

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143847.D
 Acq On : 30 Sep 2025 22:01
 Operator : RC/JU
 Sample : Q3245-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12-8

Quant Time: Oct 01 02:38:15 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)

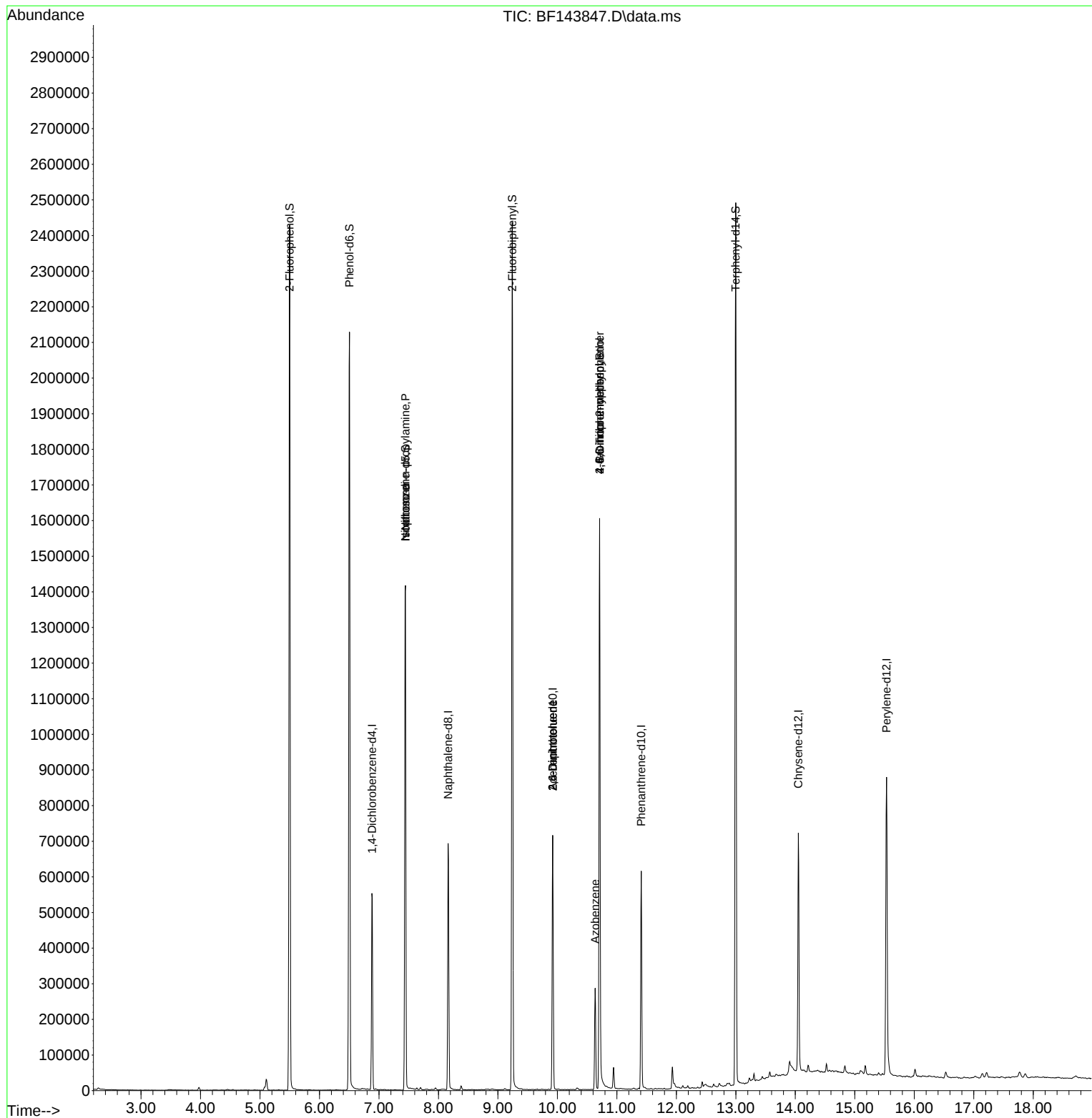
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	116857	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	434306	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	210168	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	326184	20.000	ng	0.00
76) Chrysene-d12	14.051	240	382113	20.000	ng	-0.01
86) Perylene-d12	15.533	264	610653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	857395	119.206	ng	0.00
7) Phenol-d6	6.504	99	1010415	121.583	ng	0.00
23) Nitrobenzene-d5	7.445	82	595812	83.974	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	412990	132.714	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1127155	83.691	ng	0.00
79) Terphenyl-d14	12.998	244	1417863	75.464	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	84019	15.722	ng	# 68
25) Isophorone	7.445	82	588980	42.599	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	26611	12.644	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	26611	10.920	ng	# 19
63) Azobenzene	10.633	77	72573	5.743	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	396	4.538	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	21140	3.803	ng	# 1

