

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143174.D
 Acq On : 21 Jul 2025 16:28
 Operator : RC/JU
 Sample : Q2651-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 8-7

Quant Time: Jul 21 16:49:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

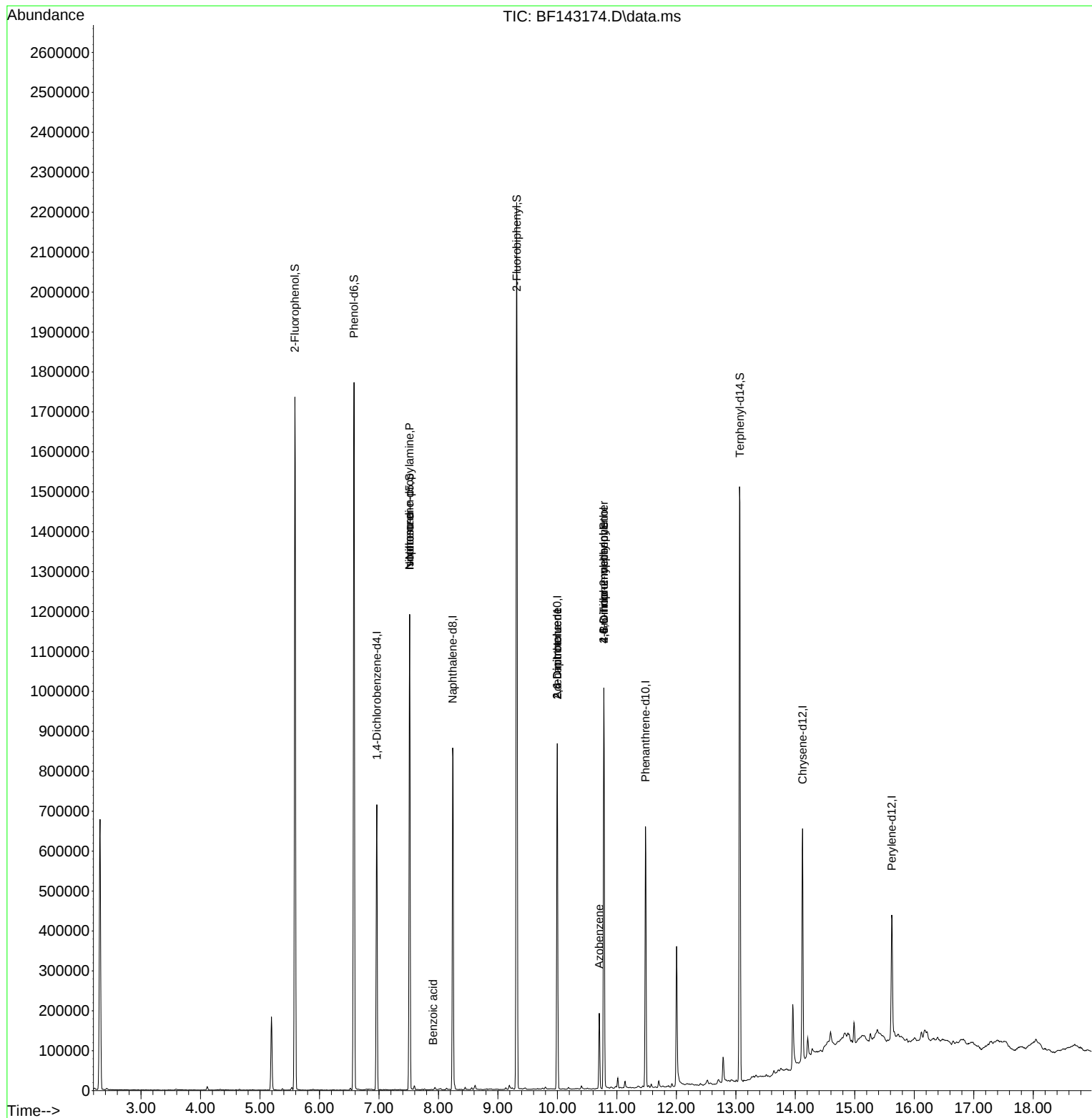
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	141875	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	527265	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	244037	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	323422	20.000	ng	0.00
76) Chrysene-d12	14.121	240	273124	20.000	ng	0.00
86) Perylene-d12	15.621	264	185637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	623567	69.552	ng	0.00
7) Phenol-d6	6.581	99	810797	71.849	ng	0.00
23) Nitrobenzene-d5	7.516	82	494221	46.723	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	162731	64.549	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	942986	52.846	ng	0.00
79) Terphenyl-d14	13.069	244	722517	39.366	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	65916	9.105	ng	# 80
25) Isophorone	7.516	82	493684	26.438	ng	# 66
32) Benzoic acid	7.910	122	136	5.203	ng	# 79
51) 2,6-Dinitrotoluene	9.998	165	31498	9.734	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	31498	7.758	ng	# 20
63) Azobenzene	10.704	77	46103	2.813	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	207	5.521	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	10160	2.636	ng	# 1

