

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)

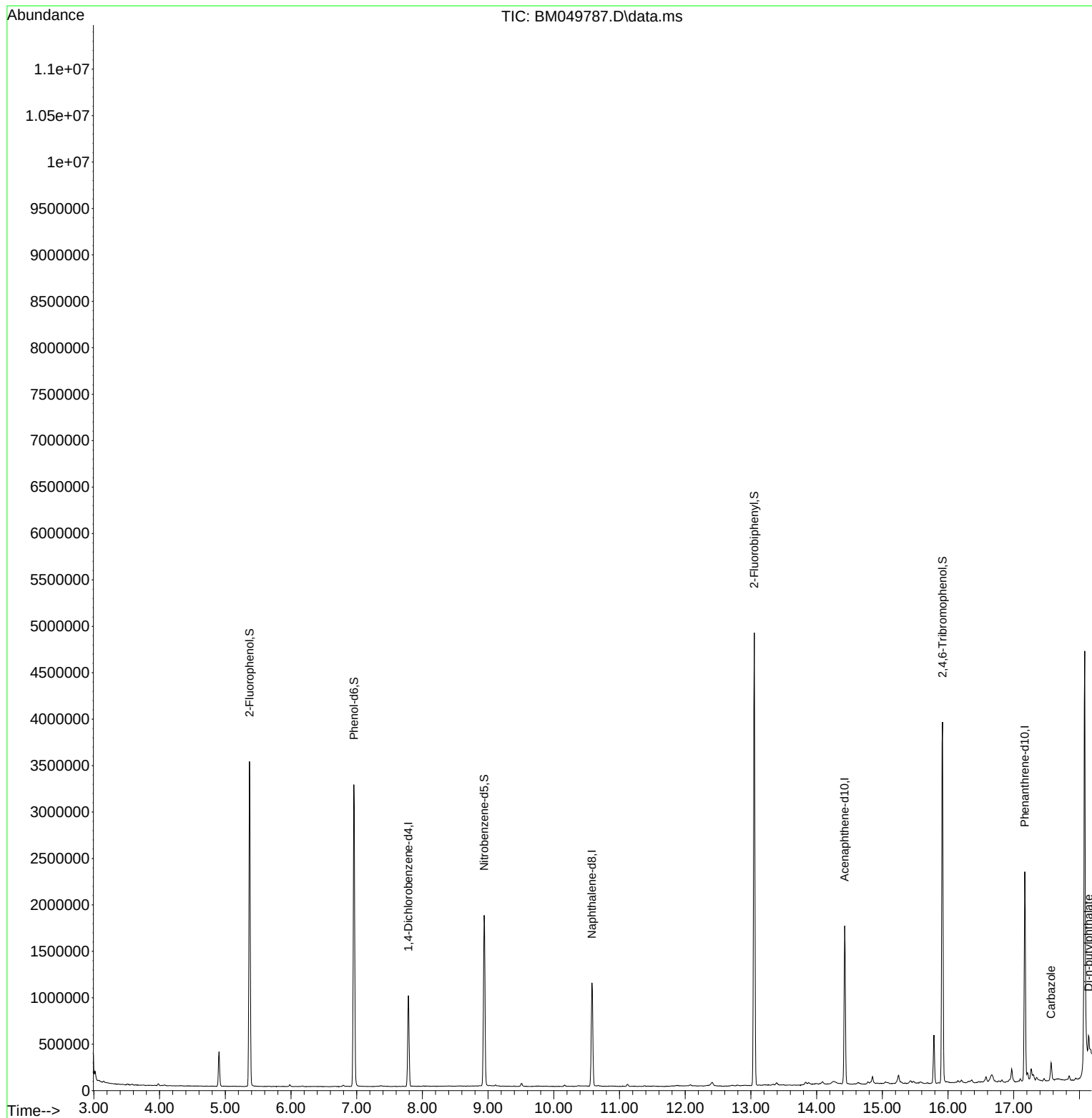
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	260998	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	891000	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	573758	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1252828	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1706504	20.000	ng	-0.02
86) 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						
						Qvalue
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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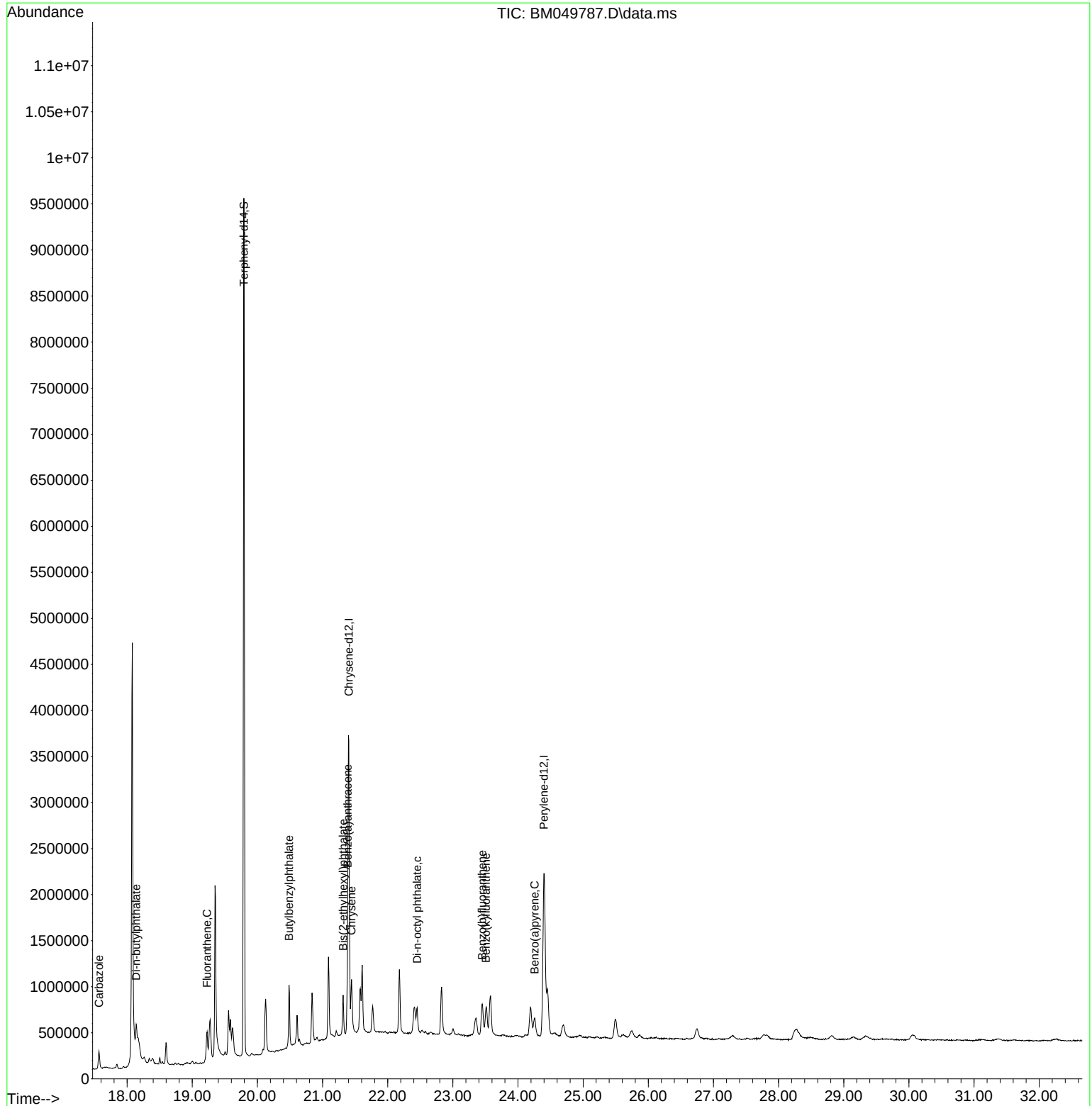
Quant Time: Apr 02 13:33:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
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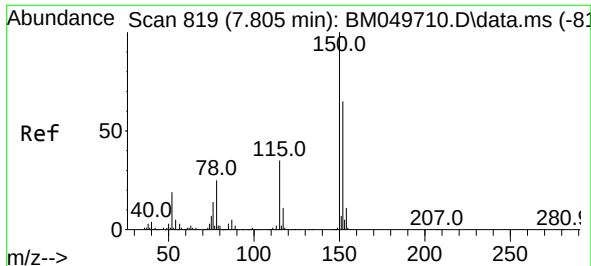