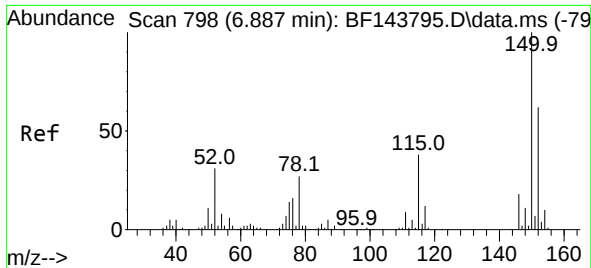
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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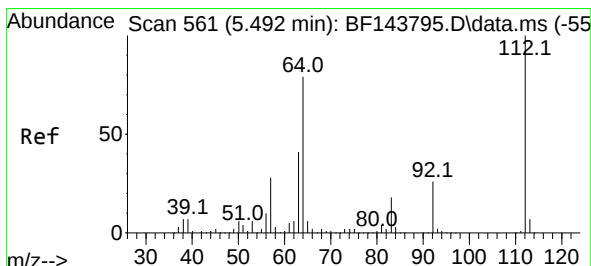
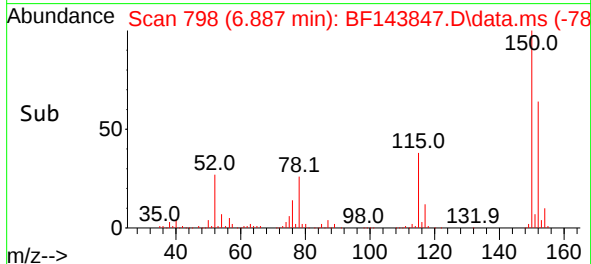
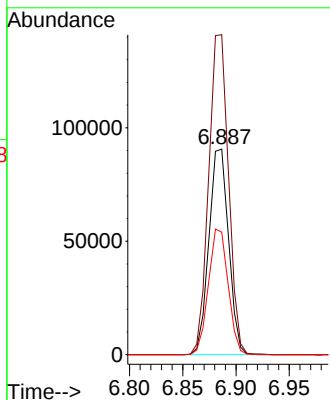
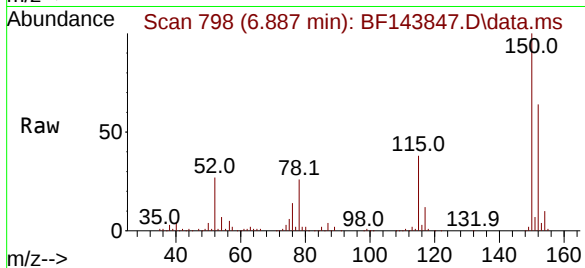




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143847.D
 Acq: 30 Sep 2025 22:01

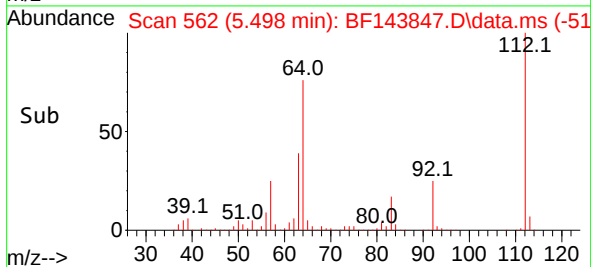
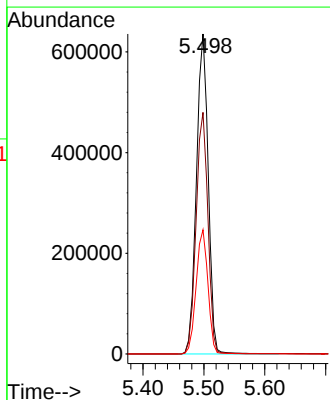
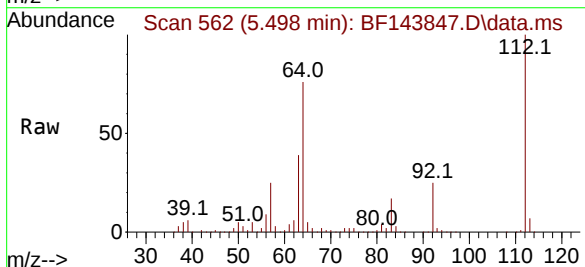
Instrument :
 BNA_F
 ClientSampleId :
 12-8

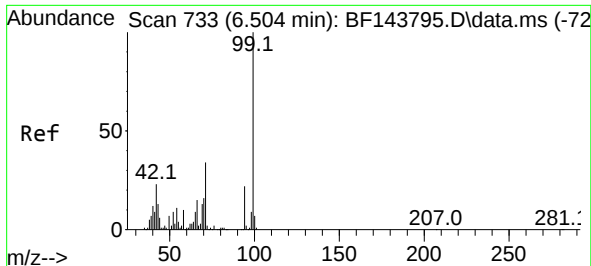
Tgt Ion:152 Resp: 116857
 Ion Ratio Lower Upper
 152 100
 150 155.7 129.6 194.4
 115 59.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 119.206 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF143847.D
 Acq: 30 Sep 2025 22:01

Tgt Ion:112 Resp: 857395
 Ion Ratio Lower Upper
 112 100
 64 75.5 63.0 94.4
 63 38.8 32.6 49.0

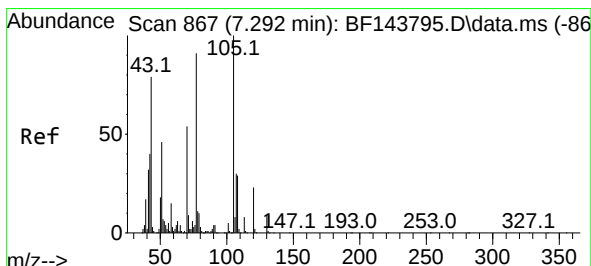
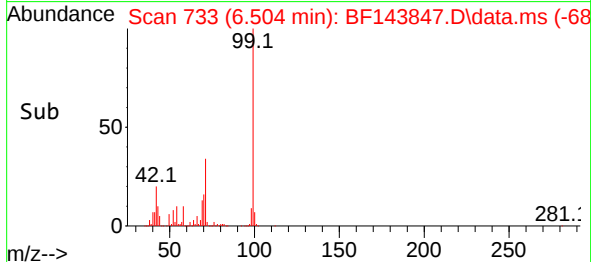
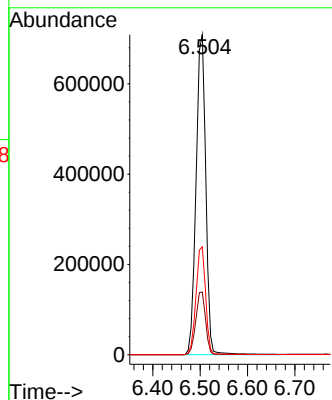
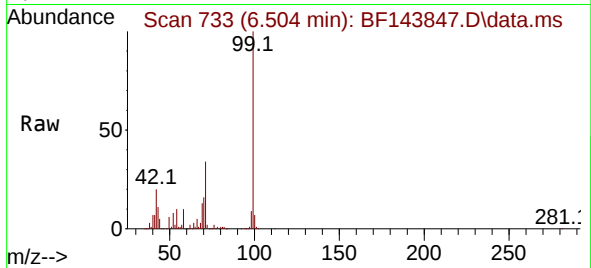




