

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
 Data File : BM049839.D
 Acq On : 07 Apr 2025 14:43
 Operator : RC/JU
 Sample : Q1675-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 K1

Quant Time: Apr 07 15:40:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

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

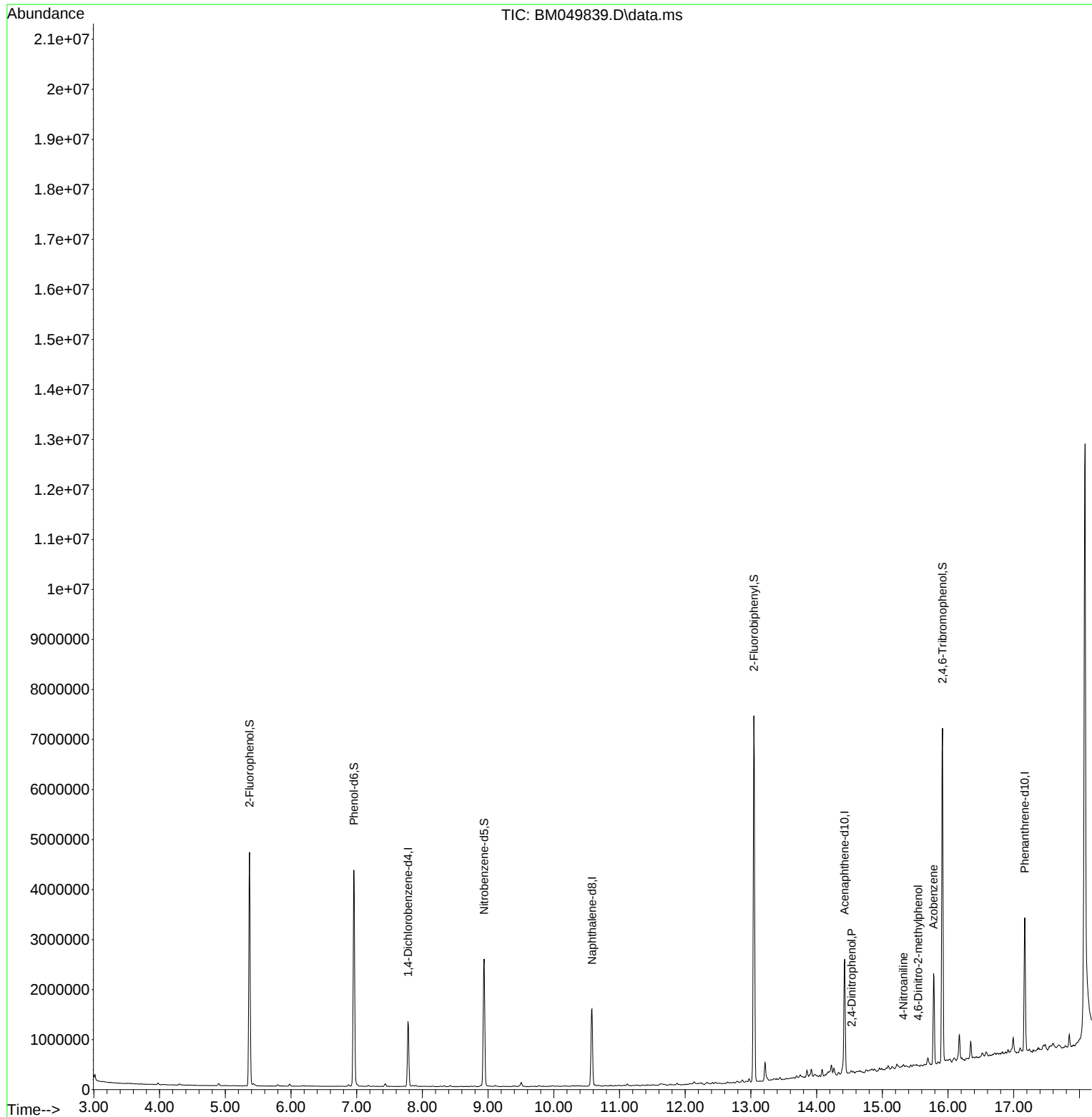
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	377673	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1316947	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	831557	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1563937	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1483521	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1673412	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2098672	93.762	ng	-0.02
7) Phenol-d6	6.957	99	2507550	89.270	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1488547	58.032	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	1363728	140.444	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3865895	58.223	ng	-0.02
79) Terphenyl-d14	19.792	244	5465209	62.079	ng	-0.02
Target Compounds						
54) 2,4-Dinitrophenol	14.533	184	65	3.200	ng	# 1
62) 4-Nitroaniline	15.321	138	6432	4.214	ng	93
63) Azobenzene	15.780	77	478519	9.291	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.545	198	64	3.023	ng	# 1

