

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
 Data File : BM050049.D
 Acq On : 30 Apr 2025 17:23
 Operator : RC/JU
 Sample : Q1889-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

Quant Time: Apr 30 17:58:40 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)

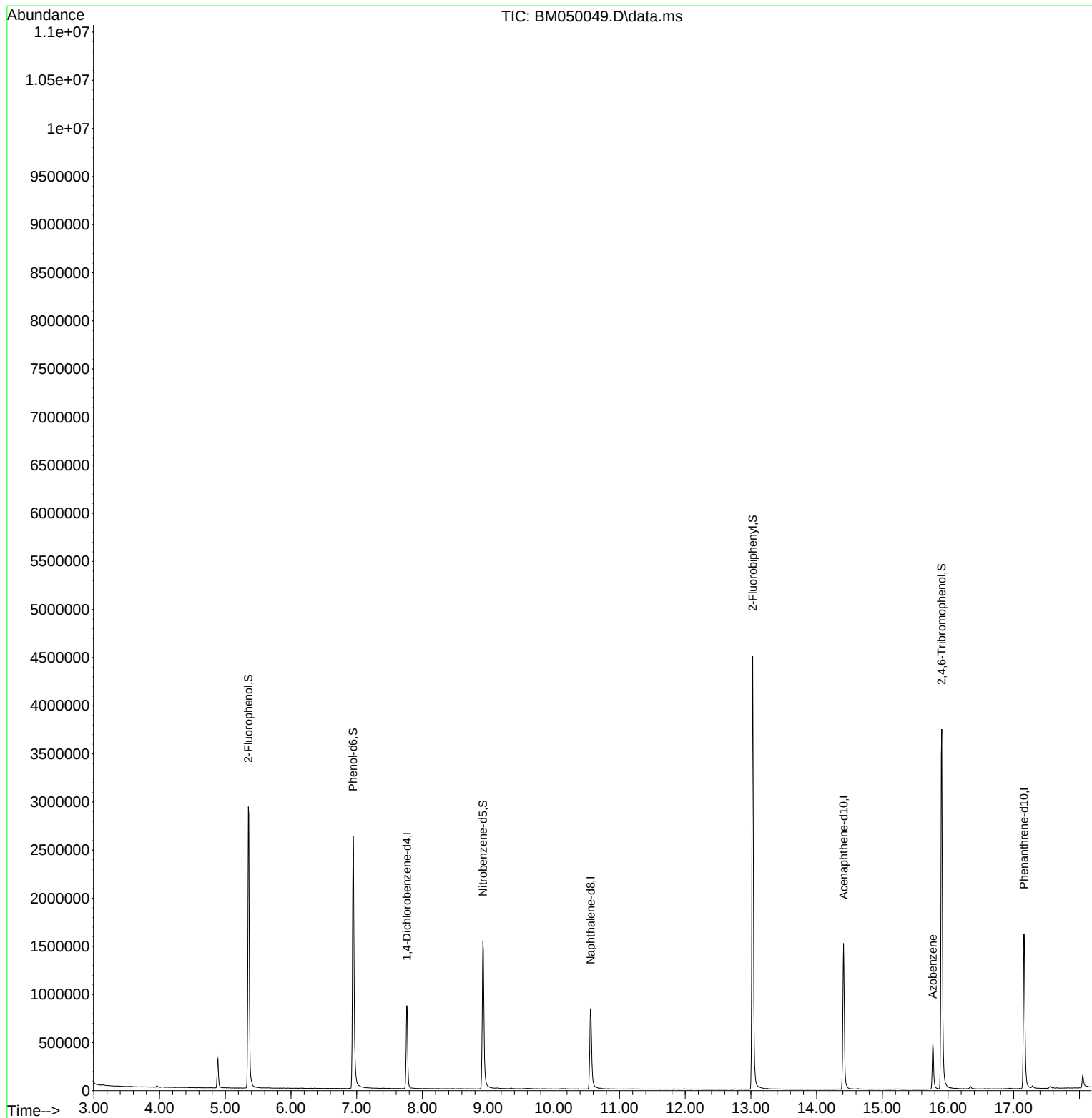
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	252068	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	894770	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	606447	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1171426	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1105914	20.000	ng	0.00
86) Perylene-d12	24.397	264	1173847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1371063	95.245	ng	0.00
7) Phenol-d6	6.946	99	1732188	95.739	ng	0.00
23) Nitrobenzene-d5	8.922	82	1037353	57.129	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	829360	92.489	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2660312	51.894	ng	0.00
79) Terphenyl-d14	19.780	244	4448897	59.527	ng	0.00
Target Compounds						
63) Azobenzene	15.769	77	155831	4.452	ng	Qvalue # 1

