

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142972.D
 Acq On : 02 Jul 2025 15:47
 Operator : RC/JU
 Sample : Q2452-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2

Quant Time: Jul 02 16:12:55 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)

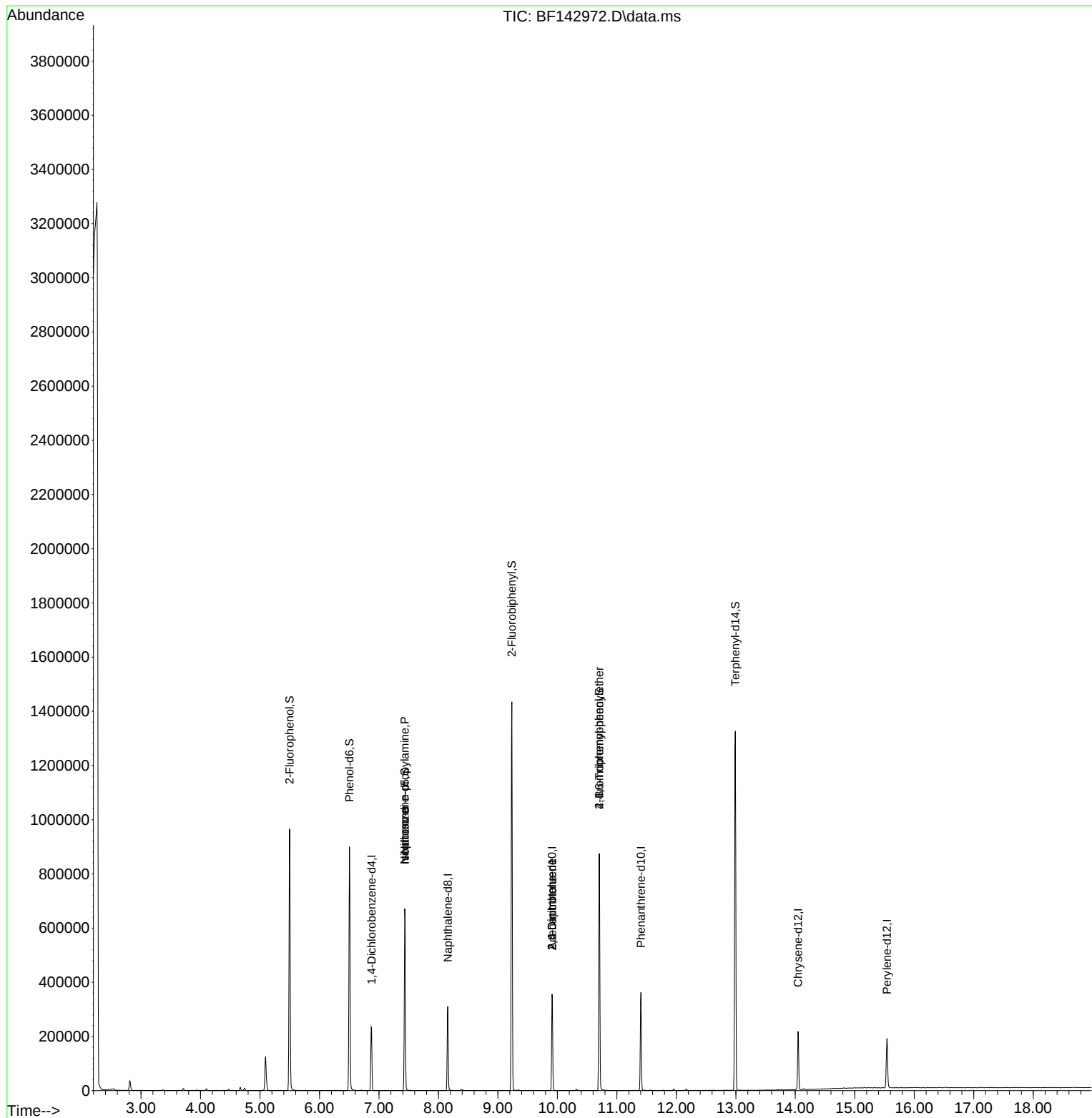
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	53635	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	201811	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	111172	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	192487	20.000	ng	0.00
76) Chrysene-d12	14.045	240	111458	20.000	ng	-0.01
86) Perylene-d12	15.539	264	108899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	373890	116.062	ng	0.00
7) Phenol-d6	6.504	99	419762	110.443	ng	0.00
23) Nitrobenzene-d5	7.434	82	289698	78.738	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	151763	132.656	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	640480	75.683	ng	-0.01
79) Terphenyl-d14	12.992	244	661126	81.957	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	39185	17.727	ng	# 75
25) Isophorone	7.434	82	289697	49.083	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14355	9.083	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	14355	6.838	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	9710	4.432	ng	# 1

