

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142888.D
 Acq On : 27 Jun 2025 12:50
 Operator : RC/JU
 Sample : Q2425-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

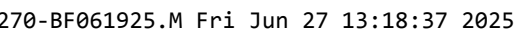
Quant Time: Jun 27 13:14:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69872	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263807	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	130470	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197251	20.000	ng	0.00
76) Chrysene-d12	14.051	240	147517	20.000	ng	0.00
86) Perylene-d12	15.545	264	148110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	334649	79.741	ng	0.00
7) Phenol-d6	6.504	99	405318	81.861	ng	0.00
23) Nitrobenzene-d5	7.440	82	236773	49.230	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	101534	75.623	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	520174	52.375	ng	-0.01
79) Terphenyl-d14	12.992	244	428159	40.103	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	31427	10.913	ng	# 78
25) Isophorone	7.440	82	236800	30.692	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	16904	9.114	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	16904	6.862	ng	# 27
63) Azobenzene	10.628	77	29664	4.008	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6806	3.032	ng	# 1

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

Quant Time: Jun 27 13:14:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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QLast Update : Tue Jun 24 05:28:21 2025
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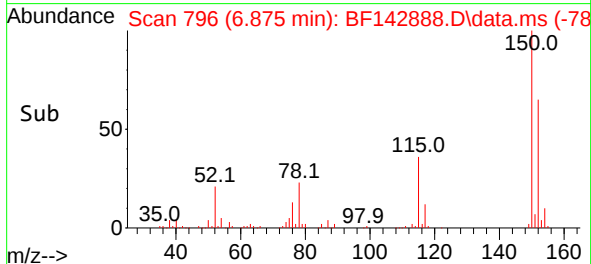
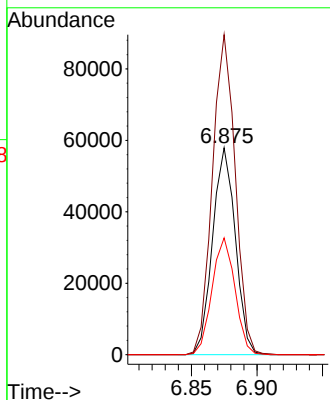
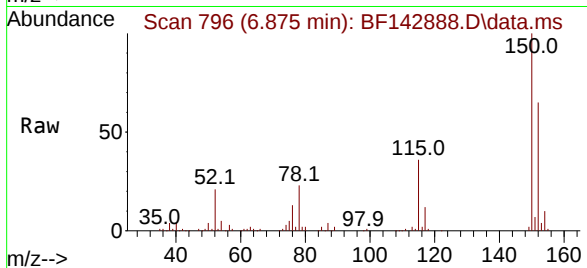




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142888.D
 Acq: 27 Jun 2025 12:50

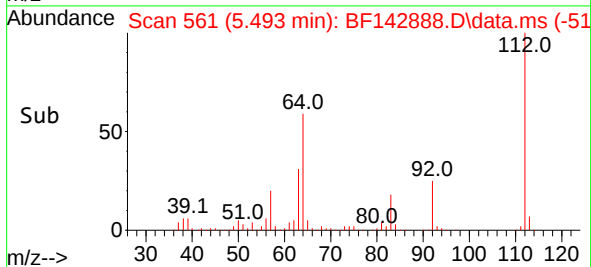
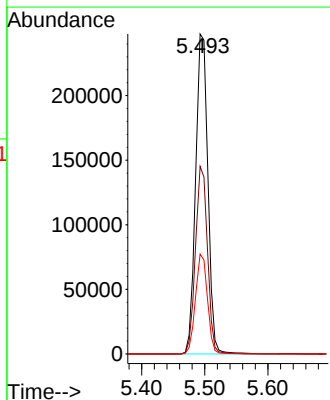
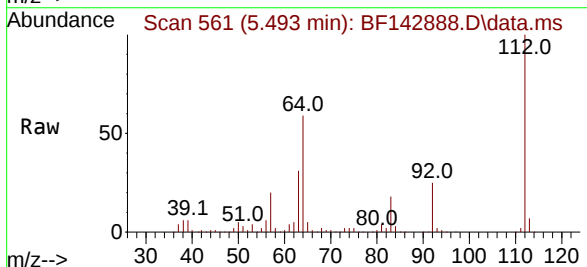
Instrument :
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 ClientSampleId :
 COMP-3

