

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
 Data File : BM050047.D
 Acq On : 30 Apr 2025 16:04
 Operator : RC/JU
 Sample : Q1883-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-PCS-TC-30-042325

Quant Time: Apr 30 16:48:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

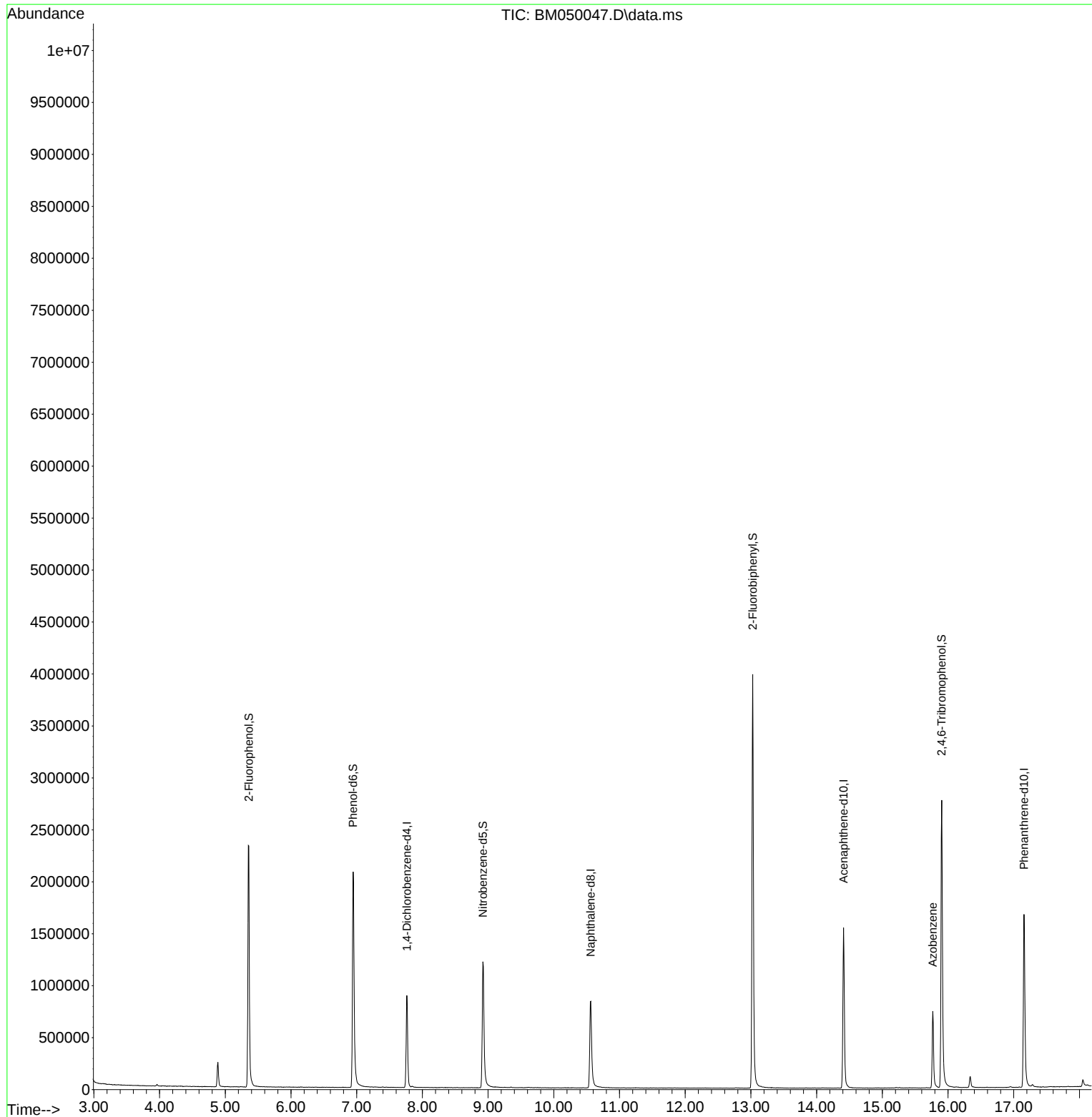
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	260024	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	900861	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	611222	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1203959	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1120360	20.000	ng	0.00
86) Perylene-d12	24.397	264	1185639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1122604	75.599	ng	0.00
7) Phenol-d6	6.946	99	1391534	74.558	ng	0.00
23) Nitrobenzene-d5	8.922	82	849698	46.478	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	618120	68.393	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2354019	45.561	ng	0.00
79) Terphenyl-d14	19.780	244	3973012	52.474	ng	0.00
Target Compounds						
63) Azobenzene	15.769	77	232633	6.595	ng	Qvalue # 1

