

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143614.D
 Acq On : 28 Aug 2025 17:14
 Operator : RC/JU
 Sample : Q2970-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12

Quant Time: Aug 28 17:57:02 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

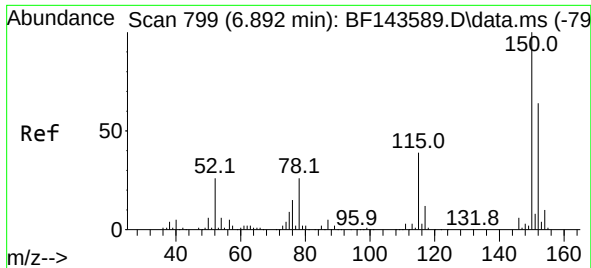
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	103792	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	397301	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	383302	20.000	ng	0.00
76) Chrysene-d12	14.045	240	195925	20.000	ng	0.00
86) Perylene-d12	15.521	264	200481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	811908	133.137	ng	0.00
7) Phenol-d6	6.510	99	1020095	135.055	ng	0.00
23) Nitrobenzene-d5	7.451	82	639022	114.842	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	299229	165.375	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1165309	86.111	ng	0.00
79) Terphenyl-d14	12.998	244	1141662	104.565	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	84422	17.643	ng	# 76
25) Isophorone	7.451	82	635244	48.784	ng	# 66
48) 2-Nitroaniline	9.245	65	1915	4.800	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	30056	16.103	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	30056	13.461	ng	# 22
63) Azobenzene	10.639	77	98701	7.299	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	613	8.196	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	19449	4.691	ng	# 1
77) Benzidine	12.998	184	12754	2.827	ng	96
80) Butylbenzylphthalate	13.469	149	288	3.725	ng	# 83
84) Bis(2-ethylhexyl)phtha...	14.027	149	1864	3.528	ng	# 97
85) Di-n-octyl phthalate	14.680	149	405	5.899	ng	# 29

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

Quant Time: Aug 28 17:57:02 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

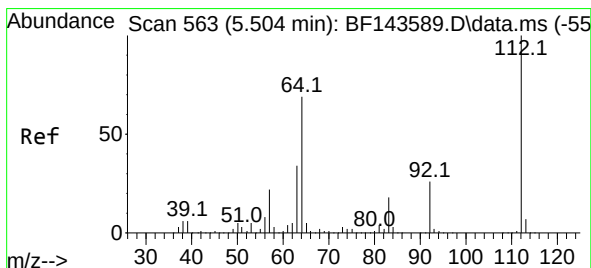
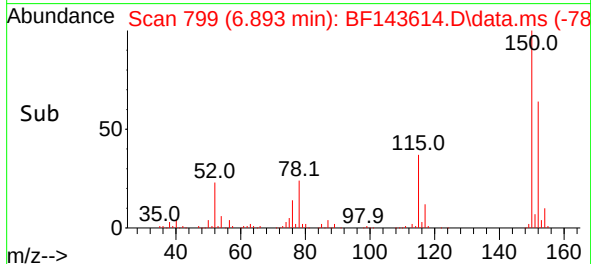
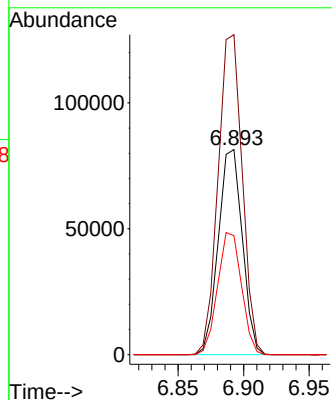
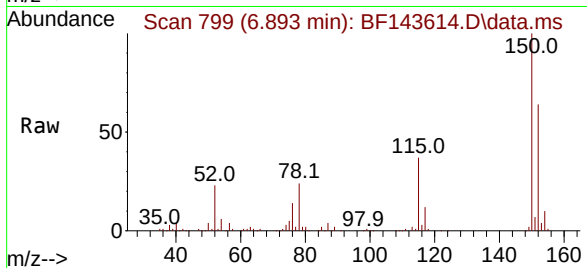




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.001 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

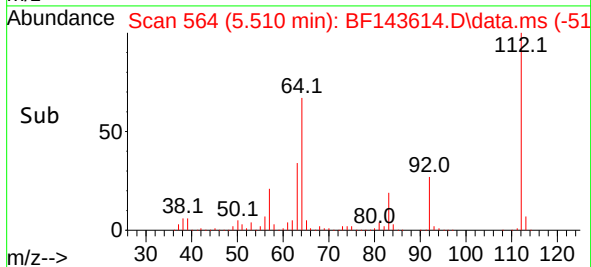
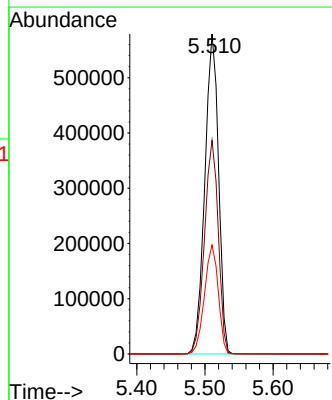
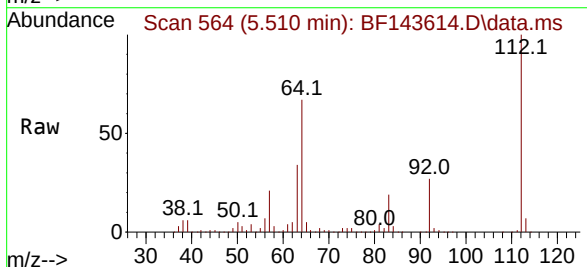
Instrument :
BNA_F
ClientSampleId :
TP12

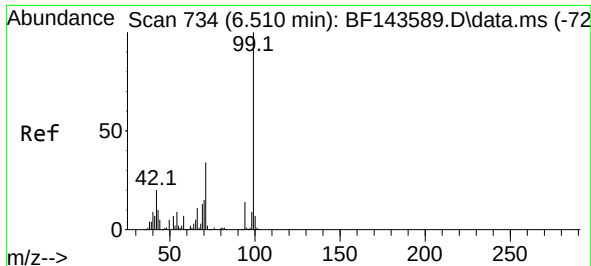
Tgt Ion:152 Resp: 103792
Ion Ratio Lower Upper
152 100
150 156.0 124.9 187.3
115 58.0 48.0 72.0



#5
2-Fluorophenol
Concen: 133.137 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:112 Resp: 811908
Ion Ratio Lower Upper
112 100
64 66.8 54.8 82.2
63 34.1 27.6 41.4