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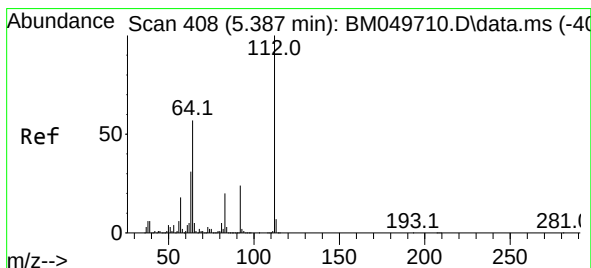
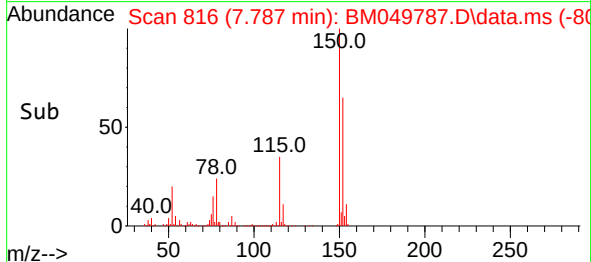
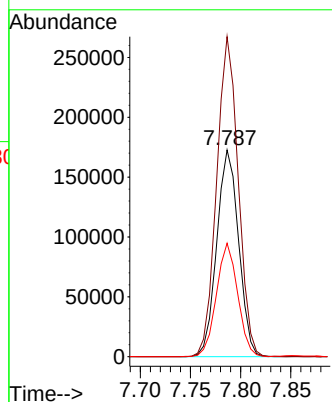
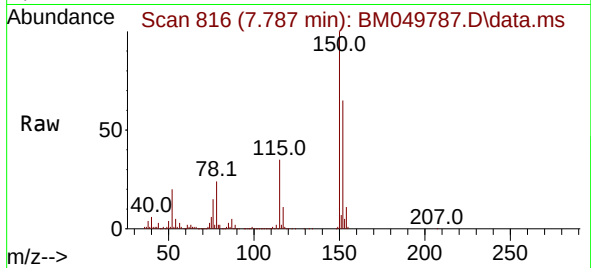




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

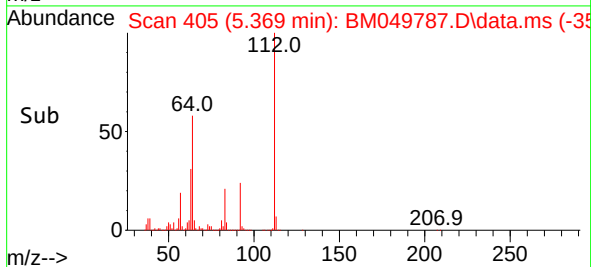
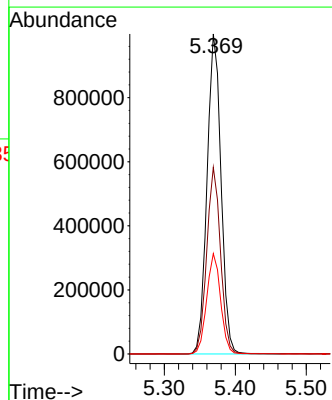
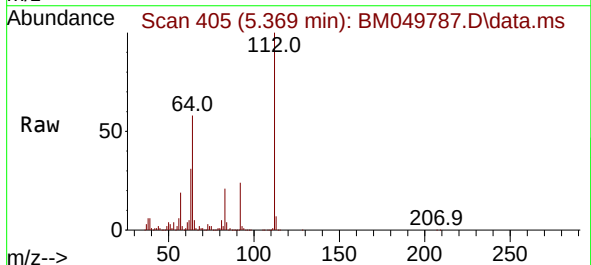
Instrument :
BNA_M
ClientSampleId :
TP-10

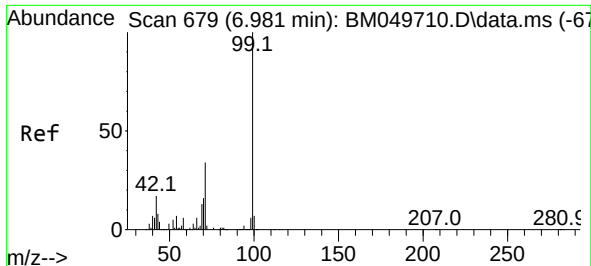
Tgt Ion:152 Resp: 260998
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 54.9 43.0 64.6



#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



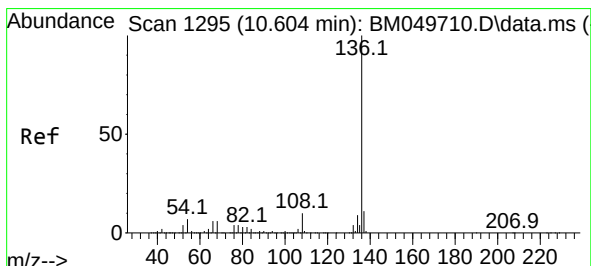
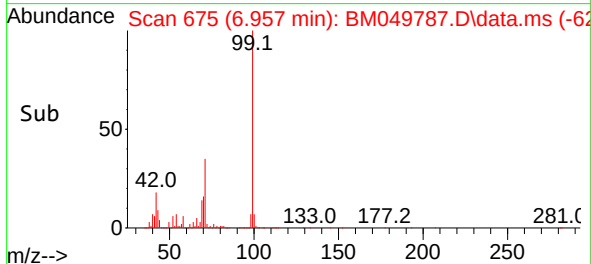
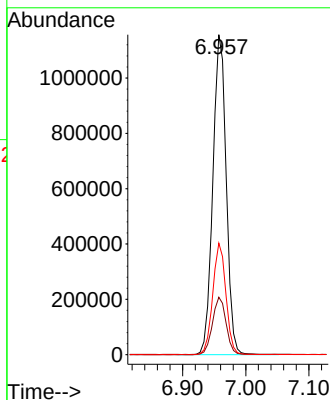
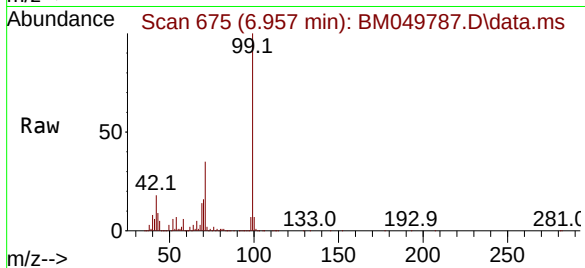


