

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142897.D
 Acq On : 27 Jun 2025 17:12
 Operator : RC/JU
 Sample : Q2414-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 27 18:04:26 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)

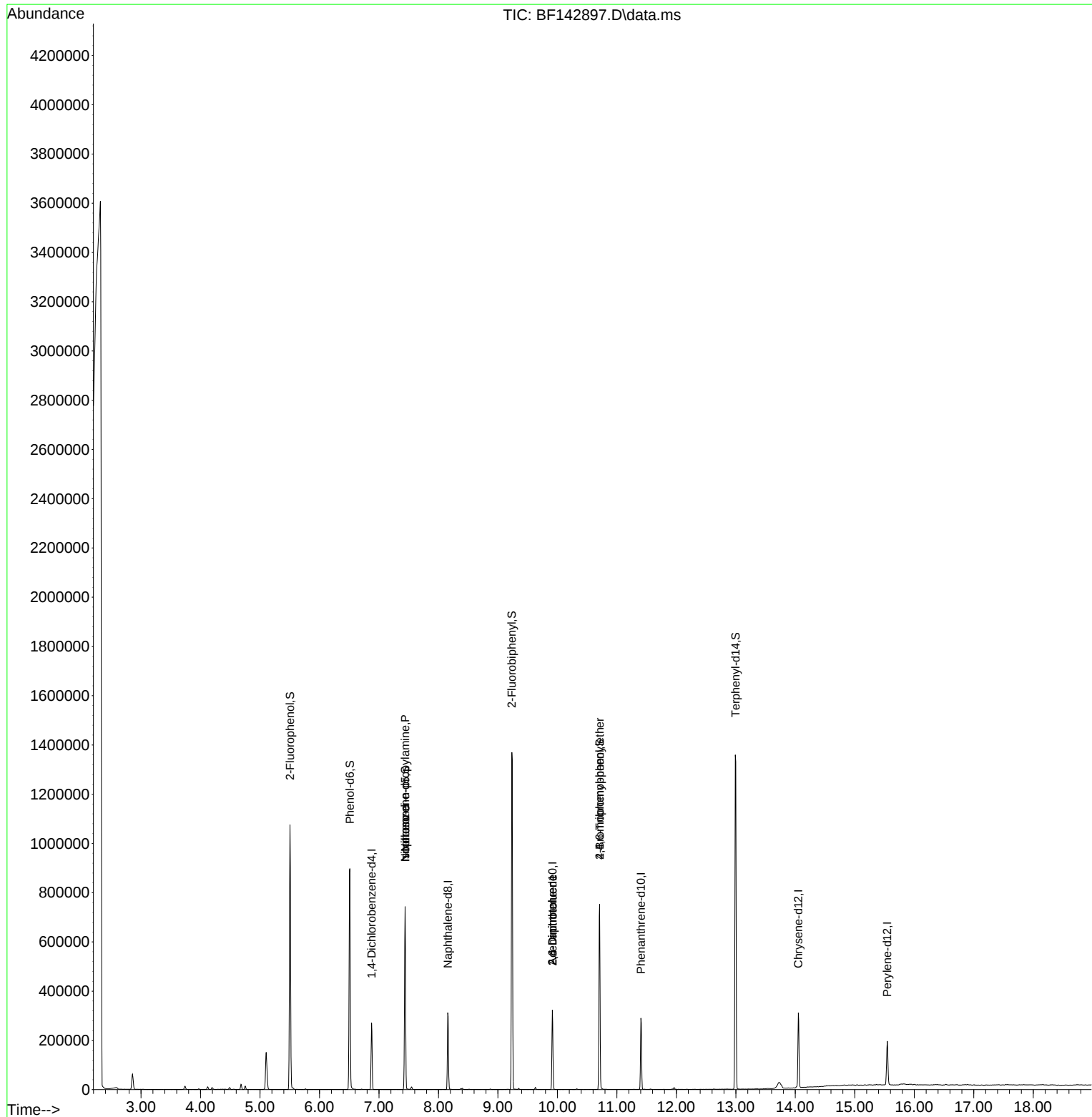
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59380	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	207002	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	97999	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	155293	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151514	20.000	ng	0.00
86) Perylene-d12	15.545	264	107020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	408956	114.665	ng	0.01
7) Phenol-d6	6.510	99	427639	101.630	ng	0.00
23) Nitrobenzene-d5	7.440	82	312333	82.761	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	131480	130.375	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	630395	84.504	ng	-0.01
79) Terphenyl-d14	12.998	244	680803	62.084	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	41573	16.987	ng	# 76
25) Isophorone	7.440	82	312330	51.591	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12564	9.019	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12564	6.790	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	8512	4.816	ng	# 1