#7
Phenol-d6
Concen: 121.583 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

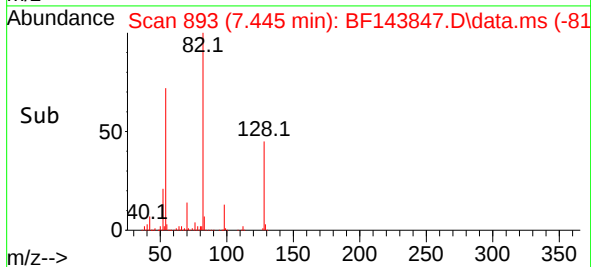
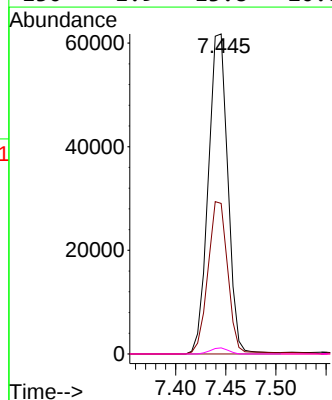
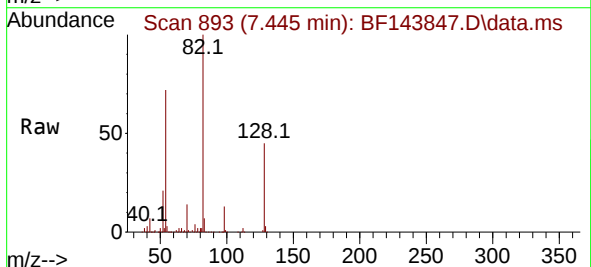
Instrument :
BNA_F
ClientSampleId :
12-8

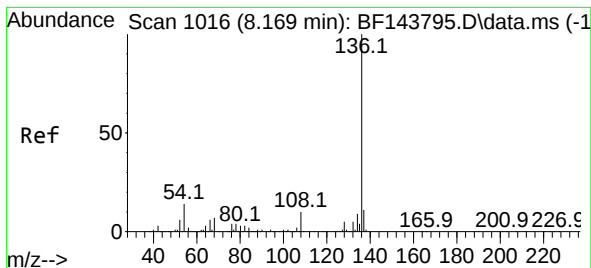
Tgt Ion: 99 Resp: 1010415
Ion Ratio Lower Upper
99 100
42 19.6 18.6 28.0
71 33.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.722 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

Tgt Ion: 70 Resp: 84019
Ion Ratio Lower Upper
70 100
42 47.0 59.4 89.0#
101 0.0 7.1 10.7#
130 1.9 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: BF143847.D

Acq: 30 Sep 2025 22:01

Instrument :

BNA_F

ClientSampleId :

12-8

Tgt Ion:136 Resp: 434306

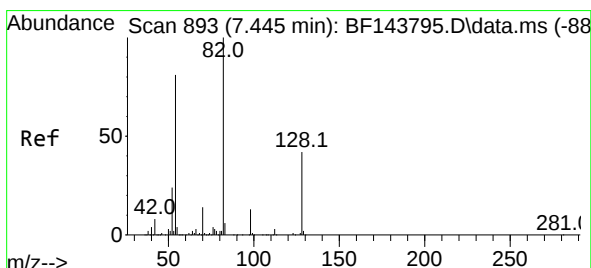
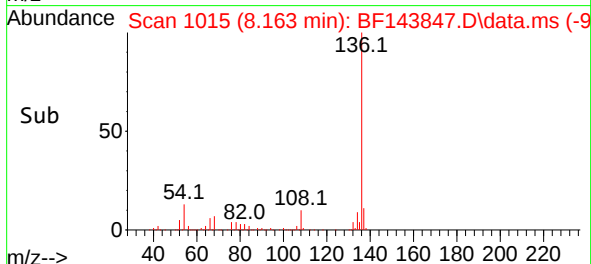
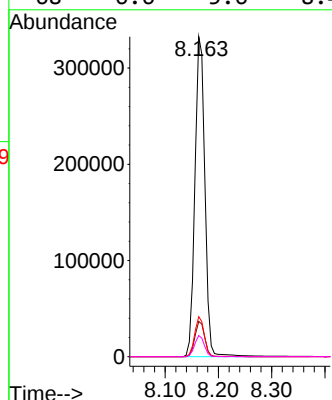
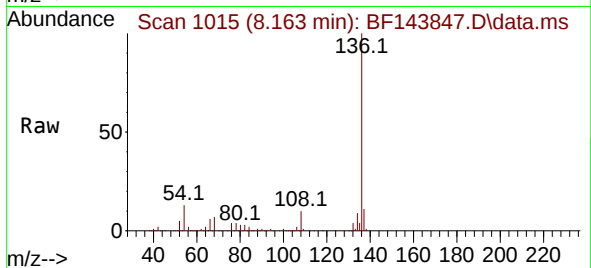
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 12.5 11.2 16.8

68 6.6 5.6 8.4



#23

Nitrobenzene-d5

Concen: 83.974 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143847.D

Acq: 30 Sep 2025 22:01

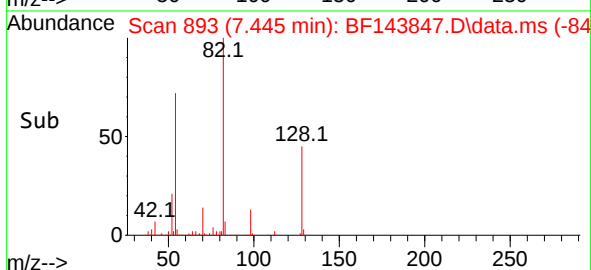
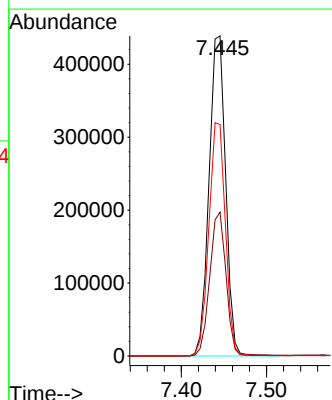
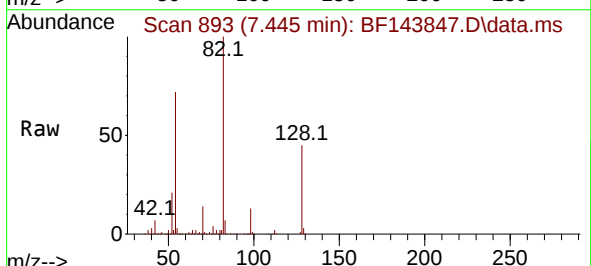
Tgt Ion: 82 Resp: 595812

