

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049932.D
 Acq On : 15 Apr 2025 13:17
 Operator : RC/JU
 Sample : Q1781-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-12

Quant Time: Apr 15 13:55:46 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)

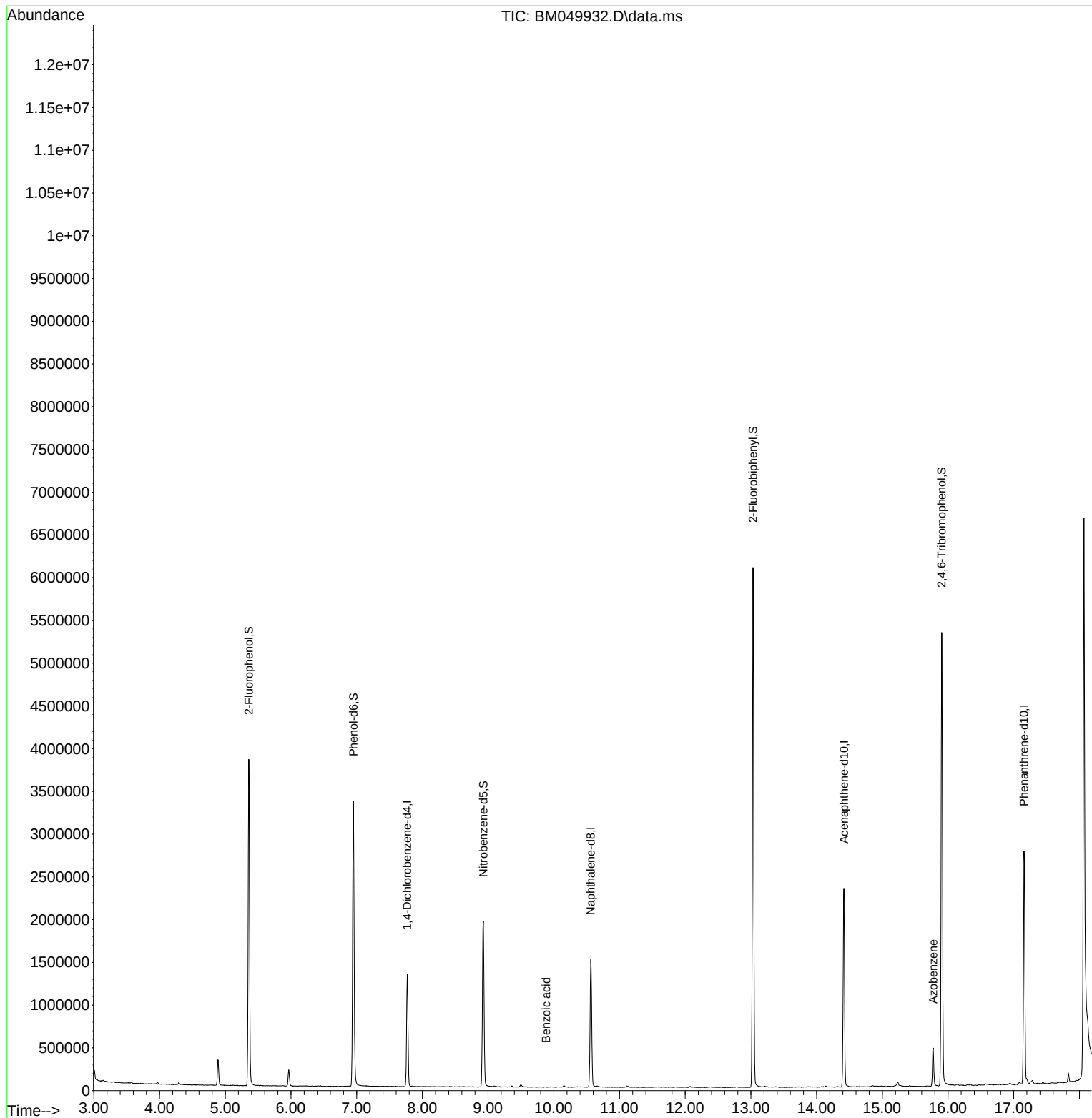
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	378494	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1303789	20.000	ng	-0.01
39) Acenaphthene-d10	14.415	164	857163	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1674944	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1582159	20.000	ng	0.00
86) Perylene-d12	24.397	264	1737550	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1739984	78.063	ng	0.00
7) Phenol-d6	6.951	99	2042785	73.661	ng	0.00
23) Nitrobenzene-d5	8.928	82	1180622	50.425	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1120785	89.895	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	3128067	49.485	ng	-0.01
79) Terphenyl-d14	19.786	244	4565697	54.080	ng	0.00
Target Compounds						
32) Benzoic acid	9.880	122	73	8.542	ng	# 1
63) Azobenzene	15.774	77	121453	2.446	ng	# 1

