

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
 Data File : BM050302.D
 Acq On : 13 Jun 2025 16:31
 Operator : RC/JU
 Sample : Q2287-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CONCRETE-SLAB

Quant Time: Jun 13 18:05:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

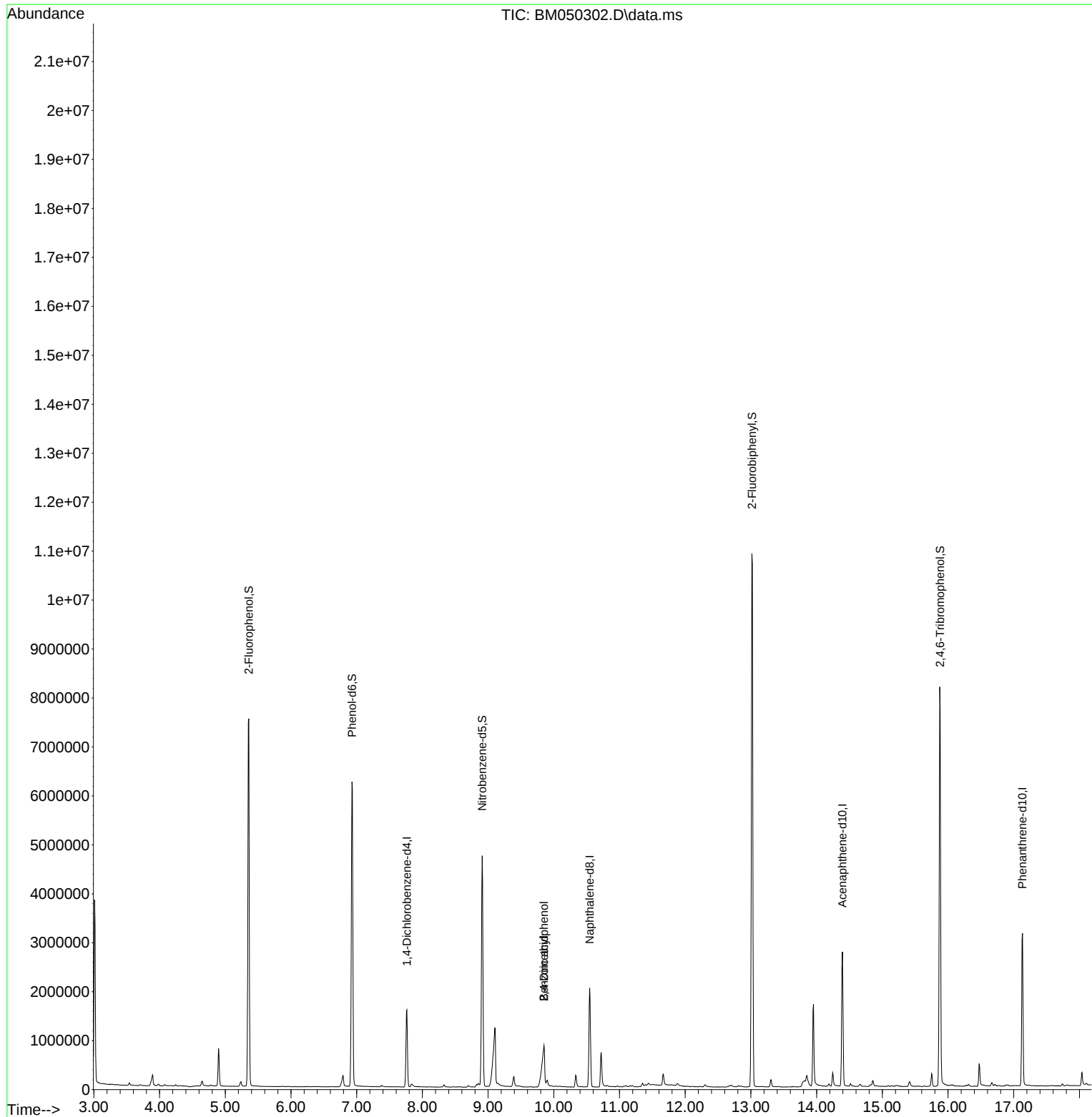
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	448758	20.000	ng	0.00
21) Naphthalene-d8	10.545	136	1702322	20.000	ng	-0.01
39) Acenaphthene-d10	14.392	164	953364	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1772941	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1833717	20.000	ng	-0.01
86) Perylene-d12	24.333	264	1904952	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3629051	134.901	ng	0.00
7) Phenol-d6	6.928	99	4193315	118.410	ng	0.00
23) Nitrobenzene-d5	8.910	82	2992541	91.426	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1547586	142.716	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	5920963	84.082	ng	-0.01
79) Terphenyl-d14	19.762	244	8321033	85.992	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	9.851	122	581353	22.019	ng	# 5
32) Benzoic acid	9.851	122	581353	35.036	ng	98