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

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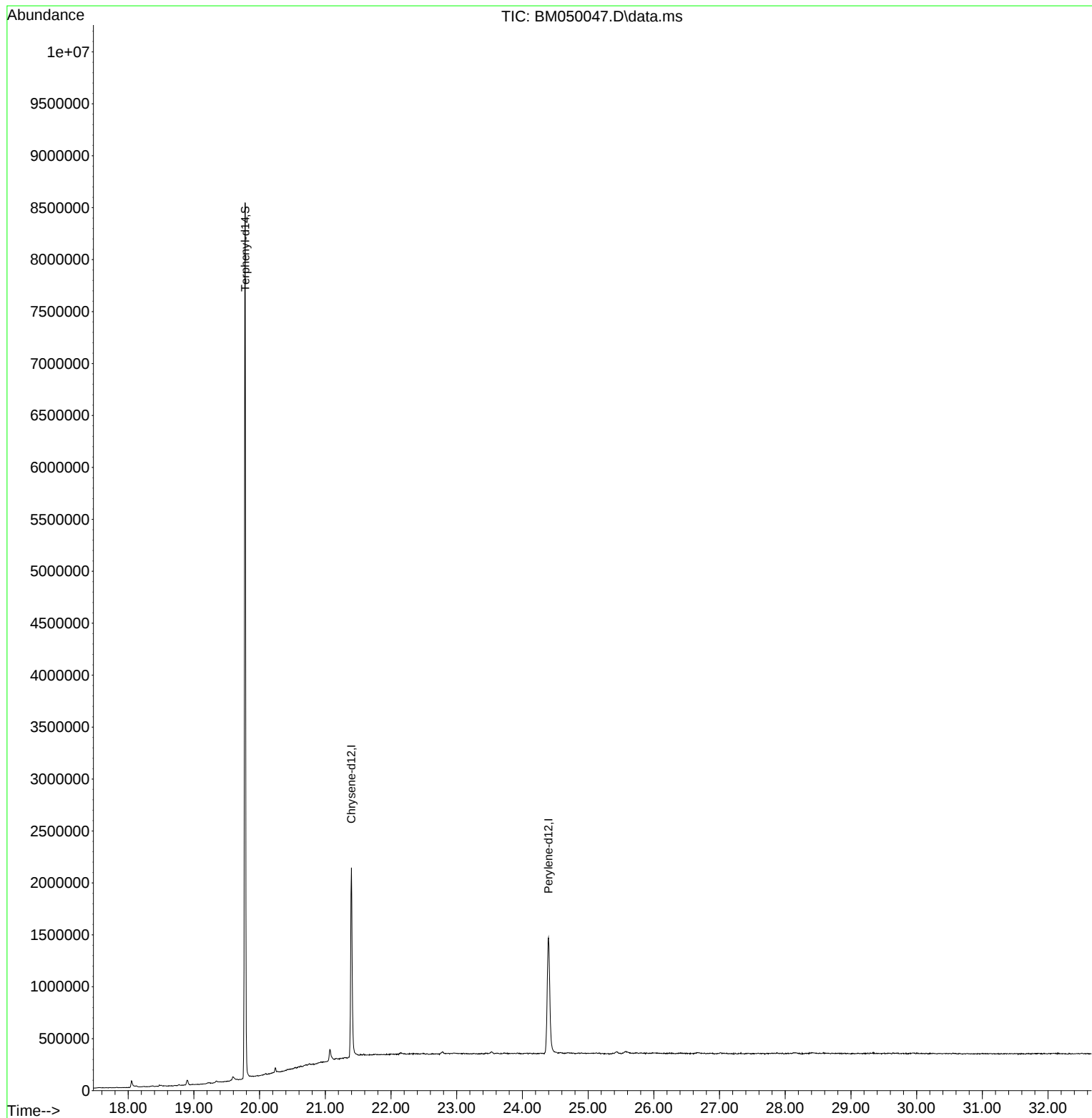
Quant Time: Apr 30 16:48:25 2025
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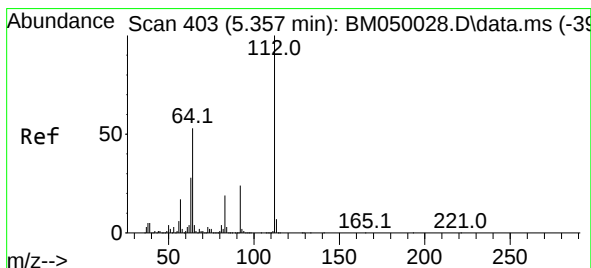
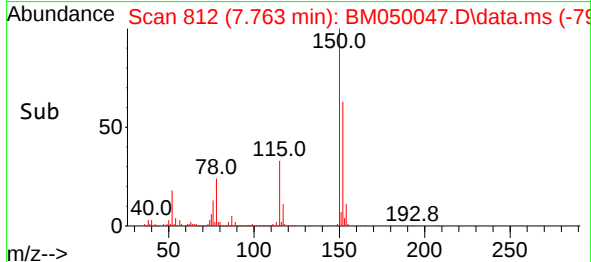
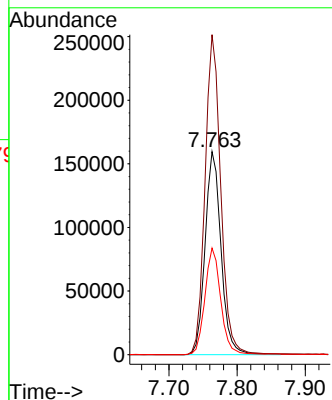
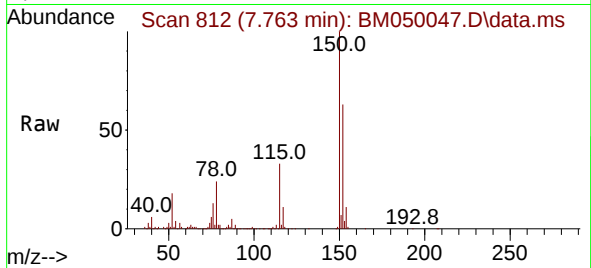