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

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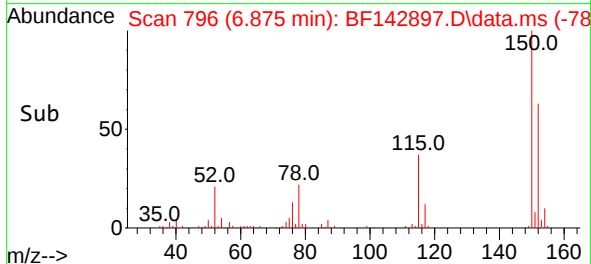
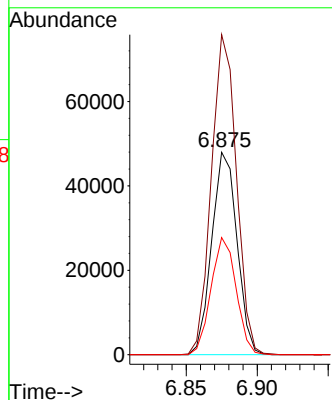
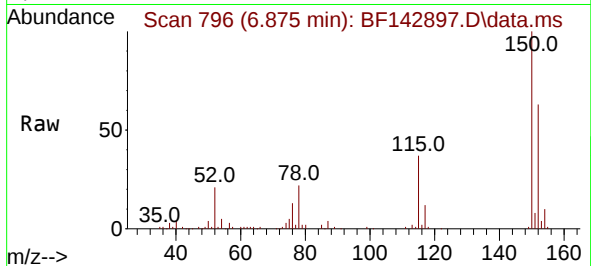




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

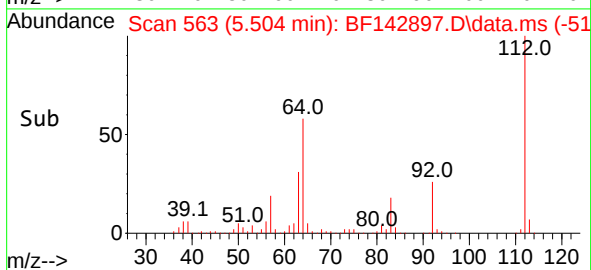
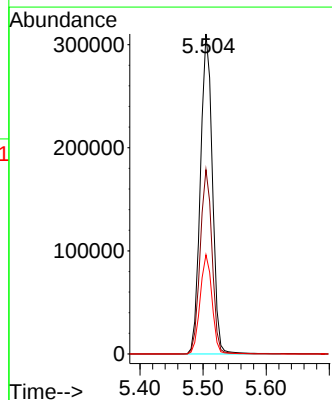
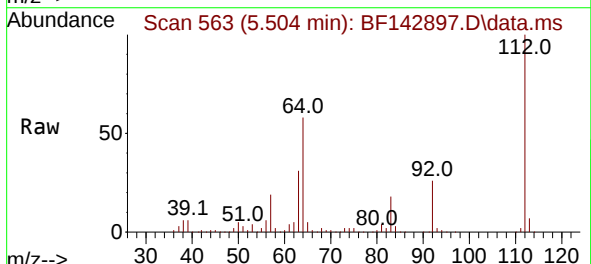
Instrument :
BNA_F
ClientSampleId :
WC-1

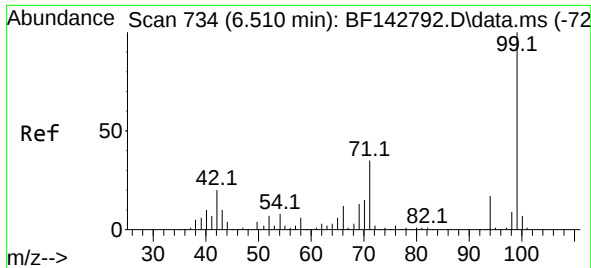
Tgt Ion:152 Resp: 59380
Ion Ratio Lower Upper
152 100
150 158.0 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 114.665 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion:112 Resp: 408956
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.2
63 31.0 25.7 38.5