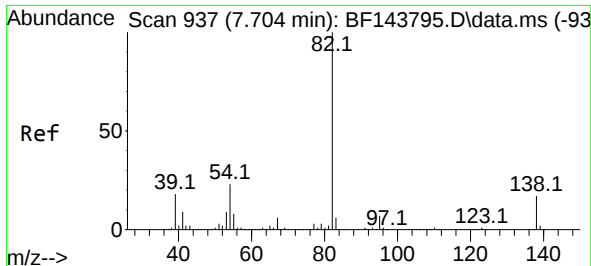
Ion Ratio Lower Upper

82 100

128 45.0 33.3 49.9

54 72.3 64.2 96.4

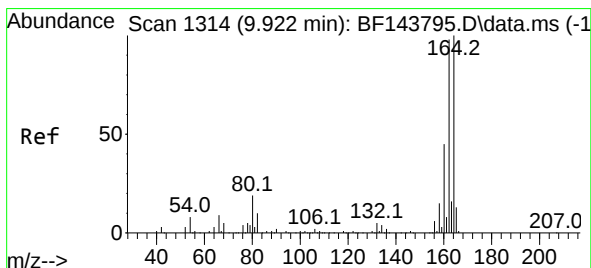
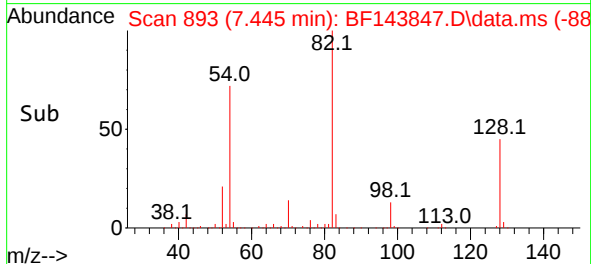
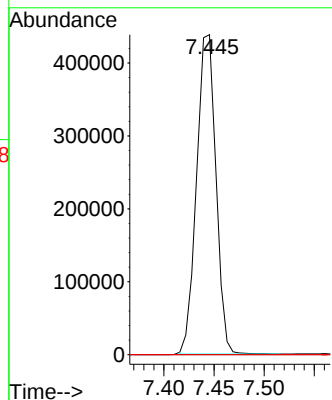
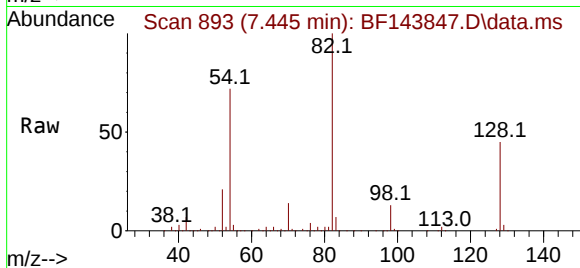




#25
Isophorone
Concen: 42.599 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.265 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

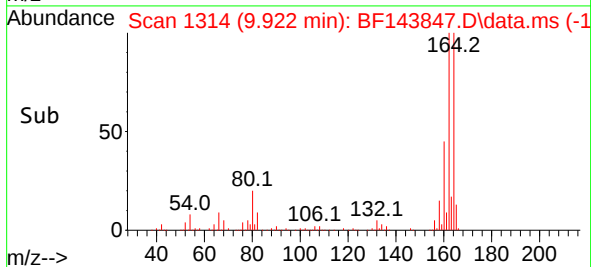
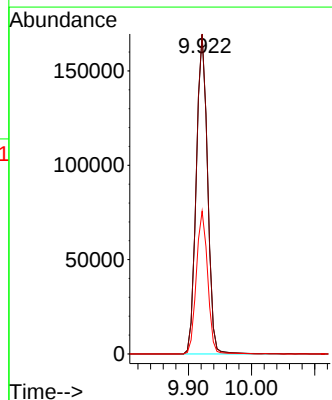
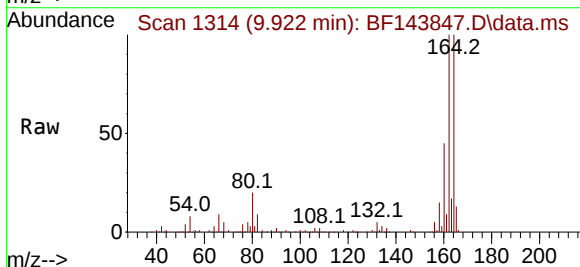
Instrument :
BNA_F
ClientSampleId :
12-8

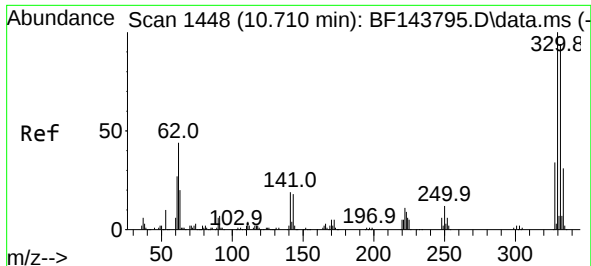
Tgt Ion: 82 Resp: 588980
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

Tgt Ion:164 Resp: 210168
Ion Ratio Lower Upper
164 100
162 100.2 78.8 118.2
160 44.7 35.8 53.6