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

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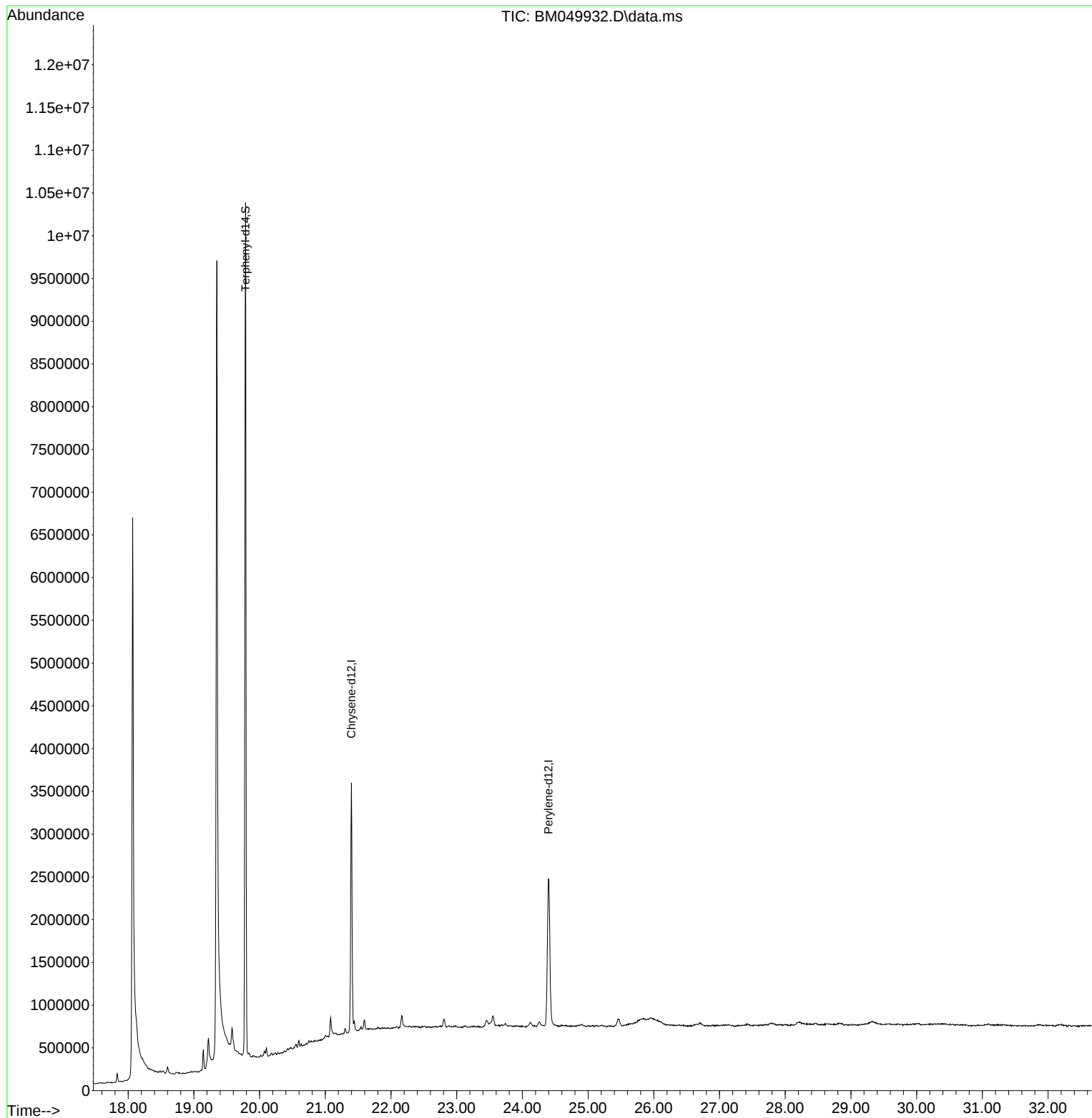
Quant Time: Apr 15 13:55:46 2025
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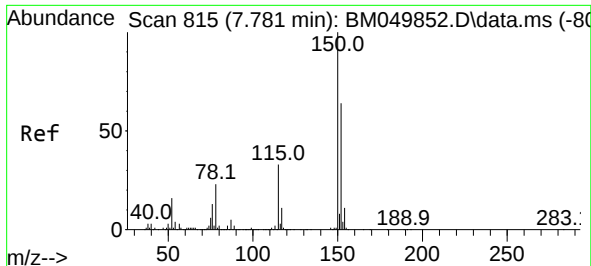


