

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142667.D
 Acq On : 07 Jun 2025 03:08
 Operator : RC/JU
 Sample : Q2226-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP06-MHI-WC

Quant Time: Jun 07 04:28:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

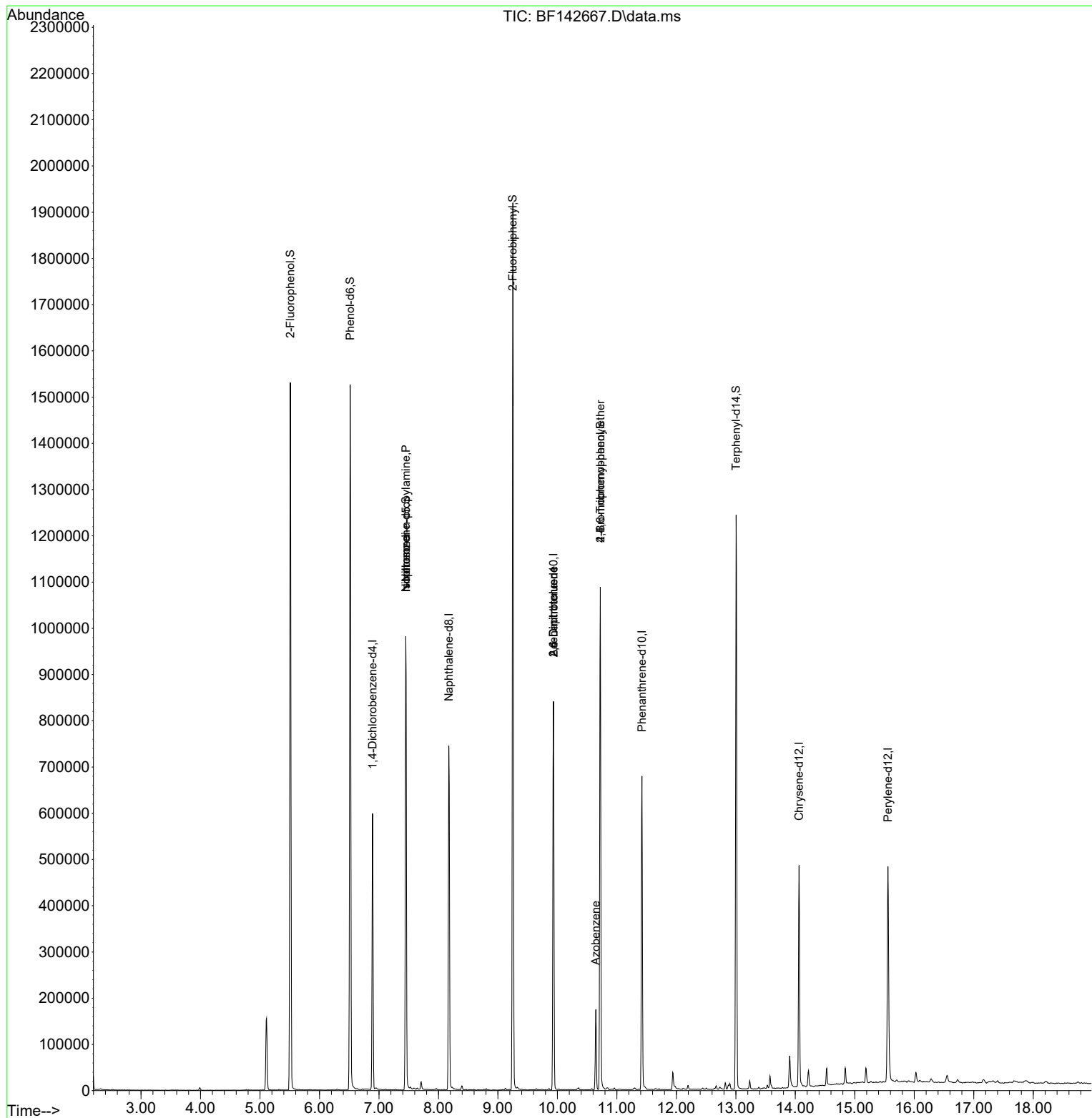
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	132075	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	496077	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	253177	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	367453	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	245585	20.000	ng	-0.01
86) Perylene-d12	15.557	264	284666	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	590007	75.262	ng	0.00
7) Phenol-d6	6.516	99	737588	78.161	ng	-0.02
23) Nitrobenzene-d5	7.451	82	426115	46.839	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	195924	69.725	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	858368	45.494	ng	-0.02
79) Terphenyl-d14	13.004	244	620728	34.540	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	56432	9.649	ng	# 77
25) Isophorone	7.451	82	409249	26.906	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	32034	8.885	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	32034	6.803	ng	# 28
63) Azobenzene	10.645	77	40318	2.751	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12273	2.825	ng	# 1

