

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143615.D
 Acq On : 28 Aug 2025 17:44
 Operator : RC/JU
 Sample : Q2970-25
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Quant Time: Aug 29 01:08:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

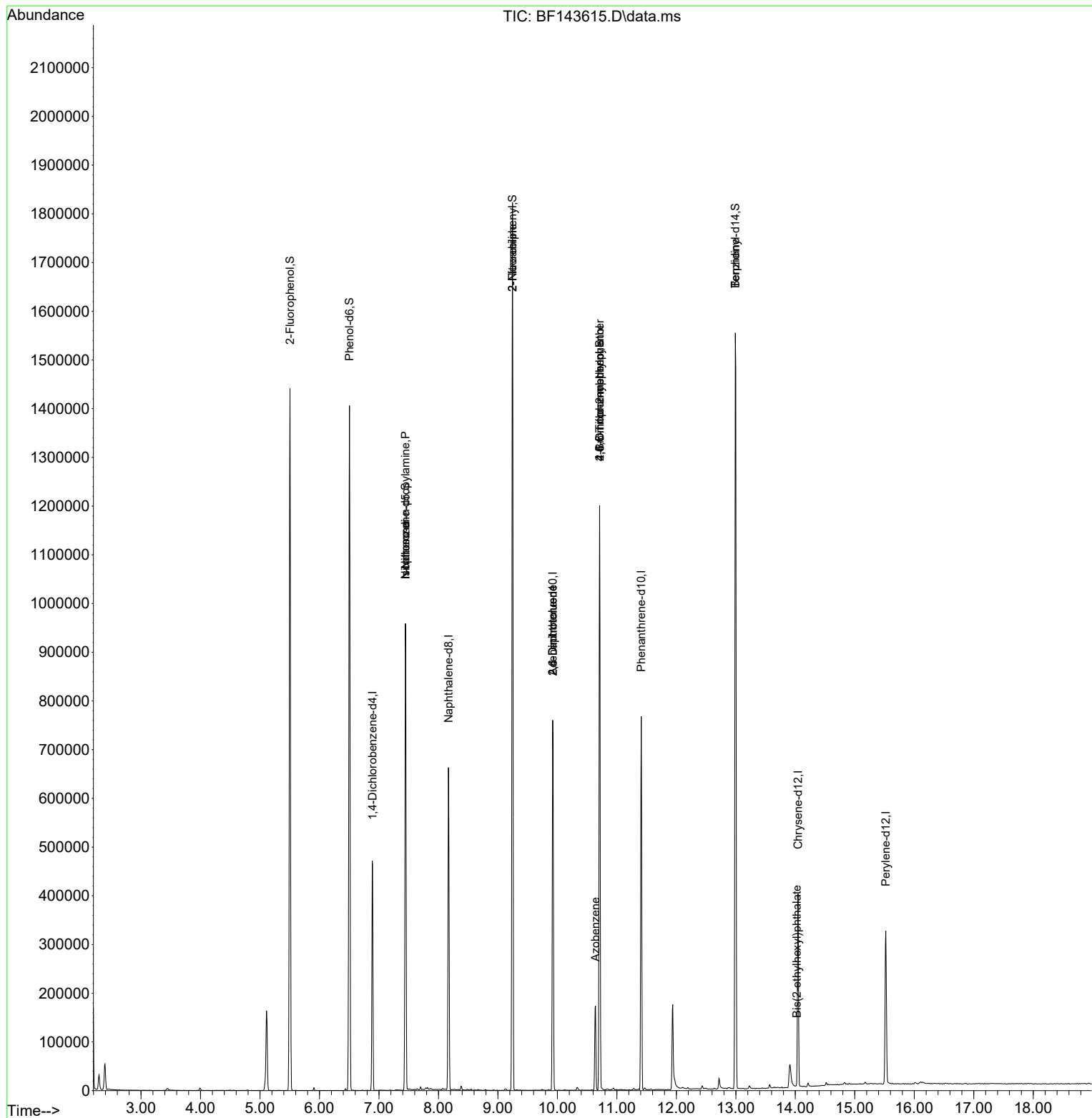
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	102884	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	401213	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231933	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	385679	20.000	ng	0.00
76) Chrysene-d12	14.045	240	191804	20.000	ng	0.00
86) Perylene-d12	15.521	264	188103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	532545	88.097	ng	0.00
7) Phenol-d6	6.504	99	677834	90.534	ng	0.00
23) Nitrobenzene-d5	7.445	82	417216	74.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	203446	112.168	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	795522	58.644	ng	0.00
79) Terphenyl-d14	12.992	244	775098	72.517	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	55576	11.717	ng	# 76
25) Isophorone	7.445	82	415048	31.563	ng	# 66
48) 2-Nitroaniline	9.245	65	1304	4.641	ng	# 5
51) 2,6-Dinitrotoluene	9.922	165	29326	15.801	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29326	13.232	ng	# 22
63) Azobenzene	10.639	77	44534	3.285	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	297	7.938	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13500	3.236	ng	# 1
77) Benzidine	12.992	184	9452	2.140	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.027	149	723	3.353	ng	# 88

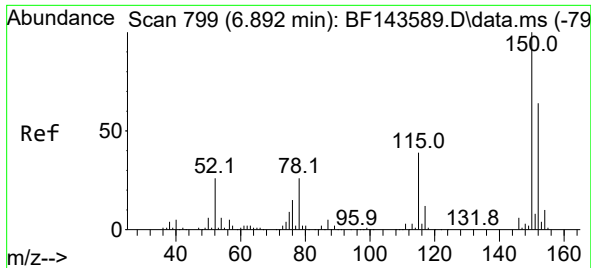
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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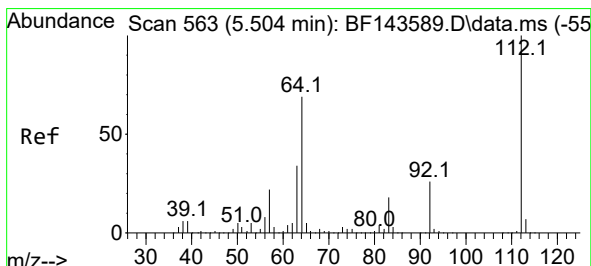
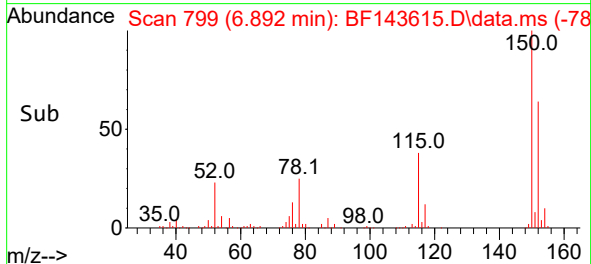
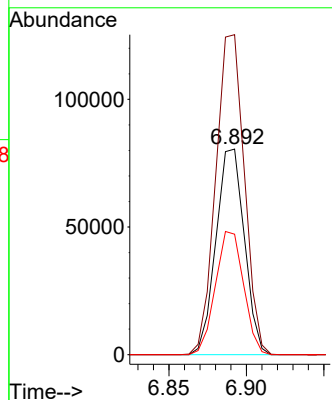
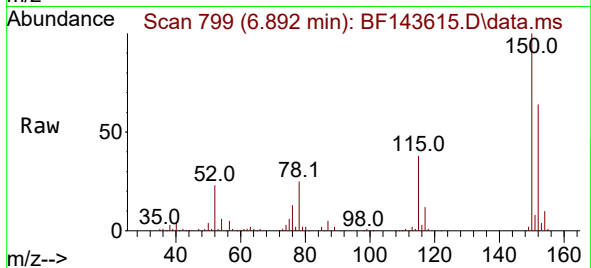