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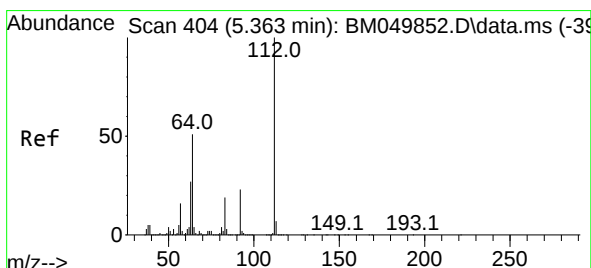
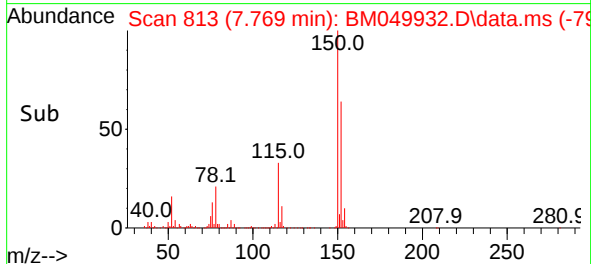
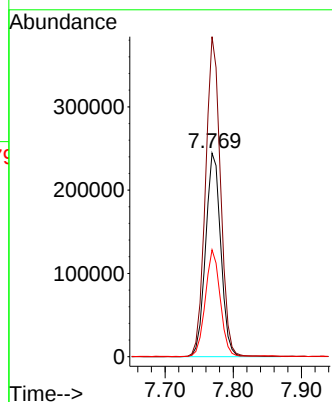
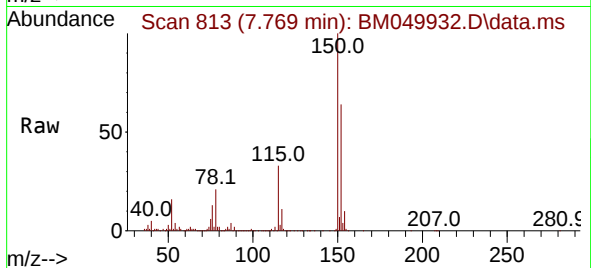




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

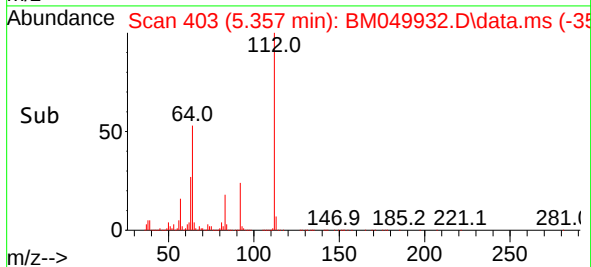
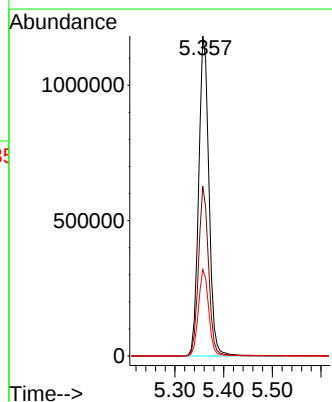
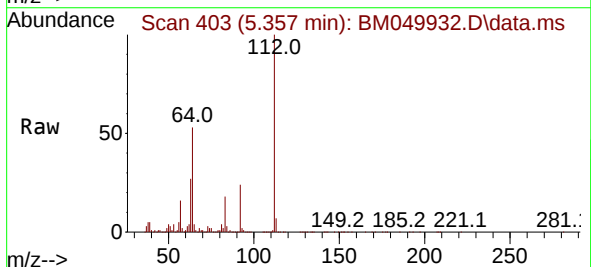
Instrument :
BNA_M
ClientSampleId :
WC-12

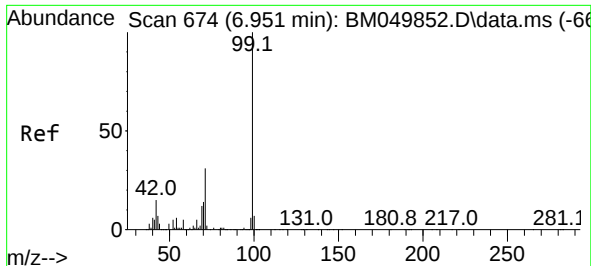
Tgt Ion:152 Resp: 378494
Ion Ratio Lower Upper
152 100
150 157.2 124.3 186.5
115 52.5 41.1 61.7



#5
2-Fluorophenol
Concen: 78.063 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

Tgt Ion:112 Resp: 1739984
Ion Ratio Lower Upper
112 100
64 53.1 41.0 61.6
63 27.0 21.5 32.3