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

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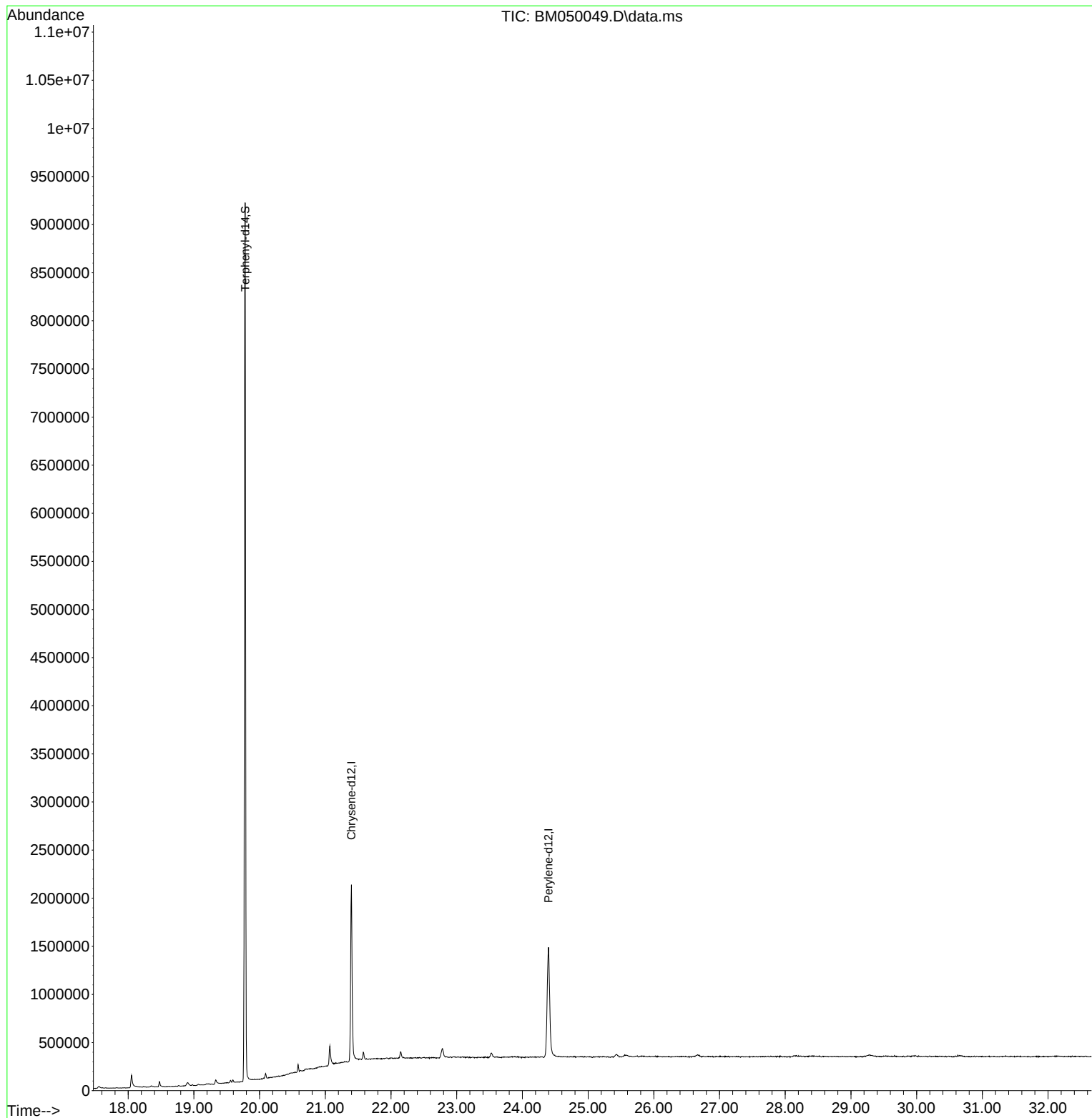
Quant Time: Apr 30 17:58:40 2025
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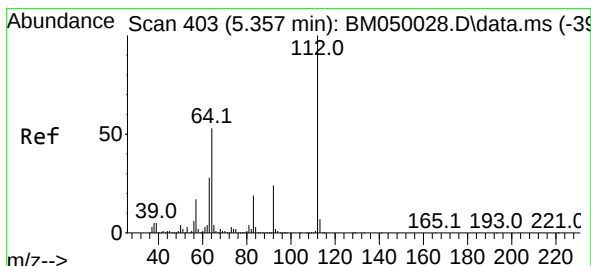
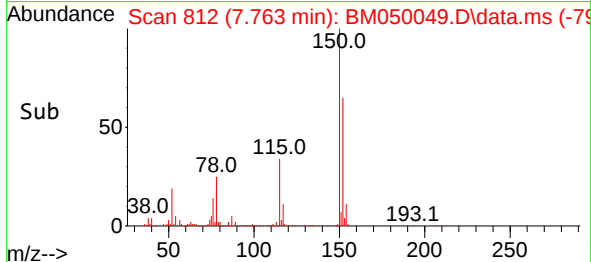
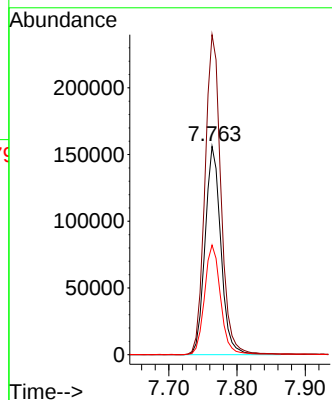
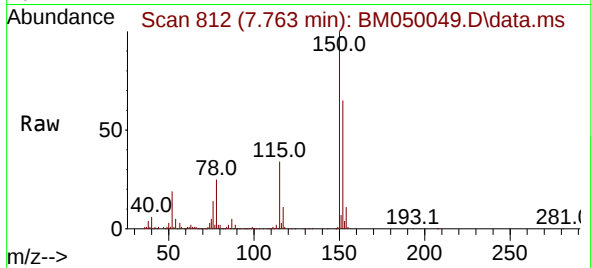