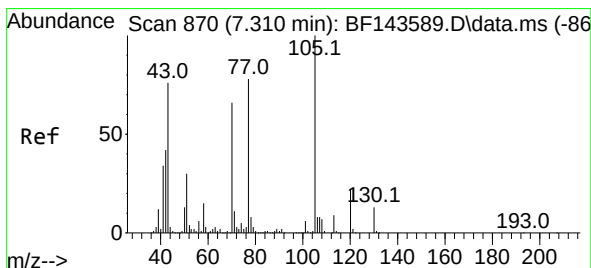
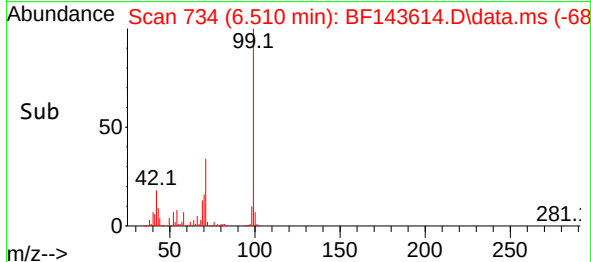
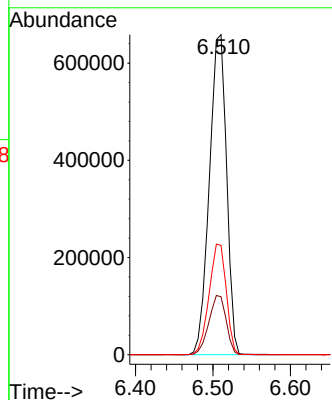
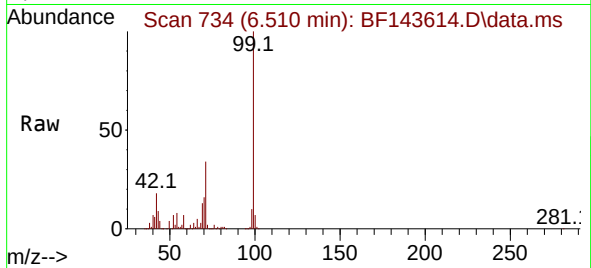


#7
Phenol-d6
Concen: 135.055 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Instrument :
BNA_F
ClientSampleId :
TP12

Tgt Ion: 99 Resp: 1020095

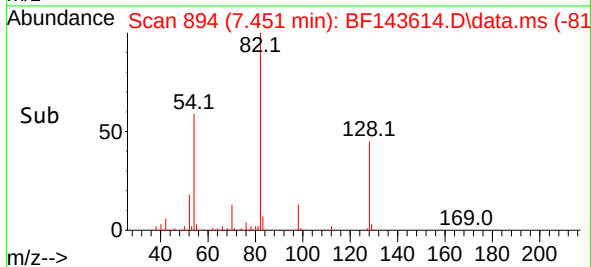
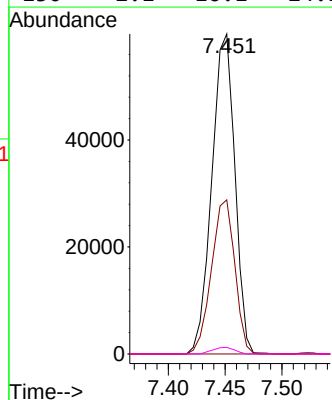
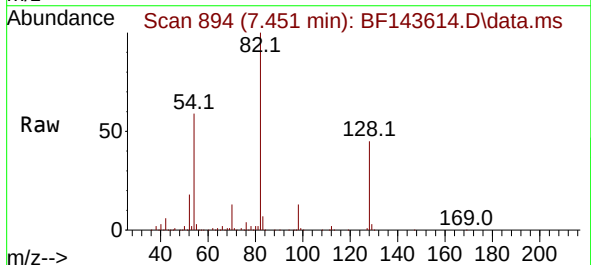
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.9	23.9
71	34.1	27.2	40.8

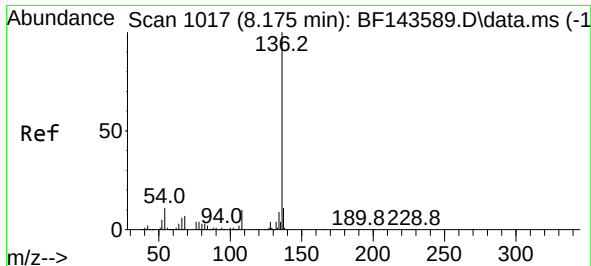


#19
n-Nitroso-di-n-propylamine
Concen: 17.643 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 70 Resp: 84422

Ion	Ratio	Lower	Upper
70	100		
42	48.2	50.6	75.8#
101	0.0	7.5	11.3#
130	2.1	16.1	24.1#

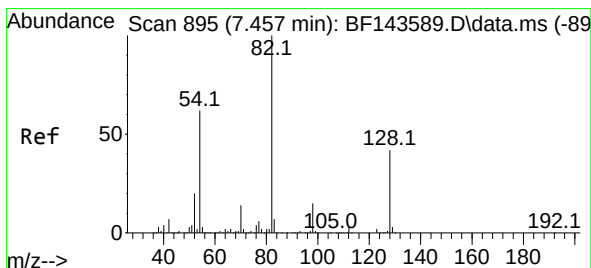
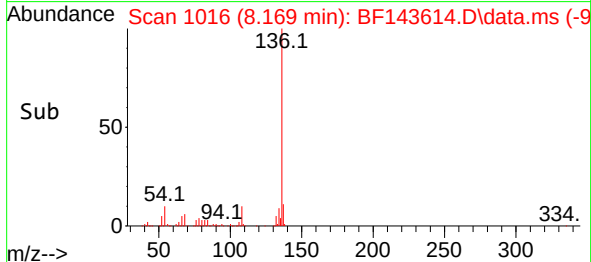
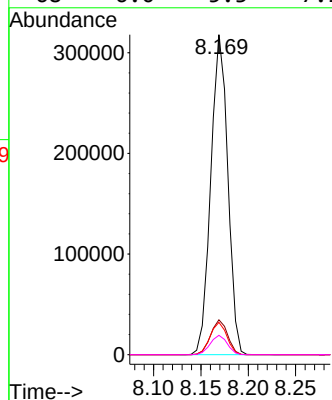
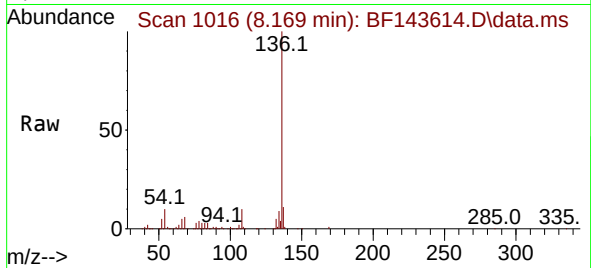