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

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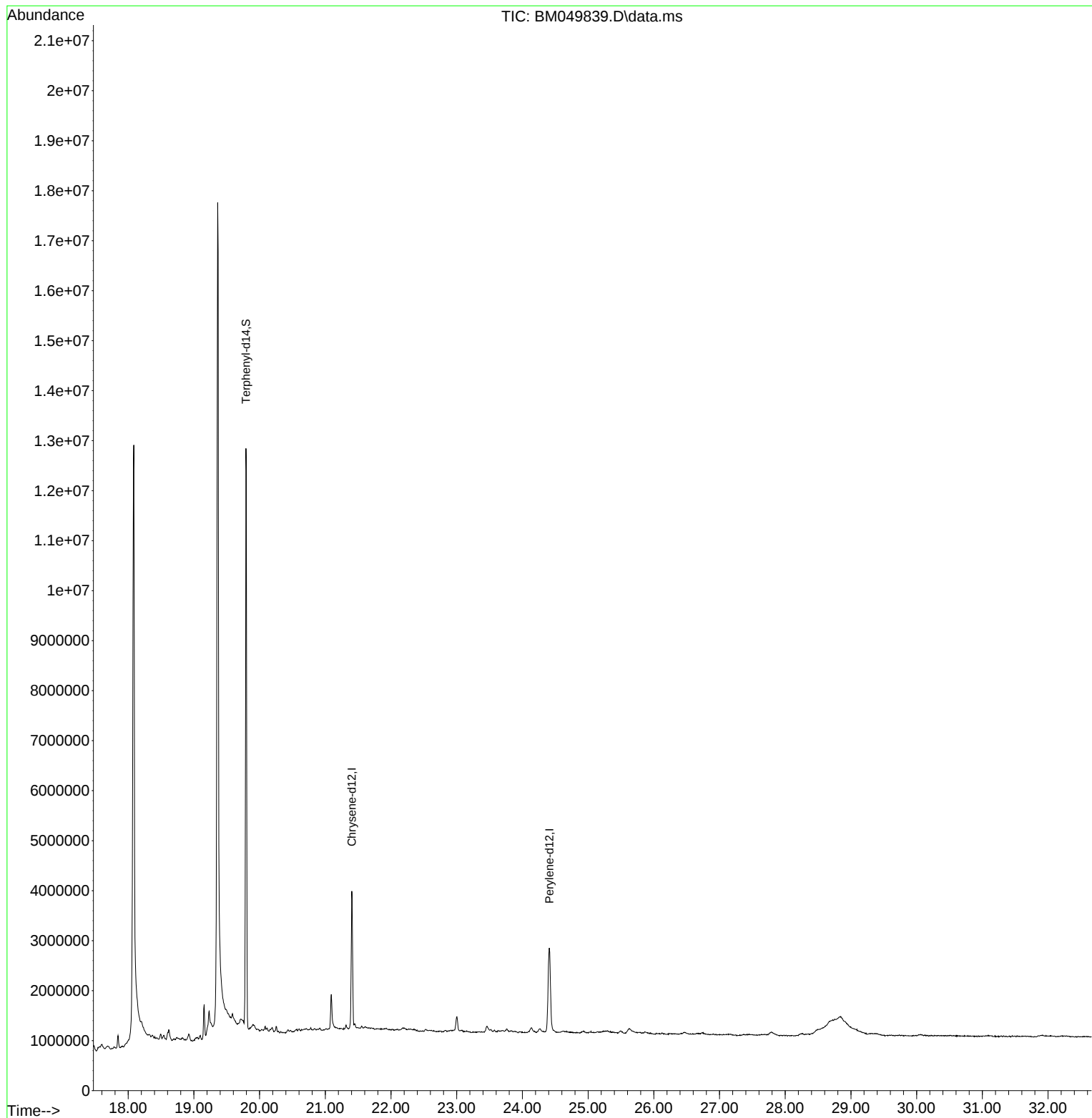
Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

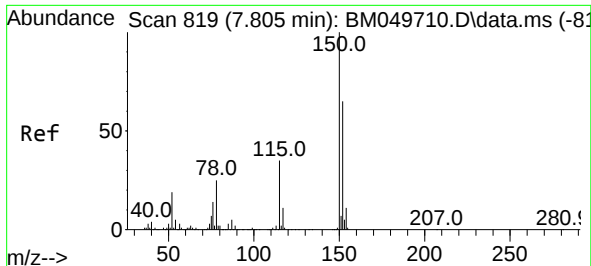


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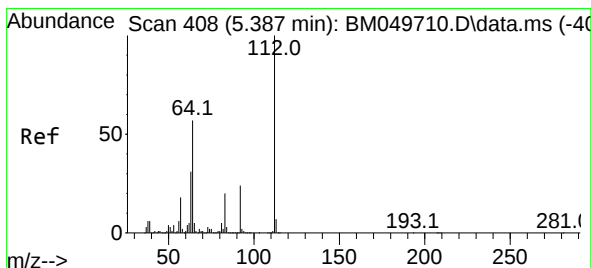
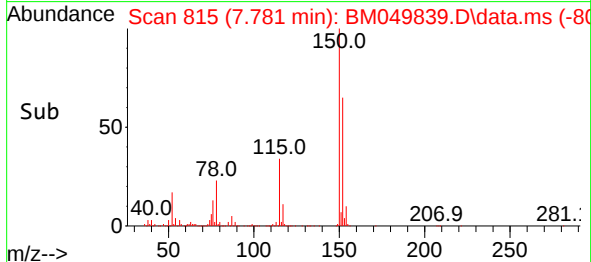
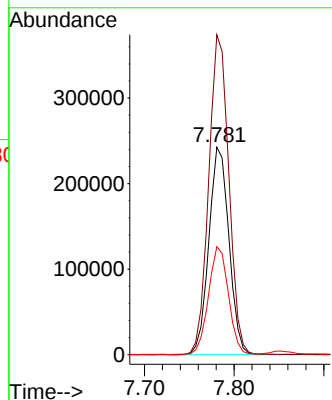
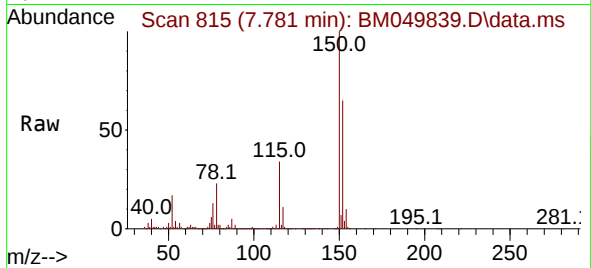