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

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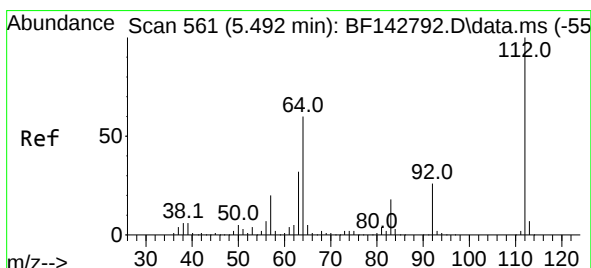
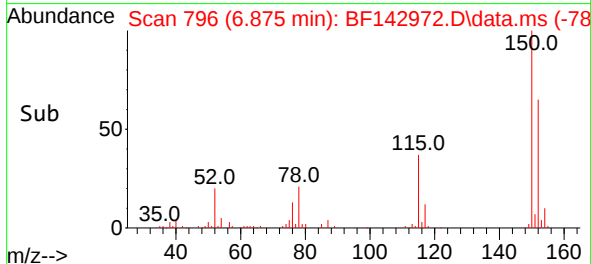
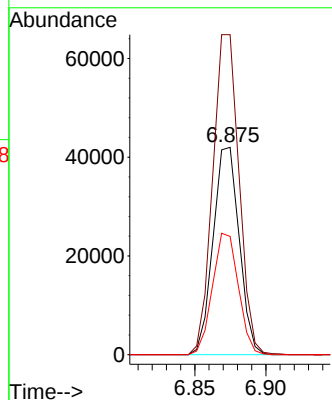
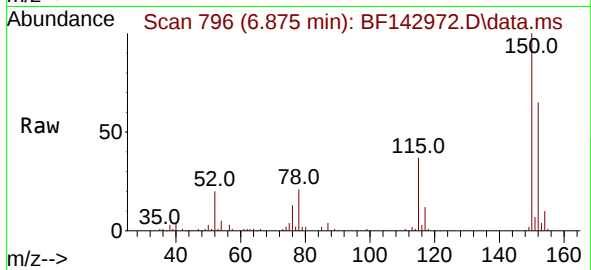




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142972.D
 Acq: 02 Jul 2025 15:47

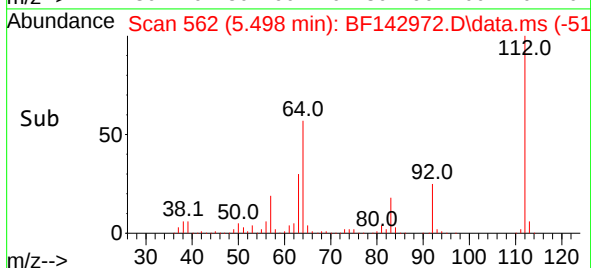
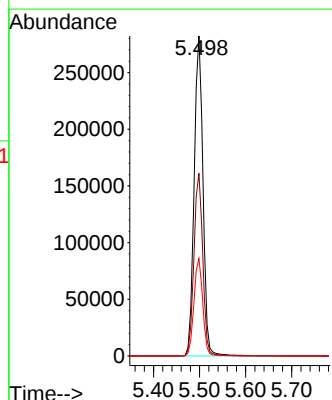
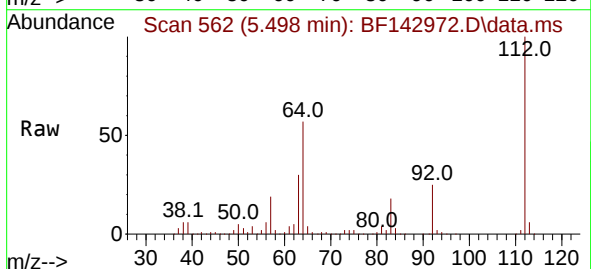
Instrument :
 BNA_F
 ClientSampleId :
 EP-2

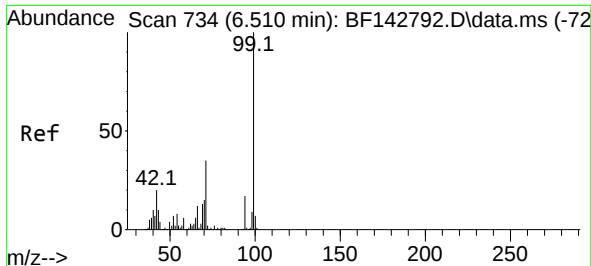
Tgt Ion:152 Resp: 53635
 Ion Ratio Lower Upper
 152 100
 150 154.2 127.2 190.8
 115 57.0 46.6 69.8



#5
 2-Fluorophenol
 Concen: 116.062 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142972.D
 Acq: 02 Jul 2025 15:47

Tgt Ion:112 Resp: 373890
 Ion Ratio Lower Upper
 112 100
 64 57.1 48.2 72.2
 63 30.5 25.7 38.5