#7
Phenol-d6
Concen: 87.513 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Instrument :
BNA_M
ClientSampleId :
TP-10

Tgt Ion: 99 Resp: 1698777

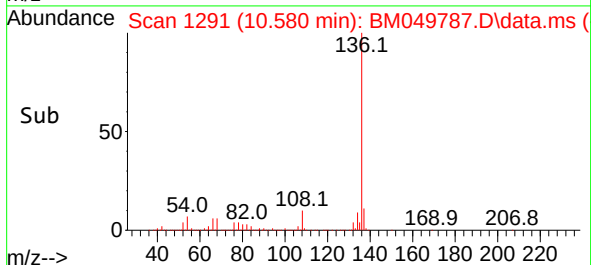
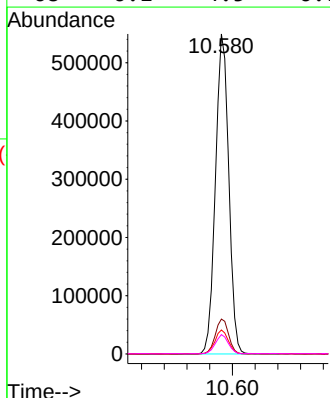
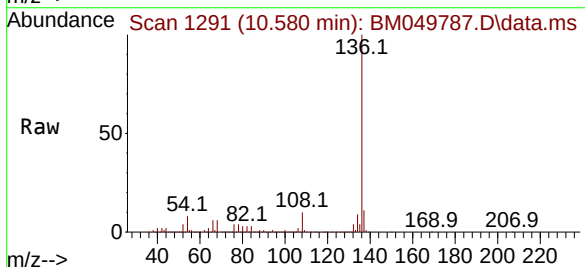
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.6	20.4
71	34.9	27.0	40.6

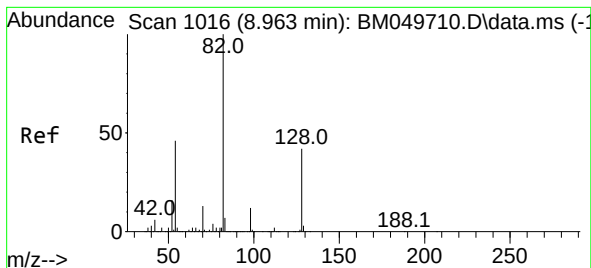


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

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

Instrument :

BNA_M

ClientSampleId :

TP-10

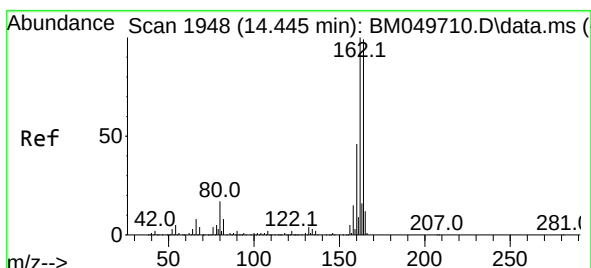
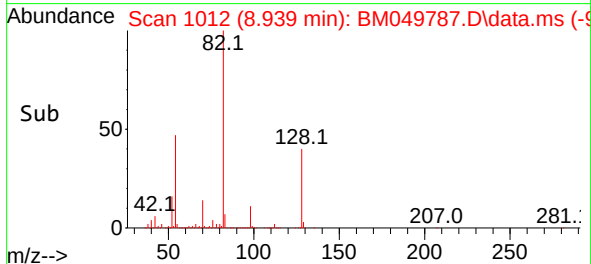
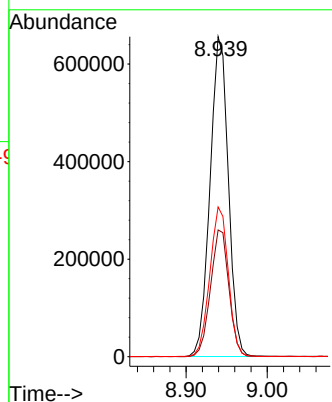
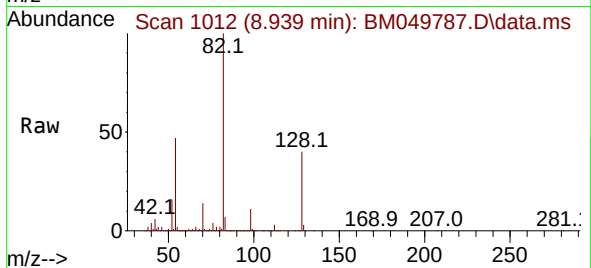
Tgt Ion: 82 Resp: 1025913

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

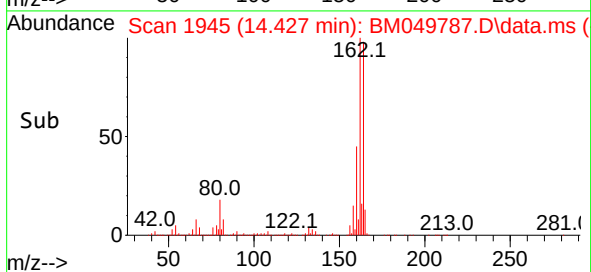
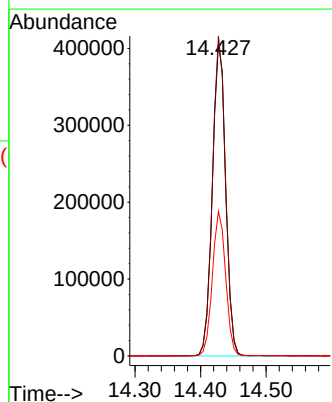
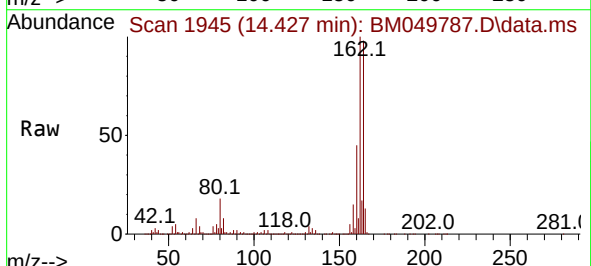
Tgt Ion:164 Resp: 573758