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143615.D
 Acq: 28 Aug 2025 17:44

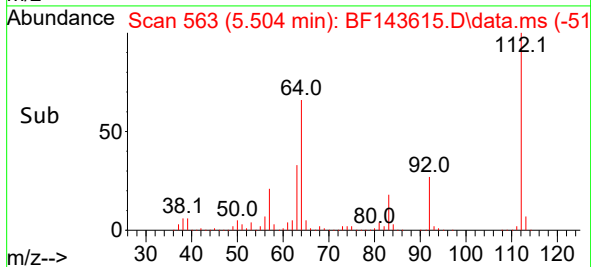
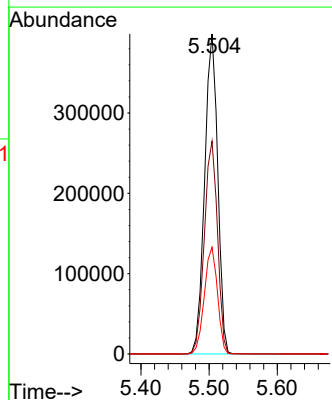
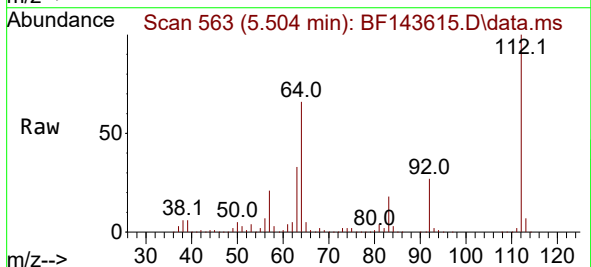
Instrument :
 BNA_F
 ClientSampleId :
 TP6

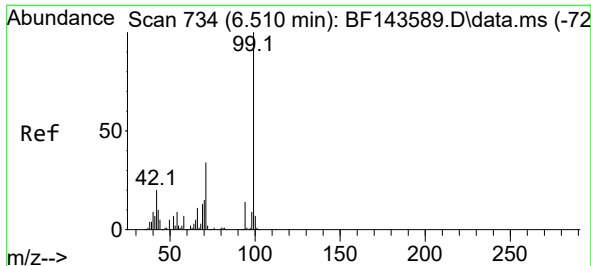
Tgt Ion:152 Resp: 102884
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.9 187.3
 115 58.6 48.0 72.0



#5
 2-Fluorophenol
 Concen: 88.097 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF143615.D
 Acq: 28 Aug 2025 17:44

Tgt Ion:112 Resp: 532545
 Ion Ratio Lower Upper
 112 100
 64 66.5 54.8 82.2
 63 33.3 27.6 41.4

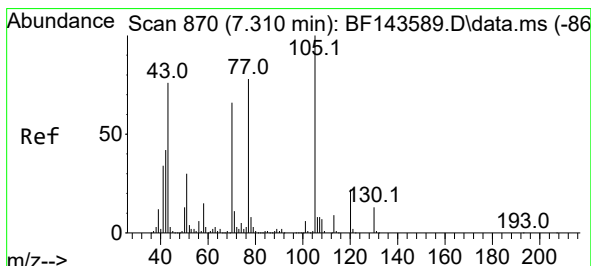
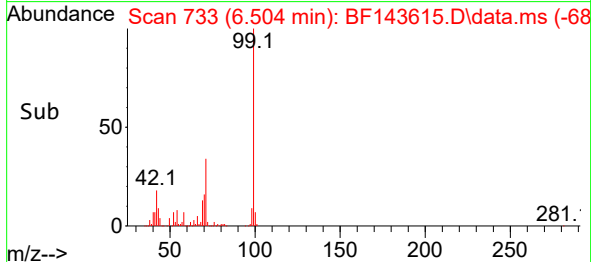
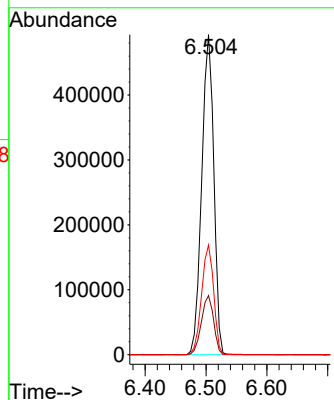
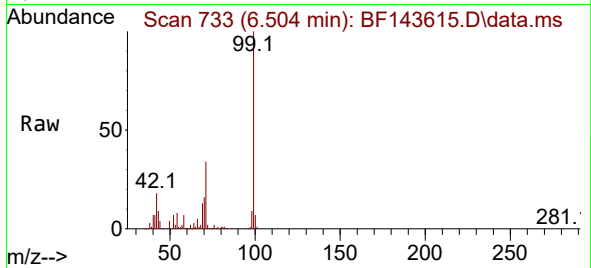




#7
Phenol-d6
Concen: 90.534 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

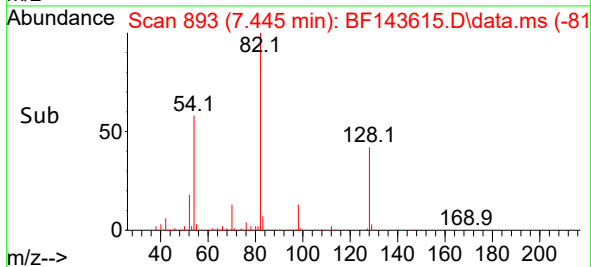
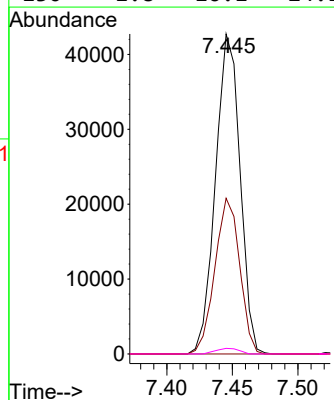
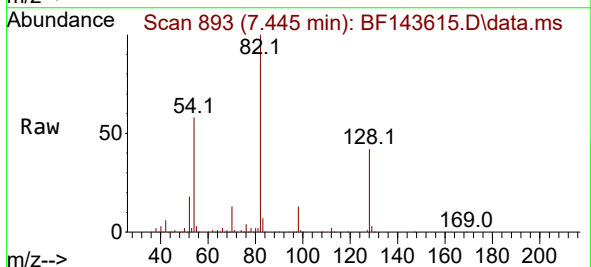
Instrument :
BNA_F
ClientSampleId :
TP6

