

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143846.D
 Acq On : 30 Sep 2025 21:32
 Operator : RC/JU
 Sample : Q3245-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 13-1

Quant Time: Oct 01 02:37:47 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)

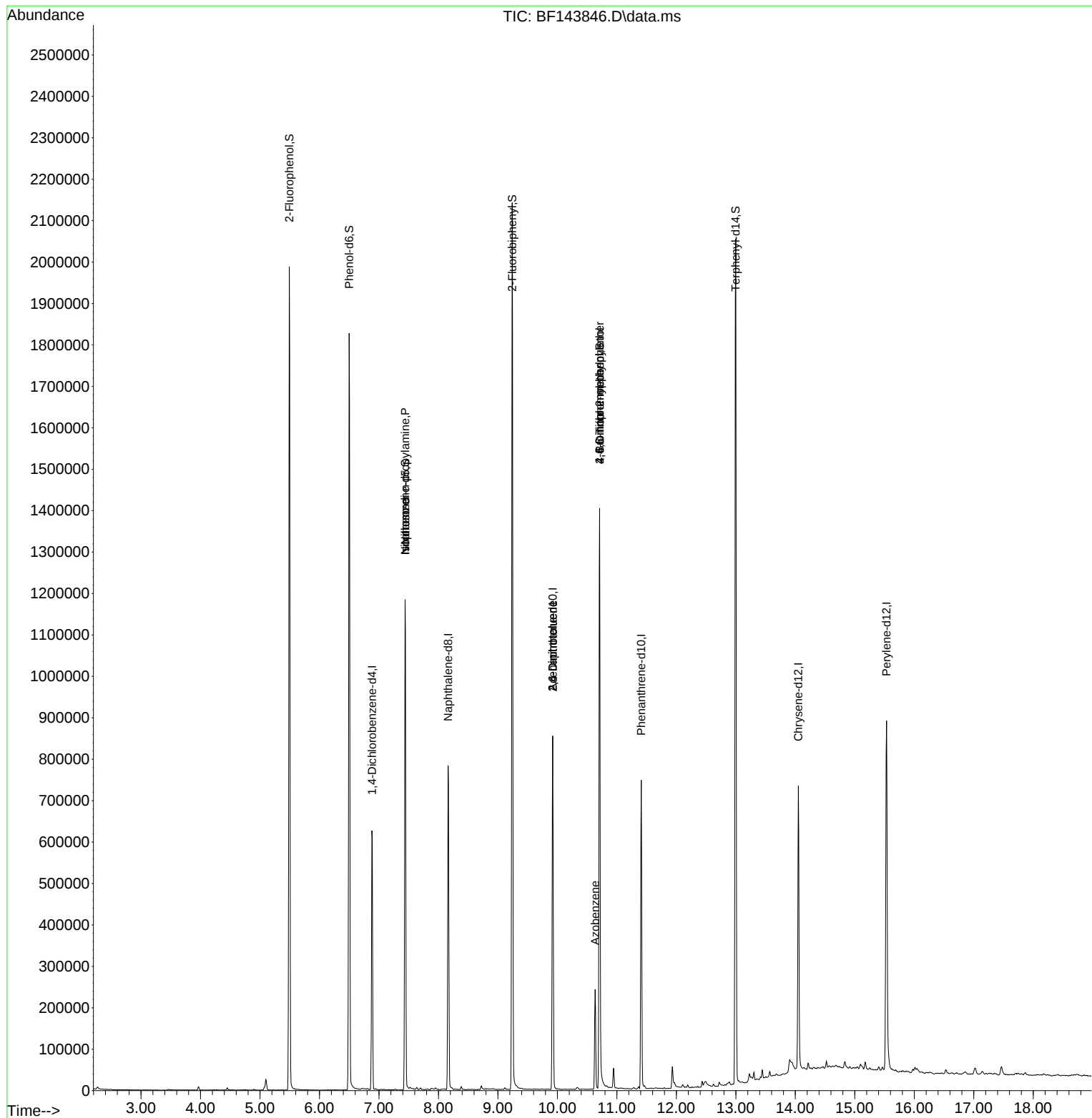
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	131354	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	490961	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	252839	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	390575	20.000	ng	0.00
76) Chrysene-d12	14.051	240	395487	20.000	ng	-0.01
86) Perylene-d12	15.533	264	621975	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	693861	85.823	ng	0.00
7) Phenol-d6	6.498	99	838444	89.755	ng	-0.01
23) Nitrobenzene-d5	7.440	82	485197	60.493	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	360985	96.425	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	984502	60.762	ng	0.00
79) Terphenyl-d14	12.998	244	1190263	61.208	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	68293	11.369	ng	# 68
25) Isophorone	7.440	82	479110	30.654	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	32102	12.679	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	32103	10.942	ng	# 19
63) Azobenzene	10.633	77	60612	3.987	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	344	4.435	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	18147	2.726	ng	# 1

