

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049930.D
 Acq On : 15 Apr 2025 11:58
 Operator : RC/JU
 Sample : Q1791-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 290502

Quant Time: Apr 15 12:40:57 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)

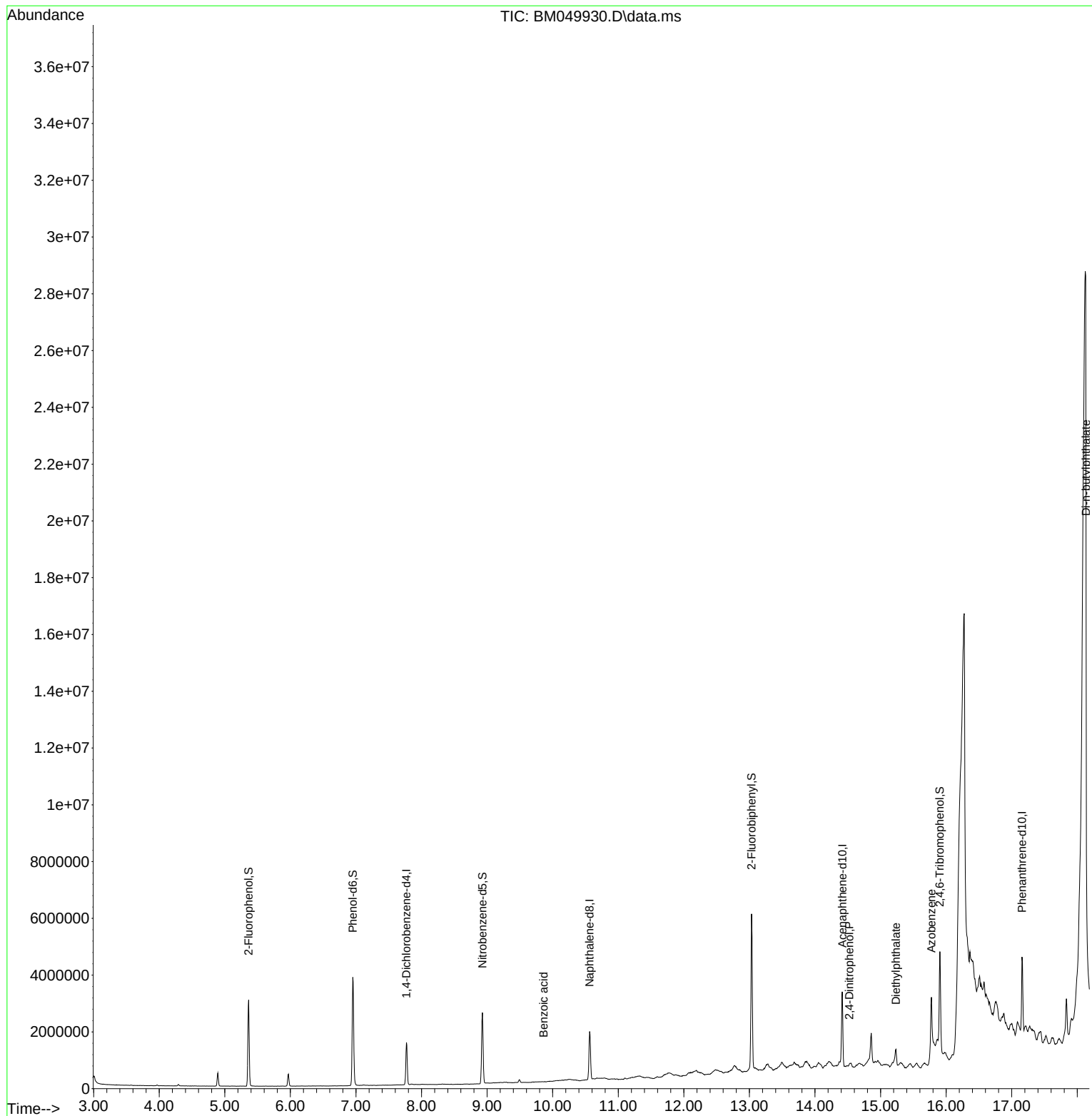
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	427616	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1465596	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	906204	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1734956	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1744730	20.000	ng	0.00
86) Perylene-d12	24.404	264	1967475	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1343409	53.347	ng	0.00
7) Phenol-d6	6.952	99	2292050	73.155	ng	0.00
23) Nitrobenzene-d5	8.928	82	1435754	54.551	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	701510	53.221	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	2810284	42.052	ng	-0.01
79) Terphenyl-d14	19.786	244	3385169	36.361	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.863	122	261	8.550	ng	# 1
54) 2,4-Dinitrophenol	14.522	184	79	7.232	ng	# 1
60) Diethylphthalate	15.234	149	474313	7.736	ng	99
63) Azobenzene	15.775	77	442202	8.425	ng	# 1
74) Di-n-butylphthalate	18.133	149	421193	4.142	ng	98
78) Pyrene	19.586	202	260750	2.169	ng	98