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

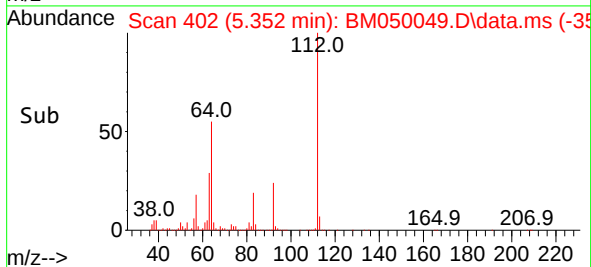
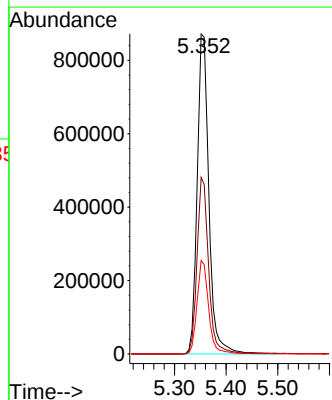
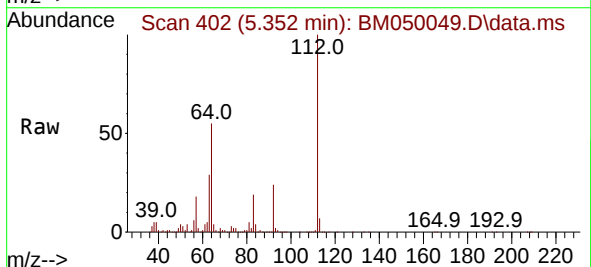
Instrument :
BNA_M
ClientSampleId :
COMP-2

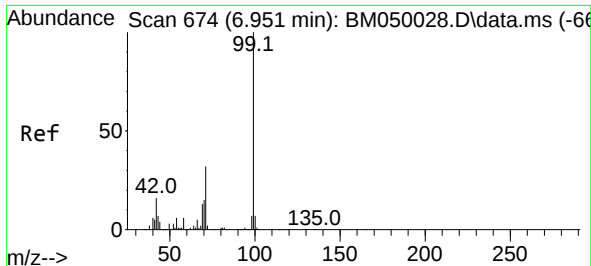
Tgt Ion:152 Resp: 252068
Ion Ratio Lower Upper
152 100
150 153.6 124.1 186.1
115 52.6 41.2 61.8



#5
2-Fluorophenol
Concen: 95.245 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

Tgt Ion:112 Resp: 1371063
Ion Ratio Lower Upper
112 100
64 55.1 42.6 64.0
63 29.2 22.2 33.4