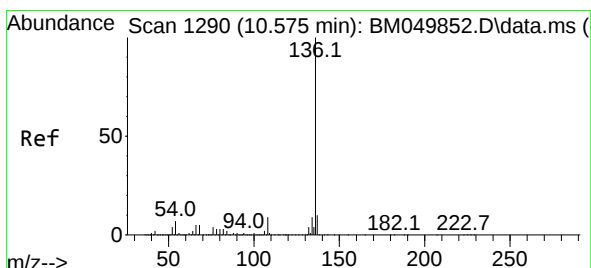
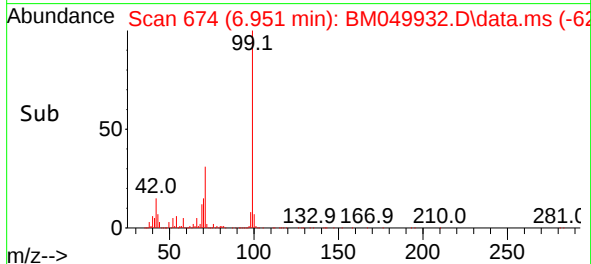
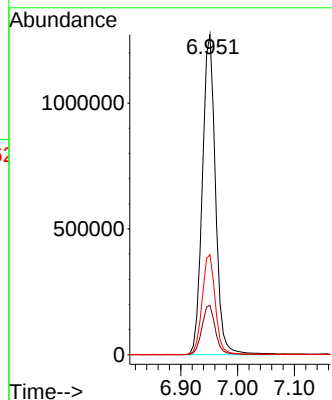
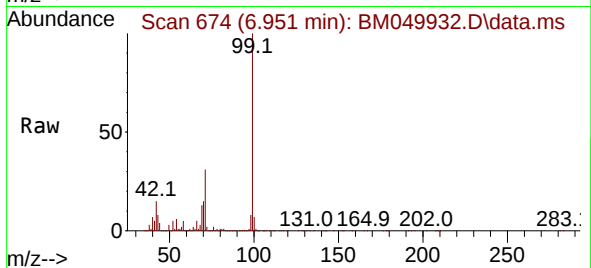




#7
Phenol-d6
Concen: 73.661 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

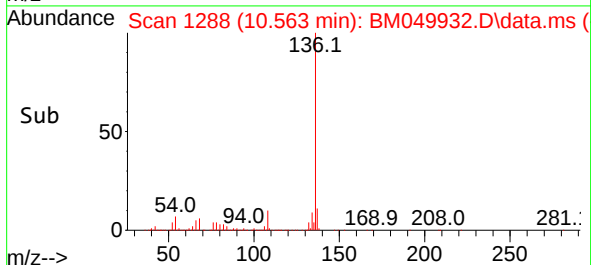
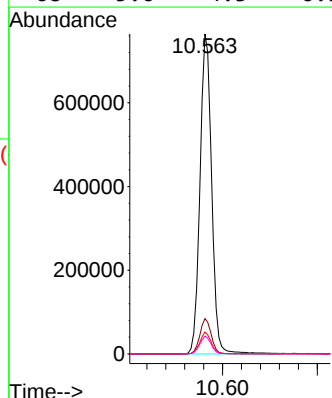
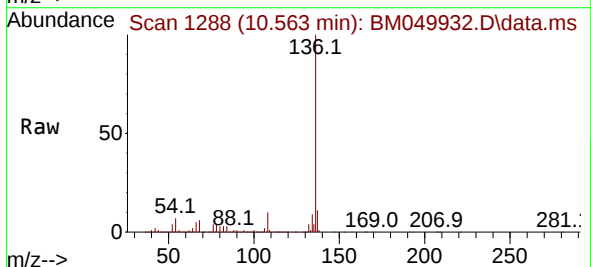
Instrument :
BNA_M
ClientSampleId :
WC-12

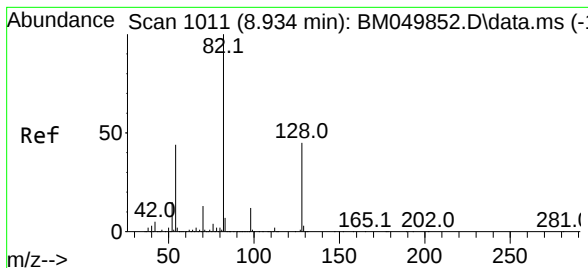
Tgt Ion: 99 Resp: 2042785
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

Tgt Ion:136 Resp: 1303789
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.9 5.3 7.9
68 5.6 4.3 6.5

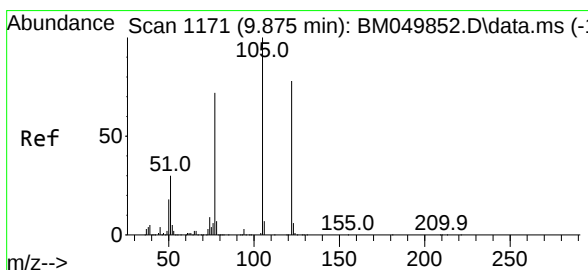
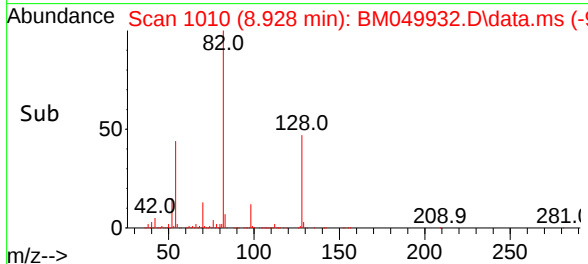
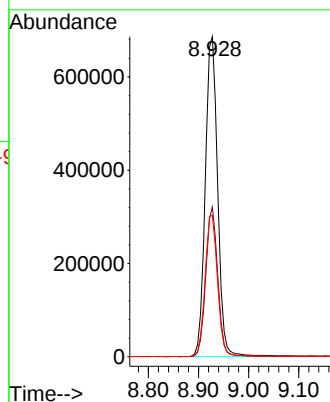
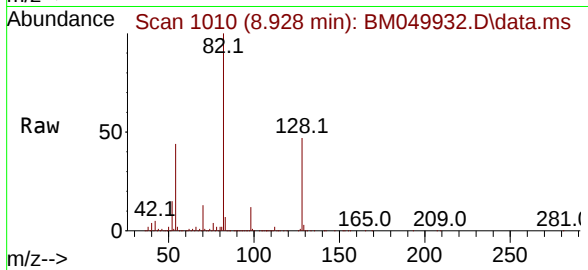




