

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049942.D
 Acq On : 15 Apr 2025 19:51
 Operator : RC/JU
 Sample : Q1785-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HR-02-041125

Quant Time: Apr 16 01:01:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

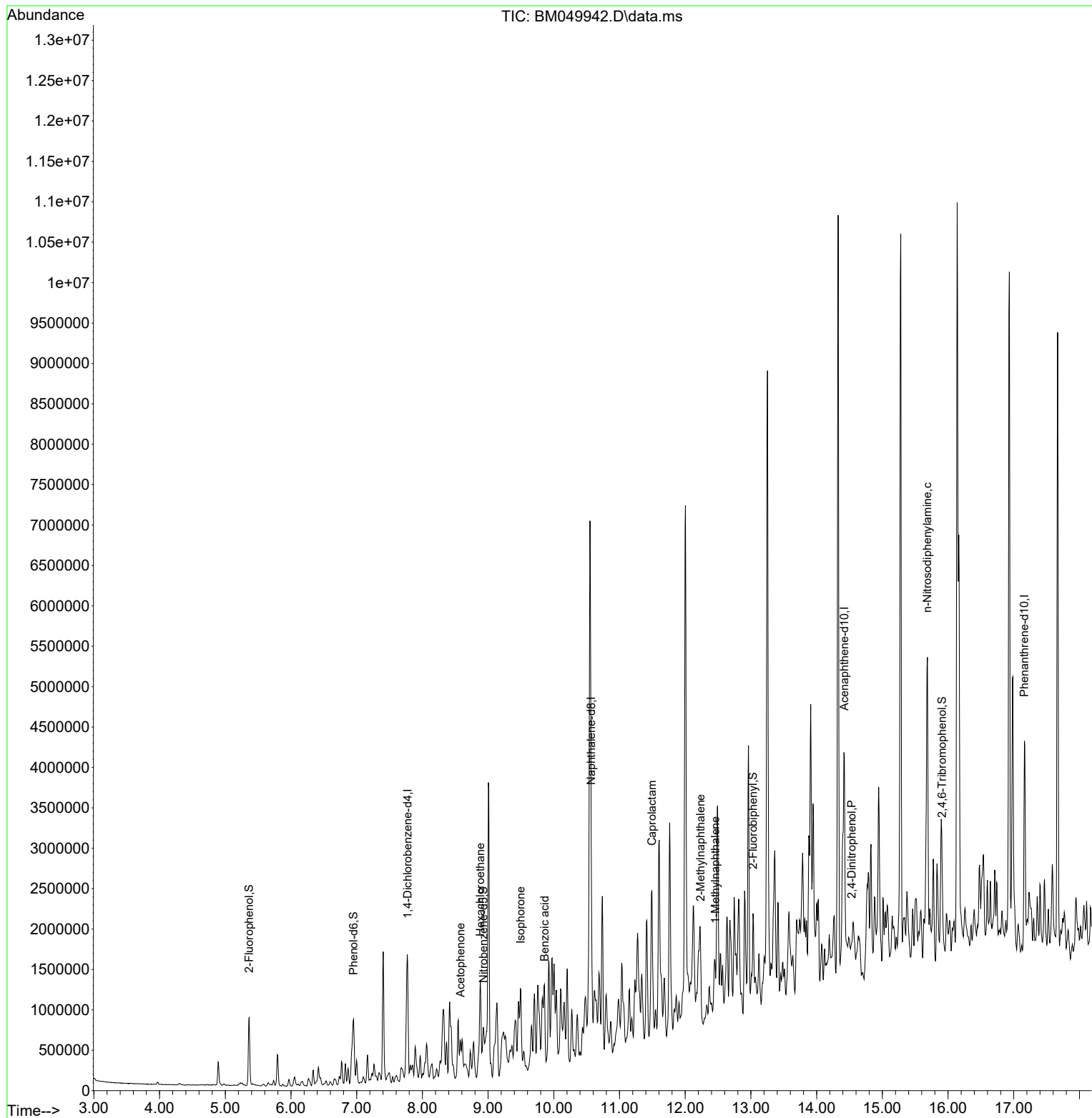
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	396601	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1259742	20.000	ng	# 0.00
39) Acenaphthene-d10	14.421	164	764332	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1452739	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1431745	20.000	ng	0.00
86) Perylene-d12	24.415	264	1605829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	382550	16.379	ng	0.00
7) Phenol-d6	6.951	99	442864	15.240	ng	0.00
23) Nitrobenzene-d5	8.928	82	296774	13.119	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	183123	16.472	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	634008	11.248	ng	-0.01
79) Terphenyl-d14	19.786	244	834576	10.924	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.881	117	94929	9.583	ng	# 1
22) Acetophenone	8.581	105	256659	8.383	ng	# 60
25) Isophorone	9.492	82	100787	2.659	ng	# 1
32) Benzoic acid	9.863	122	867	8.582	ng	# 1
35) Caprolactam	11.492	113	20531	3.291	ng	# 1
37) 2-Methylnaphthalene	12.233	142	252684	5.541	ng	95
38) 1-Methylnaphthalene	12.457	142	193681	4.359	ng	# 96
54) 2,4-Dinitrophenol	14.533	184	789	7.312	ng	# 1
66) n-Nitrosodiphenylamine	15.686	169	120364	2.769	ng	# 58

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

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Instrument :
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ClientSampleId :
HR-02-041125