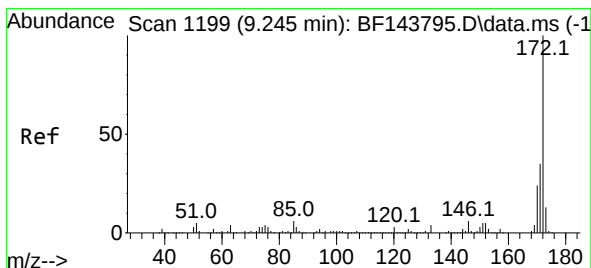
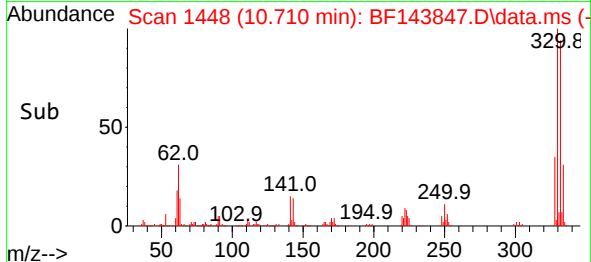
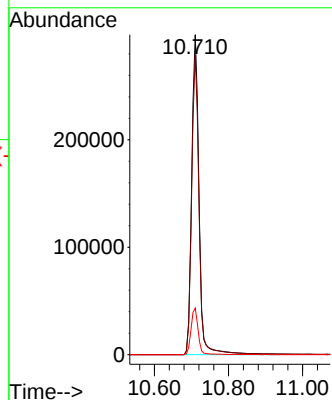
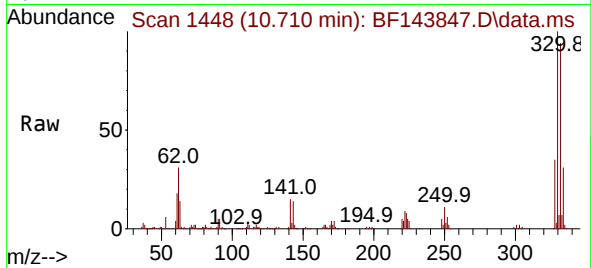




#42
2,4,6-Tribromophenol
Concen: 132.714 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

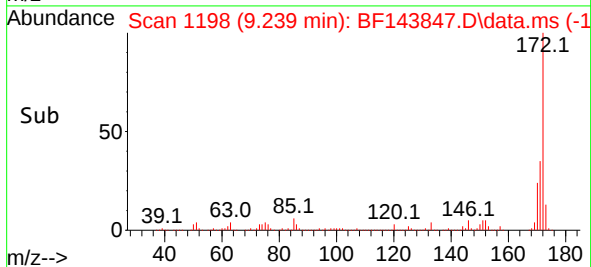
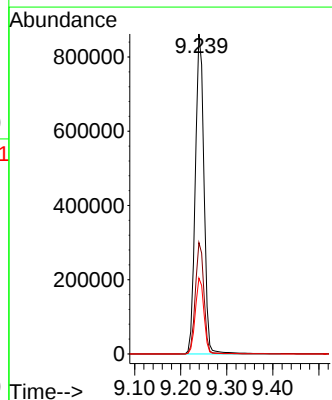
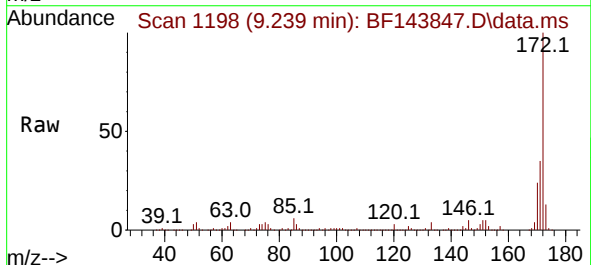
Instrument :
BNA_F
ClientSampleId :
12-8

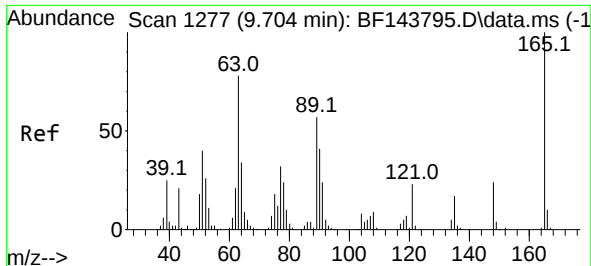
Tgt Ion:330 Resp: 412990
Ion Ratio Lower Upper
330 100
332 93.3 74.7 112.1
141 14.0 14.3 21.5#



#45
2-Fluorobiphenyl
Concen: 83.691 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

Tgt Ion:172 Resp: 1127155
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.7 19.1 28.7

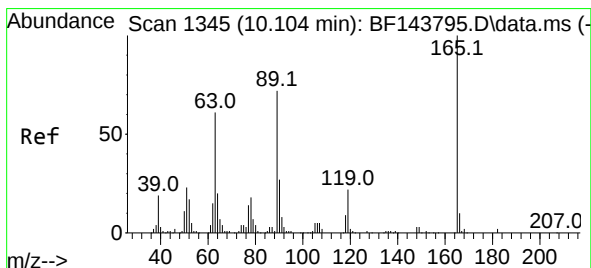
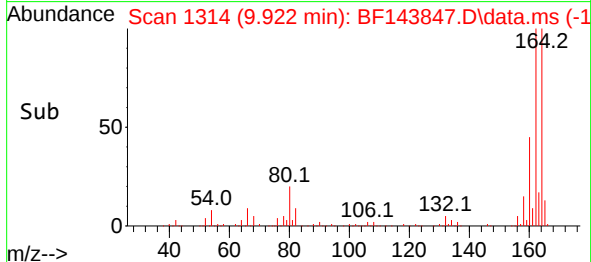
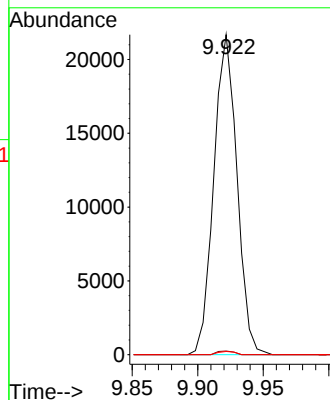
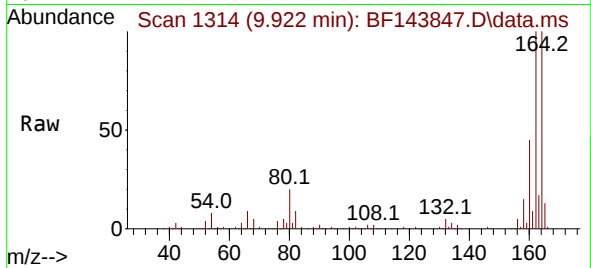