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

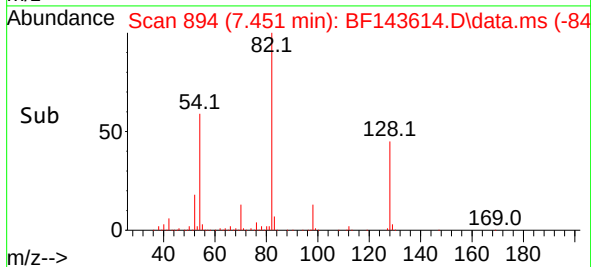
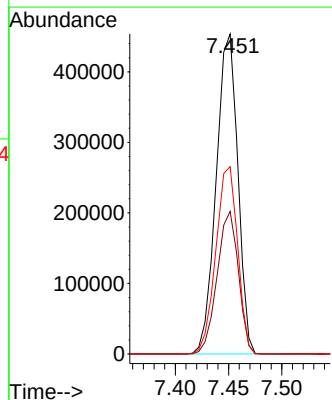
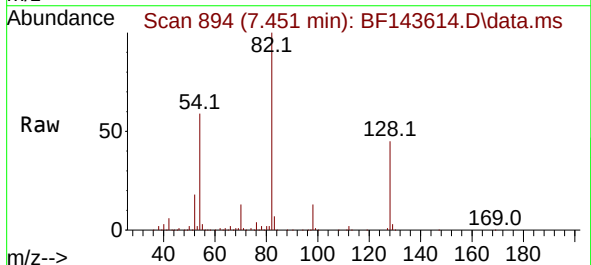
Instrument :
BNA_F
ClientSampleId :
TP12

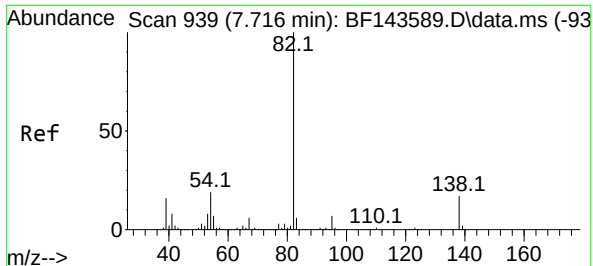
Tgt Ion:	136	Resp:	397301
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	9.0	13.6
68	6.0	5.3	7.9



#23
Nitrobenzene-d5
Concen: 114.842 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:	82	Resp:	639022
Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.4	50.2
54	58.6	49.3	73.9

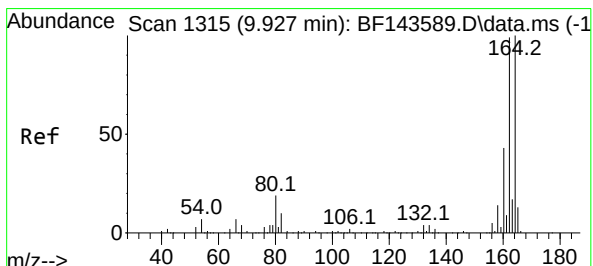
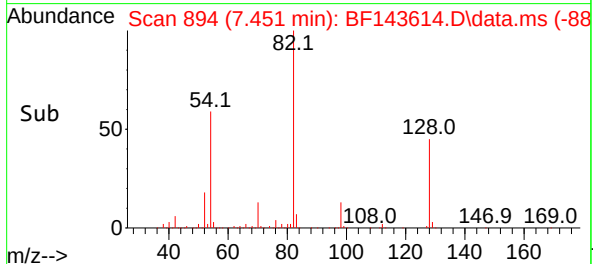
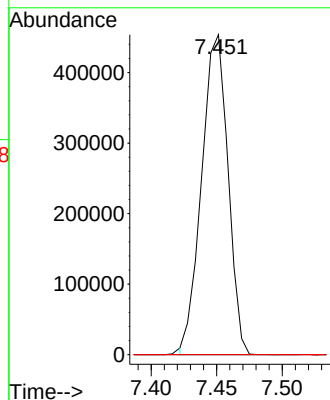
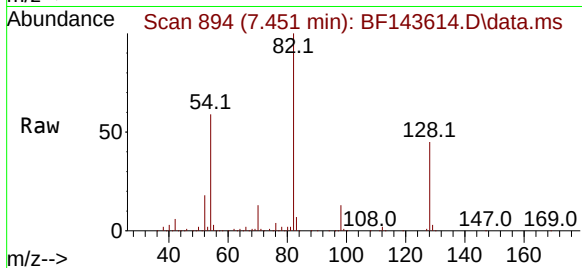




#25
Isophorone
Concen: 48.784 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.264 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

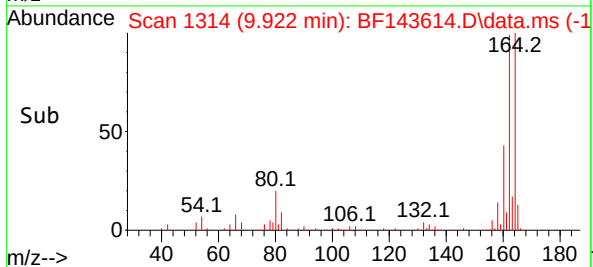
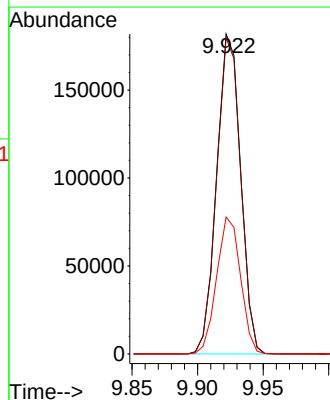
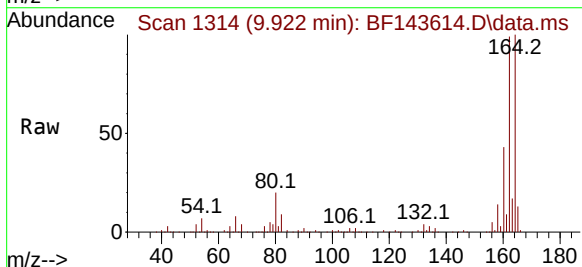
Instrument :
BNA_F
ClientSampleId :
TP12

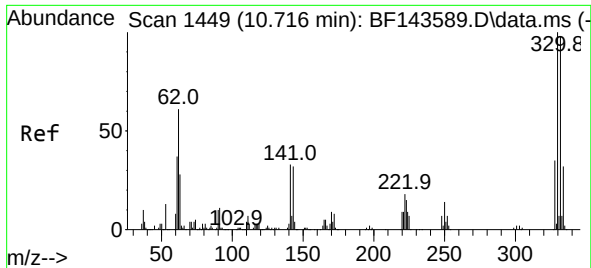
Tgt Ion: 82 Resp: 635244
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:164 Resp: 231375
Ion Ratio Lower Upper
164 100
162 98.8 79.5 119.3
160 42.8 34.2 51.4