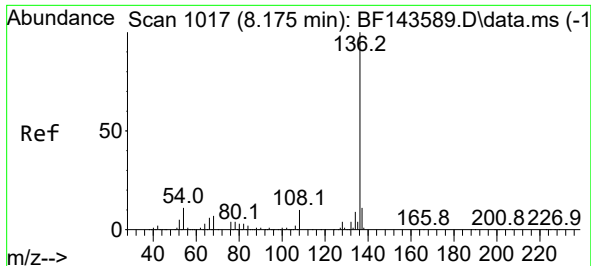
Tgt Ion: 99 Resp: 677834
Ion Ratio Lower Upper
99 100
42 18.5 15.9 23.9
71 34.2 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.717 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion: 70 Resp: 55576
Ion Ratio Lower Upper
70 100
42 48.7 50.6 75.8#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



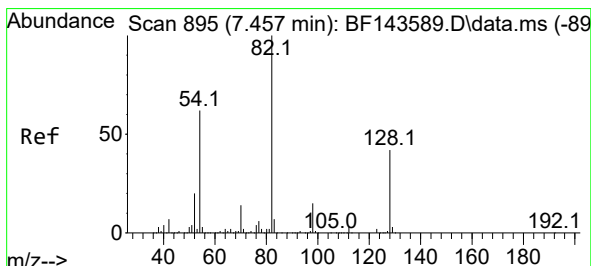
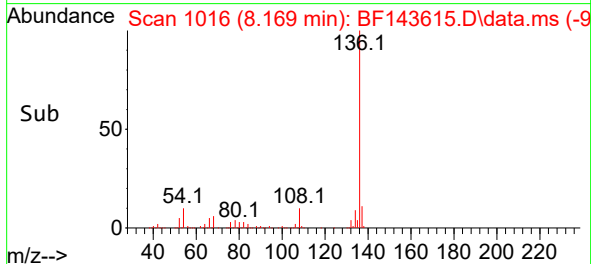
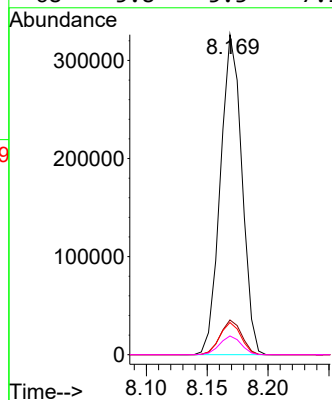
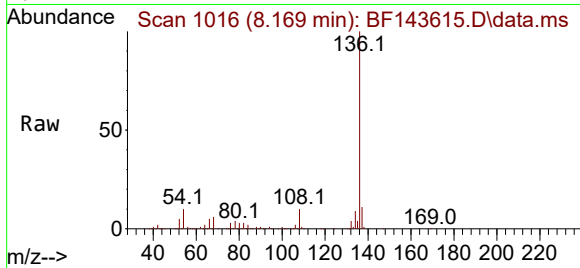


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Instrument :
BNA_F
ClientSampleId :
TP6

Tgt Ion:136 Resp: 401213

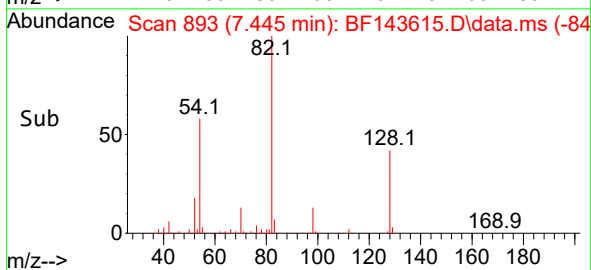
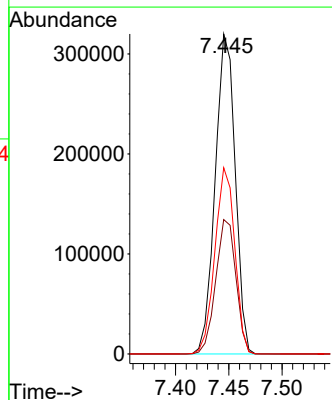
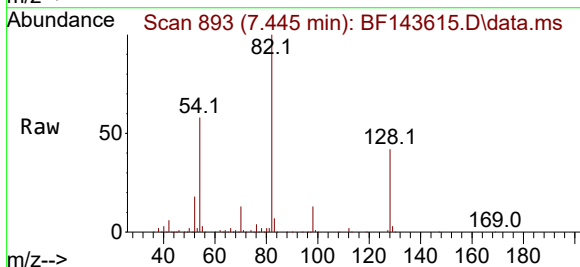
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.1	9.0	13.6
68	5.8	5.3	7.9

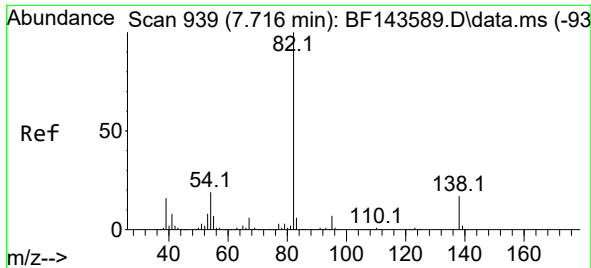


#23
Nitrobenzene-d5
Concen: 74.249 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion: 82 Resp: 417216