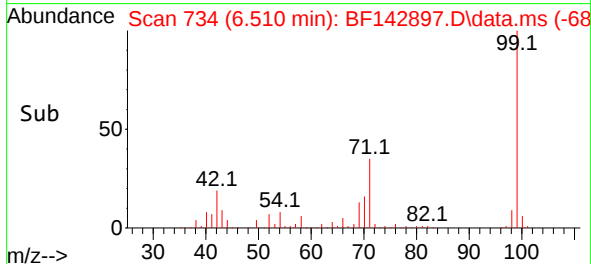
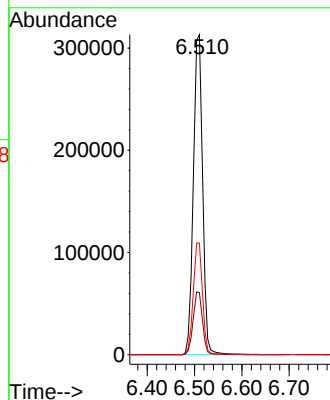
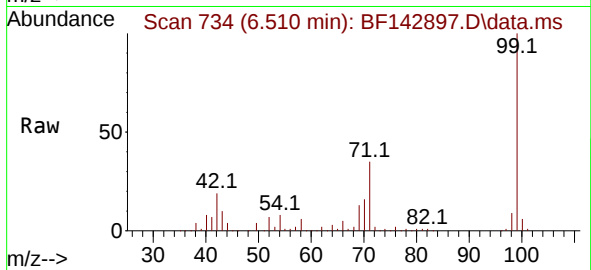




#7
Phenol-d6
Concen: 101.630 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

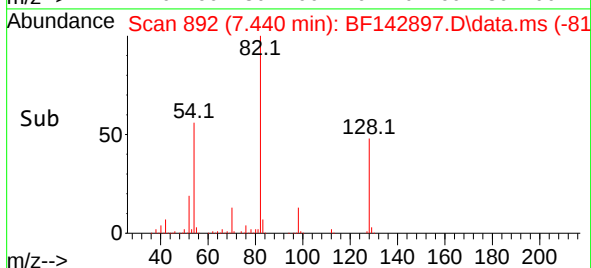
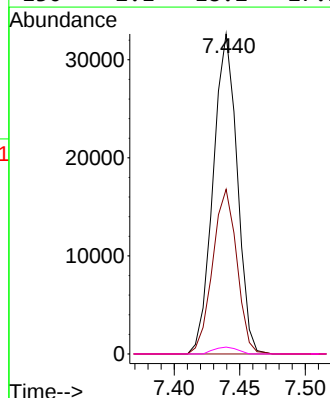
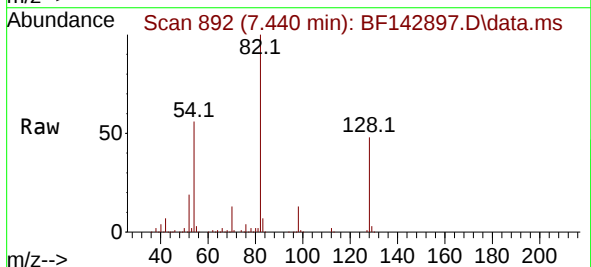
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 427639
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.987 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion: 70 Resp: 41573
Ion Ratio Lower Upper
70 100
42 51.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#

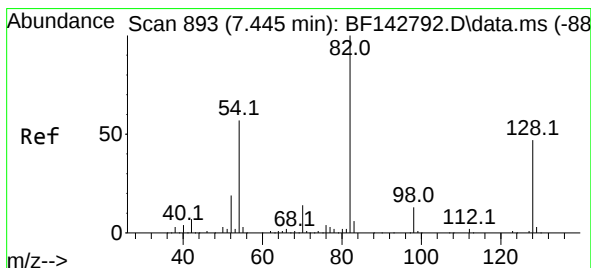
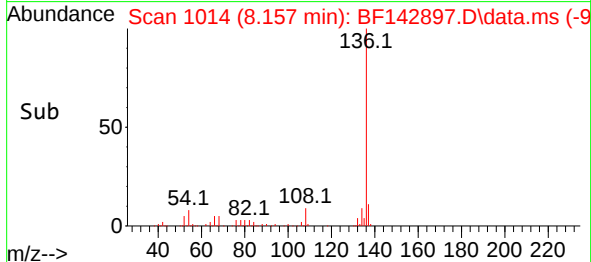
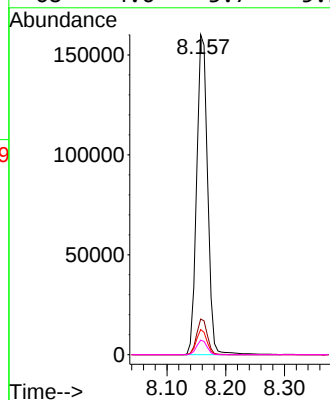
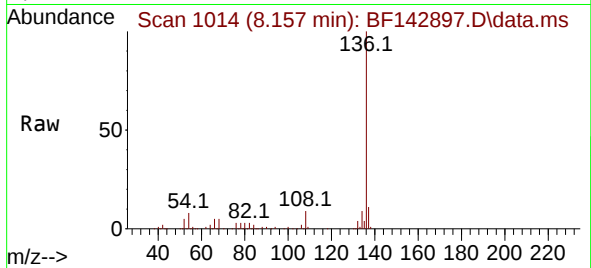