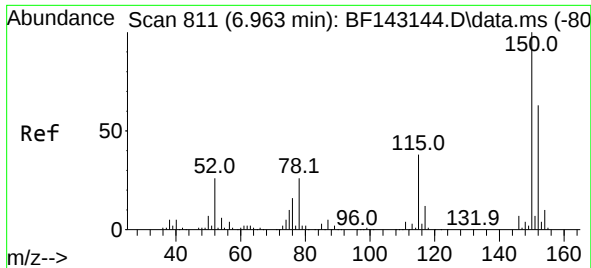
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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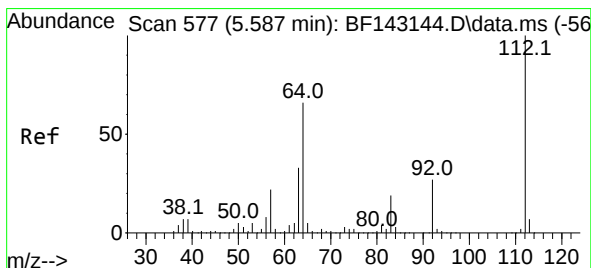
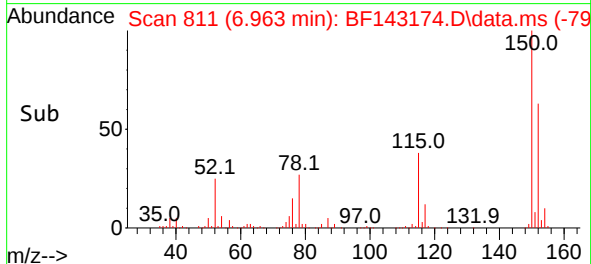
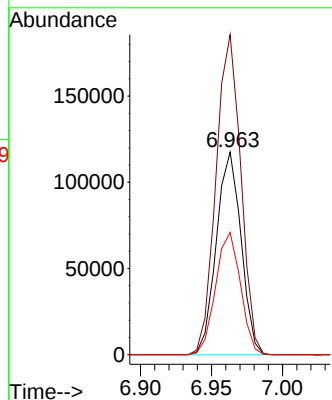
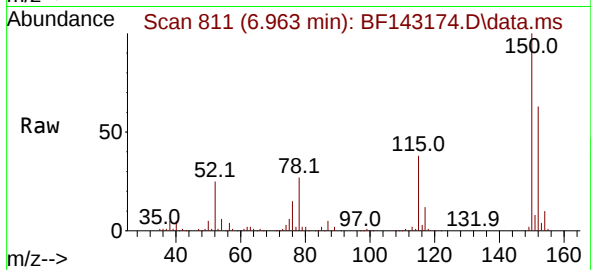




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

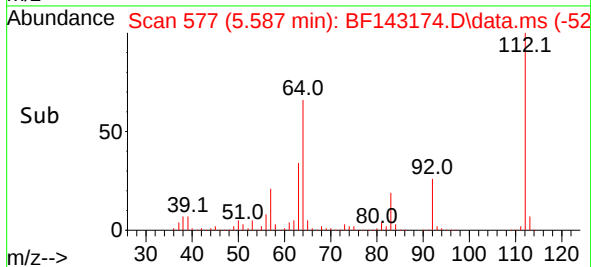
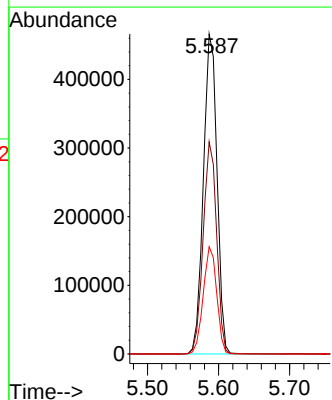
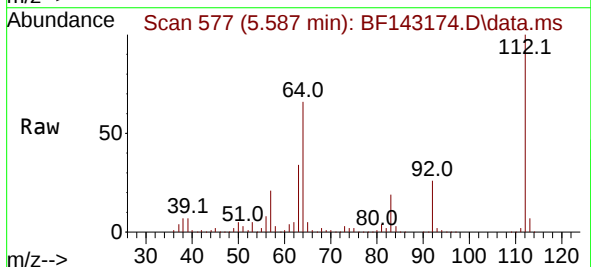
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BNA_F
ClientSampleId :
MH 8-7

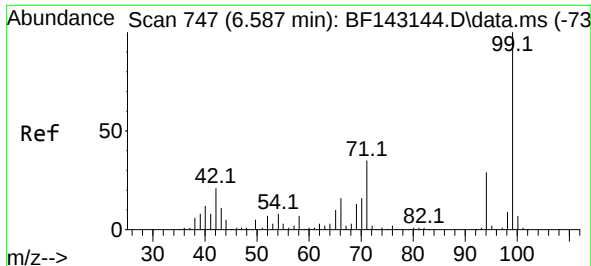
Tgt Ion:152 Resp: 141875
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.3 47.9 71.9



#5
2-Fluorophenol
Concen: 69.552 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:112 Resp: 623567
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.5 26.6 40.0

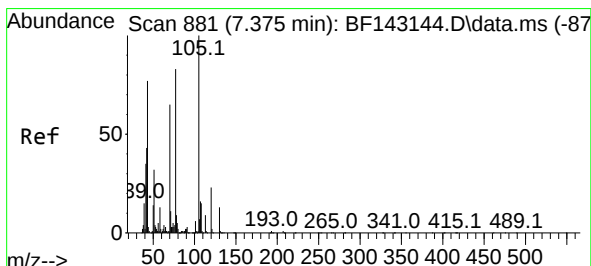
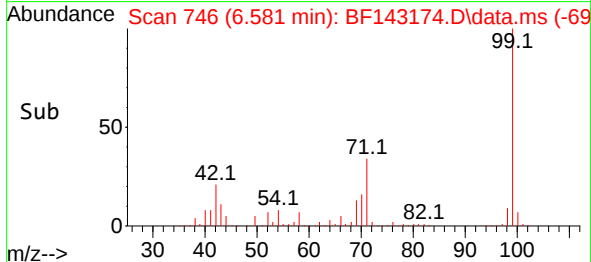
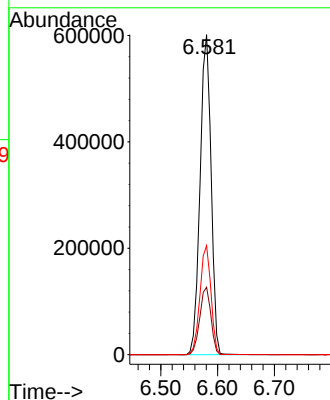
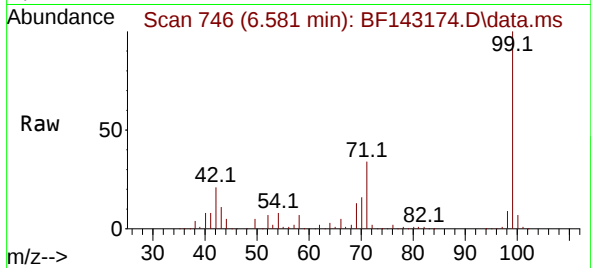




#7
Phenol-d6
Concen: 71.849 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