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 819
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

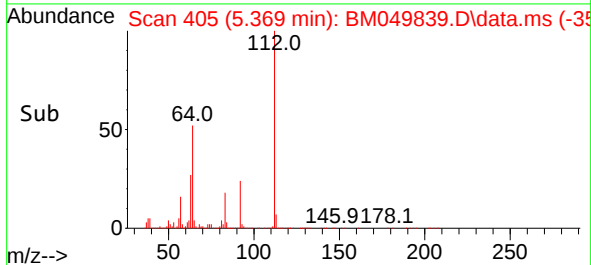
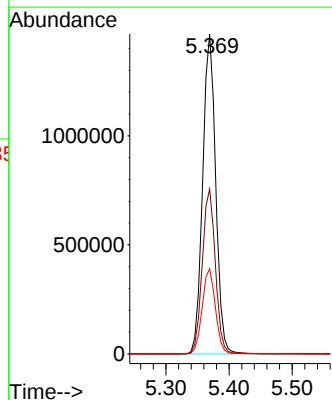
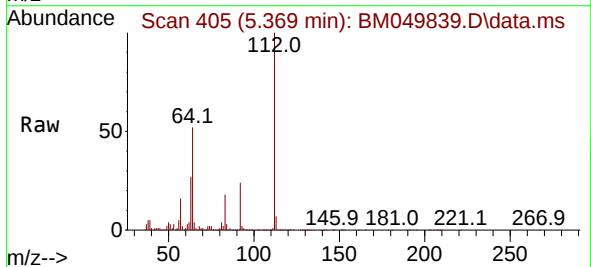
Instrument :
BNA_M
ClientSampleId :
K1

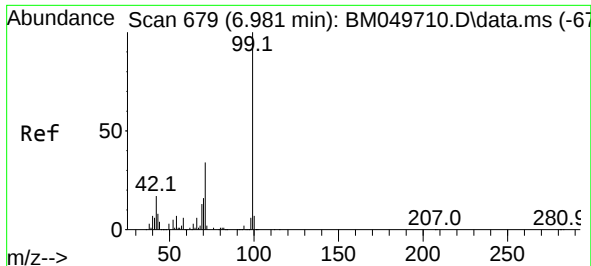
Tgt Ion:152 Resp: 377673
Ion Ratio Lower Upper
152 100
150 154.2 123.8 185.8
115 52.0 43.0 64.6



#5
2-Fluorophenol
Concen: 93.762 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:112 Resp: 2098672
Ion Ratio Lower Upper
112 100
64 51.5 45.3 67.9
63 26.6 24.4 36.6

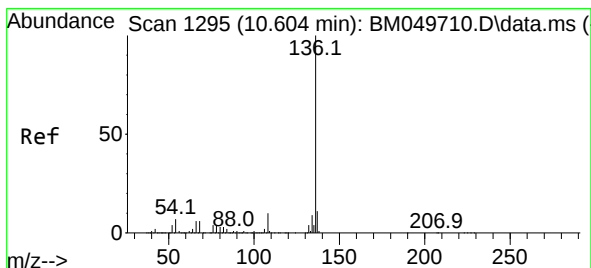
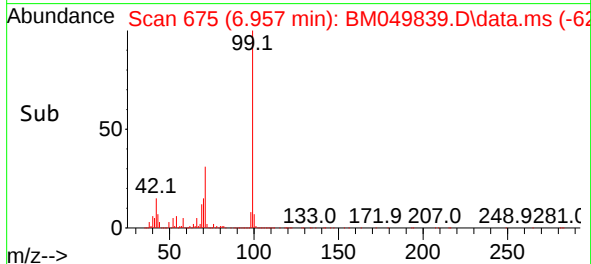
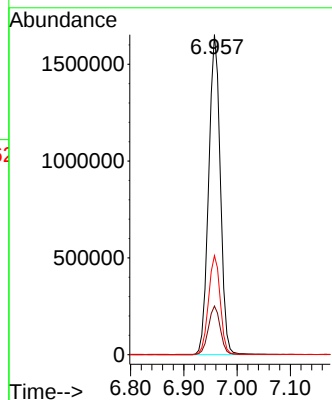
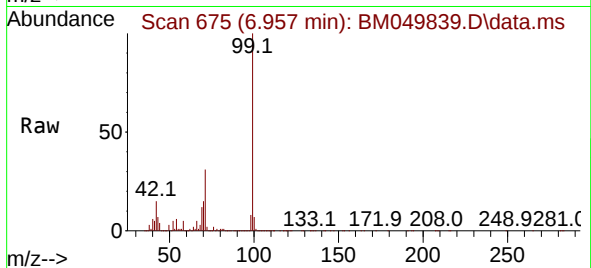




#7
Phenol-d6
Concen: 89.270 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