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

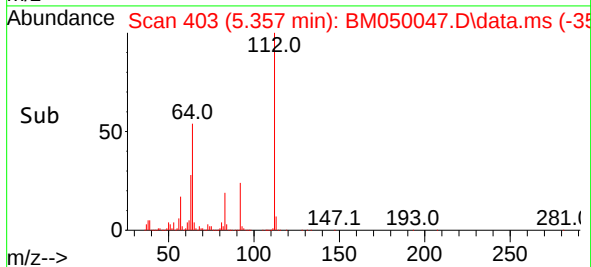
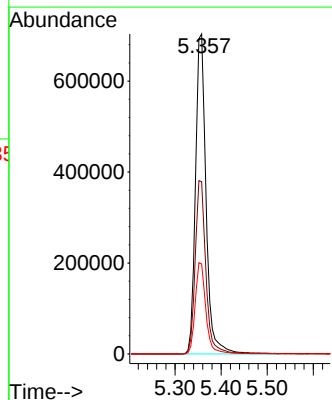
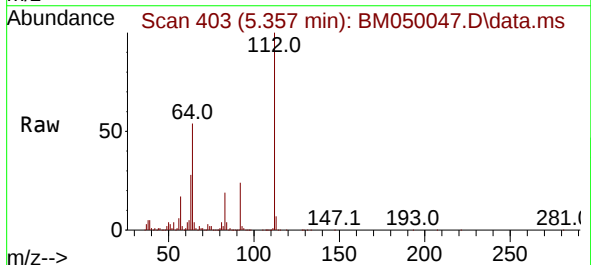
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

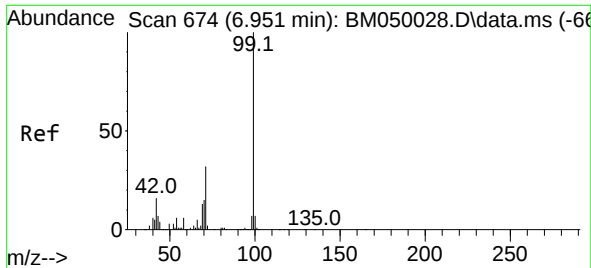
Tgt Ion:152 Resp: 260024
Ion Ratio Lower Upper
152 100
150 157.6 124.1 186.1
115 52.5 41.2 61.8



#5
2-Fluorophenol
Concen: 75.599 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:112 Resp: 1122604
Ion Ratio Lower Upper
112 100
64 53.8 42.6 64.0
63 28.1 22.2 33.4

