

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050393.D
 Acq On : 10 Jul 2025 17:18
 Operator : RC/JU
 Sample : Q2529-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-33

Quant Time: Jul 10 18:15:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

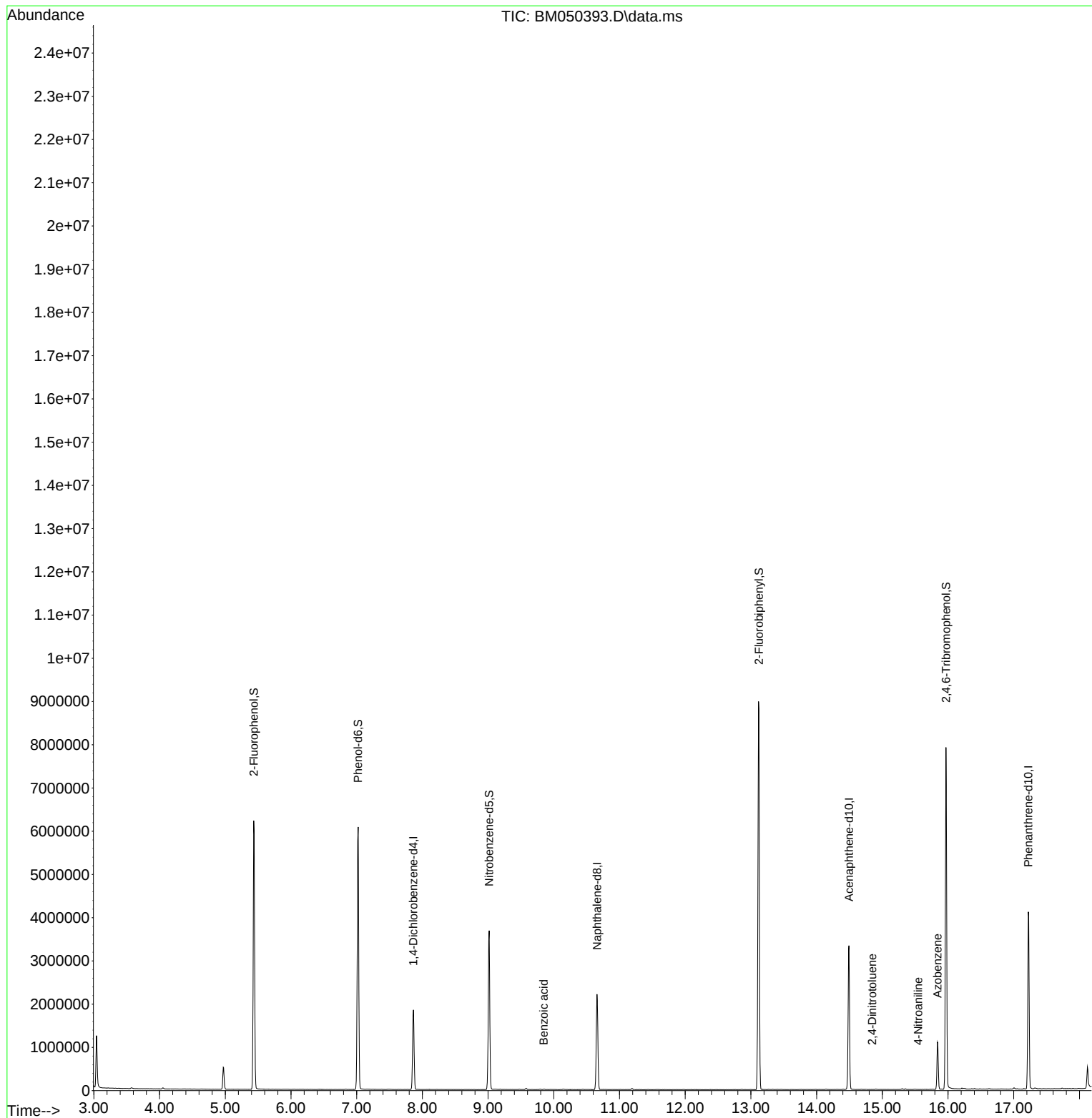
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	508555	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1849706	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1187746	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2414093	20.000	ng	0.00
76) Chrysene-d12	21.450	240	2506904	20.000	ng	0.00
86) Perylene-d12	24.491	264	2387078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2658435	89.981	ng	0.00
7) Phenol-d6	7.022	99	3377495	90.685	ng	0.00
23) Nitrobenzene-d5	9.016	82	1962407	54.127	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1399939	97.008	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	4883851	50.779	ng	0.00
79) Terphenyl-d14	19.839	244	8980489	63.029	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.845	122	78	5.978	ng	# 41
57) 2,4-Dinitrotoluene	14.845	165	187	2.732	ng	# 25
62) 4-Nitroaniline	15.545	138	54	2.589	ng	# 20
63) Azobenzene	15.839	77	303948	4.238	ng	# 1