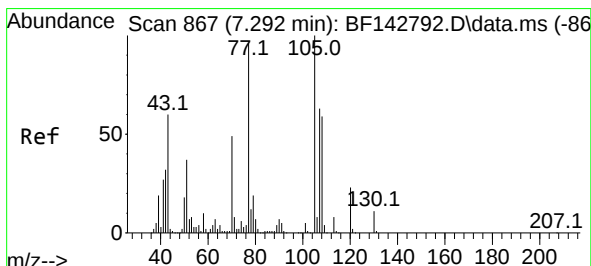
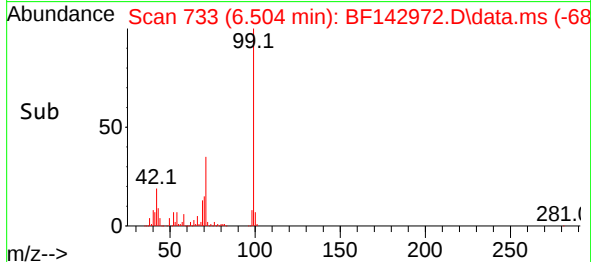
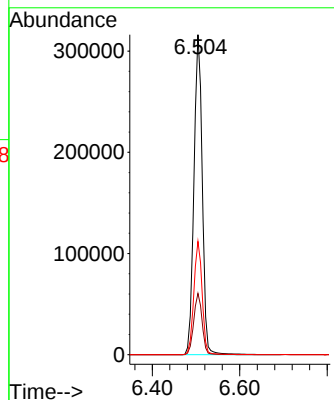
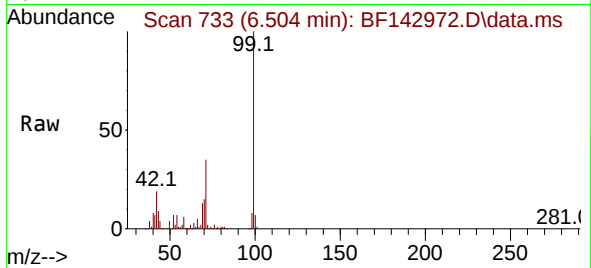




#7
Phenol-d6
Concen: 110.443 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

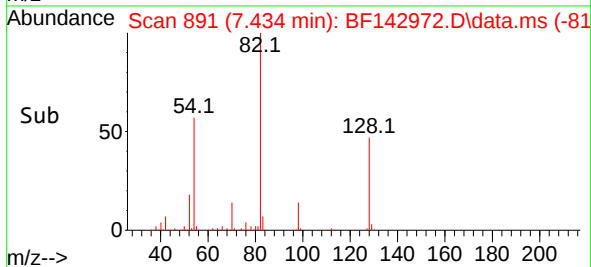
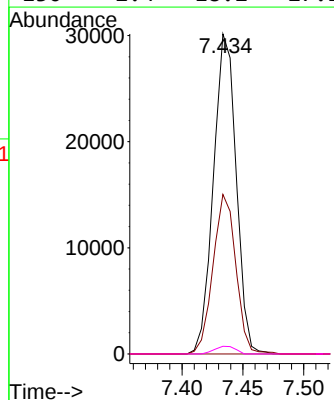
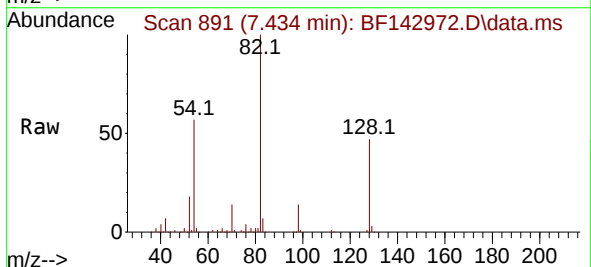
Instrument :
BNA_F
ClientSampleId :
EP-2

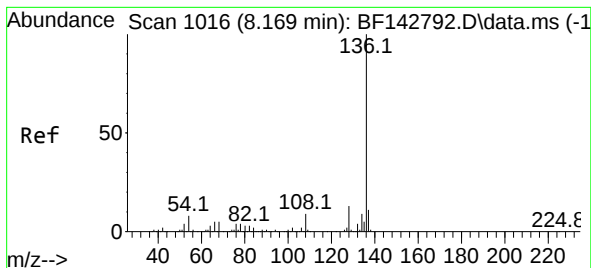
Tgt Ion: 99 Resp: 419762
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.727 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Tgt Ion: 70 Resp: 39185
Ion Ratio Lower Upper
70 100
42 49.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 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: BF142972.D

Acq: 02 Jul 2025 15:47

Instrument :

BNA_F

ClientSampleId :