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

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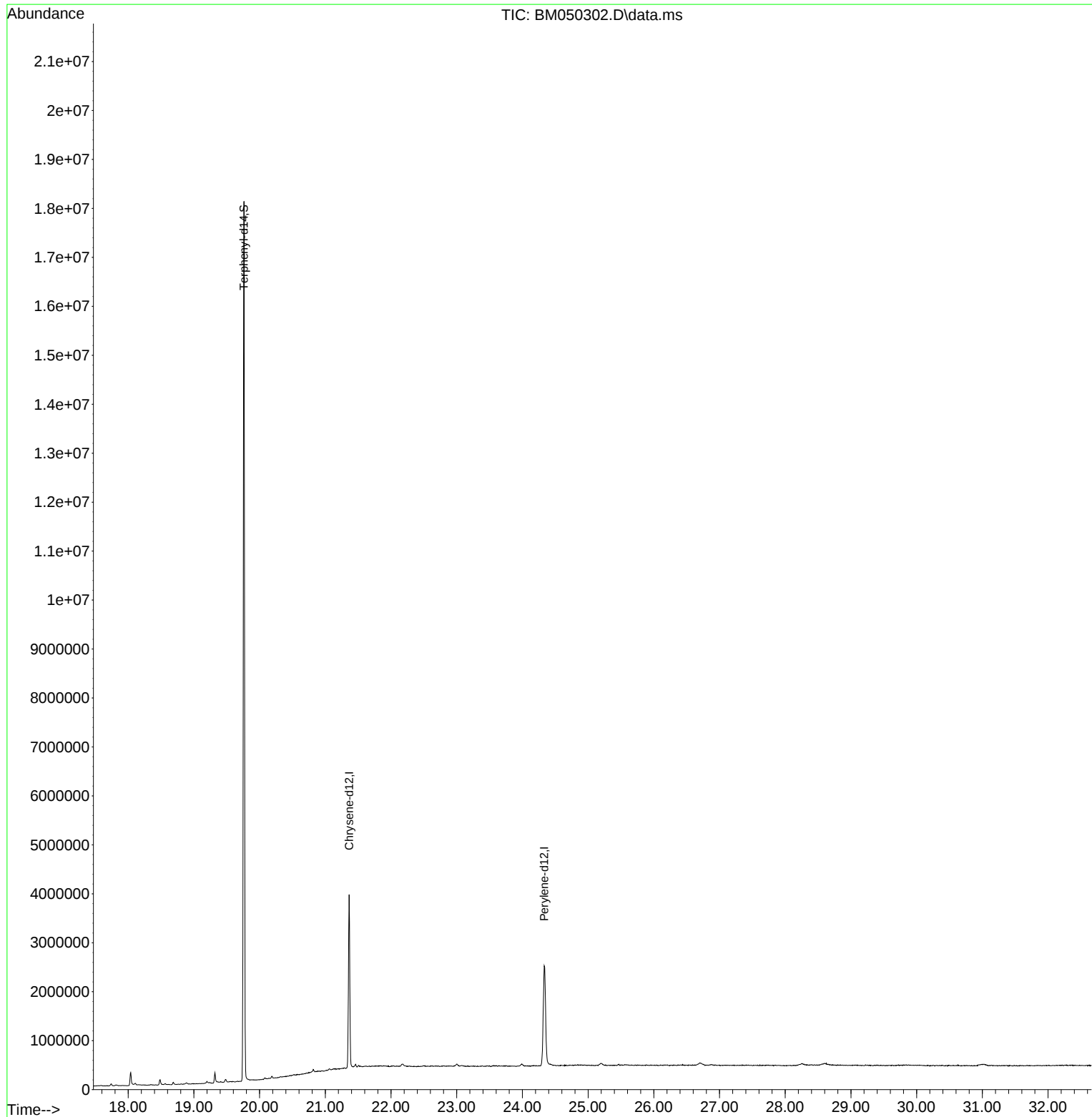
Quant Time: Jun 13 18:05:11 2025
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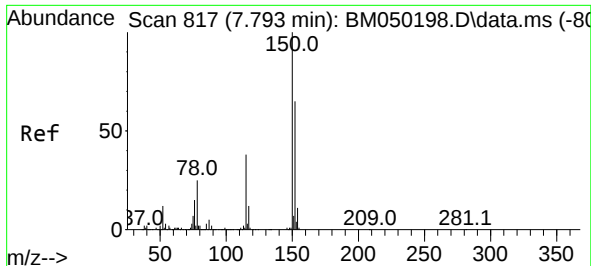