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

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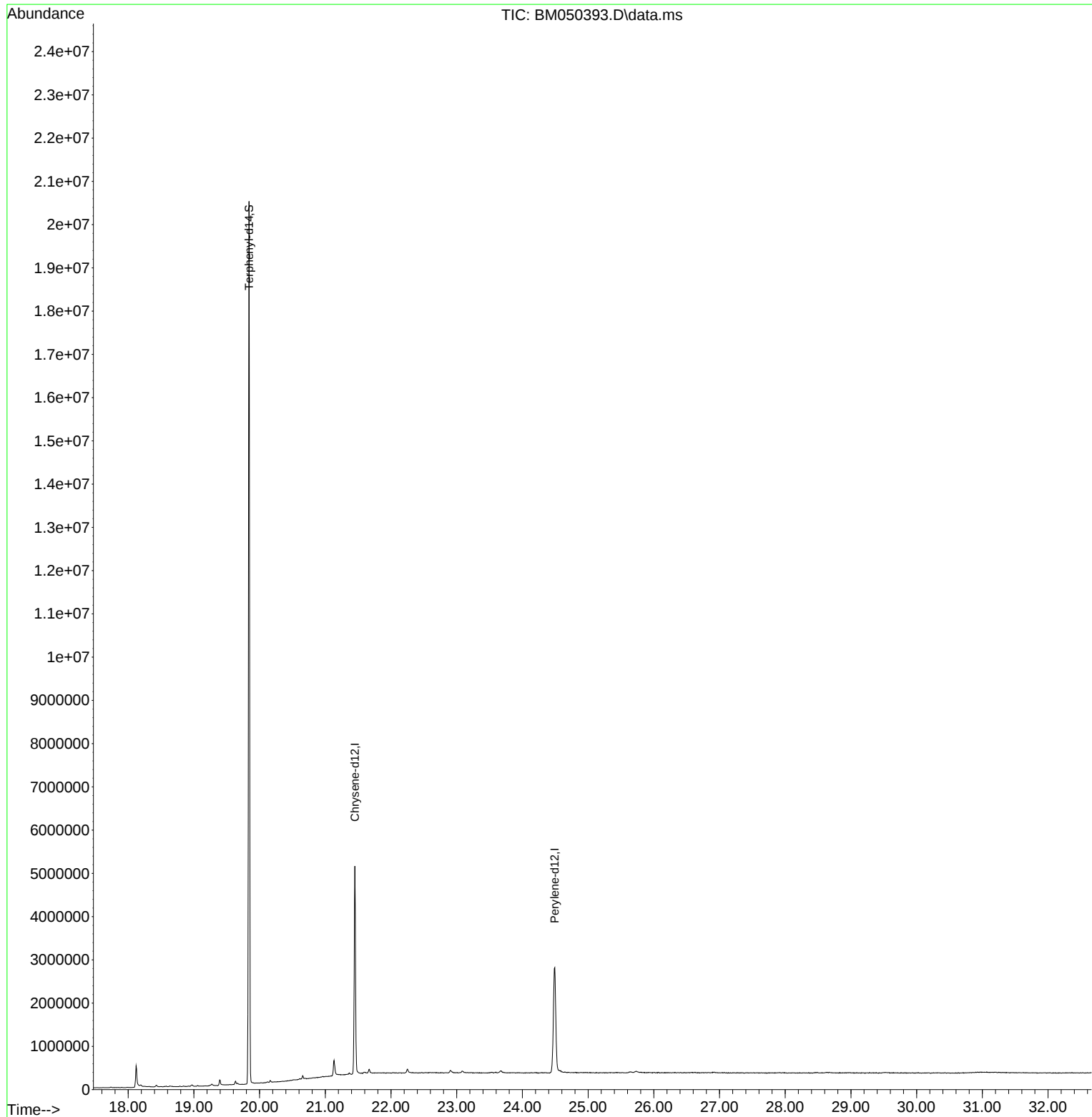
Quant Time: Jul 10 18:15:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

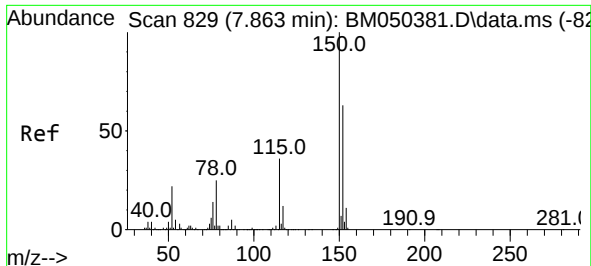


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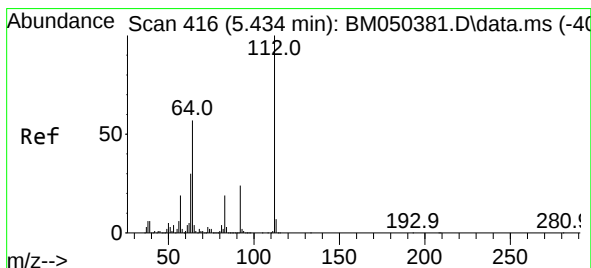
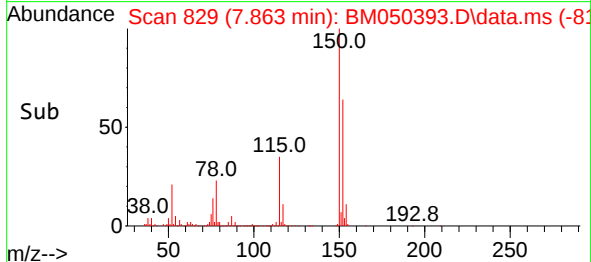
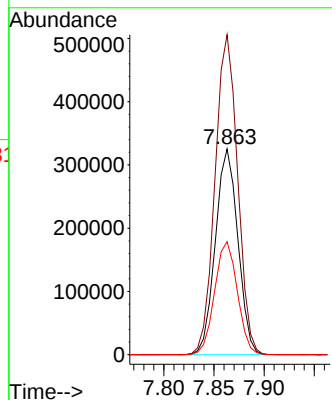
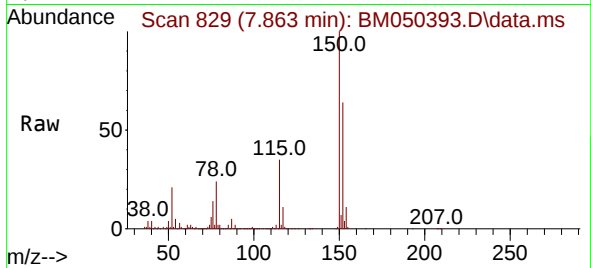




