

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143850.D
 Acq On : 30 Sep 2025 23:30
 Operator : RC/JU
 Sample : Q3245-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

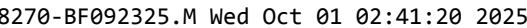
Instrument :
 BNA_F
 ClientSampleId :
 12-1

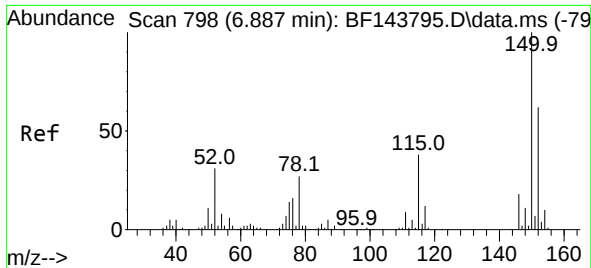
Quant Time: Oct 01 02:41:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114185	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	412829	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	193650	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	292209	20.000	ng	0.00
76) Chrysene-d12	14.051	240	439372	20.000	ng	-0.01
86) Perylene-d12	15.533	264	649326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	595170	84.685	ng	0.00
7) Phenol-d6	6.498	99	693639	85.418	ng	-0.01
23) Nitrobenzene-d5	7.439	82	411734	61.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	277006	96.609	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	755529	60.883	ng	0.00
79) Terphenyl-d14	12.998	244	1031450	47.743	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	57858	11.080	ng	# 69
25) Isophorone	7.439	82	406415	30.924	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	25174	12.981	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	25174	11.134	ng	# 19
63) Azobenzene	10.633	77	41062	3.526	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	197	4.371	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	12796	2.570	ng	# 1

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

Quant Time: Oct 01 02:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

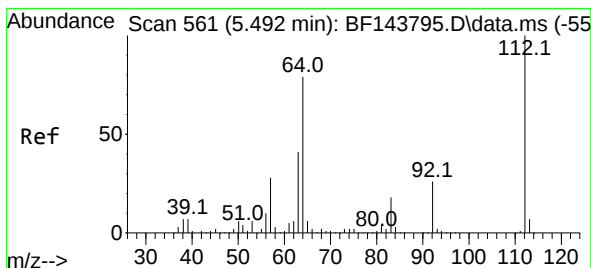
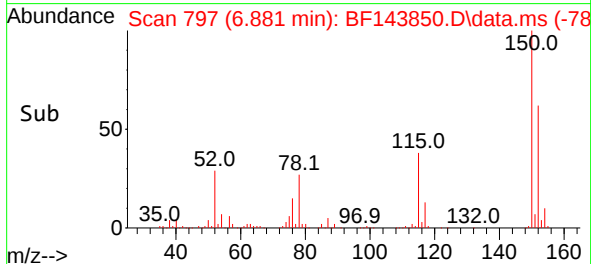
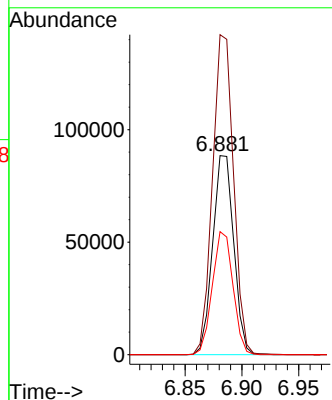
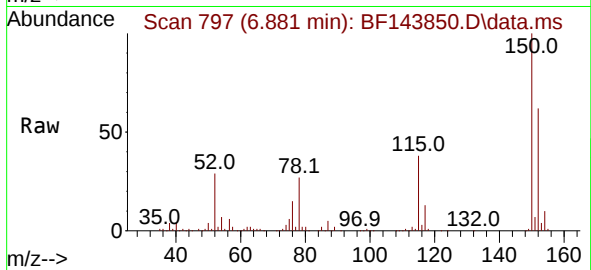




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

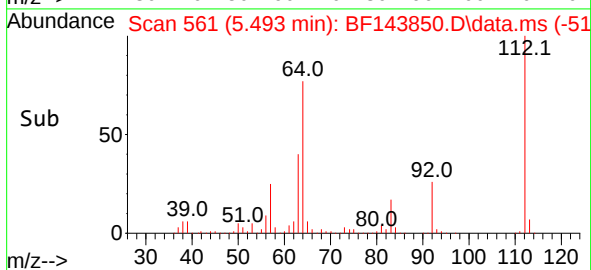
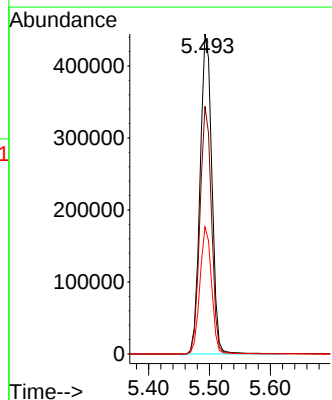
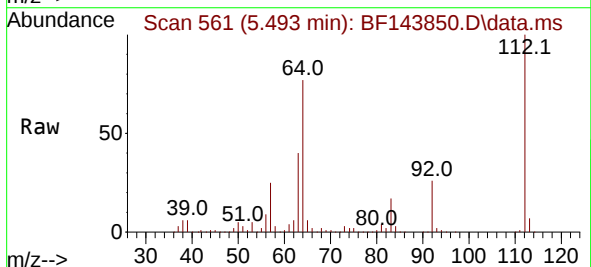
Instrument :
BNA_F
ClientSampleId :
12-1