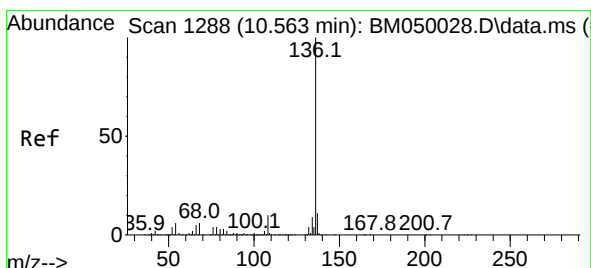
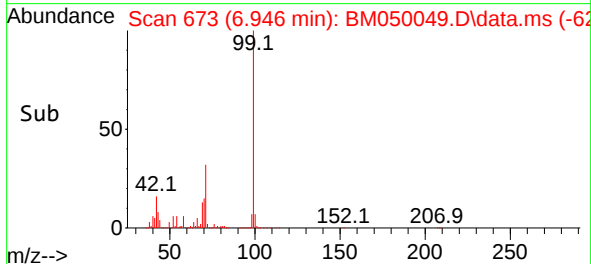
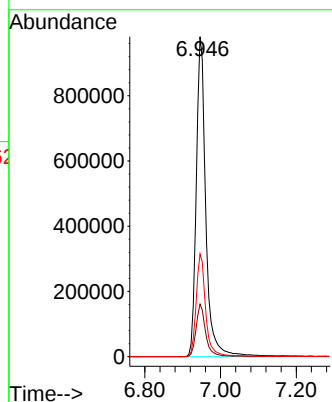
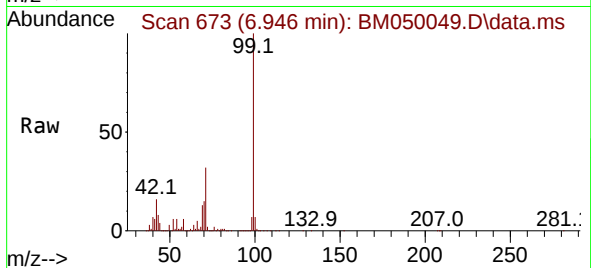




#7
Phenol-d6
Concen: 95.739 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

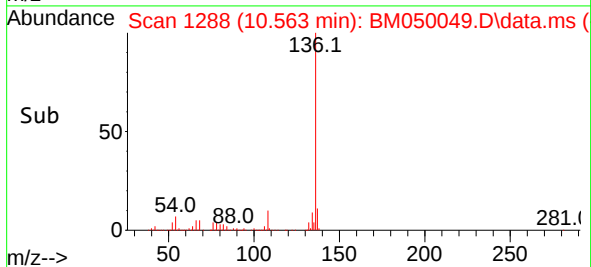
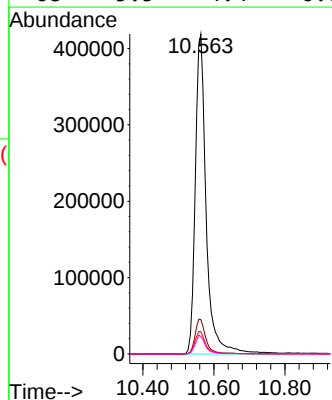
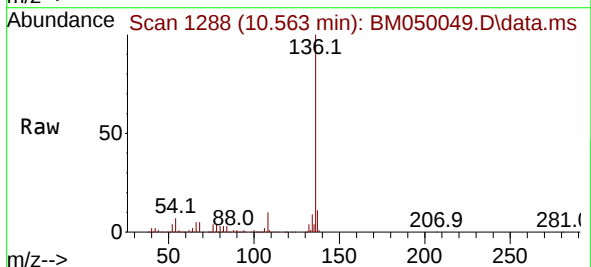
Instrument :
BNA_M
ClientSampleId :
COMP-2

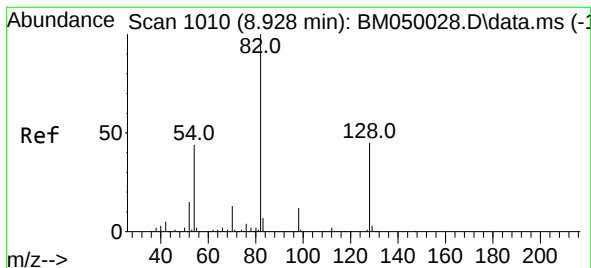
Tgt Ion: 99 Resp: 1732188
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.4
71 32.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

Tgt Ion: 136 Resp: 894770
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.0 5.1 7.7
68 5.5 4.4 6.6