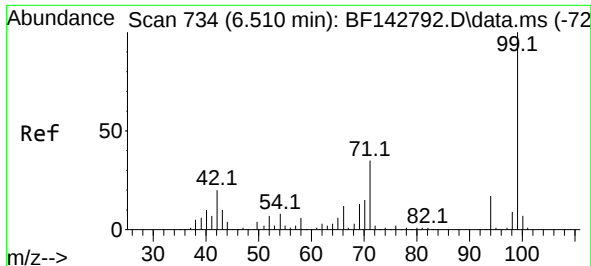
Tgt Ion:152 Resp: 69872
 Ion Ratio Lower Upper
 152 100
 150 154.7 127.2 190.8
 115 56.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 79.741 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142888.D
 Acq: 27 Jun 2025 12:50

Tgt Ion:112 Resp: 334649
 Ion Ratio Lower Upper
 112 100
 64 58.6 48.2 72.2
 63 31.2 25.7 38.5

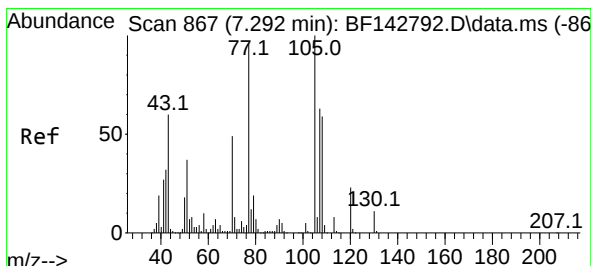
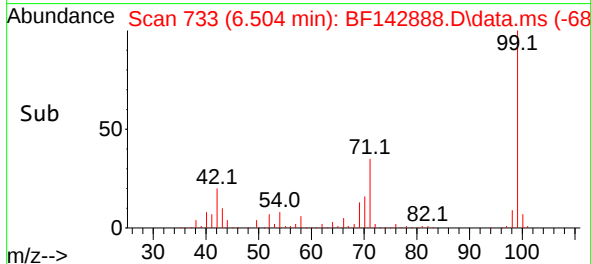
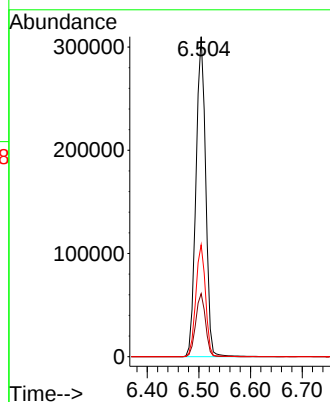
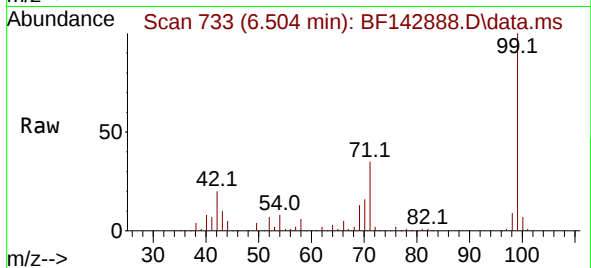




#7
Phenol-d6
Concen: 81.861 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

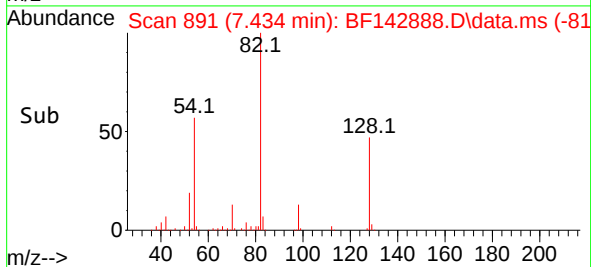
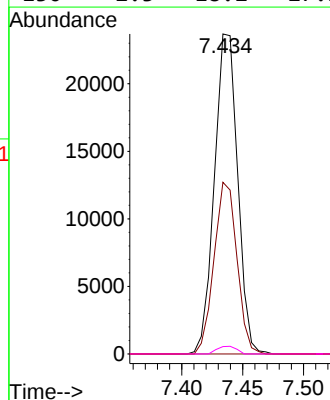
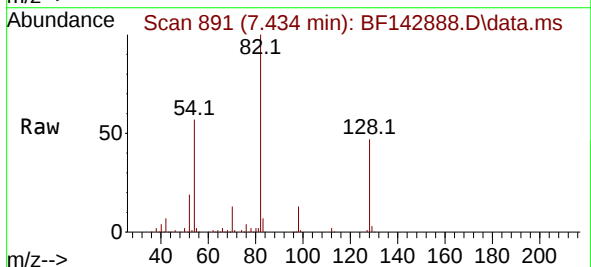
Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 405318
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.913 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Tgt Ion: 70 Resp: 31427
Ion Ratio Lower Upper
70 100
42 53.7 52.1 78.1
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