EP-2

Tgt Ion:136 Resp: 201811

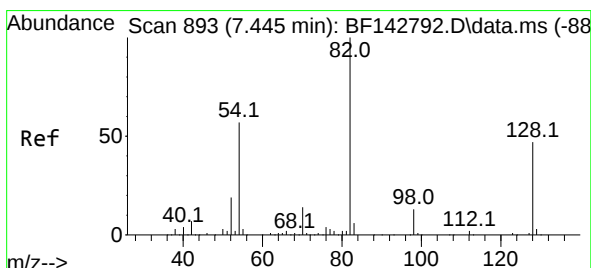
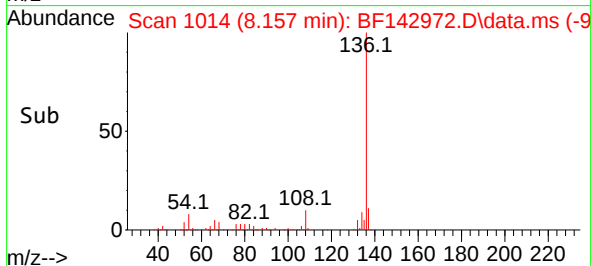
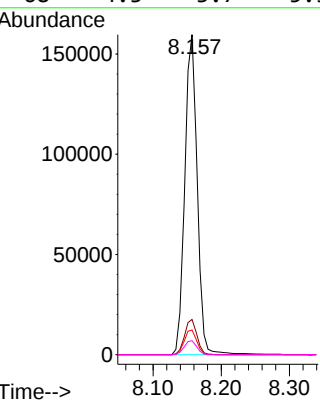
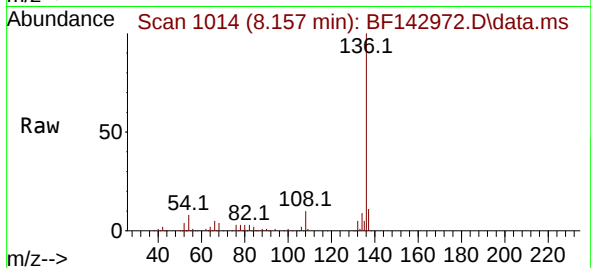
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.7 6.3 9.5

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 78.738 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142972.D

Acq: 02 Jul 2025 15:47

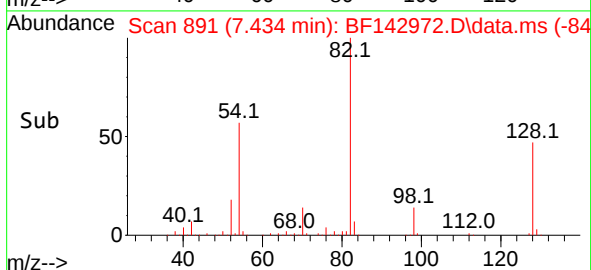
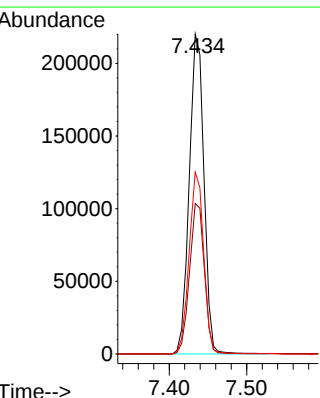
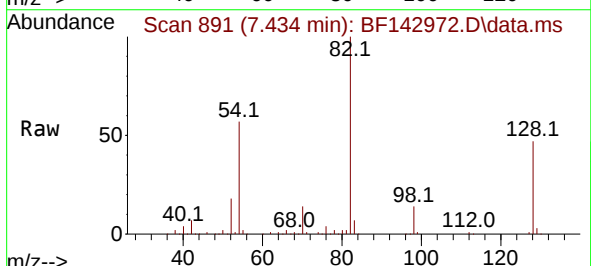
Tgt Ion: 82 Resp: 289698

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 56.9 45.7 68.5

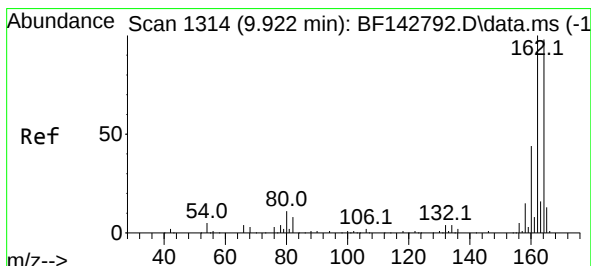
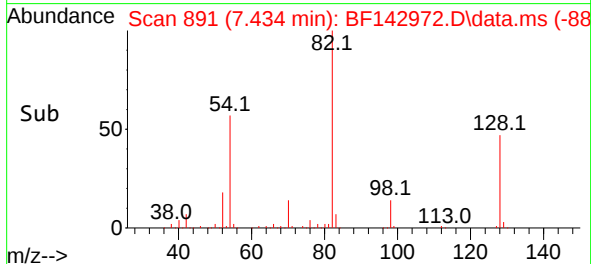
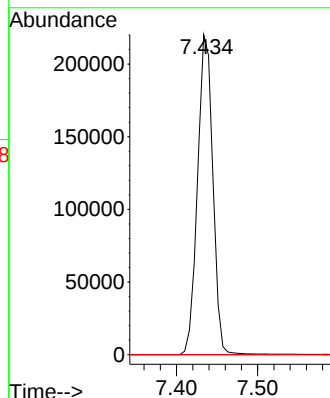
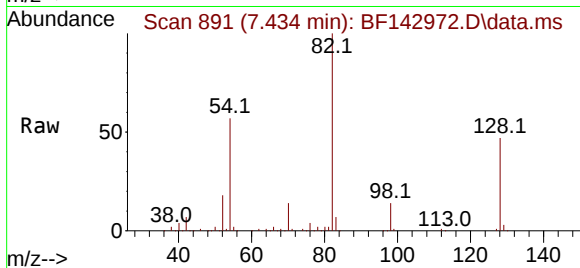