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM050393.D
 Acq: 10 Jul 2025 17:18

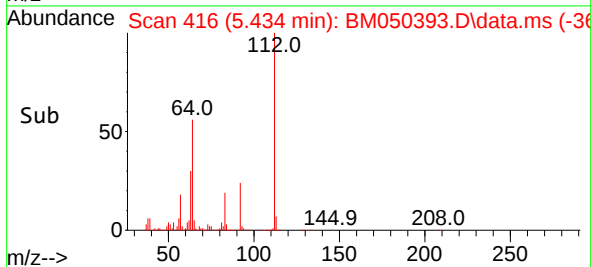
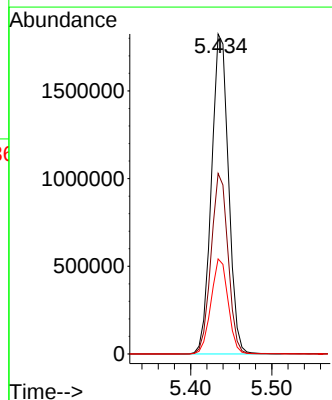
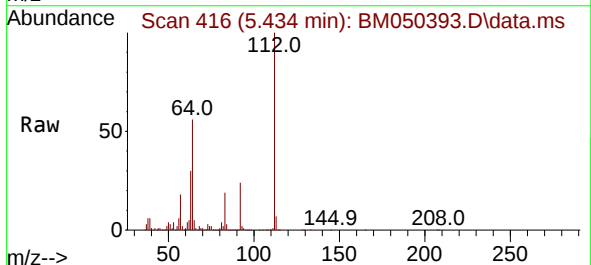
Instrument :
 BNA_M
 ClientSampleId :
 TP-33

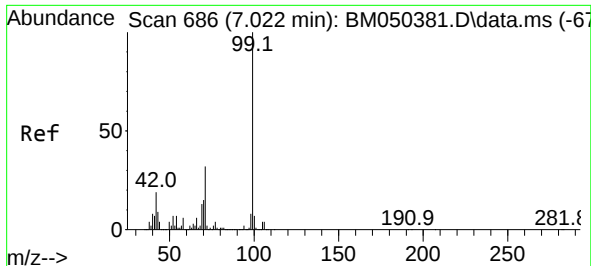
Tgt Ion:152 Resp: 508555
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.2 189.4
 115 54.9 45.8 68.8



#5
 2-Fluorophenol
 Concen: 89.981 ng
 RT: 5.434 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BM050393.D
 Acq: 10 Jul 2025 17:18

Tgt Ion:112 Resp: 2658435
 Ion Ratio Lower Upper
 112 100
 64 56.4 45.5 68.3
 63 29.7 24.2 36.4



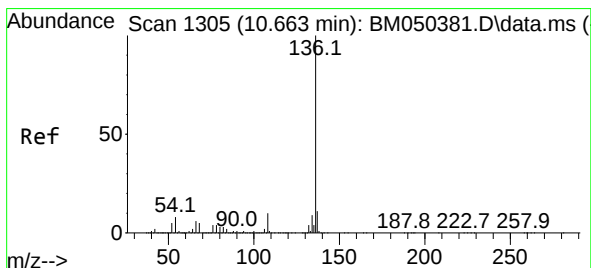
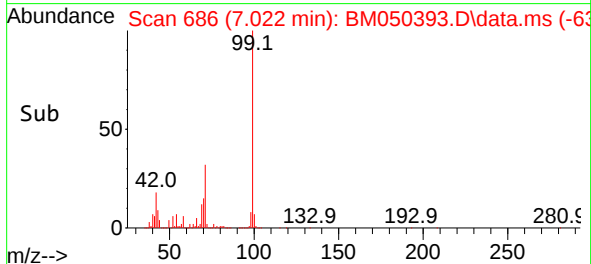
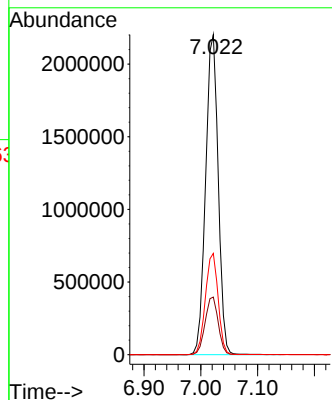
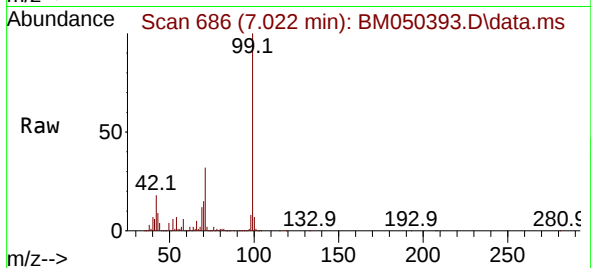


#7
Phenol-d6
Concen: 90.685 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Instrument :
BNA_M
ClientSampleId :
TP-33