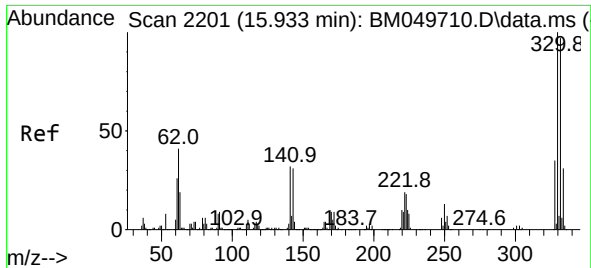
Ion Ratio Lower Upper

164 100

162 102.6 80.5 120.7

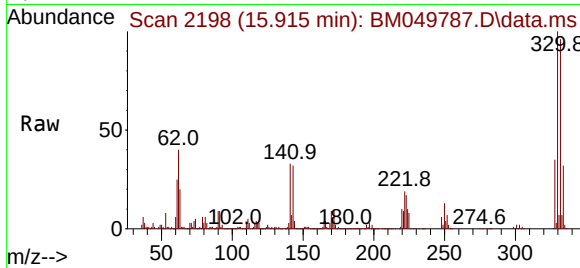
160 46.3 36.9 55.3



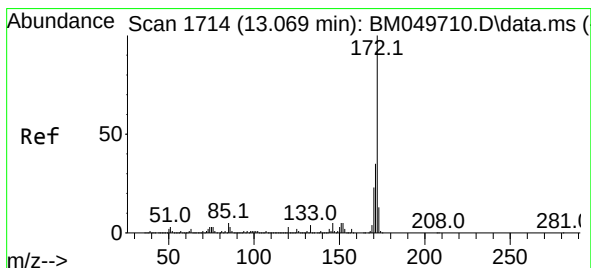
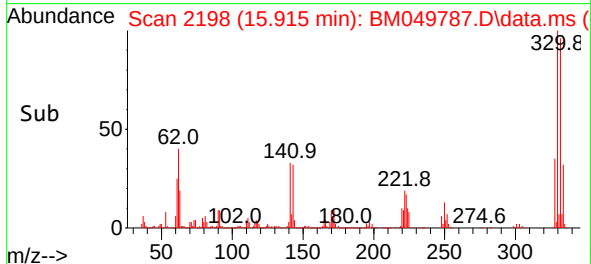
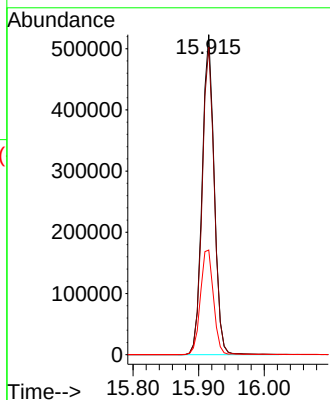


#42
2,4,6-Tribromophenol
Concen: 99.966 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

Instrument :
BNA_M
ClientSampleId :
TP-10

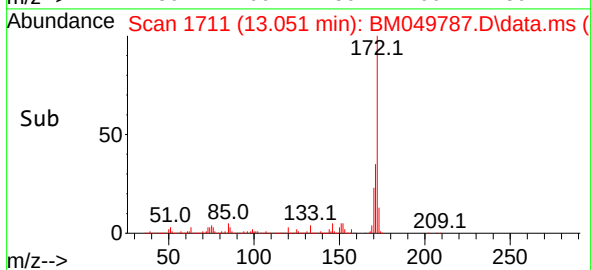
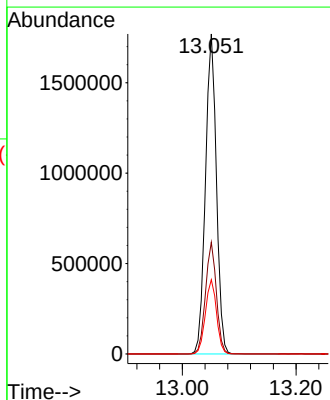
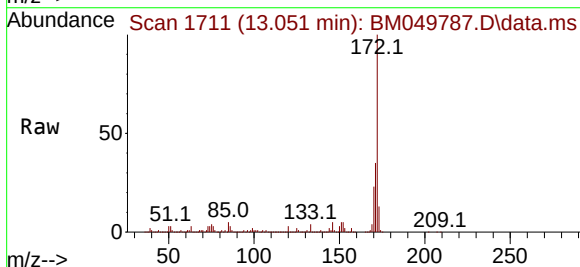


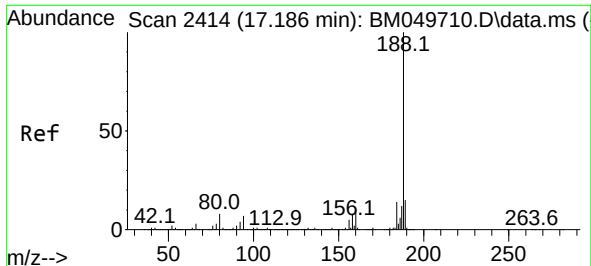
Tgt Ion:330 Resp: 669749
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 35.4 27.8 41.6



#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

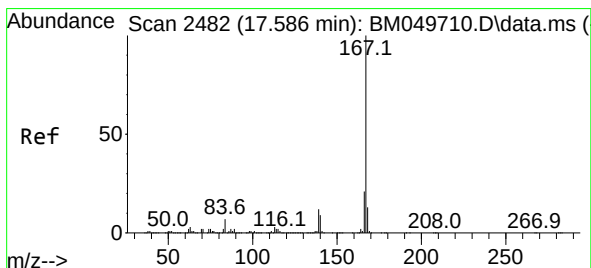
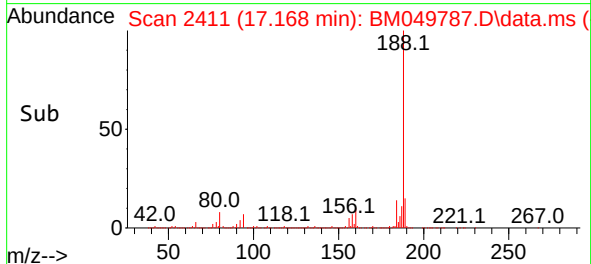
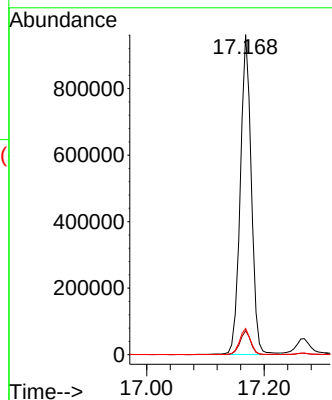
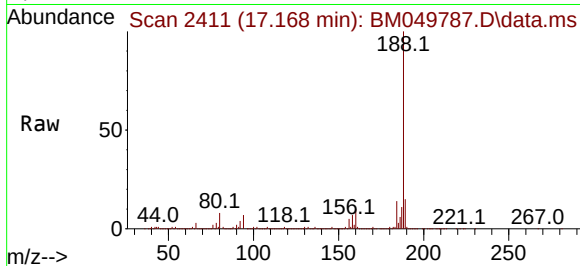