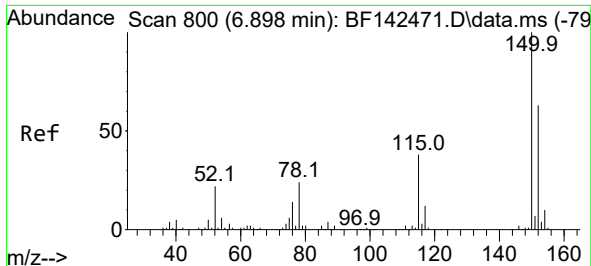
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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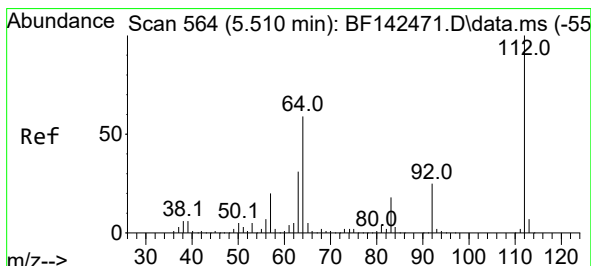
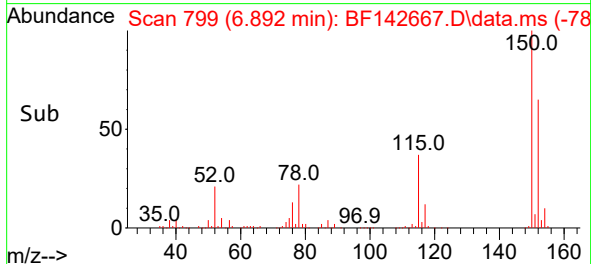
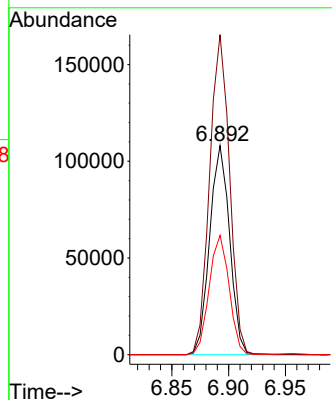
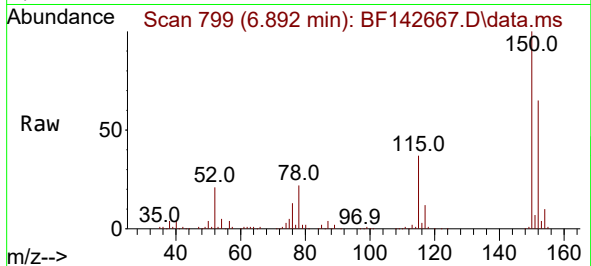




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

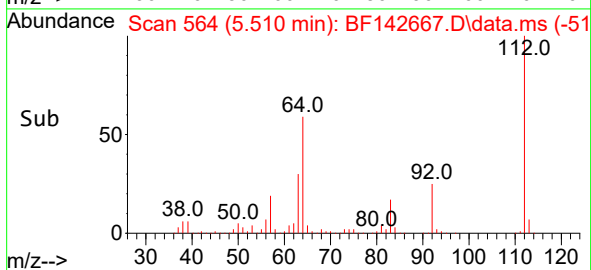
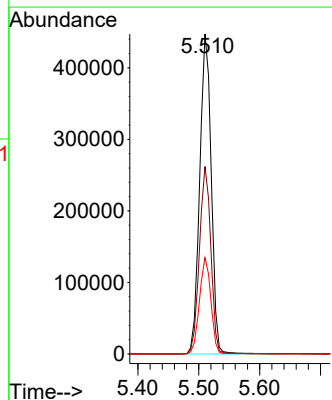
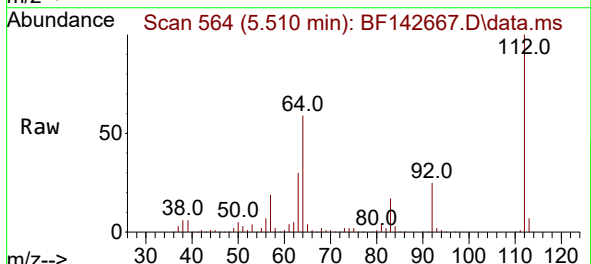
Instrument :
BNA_F
ClientSampleId :
TP06-MHI-WC

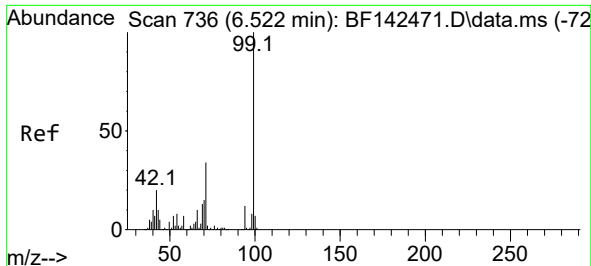
Tgt Ion:152 Resp: 132075
Ion Ratio Lower Upper
152 100
150 153.0 128.2 192.4
115 57.1 48.3 72.5



#5
2-Fluorophenol
Concen: 75.262 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion:112 Resp: 590007
Ion Ratio Lower Upper
112 100
64 58.6 47.5 71.3
63 30.1 24.9 37.3