#51
2,6-Dinitrotoluene
Concen: 12.644 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

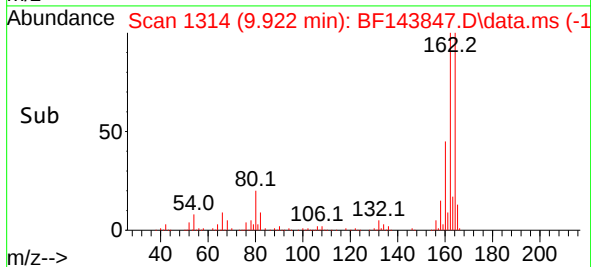
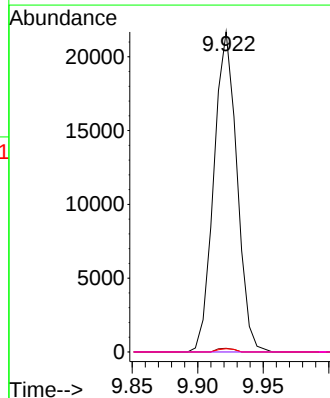
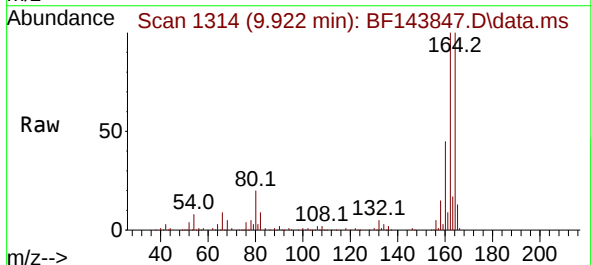
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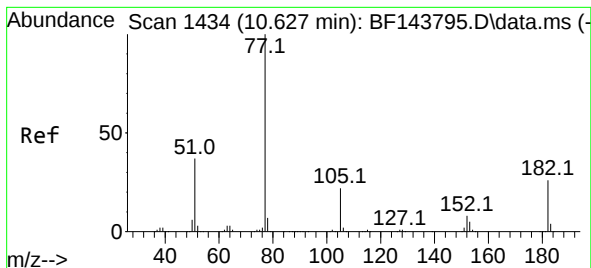
Tgt Ion:165 Resp: 26611
Ion Ratio Lower Upper
165 100
63 1.1 62.6 94.0#
89 1.0 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 10.920 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

Tgt Ion:165 Resp: 26611
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.0 57.5 86.3#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 5.743 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143847.D

Acq: 30 Sep 2025 22:01

Instrument :

BNA_F

ClientSampleId :

12-8

Tgt Ion: 77 Resp: 72573

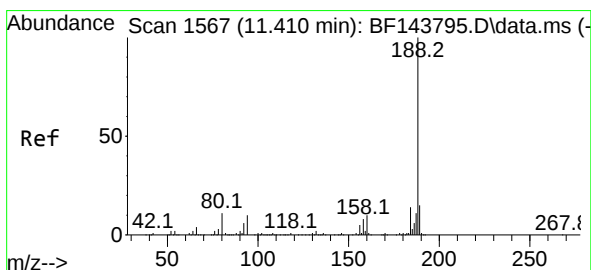
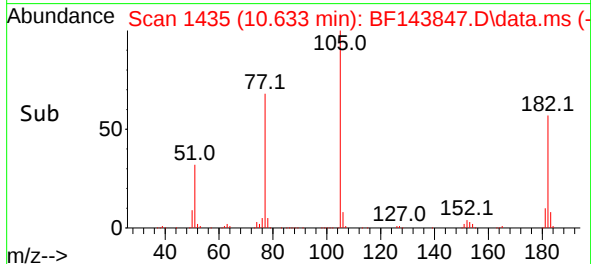
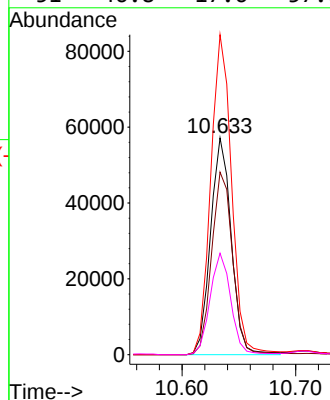
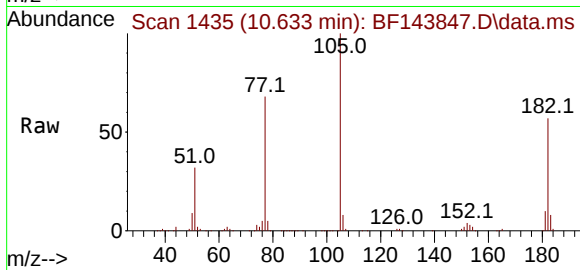
Ion Ratio Lower Upper