Tgt Ion: 99 Resp: 3377495

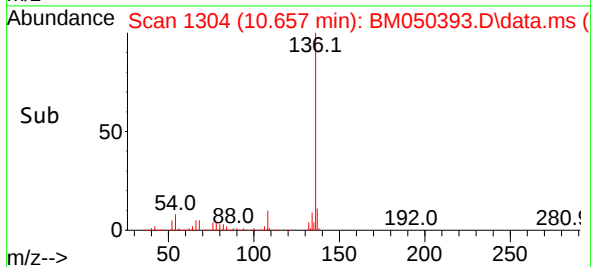
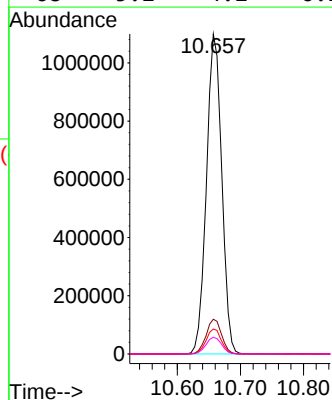
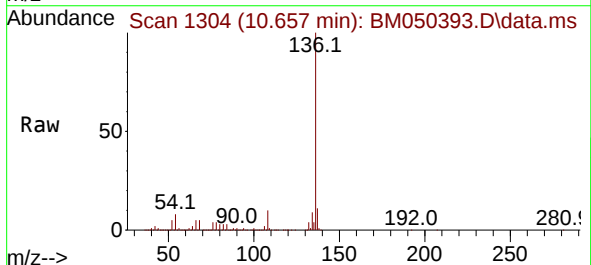
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.6
71	31.6	25.9	38.9

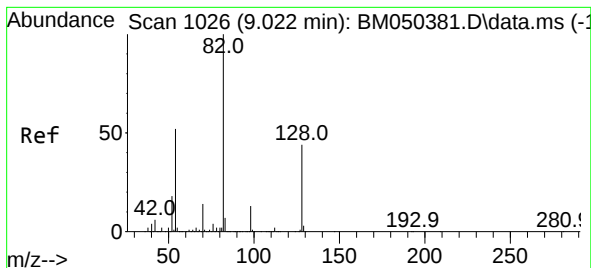


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Tgt Ion: 136 Resp: 1849706

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.8	6.3	9.5
68	5.2	4.2	6.2





#23

Nitrobenzene-d5

Concen: 54.127 ng

RT: 9.016 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BM050393.D

Acq: 10 Jul 2025 17:18

Instrument :

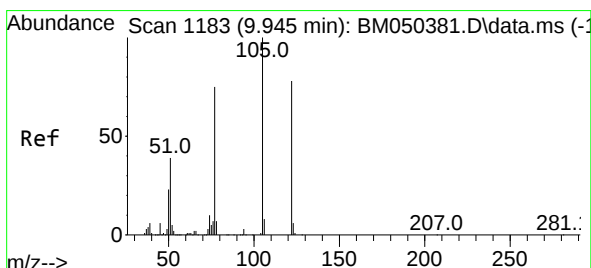
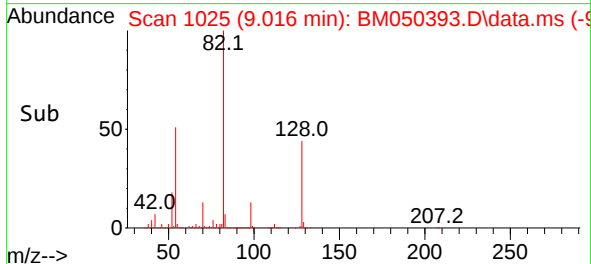
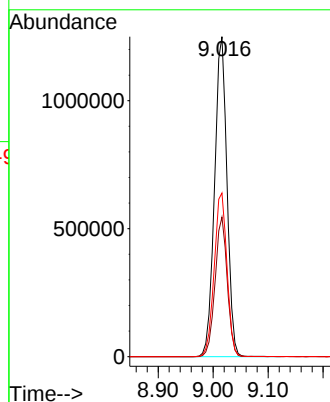
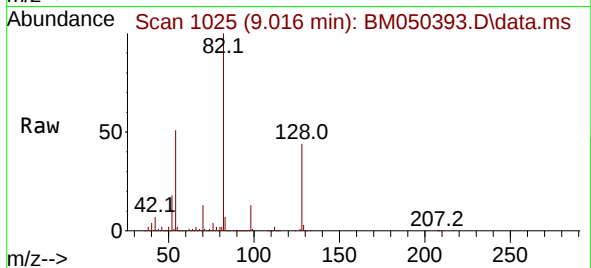
BNA_M

ClientSampleId :

TP-33

Tgt Ion: 82 Resp: 1962407

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.2	52.8
54	51.2	41.5	62.3



#32

Benzoic acid

Concen: 5.978 ng

RT: 9.845 min Scan# 1166

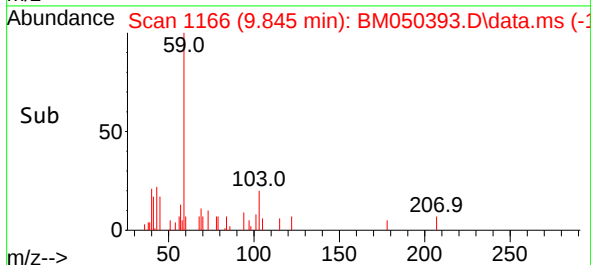
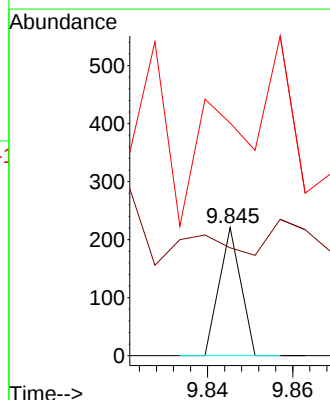
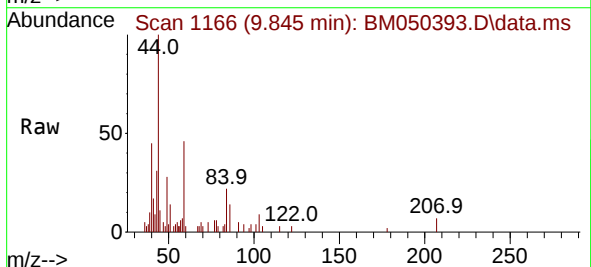
Delta R.T. -0.100 min