#25
Isophorone
Concen: 49.083 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

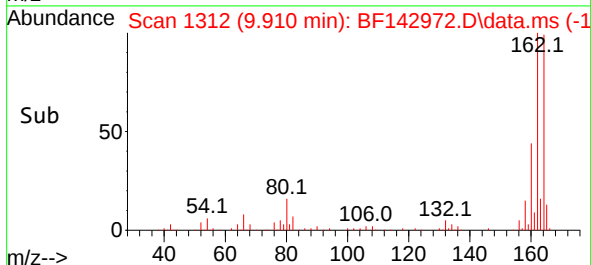
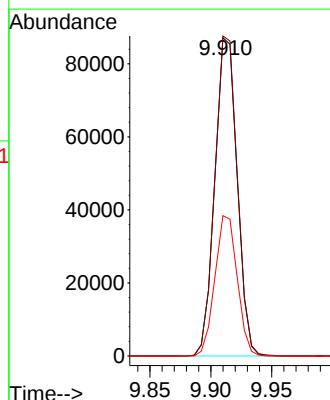
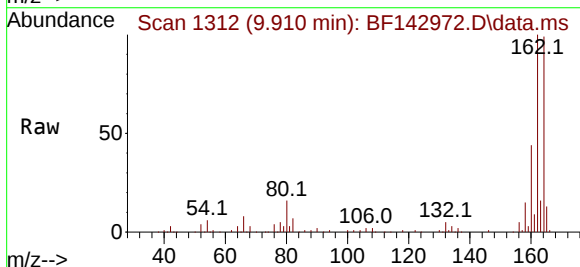
Instrument :
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EP-2

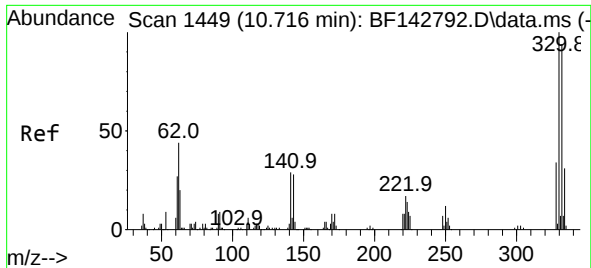
Tgt Ion: 82 Resp: 289697
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Tgt Ion:164 Resp: 111172
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.1 36.0 54.0

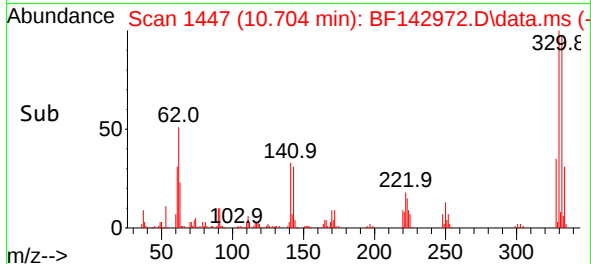
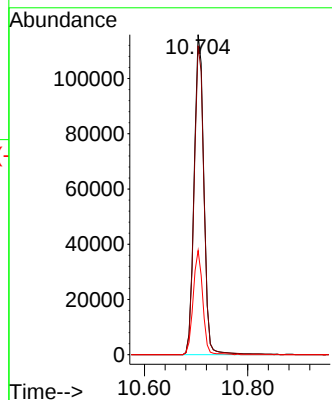
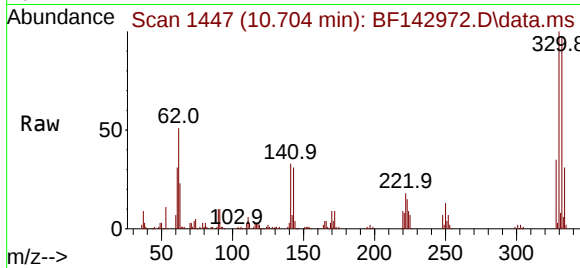




#42
 2,4,6-Tribromophenol
 Concen: 132.656 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF142972.D
 Acq: 02 Jul 2025 15:47