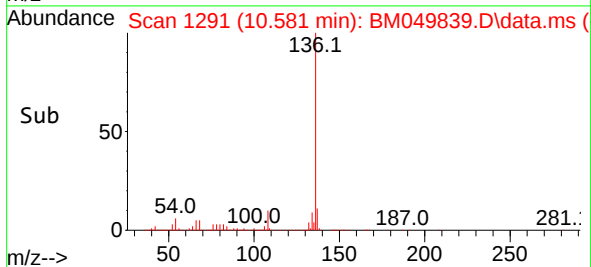
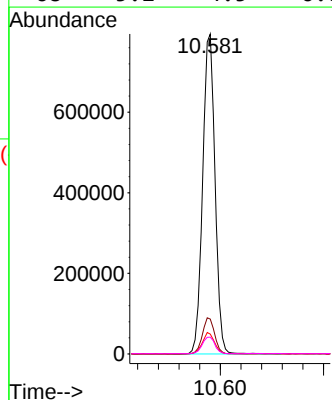
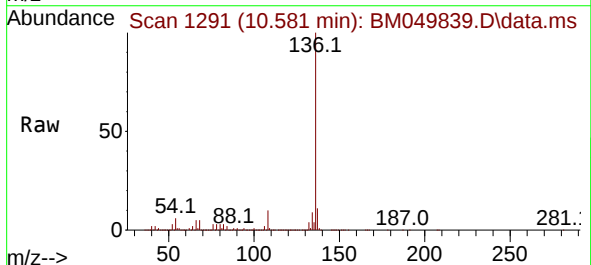
Instrument :
BNA_M
ClientSampleId :
K1

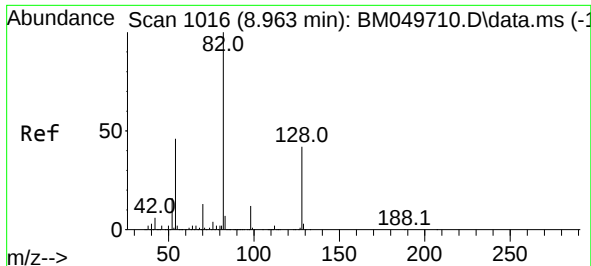
Tgt Ion: 99 Resp: 2507550
Ion Ratio Lower Upper
99 100
42 15.2 13.6 20.4
71 31.0 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion: 136 Resp: 1316947
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.2 5.8 8.8
68 5.2 4.5 6.7

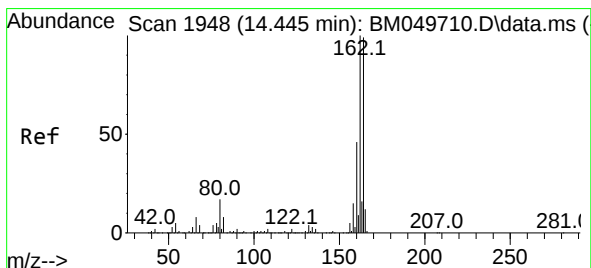
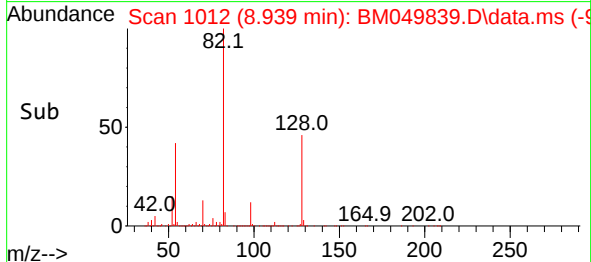
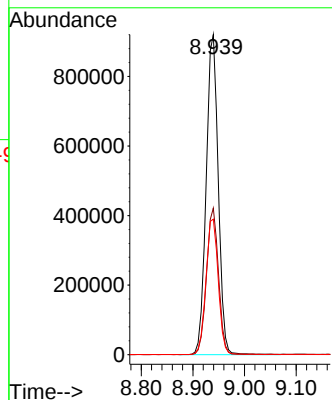
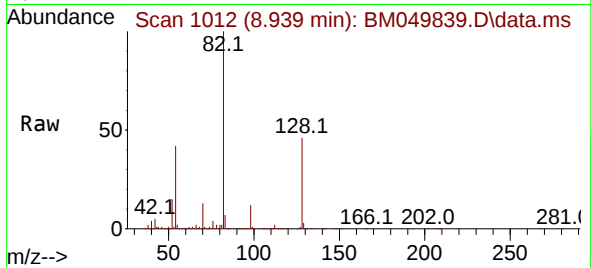




#23
Nitrobenzene-d5
Concen: 58.032 ng
RT: 8.939 min Scan# 1012
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

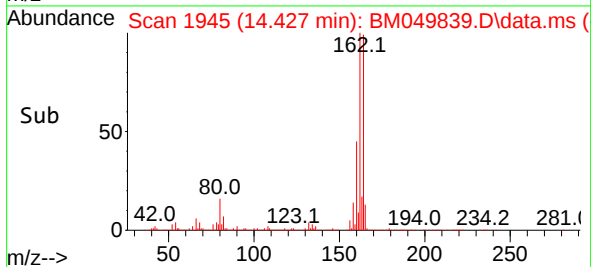
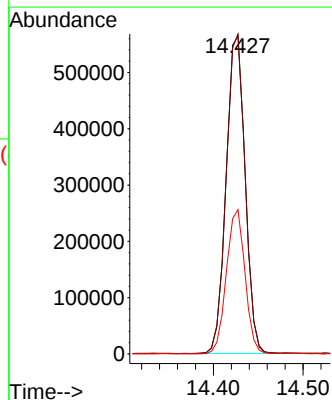
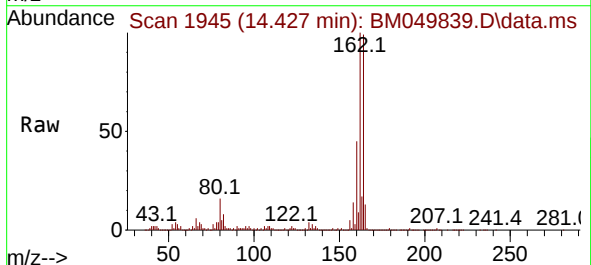
Instrument :
BNA_M
ClientSampleId :
K1