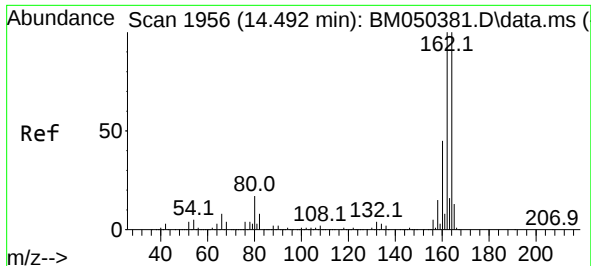
Lab File: BM050393.D

Acq: 10 Jul 2025 17:18

Tgt Ion:122 Resp: 78

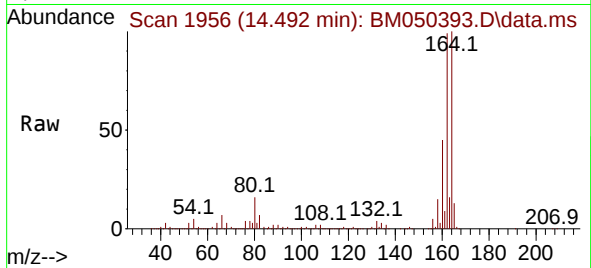
Ion	Ratio	Lower	Upper
122	100		
105	84.2	104.0	144.0#
77	181.4	73.8	113.8#





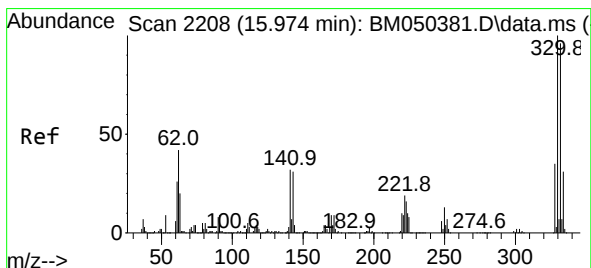
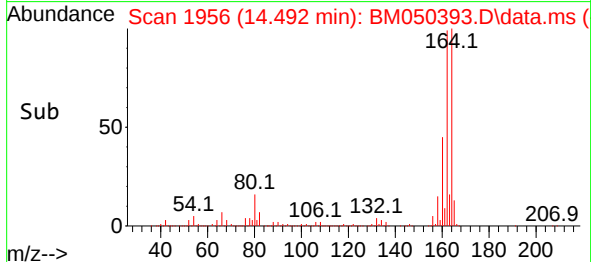
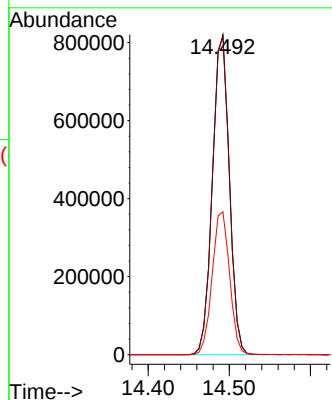
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Instrument :
BNA_M
ClientSampleId :
TP-33



Tgt Ion:164 Resp: 1187746

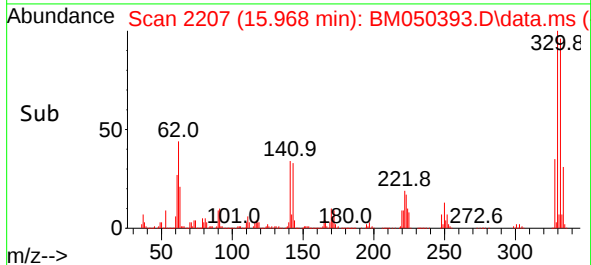
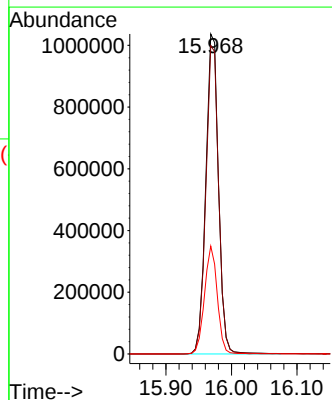
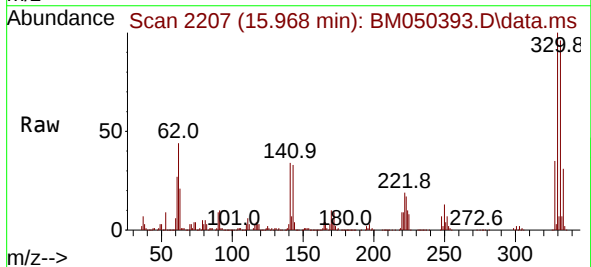
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.9	119.9
160	44.7	36.2	54.4

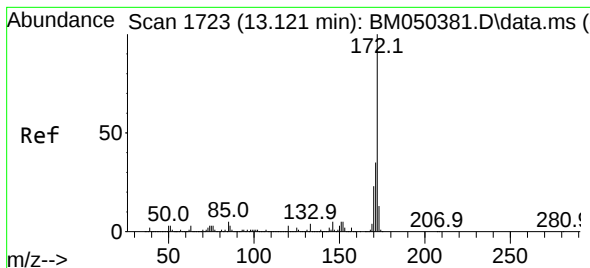


#42
2,4,6-Tribromophenol
Concen: 97.008 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Tgt Ion:330 Resp: 1399939