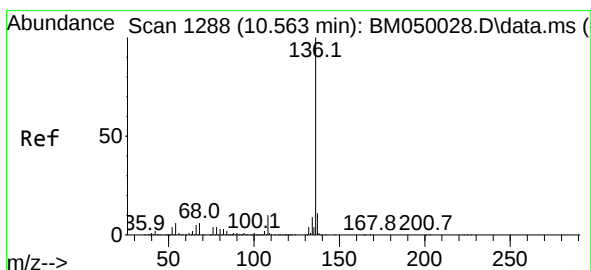
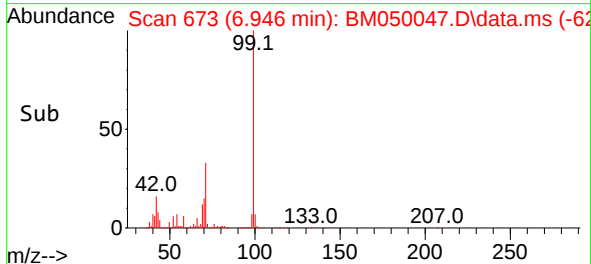
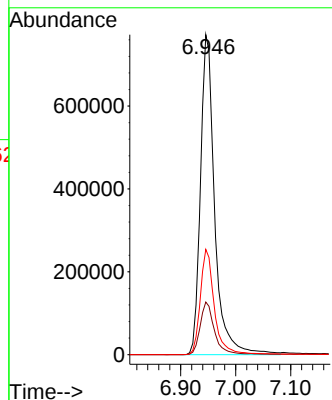
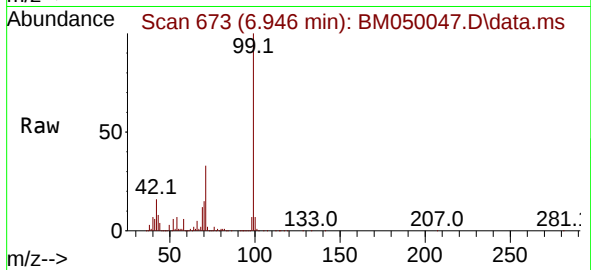




#7
Phenol-d6
Concen: 74.558 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

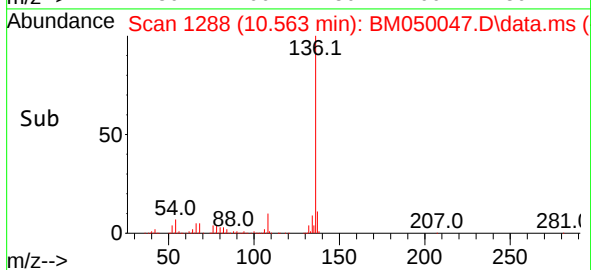
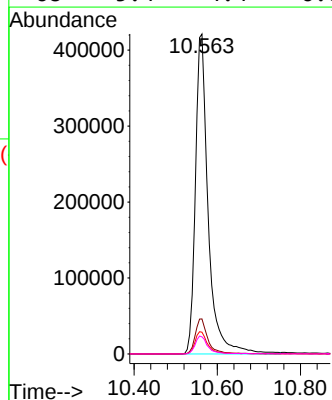
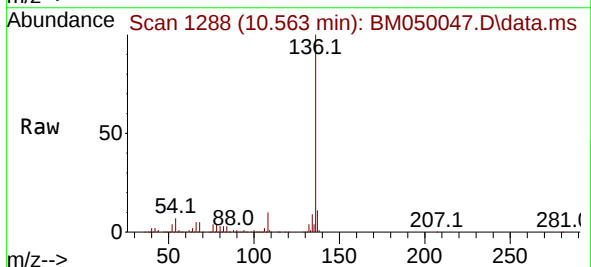
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

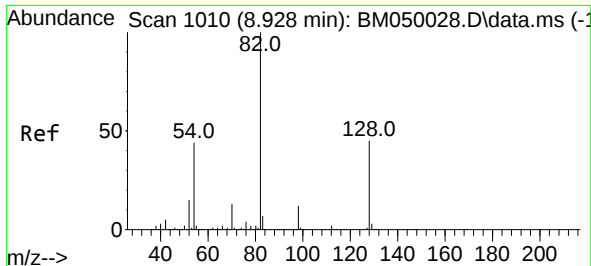
Tgt Ion: 99 Resp: 1391534
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.4
71 32.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion: 136 Resp: 900861
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.8 5.1 7.7
68 5.4 4.4 6.6