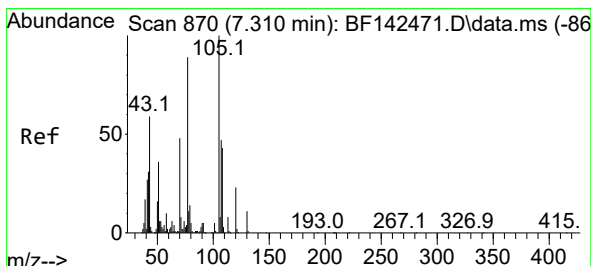
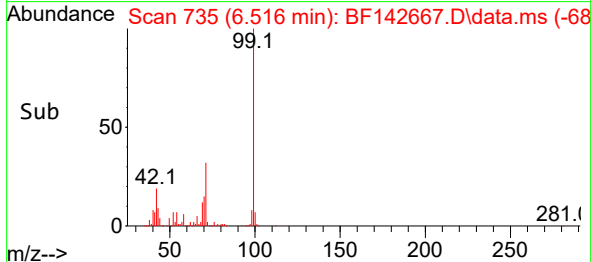
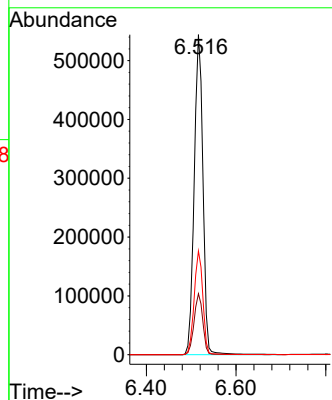
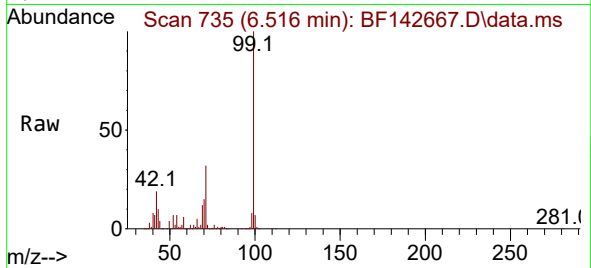




#7
Phenol-d6
Concen: 78.161 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

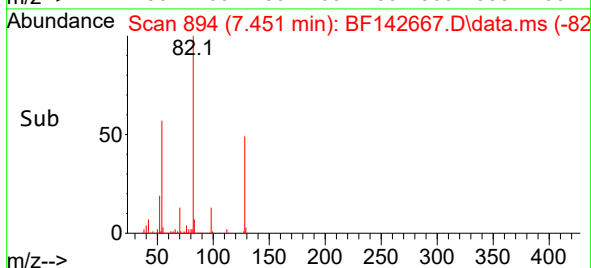
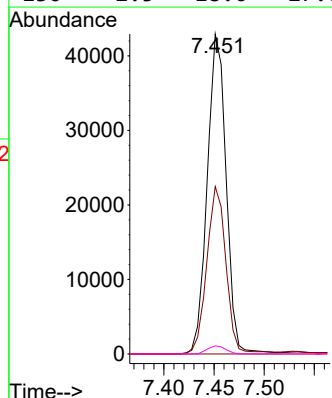
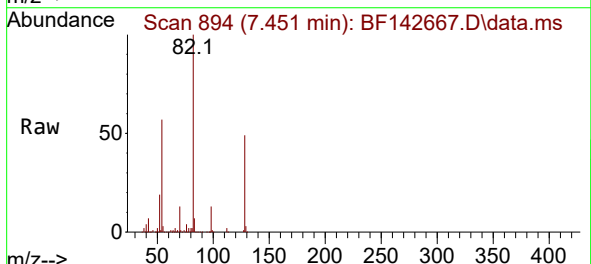
Instrument :
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ClientSampleId :
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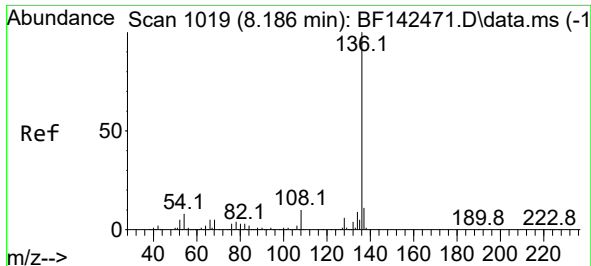
Tgt Ion: 99 Resp: 737588
Ion Ratio Lower Upper
99 100
42 19.1 16.2 24.2
71 32.4 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.649 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion: 70 Resp: 56432
Ion Ratio Lower Upper
70 100
42 52.3 52.4 78.6#
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

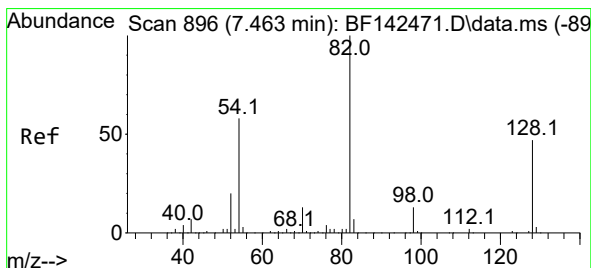
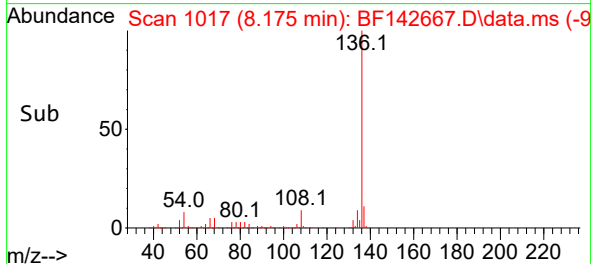
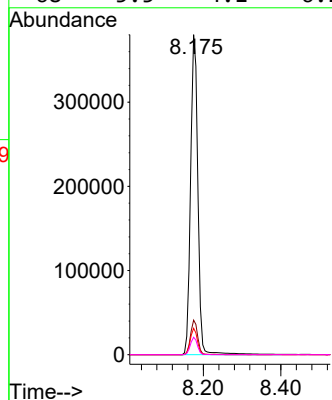
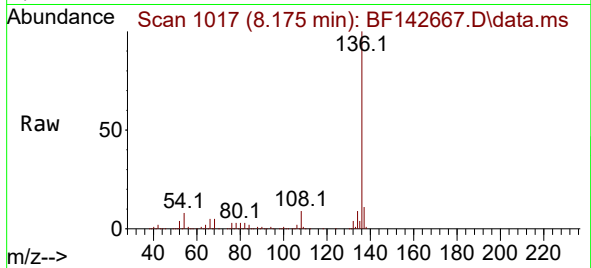