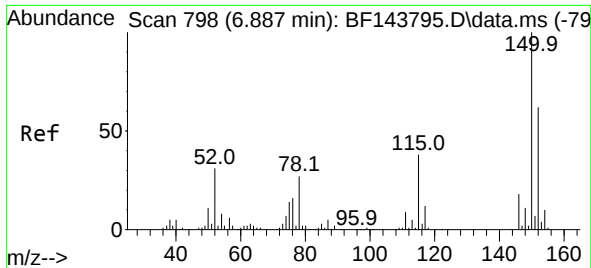
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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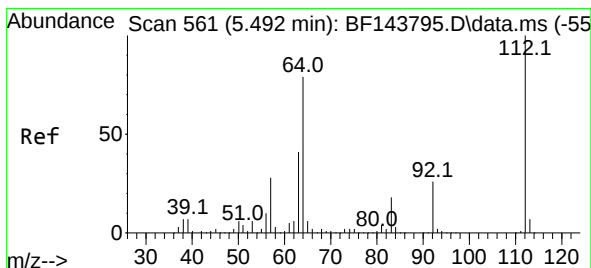
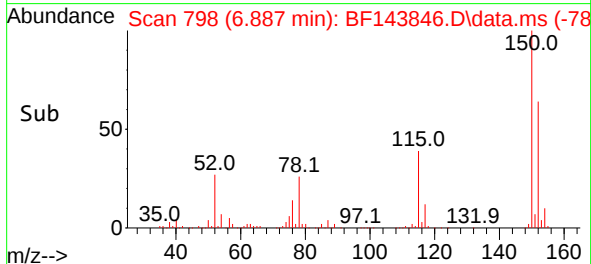
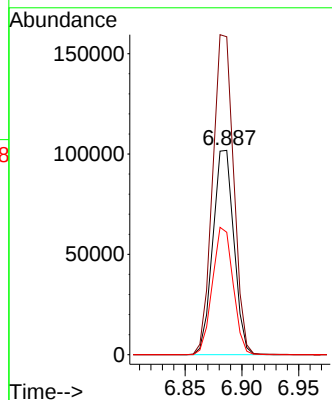
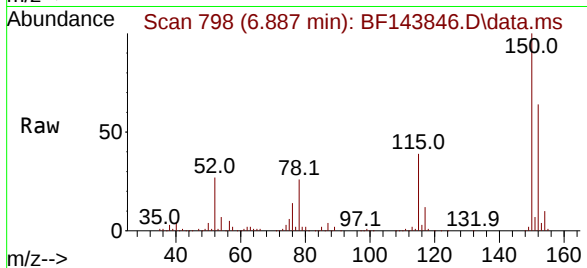




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

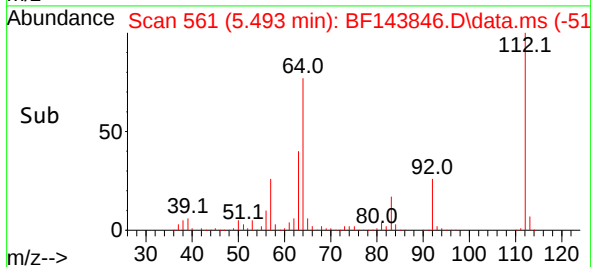
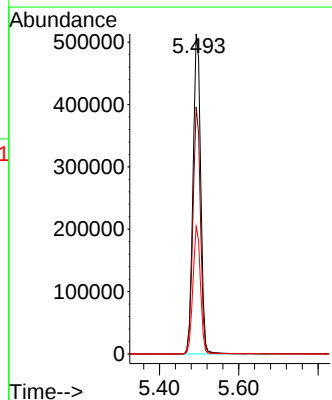
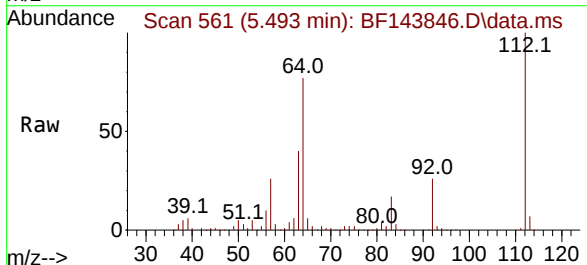
Instrument :
BNA_F
ClientSampleId :
13-1

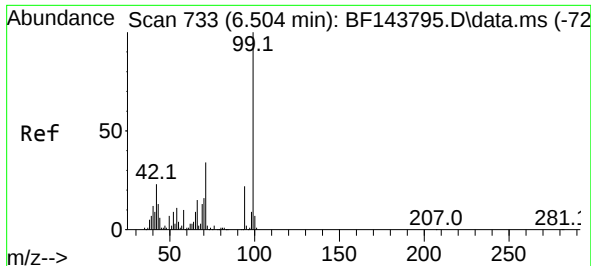
Tgt Ion:152 Resp: 131354
Ion Ratio Lower Upper
152 100
150 155.6 129.6 194.4
115 59.9 49.0 73.4



#5
2-Fluorophenol
Concen: 85.823 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

Tgt Ion:112 Resp: 693861
Ion Ratio Lower Upper
112 100
64 77.2 63.0 94.4
63 39.8 32.6 49.0





#7

Phenol-d6

Concen: 89.755 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1

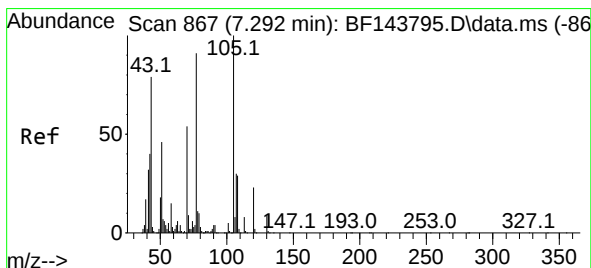
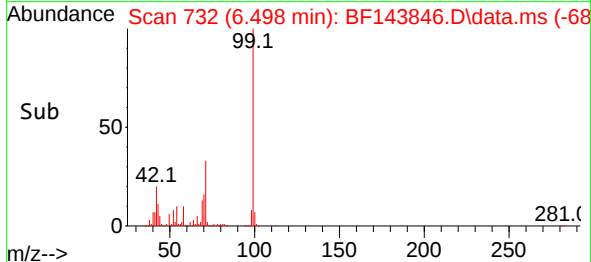
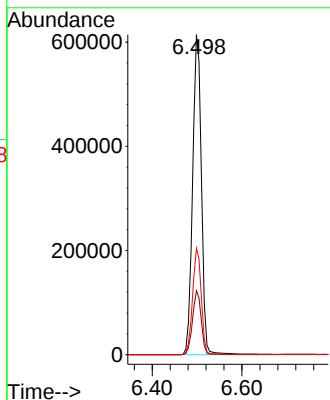
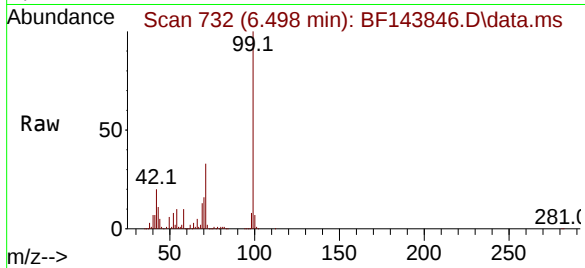
Tgt Ion: 99 Resp: 838444