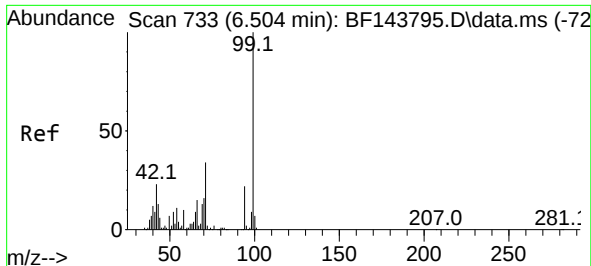
Tgt Ion:152 Resp: 114185
Ion Ratio Lower Upper
152 100
150 160.8 129.6 194.4
115 61.8 49.0 73.4



#5
2-Fluorophenol
Concen: 84.685 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion:112 Resp: 595170
Ion Ratio Lower Upper
112 100
64 77.4 63.0 94.4
63 39.7 32.6 49.0

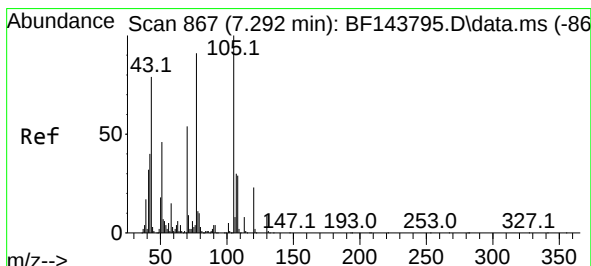
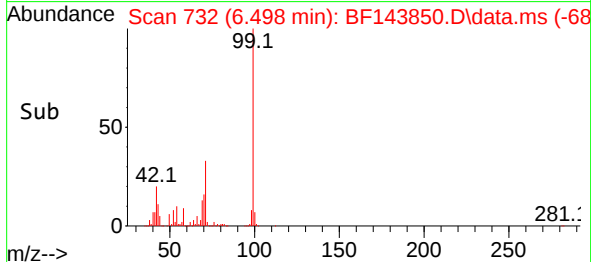
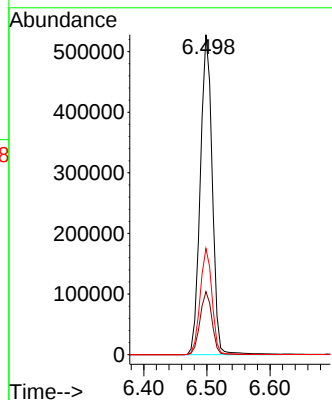
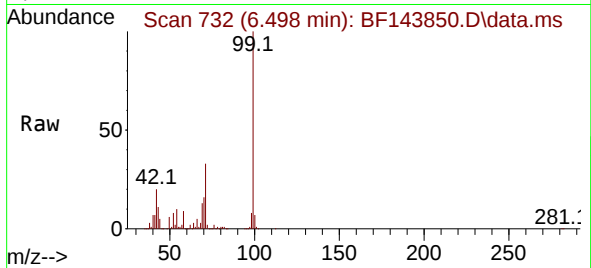




#7
Phenol-d6
Concen: 85.418 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

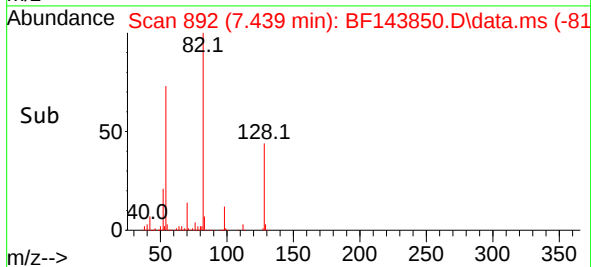
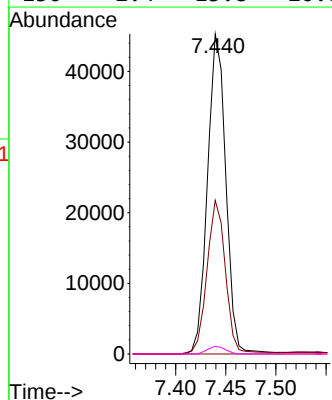
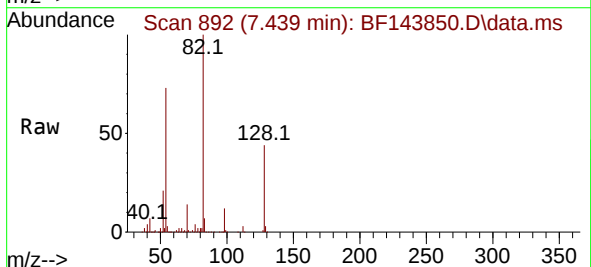
Instrument :
BNA_F
ClientSampleId :
12-1

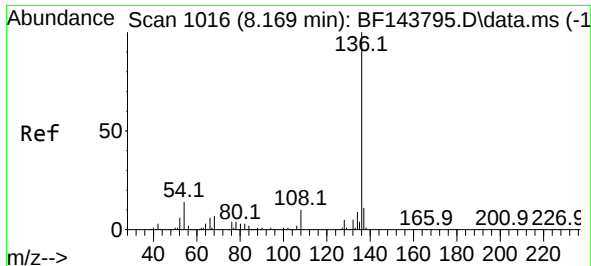
Tgt Ion: 99 Resp: 693639
Ion Ratio Lower Upper
99 100
42 19.7 18.6 28.0
71 33.2 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.080 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion: 70 Resp: 57858
Ion Ratio Lower Upper
70 100
42 48.0 59.4 89.0#
101 0.0 7.1 10.7#
130 2.4 13.8 20.8#