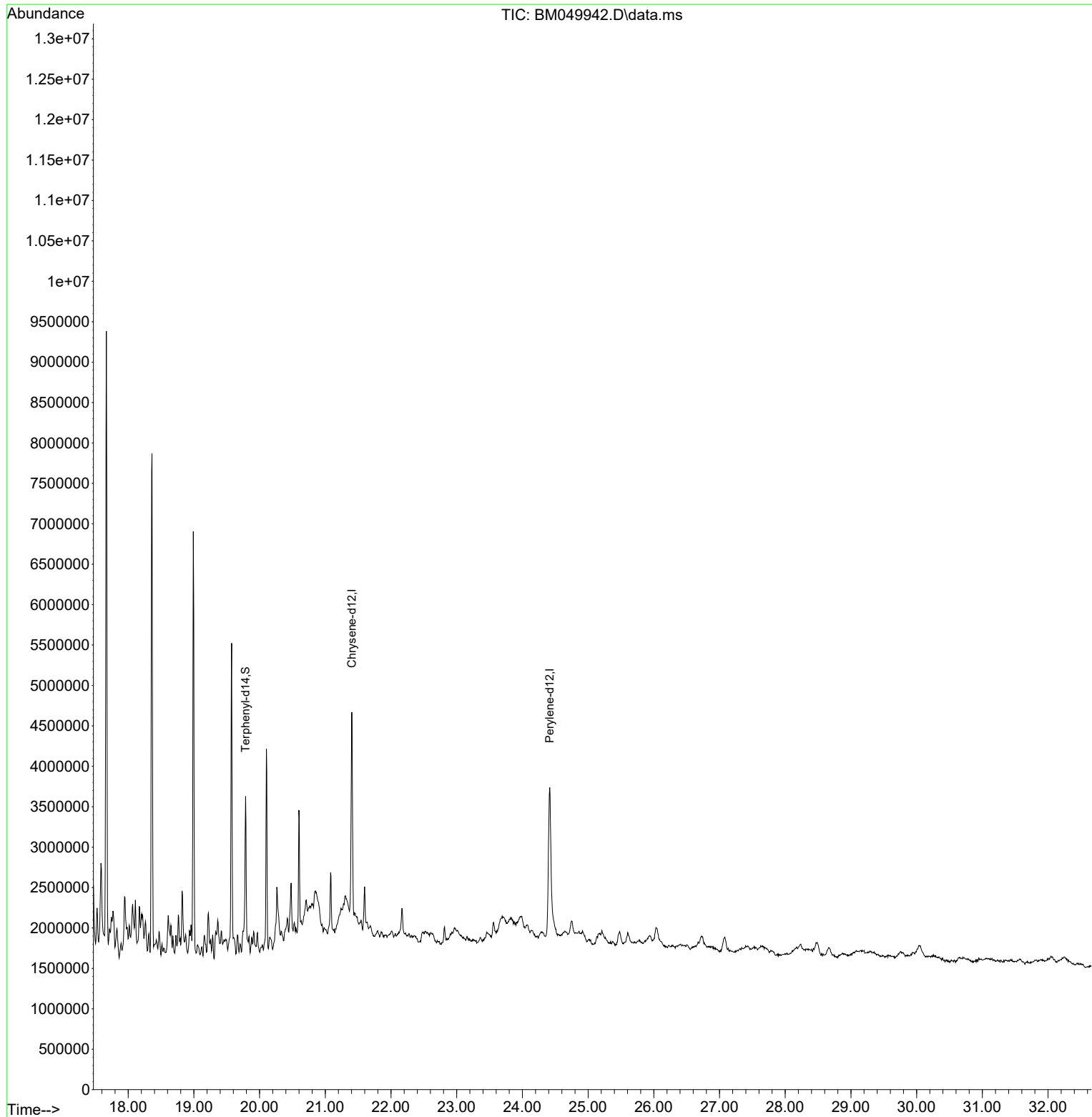
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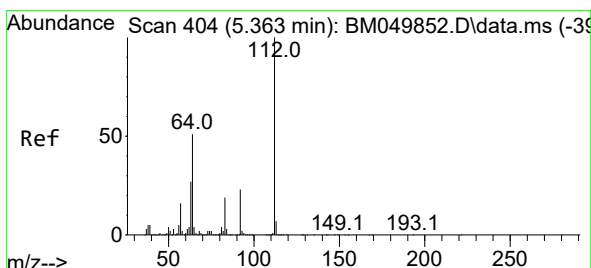
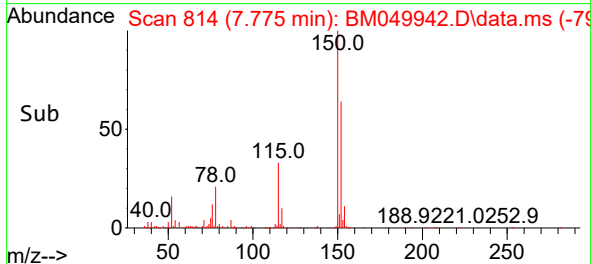
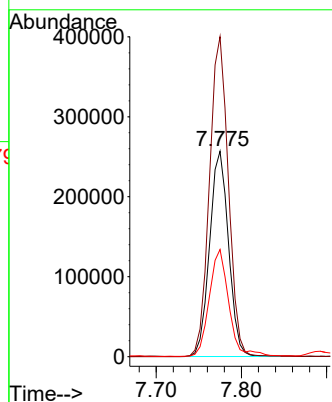
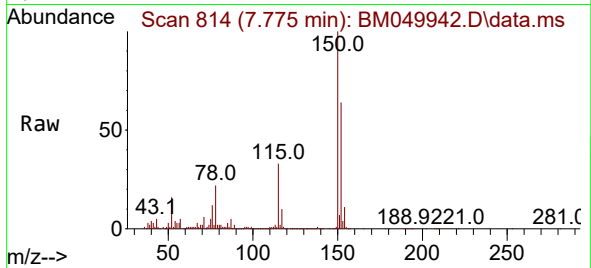




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

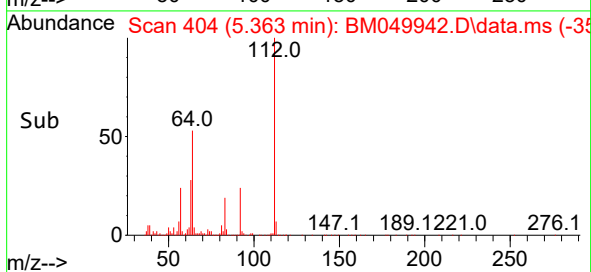
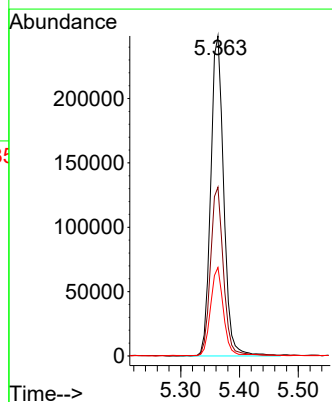
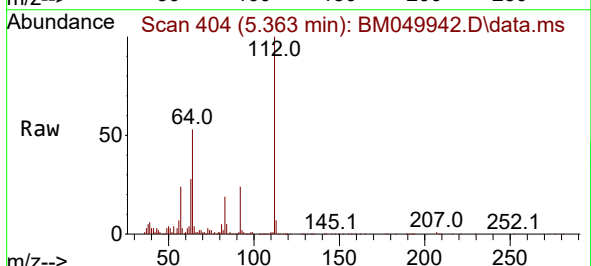
Instrument :
BNA_M
ClientSampleId :
HR-02-041125

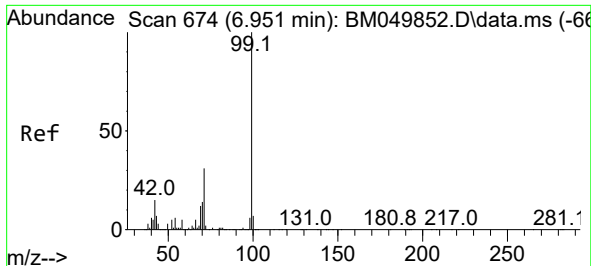
Tgt Ion:152 Resp: 396601
Ion Ratio Lower Upper
152 100
150 155.8 124.3 186.5
115 52.2 41.1 61.7



#5
2-Fluorophenol
Concen: 16.379 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion:112 Resp: 382550
Ion Ratio Lower Upper
112 100
64 52.7 41.0 61.6
63 27.6 21.5 32.3