Ion Ratio Lower Upper

99 100

42 20.0 18.6 28.0

71 33.2 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.369 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.135 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

Tgt Ion: 70 Resp: 68293

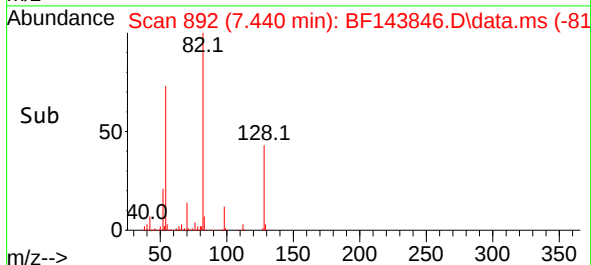
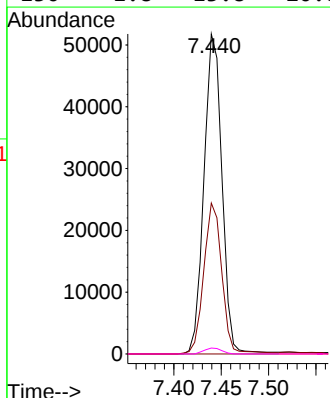
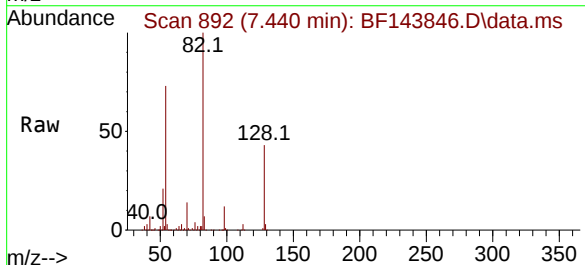
Ion Ratio Lower Upper

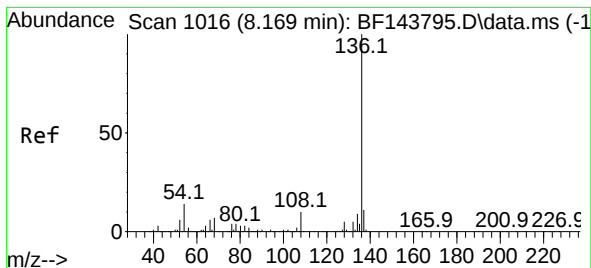
70 100

42 47.1 59.4 89.0#

101 0.0 7.1 10.7#

130 1.8 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1

Tgt Ion:136 Resp: 490961

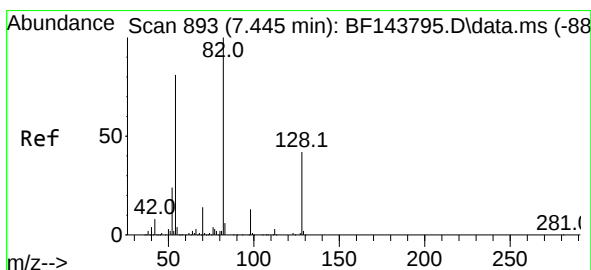
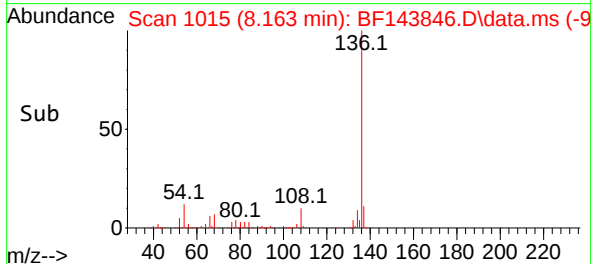
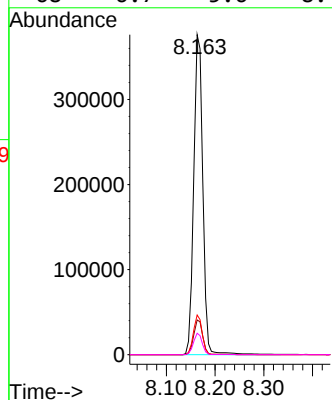
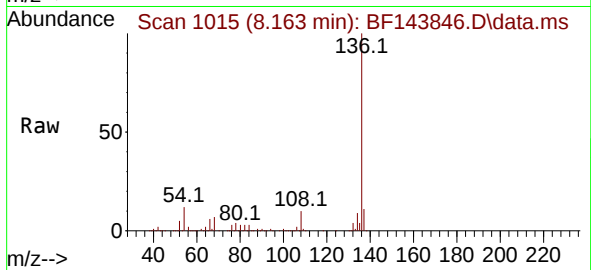
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 12.4 11.2 16.8

68 6.7 5.6 8.4



#23

Nitrobenzene-d5

Concen: 60.493 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.011 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

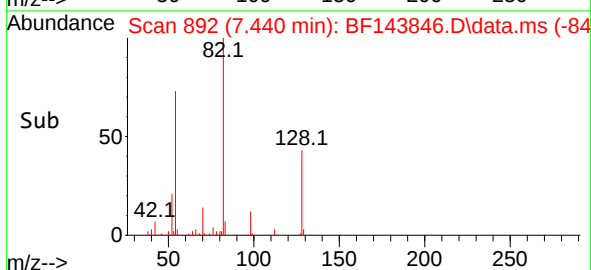
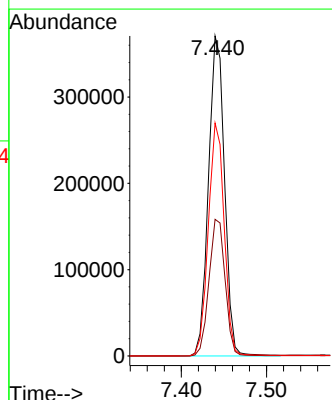
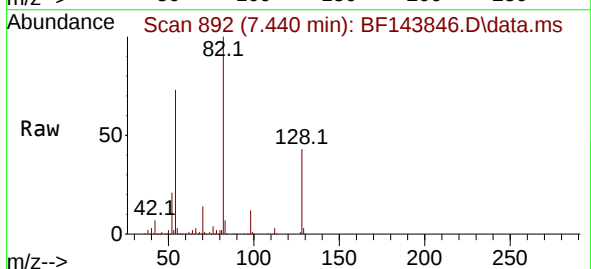
Tgt Ion: 82 Resp: 485197