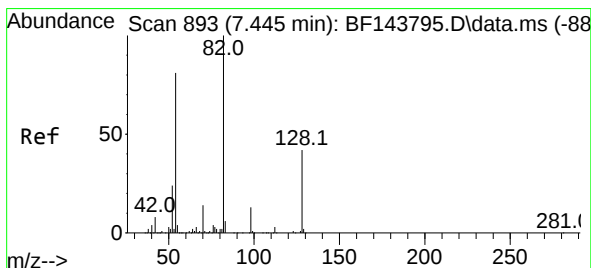
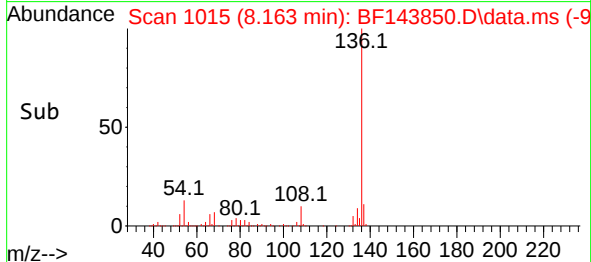
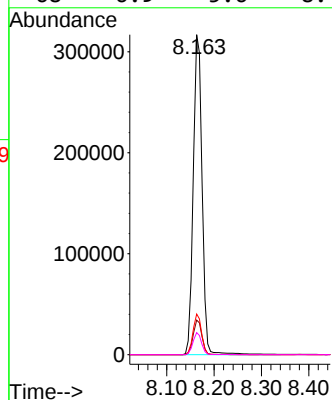
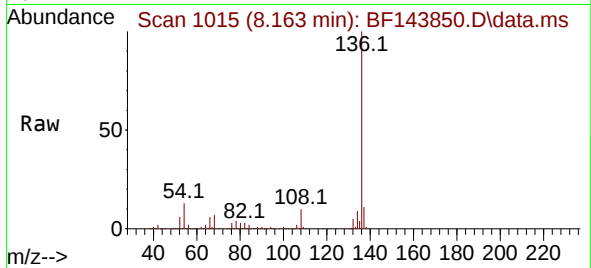




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

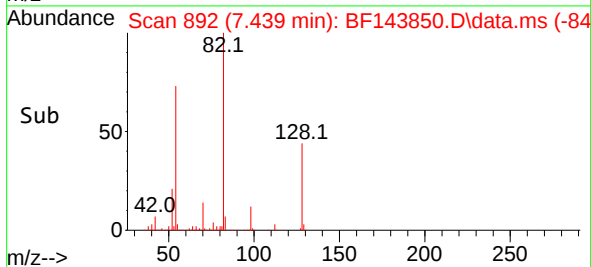
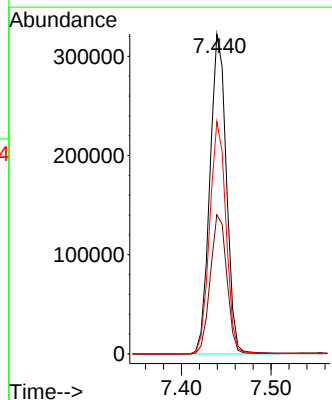
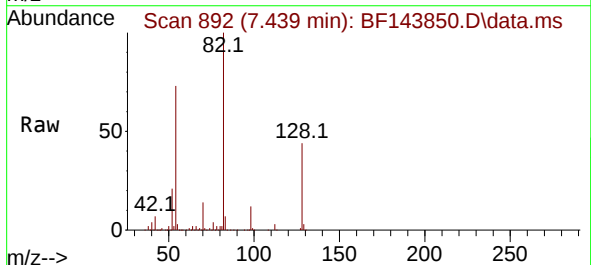
Instrument :
BNA_F
ClientSampleId :
12-1

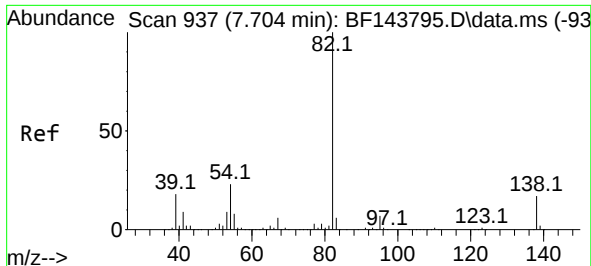
Tgt Ion:136	Resp: 412829		
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	12.7	11.2	16.8
68	6.9	5.6	8.4



#23
Nitrobenzene-d5
Concen: 61.049 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion: 82	Resp: 411734
Ion Ratio	Lower Upper
82 100	
128 43.5	33.3 49.9
54 72.6	64.2 96.4