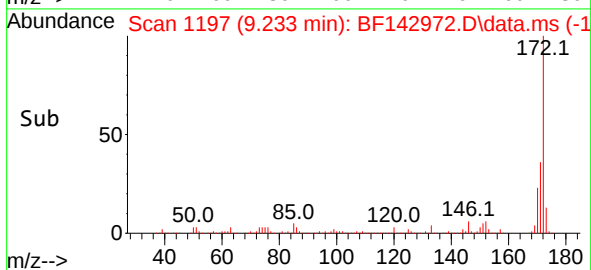
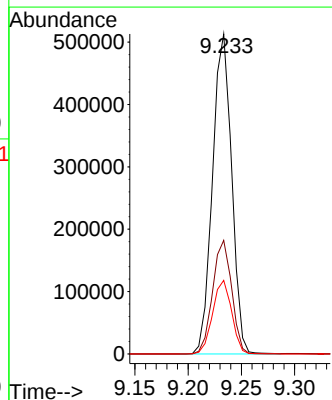
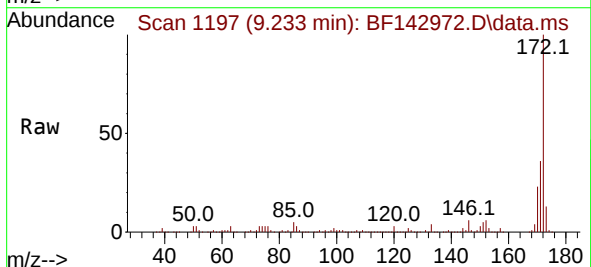
Instrument :
 BNA_F
 ClientSampleId :
 EP-2

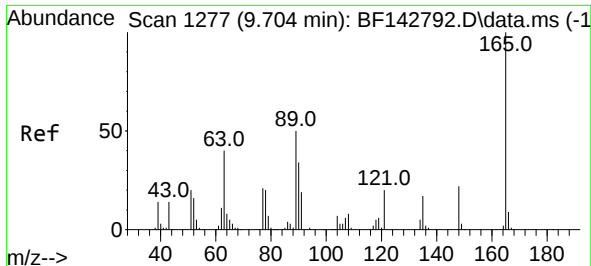
Tgt Ion:330 Resp: 151763
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.0 112.6
 141 31.9 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 75.683 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF142972.D
 Acq: 02 Jul 2025 15:47

Tgt Ion:172 Resp: 640480
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.2 42.4
 170 23.0 18.5 27.7

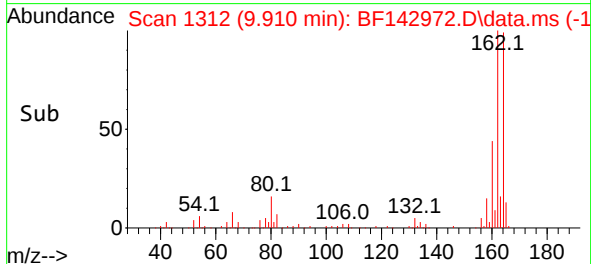
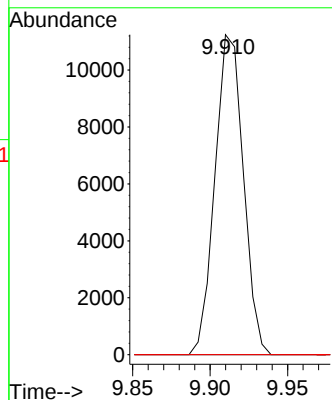
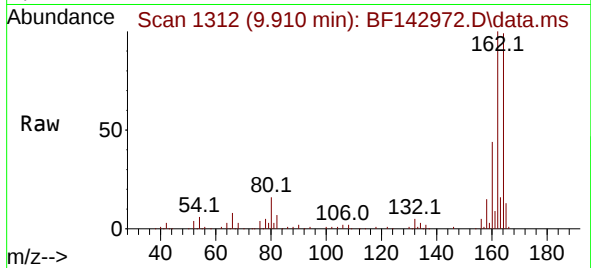




#51
2,6-Dinitrotoluene
Concen: 9.083 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

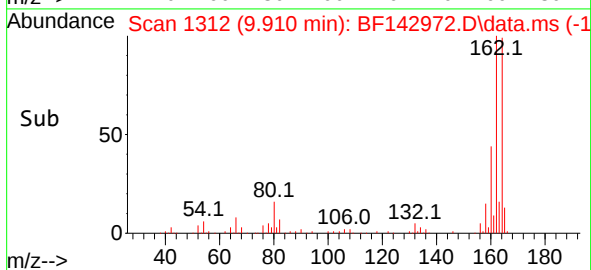
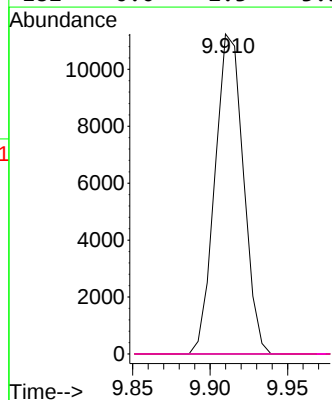
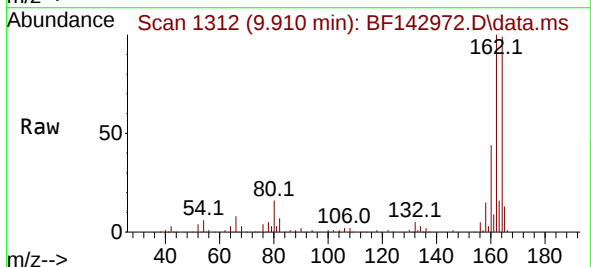
Instrument :
BNA_F
ClientSampleId :
EP-2