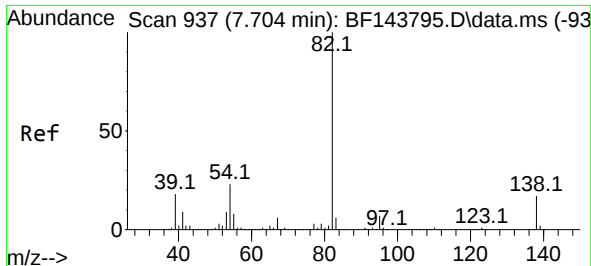
Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

54 72.8 64.2 96.4

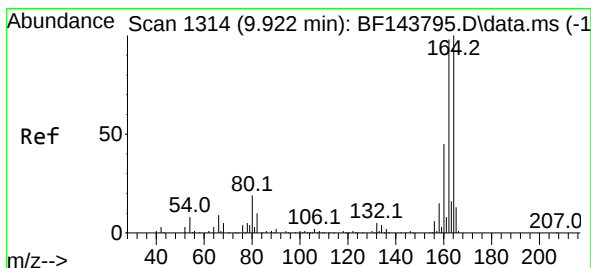
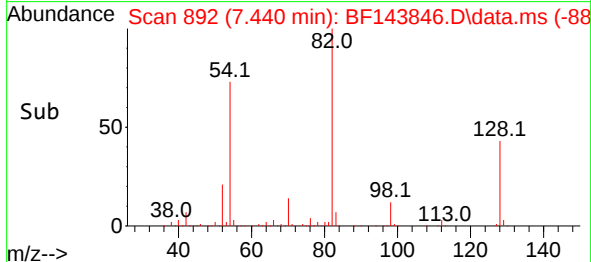
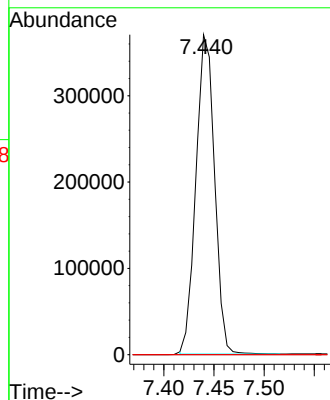
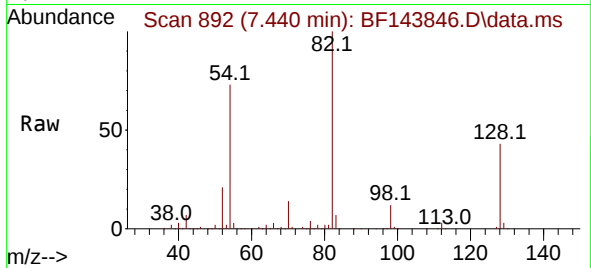




#25
Isophorone
Concen: 30.654 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

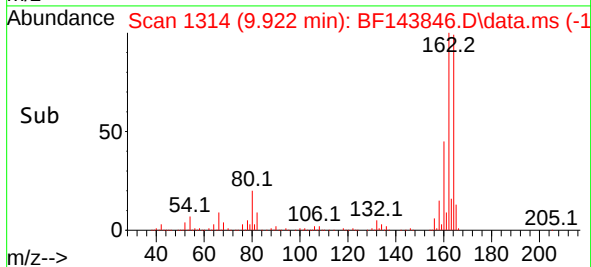
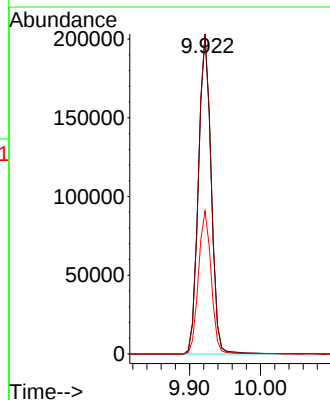
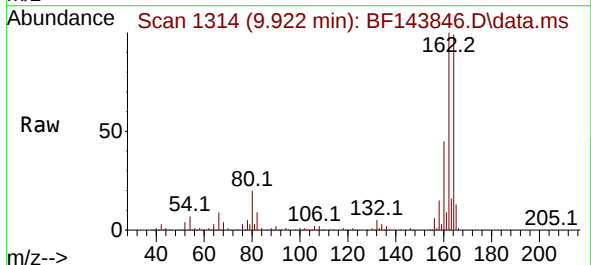
Instrument :
BNA_F
ClientSampleId :
13-1

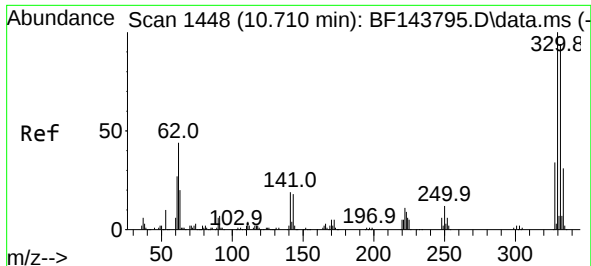
Tgt Ion: 82 Resp: 479110
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

Tgt Ion: 164 Resp: 252839
Ion Ratio Lower Upper
164 100
162 100.5 78.8 118.2
160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 96.425 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1