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

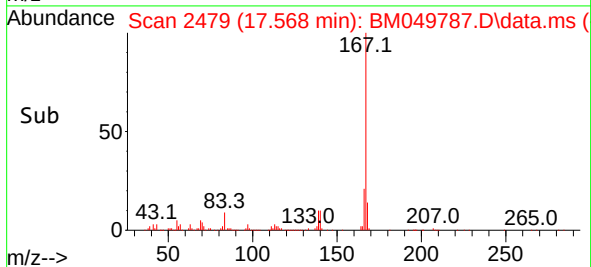
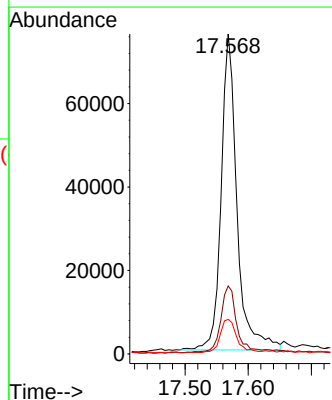
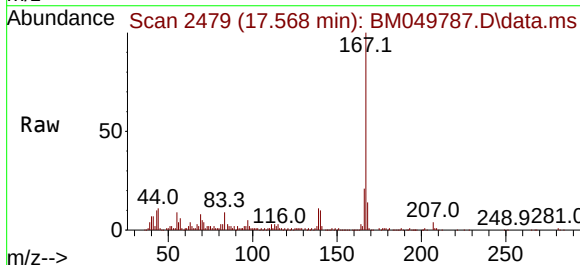
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BNA_M
ClientSampleId :
TP-10

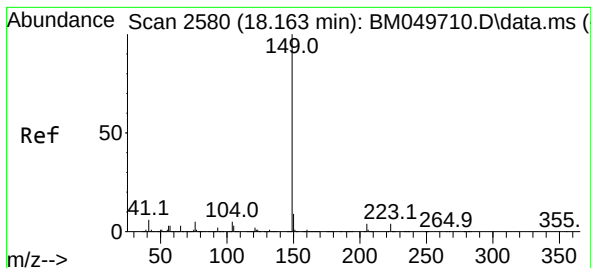
Tgt Ion:188 Resp: 1252828
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.6
80 8.2 6.3 9.5



#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

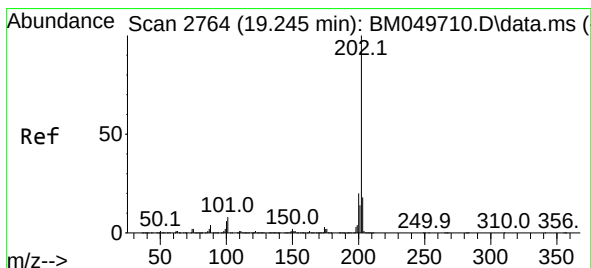
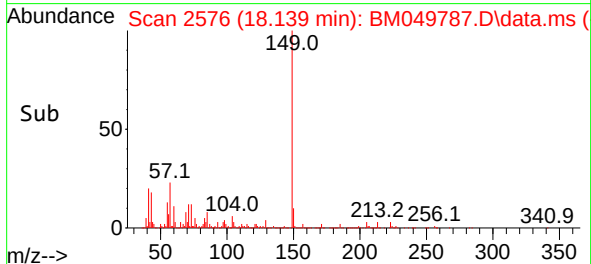
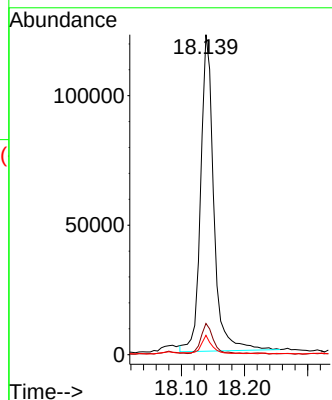
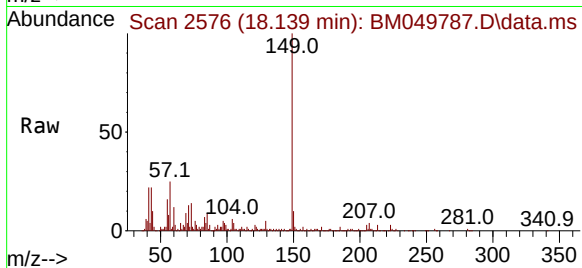
Tgt Ion:149 Resp: 176919

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

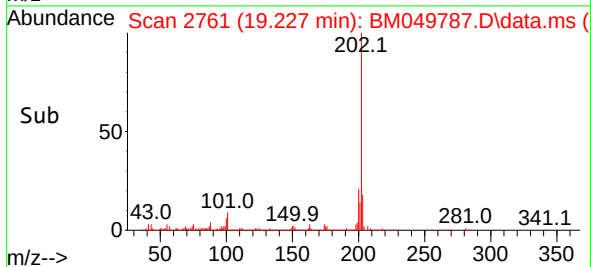
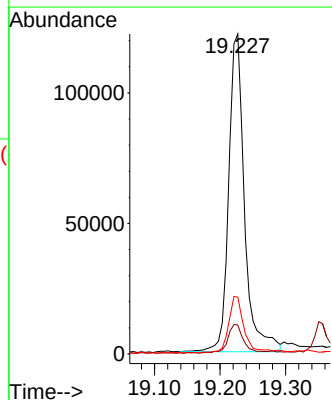
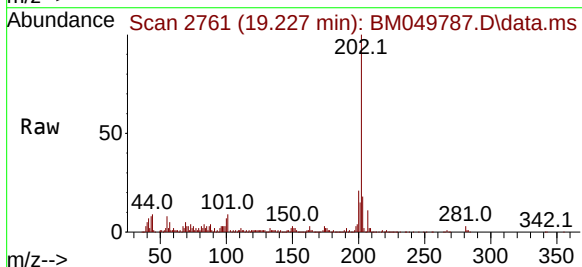
Tgt Ion:202 Resp: 204270

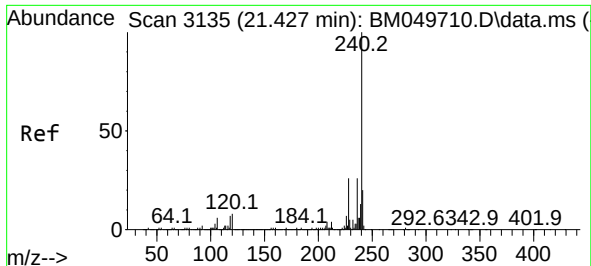
Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.8

203 17.8 0.0 37.6

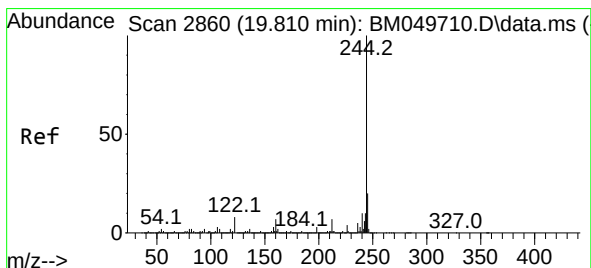
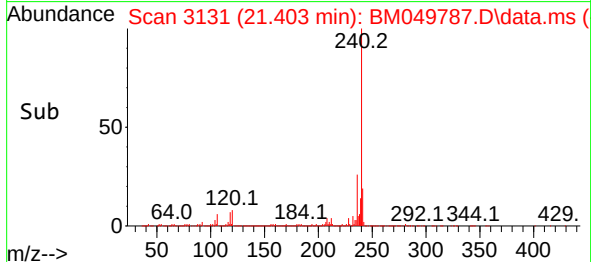
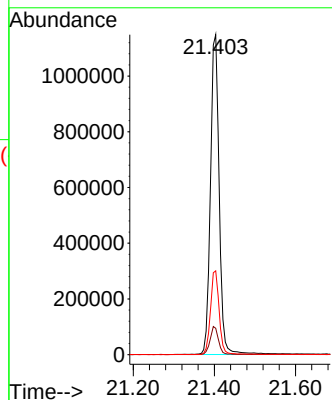
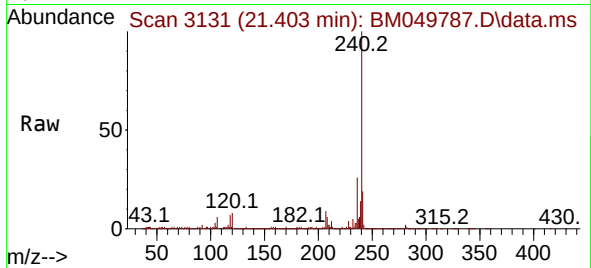