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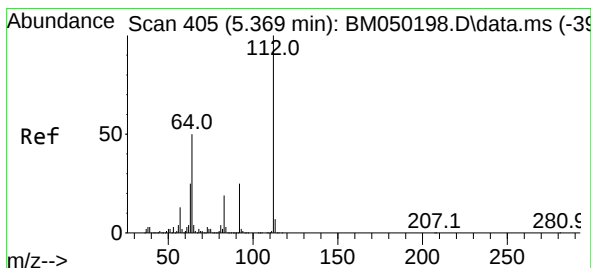
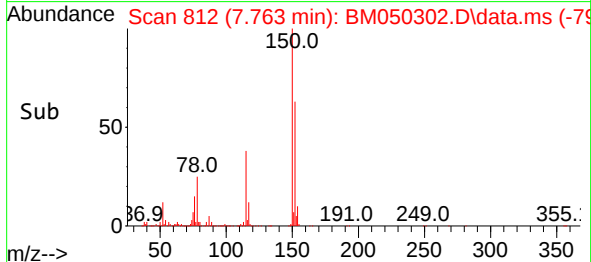
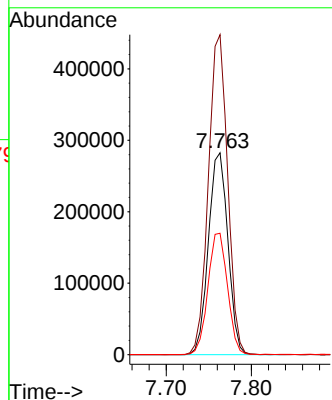
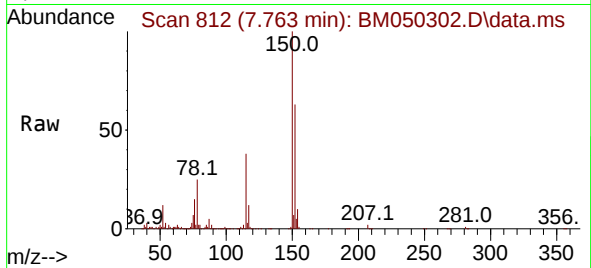




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 817
Delta R.T. -0.006 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

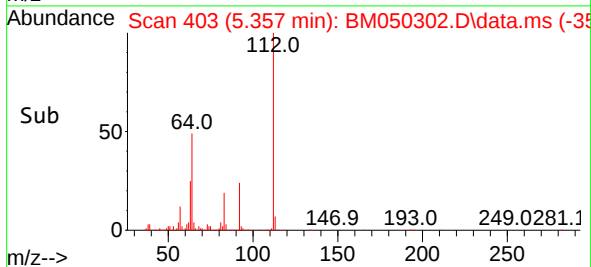
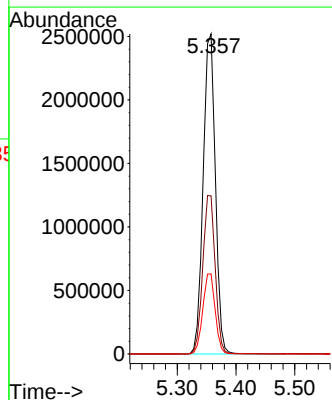
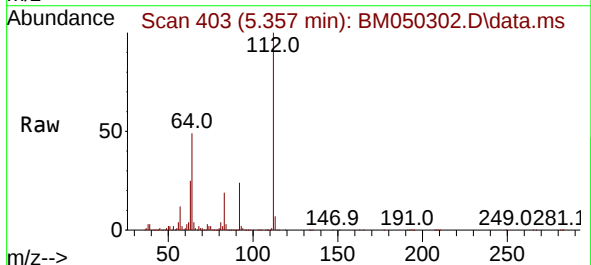
Instrument :
BNA_M
ClientSampleId :
CONCRETE-SLAB

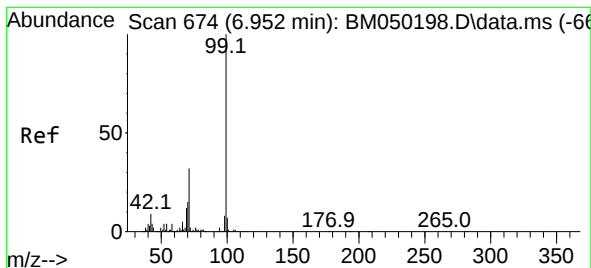
Tgt Ion:152 Resp: 448758
Ion Ratio Lower Upper
152 100
150 158.5 122.2 183.4
115 60.1 46.3 69.5



#5
2-Fluorophenol
Concen: 134.901 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

Tgt Ion:112 Resp: 3629051
Ion Ratio Lower Upper
112 100
64 49.4 39.8 59.6
63 25.0 19.8 29.8





#7

Phenol-d6

Concen: 118.410 ng

RT: 6.928 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM050302.D

Acq: 13 Jun 2025 16:31

Instrument :