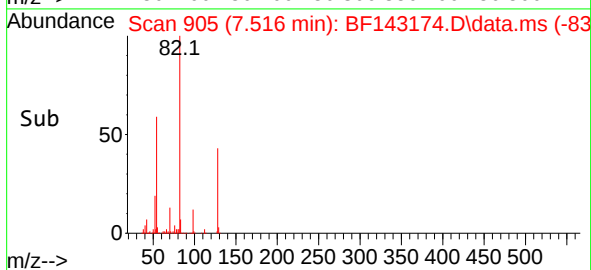
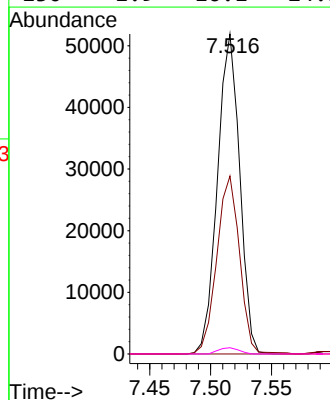
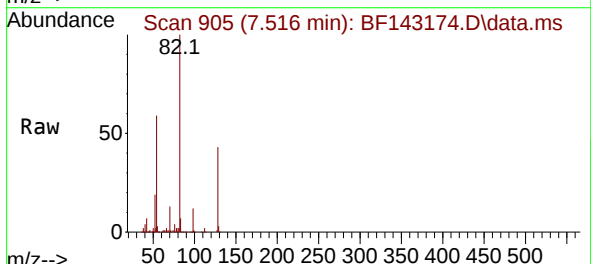
Instrument :
BNA_F
ClientSampleId :
MH 8-7

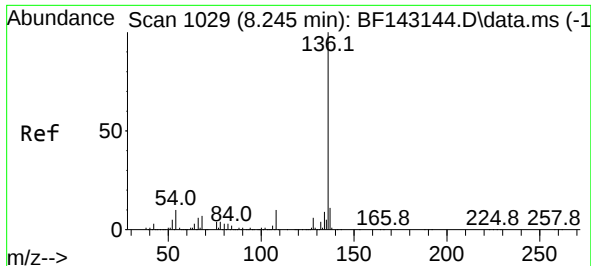
Tgt Ion: 99 Resp: 810797
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.105 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion: 70 Resp: 65916
Ion Ratio Lower Upper
70 100
42 55.6 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#

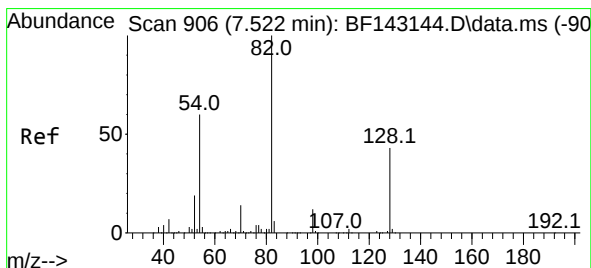
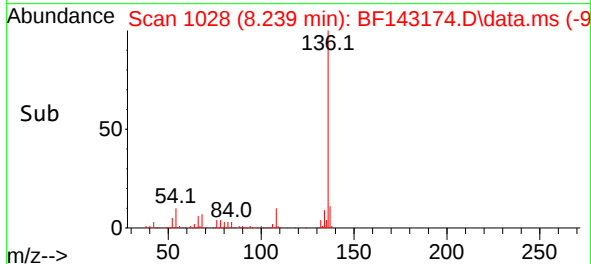
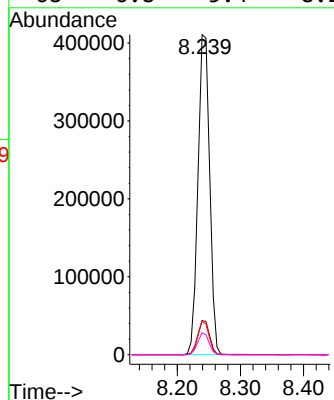
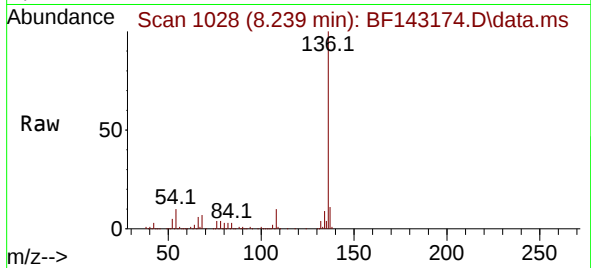




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

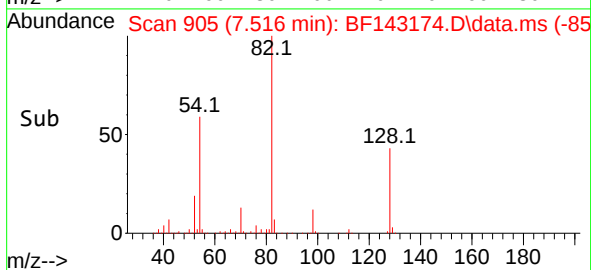
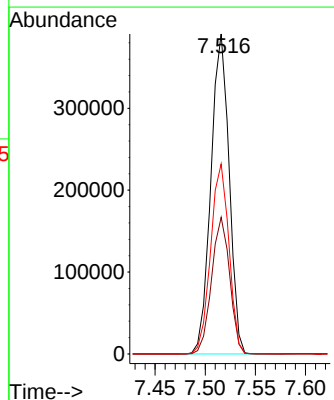
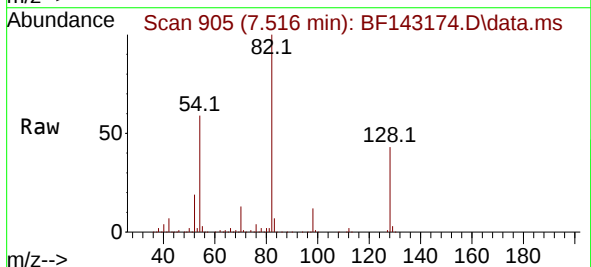
Instrument :
BNA_F
ClientSampleId :
MH 8-7