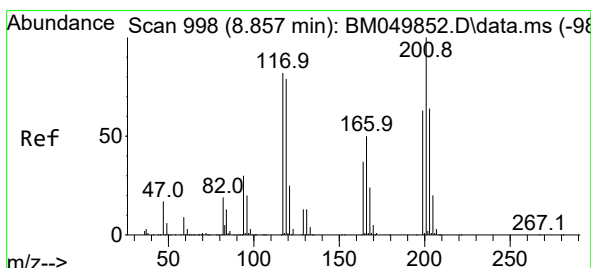
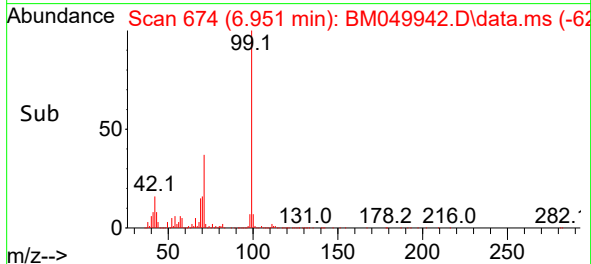
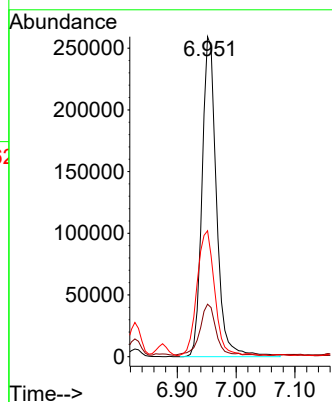
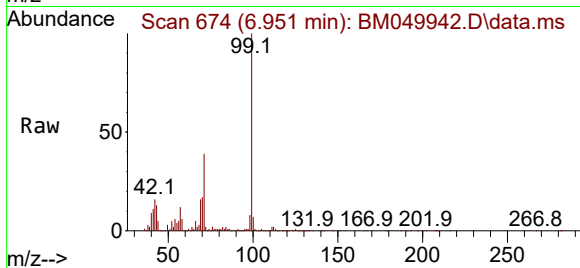




#7
Phenol-d6
Concen: 15.240 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

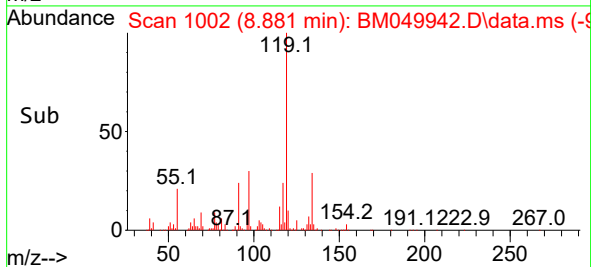
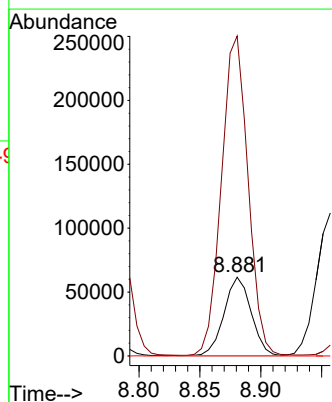
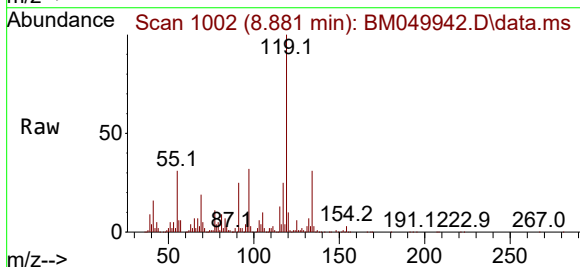
Instrument :
BNA_M
ClientSampleId :
HR-02-041125

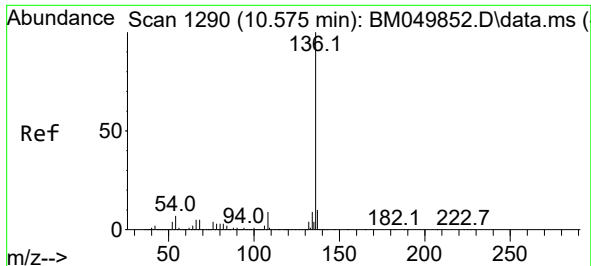
Tgt Ion: 99 Resp: 442864
Ion Ratio Lower Upper
99 100
42 16.4 12.1 18.1
71 39.3 24.9 37.3#



#18
Hexachloroethane
Concen: 9.583 ng
RT: 8.881 min Scan# 1002
Delta R.T. 0.024 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion: 117 Resp: 94929
Ion Ratio Lower Upper
117 100
119 406.3 77.5 116.3#
201 0.0 97.7 146.5#

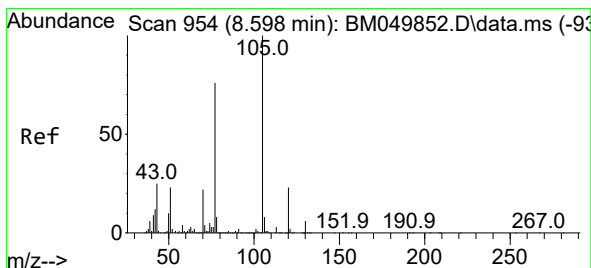
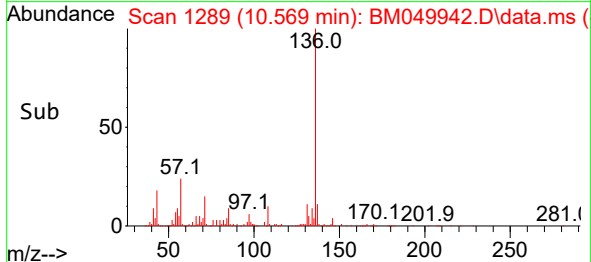
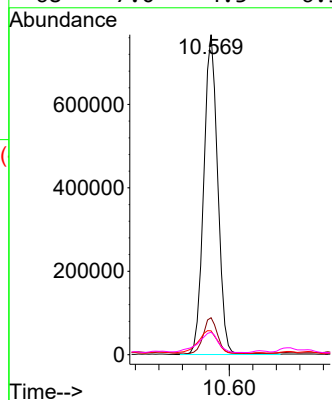
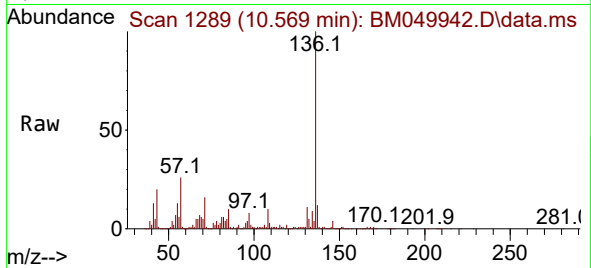