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.4	50.2
54	58.2	49.3	73.9

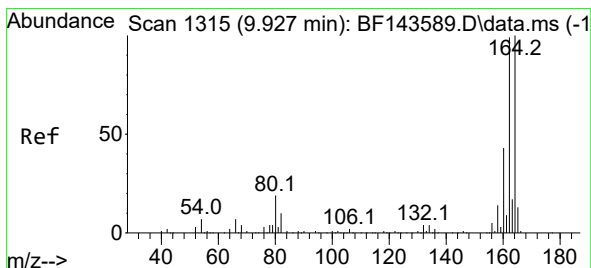
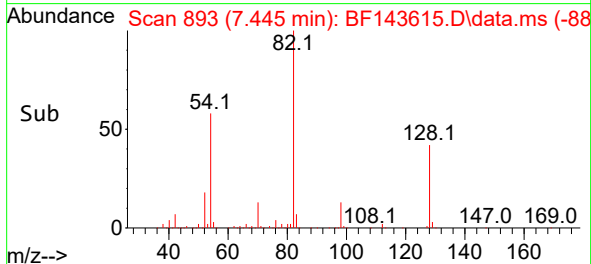
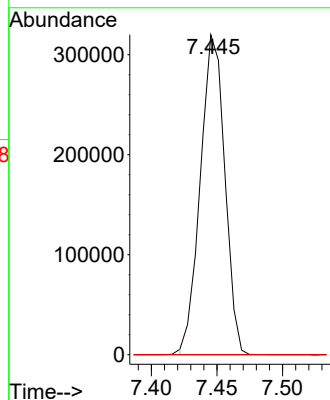
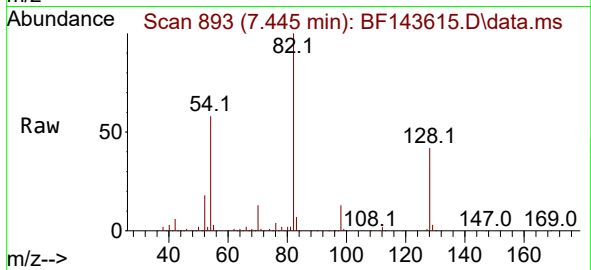




#25
Isophorone
Concen: 31.563 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

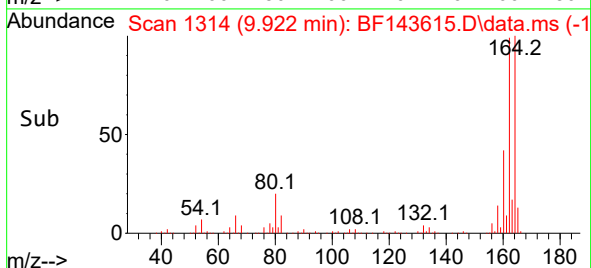
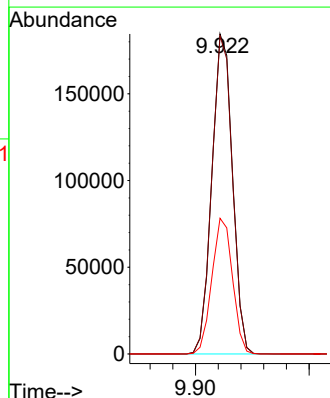
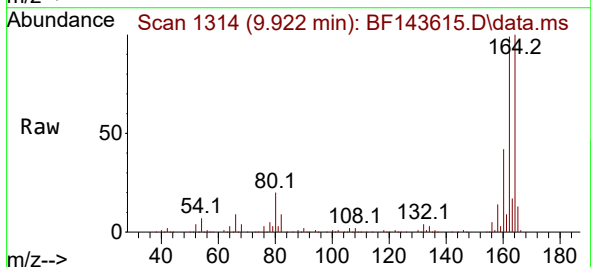
Instrument :
BNA_F
ClientSampleId :
TP6

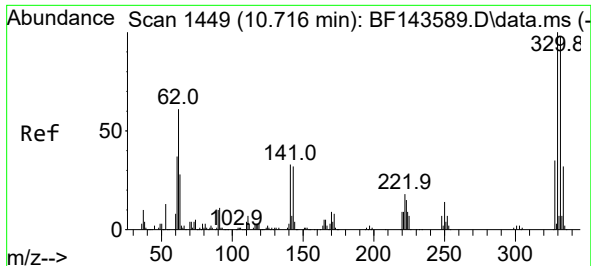
Tgt Ion: 82 Resp: 415048
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion:164 Resp: 231933
Ion Ratio Lower Upper
164 100
162 99.4 79.5 119.3
160 42.4 34.2 51.4

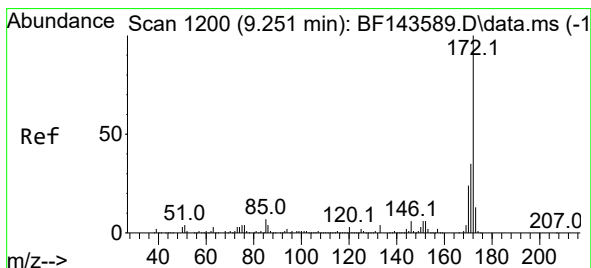
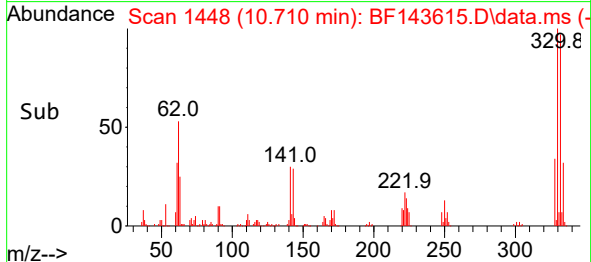
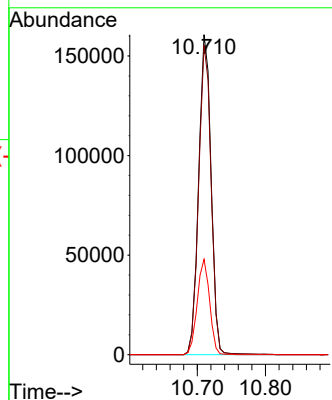
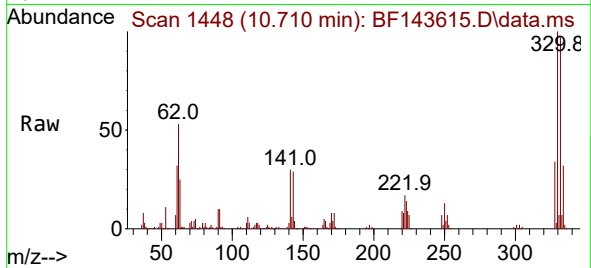




#42
2,4,6-Tribromophenol
Concen: 112.168 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

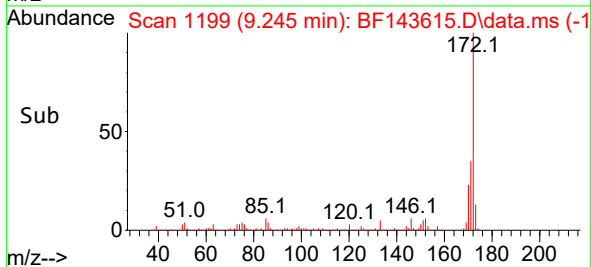
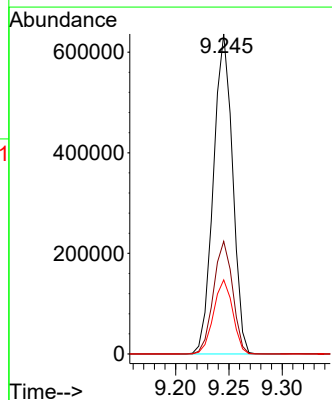
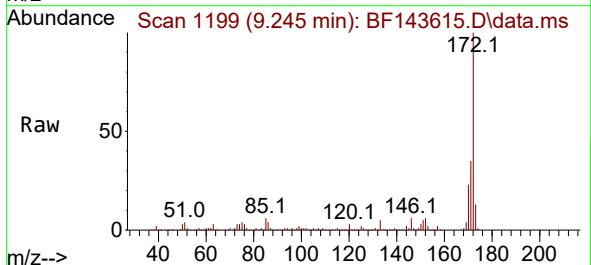
Instrument :
BNA_F
ClientSampleId :
TP6