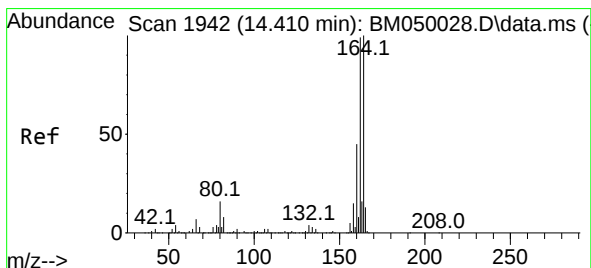
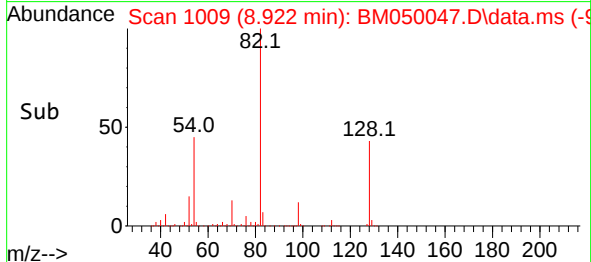
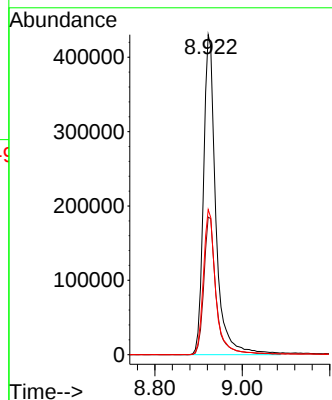
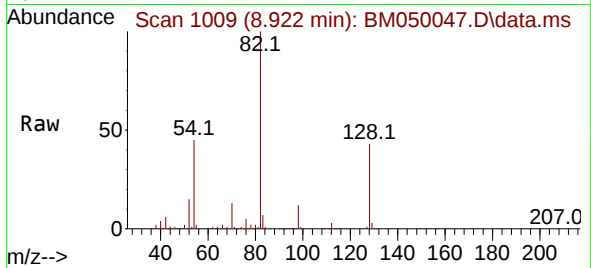




#23
Nitrobenzene-d5
Concen: 46.478 ng
RT: 8.922 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

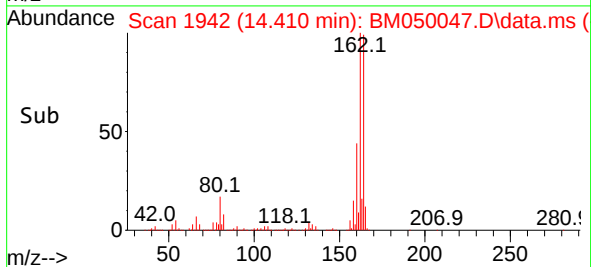
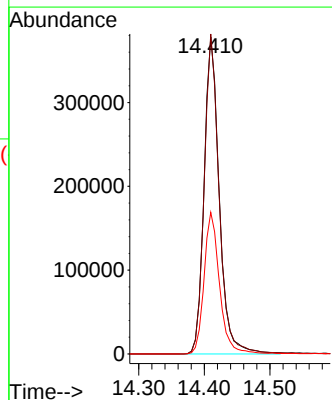
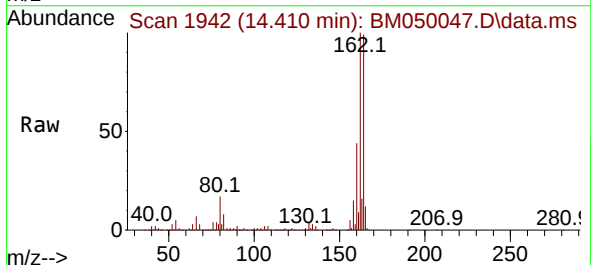
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

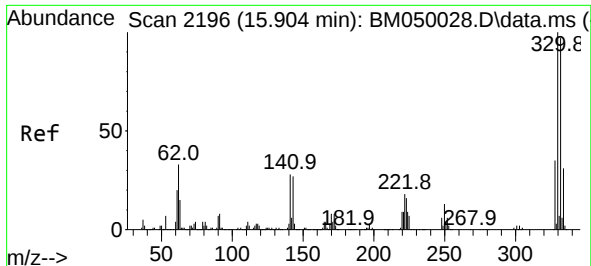
Tgt Ion: 82 Resp: 849698
Ion Ratio Lower Upper
82 100
128 43.0 35.7 53.5
54 45.4 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion: 164 Resp: 611222
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.0
160 44.7 36.2 54.4