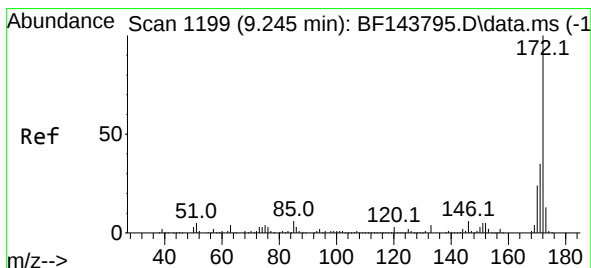
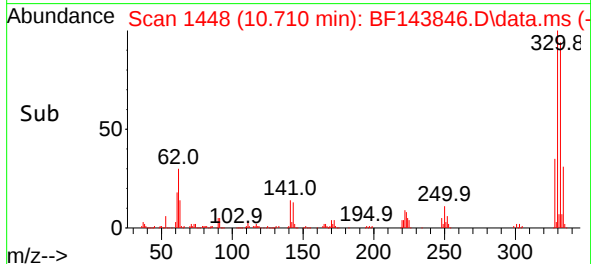
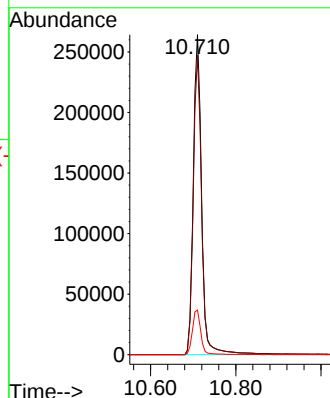
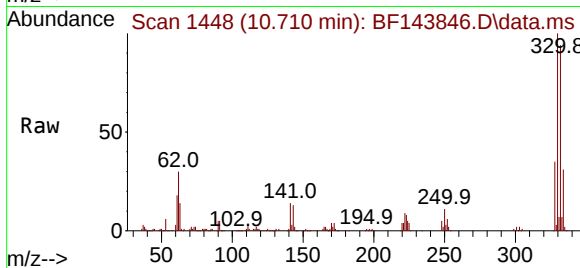
Tgt Ion:330 Resp: 360985

Ion Ratio Lower Upper

330 100

332 93.7 74.7 112.1

141 14.2 14.3 21.5#



#45

2-Fluorobiphenyl

Concen: 60.762 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

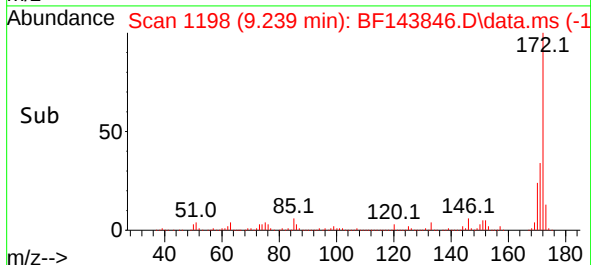
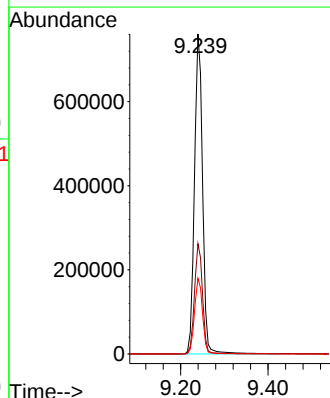
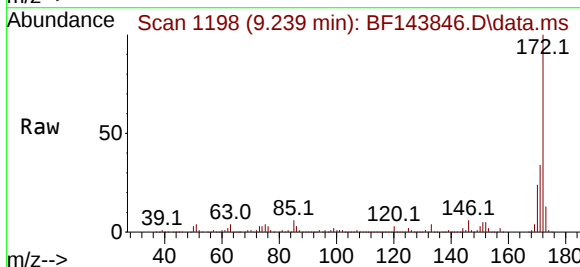
Tgt Ion:172 Resp: 984502

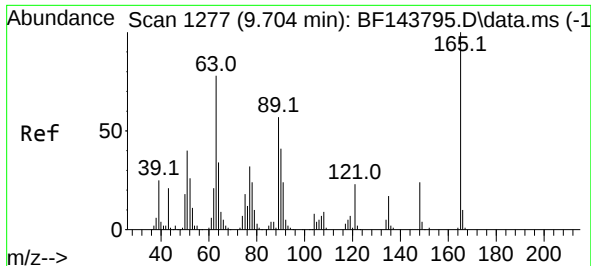
Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 23.6 19.1 28.7

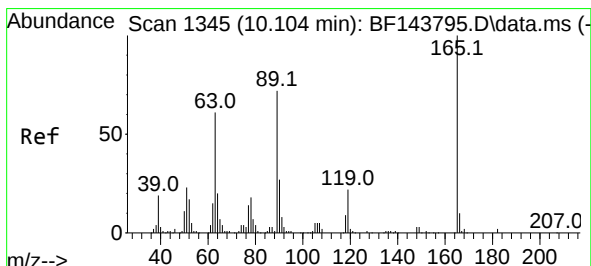
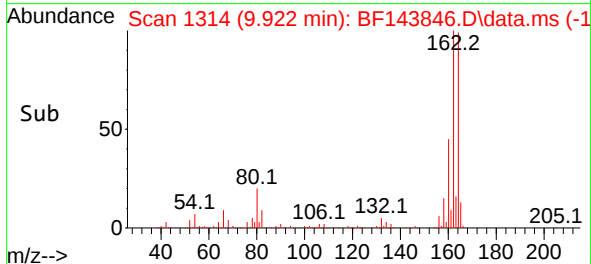
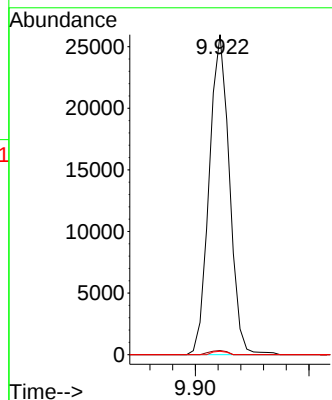
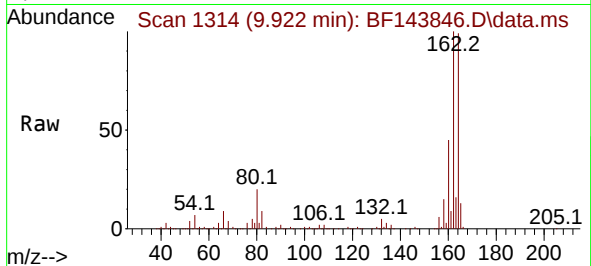