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	34.0	27.4	41.0





#45

2-Fluorobiphenyl

Concen: 50.779 ng

RT: 13.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050393.D

Acq: 10 Jul 2025 17:18

Instrument :

BNA_M

ClientSampleId :

TP-33

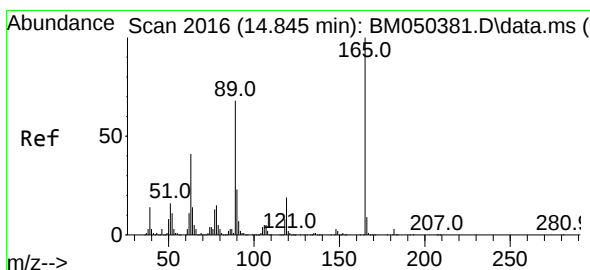
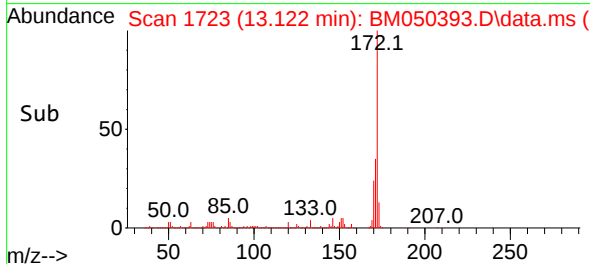
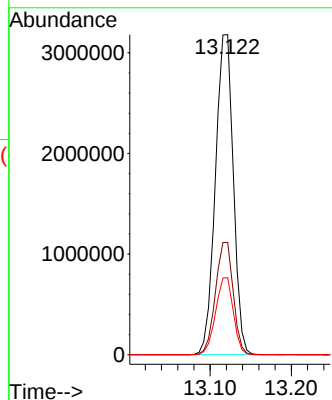
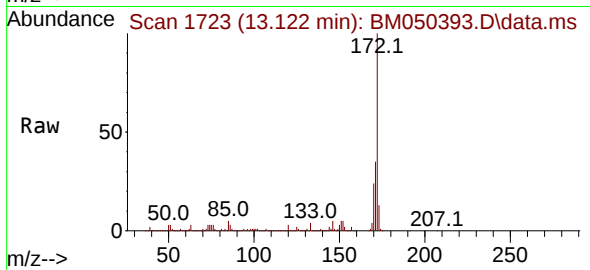
Tgt Ion:172 Resp: 4883851

Ion Ratio Lower Upper

172 100

171 35.0 27.7 41.5

170 24.1 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.732 ng

RT: 14.845 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BM050393.D

Acq: 10 Jul 2025 17:18

Tgt Ion:165 Resp: 187

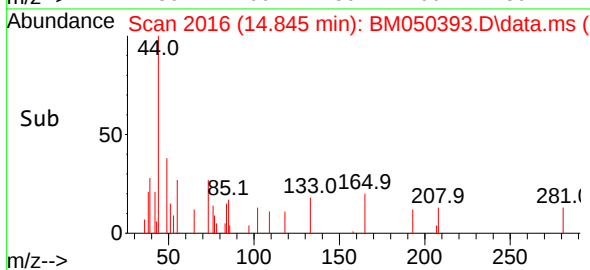
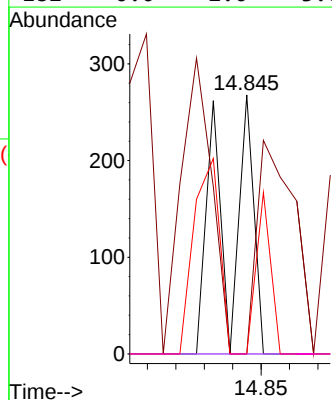
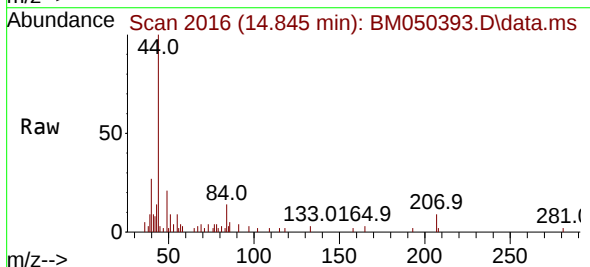
Ion Ratio Lower Upper