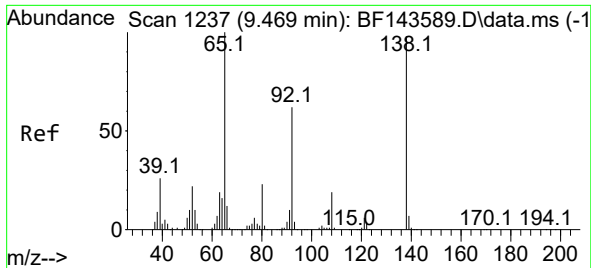
Tgt Ion:330 Resp: 203446
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.4
141 29.6 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 58.644 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion:172 Resp: 795522
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.2 19.0 28.4

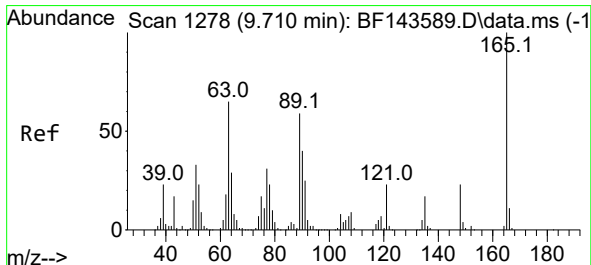
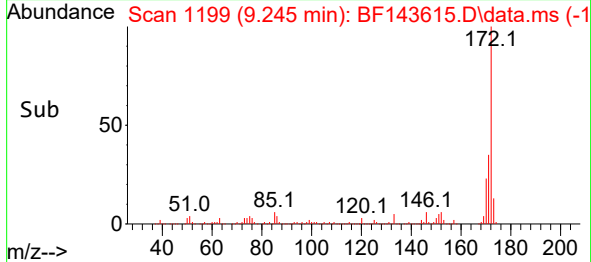
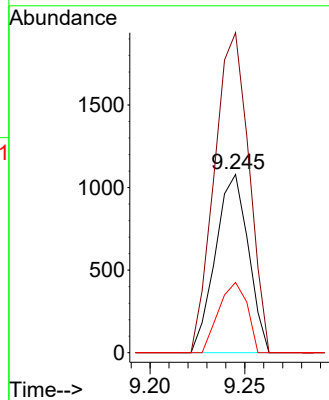
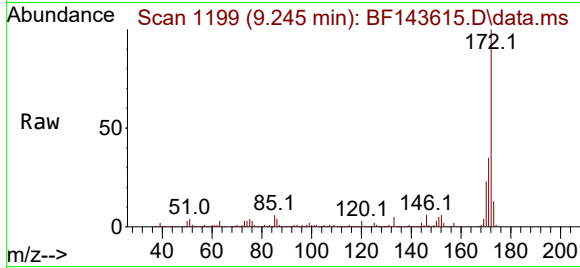




#48
2-Nitroaniline
Concen: 4.641 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

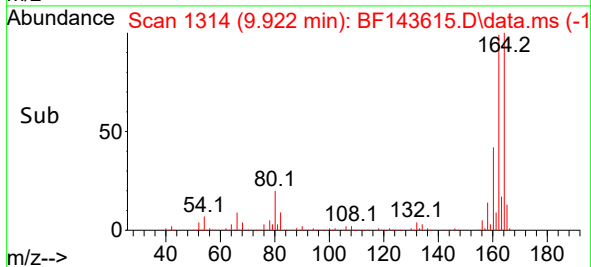
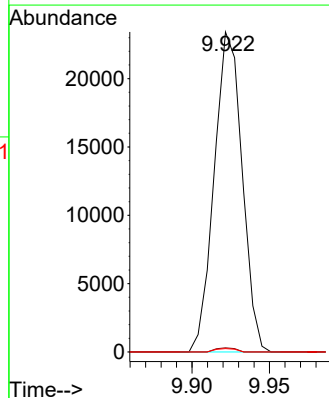
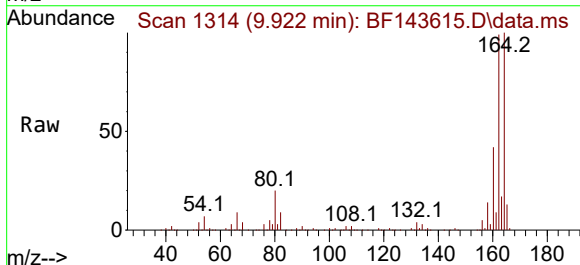
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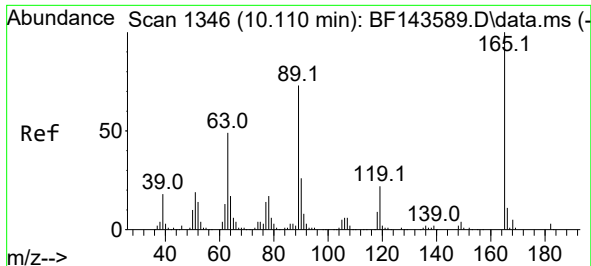
Tgt Ion: 65 Resp: 1304
Ion Ratio Lower Upper
65 100
92 179.4 49.6 74.4#
138 39.4 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 15.801 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion: 165 Resp: 29326
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.0 47.4 71.2#