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

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290502

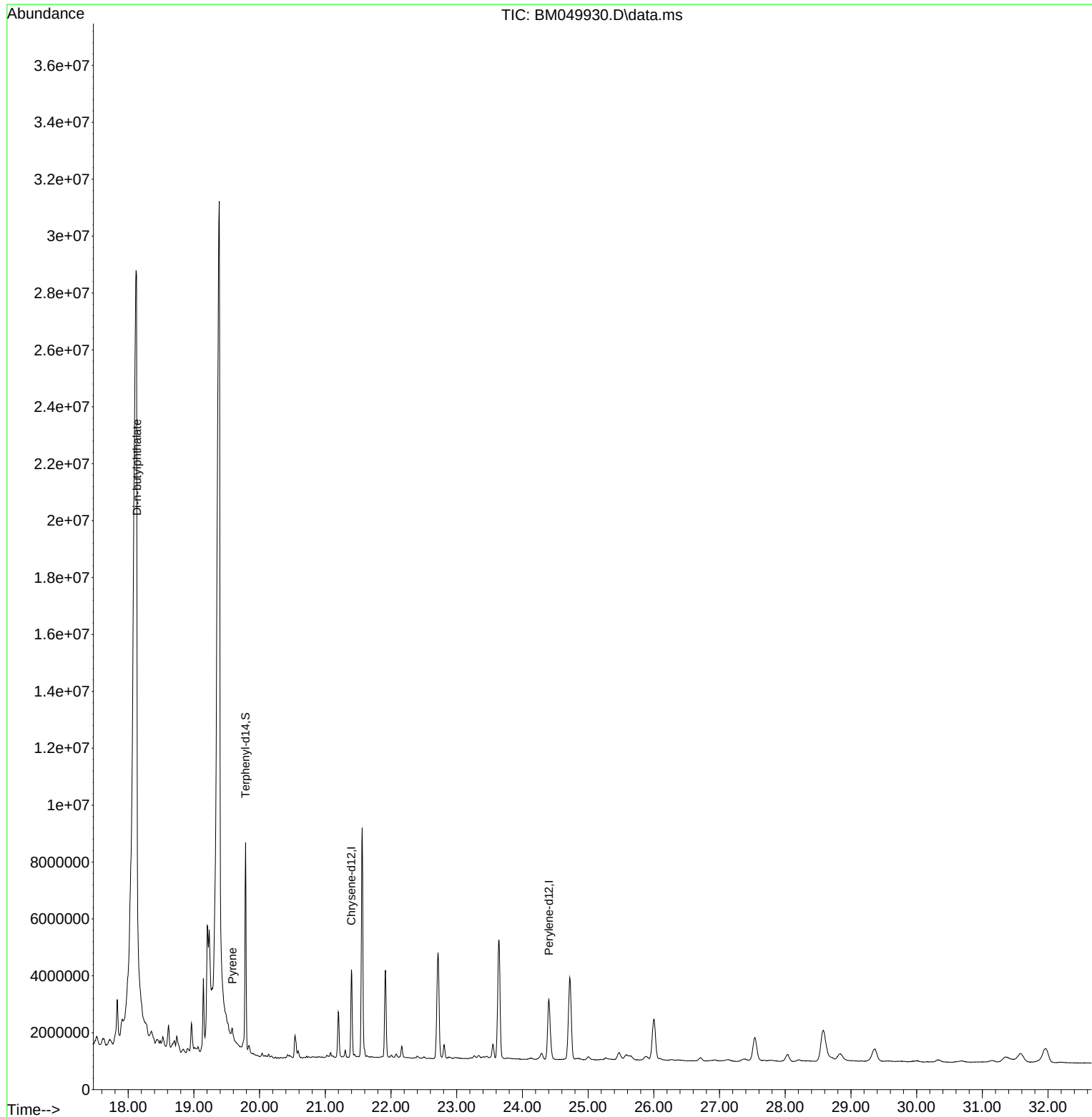
Quant Time: Apr 15 12:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

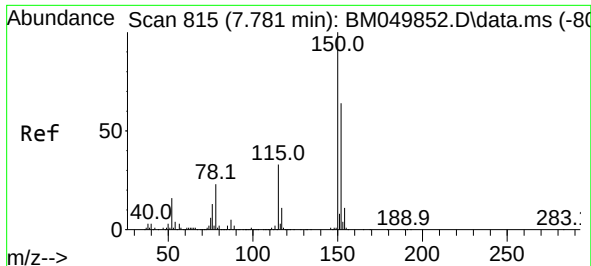


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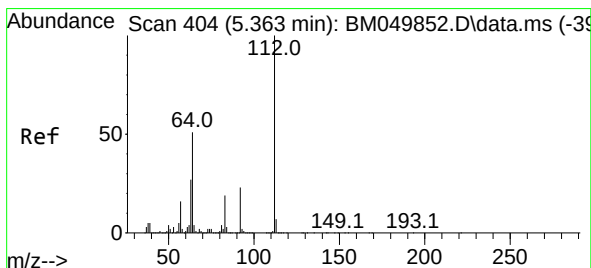
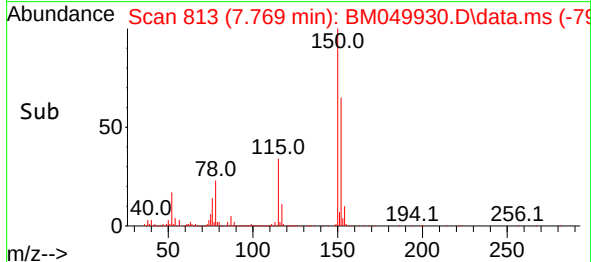
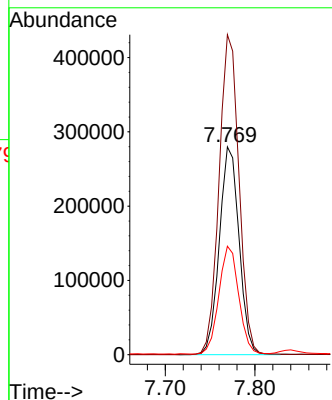
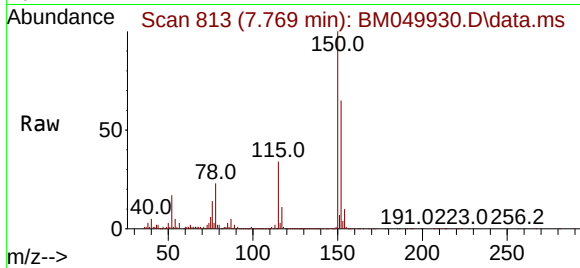




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

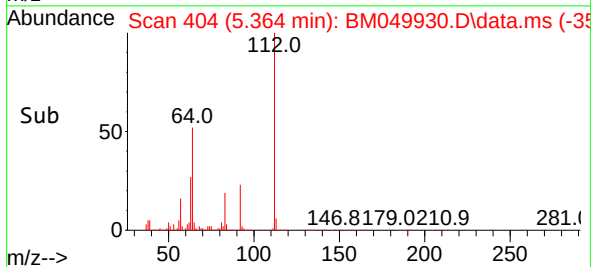
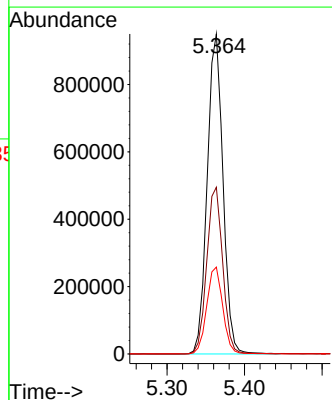
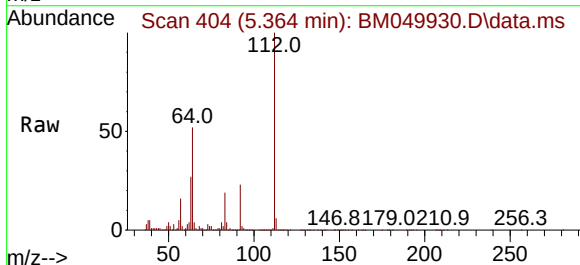
Instrument :
BNA_M
ClientSampleId :
290502