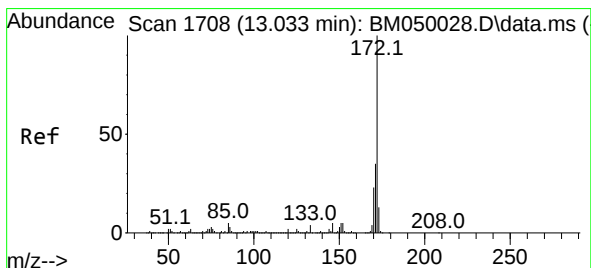
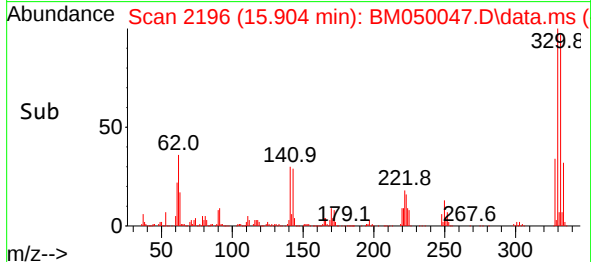
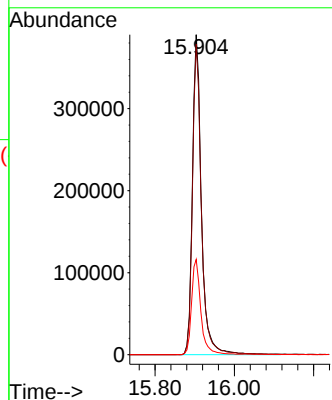
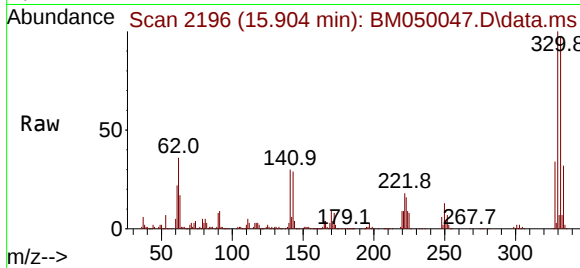




#42
2,4,6-Tribromophenol
Concen: 68.393 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

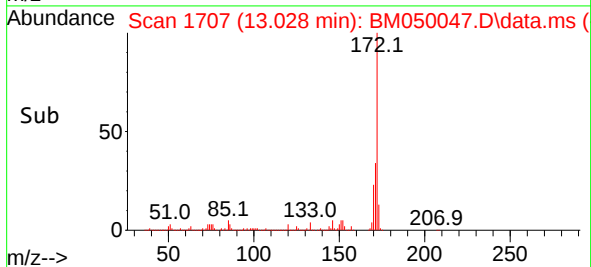
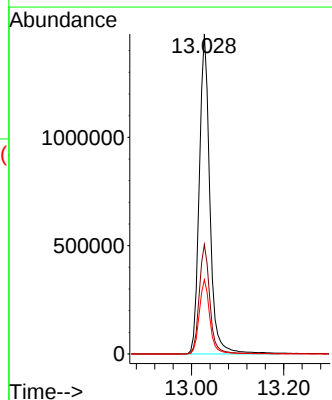
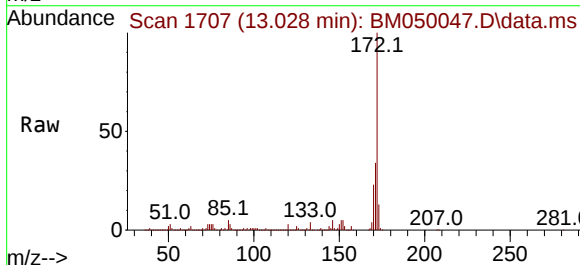
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

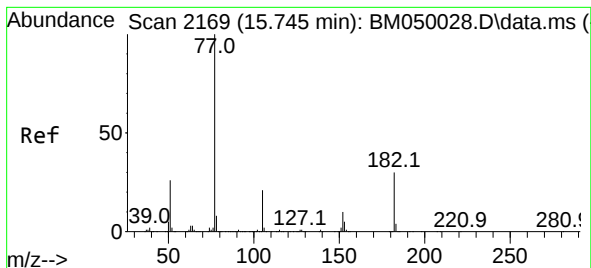
Tgt Ion:330 Resp: 618120
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 30.8 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 45.561 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:172 Resp: 2354019
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.2 18.6 28.0





#63

Azobenzene

Concen: 6.595 ng

RT: 15.769 min Scan# 2169

Delta R.T. 0.024 min

Lab File: BM050047.D

Acq: 30 Apr 2025 16:04

Instrument :

BNA_M

ClientSampleId :