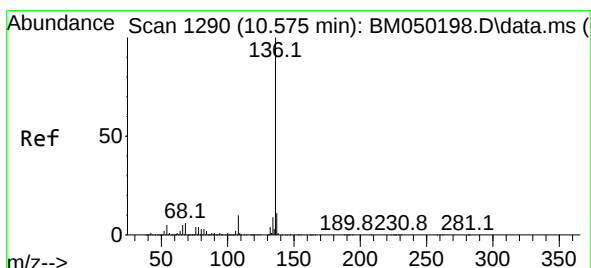
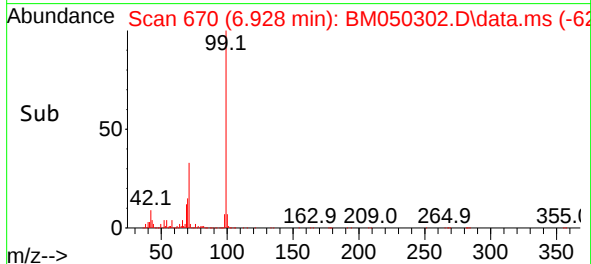
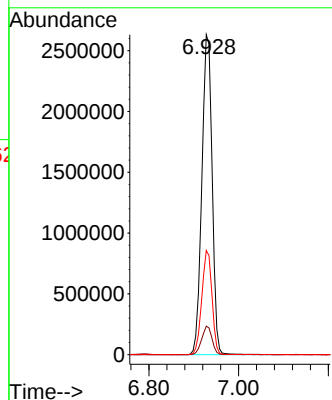
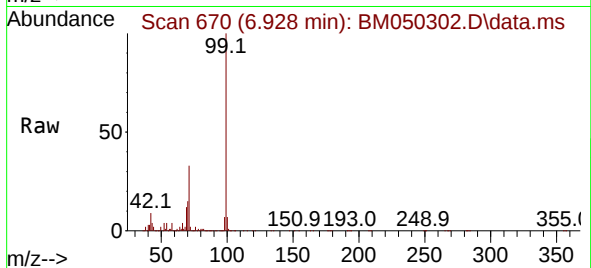
BNA_M

ClientSampleId :

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Tgt Ion: 99 Resp: 4193315

Ion	Ratio	Lower	Upper
99	100		
42	8.9	6.9	10.3
71	32.6	25.3	37.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.545 min Scan# 1285

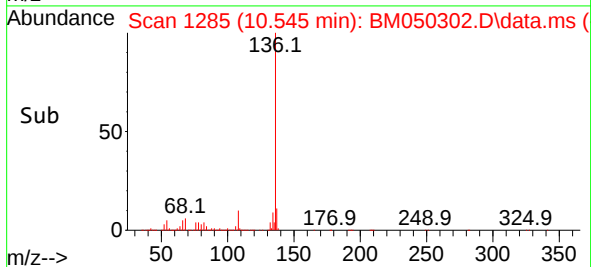
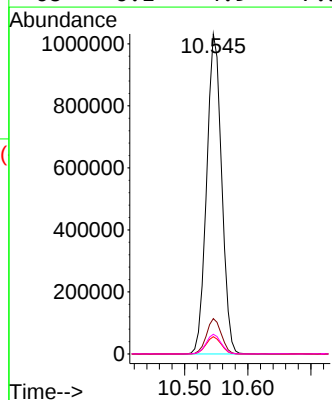
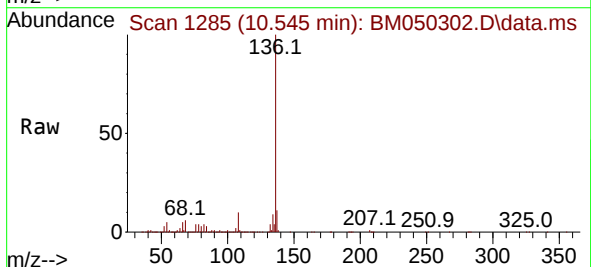
Delta R.T. -0.012 min

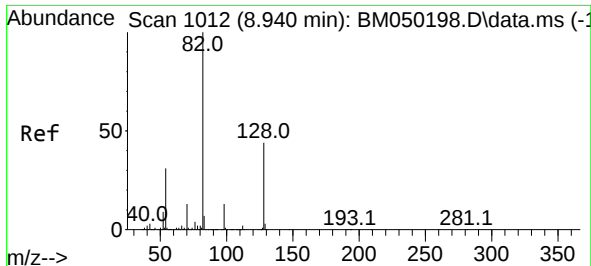
Lab File: BM050302.D

Acq: 13 Jun 2025 16:31

Tgt Ion: 136 Resp: 1702322

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.4	3.8	5.8
68	6.1	4.9	7.3

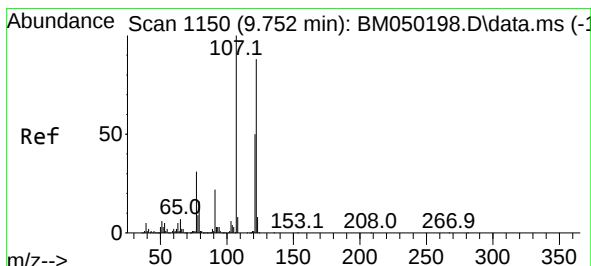
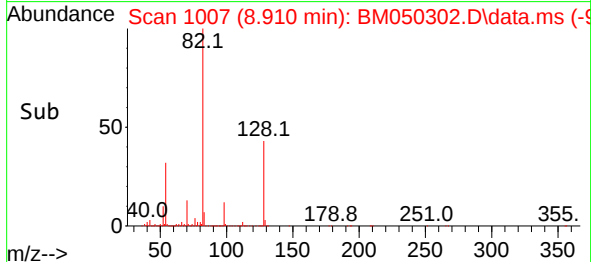
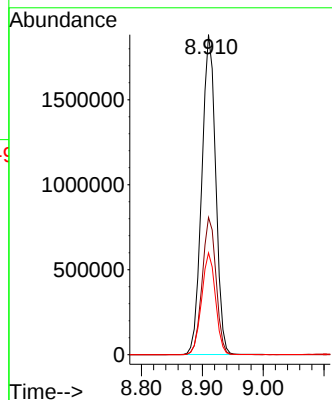
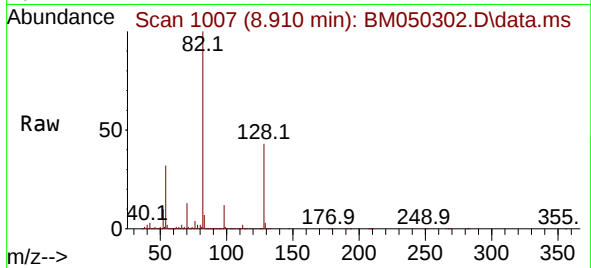