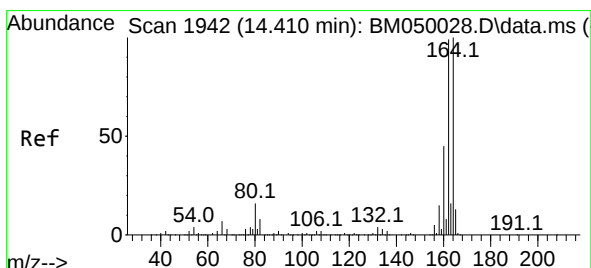
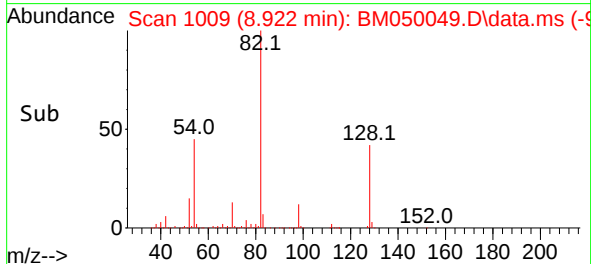
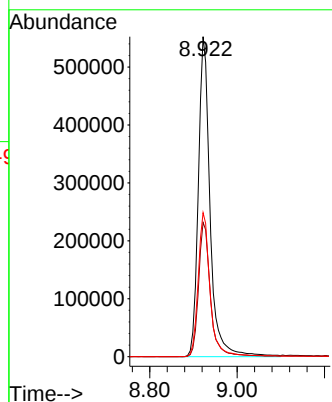
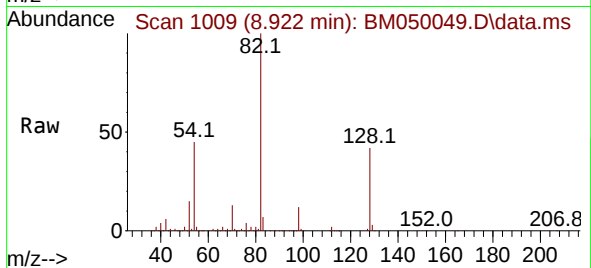




#23
Nitrobenzene-d5
Concen: 57.129 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

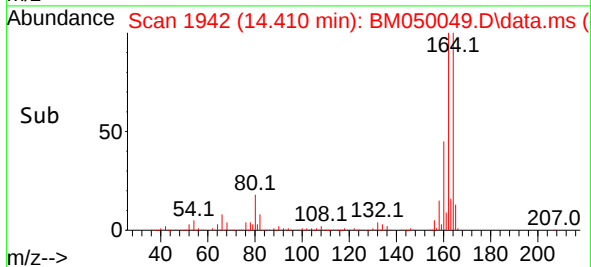
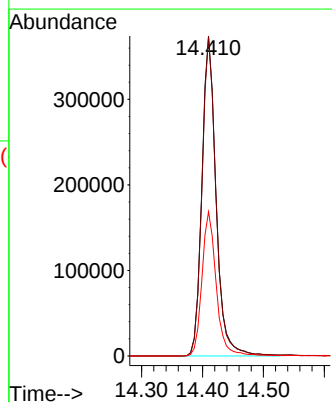
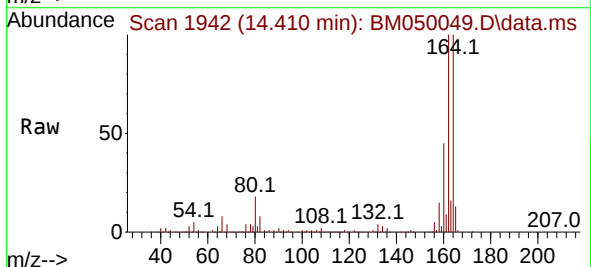
Instrument :
BNA_M
ClientSampleId :
COMP-2

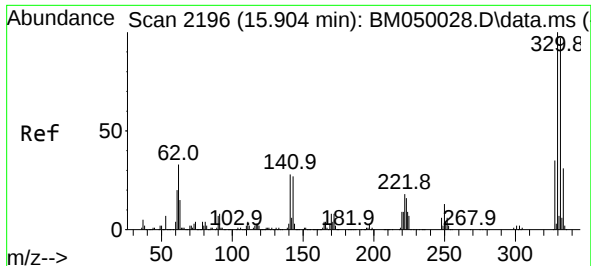
Tgt Ion: 82 Resp: 1037353
Ion Ratio Lower Upper
82 100
128 42.0 35.7 53.5
54 45.0 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050049.D
Acq: 30 Apr 2025 17:23

Tgt Ion:164 Resp: 606447
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.0
160 45.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 92.489 ng

RT: 15.904 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050049.D

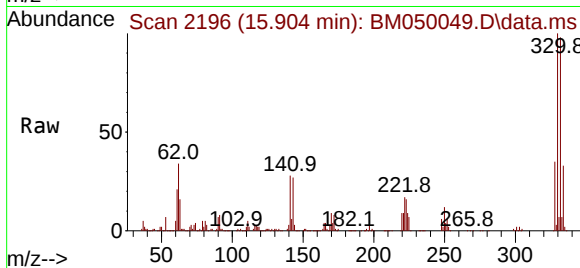
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Instrument :

BNA_M

ClientSampleId :