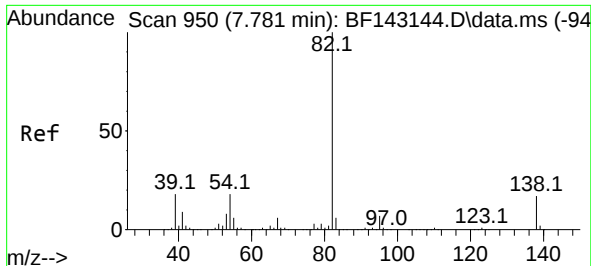
Tgt Ion:136	Resp: 527265
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 10.5	8.2 12.2
68 6.8	5.4 8.2



#23
Nitrobenzene-d5
Concen: 46.723 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion: 82	Resp: 494221
Ion Ratio	Lower Upper
82 100	
128 42.7	33.6 50.4
54 59.4	47.1 70.7

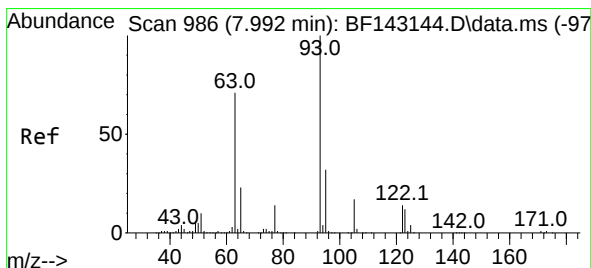
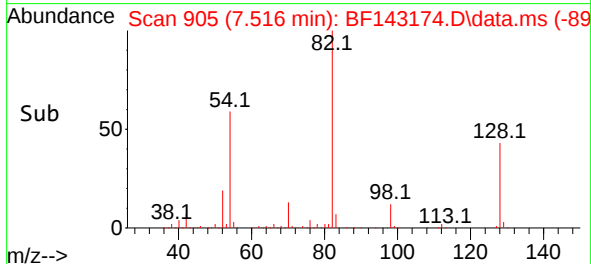
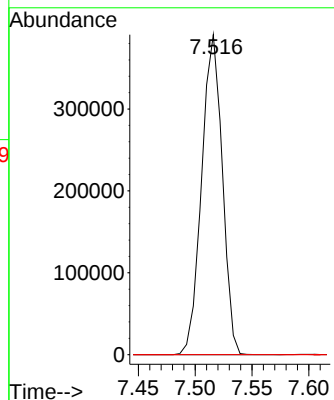
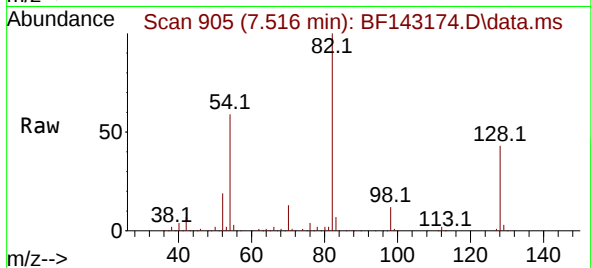




#25
Isophorone
Concen: 26.438 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

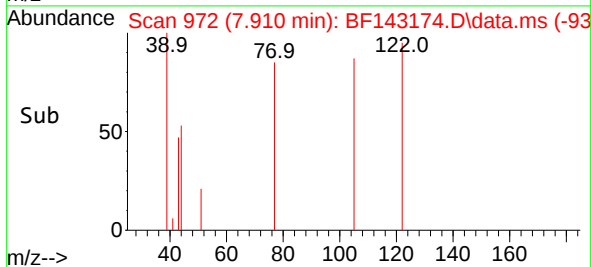
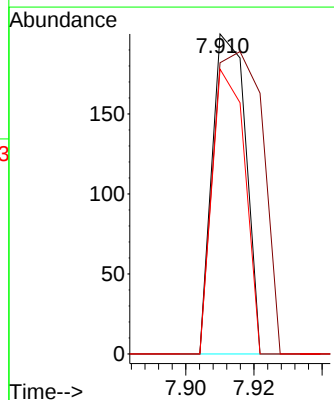
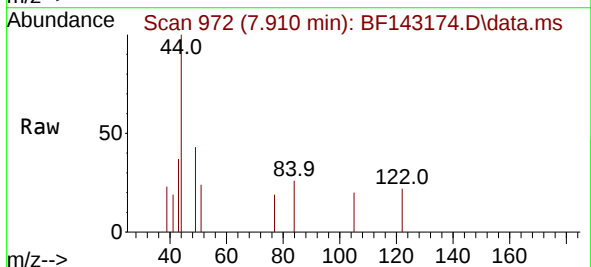
Instrument :
BNA_F
ClientSampleId :
MH 8-7

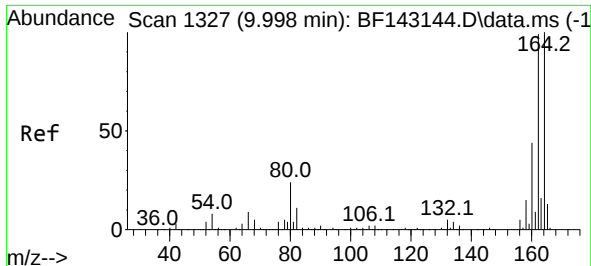
Tgt Ion: 82 Resp: 493684
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.203 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:122 Resp: 136
Ion Ratio Lower Upper
122 100
105 91.0 104.8 144.8#
77 89.0 77.6 117.6