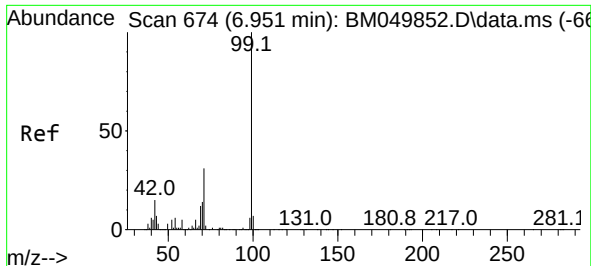
Tgt Ion:152 Resp: 427616
Ion Ratio Lower Upper
152 100
150 153.9 124.3 186.5
115 52.2 41.1 61.7



#5
2-Fluorophenol
Concen: 53.347 ng
RT: 5.364 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

Tgt Ion:112 Resp: 1343409
Ion Ratio Lower Upper
112 100
64 52.1 41.0 61.6
63 27.2 21.5 32.3

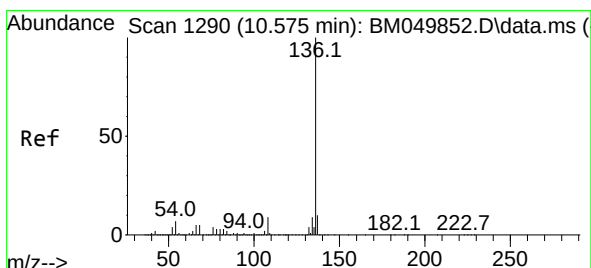
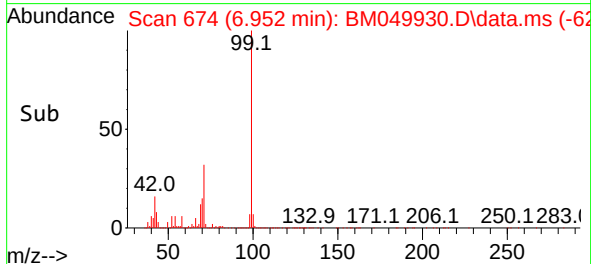
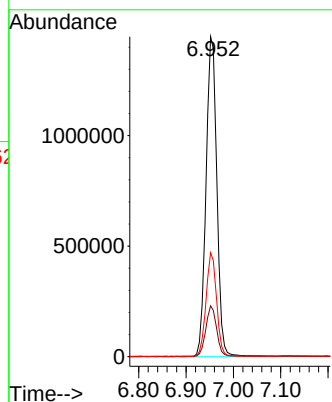
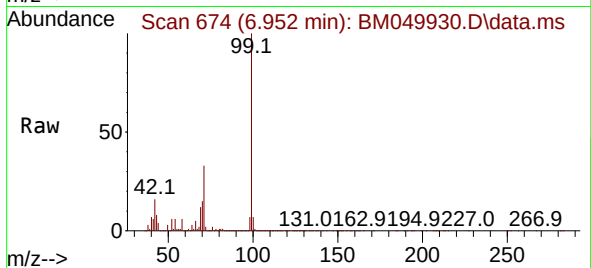




#7
Phenol-d6
Concen: 73.155 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

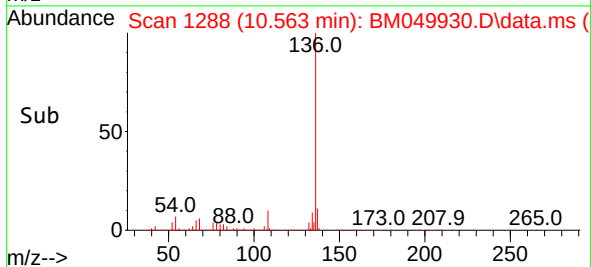
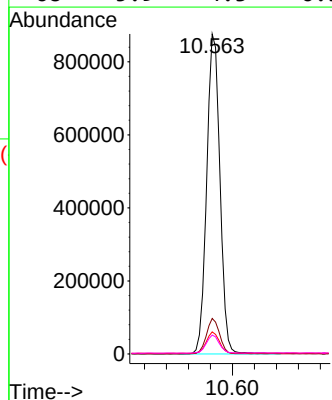
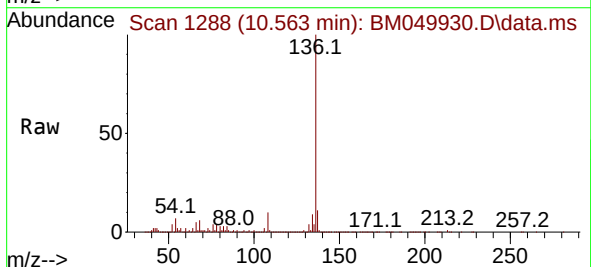
Instrument :
BNA_M
ClientSampleId :
290502

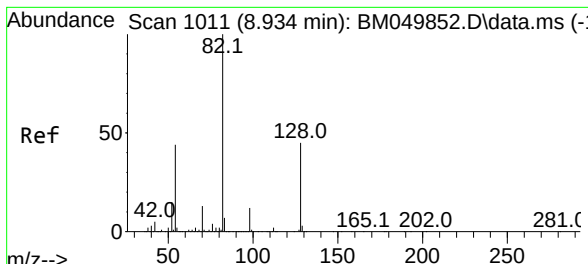
Tgt Ion: 99 Resp: 2292050
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 32.5 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.011 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

Tgt Ion: 136 Resp: 1465596
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.9 5.3 7.9
68 5.9 4.3 6.5