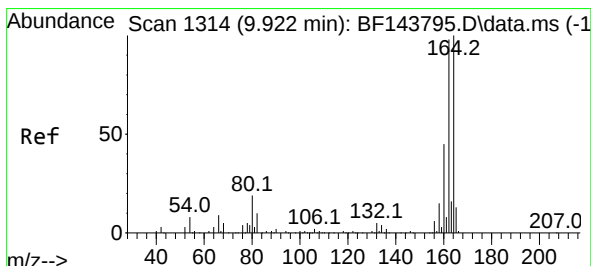
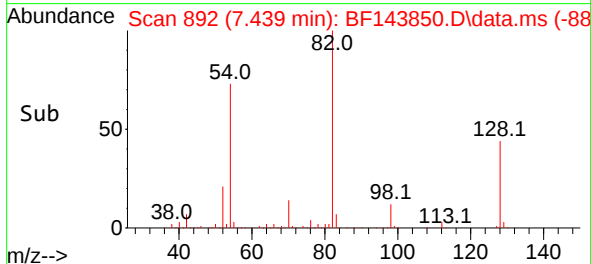
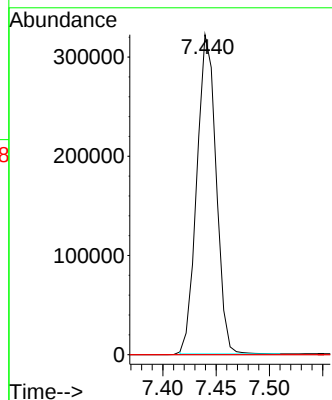
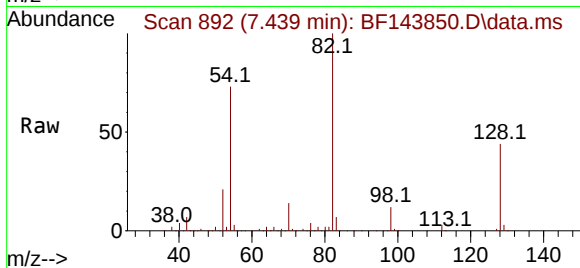




#25
Isophorone
Concen: 30.924 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

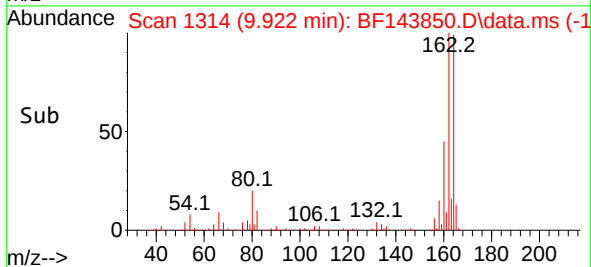
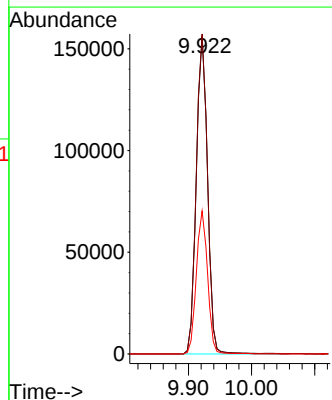
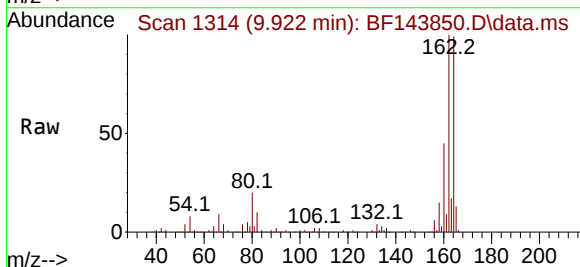
Instrument :
BNA_F
ClientSampleId :
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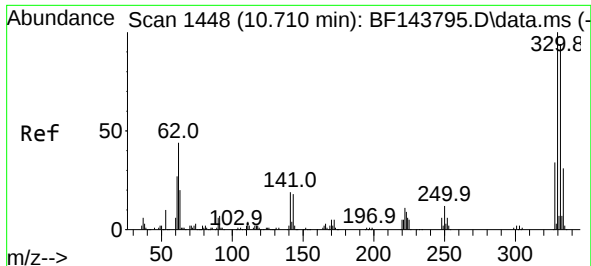
Tgt Ion: 82 Resp: 406415
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion:164 Resp: 193650
Ion Ratio Lower Upper
164 100
162 100.7 78.8 118.2
160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 96.609 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143850.D

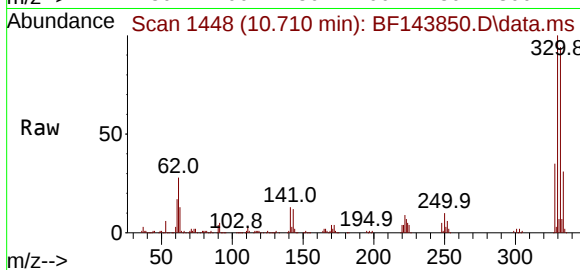
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Instrument :

BNA_F

ClientSampleId :

12-1



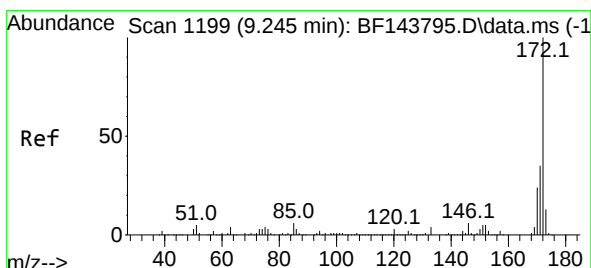
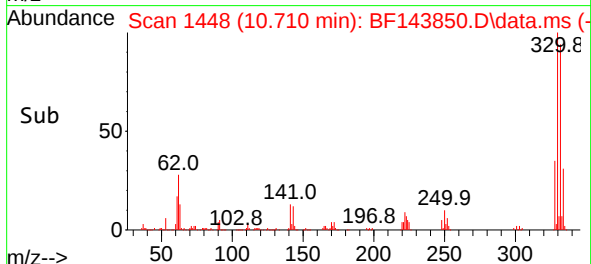
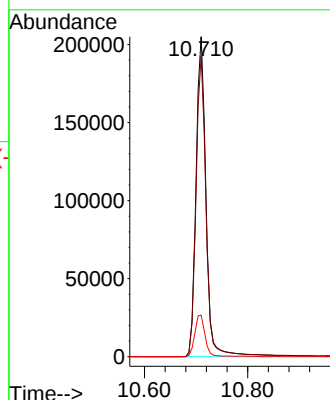
Tgt Ion:330 Resp: 277006