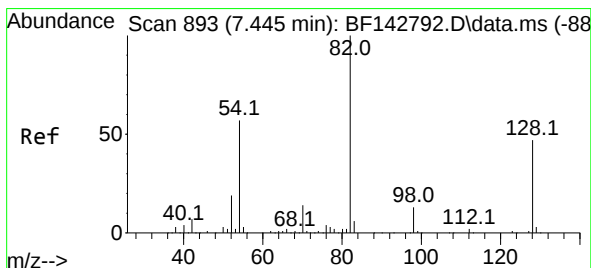
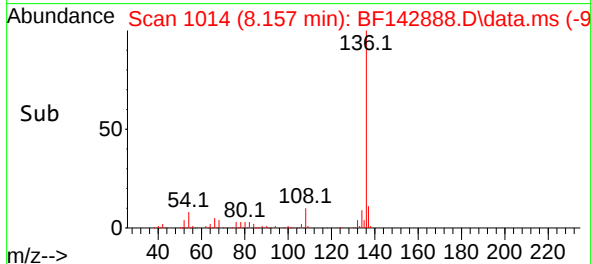
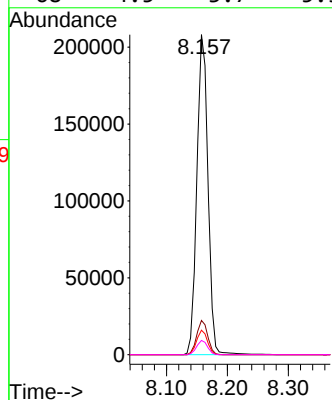
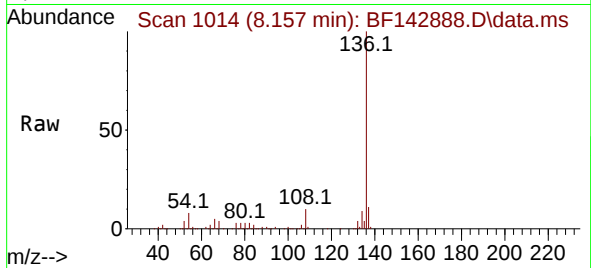




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

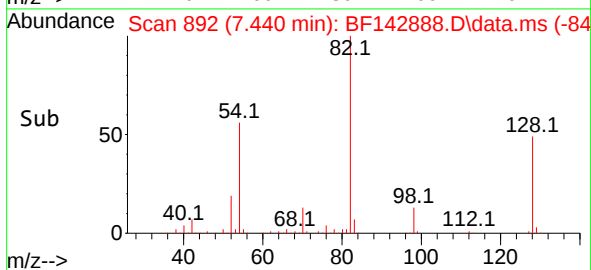
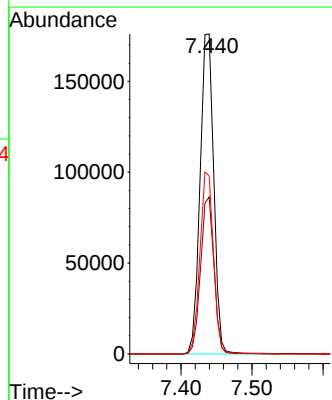
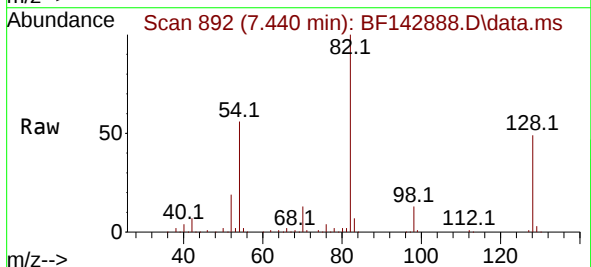
Instrument :
BNA_F
ClientSampleId :
COMP-3

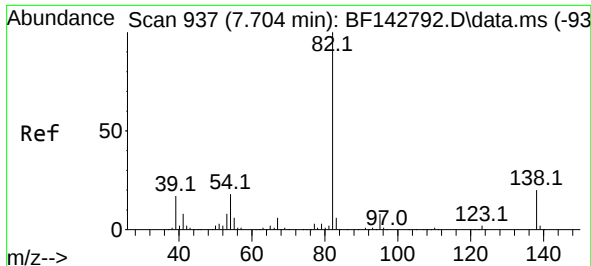
Tgt Ion:136 Resp: 263807
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.7 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 49.230 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Tgt Ion: 82 Resp: 236773
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 55.6 45.7 68.5