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

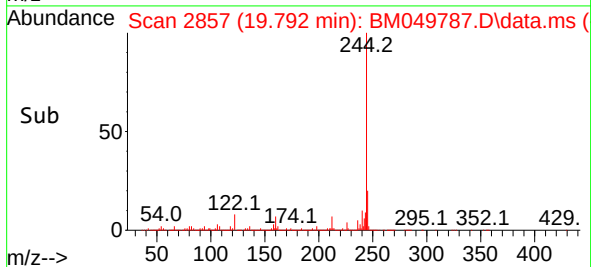
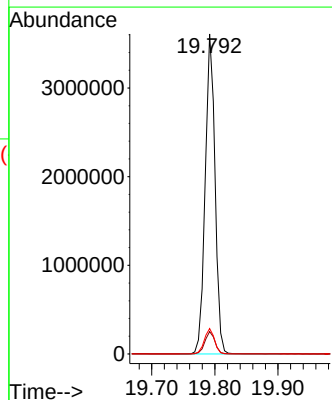
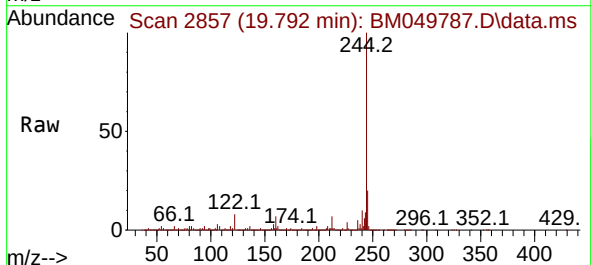
Instrument :
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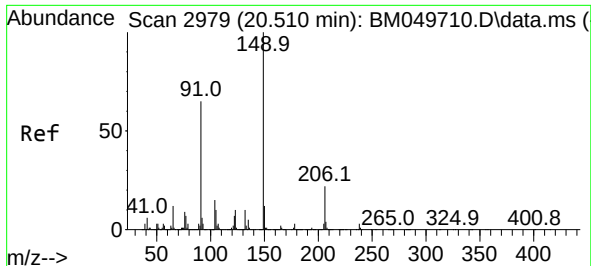
Tgt Ion:240 Resp: 1706504
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 26.2 20.7 31.1



#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

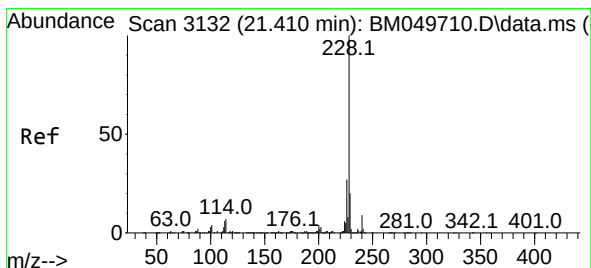
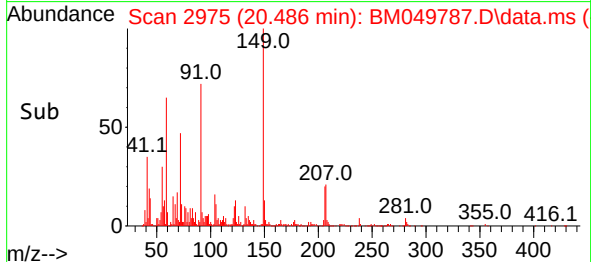
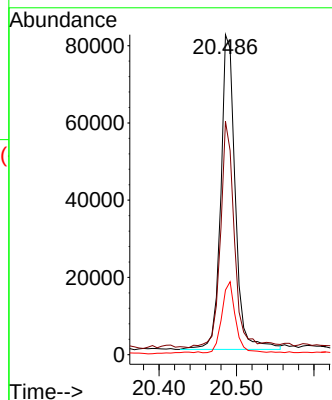
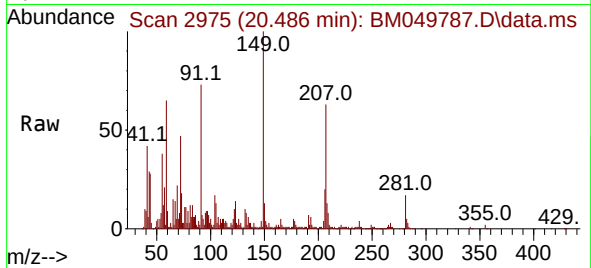




#80
Butylbenzylphthalate
Concen: 2.877 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.024 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

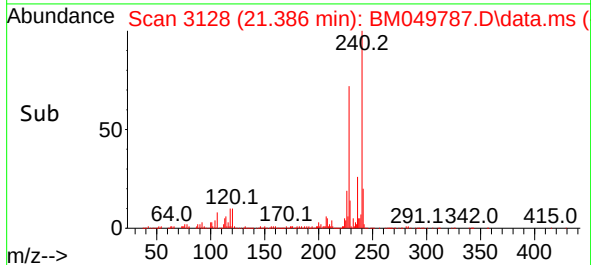
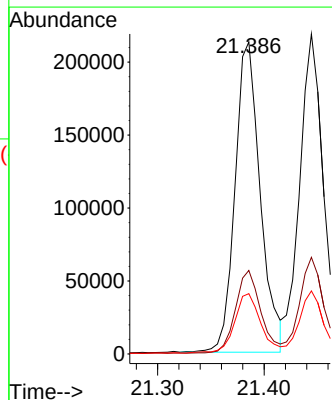
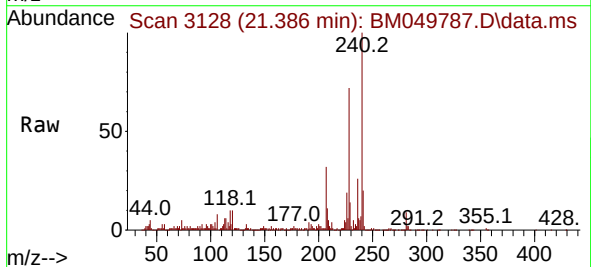
Instrument :
BNA_M
ClientSampleId :
TP-10

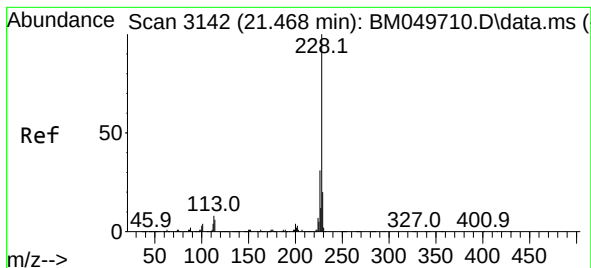
Tgt Ion:149 Resp: 106450
Ion Ratio Lower Upper
149 100
91 72.9 52.2 78.4
206 20.2 17.6 26.4