#23
Nitrobenzene-d5
Concen: 50.425 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

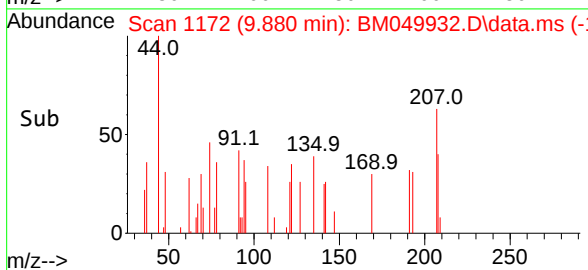
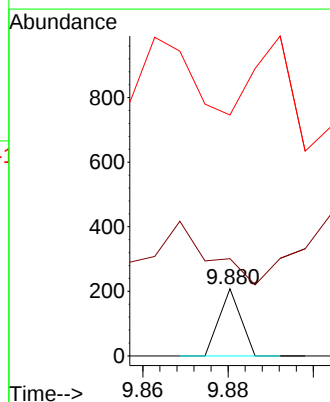
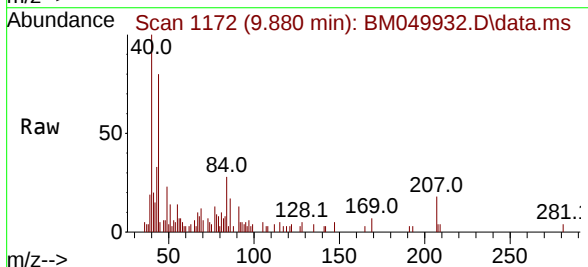
Instrument :
BNA_M
ClientSampleId :
WC-12

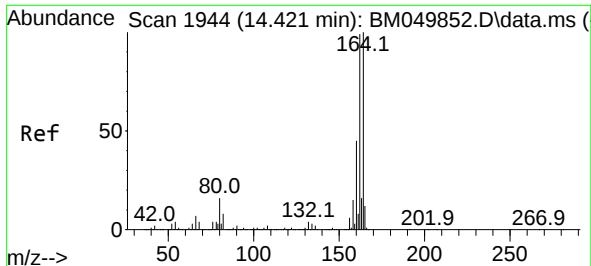
Tgt Ion: 82 Resp: 1180622
Ion Ratio Lower Upper
82 100
128 46.8 36.2 54.2
54 44.2 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.880 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 144.7 103.8 143.8#
77 358.7 70.7 110.7#

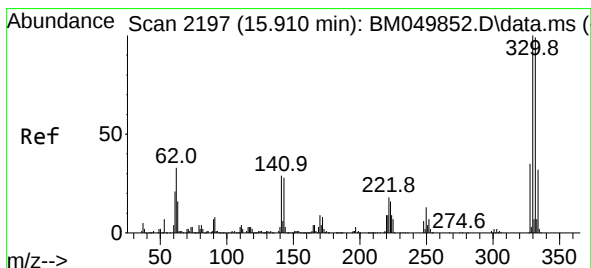
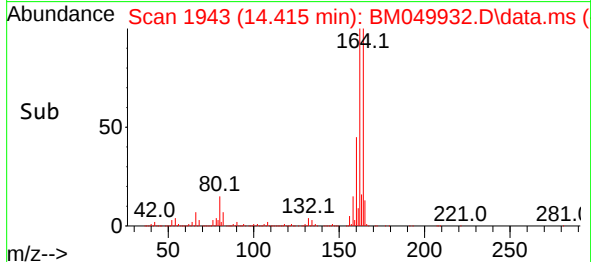
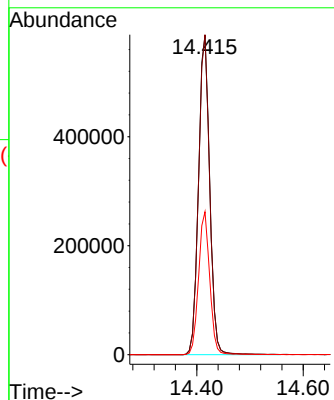
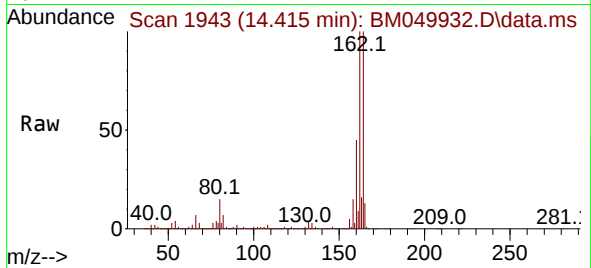