#51
2,6-Dinitrotoluene
Concen: 12.679 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

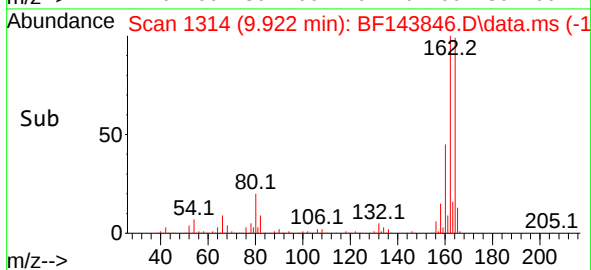
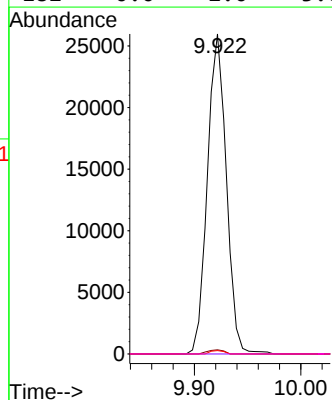
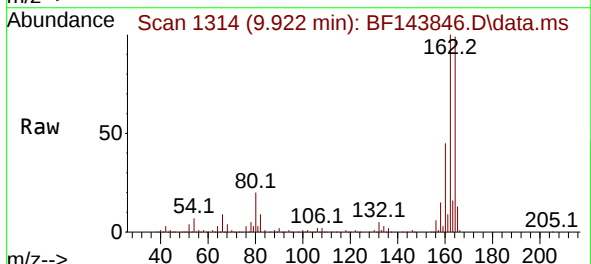
Instrument :
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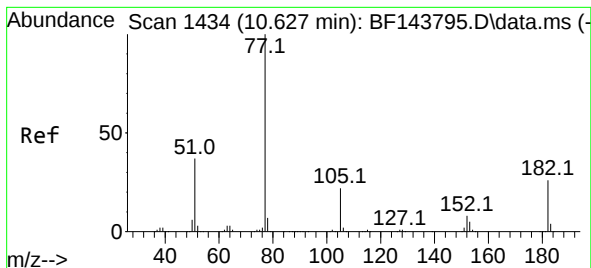
Tgt Ion:165 Resp: 32102
Ion Ratio Lower Upper
165 100
63 1.3 62.6 94.0#
89 1.1 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 10.942 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

Tgt Ion:165 Resp: 32103
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.1 57.5 86.3#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.987 ng

RT: 10.633 min Scan# 1435

Delta R.T. 0.006 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1

Tgt Ion: 77 Resp: 60612

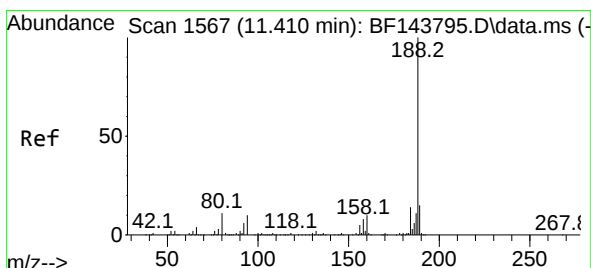
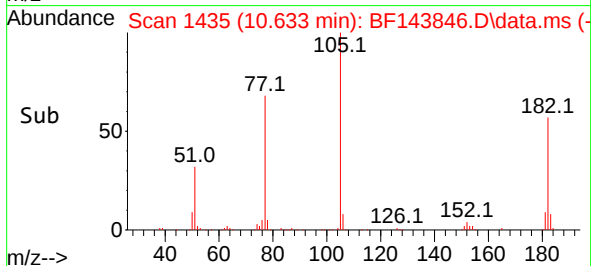
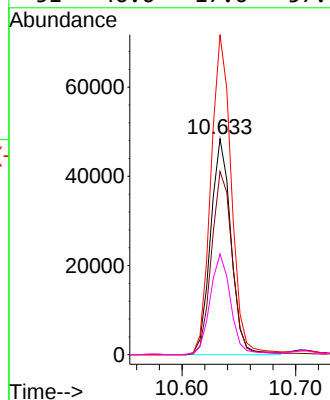
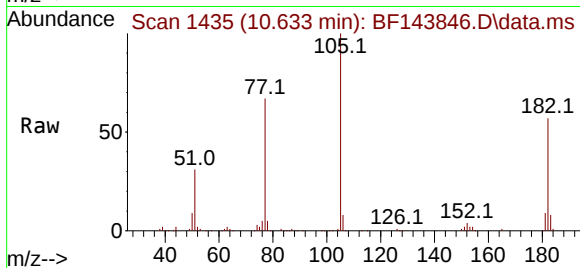
Ion Ratio Lower Upper