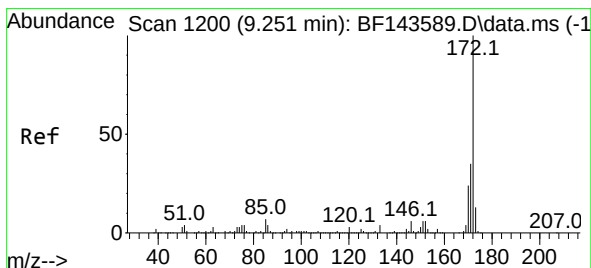
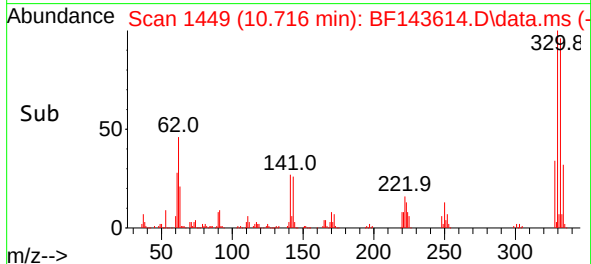
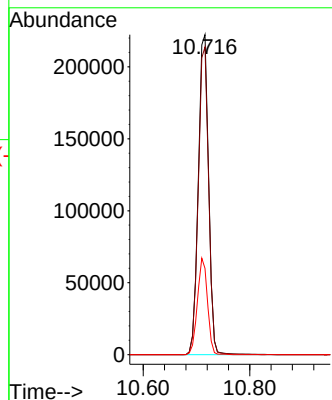
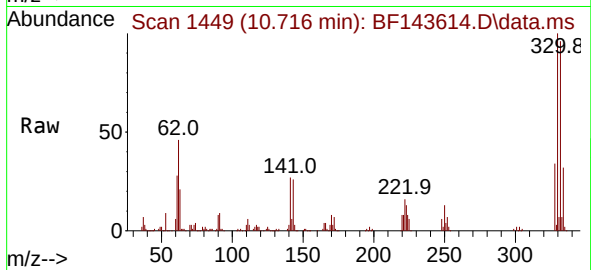




#42
2,4,6-Tribromophenol
Concen: 165.375 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

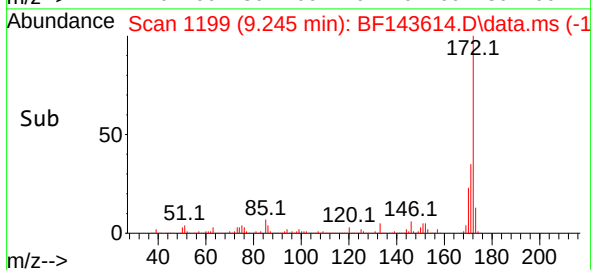
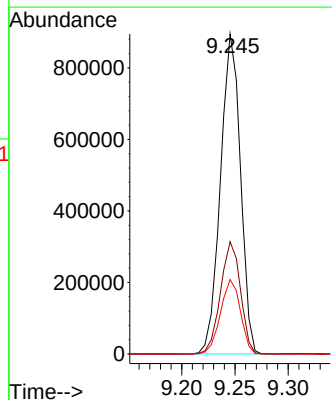
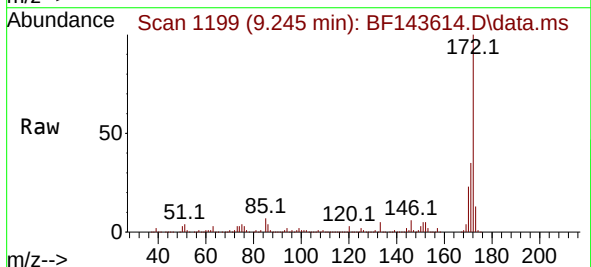
Instrument :
BNA_F
ClientSampleId :
TP12

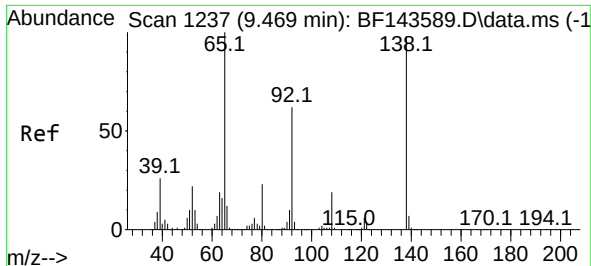
Tgt Ion:330 Resp: 299229
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.4
141 29.5 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 86.111 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:172 Resp: 1165309
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.3 19.0 28.4

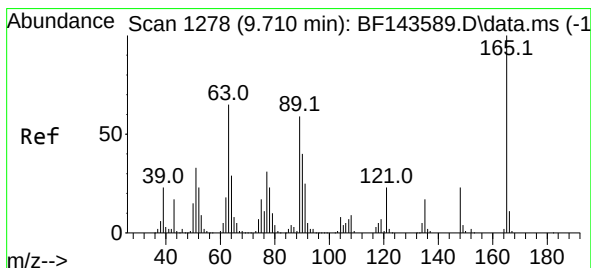
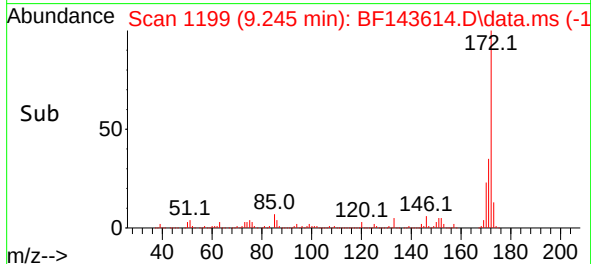
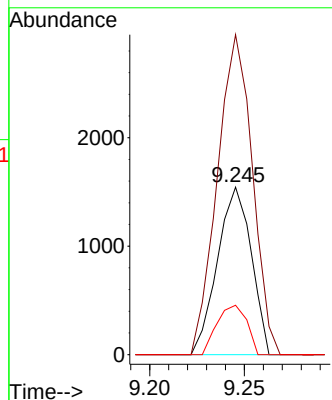
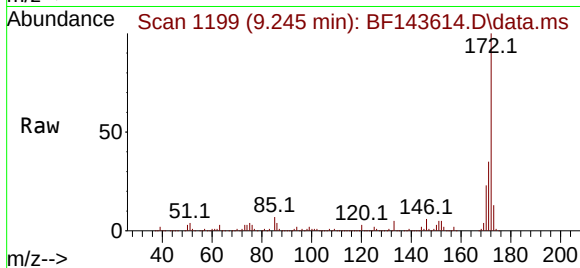