#23
Nitrobenzene-d5
Concen: 91.426 ng
RT: 8.910 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

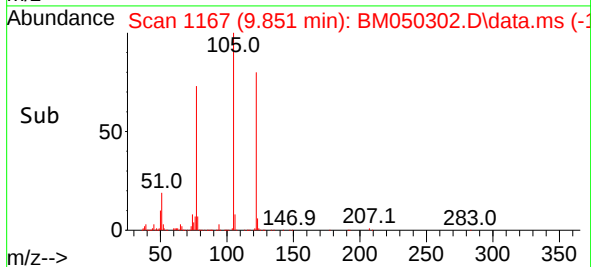
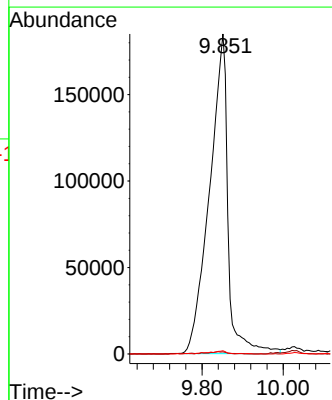
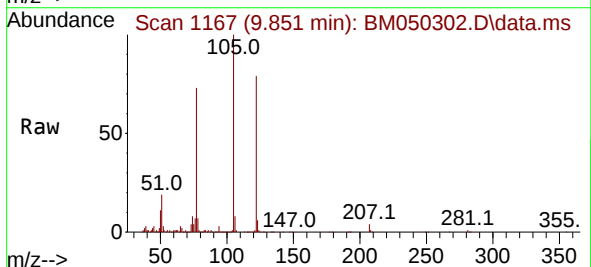
Instrument :
BNA_M
ClientSampleId :
CONCRETE-SLAB

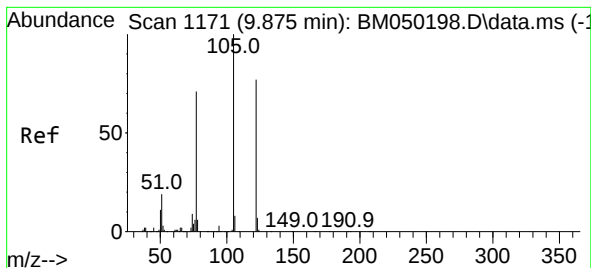
Tgt Ion: 82 Resp: 2992541
Ion Ratio Lower Upper
82 100
128 42.9 35.2 52.8
54 31.8 24.5 36.7



#27
2,4-Dimethylphenol
Concen: 22.019 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.118 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

Tgt Ion:122 Resp: 581353
Ion Ratio Lower Upper
122 100
107 0.7 91.0 136.6#
121 1.0 45.8 68.6#





#32

Benzoic acid

Concen: 35.036 ng

RT: 9.851 min Scan# 1171

Delta R.T. 0.006 min

Lab File: BM050302.D

Acq: 13 Jun 2025 16:31

Instrument :

BNA_M

ClientSampleId :