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

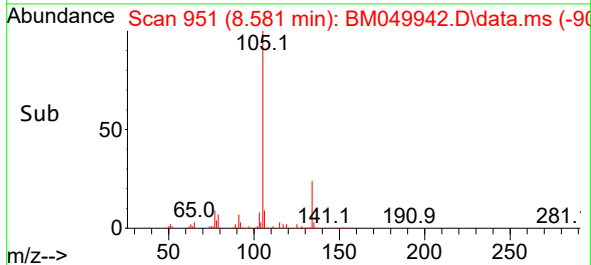
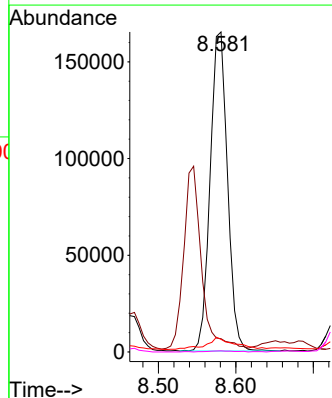
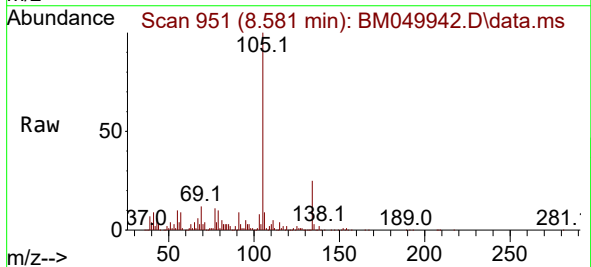
Instrument :
BNA_M
ClientSampleId :
HR-02-041125

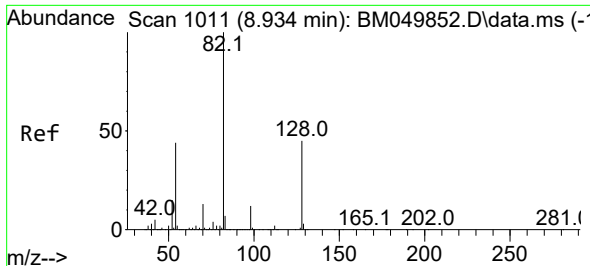
Tgt Ion:136 Resp: 1259742
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 7.5 5.3 7.9
68 7.0 4.3 6.5#



#22
Acetophenone
Concen: 8.383 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.018 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion:105 Resp: 256659
Ion Ratio Lower Upper
105 100
71 4.1 3.0 4.4
51 4.0 18.6 27.8#
120 0.3 18.5 27.7#

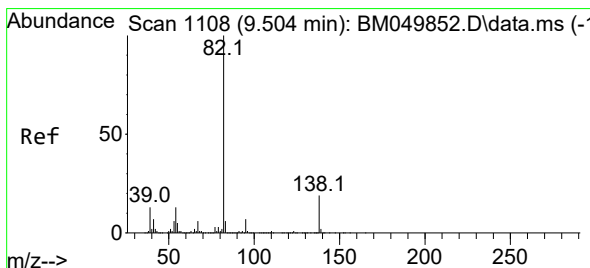
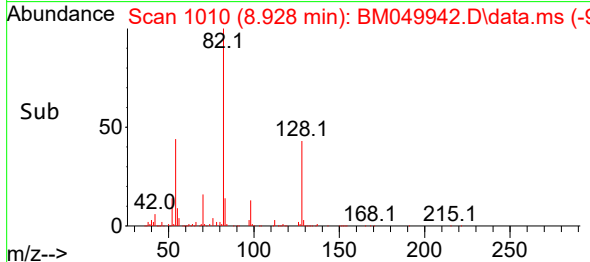
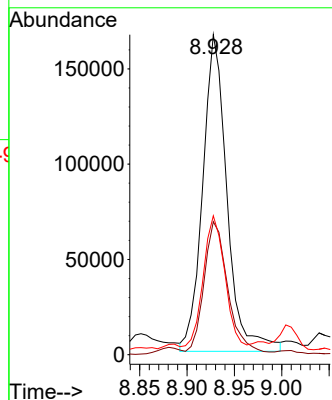
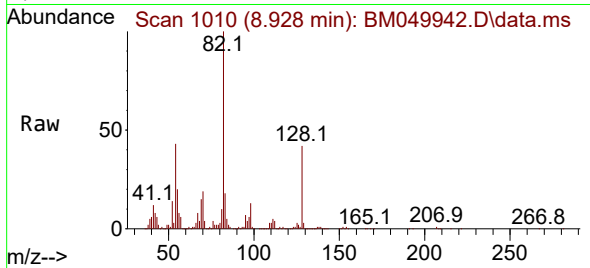




#23
Nitrobenzene-d5
Concen: 13.119 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

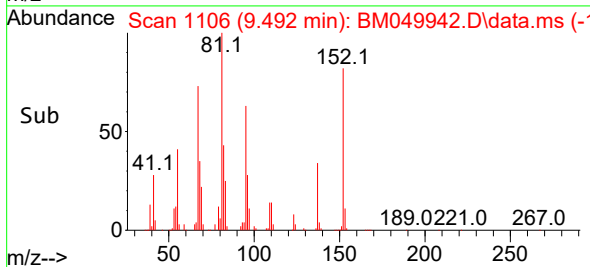
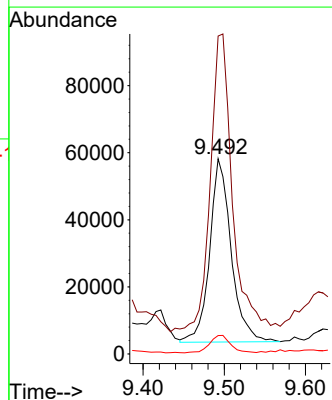
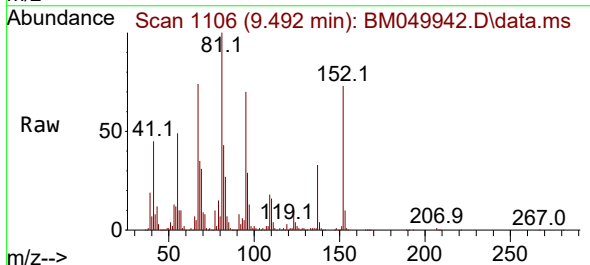
Instrument :
BNA_M
ClientSampleId :
HR-02-041125

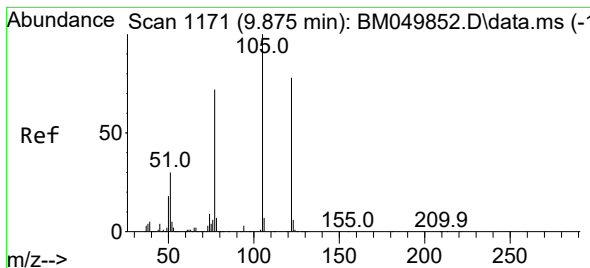
Tgt Ion: 82 Resp: 296774
Ion Ratio Lower Upper
82 100
128 41.6 36.2 54.2
54 43.4 35.0 52.6



#25
Isophorone
Concen: 2.659 ng
RT: 9.492 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion: 82 Resp: 100787
Ion Ratio Lower Upper
82 100
95 162.8 5.4 8.2#
138 9.4 15.0 22.6#