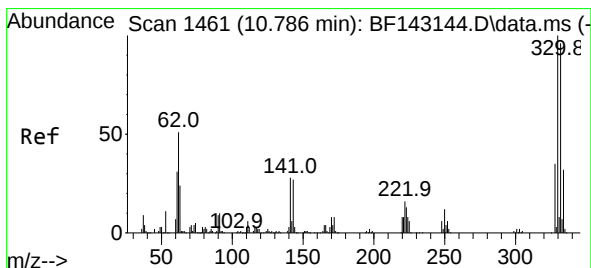
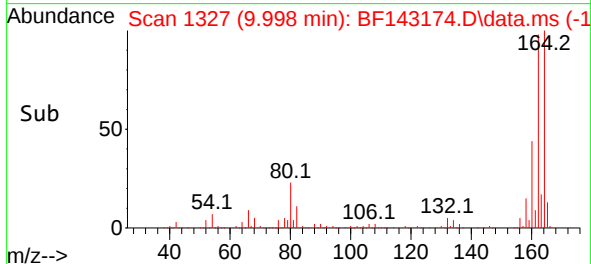
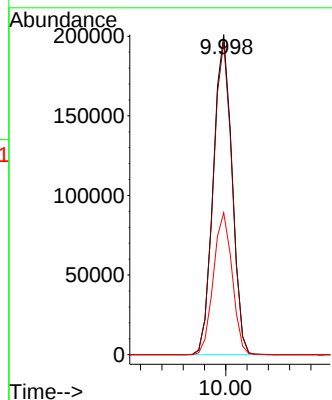
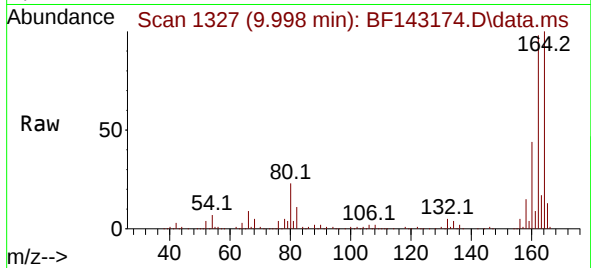




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

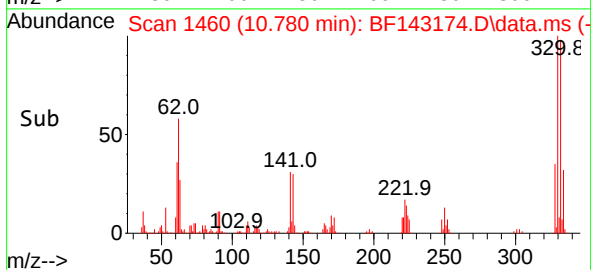
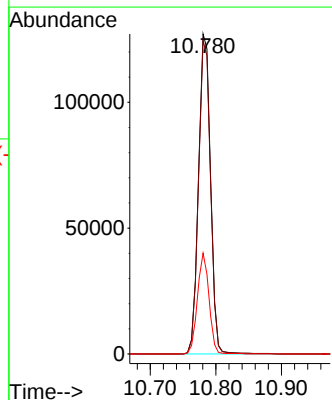
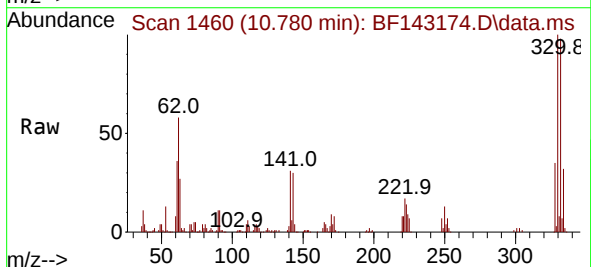
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BNA_F
ClientSampleId :
MH 8-7

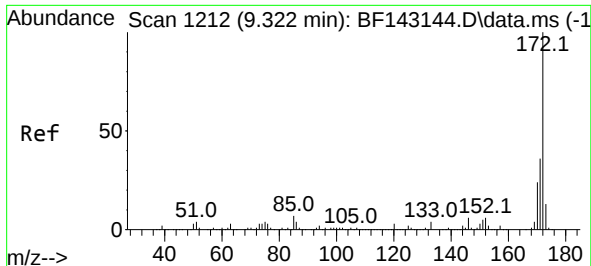
Tgt Ion:164 Resp: 244037
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 44.4 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 64.549 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:330 Resp: 162731
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 30.2 23.3 34.9

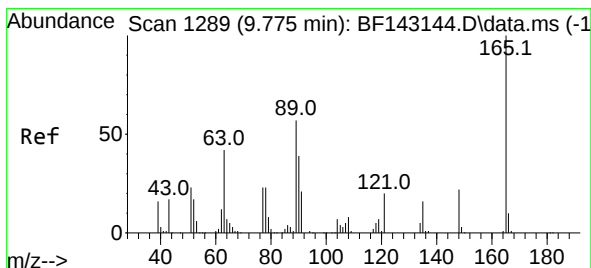
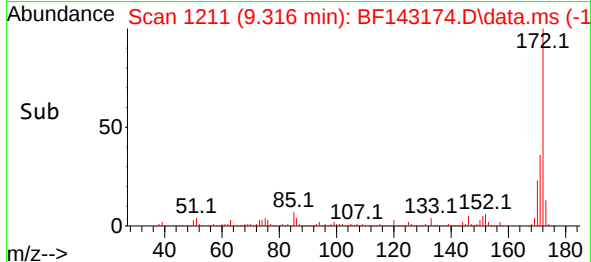
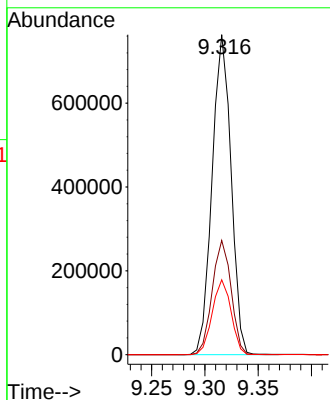
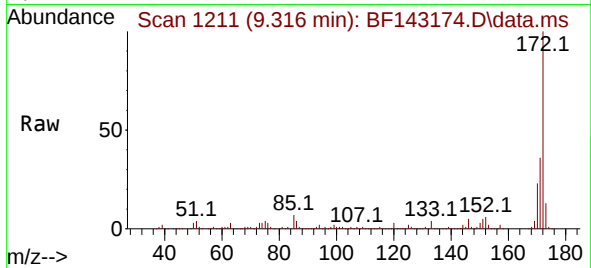




#45
2-Fluorobiphenyl
Concen: 52.846 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