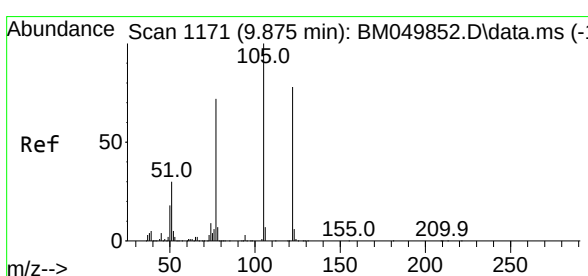
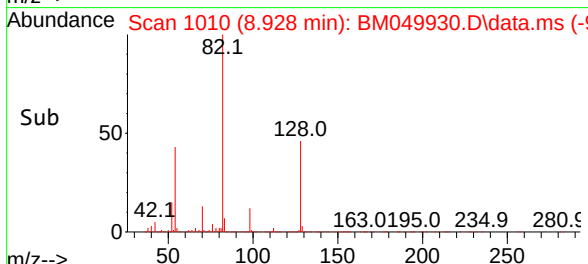
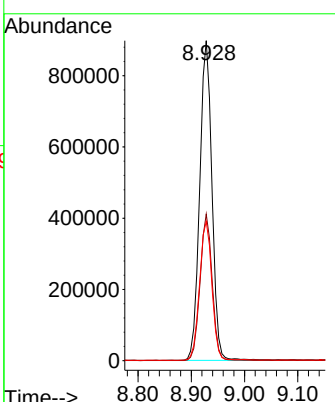
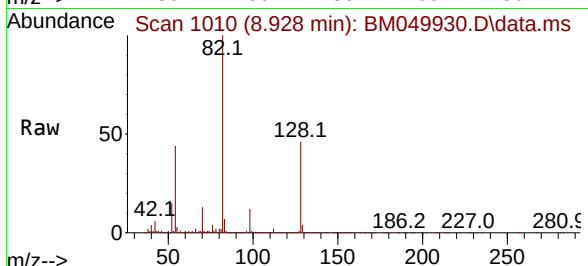


#23
 Nitrobenzene-d5
 Concen: 54.551 ng
 RT: 8.928 min Scan# 1169
 Delta R.T. -0.005 min
 Lab File: BM049930.D
 Acq: 15 Apr 2025 11:58

Instrument :
 BNA_M
 ClientSampleId :
 290502

Tgt Ion: 82 Resp: 1435754

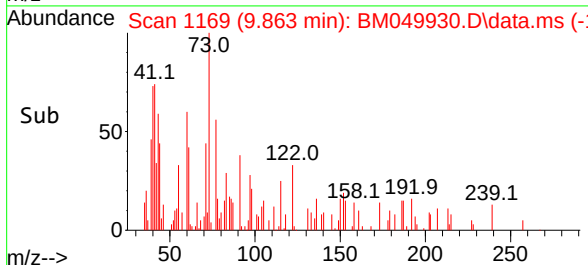
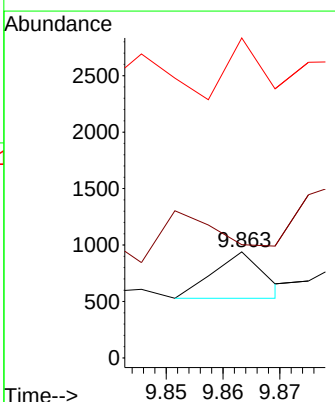
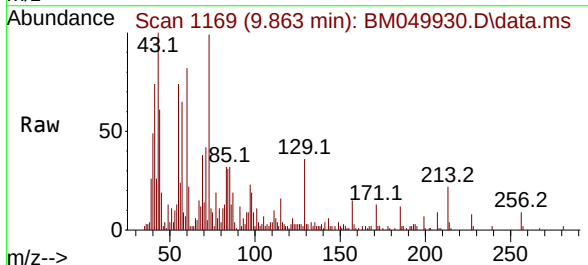
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	43.5	35.0	52.6

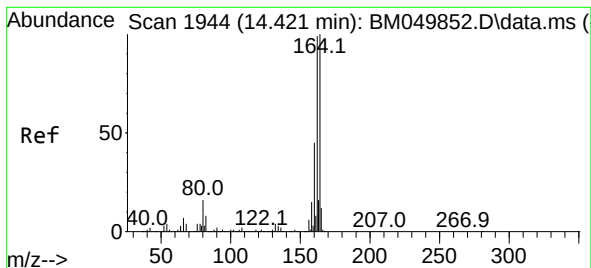


#32
 Benzoic acid
 Concen: 8.550 ng
 RT: 9.863 min Scan# 1169
 Delta R.T. -0.012 min
 Lab File: BM049930.D
 Acq: 15 Apr 2025 11:58

Tgt Ion: 122 Resp: 261

Ion	Ratio	Lower	Upper
122	100		
105	106.8	103.8	143.8
77	301.5	70.7	110.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

Instrument :

BNA_M

ClientSampleId :

290502

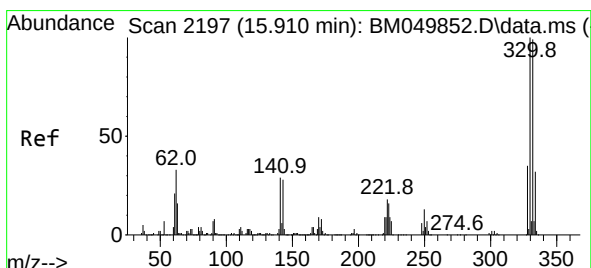
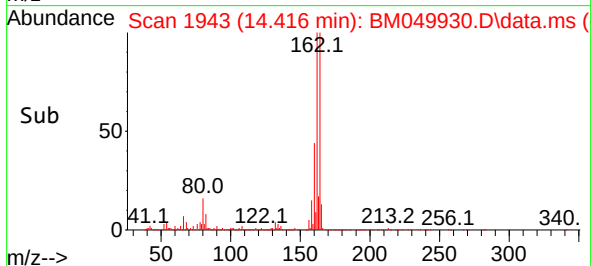
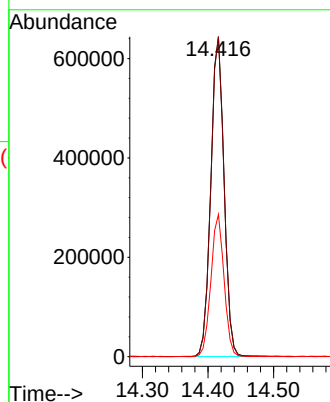
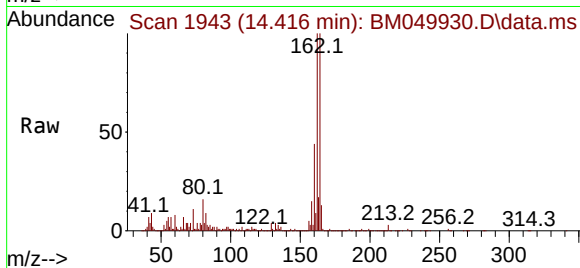
Tgt Ion:164 Resp: 906204