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

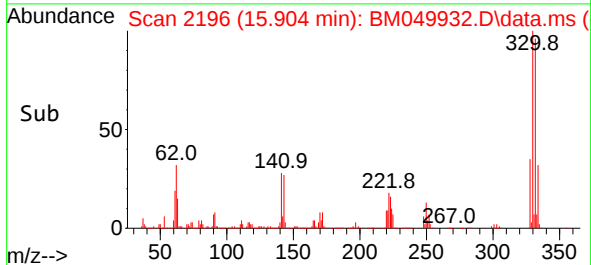
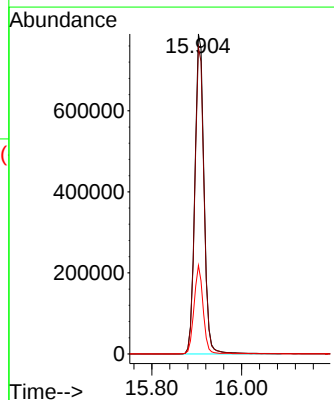
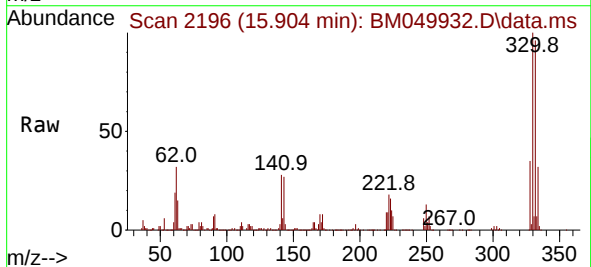
Instrument :
BNA_M
ClientSampleId :
WC-12

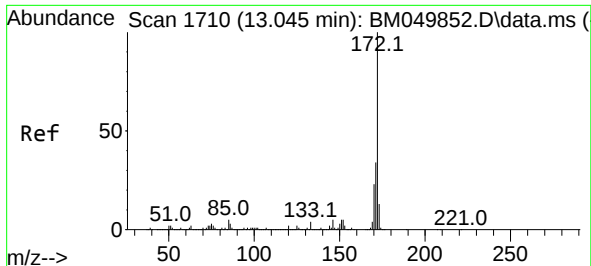
Tgt Ion:164 Resp: 857163
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 44.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 89.895 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

Tgt Ion:330 Resp: 1120785
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 27.5 23.5 35.3

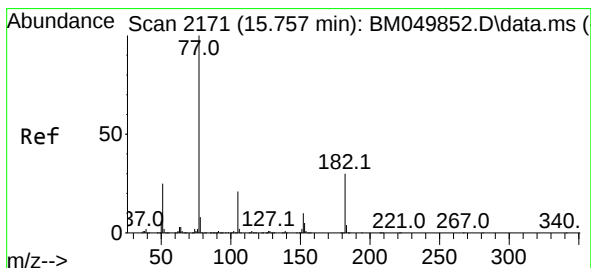
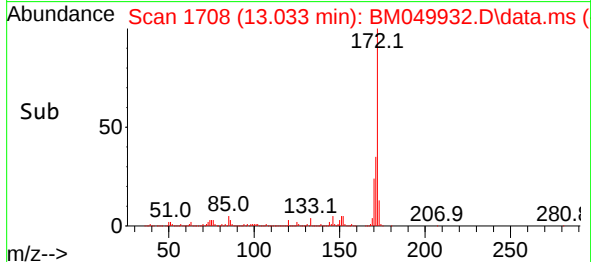
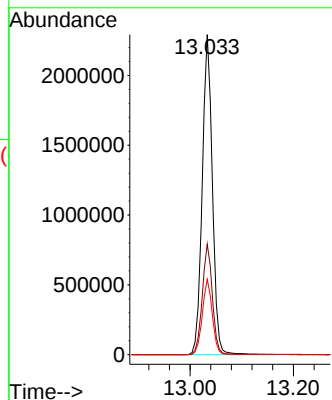
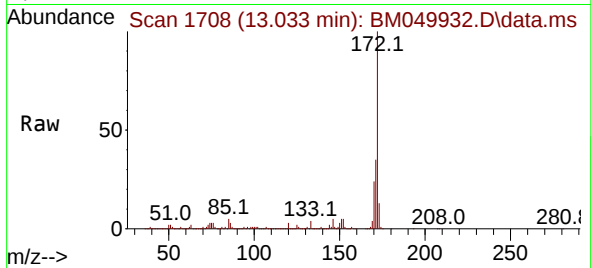