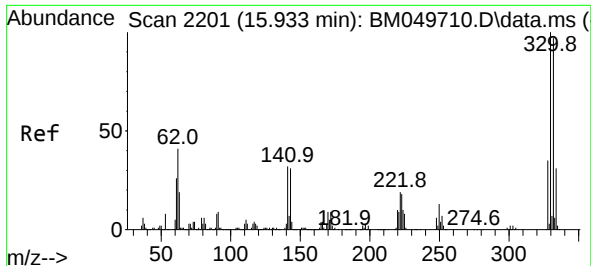
Tgt Ion: 82 Resp: 1488547
Ion Ratio Lower Upper
82 100
128 45.8 33.4 50.0
54 42.3 36.4 54.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:164 Resp: 831557
Ion Ratio Lower Upper
164 100
162 100.7 80.5 120.7
160 45.4 36.9 55.3

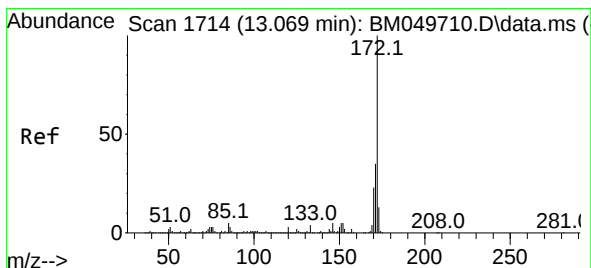
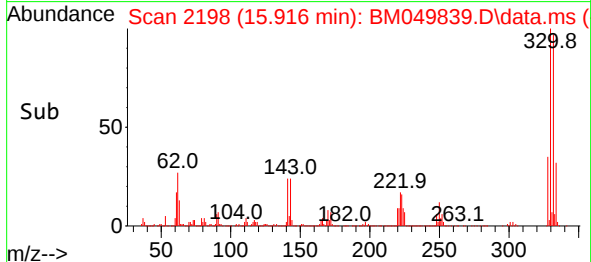
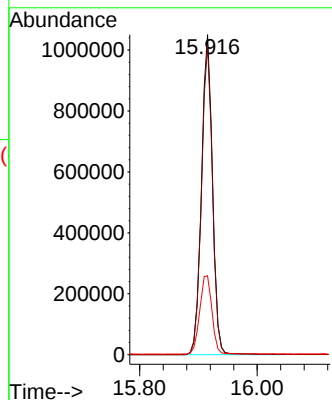
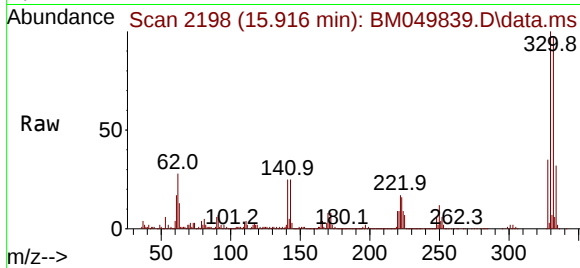




#42
2,4,6-Tribromophenol
Concen: 140.444 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

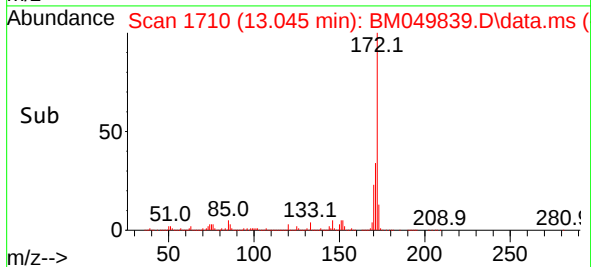
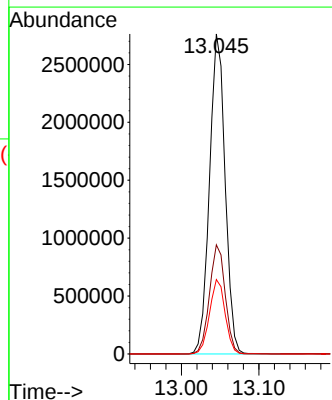
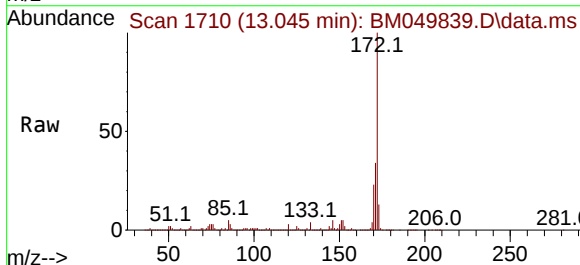
Instrument :
BNA_M
ClientSampleId :
K1

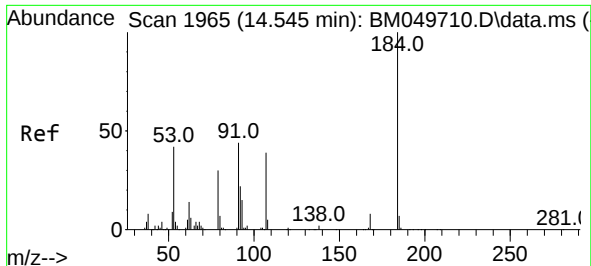
Tgt Ion:330 Resp: 1363728
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 27.1 27.8 41.6#



#45
2-Fluorobiphenyl
Concen: 58.223 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:172 Resp: 3865895
Ion Ratio Lower Upper
172 100
171 34.1 27.9 41.9
170 23.2 18.6 28.0