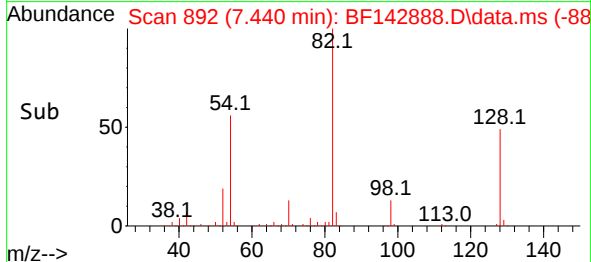
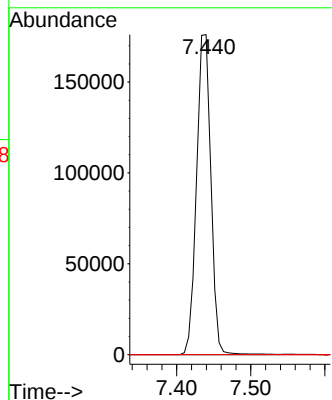
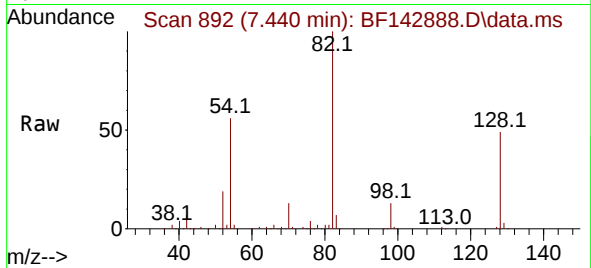




#25
Isophorone
Concen: 30.692 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

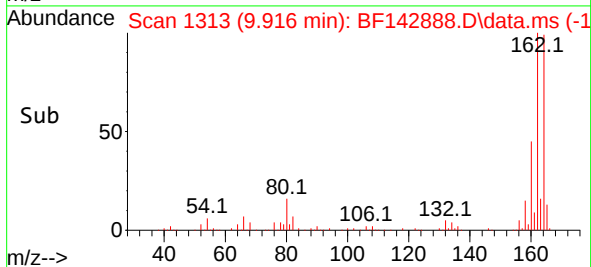
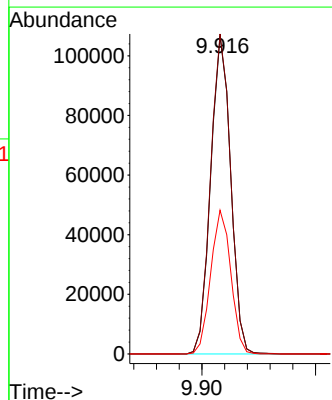
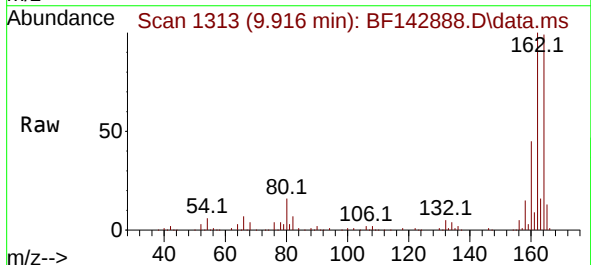
Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion: 82 Resp: 236800
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

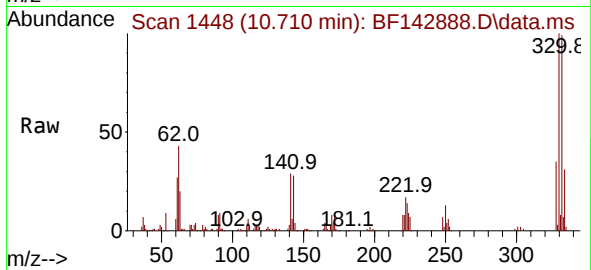
Tgt Ion:164 Resp: 130470
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 45.2 36.0 54.0