COMP-2



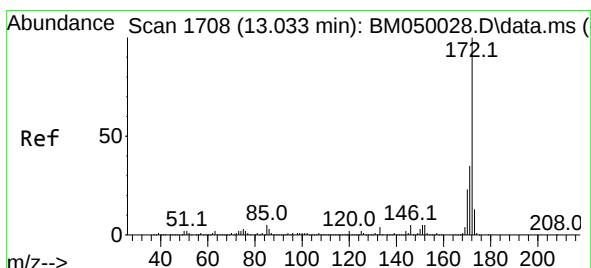
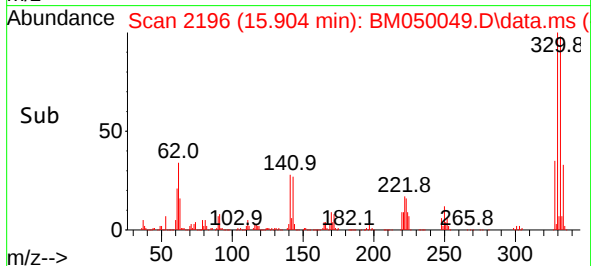
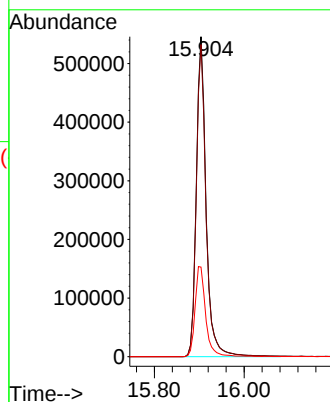
Tgt Ion:330 Resp: 829360

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 30.2 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 51.894 ng

RT: 13.028 min Scan# 1707

Delta R.T. -0.006 min

Lab File: BM050049.D

Acq: 30 Apr 2025 17:23

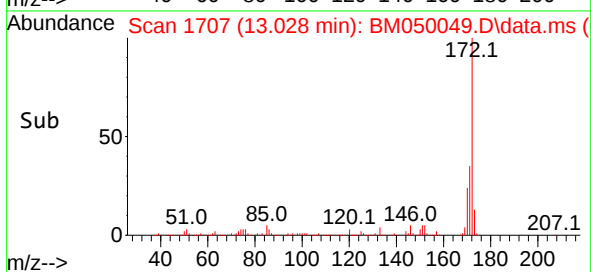
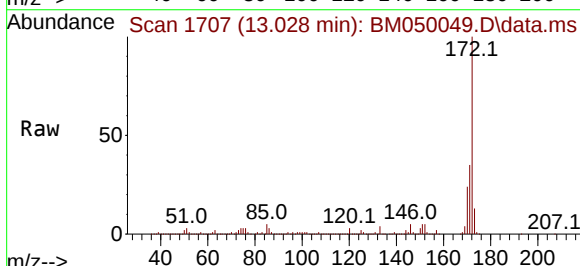
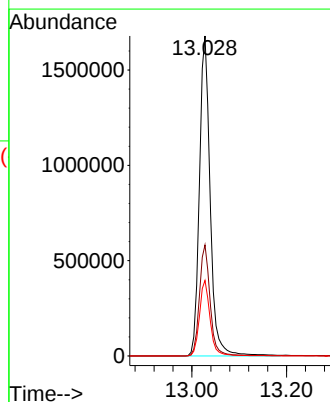
Tgt Ion:172 Resp: 2660312

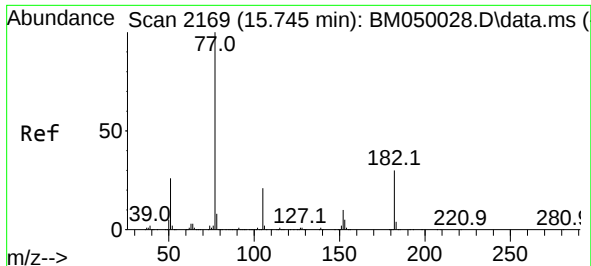
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.6 18.6 28.0