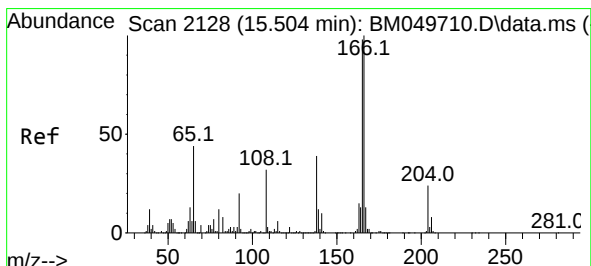
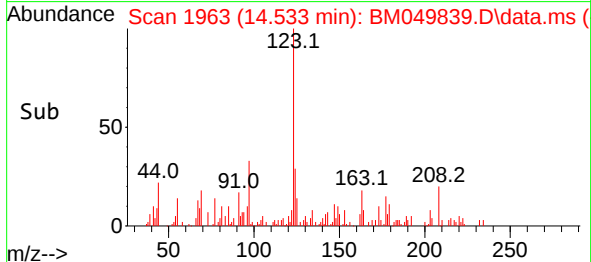
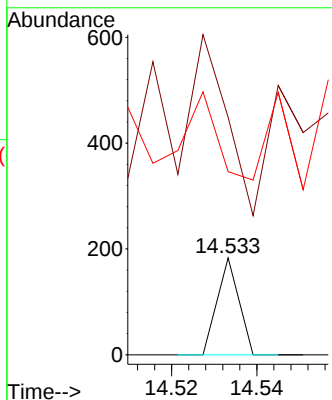
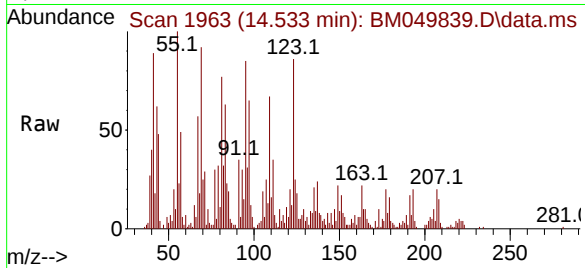




#54
2,4-Dinitrophenol
Concen: 3.200 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

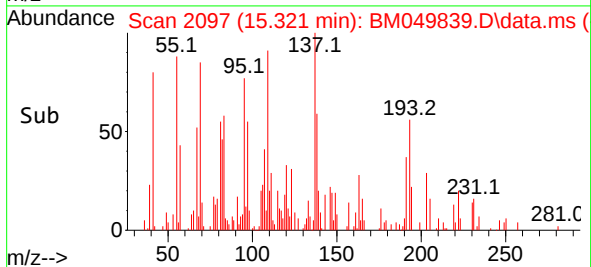
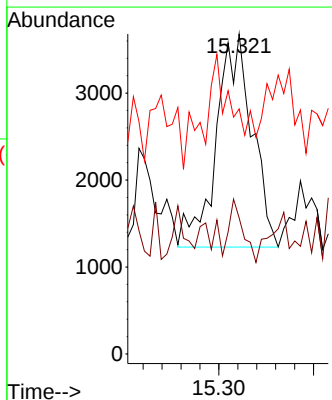
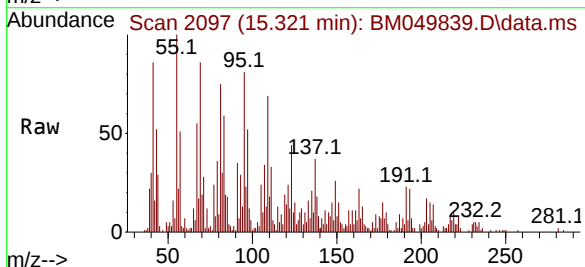
Instrument :
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ClientSampleId :
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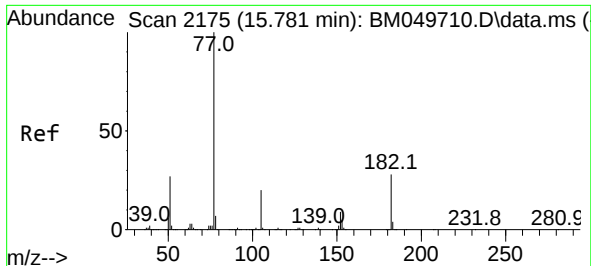
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 245.4 47.2 70.8#
154 189.1 49.9 74.9#



#62
4-Nitroaniline
Concen: 4.214 ng
RT: 15.321 min Scan# 2097
Delta R.T. -0.183 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:138 Resp: 6432
Ion Ratio Lower Upper
138 100
92 42.5 29.8 69.8
108 76.6 61.3 101.3

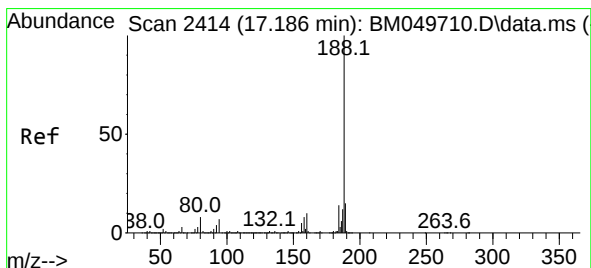
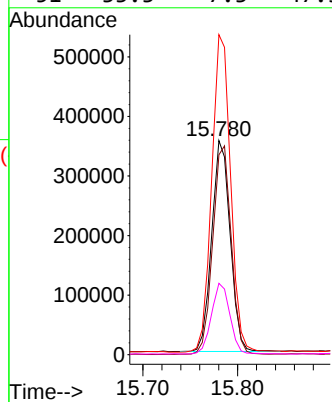
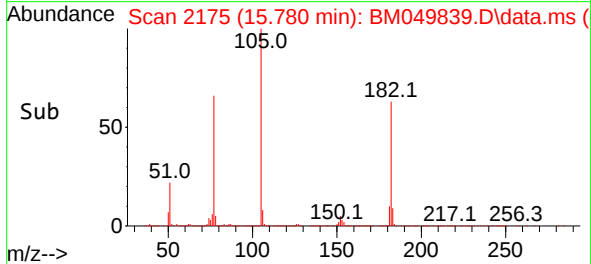
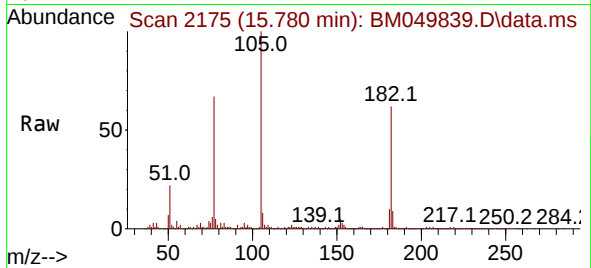