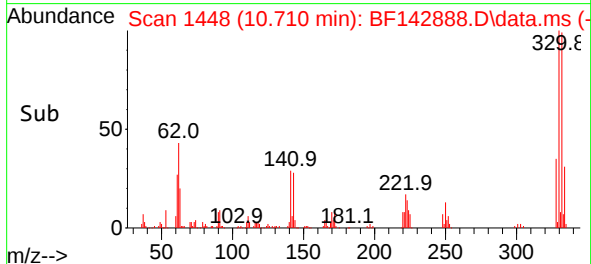
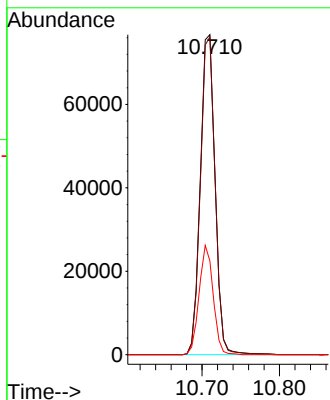


#42
2,4,6-Tribromophenol
Concen: 75.623 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

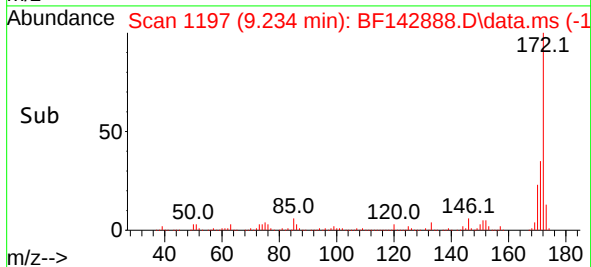
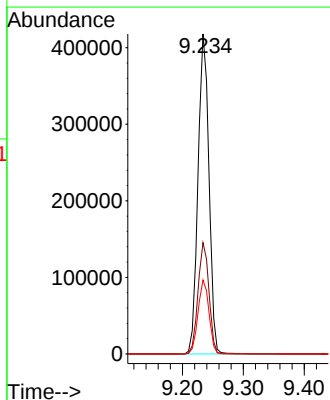
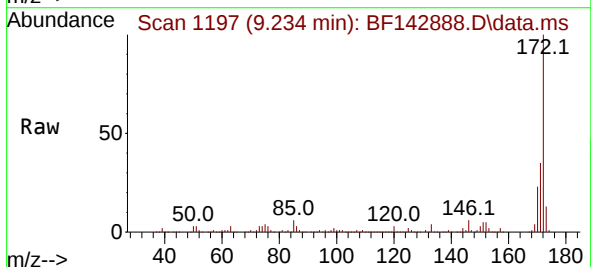


Tgt Ion:330 Resp: 101534
Ion Ratio Lower Upper
330 100
332 98.5 75.0 112.6
141 32.5 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 52.375 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Tgt Ion:172 Resp: 520174
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.1 18.5 27.7

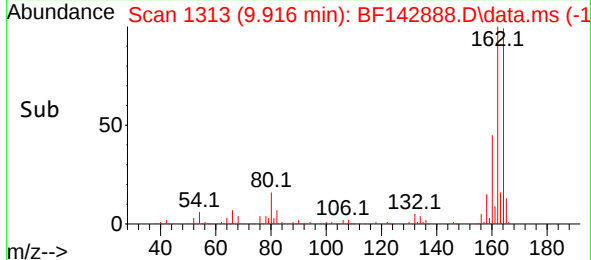
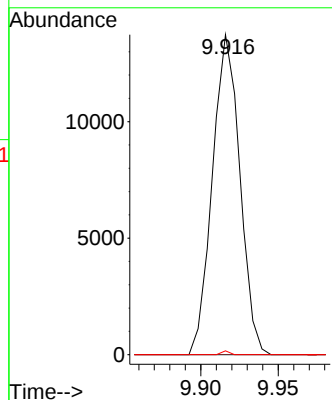
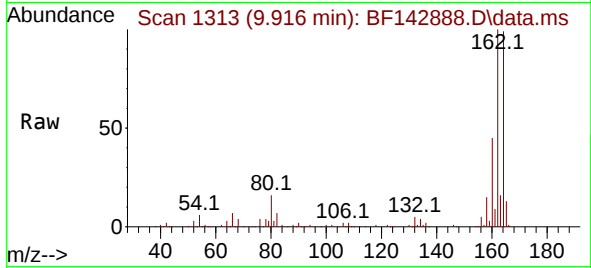




#51
2,6-Dinitrotoluene
Concen: 9.114 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