CONCRETE-SLAB

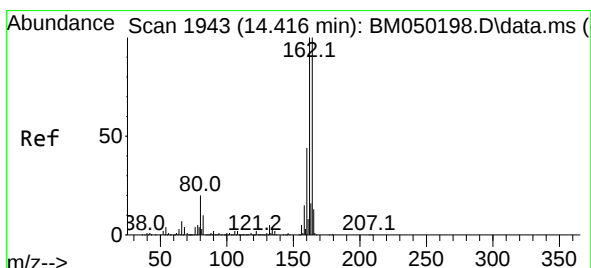
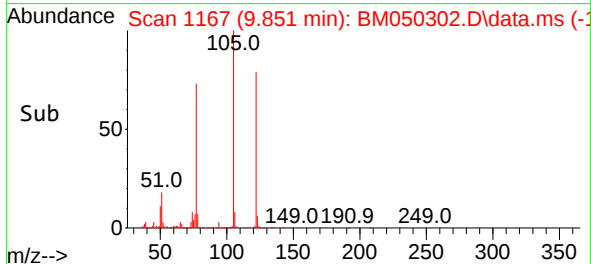
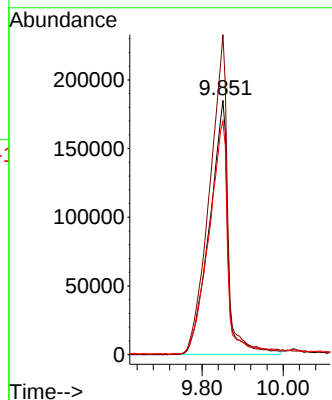
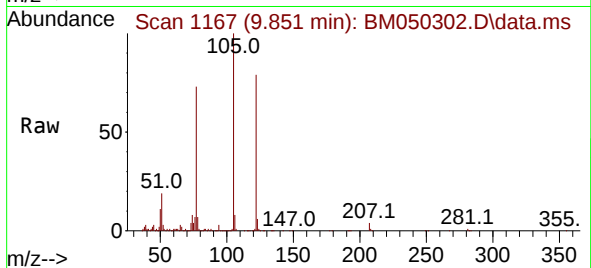
Tgt Ion:122 Resp: 581353

Ion Ratio Lower Upper

122 100

105 125.8 103.4 143.4

77 91.9 70.3 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BM050302.D

Acq: 13 Jun 2025 16:31

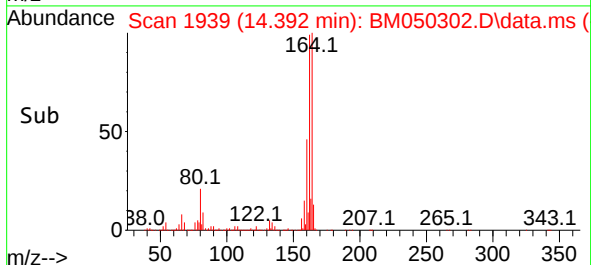
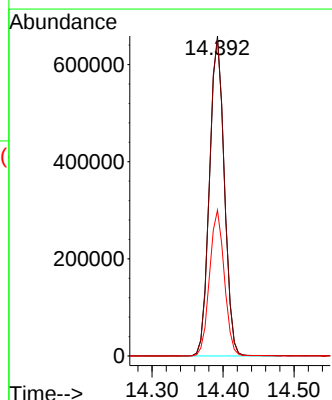
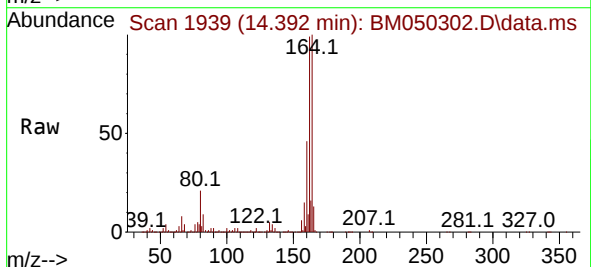
Tgt Ion:164 Resp: 953364

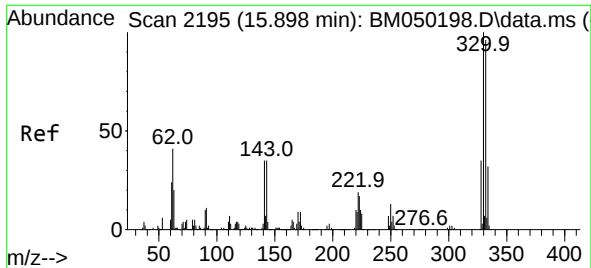
Ion Ratio Lower Upper

164 100

162 99.1 80.2 120.4

160 45.6 35.7 53.5

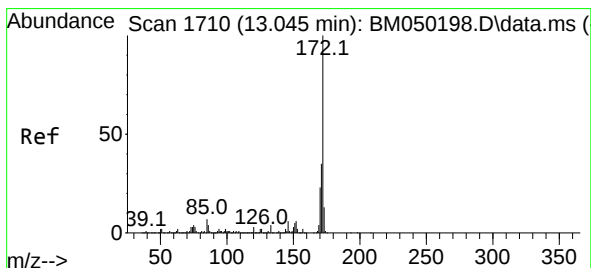
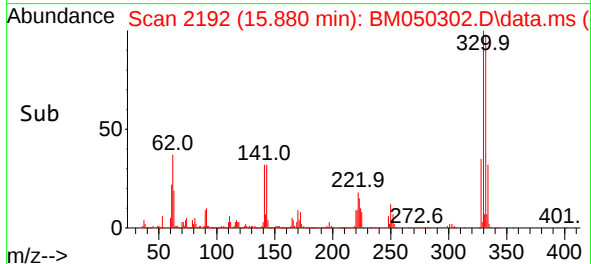
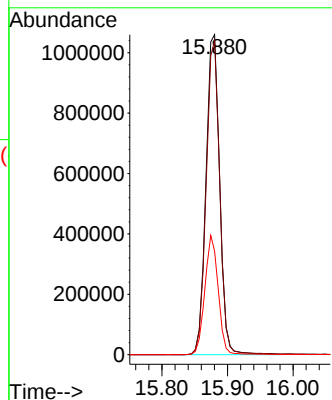
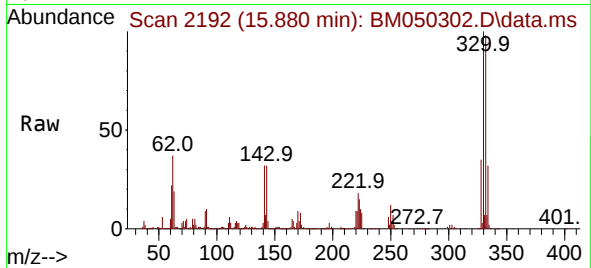