77 100

182 84.8 5.9 45.9#

105 148.2 2.3 42.3#

51 46.6 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: BF143846.D

Acq: 30 Sep 2025 21:32

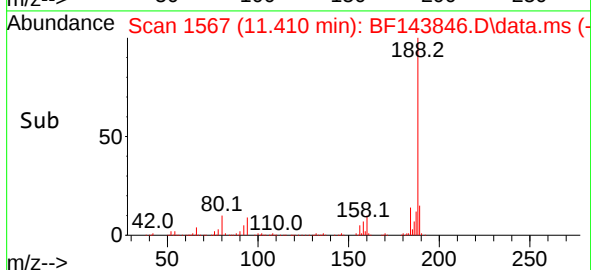
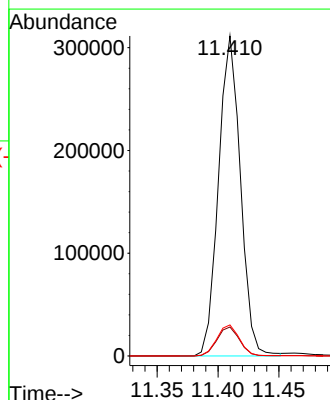
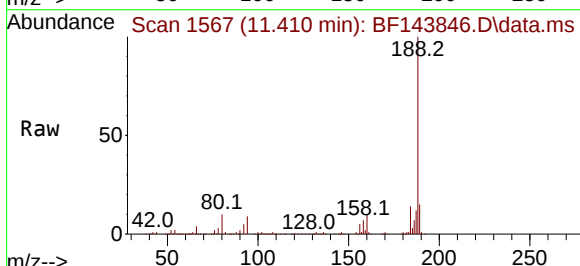
Tgt Ion: 188 Resp: 390575

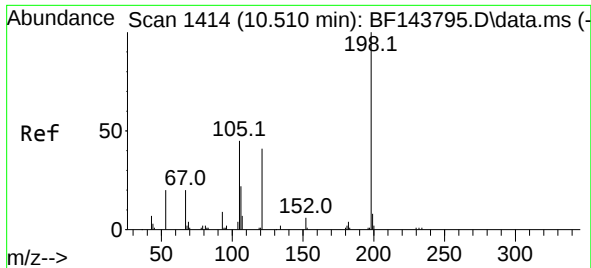
Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

80 9.7 8.6 12.8

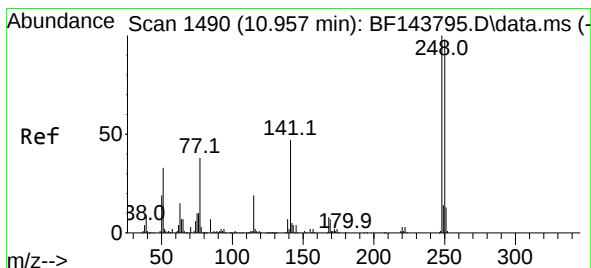
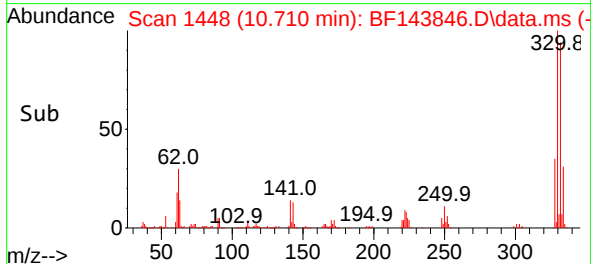
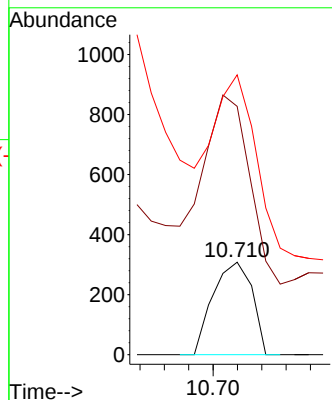
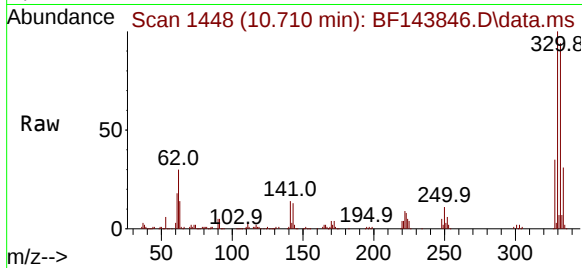




#65
4,6-Dinitro-2-methylphenol
Concen: 4.435 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

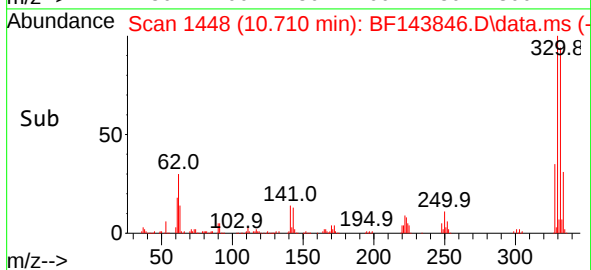
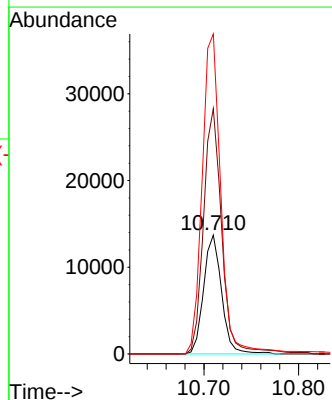
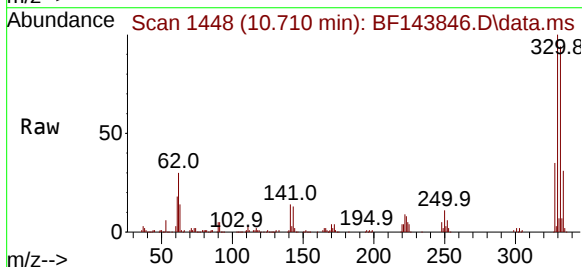
Instrument :
BNA_F
ClientSampleId :
13-1

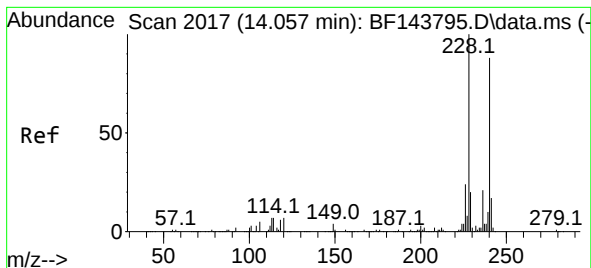
Tgt Ion:198 Resp: 344
Ion Ratio Lower Upper
198 100
51 268.5 52.0 92.0#
105 302.6 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.726 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143846.D
Acq: 30 Sep 2025 21:32