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

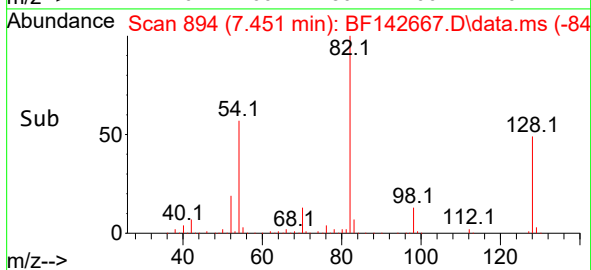
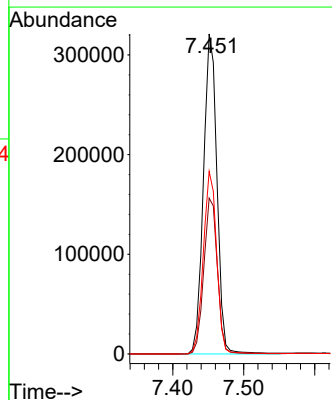
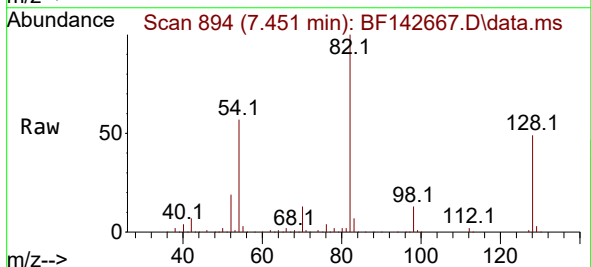
Instrument :
BNA_F
ClientSampleId :
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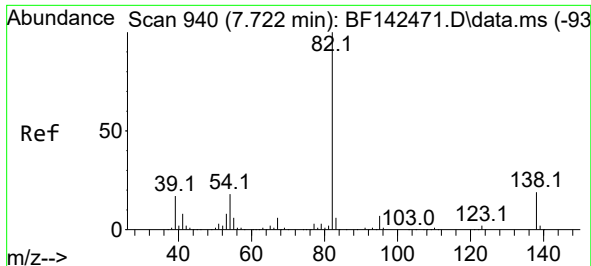
Tgt Ion:136 Resp: 496077
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 6.6 10.0
68 5.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 46.839 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion: 82 Resp: 426115
Ion Ratio Lower Upper
82 100
128 48.7 37.4 56.2
54 57.1 46.6 70.0

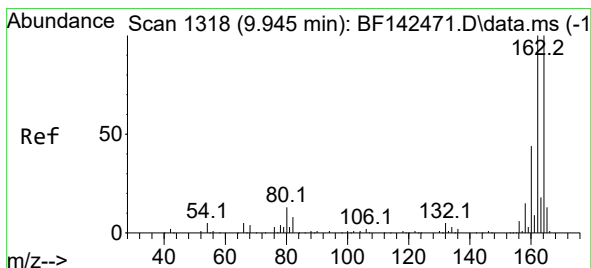
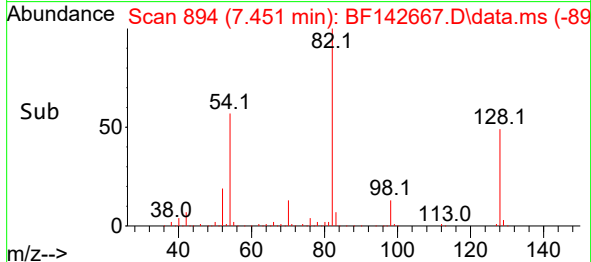
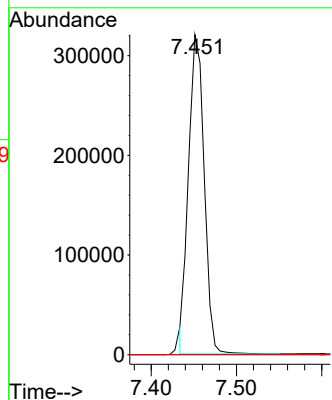
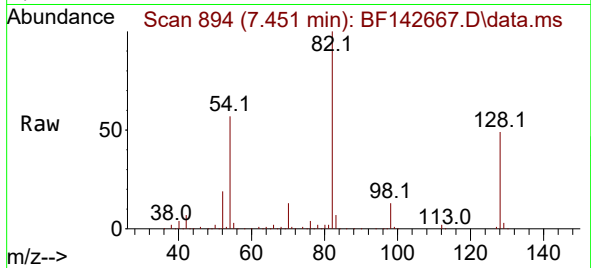




#25
Isophorone
Concen: 26.906 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