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

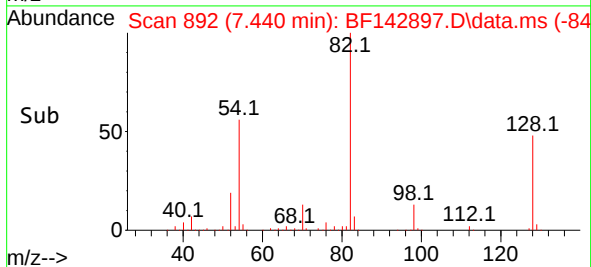
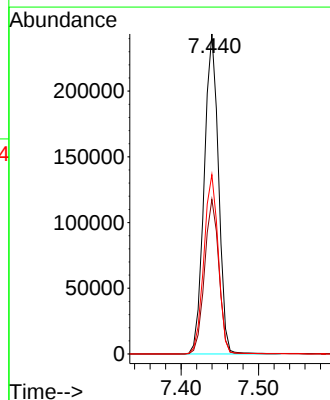
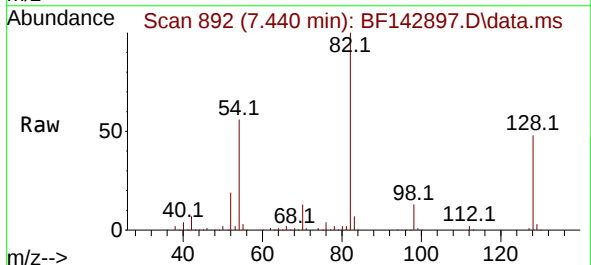
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 207002
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 7.8 6.3 9.5
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 82.761 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion: 82 Resp: 312333
Ion Ratio Lower Upper
82 100
128 48.3 37.7 56.5
54 56.0 45.7 68.5

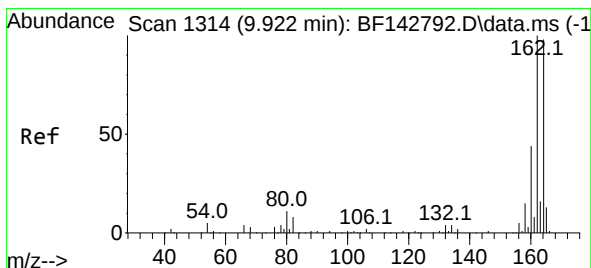
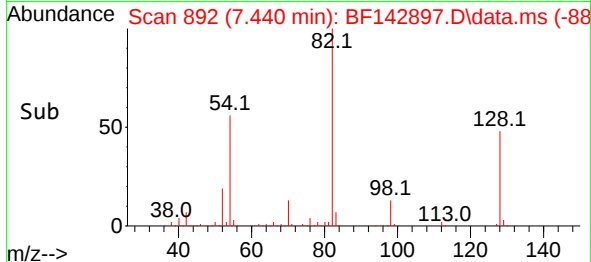
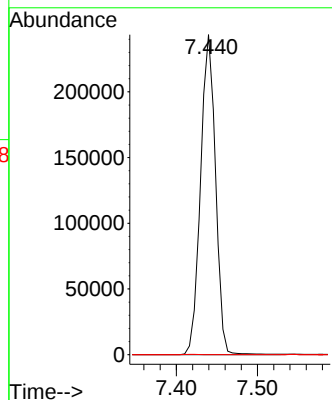
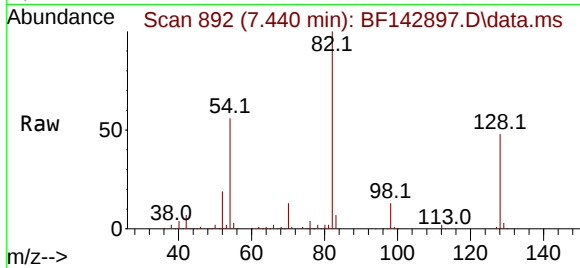




#25
Isophorone
Concen: 51.591 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