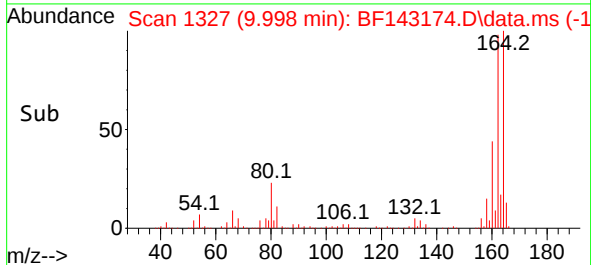
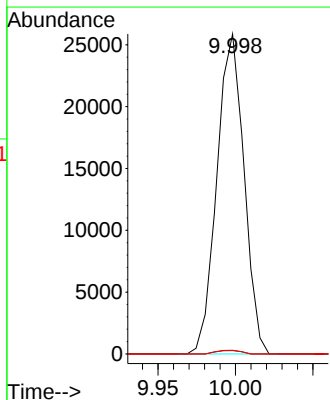
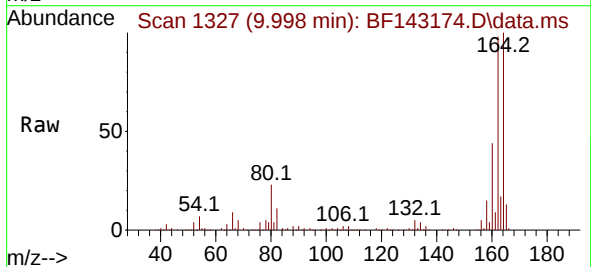
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MH 8-7

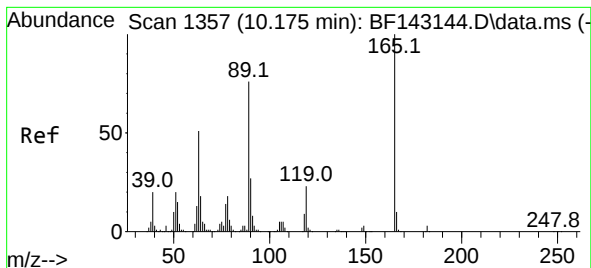
Tgt Ion:172 Resp: 942986
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.734 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:165 Resp: 31498
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.2#
89 1.1 46.2 69.2#

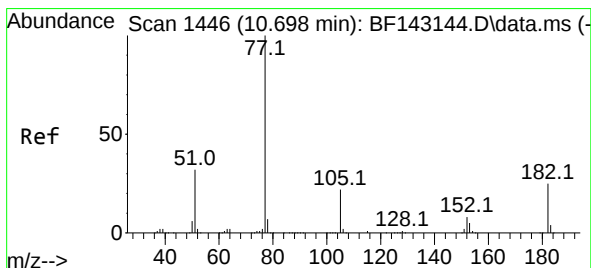
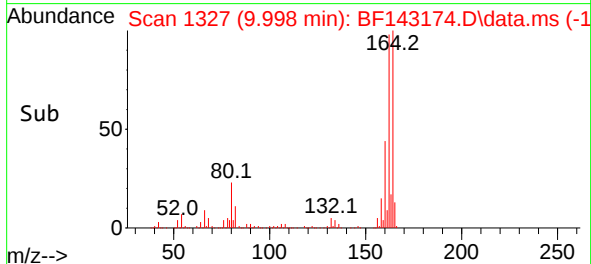
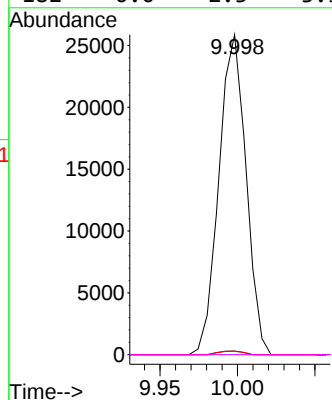
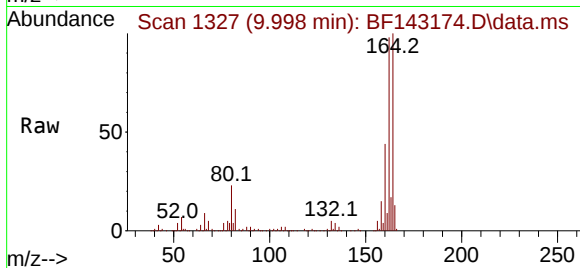




#57
2,4-Dinitrotoluene
Concen: 7.758 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

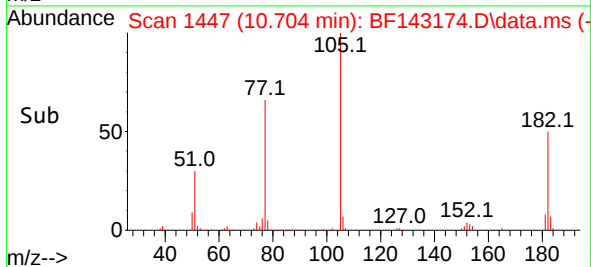
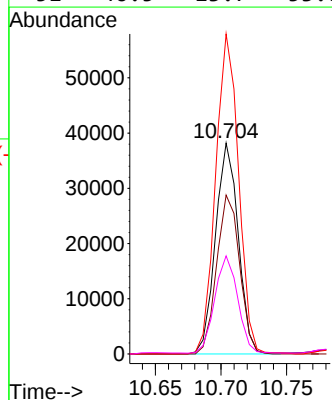
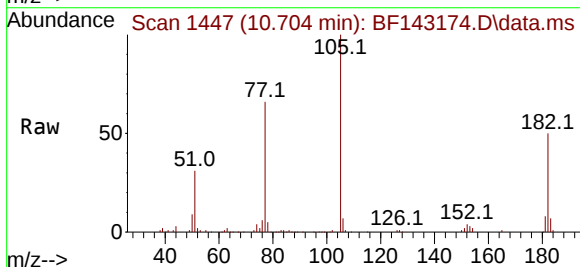
Instrument :
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MH 8-7