#32

Benzoic acid

Concen: 8.582 ng

RT: 9.863 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

Instrument :

BNA_M

ClientSampleId :

HR-02-041125

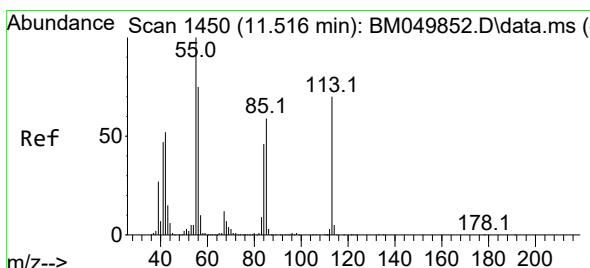
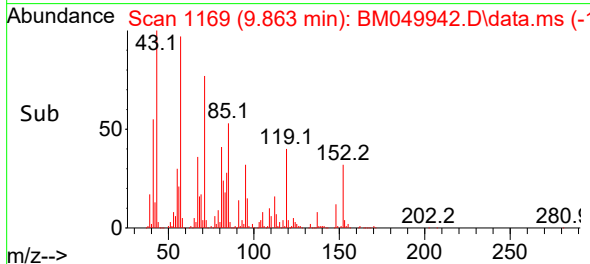
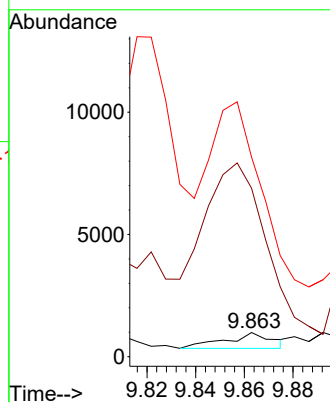
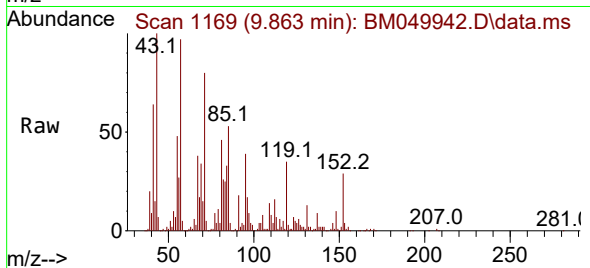
Tgt Ion:122 Resp: 867

Ion Ratio Lower Upper

122 100

105 698.5 103.8 143.8#

77 827.3 70.7 110.7#



#35

Caprolactam

Concen: 3.291 ng

RT: 11.492 min Scan# 1446

Delta R.T. -0.023 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

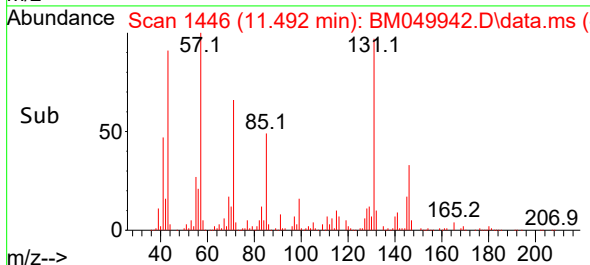
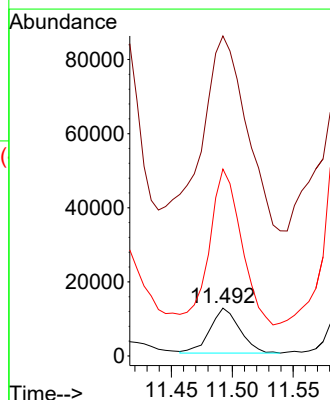
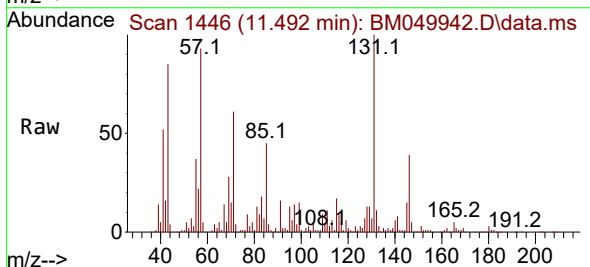
Tgt Ion:113 Resp: 20531

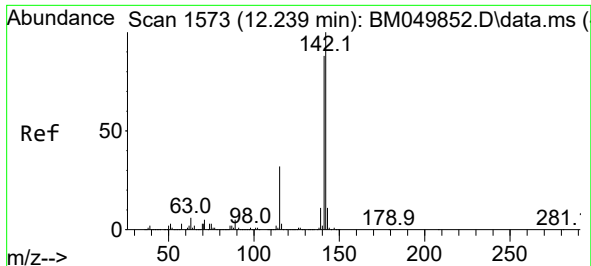
Ion Ratio Lower Upper

113 100

55 668.3 124.3 164.3#

56 390.4 87.5 127.5#

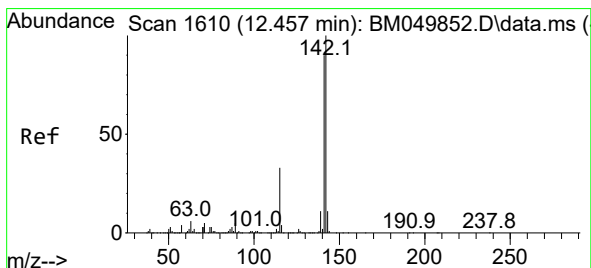
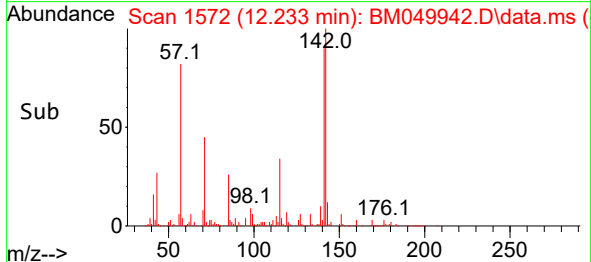
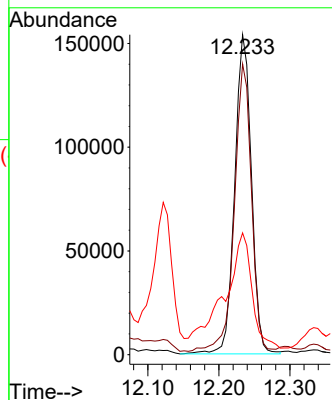
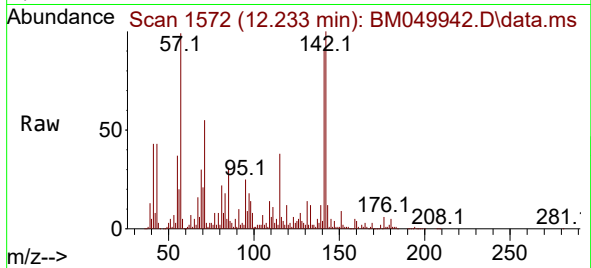




#37
2-Methylnaphthalene
Concen: 5.541 ng
RT: 12.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