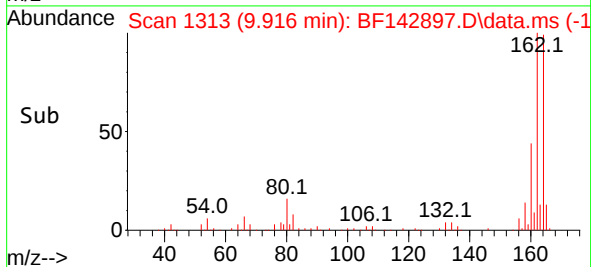
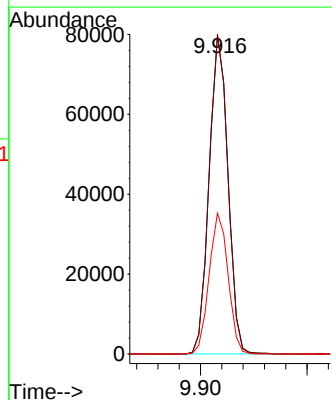
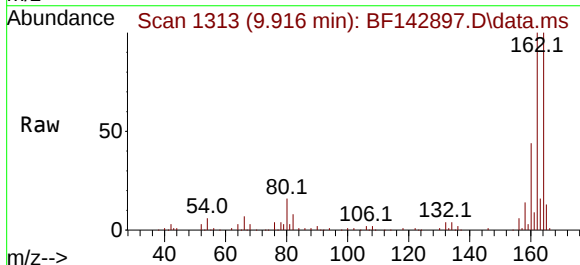
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 312330
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: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion:164 Resp: 97999
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.8
160 44.2 36.0 54.0

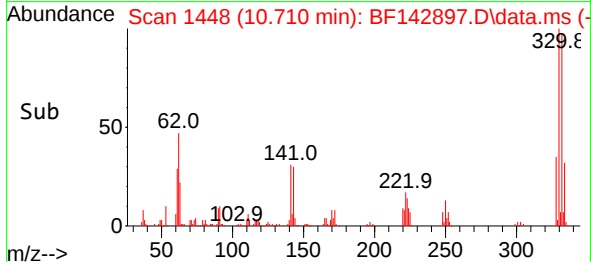
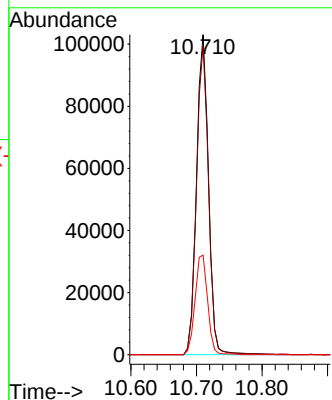
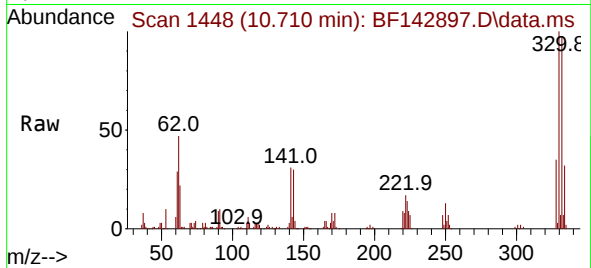




#42
2,4,6-Tribromophenol
Concen: 130.375 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

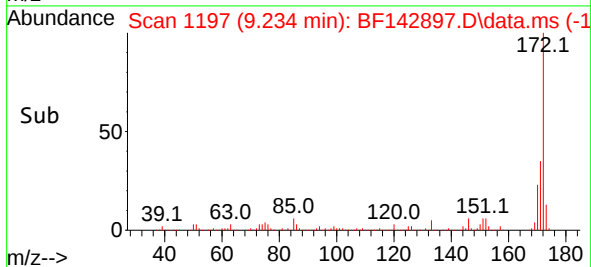
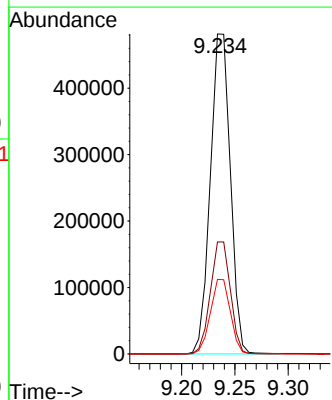
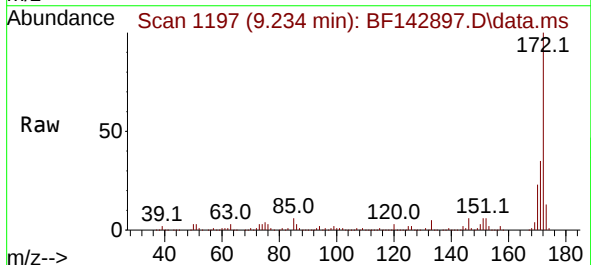
Instrument :
BNA_F
ClientSampleId :
WC-1