#63
 Azobenzene
 Concen: 9.291 ng
 RT: 15.780 min Scan# 2175
 Delta R.T. -0.000 min
 Lab File: BM049839.D
 Acq: 07 Apr 2025 14:43

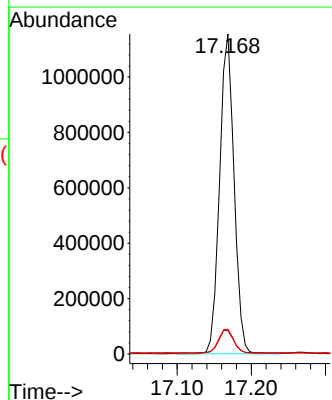
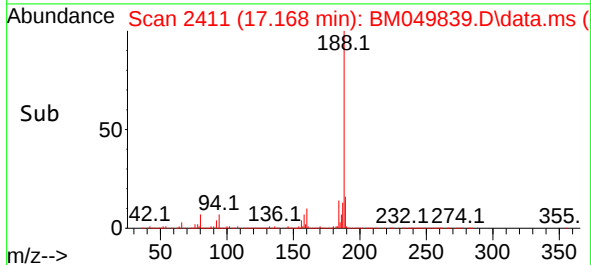
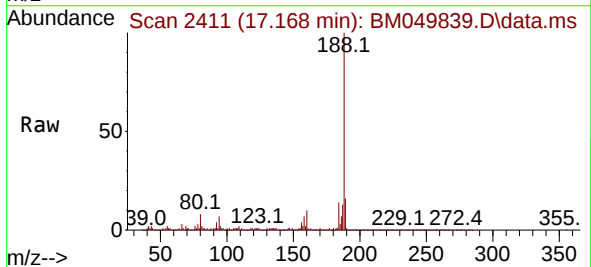
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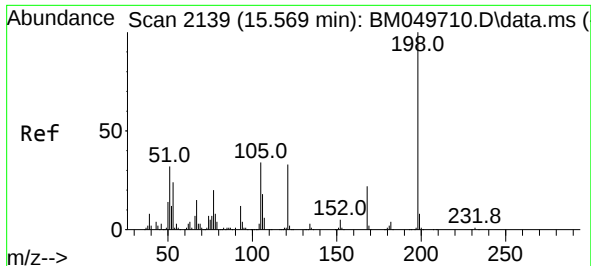
Tgt Ion: 77 Resp: 478519
 Ion Ratio Lower Upper
 77 100
 182 93.4 8.0 48.0#
 105 149.5 0.0 40.0#
 51 33.3 7.3 47.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.168 min Scan# 2411
 Delta R.T. -0.018 min
 Lab File: BM049839.D
 Acq: 07 Apr 2025 14:43

Tgt Ion: 188 Resp: 1563937
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.8 8.6
 80 7.8 6.3 9.5

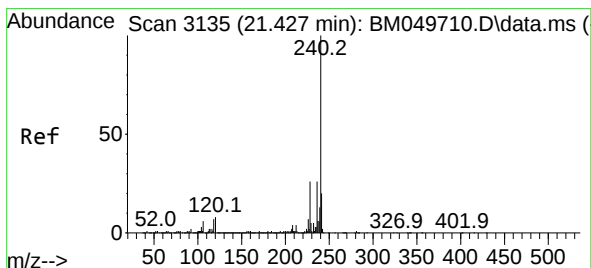
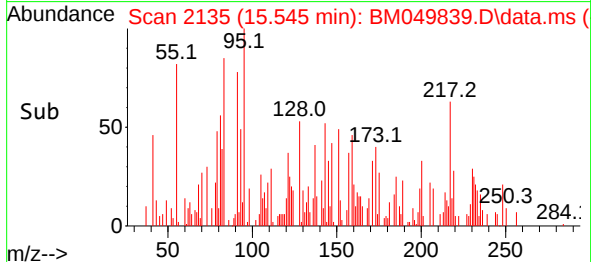
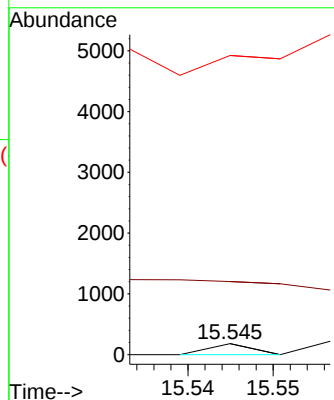
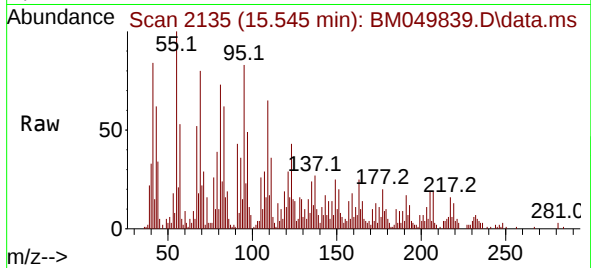