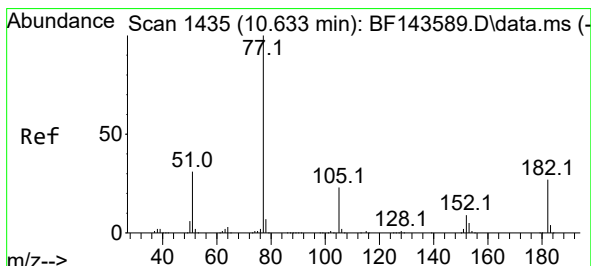
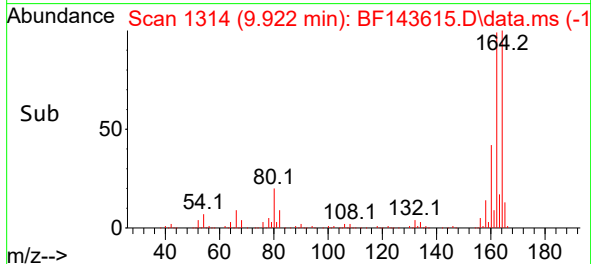
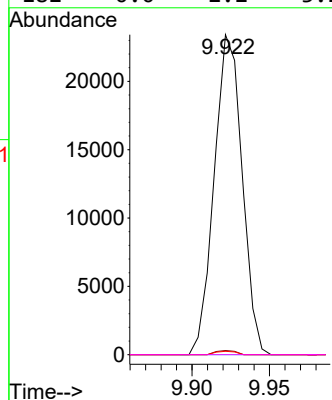
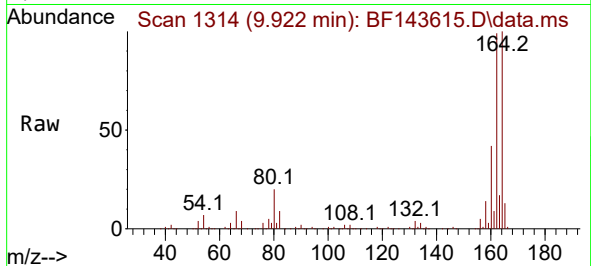




#57
2,4-Dinitrotoluene
Concen: 13.232 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

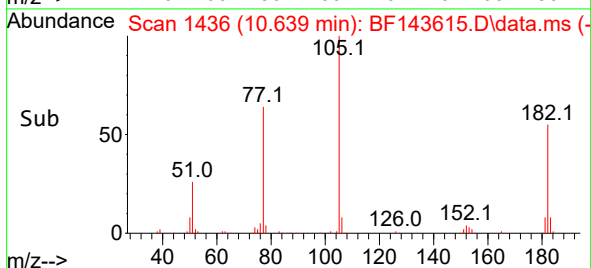
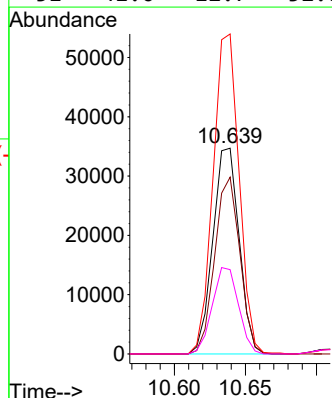
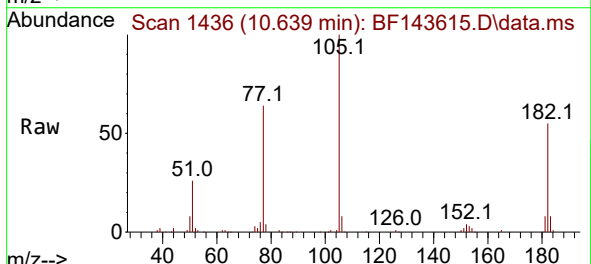
Instrument :
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TP6

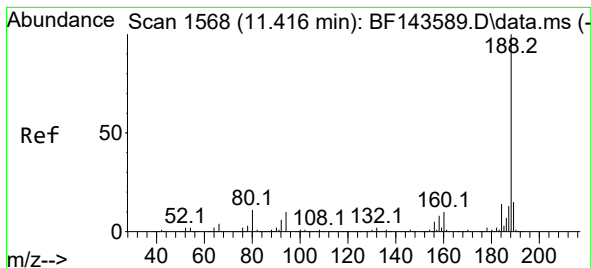
Tgt Ion:165 Resp: 29326
Ion Ratio Lower Upper
165 100
63 1.3 39.5 59.3#
89 1.0 58.1 87.1#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.285 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion: 77 Resp: 44534
Ion Ratio Lower Upper
77 100
182 86.0 6.3 46.3#
105 155.5 2.4 42.4#
51 41.0 12.7 52.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143615.D

Acq: 28 Aug 2025 17:44

Instrument :

BNA_F

ClientSampleId :

TP6

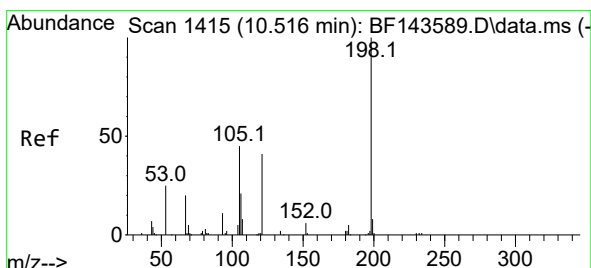
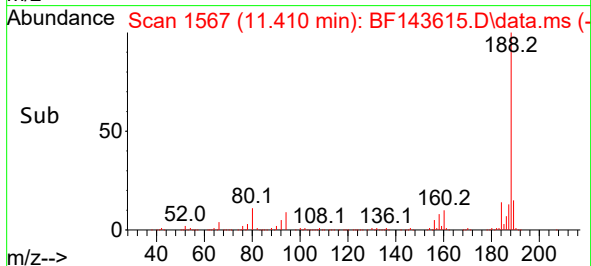
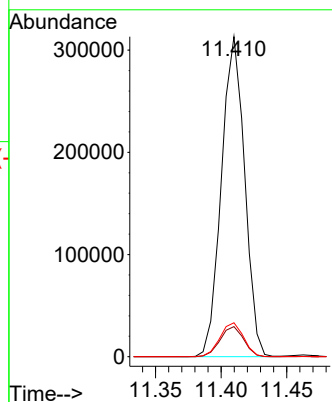
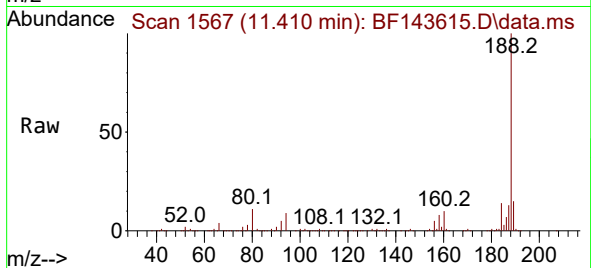
Tgt Ion:188 Resp: 385679

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.4

80 10.6 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 7.938 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143615.D