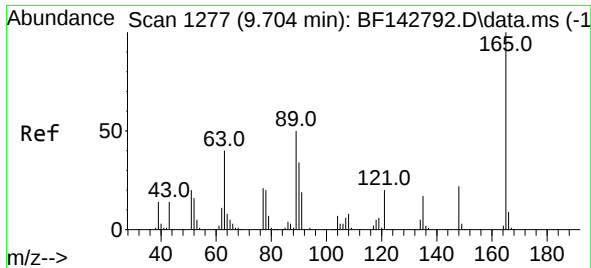
Tgt Ion:330 Resp: 131480
Ion Ratio Lower Upper
330 100
332 96.6 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 84.504 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion:172 Resp: 630395
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.3 18.5 27.7

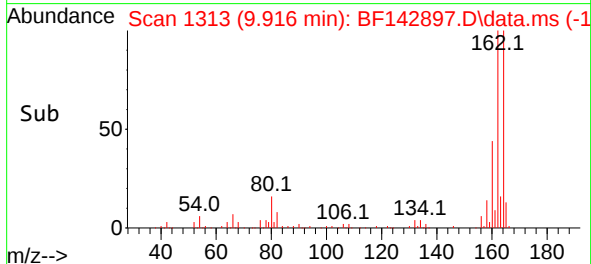
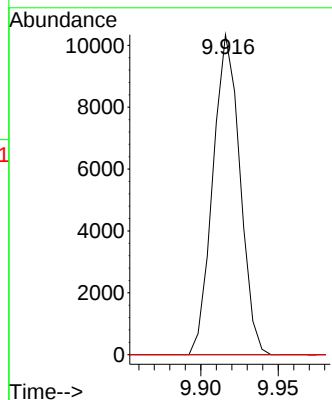
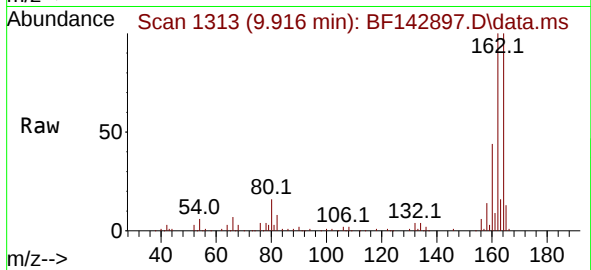




#51
2,6-Dinitrotoluene
Concen: 9.019 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

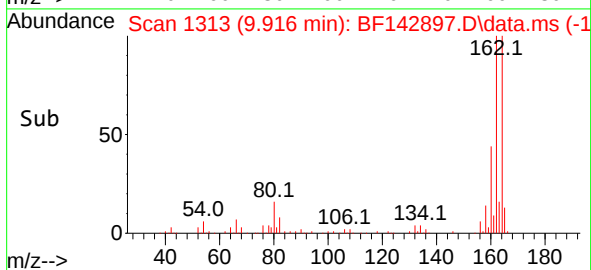
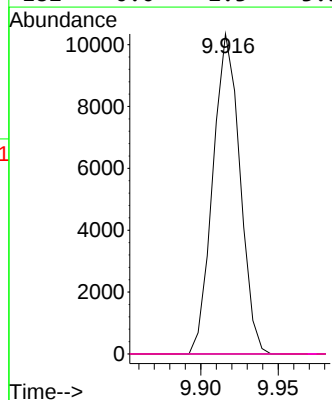
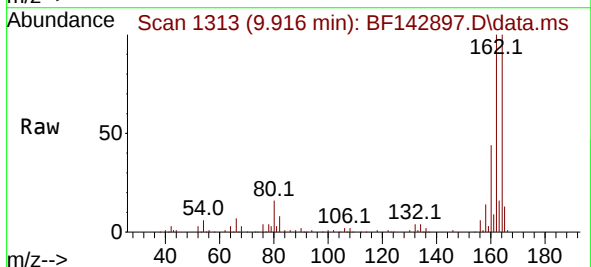
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BNA_F
ClientSampleId :
WC-1

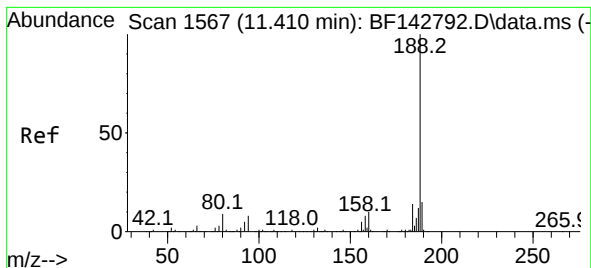
Tgt Ion:165 Resp: 12564
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.790 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion:165 Resp: 12564
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142897.D

Acq: 27 Jun 2025 17:12

Instrument :