#48
2-Nitroaniline
Concen: 4.800 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

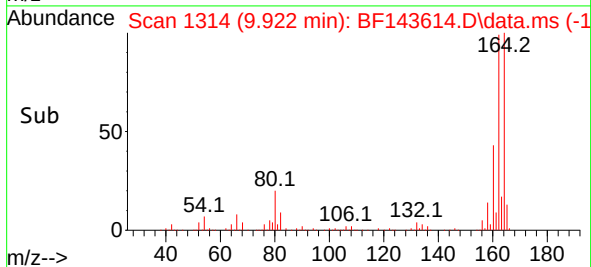
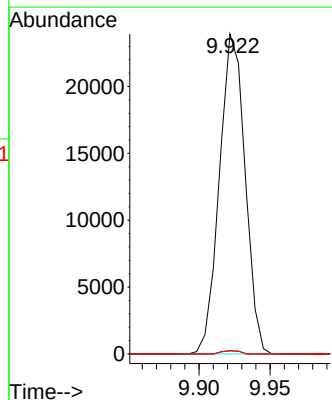
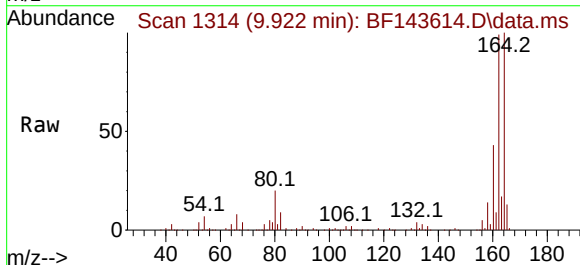
Instrument :
BNA_F
ClientSampleId :
TP12

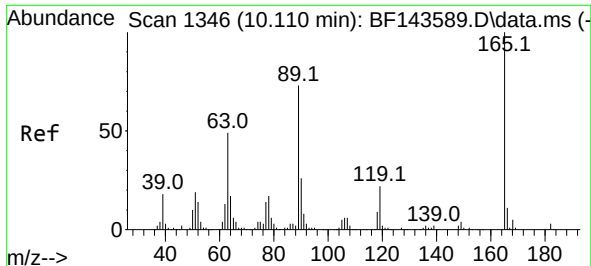
Tgt Ion: 65 Resp: 1915
Ion Ratio Lower Upper
65 100
92 191.1 49.6 74.4#
138 29.5 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 16.103 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:165 Resp: 30056
Ion Ratio Lower Upper
165 100
63 1.0 51.8 77.6#
89 1.0 47.4 71.2#

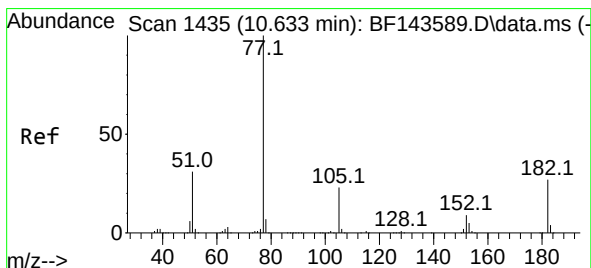
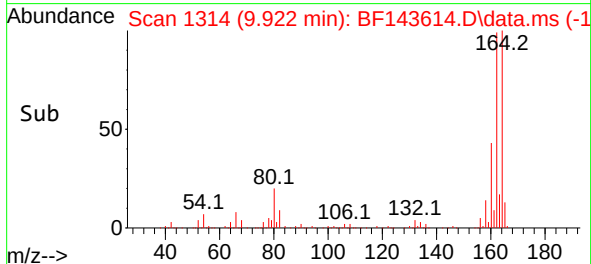
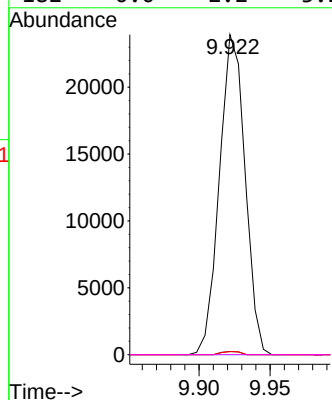
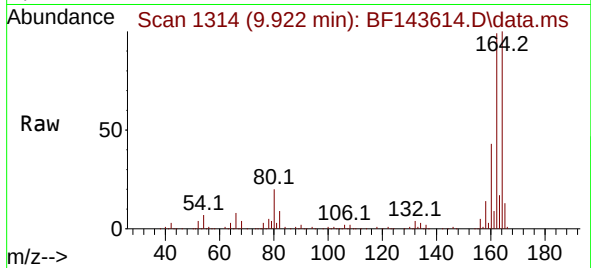




#57
2,4-Dinitrotoluene
Concen: 13.461 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

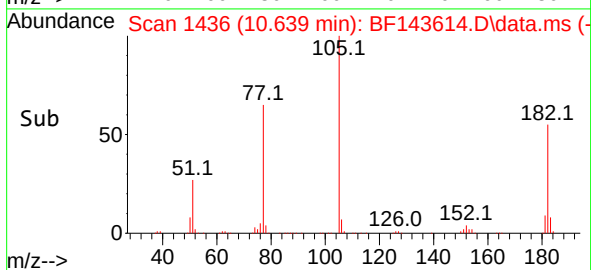
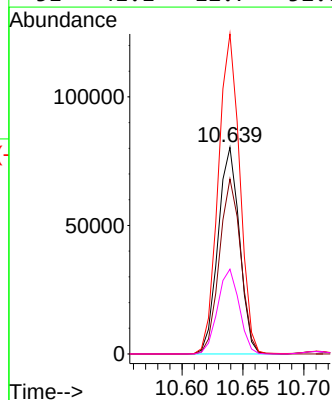
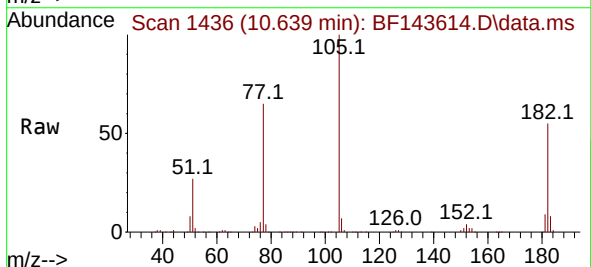
Instrument :
BNA_F
ClientSampleId :
TP12