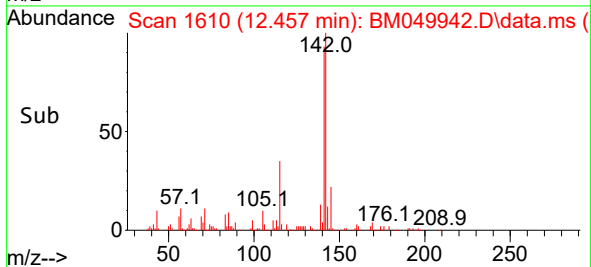
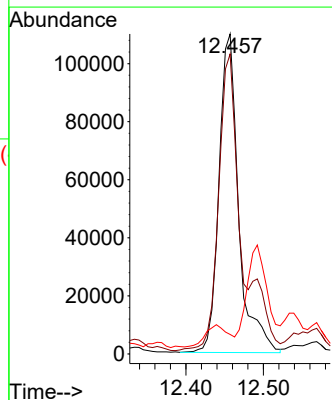
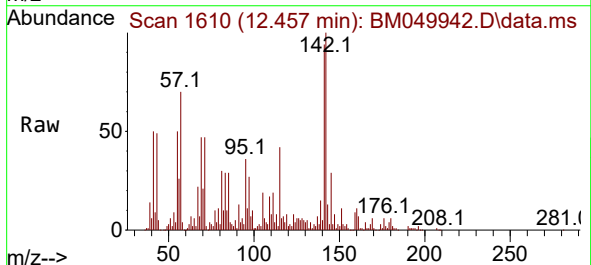
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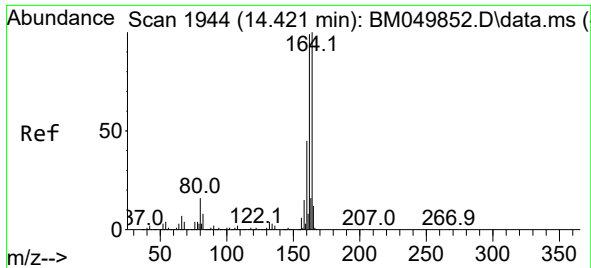
Tgt Ion:142 Resp: 252684
Ion Ratio Lower Upper
142 100
141 90.8 70.2 105.2
115 38.1 25.4 38.2



#38
1-Methylnaphthalene
Concen: 4.359 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion:142 Resp: 193681
Ion Ratio Lower Upper
142 100
141 93.7 72.2 108.2
116 6.1 2.9 4.3#

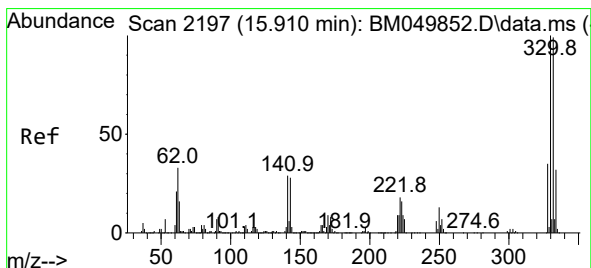
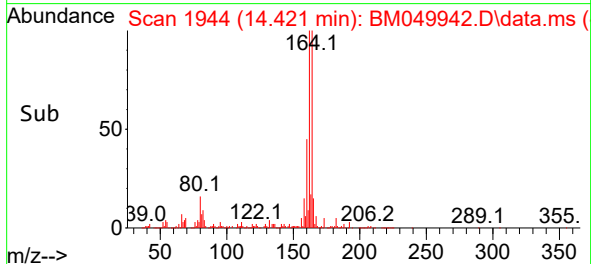
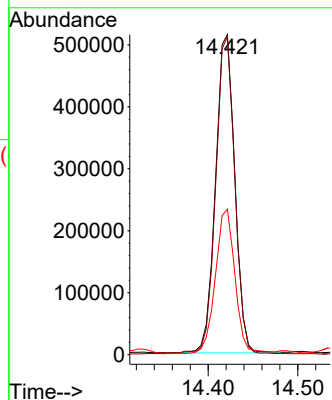
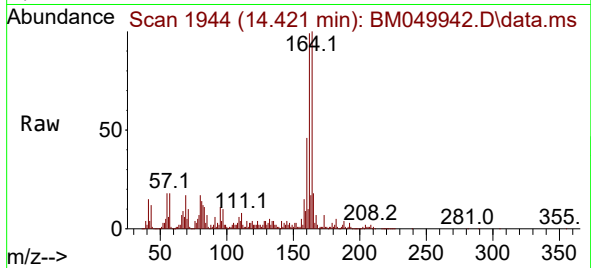




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

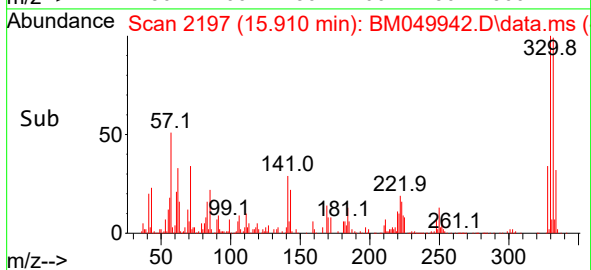
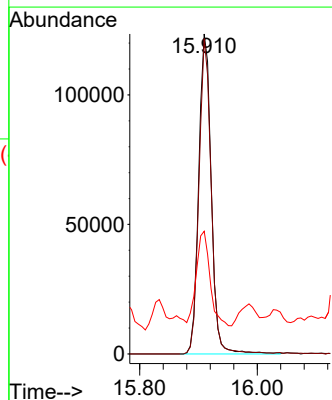
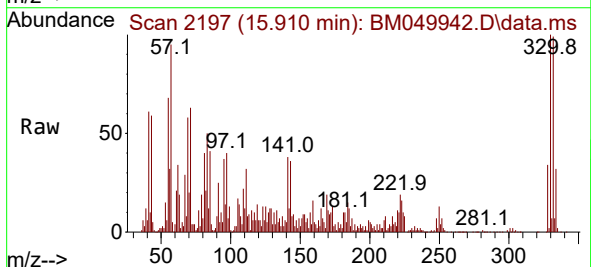
Instrument :
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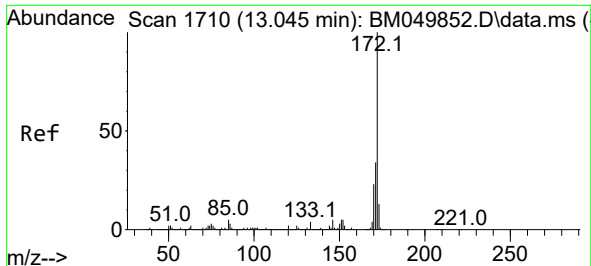
Tgt Ion:164 Resp: 764332
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 45.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 16.472 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion:330 Resp: 183123
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 31.9 23.5 35.3