Acq: 28 Aug 2025 17:44

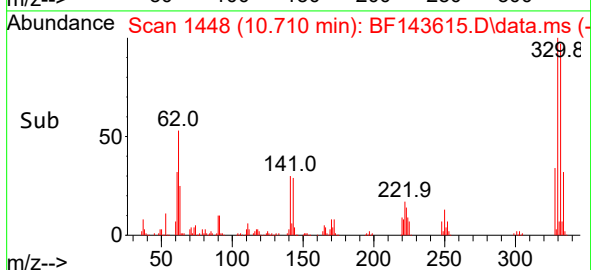
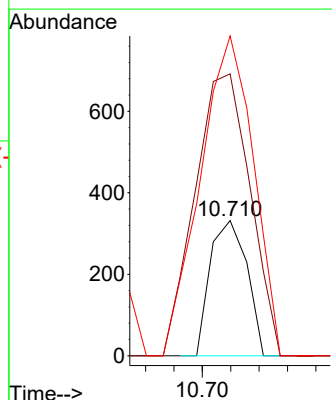
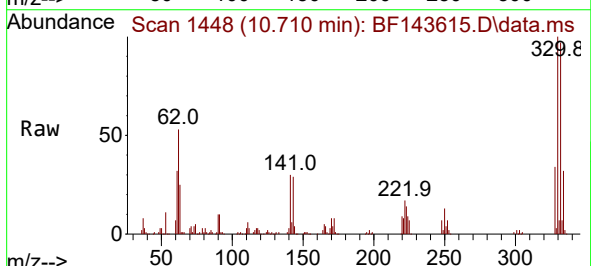
Tgt Ion:198 Resp: 297

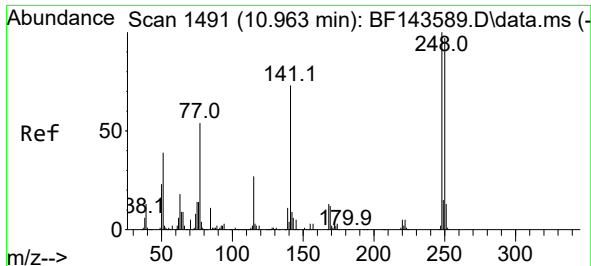
Ion Ratio Lower Upper

198 100

51 208.4 41.5 81.5#

105 236.4 28.2 68.2#

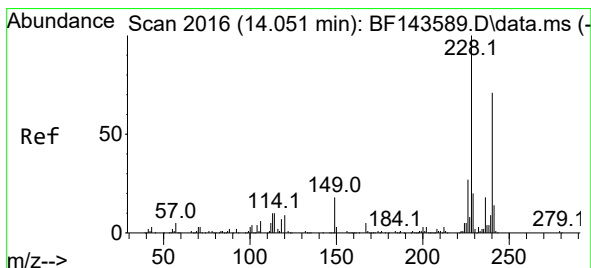
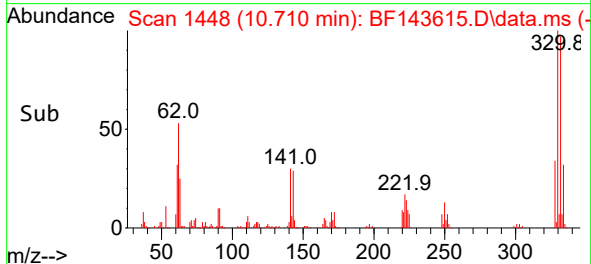
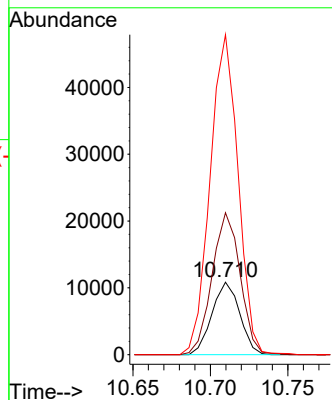
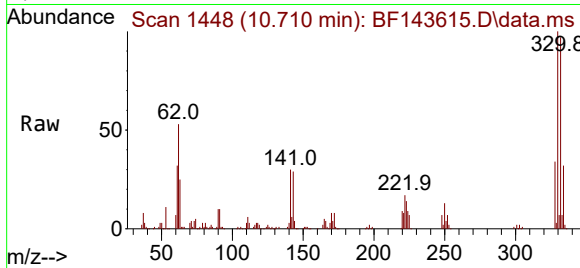




#67
4-Bromophenyl-phenylether
Concen: 3.236 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

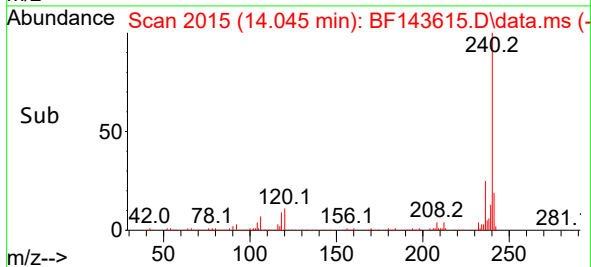
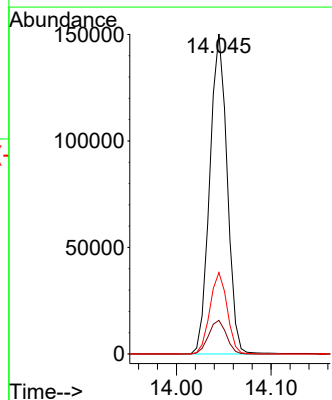
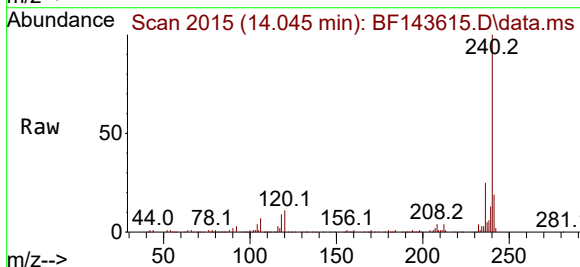
Instrument :
BNA_F
ClientSampleId :
TP6

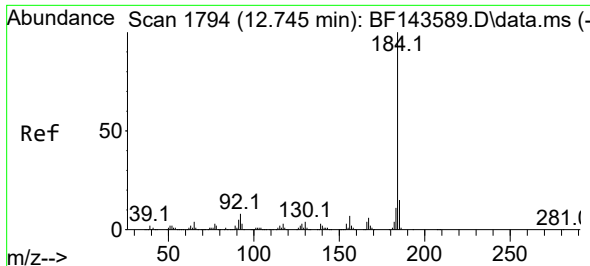
Tgt Ion:248 Resp: 13500
Ion Ratio Lower Upper
248 100
250 195.7 77.8 116.6#
141 441.4 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion:240 Resp: 191804
Ion Ratio Lower Upper
240 100
120 10.5 9.6 14.4
236 25.5 20.2 30.2