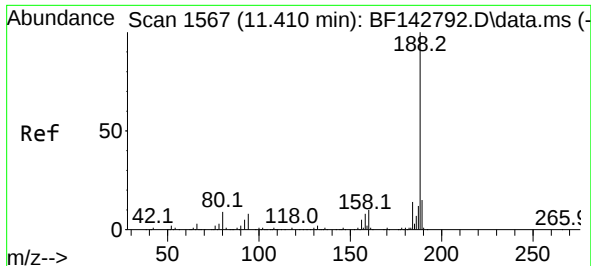
Tgt Ion:165 Resp: 14355
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.838 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Tgt Ion:165 Resp: 14355
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#

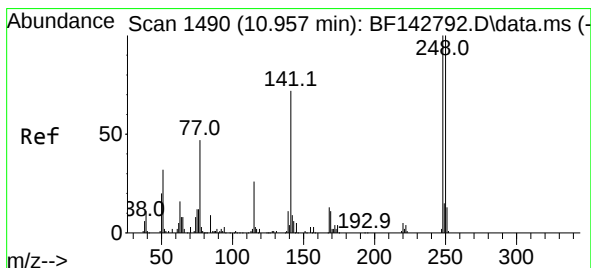
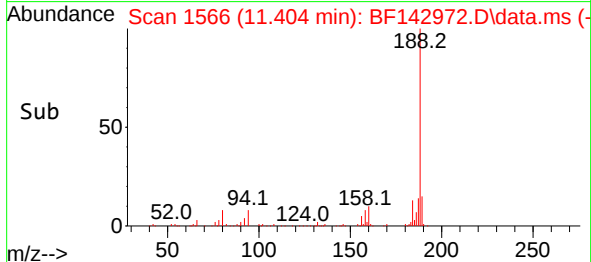
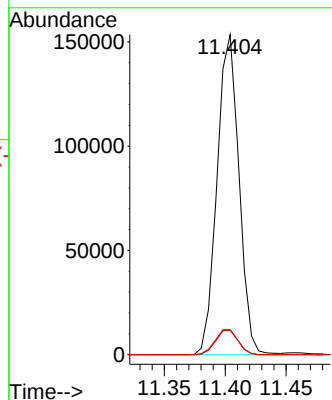
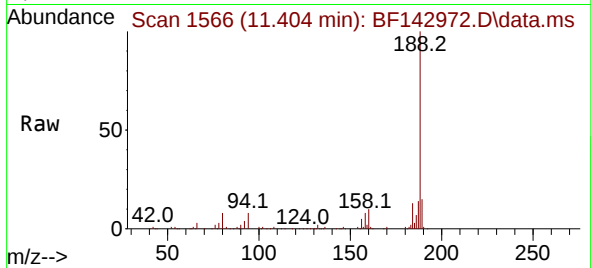




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

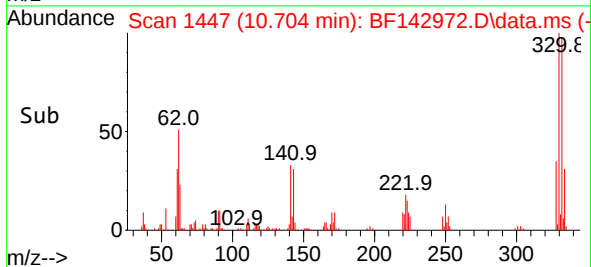
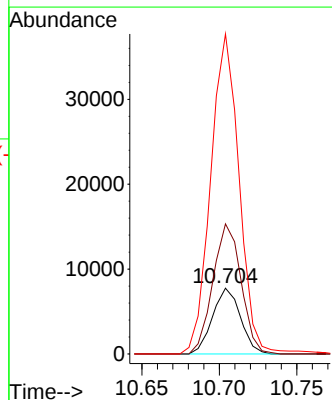
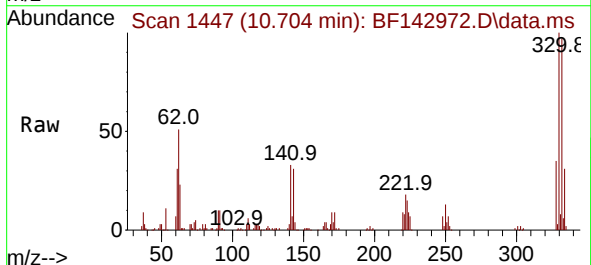
Instrument :
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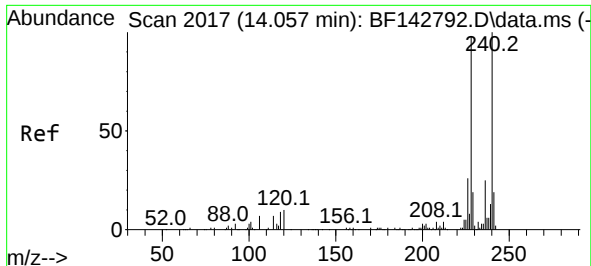
Tgt Ion:188 Resp: 192487
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.9 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.432 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Tgt Ion:248 Resp: 9710
Ion Ratio Lower Upper
248 100
250 197.8 79.8 119.8#
141 486.4 57.8 86.6#