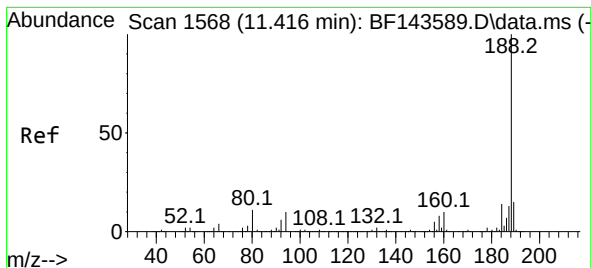
Tgt Ion:165 Resp: 30056
Ion Ratio Lower Upper
165 100
63 1.0 39.5 59.3#
89 1.0 58.1 87.1#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 7.299 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 77 Resp: 98701
Ion Ratio Lower Upper
77 100
182 84.7 6.3 46.3#
105 154.9 2.4 42.4#
51 41.1 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: BF143614.D

Acq: 28 Aug 2025 17:14

Instrument :

BNA_F

ClientSampleId :

TP12

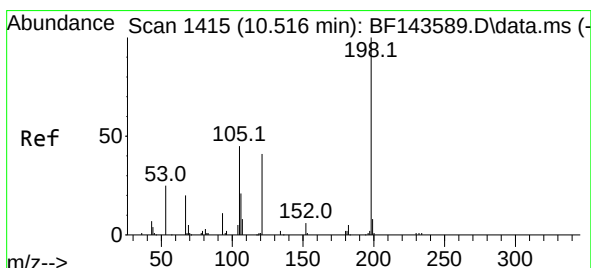
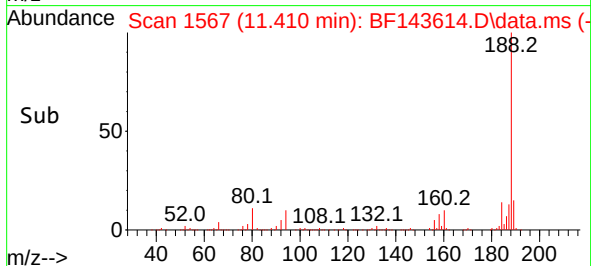
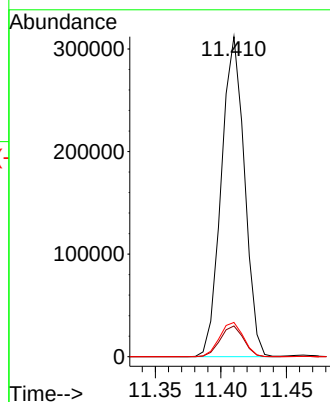
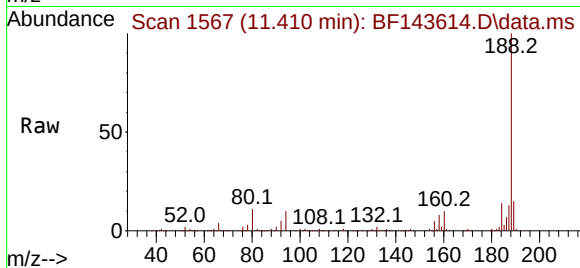
Tgt Ion:188 Resp: 383302

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.4

80 10.7 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.196 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143614.D

Acq: 28 Aug 2025 17:14

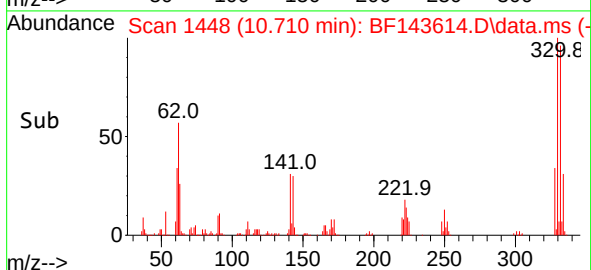
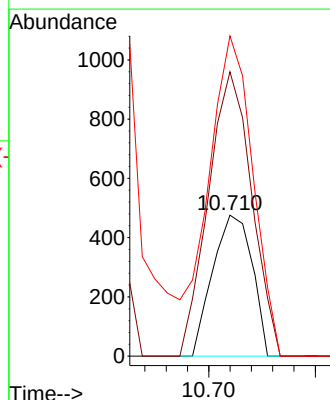
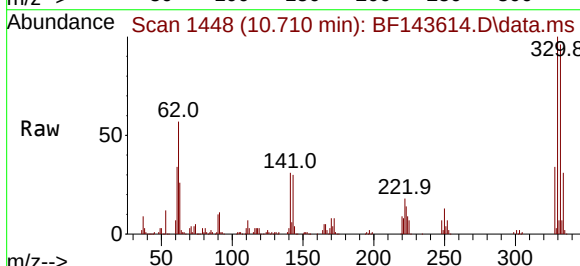
Tgt Ion:198 Resp: 613

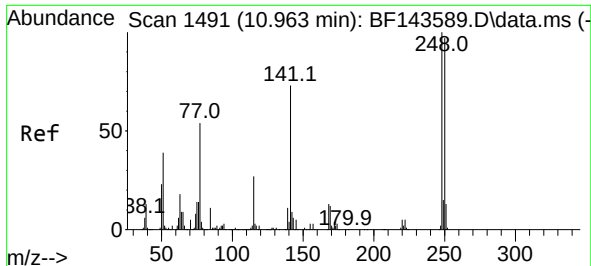
Ion Ratio Lower Upper

198 100

51 201.7 41.5 81.5#

105 227.1 28.2 68.2#

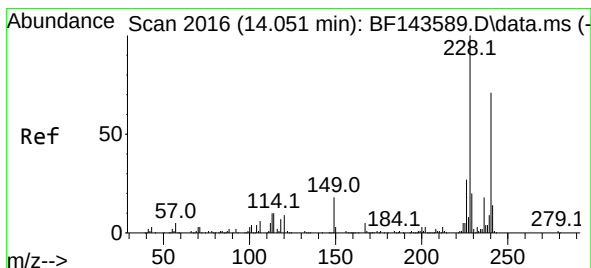
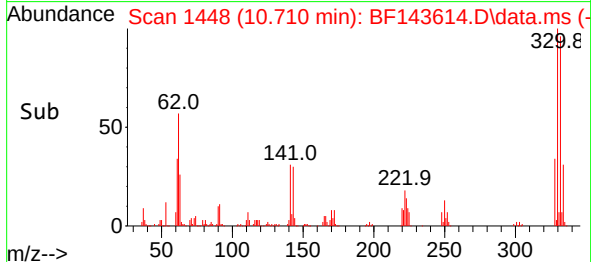
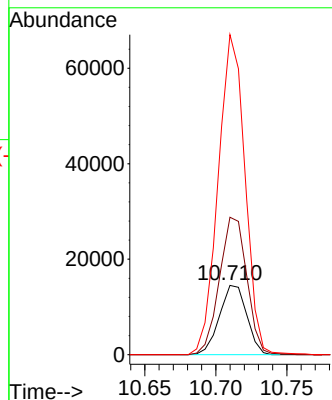
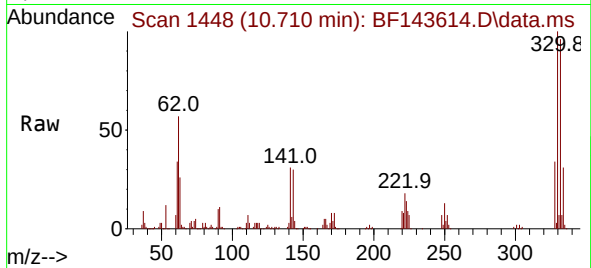