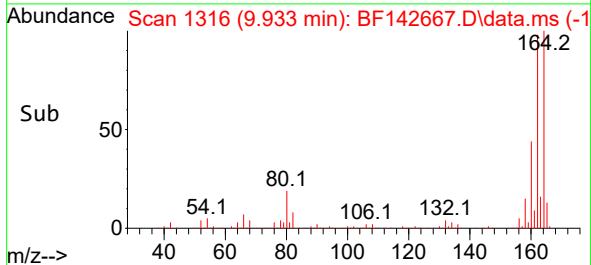
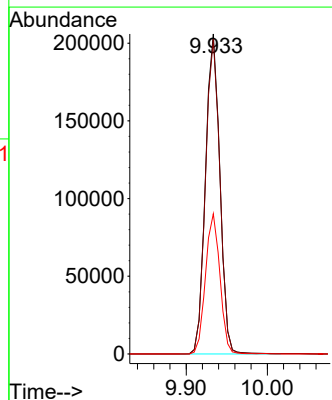
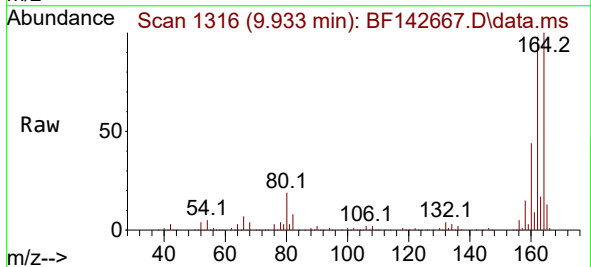
Instrument :
BNA_F
ClientSampleId :
TP06-MHI-WC

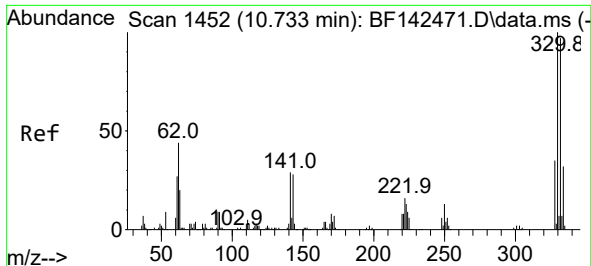
Tgt Ion: 82 Resp: 409249
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion: 164 Resp: 253177
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.4
160 43.8 35.6 53.4

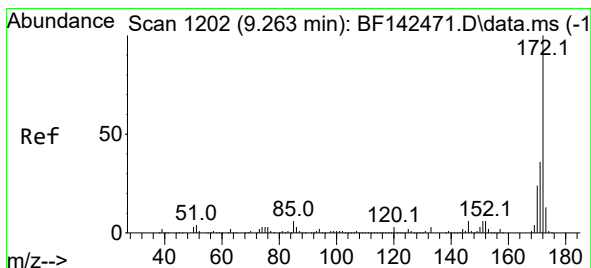
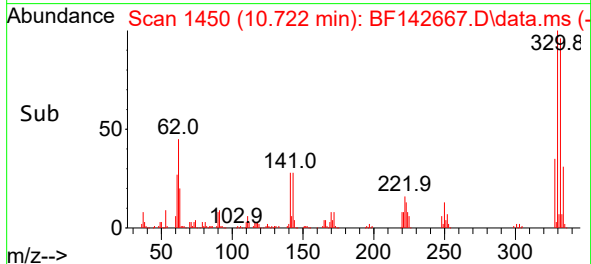
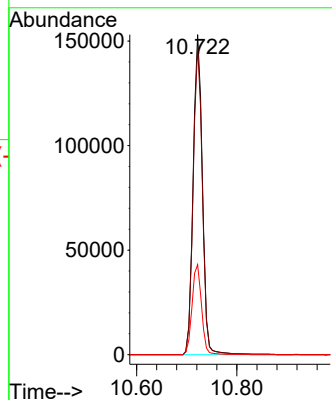
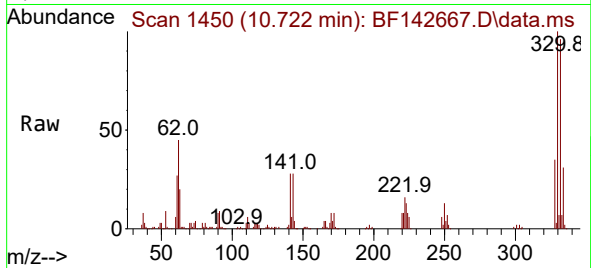




#42
2,4,6-Tribromophenol
Concen: 69.725 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

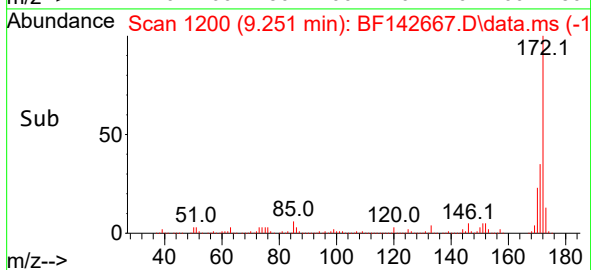
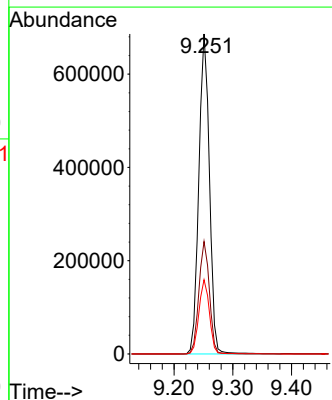
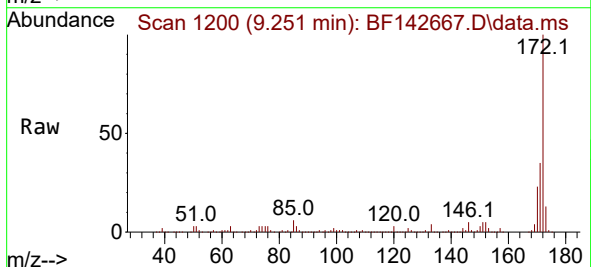
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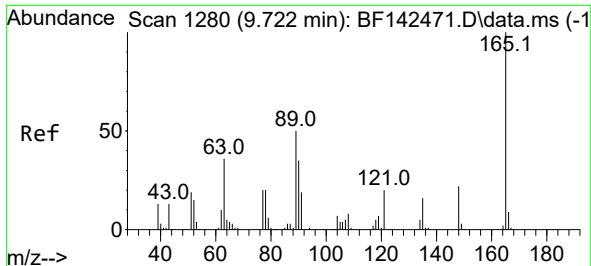
Tgt Ion: 330 Resp: 195924
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 29.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 45.494 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion: 172 Resp: 858368
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 18.9 28.3