77 100

182 84.3 5.9 45.9#

105 147.6 2.3 42.3#

51 46.8 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: BF143847.D

Acq: 30 Sep 2025 22:01

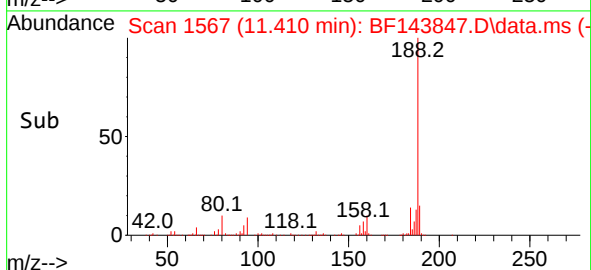
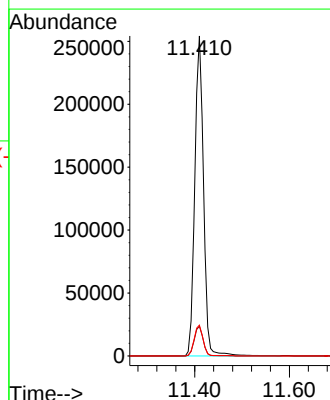
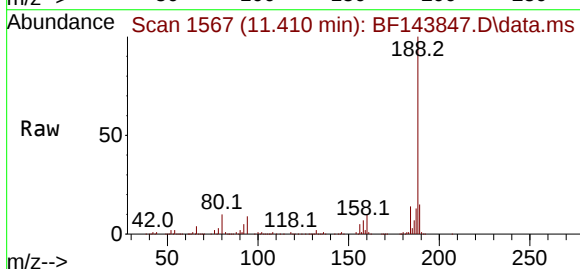
Tgt Ion: 188 Resp: 326184

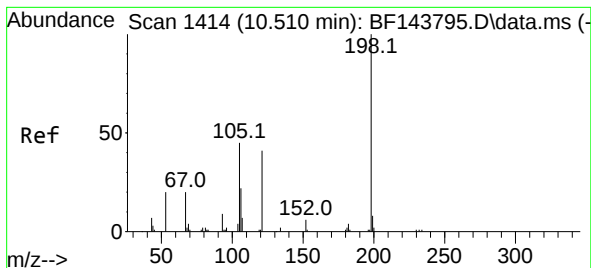
Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 9.7 8.6 12.8

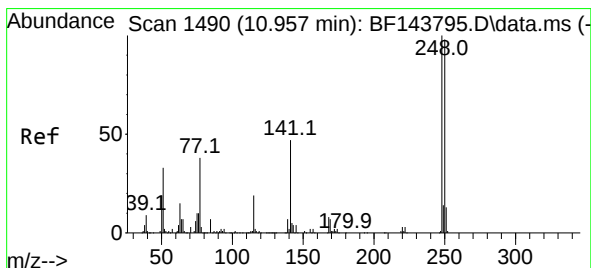
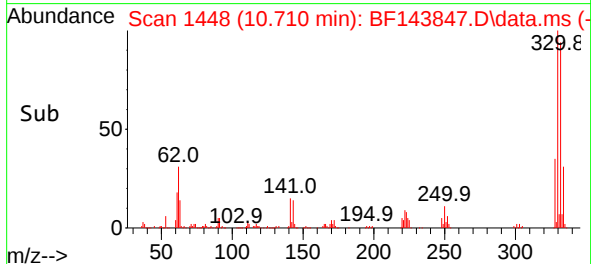
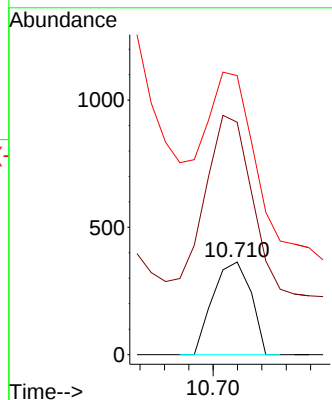
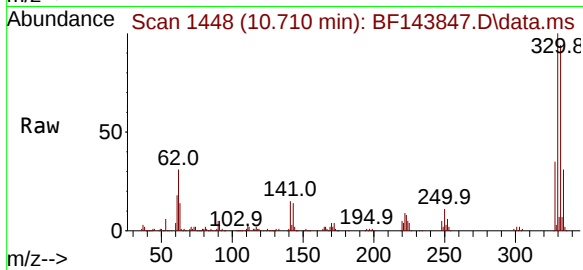




#65
4,6-Dinitro-2-methylphenol
Concen: 4.538 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

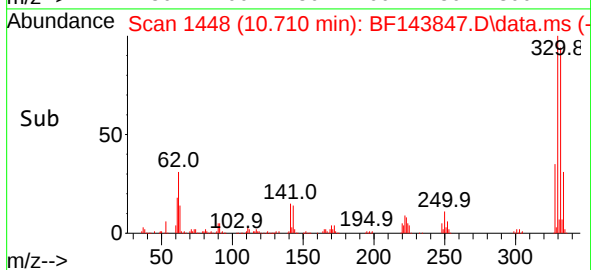
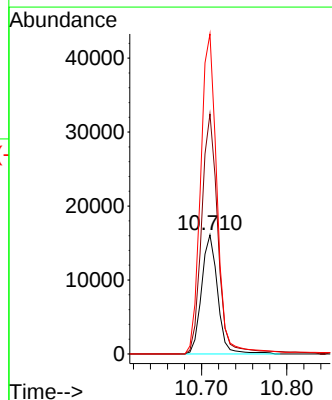
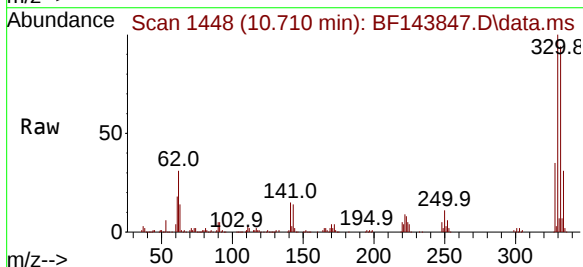
Instrument :
BNA_F
ClientSampleId :
12-8

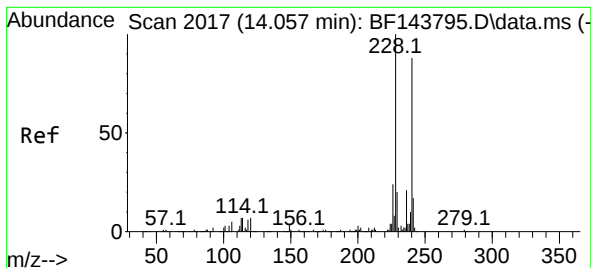
Tgt Ion:198 Resp: 396
Ion Ratio Lower Upper
198 100
51 250.8 52.0 92.0#
105 301.1 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 3.803 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143847.D
Acq: 30 Sep 2025 22:01