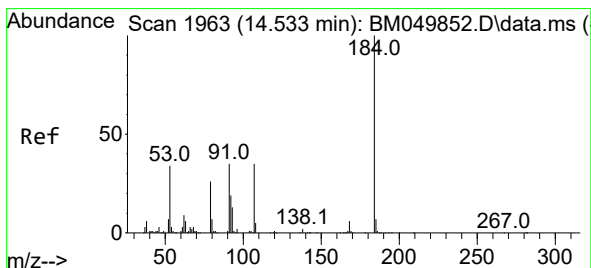
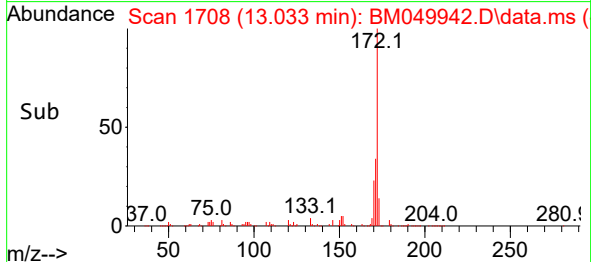
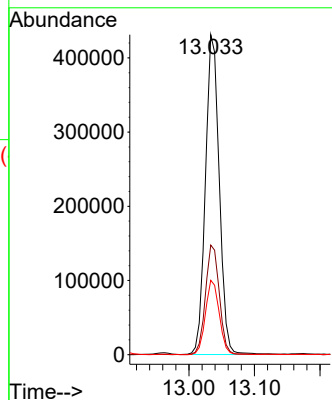
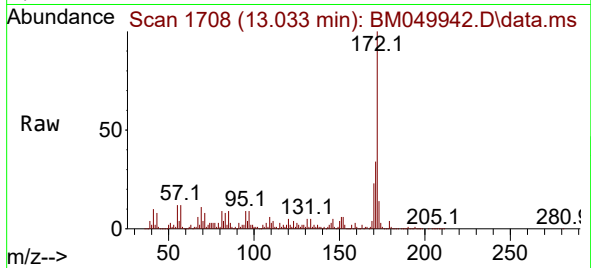




#45
2-Fluorobiphenyl
Concen: 11.248 ng
RT: 13.033 min Scan# 1710
Delta R.T. -0.012 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

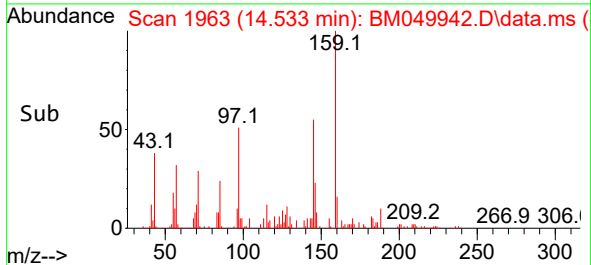
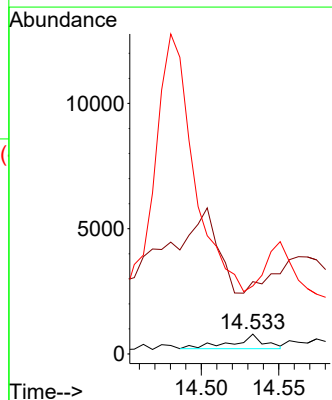
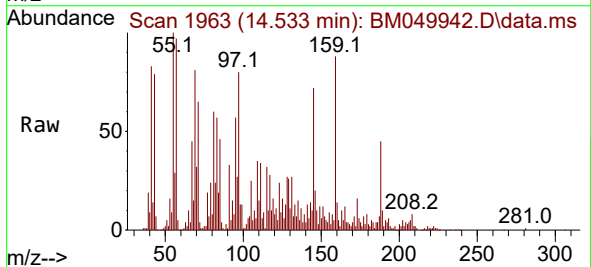
Instrument :
BNA_M
ClientSampleId :
HR-02-041125

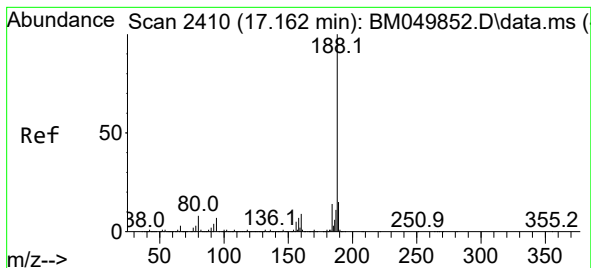
Tgt Ion:172 Resp: 634008
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.2
170 23.2 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 7.312 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049942.D
Acq: 15 Apr 2025 19:51

Tgt Ion:184 Resp: 789
Ion Ratio Lower Upper
184 100
63 364.9 38.4 57.6#
154 343.5 48.1 72.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

Instrument :

BNA_M

ClientSampleId :

HR-02-041125

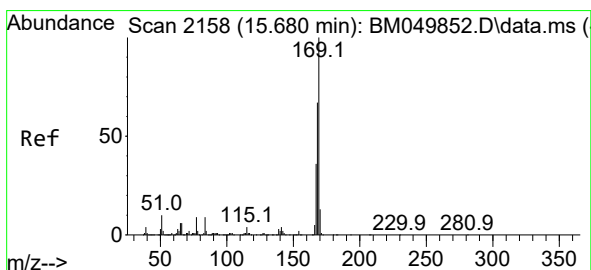
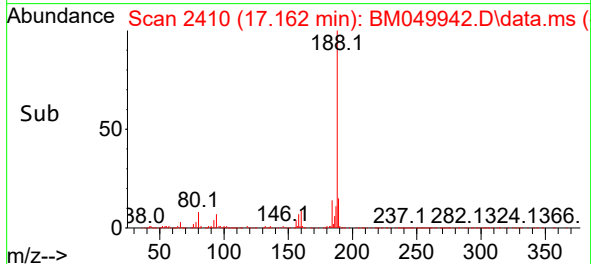
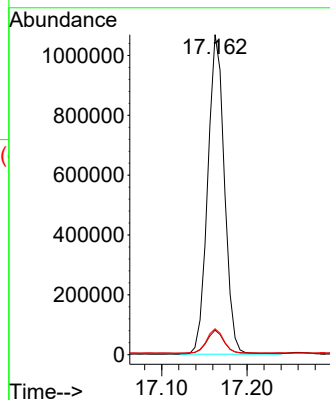
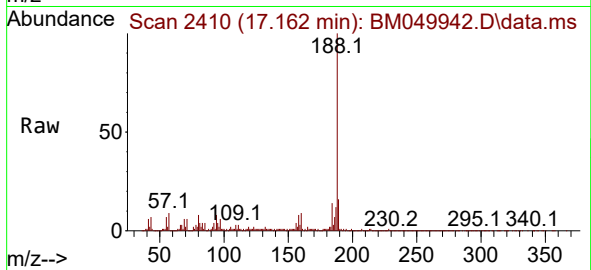
Tgt Ion:188 Resp: 1452739

Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.6

80 8.1 6.4 9.6



#66

n-Nitrosodiphenylamine

Concen: 2.769 ng

RT: 15.686 min Scan# 2159

Delta R.T. 0.006 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

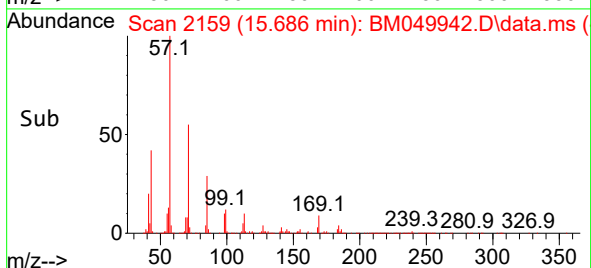
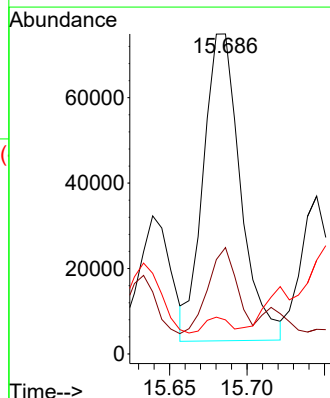
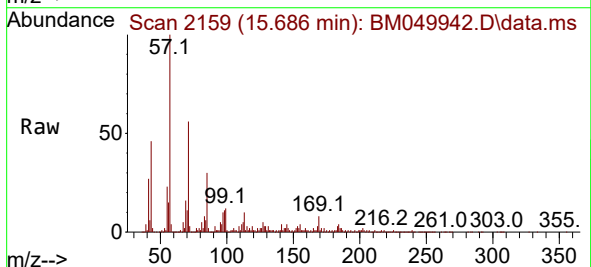
Tgt Ion:169 Resp: 120364

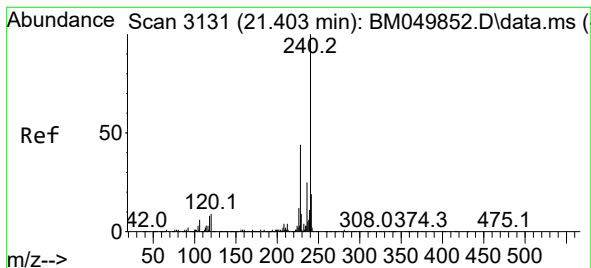
Ion Ratio Lower Upper

169 100

168 33.2 53.4 80.2#

167 10.7 29.0 43.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

Instrument :

BNA_M

ClientSampleId :

HR-02-041125

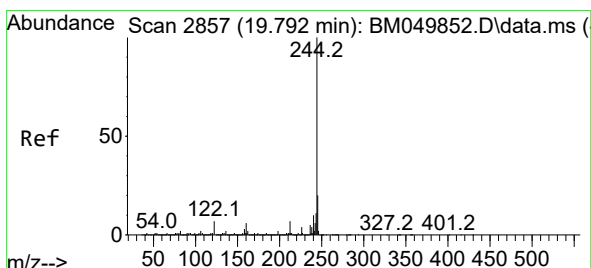
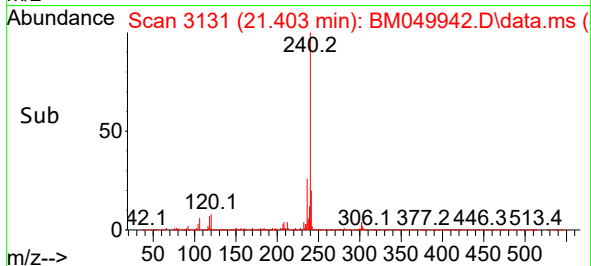
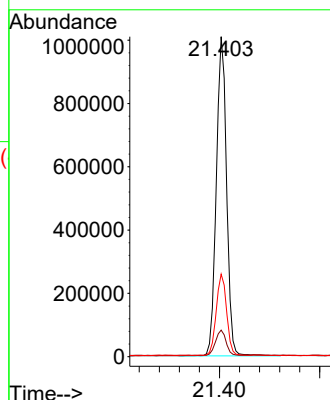
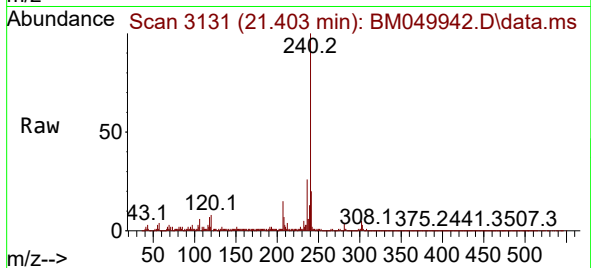
Tgt Ion:240 Resp: 1431745

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

236 25.8 20.4 30.6



#79

Terphenyl-d14

Concen: 10.924 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049942.D

Acq: 15 Apr 2025 19:51

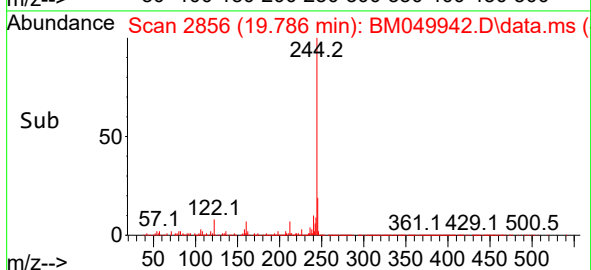
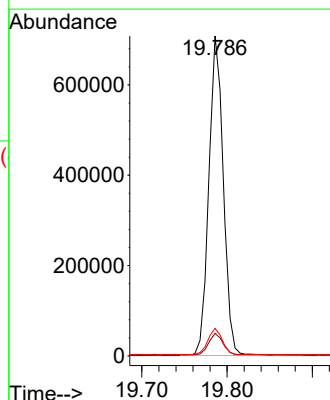
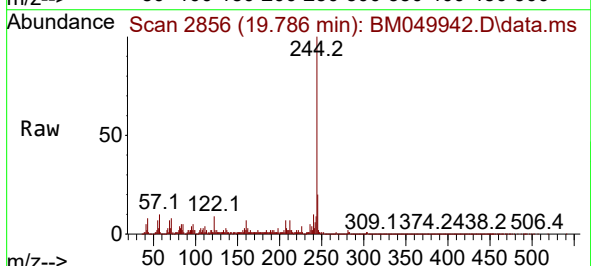
Tgt Ion:244 Resp: 834576

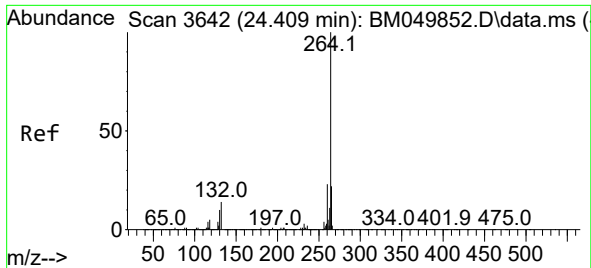
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.6 5.4 8.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.415 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BM049942.D
 Acq: 15 Apr 2025 19:51

Instrument :
 BNA_M
 ClientSampleId :
 HR-02-041125

Tgt Ion:264 Resp: 1605829
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 22.6 17.8 26.8