#42
2,4,6-Tribromophenol
Concen: 142.716 ng
RT: 15.880 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

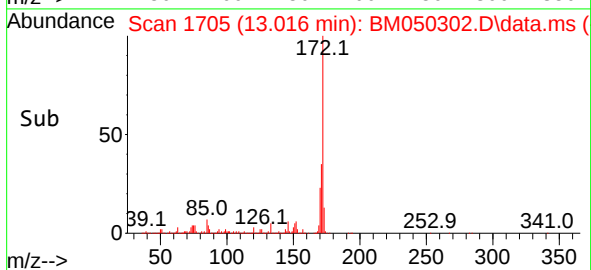
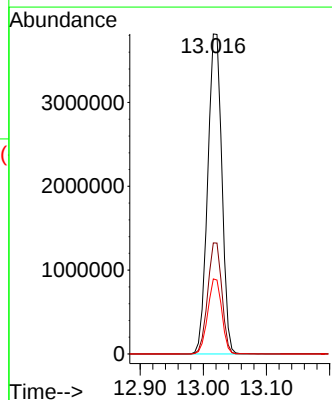
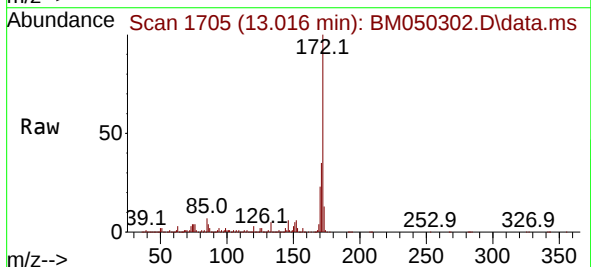
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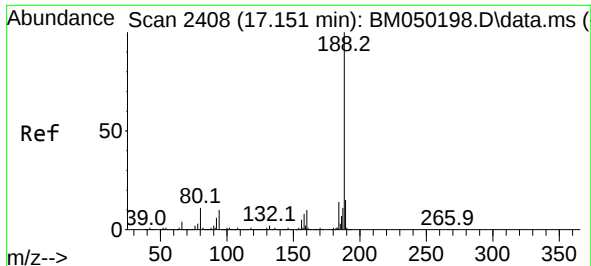
Tgt Ion:330 Resp: 1547586
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 36.4 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 84.082 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

Tgt Ion:172 Resp: 5920963
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.4 18.6 27.8

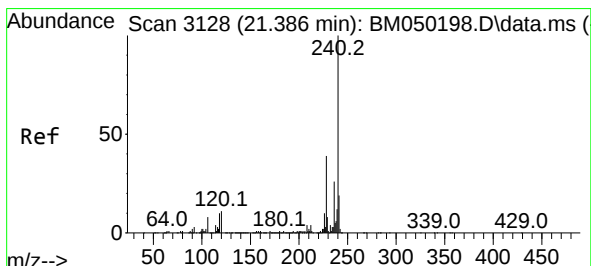
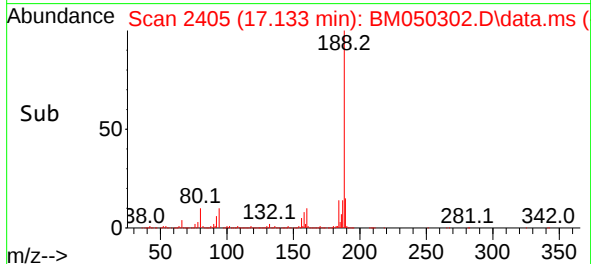
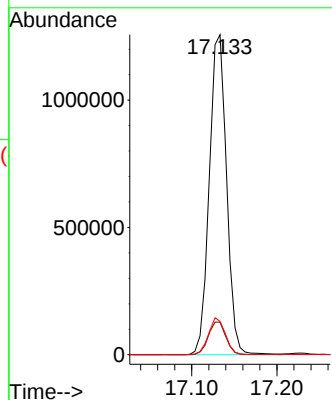
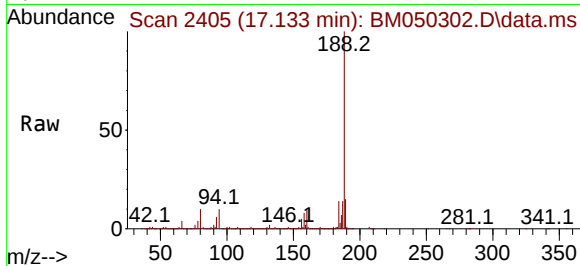