Tgt Ion:248 Resp: 21140
Ion Ratio Lower Upper
248 100
250 201.6 78.7 118.1#
141 268.7 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: BF143847.D

Acq: 30 Sep 2025 22:01

Instrument :

BNA_F

ClientSampleId :

12-8

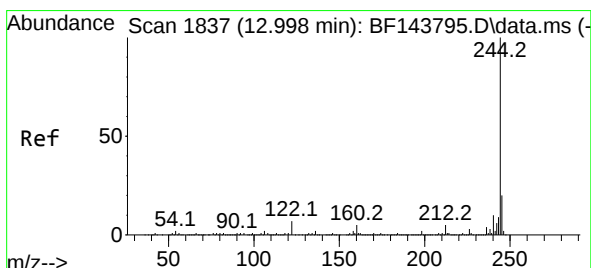
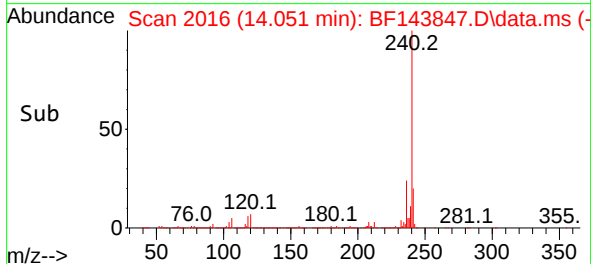
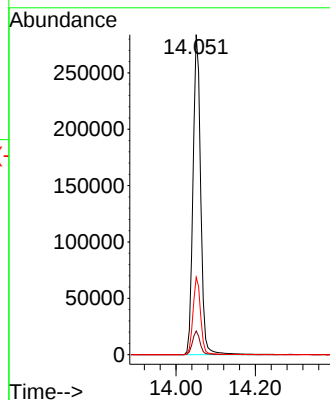
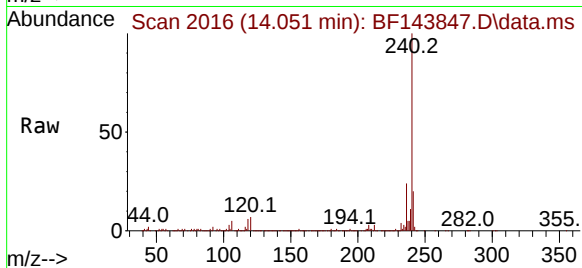
Tgt Ion:240 Resp: 382113

Ion Ratio Lower Upper

240 100

120 7.4 6.2 9.4

236 24.2 19.4 29.2



#79

Terphenyl-d14

Concen: 75.464 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143847.D

Acq: 30 Sep 2025 22:01

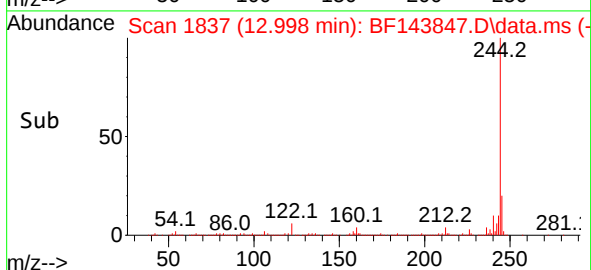
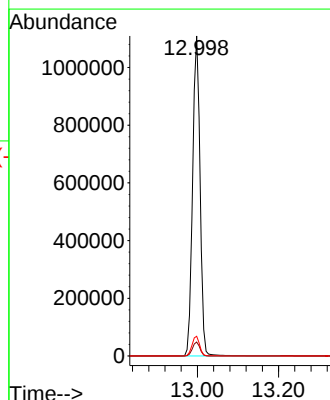
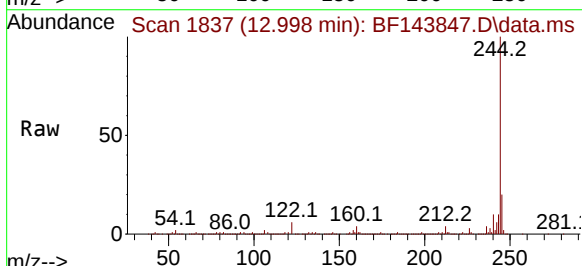
Tgt Ion:244 Resp: 1417863

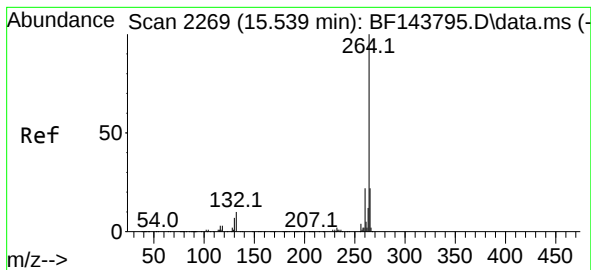
Ion Ratio Lower Upper

244 100

212 4.4 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: BF143847.D

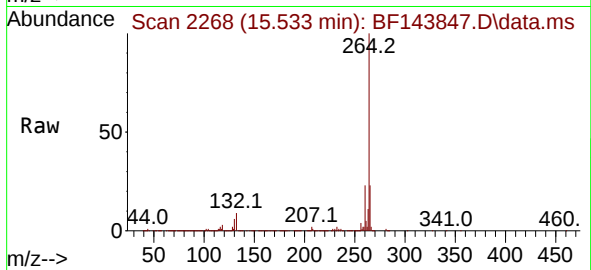
Acq: 30 Sep 2025 22:01

Instrument :

BNA_F

ClientSampleId :

12-8



Tgt Ion:264 Resp: 610653

Ion Ratio Lower Upper

264 100

260 22.8 17.9 26.9

265 22.5 17.7 26.5