Ion Ratio Lower Upper

164 100

162 100.1 79.4 119.0

160 44.5 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 53.221 ng

RT: 15.904 min Scan# 2196

Delta R.T. -0.005 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

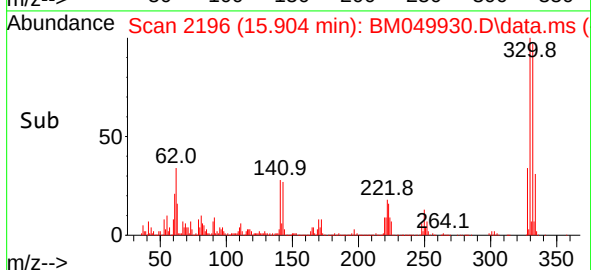
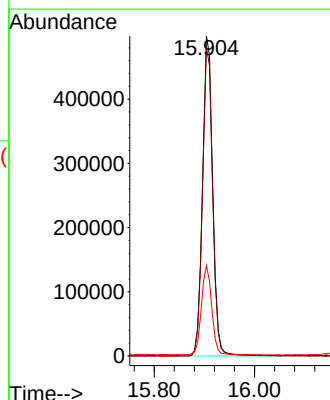
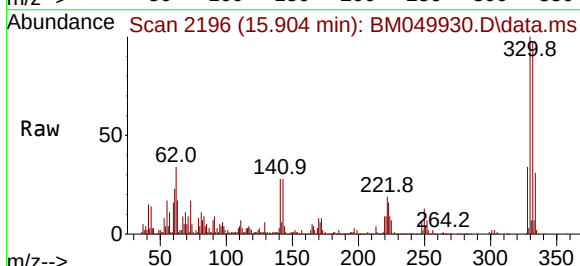
Tgt Ion:330 Resp: 701510

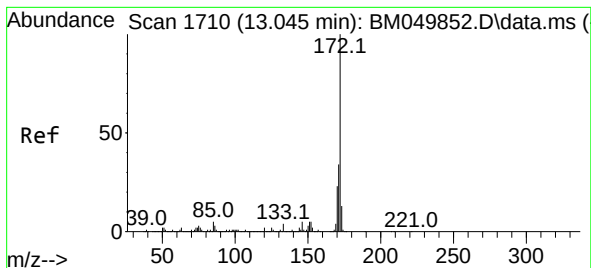
Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 28.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 42.052 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.011 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

Instrument :

BNA_M

ClientSampleId :

290502

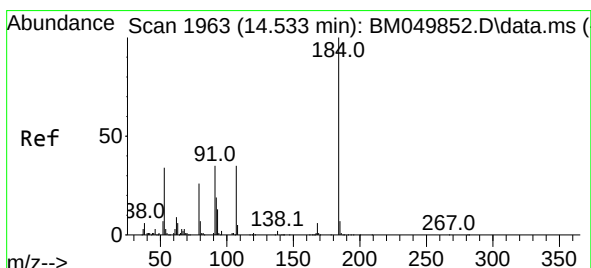
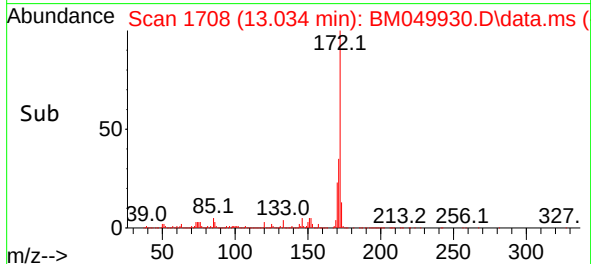
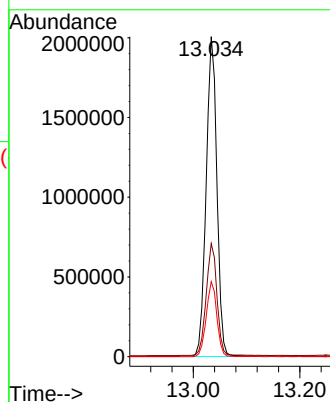
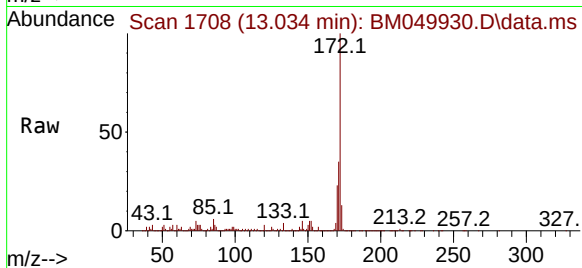
Tgt Ion:172 Resp: 2810284