#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

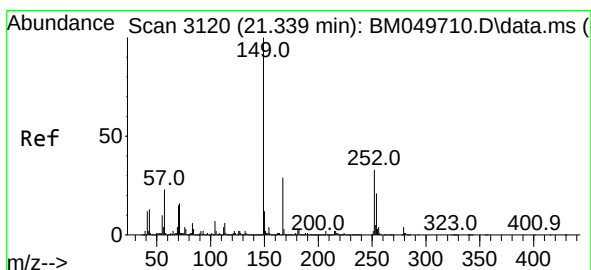
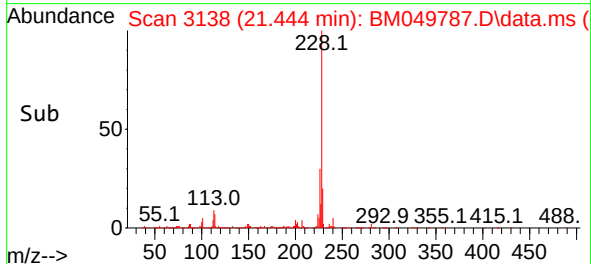
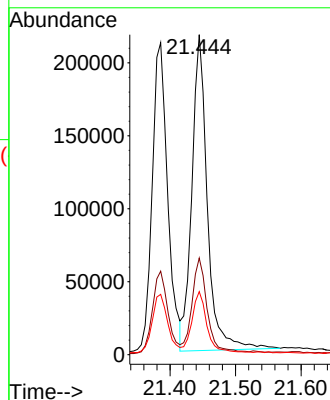
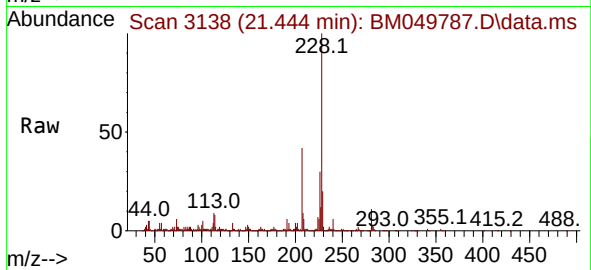
Tgt Ion:228 Resp: 355213

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

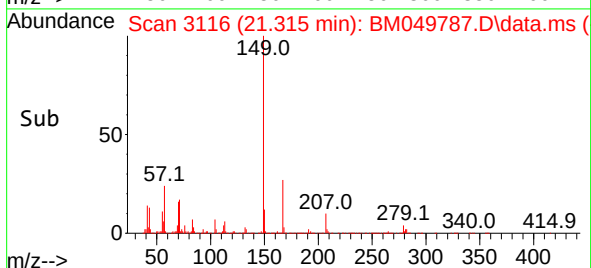
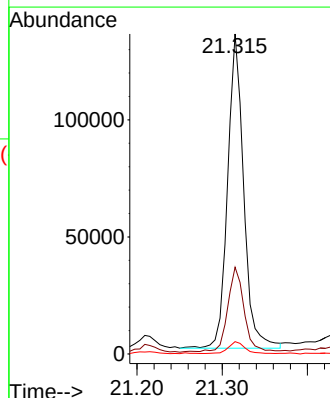
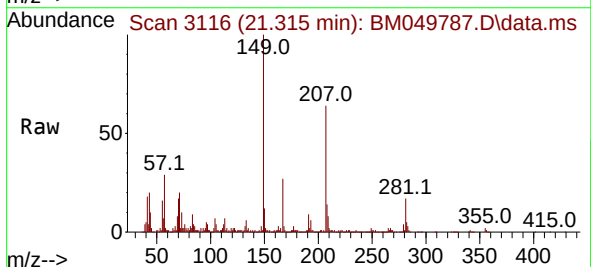
Tgt Ion:149 Resp: 175807

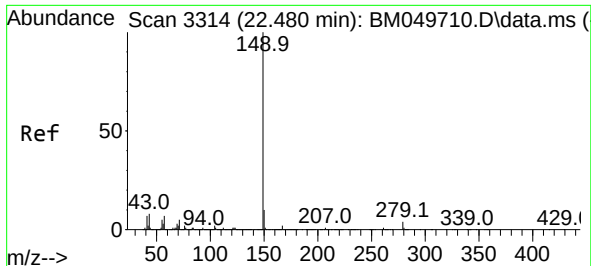
Ion Ratio Lower Upper

149 100

167 27.1 22.9 34.3

279 3.9 3.5 5.3

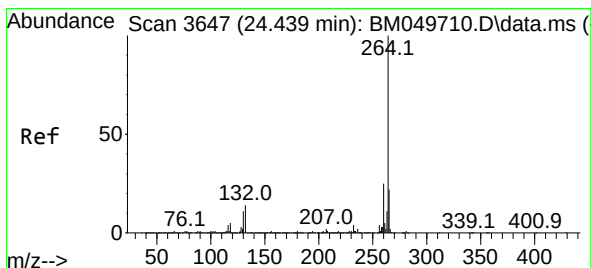
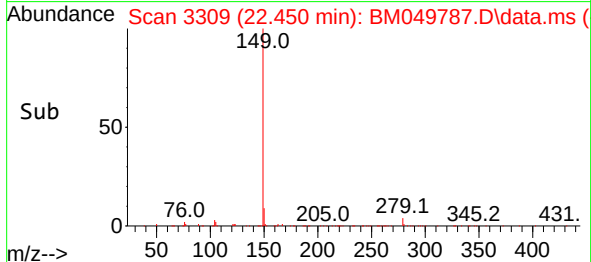
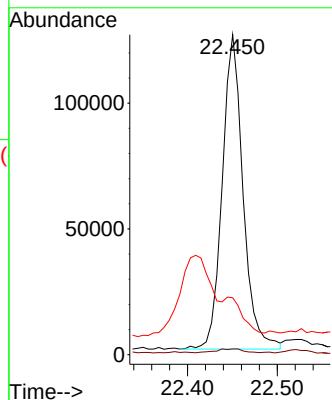
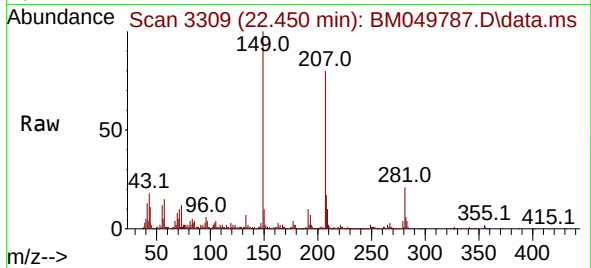




#85
Di-n-octyl phthalate
Concen: 2.248 ng
RT: 22.450 min Scan# 31
Delta R.T. -0.030 min
Lab File: BM049787.D
Acq: 02 Apr 2025 12:49