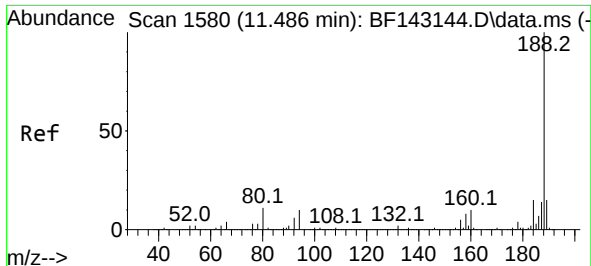
Tgt Ion:165 Resp: 31498
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.1 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.813 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion: 77 Resp: 46103
Ion Ratio Lower Upper
77 100
182 75.3 4.6 44.6#
105 151.7 1.4 41.4#
51 46.5 13.7 53.7

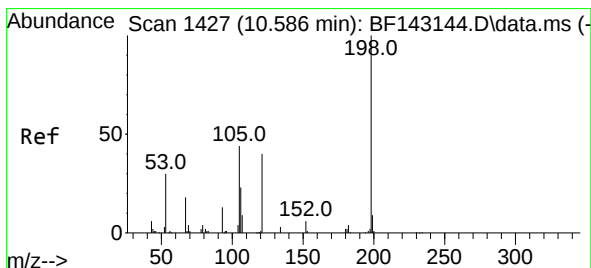
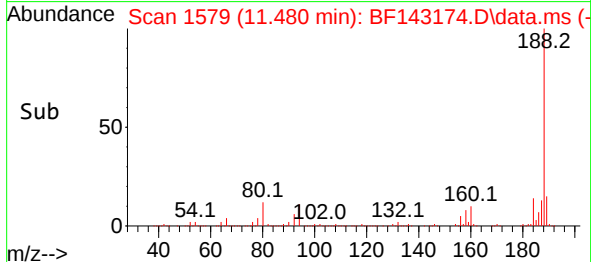
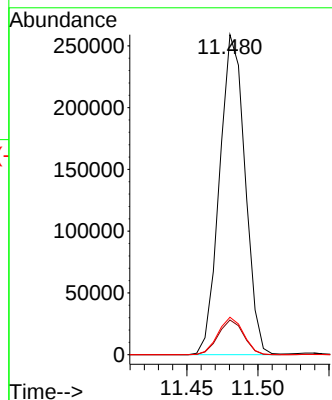
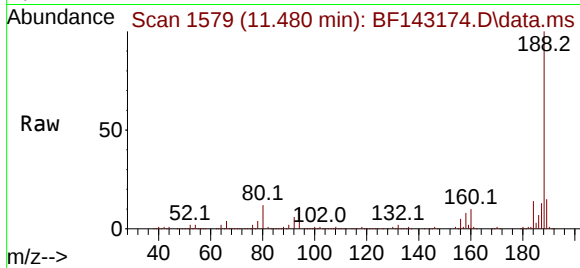




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

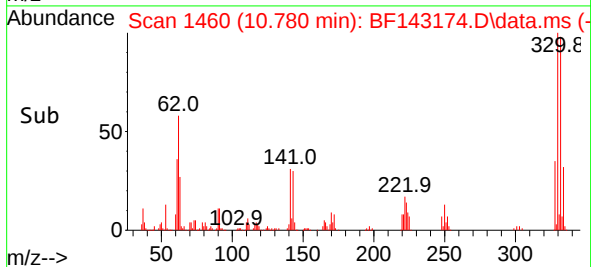
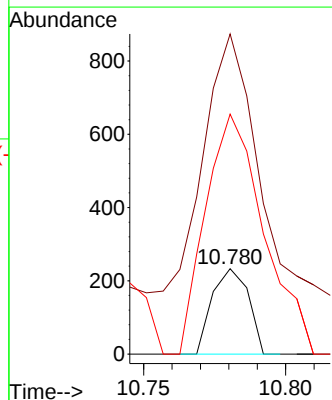
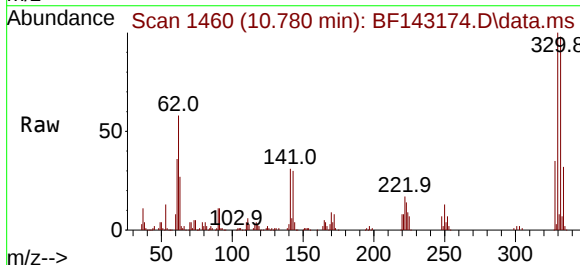
Instrument :
BNA_F
ClientSampleId :
MH 8-7

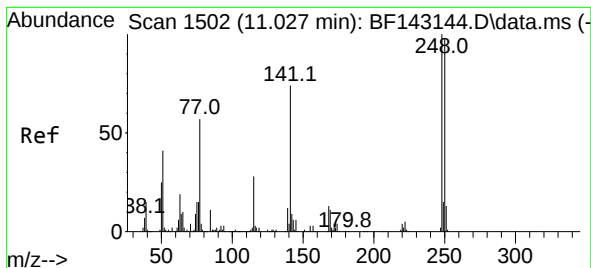
Tgt Ion:188 Resp: 323422
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.521 ng
RT: 10.780 min Scan# 1460
Delta R.T. 0.194 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:198 Resp: 207
Ion Ratio Lower Upper
198 100
51 375.1 37.2 77.2#
105 281.1 24.8 64.8#