Ion Ratio Lower Upper

172 100

171 35.4 27.4 41.2

170 23.5 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.232 ng

RT: 14.522 min Scan# 1961

Delta R.T. -0.011 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

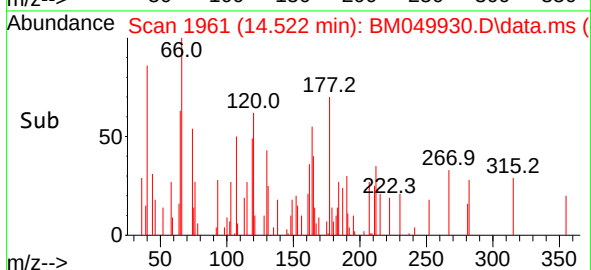
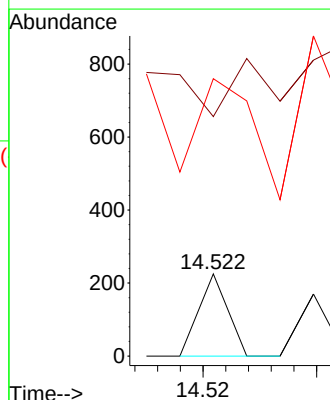
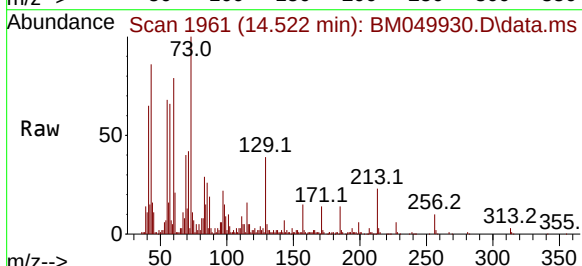
Tgt Ion:184 Resp: 79

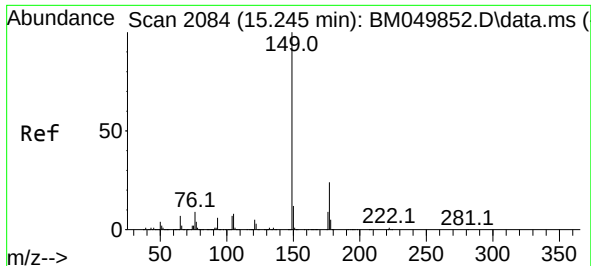
Ion Ratio Lower Upper

184 100

63 291.6 38.4 57.6#

154 337.8 48.1 72.1#

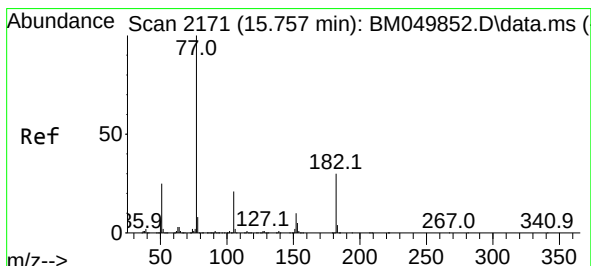
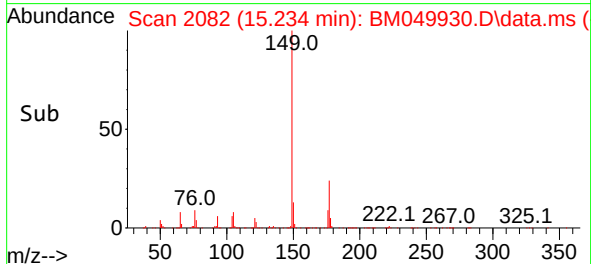
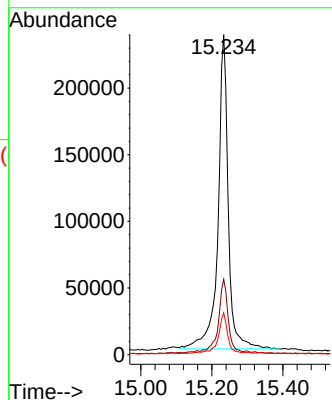
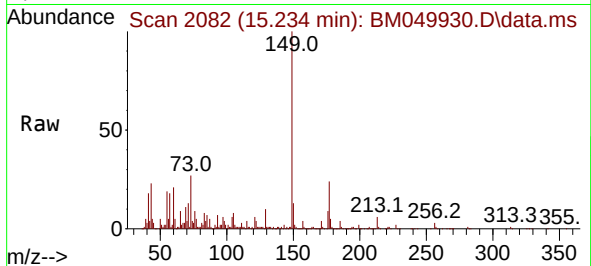




#60
Diethylphthalate
Concen: 7.736 ng
RT: 15.234 min Scan# 20
Delta R.T. -0.011 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

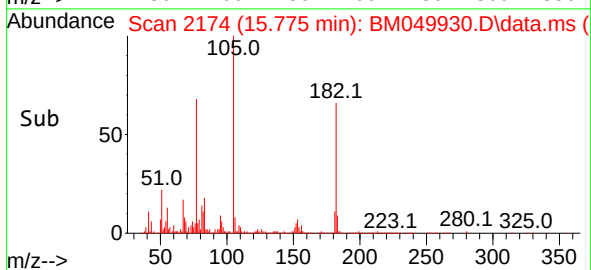
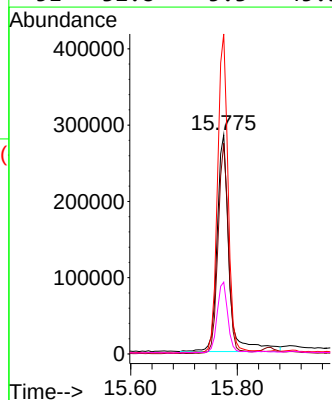
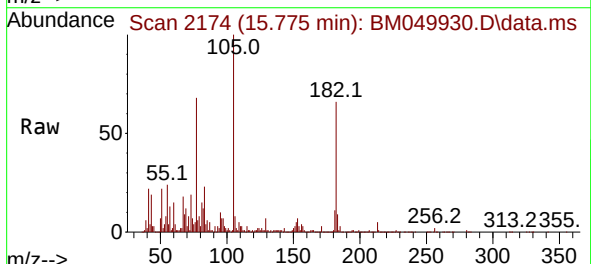
Instrument :
BNA_M
ClientSampleId :
290502

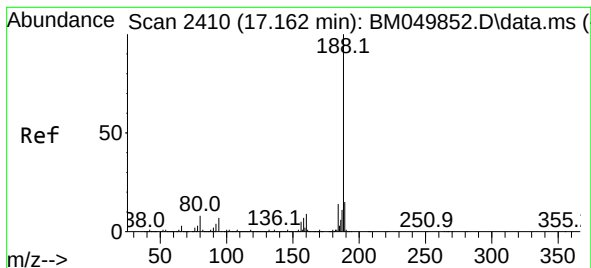
Tgt Ion:149 Resp: 474313
Ion Ratio Lower Upper
149 100
177 23.6 19.0 28.4
150 13.1 9.7 14.5