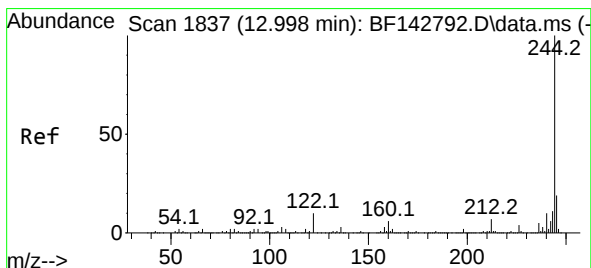
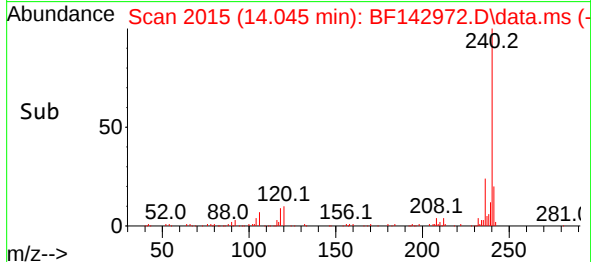
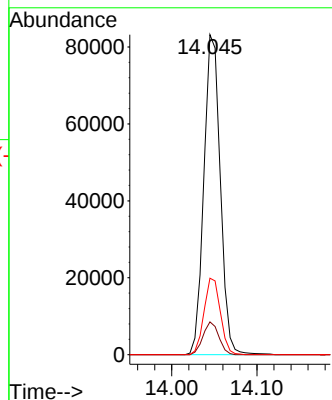
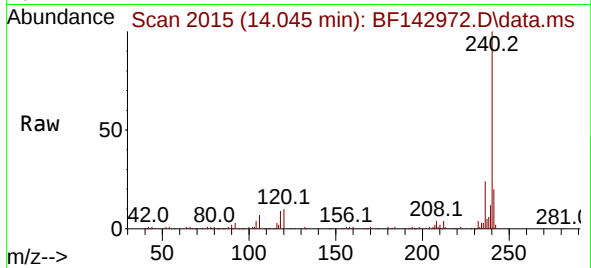




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

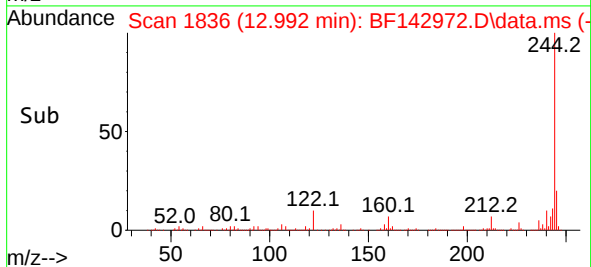
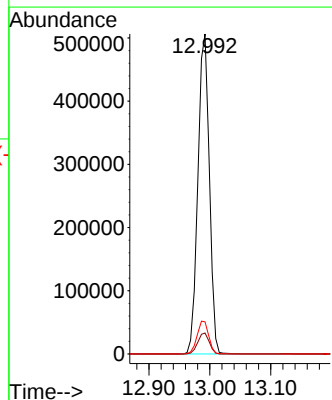
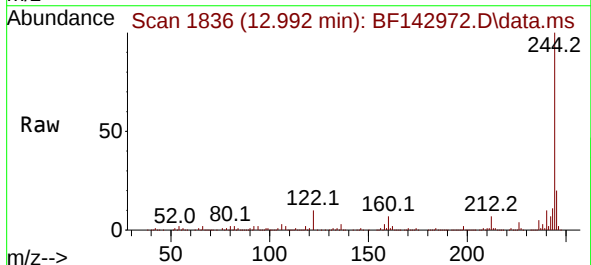
Instrument :
BNA_F
ClientSampleId :
EP-2

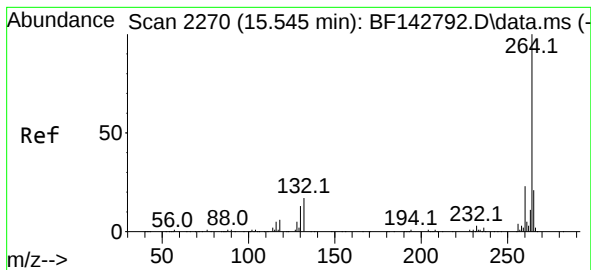
Tgt Ion:240 Resp: 111458
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 23.9 19.8 29.8



#79
Terphenyl-d14
Concen: 81.957 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Tgt Ion:244 Resp: 661126
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.1 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142972.D
Acq: 02 Jul 2025 15:47

Instrument :
BNA_F
ClientSampleId :
EP-2

Tgt Ion:264 Resp: 108899
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.1 16.6 25.0