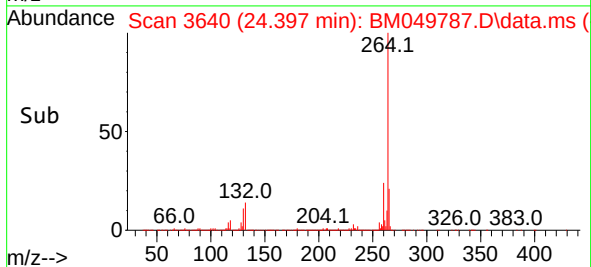
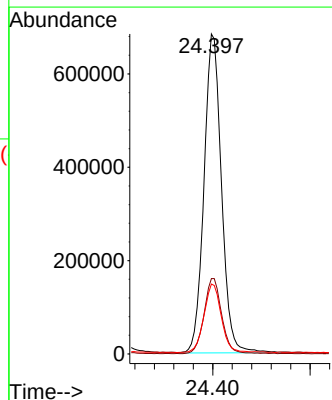
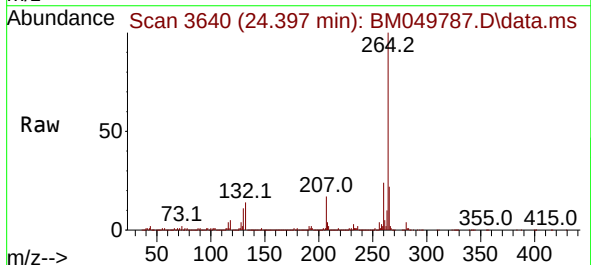
Instrument :
BNA_M
ClientSampleId :
TP-10

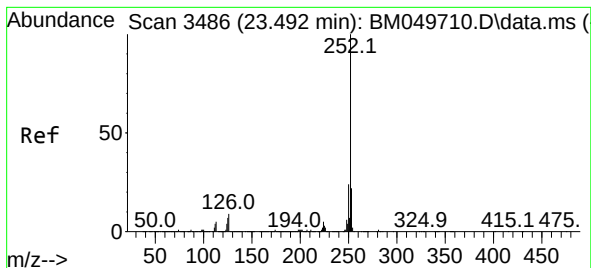
Tgt Ion:149 Resp: 201474
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 0.0 6.8 10.2#



#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# 34

Delta R.T. -0.042 min

Lab File: BM049787.D

Acq: 02 Apr 2025 12:49

Instrument :

BNA_M

ClientSampleId :

TP-10

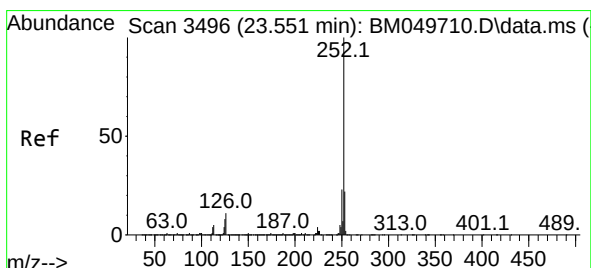
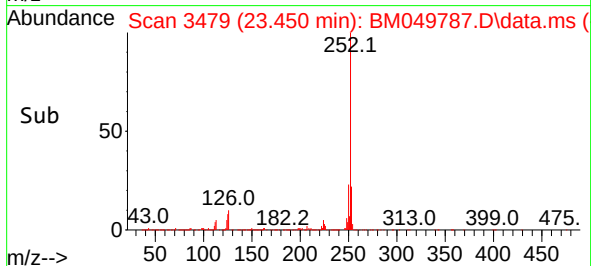
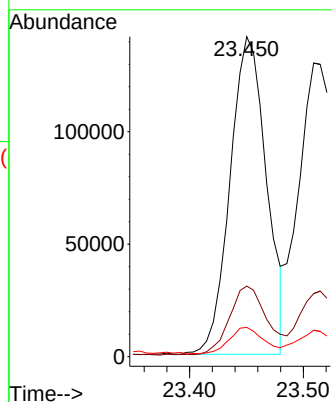
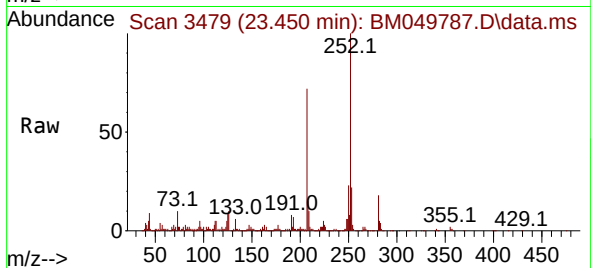
Tgt Ion:252 Resp: 314609

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

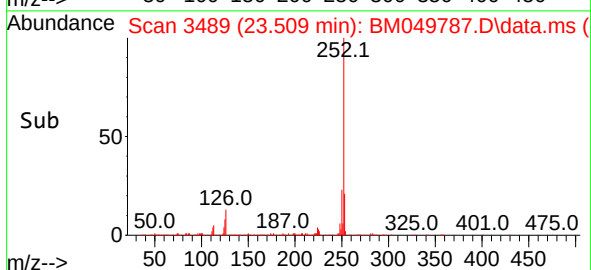
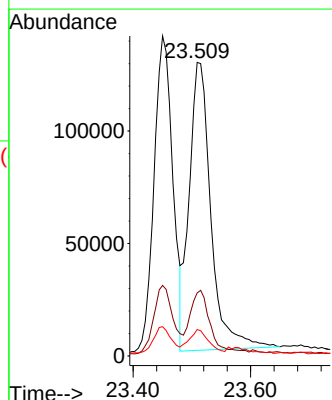
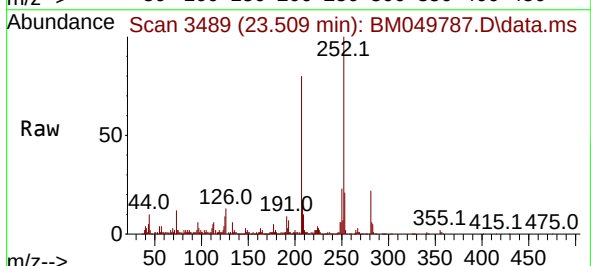
Tgt Ion:252 Resp: 328561

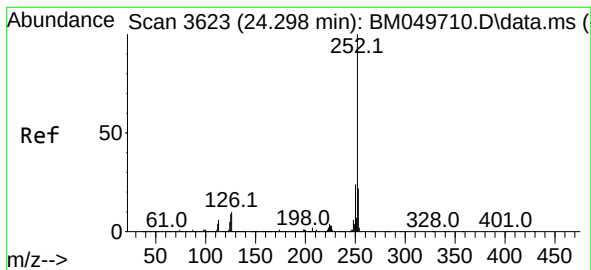
Ion Ratio Lower Upper

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

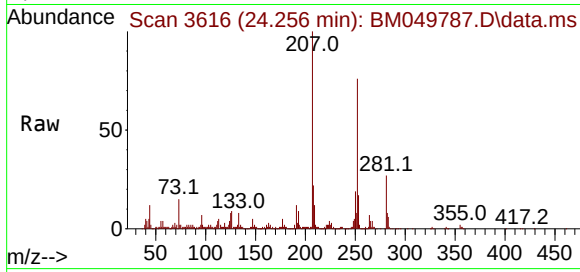
Acq: 02 Apr 2025 12:49

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