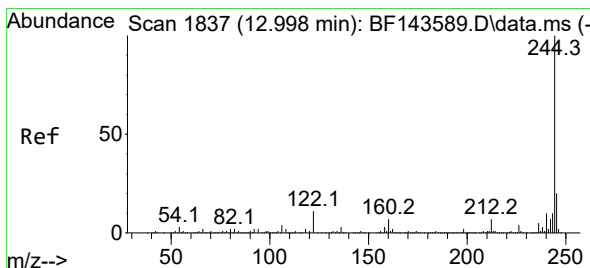
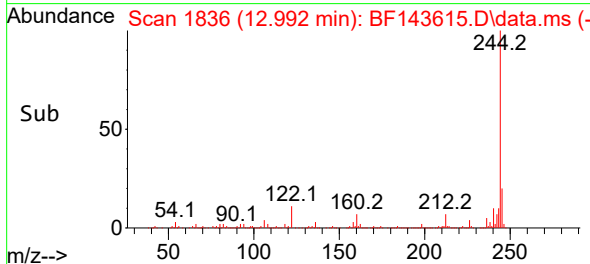
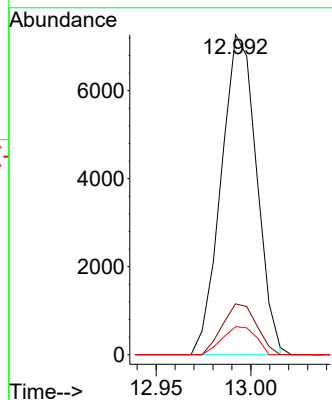
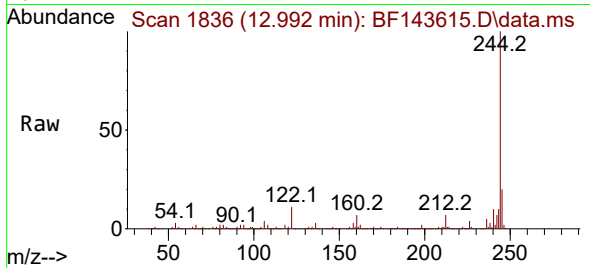




#77
Benzidine
Concen: 2.140 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.247 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

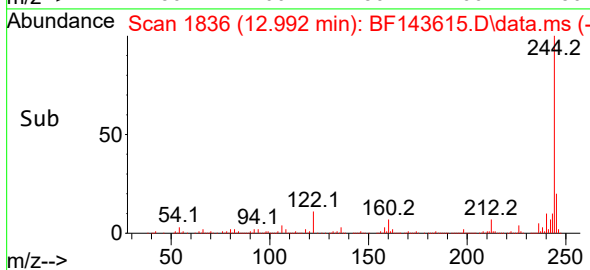
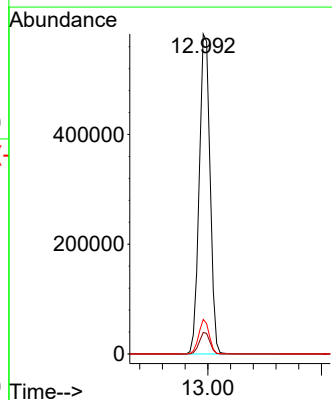
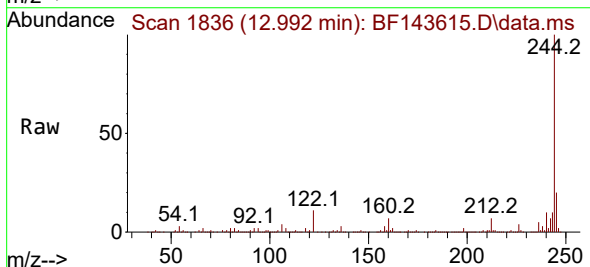
Instrument :
BNA_F
ClientSampleId :
TP6

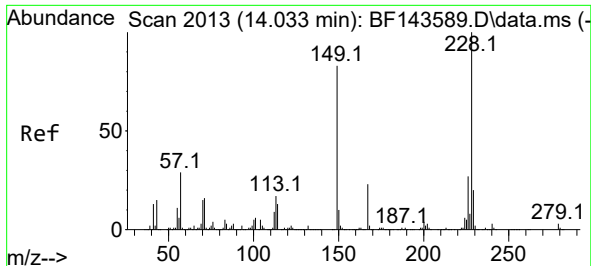
Tgt Ion:184 Resp: 9452
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 8.7 9.1 13.7#



#79
Terphenyl-d14
Concen: 72.517 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion:244 Resp: 775098
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 10.8 8.8 13.2

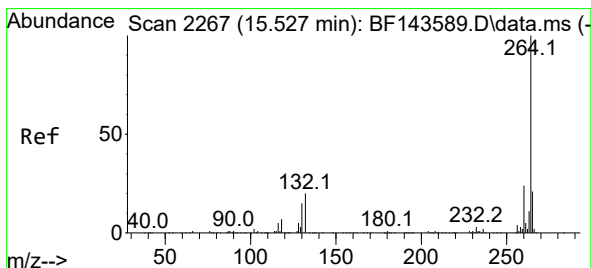
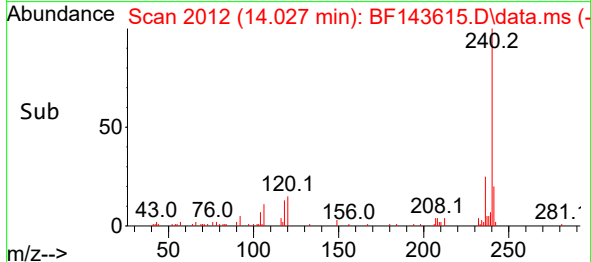
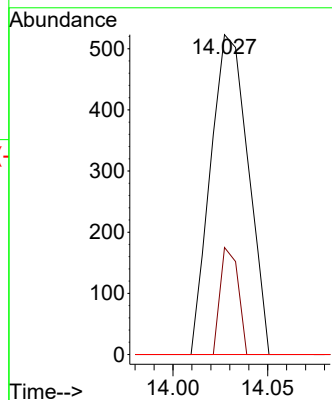
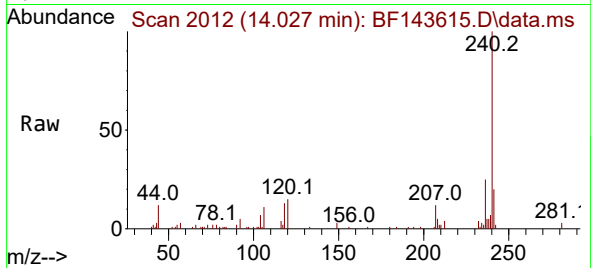




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.353 ng
RT: 14.027 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Instrument :
BNA_F
ClientSampleId :
TP6

Tgt Ion:149 Resp: 723
Ion Ratio Lower Upper
149 100
167 33.5 21.8 32.8#
279 0.0 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF143615.D
Acq: 28 Aug 2025 17:44

Tgt Ion:264 Resp: 188103
Ion Ratio Lower Upper
264 100
260 23.3 18.9 28.3
265 21.2 17.0 25.4