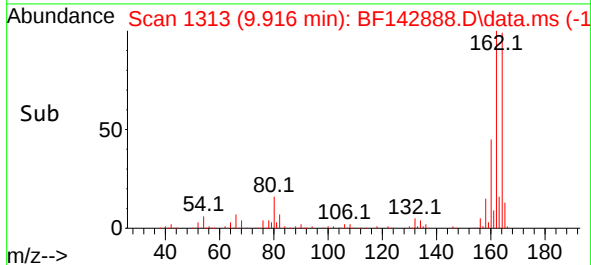
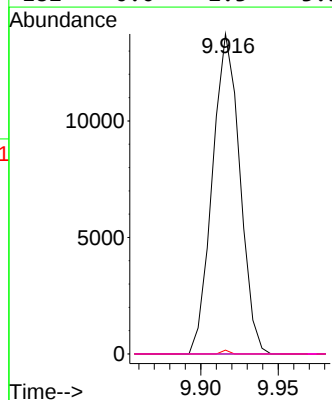
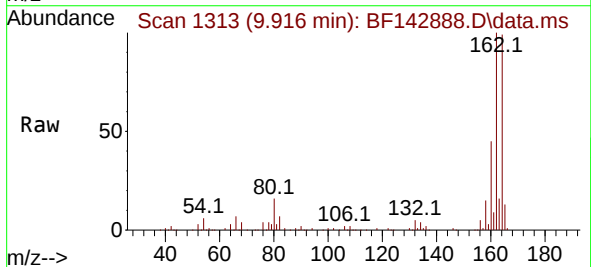
Instrument :
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ClientSampleId :
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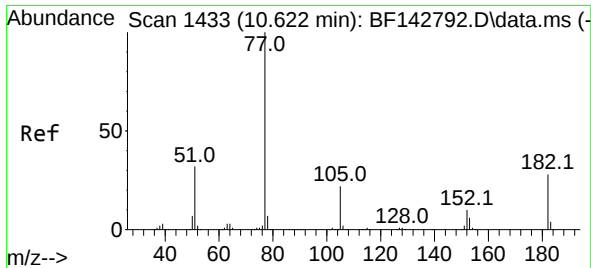
Tgt Ion:165 Resp: 16904
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.2 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.862 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Tgt Ion:165 Resp: 16904
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.2 50.6 75.8#
182 0.0 2.3 3.5#

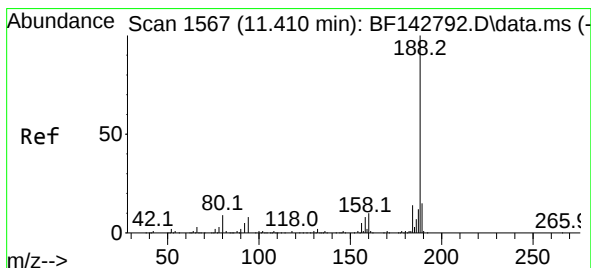
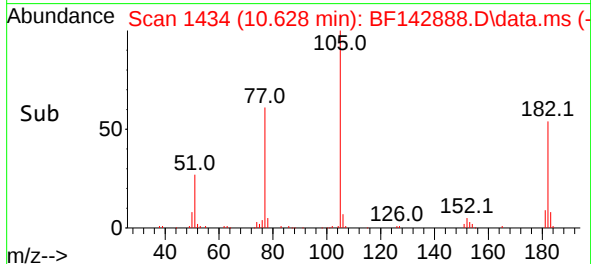
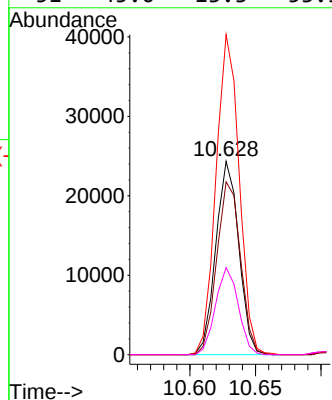
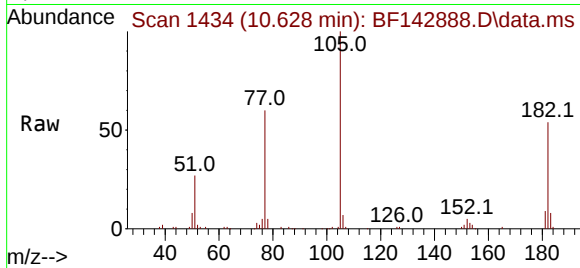




#63
Azobenzene
Concen: 4.008 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

