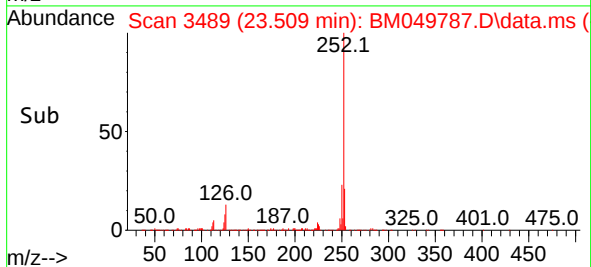
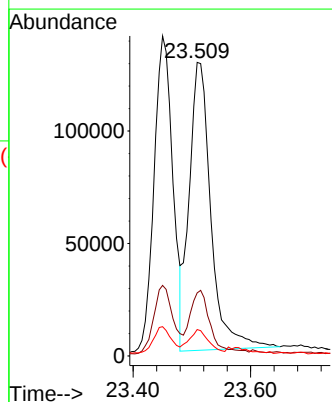
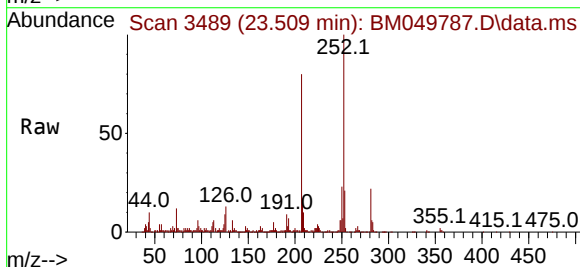
Tgt Ion:252 Resp: 328561

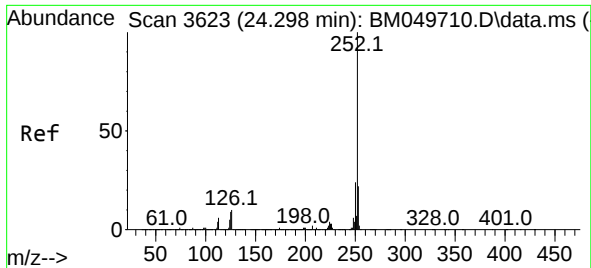
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

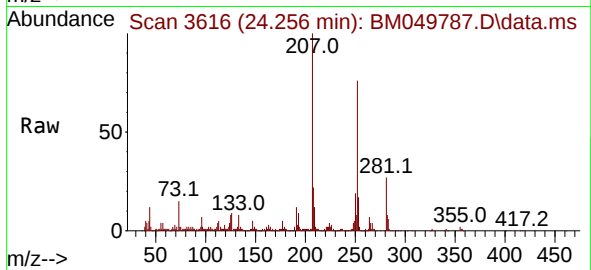
125 9.0 6.2 9.2





#90
 Benzo(a)pyrene
 Concen: 2.167 ng
 RT: 24.256 min Scan# 30
 Delta R.T. -0.042 min
 Lab File: BM049787.D
 Acq: 02 Apr 2025 12:49

Instrument :
 BNA_M
 ClientSampleId :
 TP-10



Tgt Ion:252 Resp: 208612

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.0	7.0	10.6