Ion Ratio Lower Upper

330 100

332 94.8 74.7 112.1

141 13.6 14.3 21.5#



#45

2-Fluorobiphenyl

Concen: 60.883 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143850.D

Acq: 30 Sep 2025 23:30

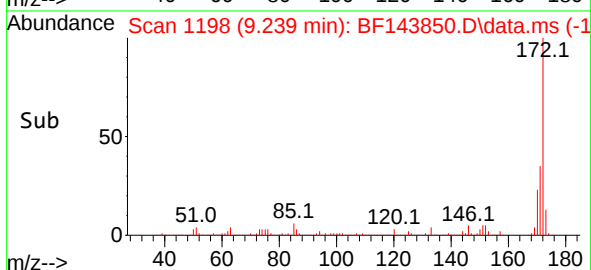
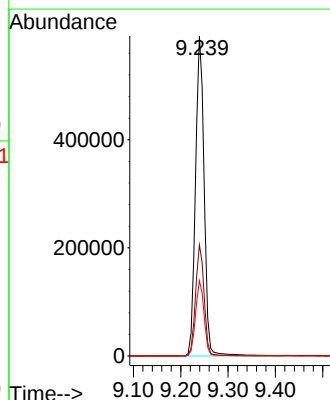
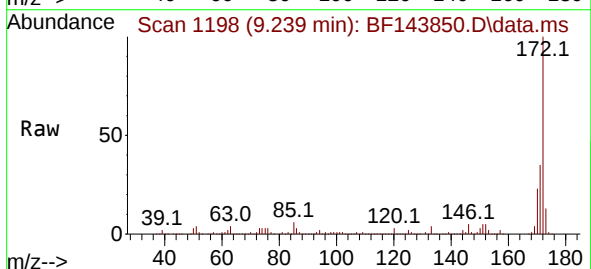
Tgt Ion:172 Resp: 755529

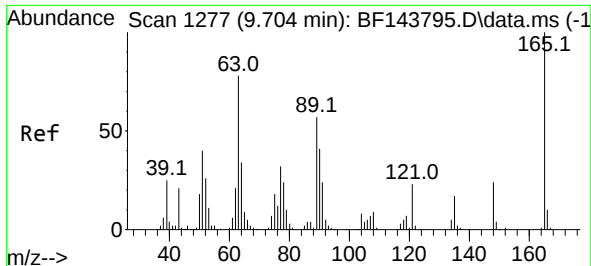
Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.5 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.981 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143850.D

Acq: 30 Sep 2025 23:30

Instrument :

BNA_F

ClientSampleId :

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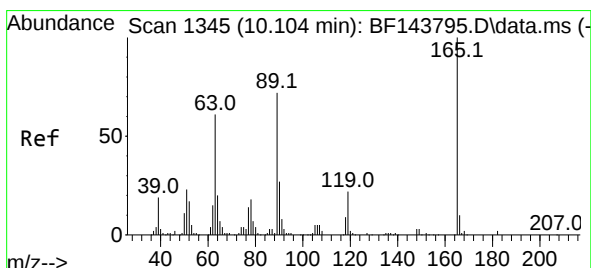
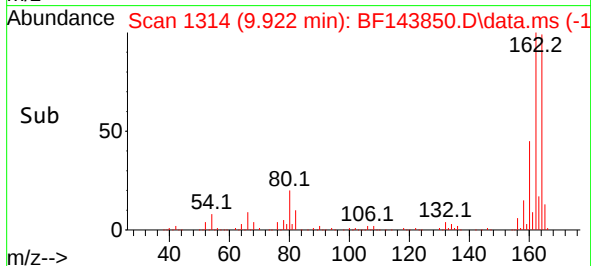
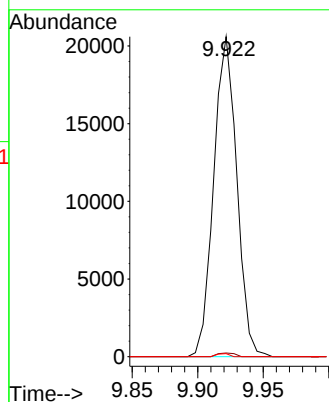
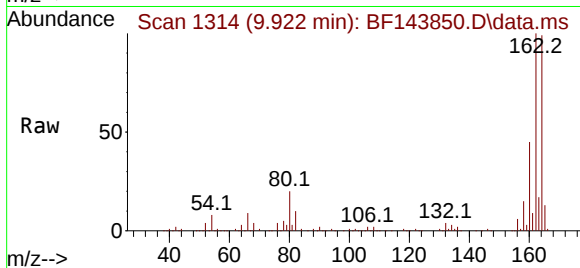
Tgt Ion:165 Resp: 25174

Ion Ratio Lower Upper

165 100

63 1.2 62.6 94.0#

89 1.0 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 11.134 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143850.D