Tgt Ion:248 Resp: 18147
Ion Ratio Lower Upper
248 100
250 206.2 78.7 118.1#
141 269.1 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: BF143846.D

Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1

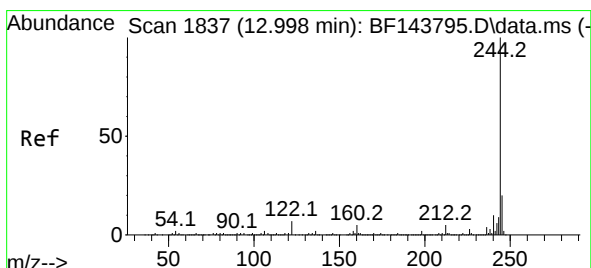
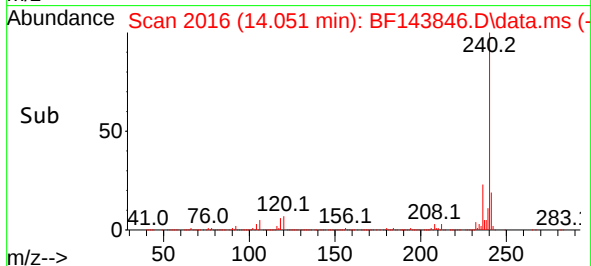
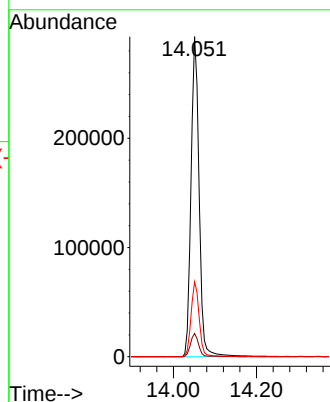
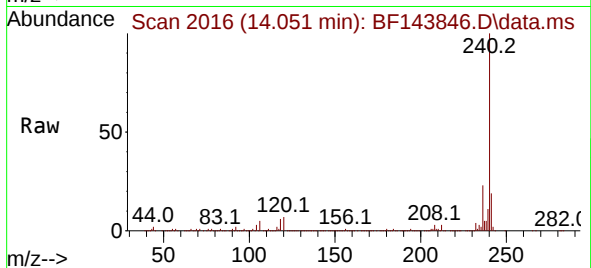
Tgt Ion:240 Resp: 395487

Ion Ratio Lower Upper

240 100

120 7.3 6.2 9.4

236 23.4 19.4 29.2



#79

Terphenyl-d14

Concen: 61.208 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143846.D

Acq: 30 Sep 2025 21:32

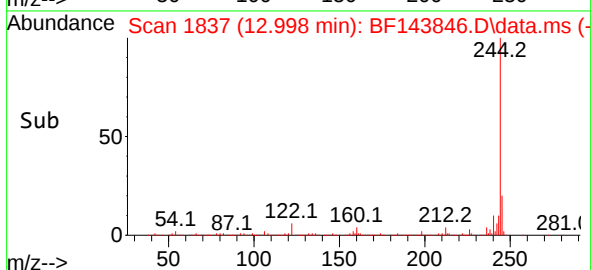
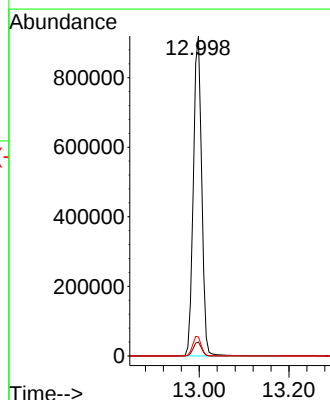
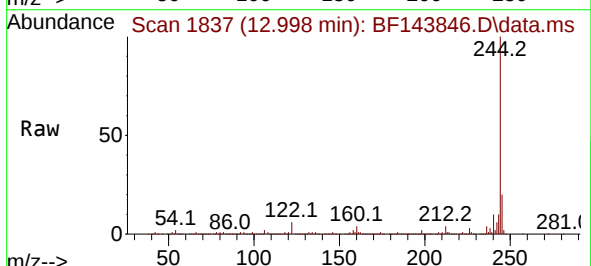
Tgt Ion:244 Resp: 1190263

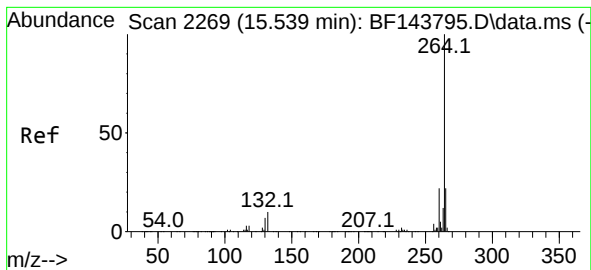
Ion Ratio Lower Upper

244 100

212 4.3 3.9 5.9

122 6.0 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: BF143846.D

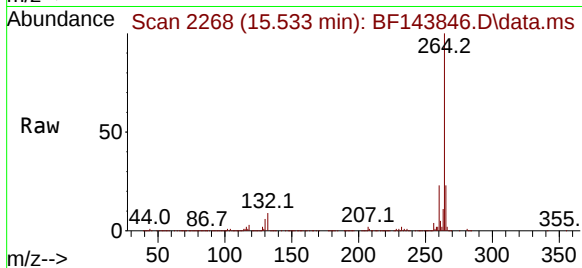
Acq: 30 Sep 2025 21:32

Instrument :

BNA_F

ClientSampleId :

13-1



Tgt Ion:264 Resp: 621975

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 22.9 17.7 26.5