#67
4-Bromophenyl-phenylether
Concen: 4.691 ng
RT: 10.710 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

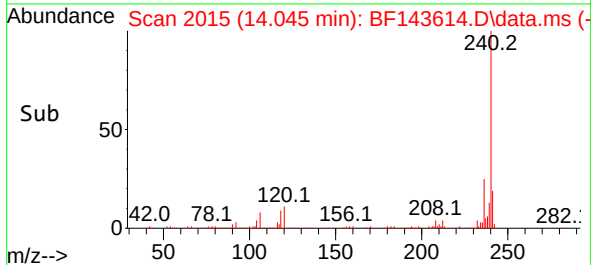
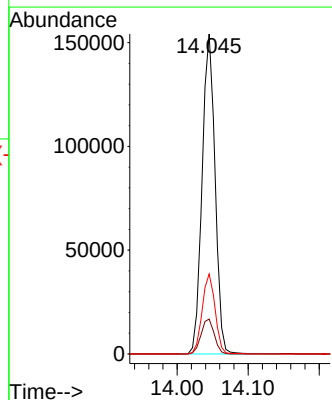
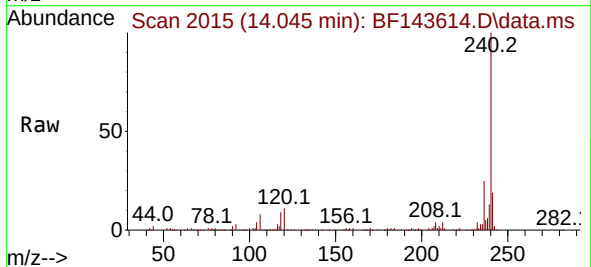
Instrument :
BNA_F
ClientSampleId :
TP12

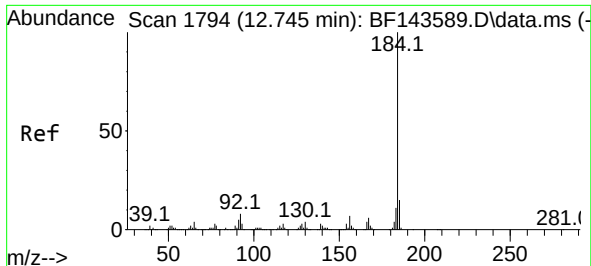
Tgt Ion:248 Resp: 19449
Ion Ratio Lower Upper
248 100
250 198.3 77.8 116.6#
141 461.7 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:240 Resp: 195925
Ion Ratio Lower Upper
240 100
120 10.9 9.6 14.4
236 25.0 20.2 30.2

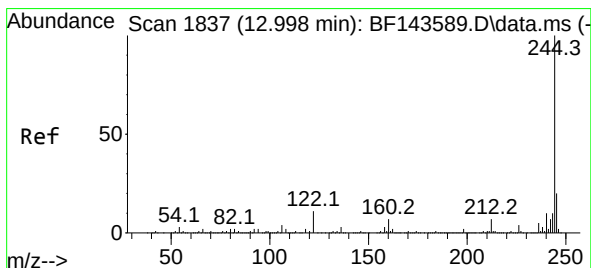
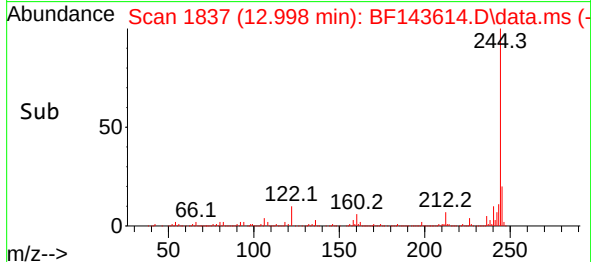
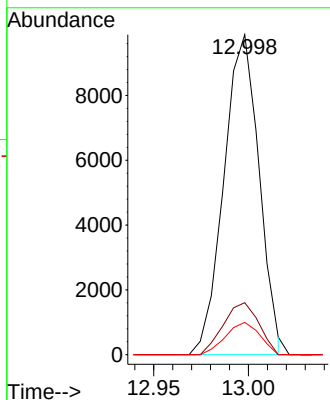
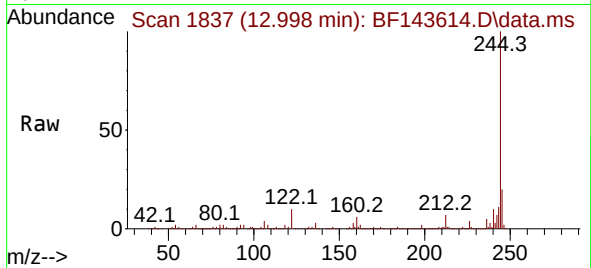




#77
Benzidine
Concen: 2.827 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

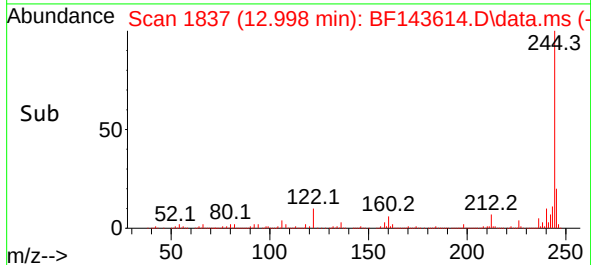
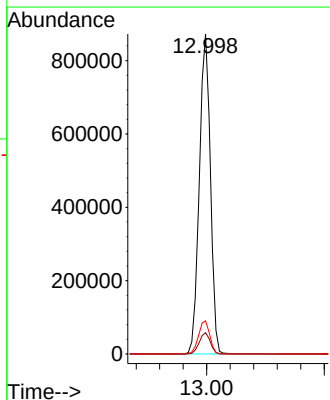
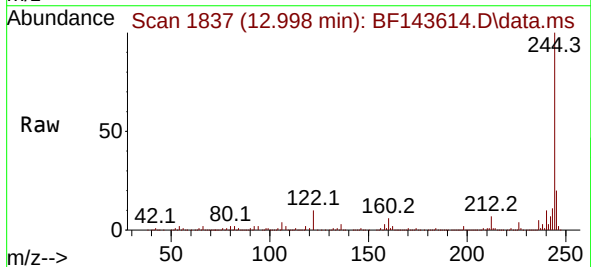
Instrument :
BNA_F
ClientSampleId :
TP12