BNA_F

ClientSampleId :

WC-1

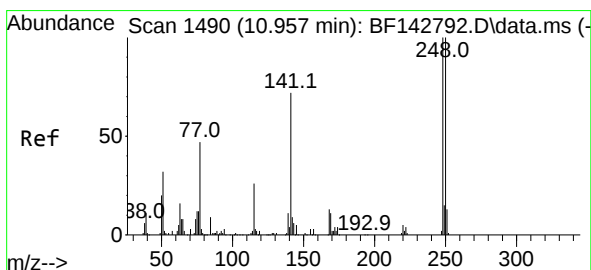
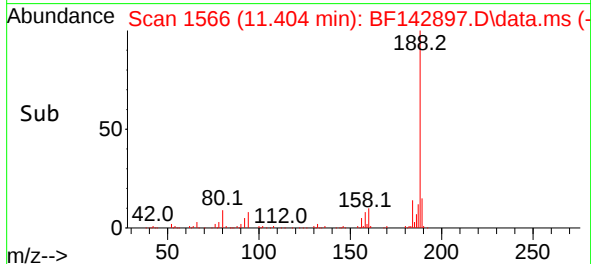
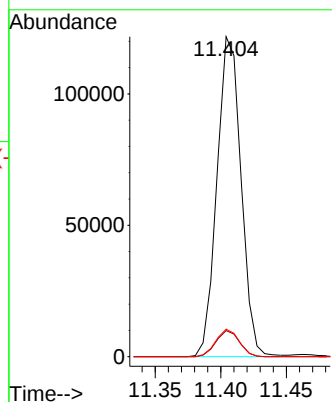
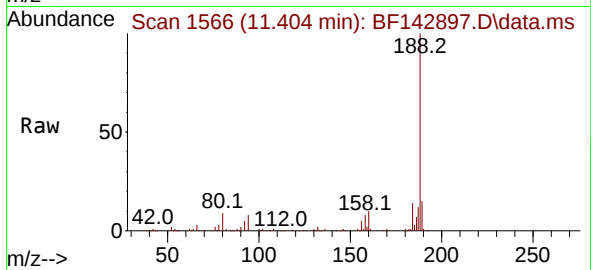
Tgt Ion:188 Resp: 155293

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.816 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142897.D

Acq: 27 Jun 2025 17:12

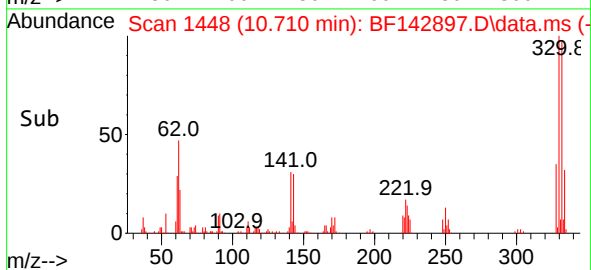
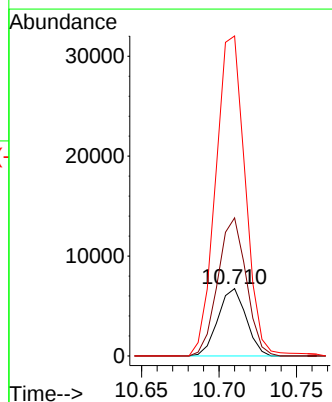
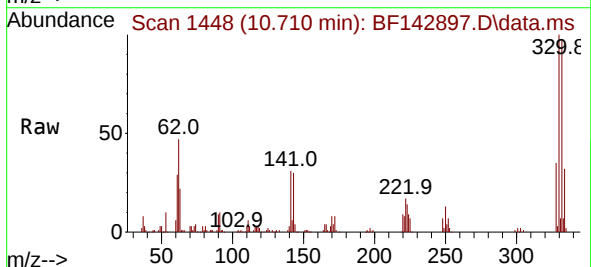
Tgt Ion:248 Resp: 8512