#45
2-Fluorobiphenyl
Concen: 49.485 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

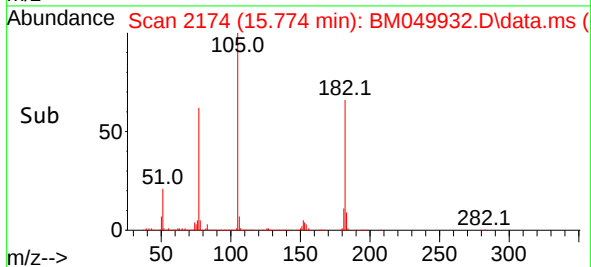
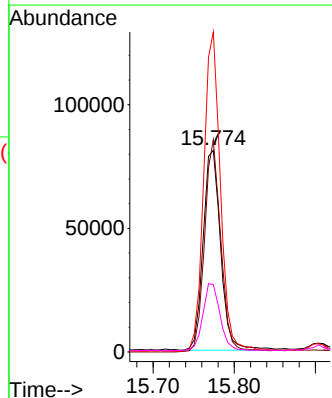
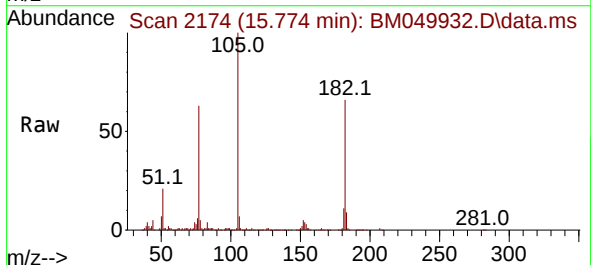
Instrument :
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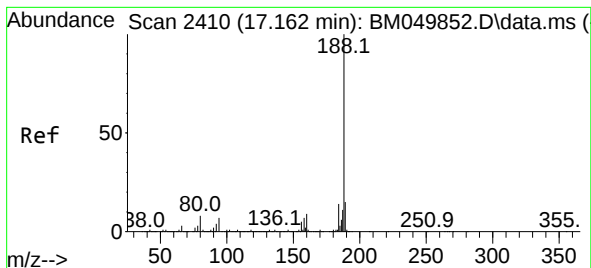
Tgt Ion:172 Resp: 3128067
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.6 18.6 28.0



#63
Azobenzene
Concen: 2.446 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049932.D
Acq: 15 Apr 2025 13:17

Tgt Ion: 77 Resp: 121453
Ion Ratio Lower Upper
77 100
182 105.2 10.4 50.4#
105 158.7 1.5 41.5#
51 33.4 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049932.D

Acq: 15 Apr 2025 13:17

Instrument :

BNA_M

ClientSampleId :

WC-12

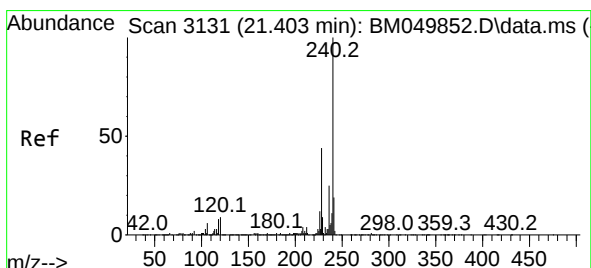
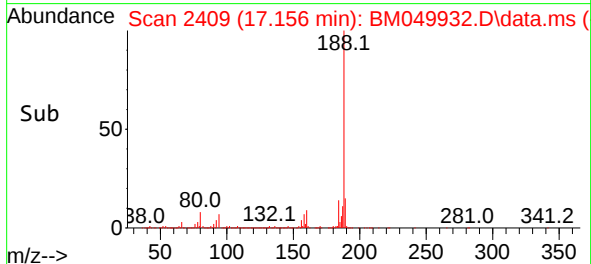
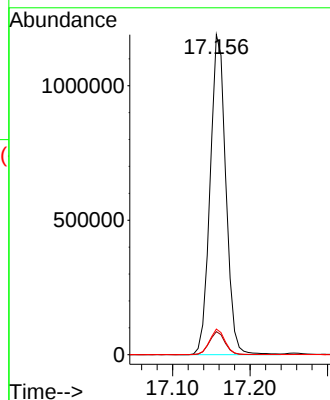
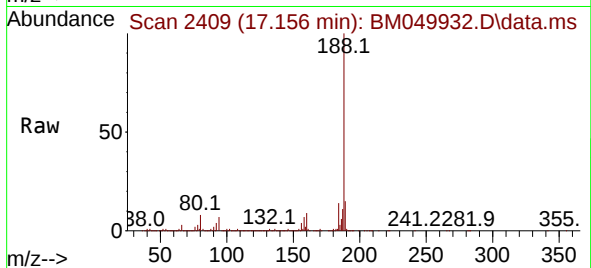
Tgt Ion:188 Resp: 1674944