#63
Azobenzene
Concen: 8.425 ng
RT: 15.775 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

Tgt Ion: 77 Resp: 442202
Ion Ratio Lower Upper
77 100
182 96.1 10.4 50.4#
105 146.1 1.5 41.5#
51 32.8 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.005 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

Instrument :

BNA_M

ClientSampleId :

290502

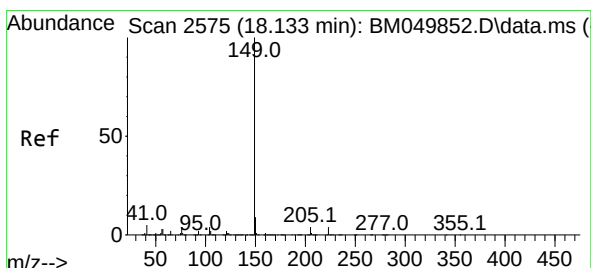
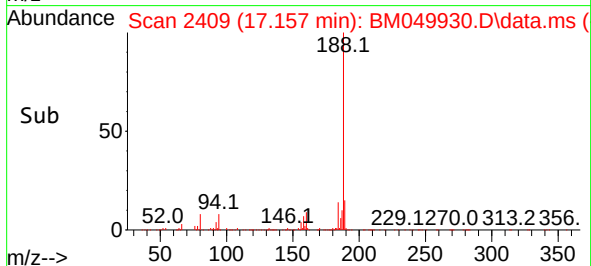
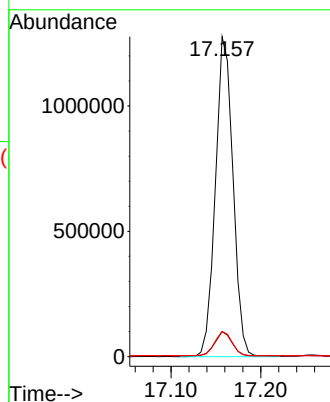
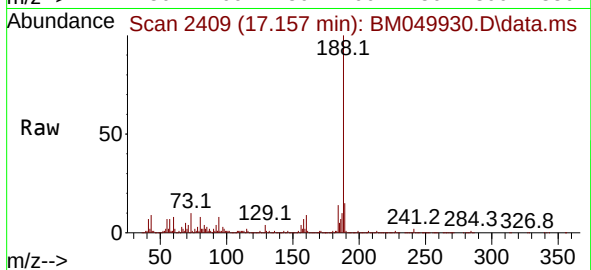
Tgt Ion:188 Resp: 1734956

Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.6

80 7.9 6.4 9.6



#74

Di-n-butylphthalate

Concen: 4.142 ng

RT: 18.133 min Scan# 2575

Delta R.T. 0.000 min

Lab File: BM049930.D

Acq: 15 Apr 2025 11:58

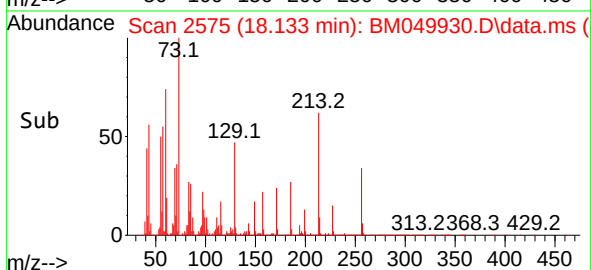
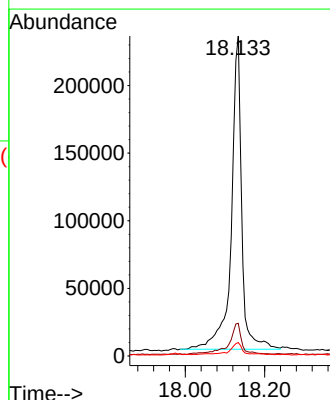
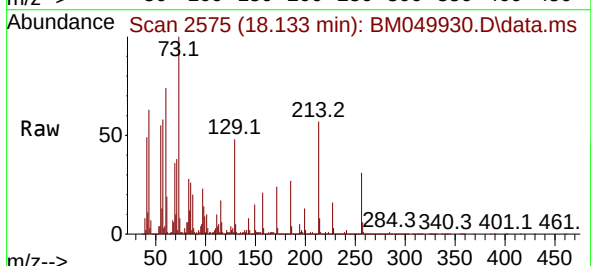
Tgt Ion:149 Resp: 421193