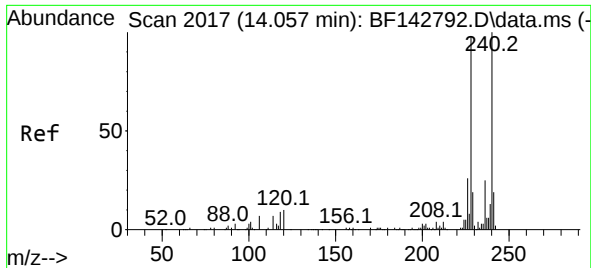
Ion Ratio Lower Upper

248 100

250 204.7 79.8 119.8#

141 474.6 57.8 86.6#

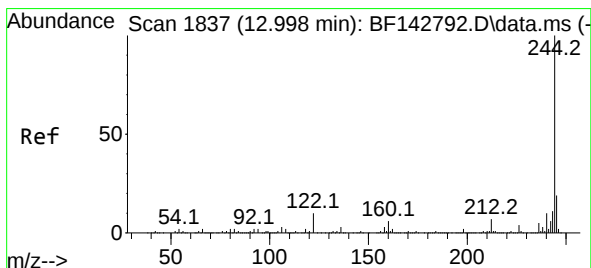
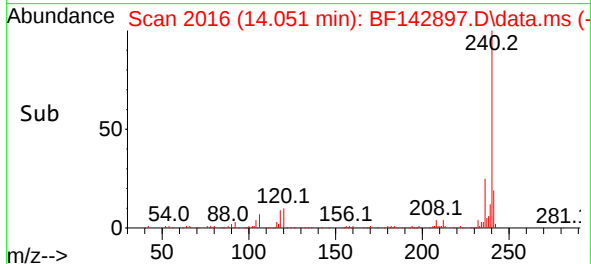
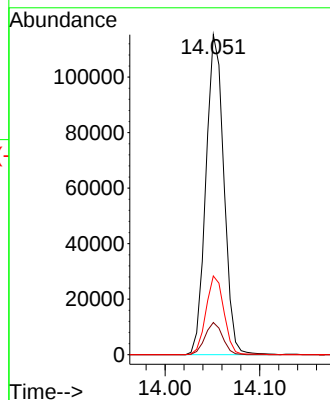
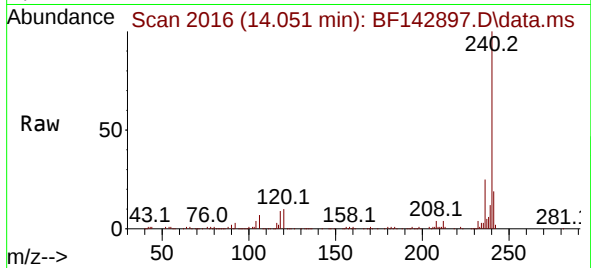




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

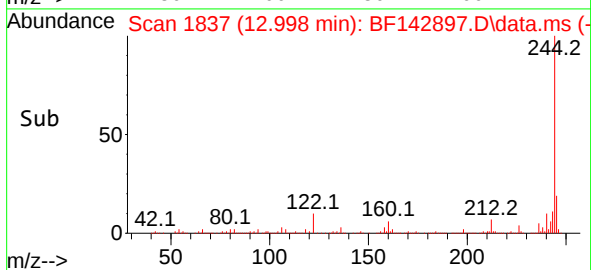
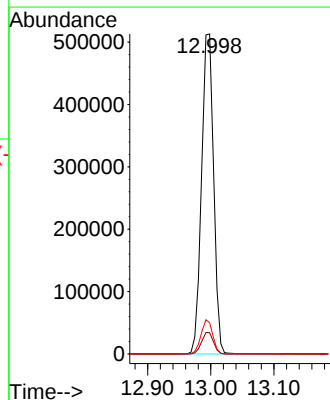
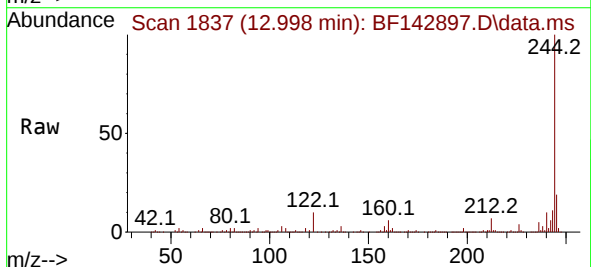
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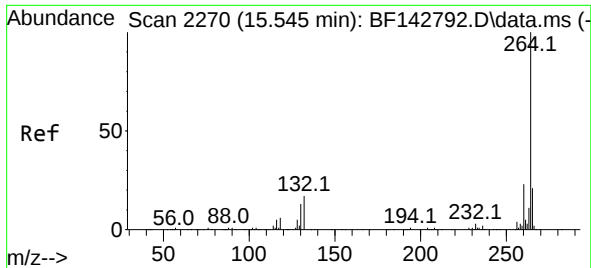
Tgt Ion:240 Resp: 151514
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.6 19.8 29.8



#79
Terphenyl-d14
Concen: 62.084 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF142897.D
Acq: 27 Jun 2025 17:12

Tgt Ion:244 Resp: 680803
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.7 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142897.D
 Acq: 27 Jun 2025 17:12

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:264 Resp: 107020
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.1 27.1
 265 22.1 16.6 25.0