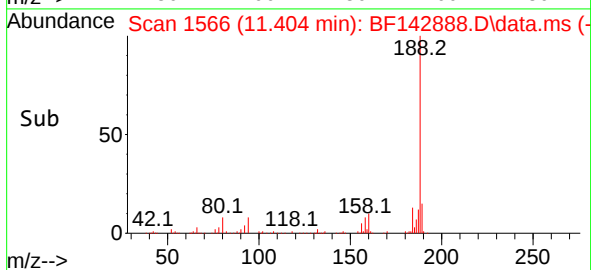
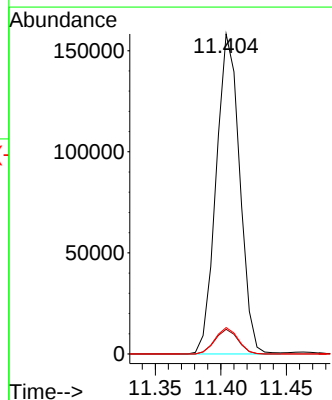
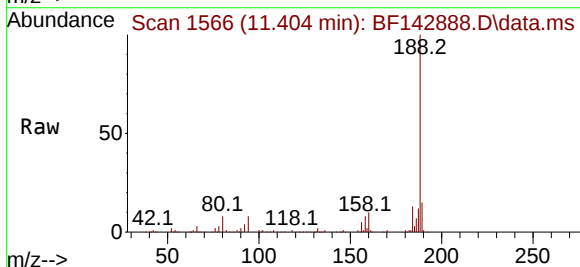
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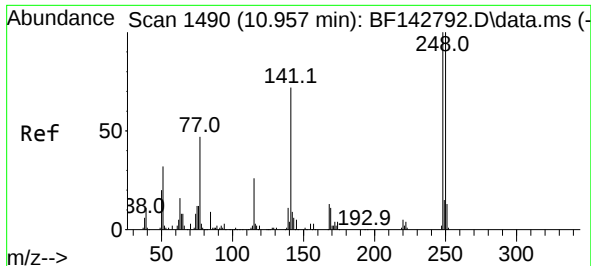
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Ion Ratio	Lower Upper
77 100	
182 89.4	7.7 47.7#
105 165.5	1.9 41.9#
51 45.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

Tgt Ion: 188	Resp: 197251
Ion Ratio	Lower Upper
188 100	
94 7.7	6.7 10.1
80 8.2	6.9 10.3

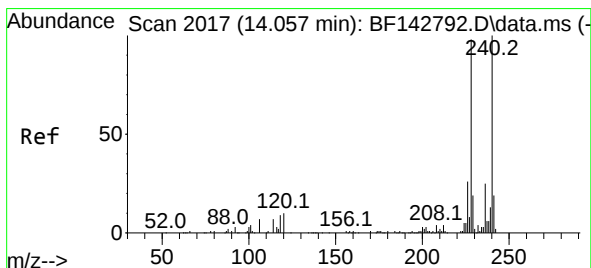
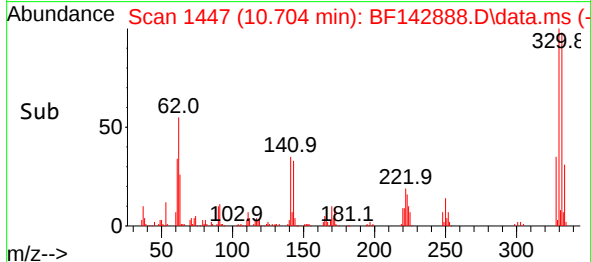
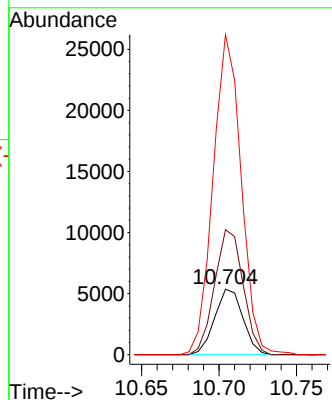
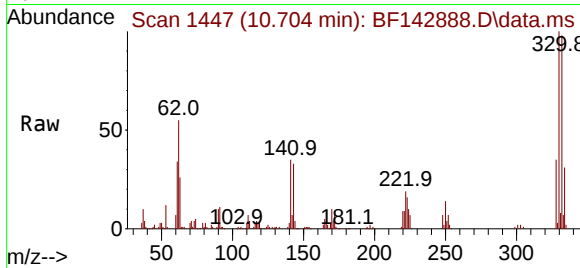




#67
4-Bromophenyl-phenylether
Concen: 3.032 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