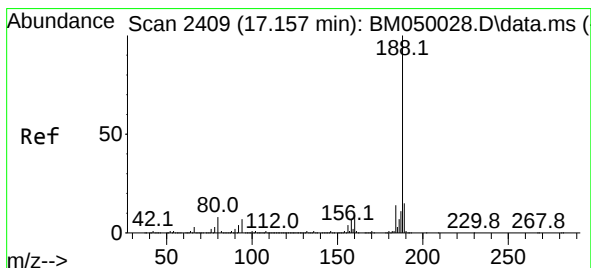
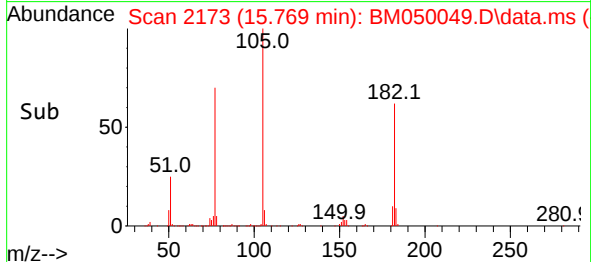
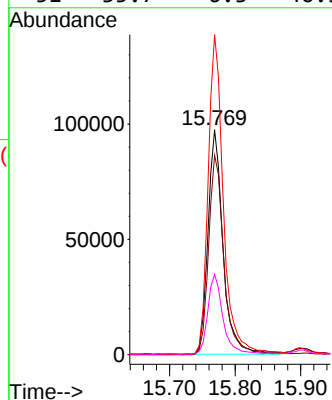
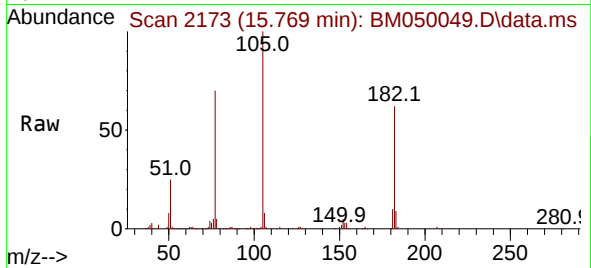




#63
 Azobenzene
 Concen: 4.452 ng
 RT: 15.769 min Scan# 2169
 Delta R.T. 0.024 min
 Lab File: BM050049.D
 Acq: 30 Apr 2025 17:23

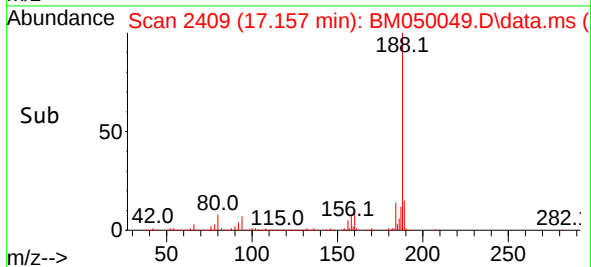
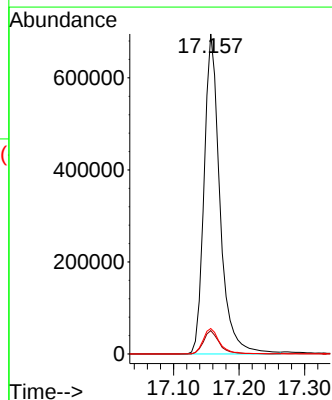
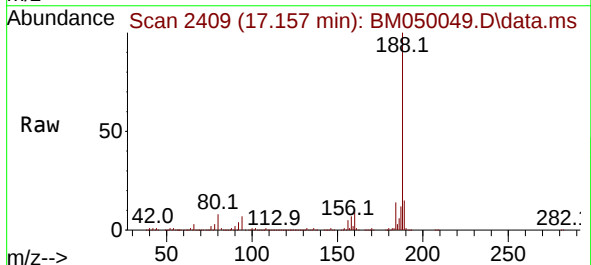
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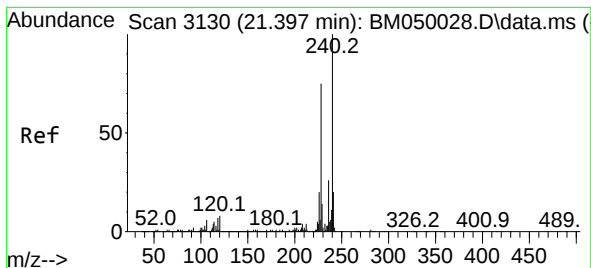
Tgt Ion: 77 Resp: 155831
 Ion Ratio Lower Upper
 77 100
 182 88.7 10.5 50.5#
 105 142.3 1.1 41.1#
 51 35.7 6.3 46.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.157 min Scan# 2409
 Delta R.T. -0.000 min
 Lab File: BM050049.D
 Acq: 30 Apr 2025 17:23

Tgt Ion: 188 Resp: 1171426
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.7 8.5
 80 8.0 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: BM050049.D

Acq: 30 Apr 2025 17:23

Instrument :

BNA_M

ClientSampleId :