Acq: 30 Sep 2025 23:30

Tgt Ion:165 Resp: 25174

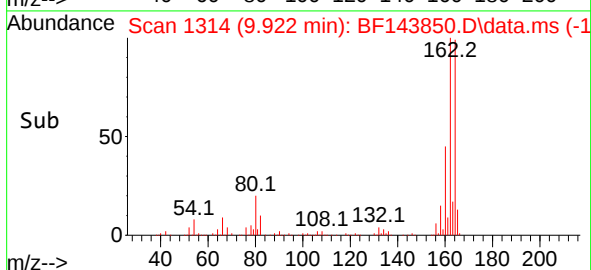
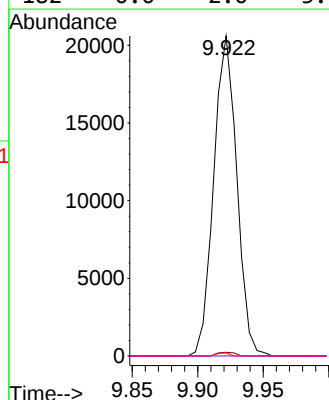
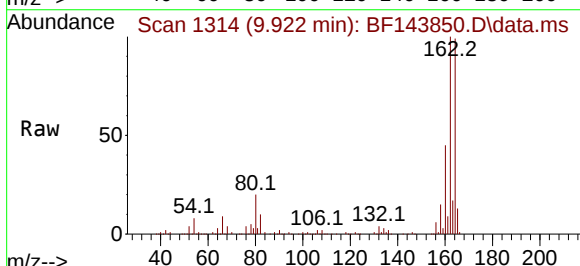
Ion Ratio Lower Upper

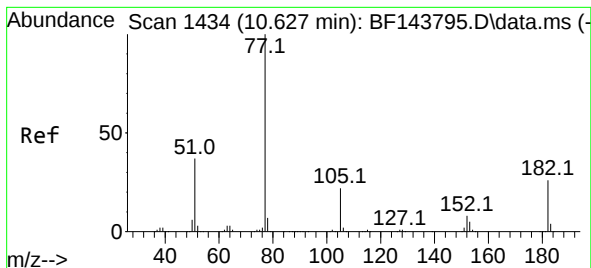
165 100

63 1.2 48.9 73.3#

89 1.0 57.5 86.3#

182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.526 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143850.D

Acq: 30 Sep 2025 23:30

Instrument :

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ClientSampleId :

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Tgt Ion: 77 Resp: 41062

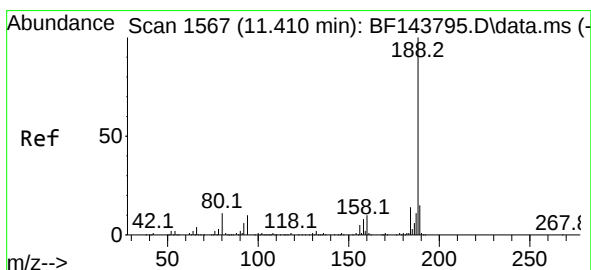
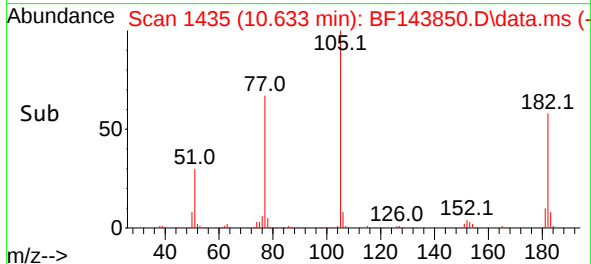
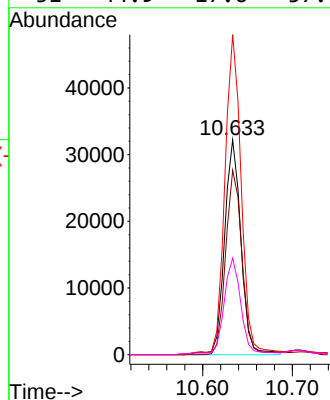
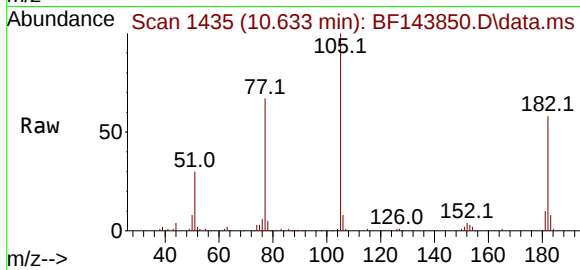
Ion Ratio Lower Upper

77 100

182 85.8 5.9 45.9#

105 148.9 2.3 42.3#

51 44.9 17.6 57.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143850.D

Acq: 30 Sep 2025 23:30

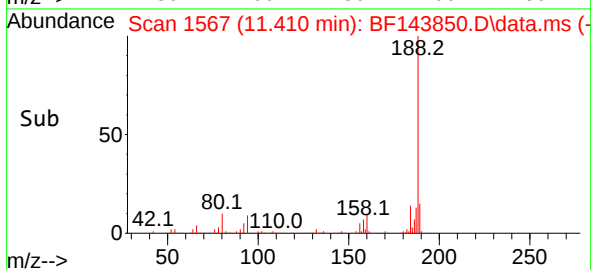
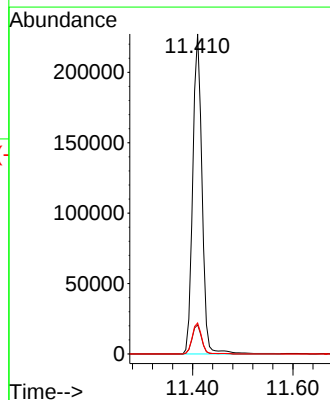
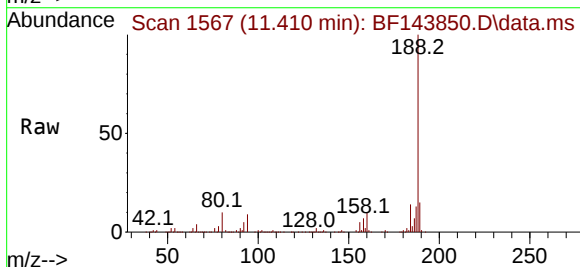
Tgt Ion: 188 Resp: 292209