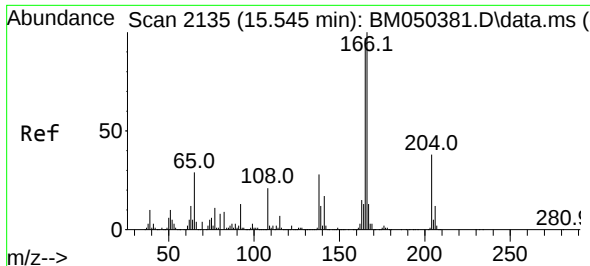
165 100

63 0.0 32.5 48.7#

89 0.0 54.0 81.0#

182 0.0 2.0 3.0#

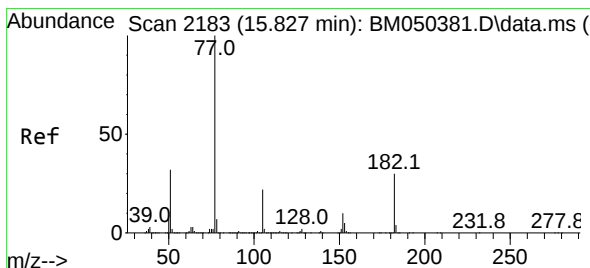
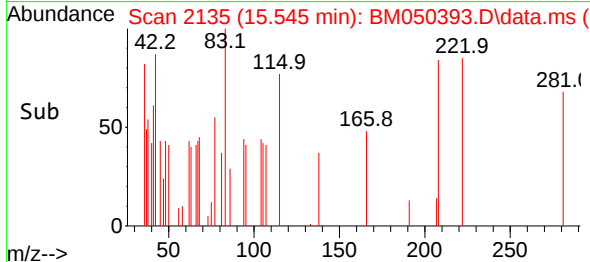
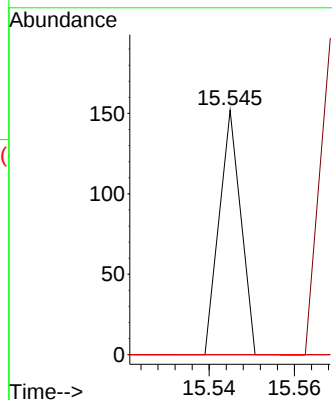
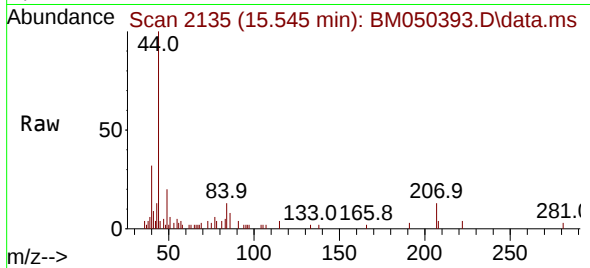




#62
4-Nitroaniline
Concen: 2.589 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

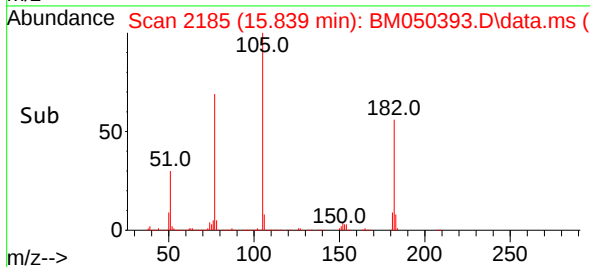
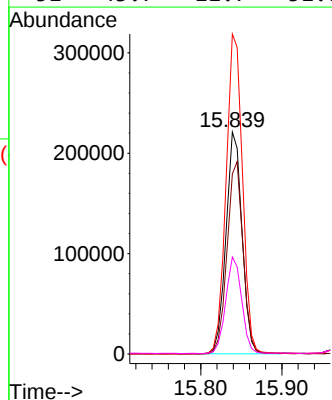
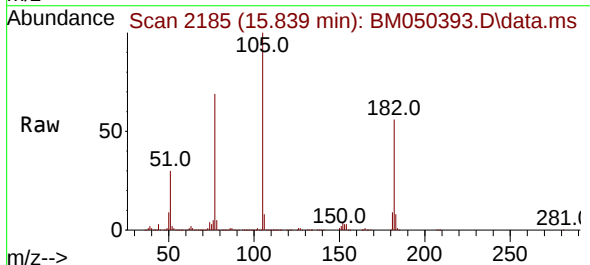
Instrument :
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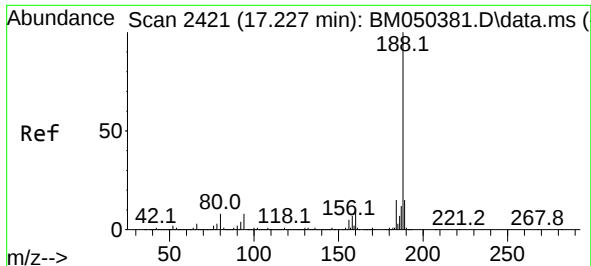
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 24.5 64.5#
108 0.0 52.5 92.5#



#63
Azobenzene
Concen: 4.238 ng
RT: 15.839 min Scan# 2185
Delta R.T. 0.012 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Tgt Ion: 77 Resp: 303948
Ion Ratio Lower Upper
77 100
182 81.1 10.0 50.0#
105 144.2 2.0 42.0#
51 43.7 11.7 51.7

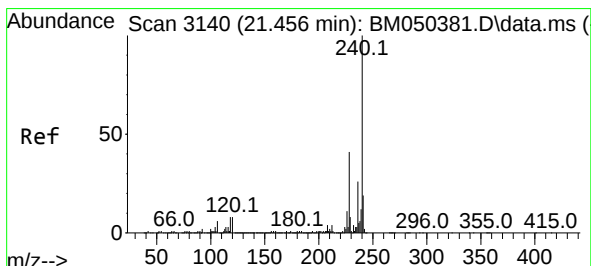
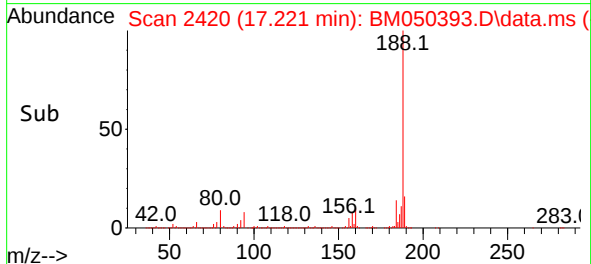
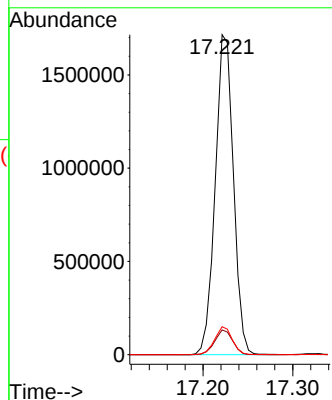
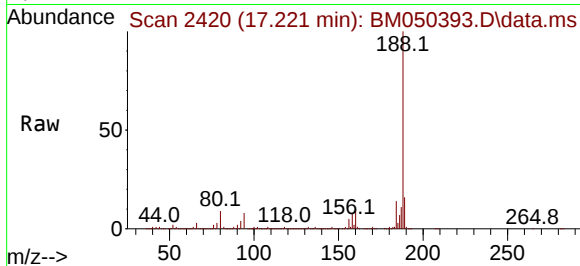