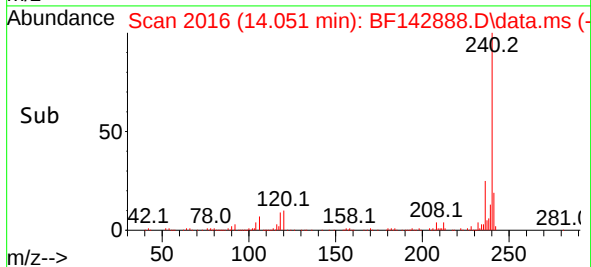
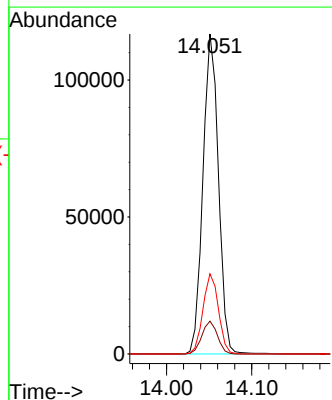
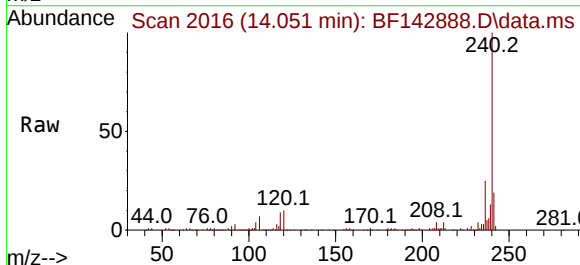
Instrument :
BNA_F
ClientSampleId :
COMP-3

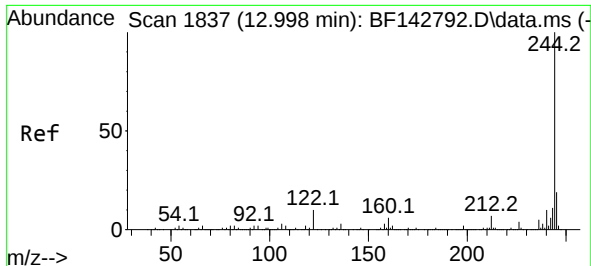
Tgt Ion:248 Resp: 6806
Ion Ratio Lower Upper
248 100
250 190.9 79.8 119.8#
141 488.7 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142888.D
Acq: 27 Jun 2025 12:50

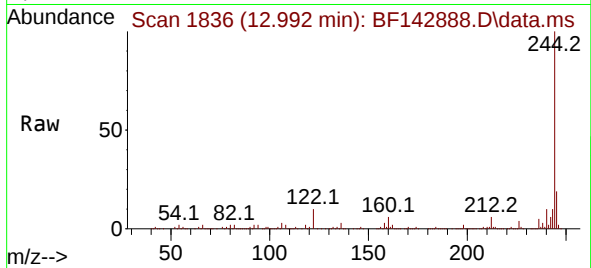
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Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.0 19.8 29.8



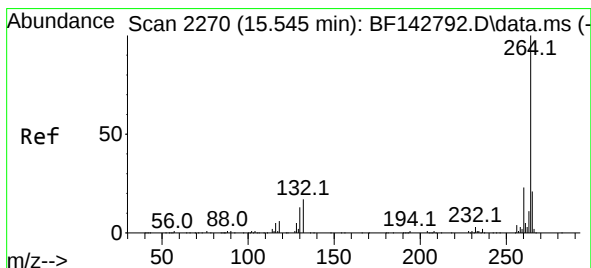
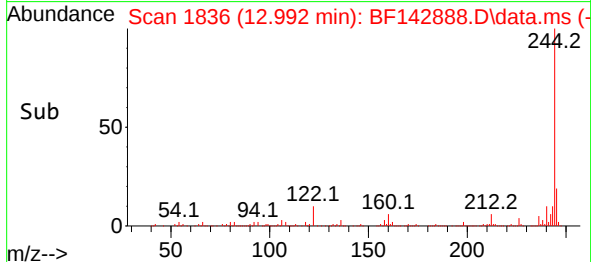
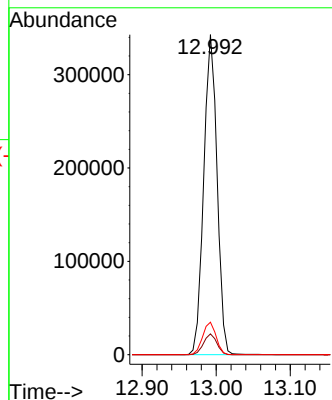


#79
 Terphenyl-d14
 Concen: 40.103 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142888.D
 Acq: 27 Jun 2025 12:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3



Tgt Ion:244 Resp: 428159
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142888.D
 Acq: 27 Jun 2025 12:50

Tgt Ion:264 Resp: 148110
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.1 27.1
 265 21.3 16.6 25.0