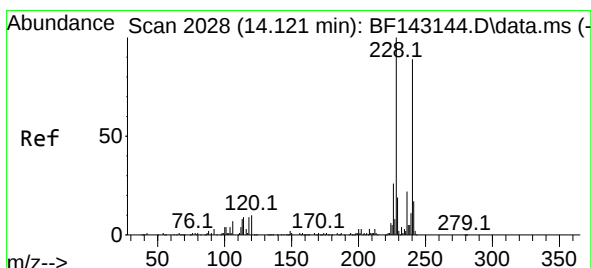
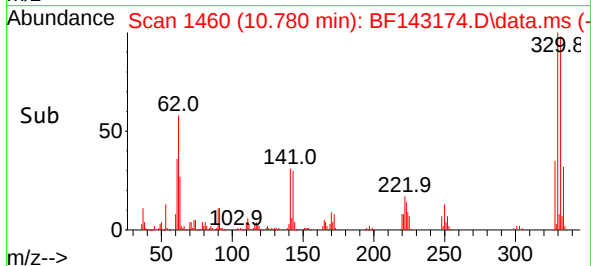
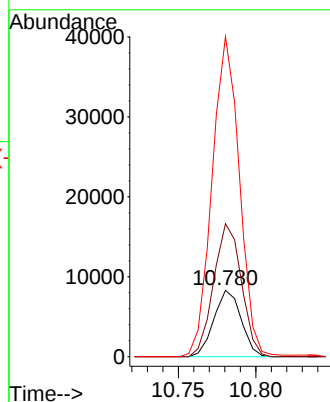
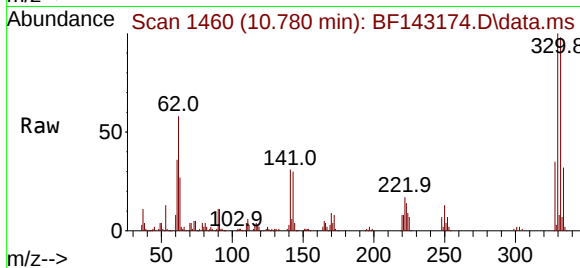




#67
4-Bromophenyl-phenylether
Concen: 2.636 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

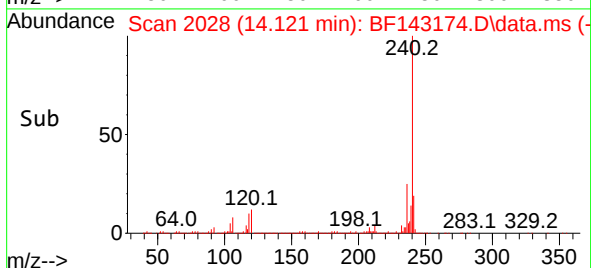
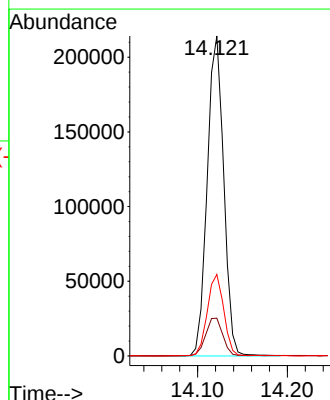
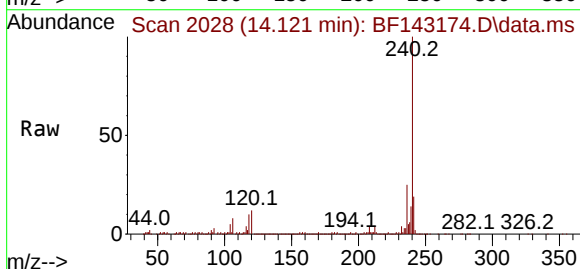
Instrument :
BNA_F
ClientSampleId :
MH 8-7

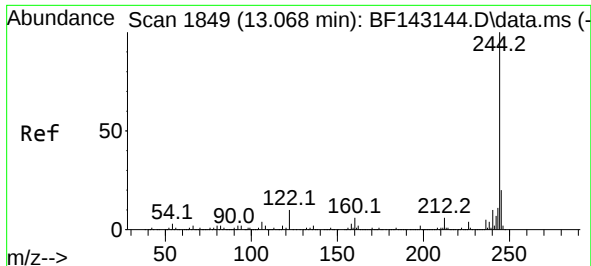
Tgt Ion:248 Resp: 10160
Ion Ratio Lower Upper
248 100
250 200.4 78.3 117.5#
141 482.4 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:240 Resp: 273124
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.5 20.2 30.4

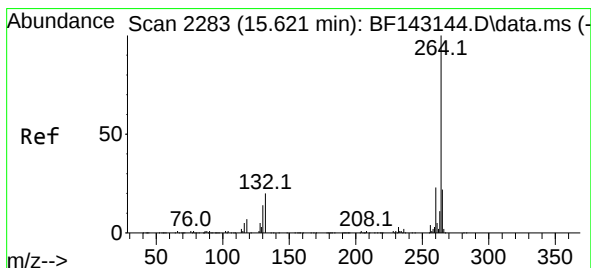
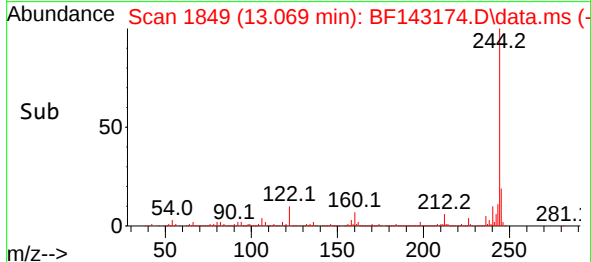
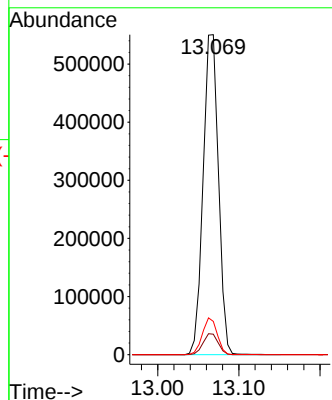
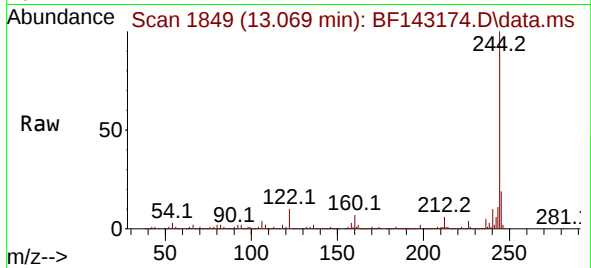




#79
 Terphenyl-d14
 Concen: 39.366 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143174.D
 Acq: 21 Jul 2025 16:28

Instrument :
 BNA_F
 ClientSampleId :
 MH 8-7

Tgt Ion:244 Resp: 722517
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.4 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 2283
 Delta R.T. 0.000 min
 Lab File: BF143174.D
 Acq: 21 Jul 2025 16:28

Tgt Ion:264 Resp: 185637
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 22.0 17.4 26.2