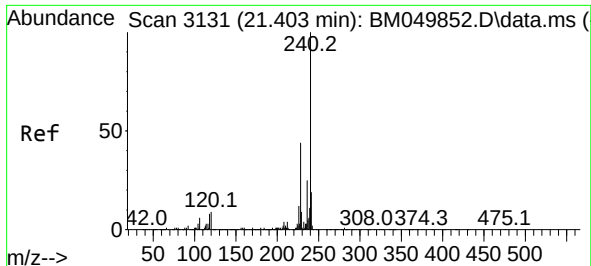
Ion Ratio Lower Upper

149 100

150 10.2 7.5 11.3

104 4.2 3.5 5.3

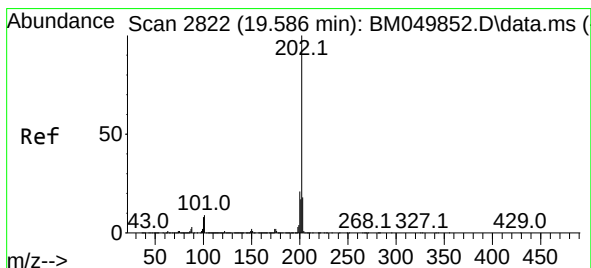
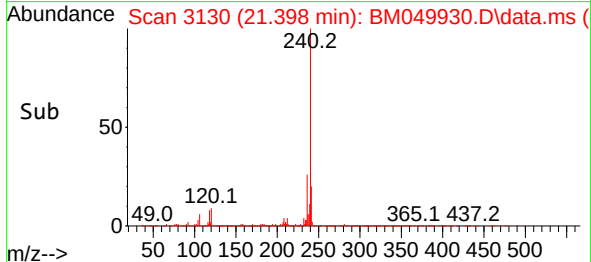
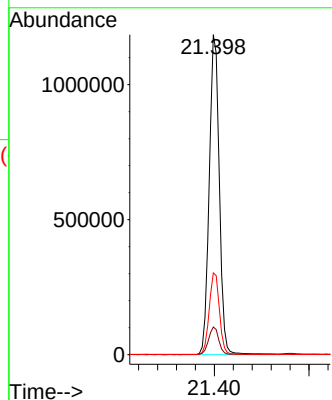
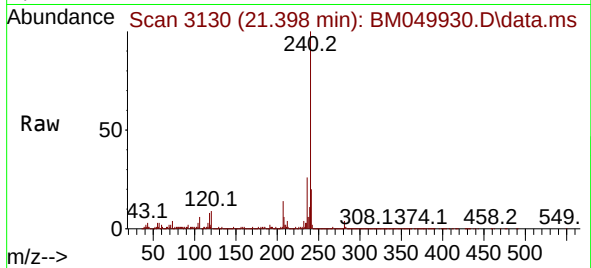




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

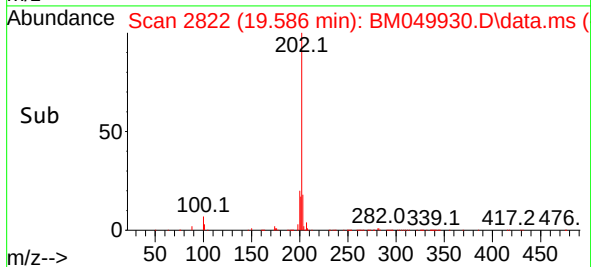
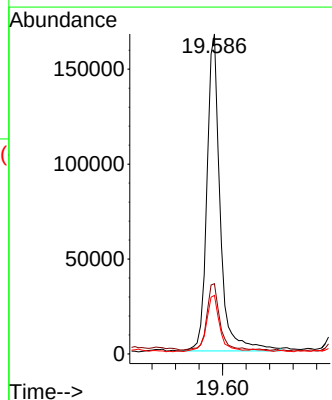
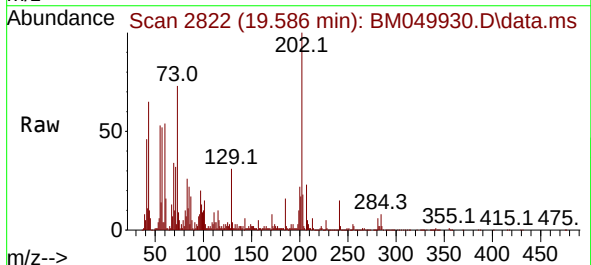
Instrument :
BNA_M
ClientSampleId :
290502

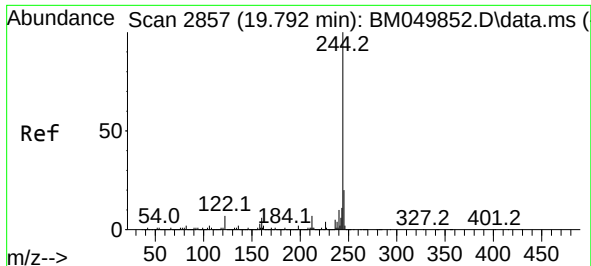
Tgt Ion:240 Resp: 1744730
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 25.5 20.4 30.6



#78
Pyrene
Concen: 2.169 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049930.D
Acq: 15 Apr 2025 11:58

Tgt Ion:202 Resp: 260750
Ion Ratio Lower Upper
202 100
200 21.9 16.5 24.7
203 18.3 14.0 21.0

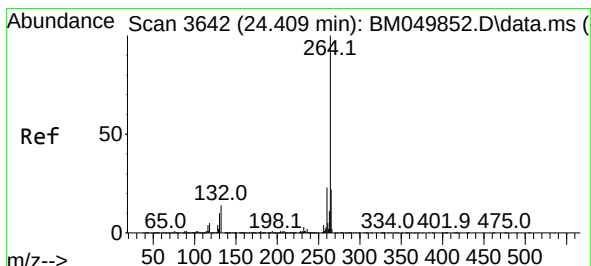
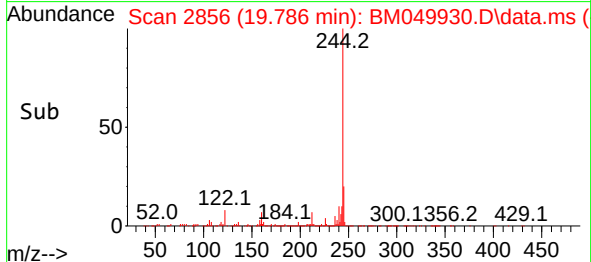
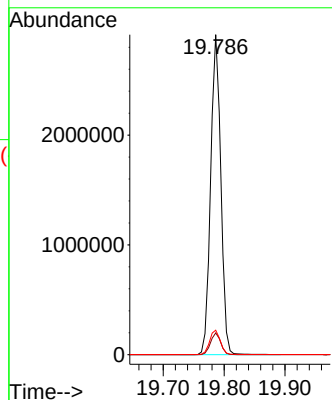
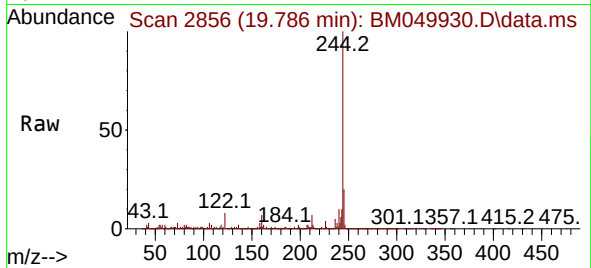




#79
 Terphenyl-d14
 Concen: 36.361 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM049930.D
 Acq: 15 Apr 2025 11:58

Instrument :
 BNA_M
 ClientSampleId :
 290502

Tgt Ion:244 Resp: 3385169
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 7.6 5.4 8.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.404 min Scan# 3641
 Delta R.T. -0.005 min
 Lab File: BM049930.D
 Acq: 15 Apr 2025 11:58

Tgt Ion:264 Resp: 1967475
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.1 17.8 26.8