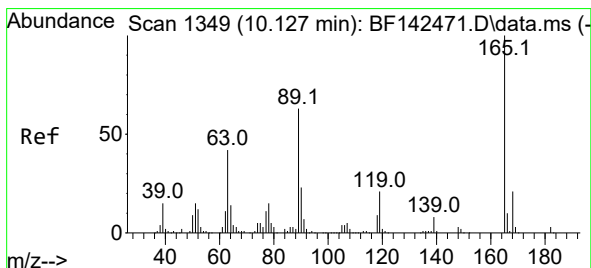
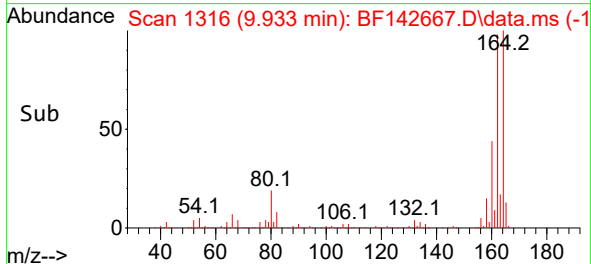
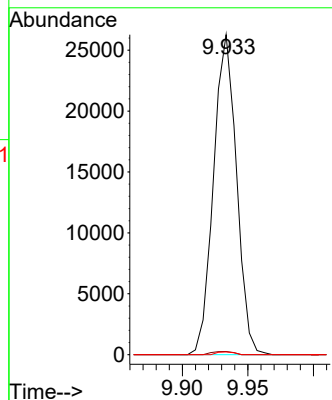
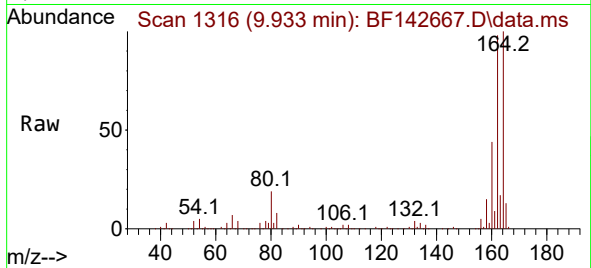




#51
2,6-Dinitrotoluene
Concen: 8.885 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

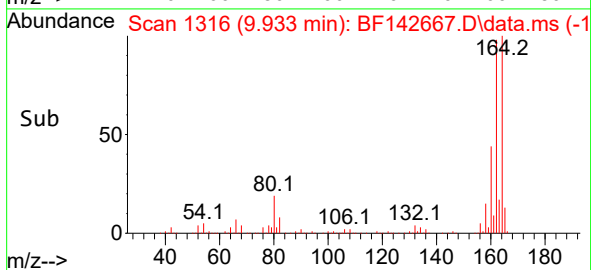
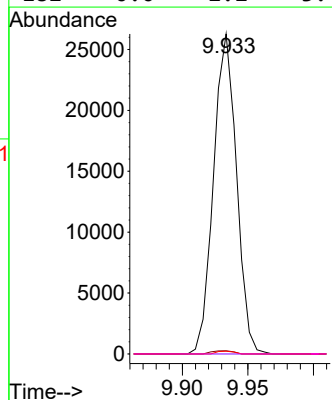
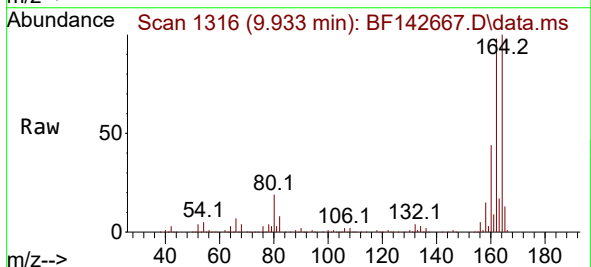
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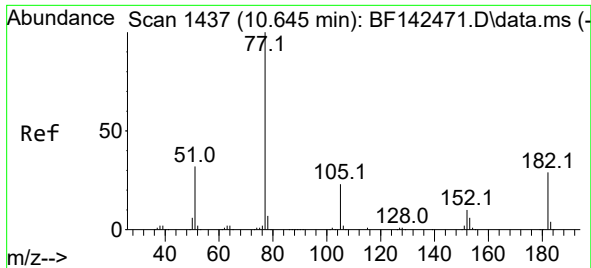
Tgt Ion:165 Resp: 32034
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.803 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion:165 Resp: 32034
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#