#65
4,6-Dinitro-2-methylphenol
Concen: 3.023 ng
RT: 15.545 min Scan# 2139
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

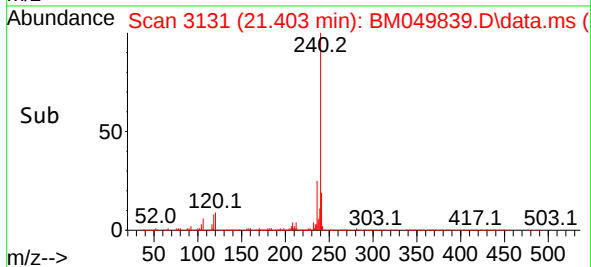
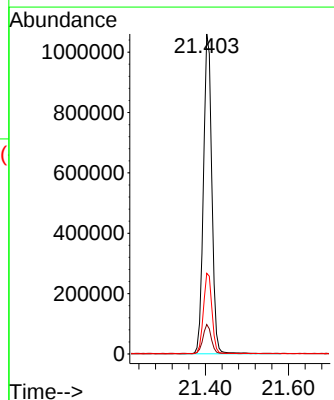
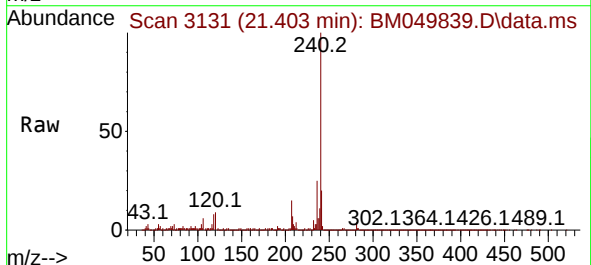
Instrument :
BNA_M
ClientSampleId :
K1

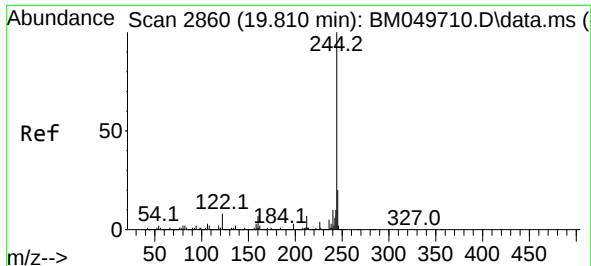
Tgt Ion:198 Resp: 64
Ion Ratio Lower Upper
198 100
51 660.4 13.8 53.8#
105 2704.4 14.0 54.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:240 Resp: 1483521
Ion Ratio Lower Upper
240 100
120 9.2 6.5 9.7
236 25.2 20.7 31.1

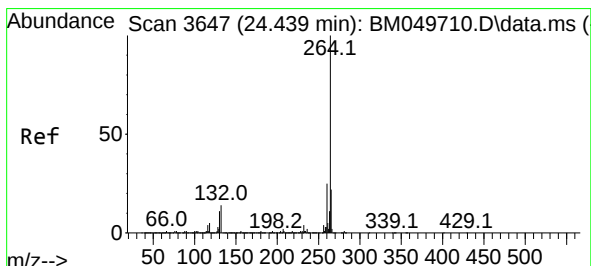
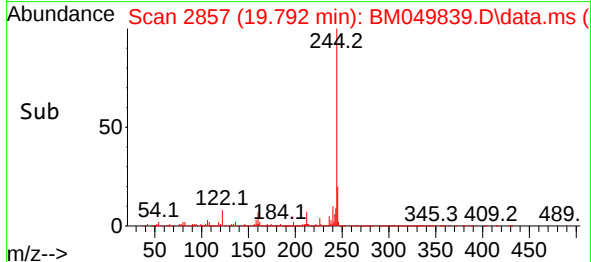
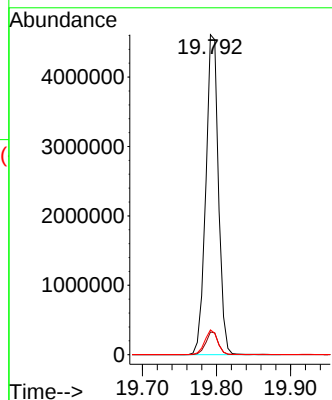
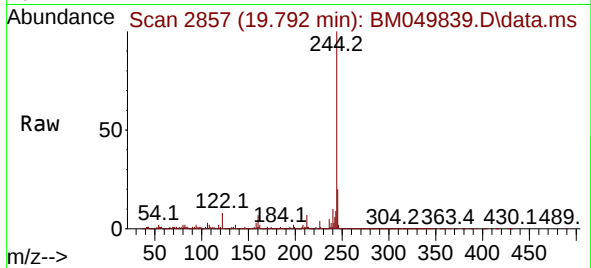




#79
 Terphenyl-d14
 Concen: 62.079 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049839.D
 Acq: 07 Apr 2025 14:43

Instrument :
 BNA_M
 ClientSampleId :
 K1

Tgt Ion:244 Resp: 5465209
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 7.8 6.0 9.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.409 min Scan# 3642
 Delta R.T. -0.030 min
 Lab File: BM049839.D
 Acq: 07 Apr 2025 14:43

Tgt Ion:264 Resp: 1673412
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 22.6 18.2 27.2