COMP-2

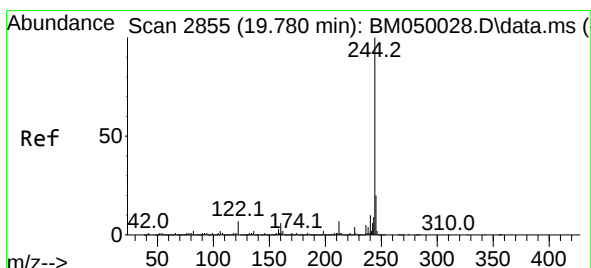
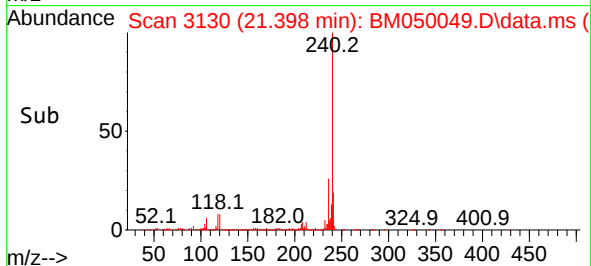
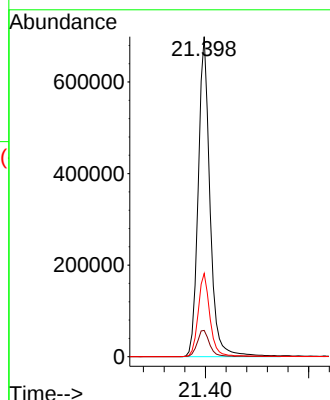
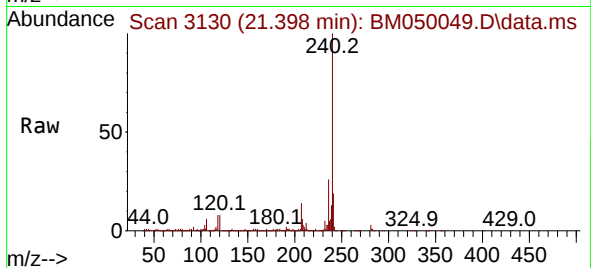
Tgt Ion:240 Resp: 1105914

Ion Ratio Lower Upper

240 100

120 8.2 6.5 9.7

236 26.0 20.9 31.3



#79

Terphenyl-d14

Concen: 59.527 ng

RT: 19.780 min Scan# 2855

Delta R.T. 0.000 min

Lab File: BM050049.D

Acq: 30 Apr 2025 17:23

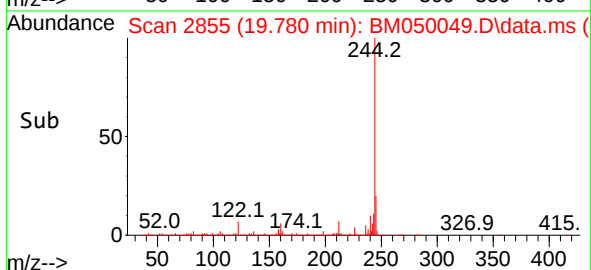
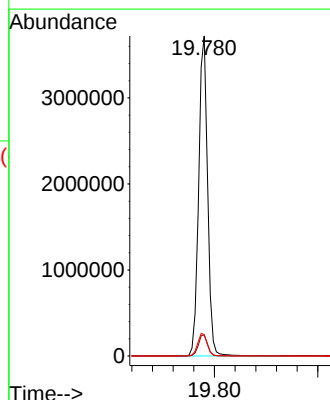
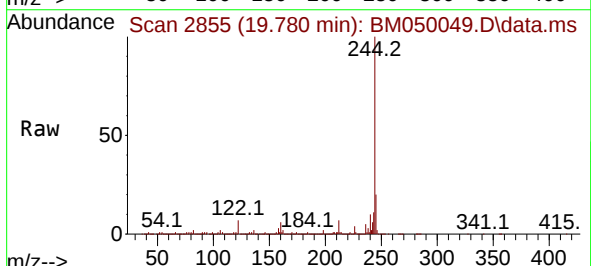
Tgt Ion:244 Resp: 4448897

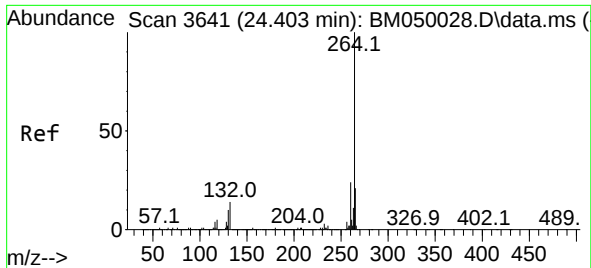
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

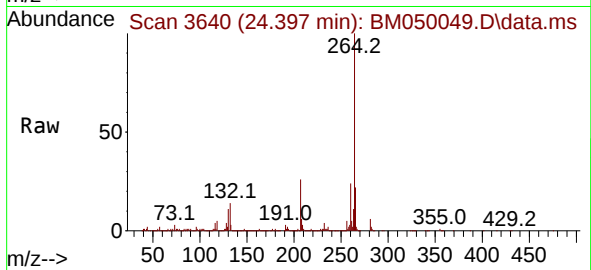
122 6.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM050049.D
 Acq: 30 Apr 2025 17:23

Instrument :
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Tgt Ion:264 Resp: 1173847
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 22.2 17.0 25.4