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

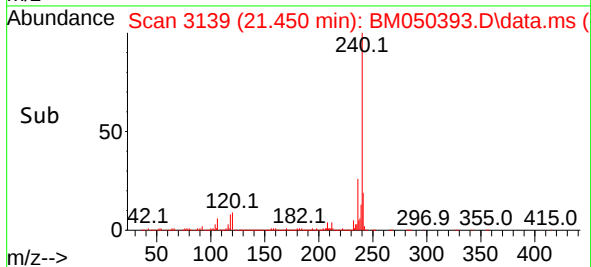
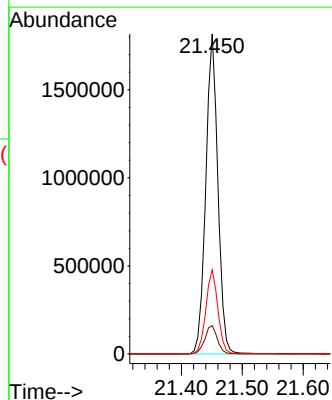
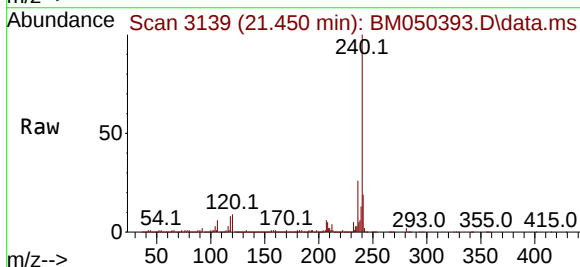
Instrument :
BNA_M
ClientSampleId :
TP-33

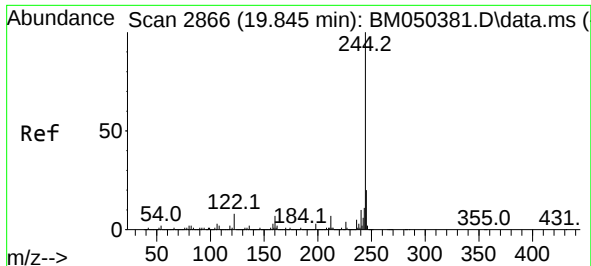
Tgt Ion:188 Resp: 2414093
Ion Ratio Lower Upper
188 100
94 7.8 6.0 9.0
80 8.8 6.5 9.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050393.D
Acq: 10 Jul 2025 17:18

Tgt Ion:240 Resp: 2506904
Ion Ratio Lower Upper
240 100
120 8.8 6.7 10.1
236 26.3 20.7 31.1

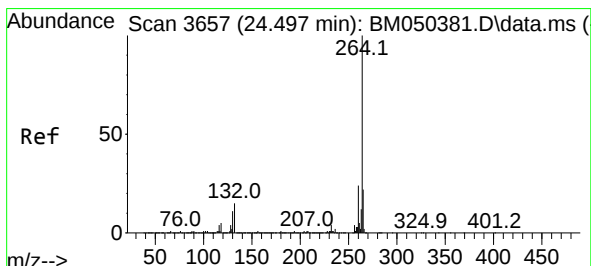
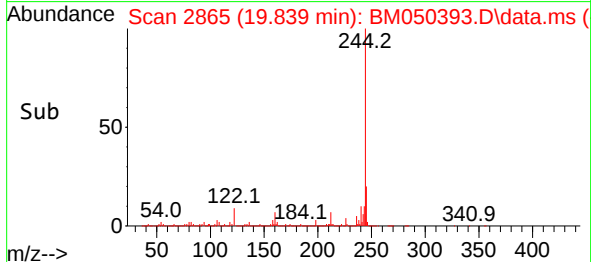
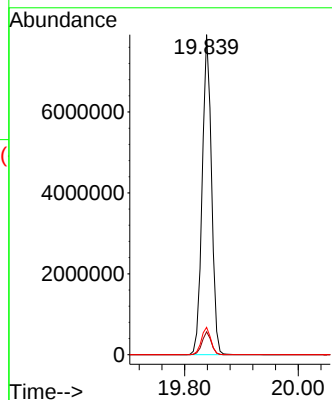
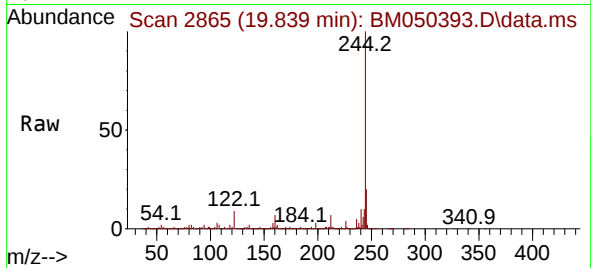




#79
 Terphenyl-d14
 Concen: 63.029 ng
 RT: 19.839 min Scan# 2
 Delta R.T. -0.006 min
 Lab File: BM050393.D
 Acq: 10 Jul 2025 17:18

Instrument :
 BNA_M
 ClientSampleId :
 TP-33

Tgt Ion:244 Resp: 8980489
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 8.6 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.491 min Scan# 3656
 Delta R.T. -0.006 min
 Lab File: BM050393.D
 Acq: 10 Jul 2025 17:18

Tgt Ion:264 Resp: 2387078
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.3 17.8 26.6