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

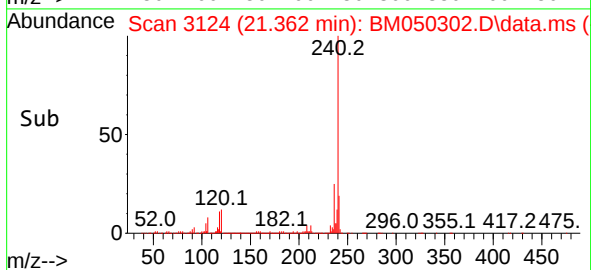
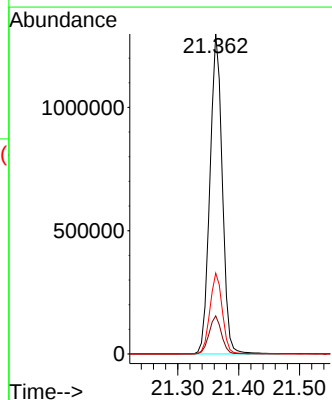
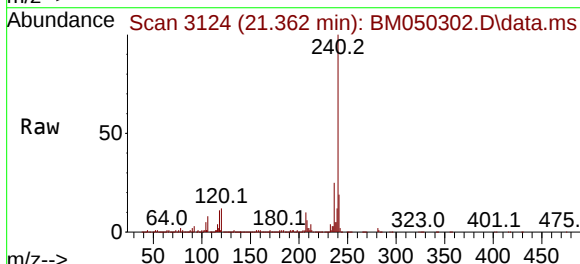
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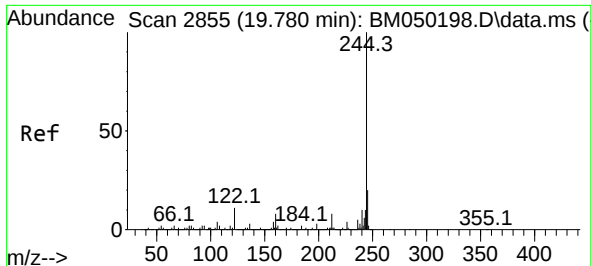
Tgt Ion:188 Resp: 1772941
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 10.4 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM050302.D
Acq: 13 Jun 2025 16:31

Tgt Ion:240 Resp: 1833717
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.4
236 25.2 20.7 31.1

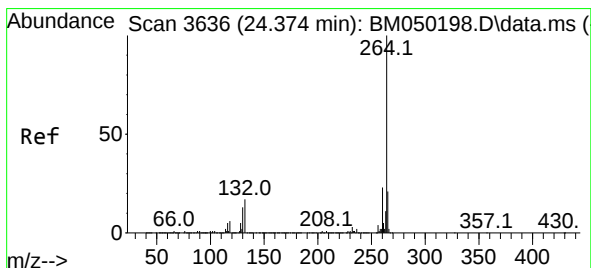
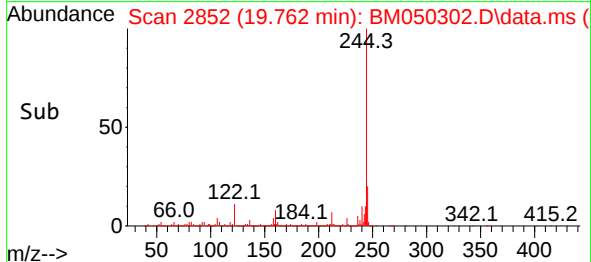
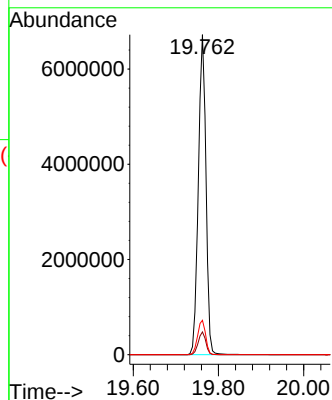
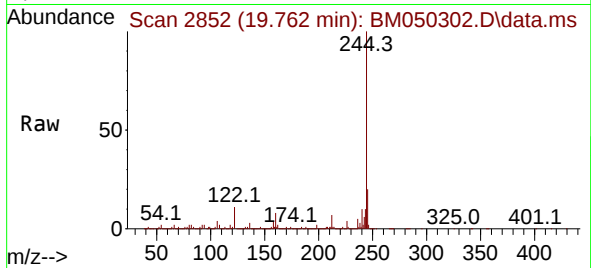




#79
 Terphenyl-d14
 Concen: 85.992 ng
 RT: 19.762 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050302.D
 Acq: 13 Jun 2025 16:31

Instrument :
 BNA_M
 ClientSampleId :
 CONCRETE-SLAB

Tgt Ion:244 Resp: 8321033
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.7 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.333 min Scan# 3629
 Delta R.T. -0.012 min
 Lab File: BM050302.D
 Acq: 13 Jun 2025 16:31

Tgt Ion:264 Resp: 1904952
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.8 16.8 25.2