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 8.0 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049932.D

Acq: 15 Apr 2025 13:17

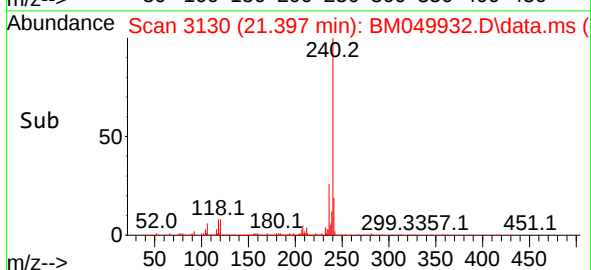
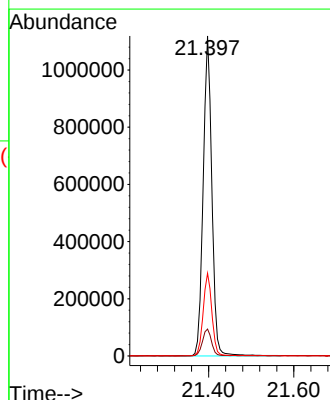
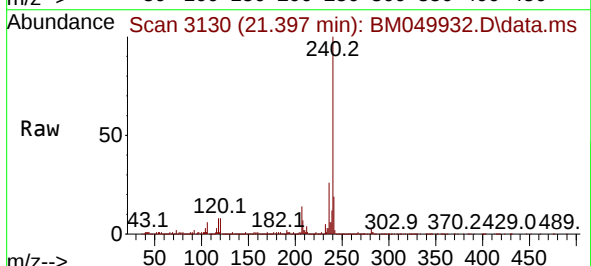
Tgt Ion:240 Resp: 1582159

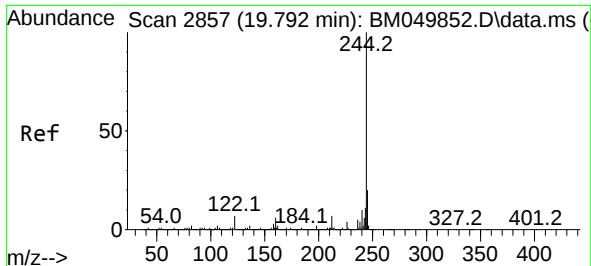
Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

236 25.8 20.4 30.6

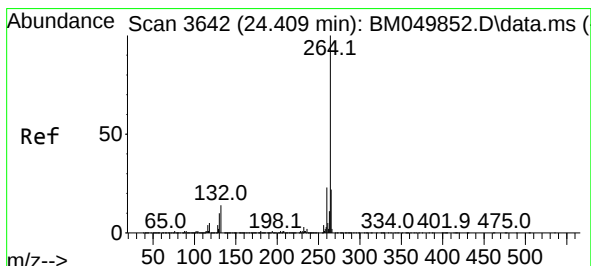
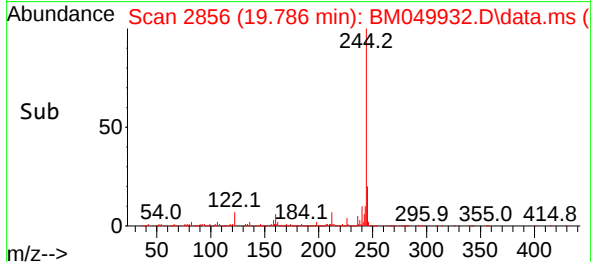
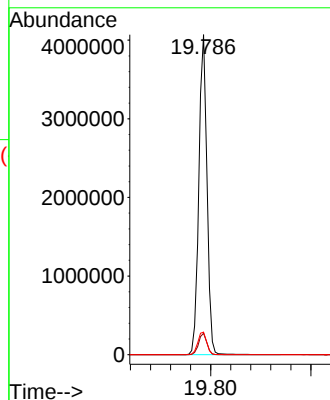
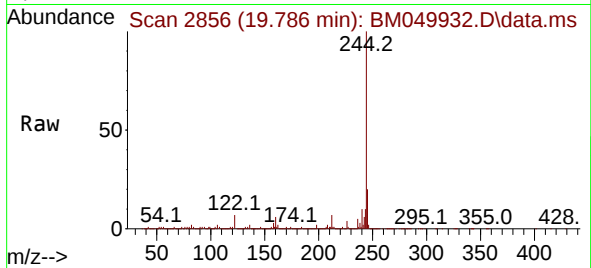




#79
 Terphenyl-d14
 Concen: 54.080 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049932.D
 Acq: 15 Apr 2025 13:17

Instrument :
 BNA_M
 ClientSampleId :
 WC-12

Tgt Ion:244 Resp: 4565697
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 7.1 5.4 8.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 3640
 Delta R.T. -0.012 min
 Lab File: BM049932.D
 Acq: 15 Apr 2025 13:17

Tgt Ion:264 Resp: 1737550
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.9 17.8 26.8