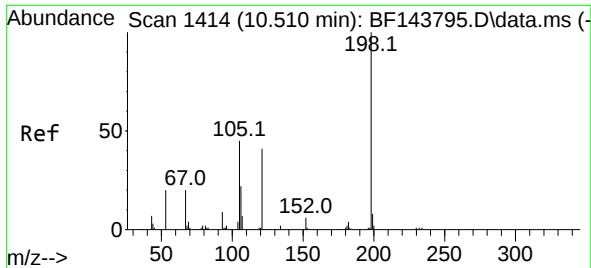
Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

80 9.7 8.6 12.8

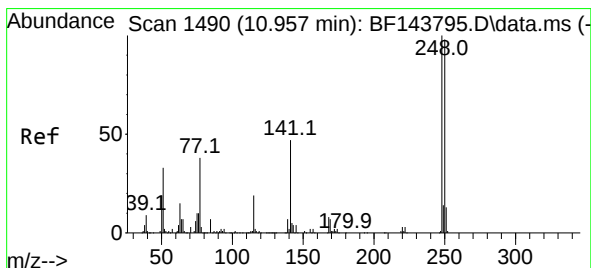
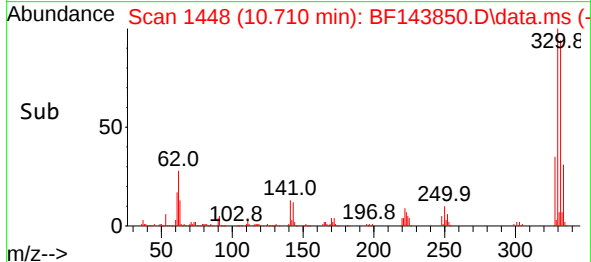
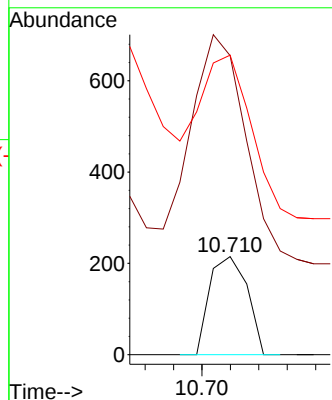
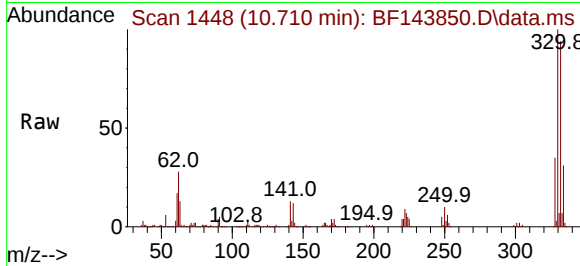




#65
4,6-Dinitro-2-methylphenol
Concen: 4.371 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

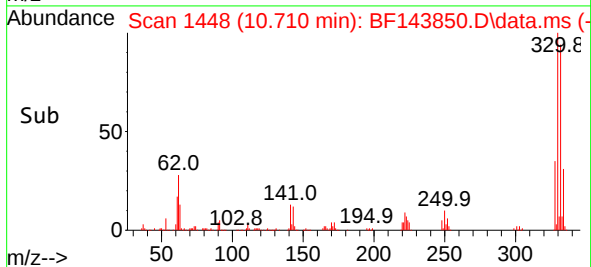
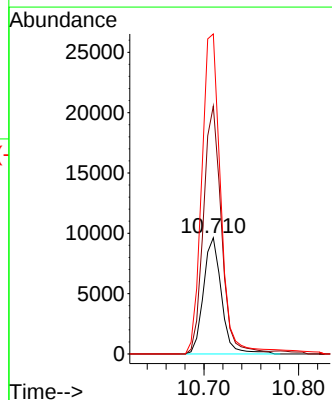
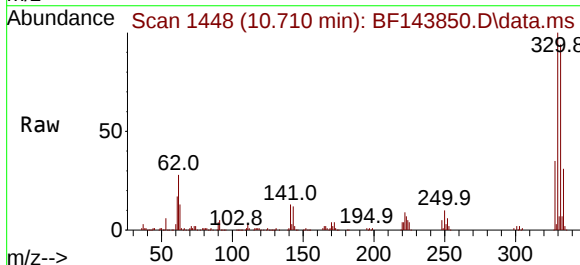
Instrument :
BNA_F
ClientSampleId :
12-1

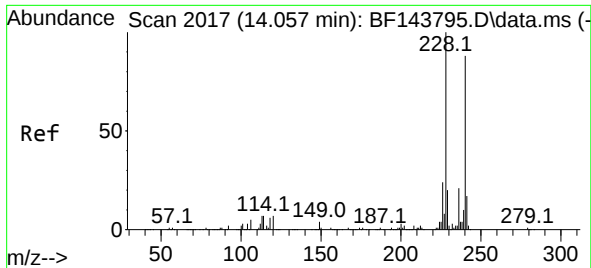
Tgt Ion:198 Resp: 197
Ion Ratio Lower Upper
198 100
51 304.7 52.0 92.0#
105 305.1 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.570 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion:248 Resp: 12796
Ion Ratio Lower Upper
248 100
250 213.5 78.7 118.1#
141 275.6 37.9 56.9#