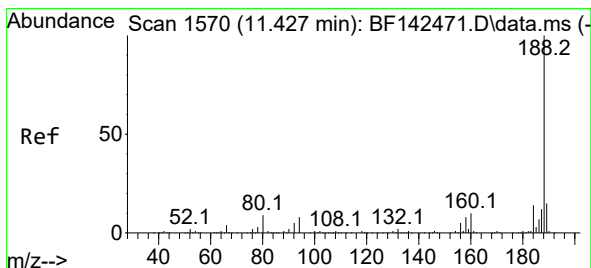
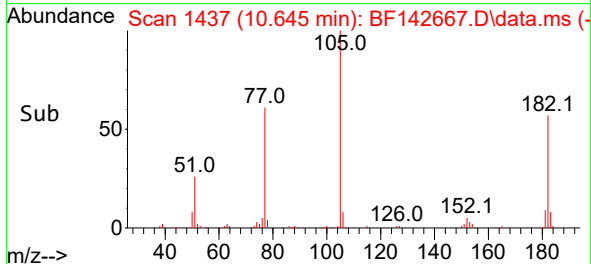
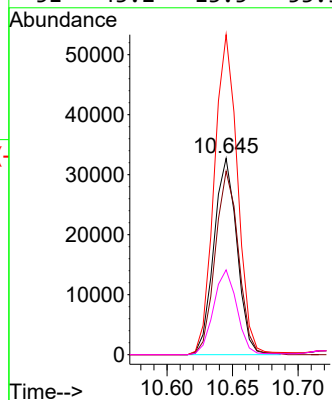
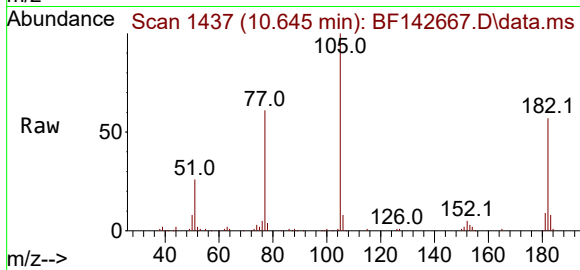




#63
 Azobenzene
 Concen: 2.751 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF142667.D
 Acq: 07 Jun 2025 03:08

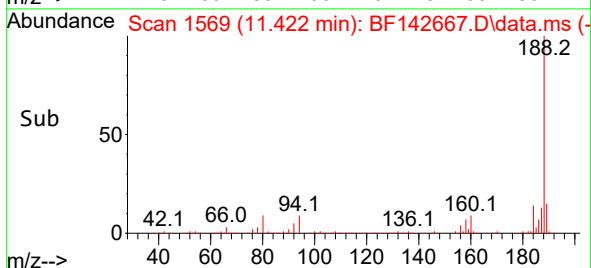
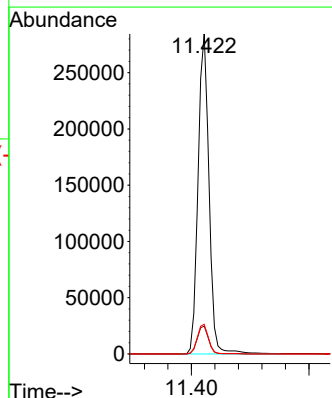
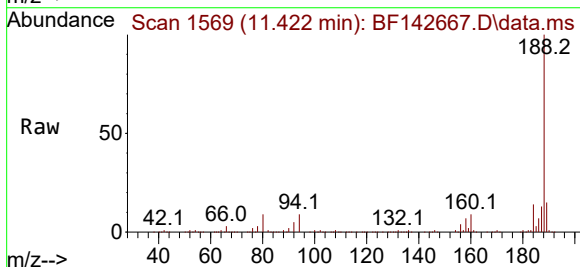
Instrument :
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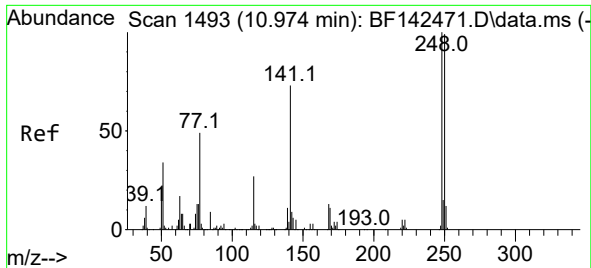
Tgt Ion: 77 Resp: 40318
 Ion Ratio Lower Upper
 77 100
 182 93.5 9.0 49.0#
 105 163.0 2.4 42.4#
 51 43.2 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF142667.D
 Acq: 07 Jun 2025 03:08

Tgt Ion: 188 Resp: 367453
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.6 10.0
 80 9.2 7.4 11.0

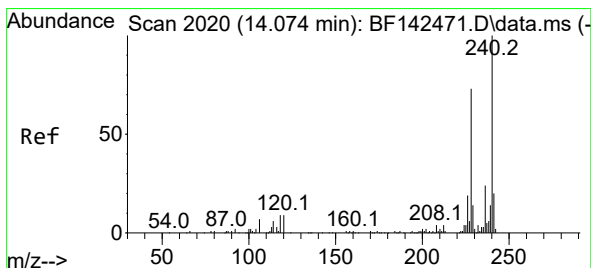
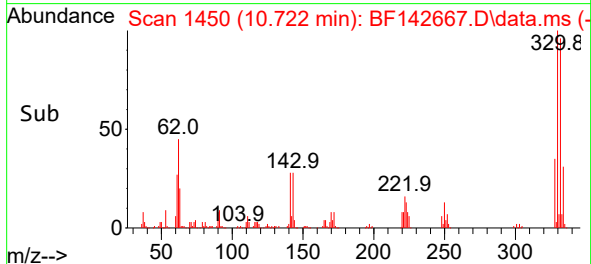
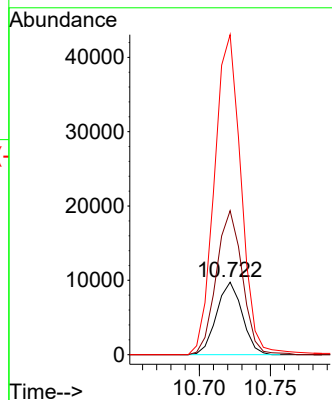
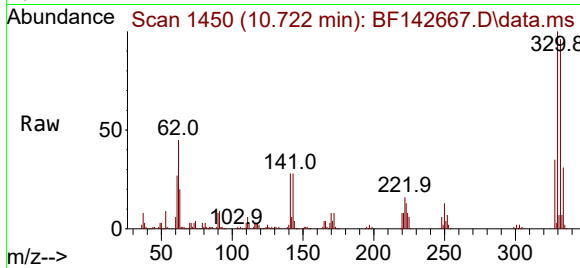