OU4-PCS-TC-30-042325

Tgt Ion: 77 Resp: 232633

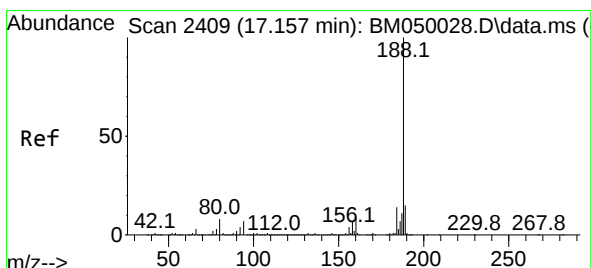
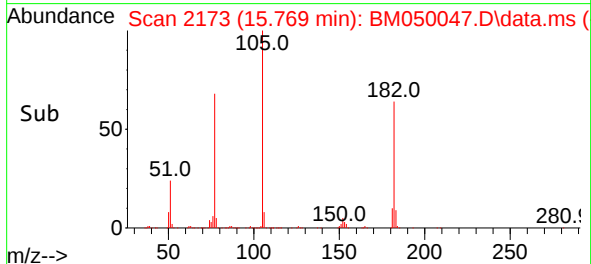
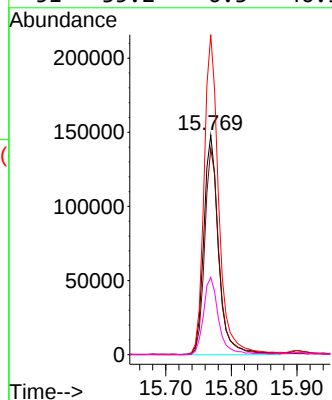
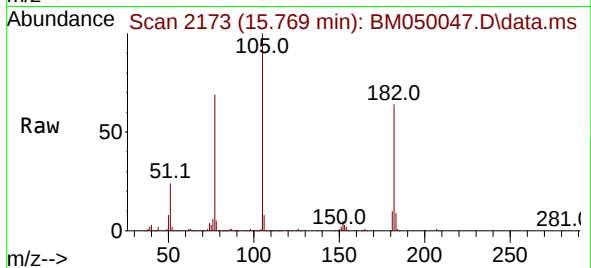
Ion Ratio Lower Upper

77 100

182 93.9 10.5 50.5#

105 145.7 1.1 41.1#

51 35.2 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BM050047.D

Acq: 30 Apr 2025 16:04

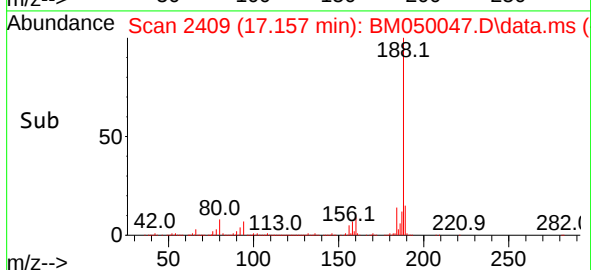
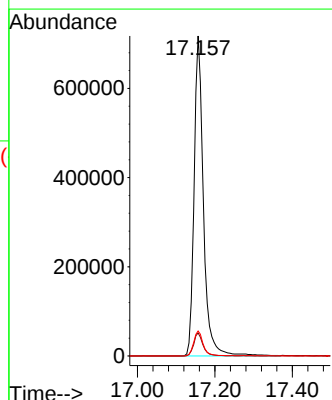
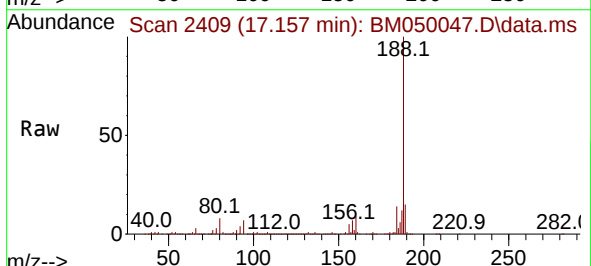
Tgt Ion:188 Resp: 1203959

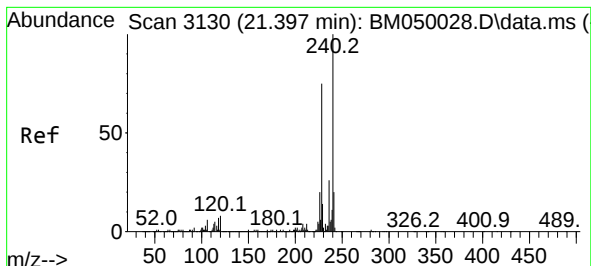
Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 7.8 6.2 9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 31

Delta R.T. 0.001 min

Lab File: BM050047.D

Acq: 30 Apr 2025 16:04

Instrument :

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ClientSampleId :