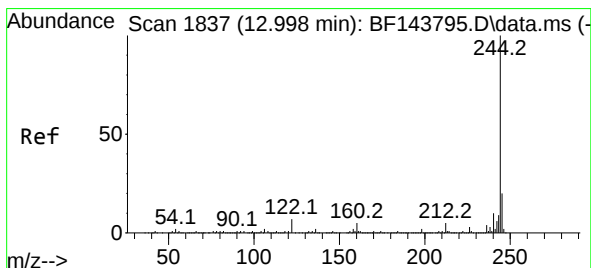
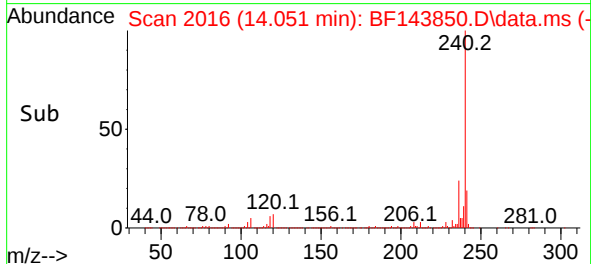
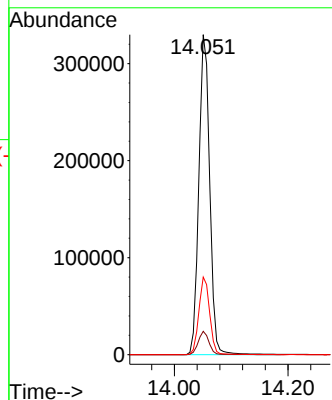
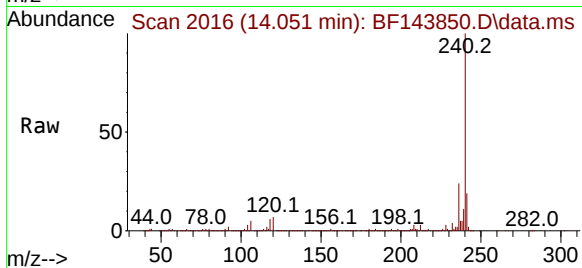




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

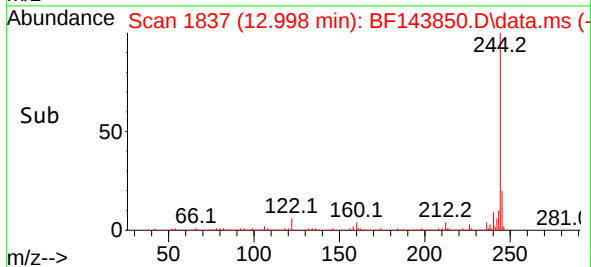
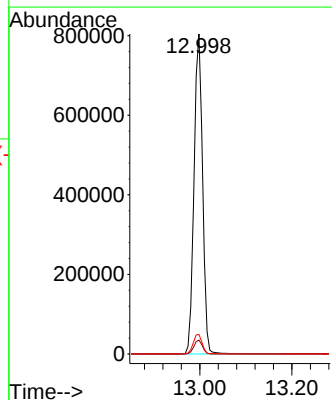
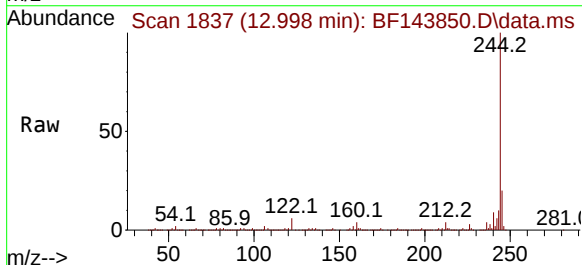
Instrument :
BNA_F
ClientSampleId :
12-1

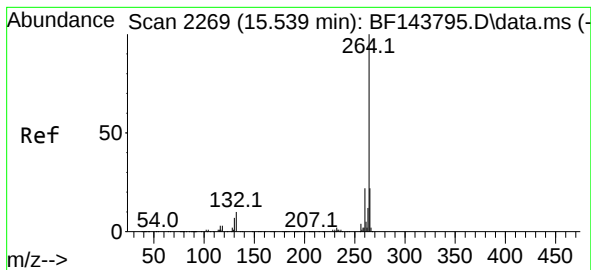
Tgt Ion:240 Resp: 439372
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.4
236 24.3 19.4 29.2



#79
Terphenyl-d14
Concen: 47.743 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143850.D
Acq: 30 Sep 2025 23:30

Tgt Ion:244 Resp: 1031450
Ion Ratio Lower Upper
244 100
212 4.3 3.9 5.9
122 6.1 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143850.D

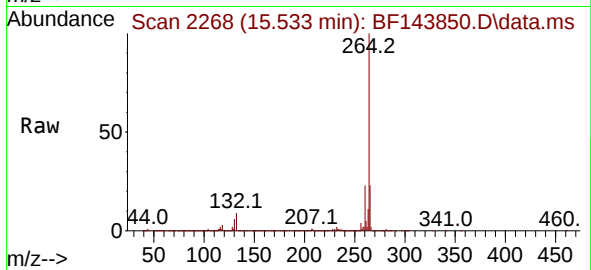
Acq: 30 Sep 2025 23:30

Instrument :

BNA_F

ClientSampleId :

12-1



Tgt Ion:264 Resp: 649326

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 22.7 17.7 26.5