#67
4-Bromophenyl-phenylether
Concen: 2.825 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

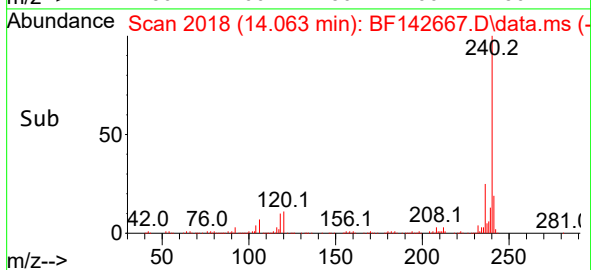
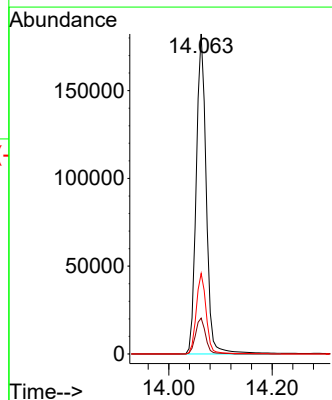
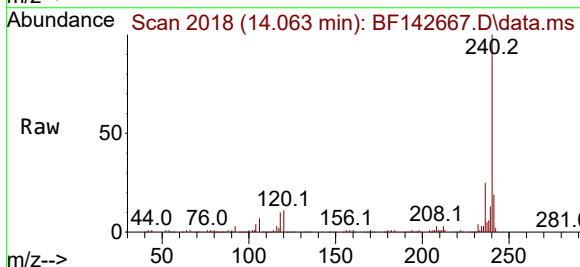
Instrument :
BNA_F
ClientSampleId :
TP06-MHI-WC

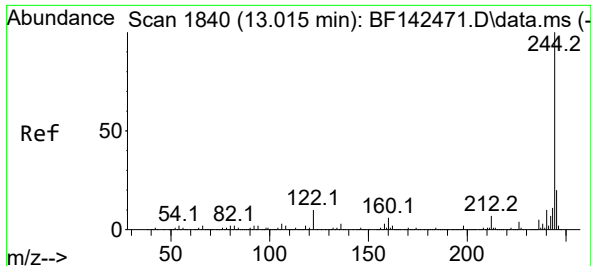
Tgt Ion:248 Resp: 12273
Ion Ratio Lower Upper
248 100
250 198.7 79.0 118.4#
141 441.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142667.D
Acq: 07 Jun 2025 03:08

Tgt Ion:240 Resp: 245585
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.1 19.6 29.4

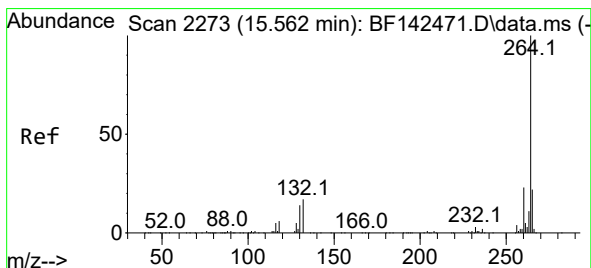
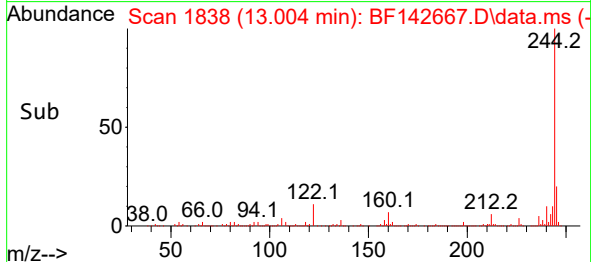
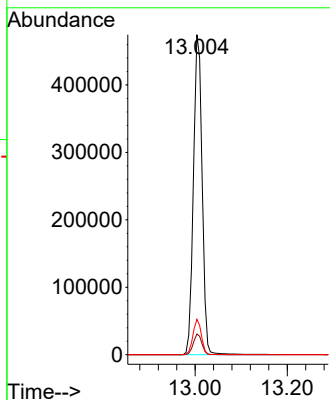
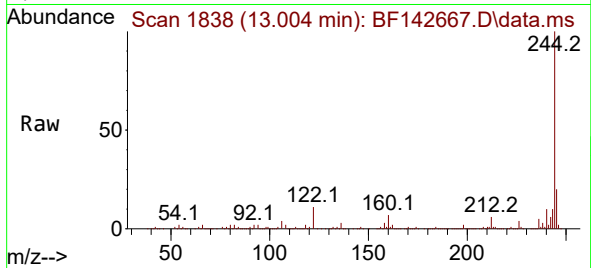




#79
 Terphenyl-d14
 Concen: 34.540 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142667.D
 Acq: 07 Jun 2025 03:08

Instrument :
 BNA_F
 ClientSampleId :
 TP06-MHI-WC

Tgt Ion:244 Resp: 620728
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 11.0 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142667.D
 Acq: 07 Jun 2025 03:08

Tgt Ion:264 Resp: 284666
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.7 17.7 26.5