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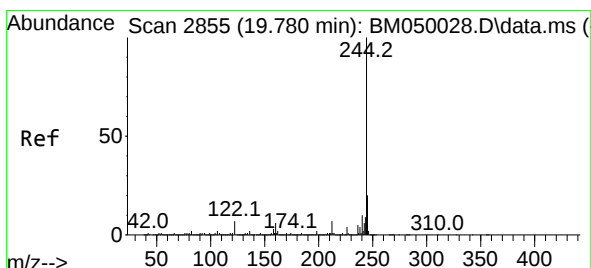
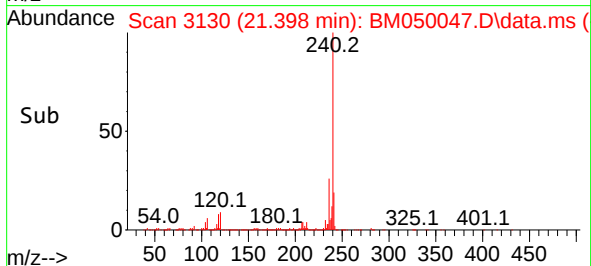
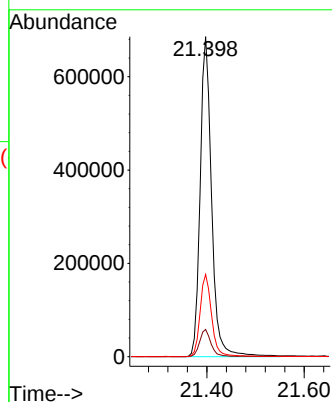
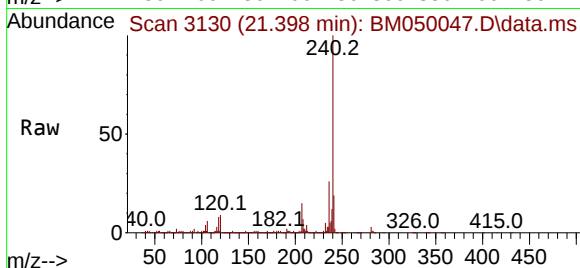
Tgt Ion:240 Resp: 1120360

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 25.7 20.9 31.3



#79

Terphenyl-d14

Concen: 52.474 ng

RT: 19.780 min Scan# 2855

Delta R.T. 0.000 min

Lab File: BM050047.D

Acq: 30 Apr 2025 16:04

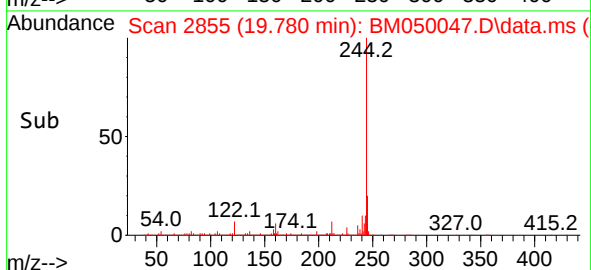
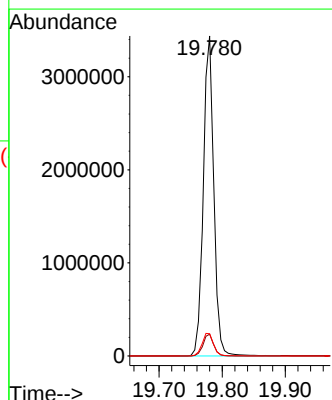
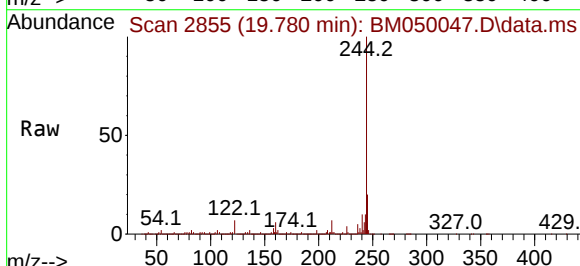
Tgt Ion:244 Resp: 3973012

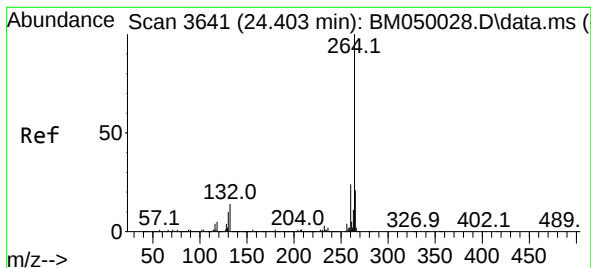
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 7.0 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM050047.D

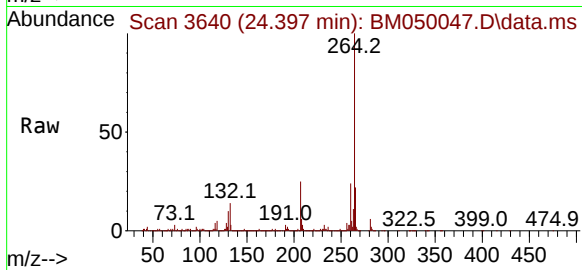
Acq: 30 Apr 2025 16:04

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Tgt Ion:264 Resp: 1185639

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.0 17.0 25.4