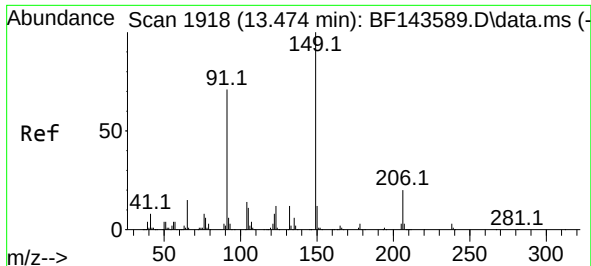
Tgt Ion:184 Resp: 12754
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.6
183 10.1 9.1 13.7



#79
Terphenyl-d14
Concen: 104.565 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:244 Resp: 1141662
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 10.3 8.8 13.2

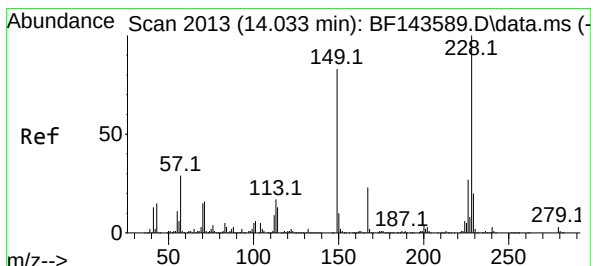
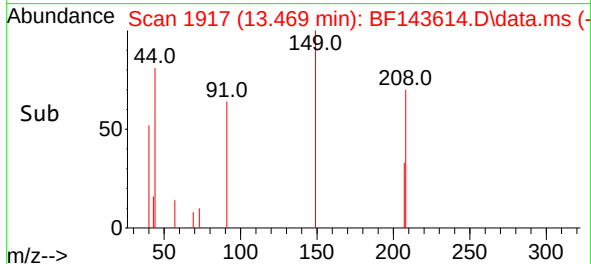
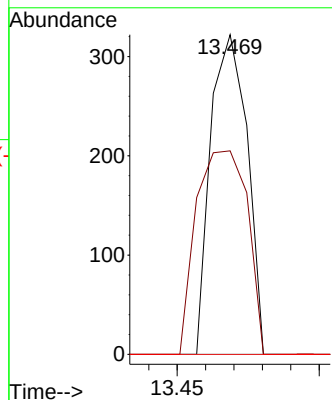
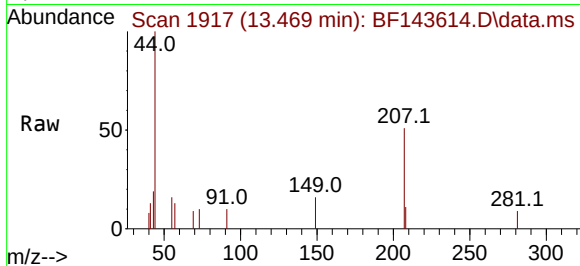




#80
 Butylbenzylphthalate
 Concen: 3.725 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. -0.005 min
 Lab File: BF143614.D
 Acq: 28 Aug 2025 17:14

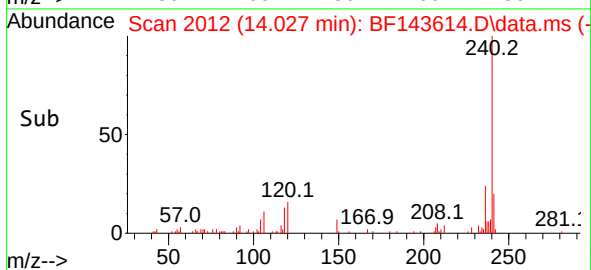
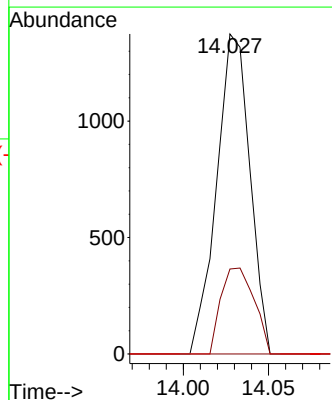
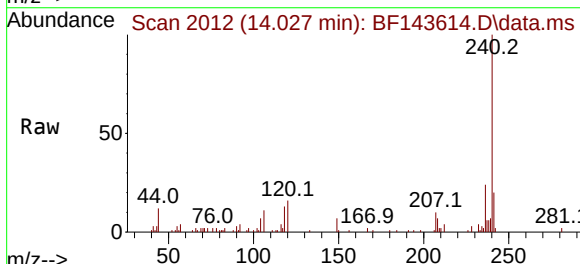
Instrument :
 BNA_F
 ClientSampleId :
 TP12

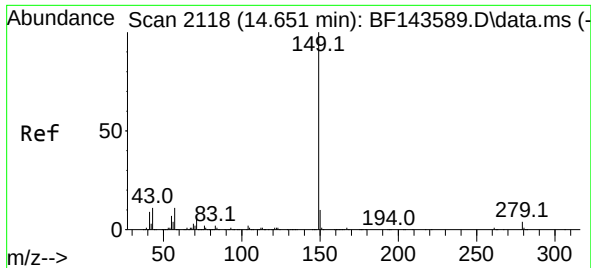
Tgt Ion:149 Resp: 288
 Ion Ratio Lower Upper
 149 100
 91 63.7 56.8 85.2
 206 0.0 16.2 24.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.528 ng
 RT: 14.027 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF143614.D
 Acq: 28 Aug 2025 17:14

Tgt Ion:149 Resp: 1864
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.8 32.8
 279 0.0 2.9 4.3#

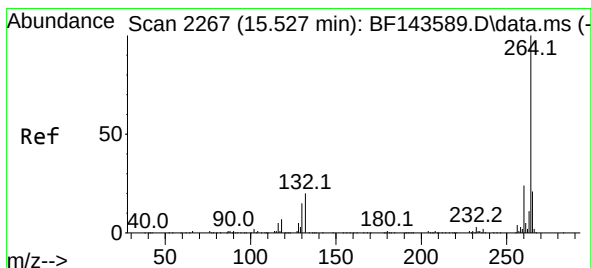
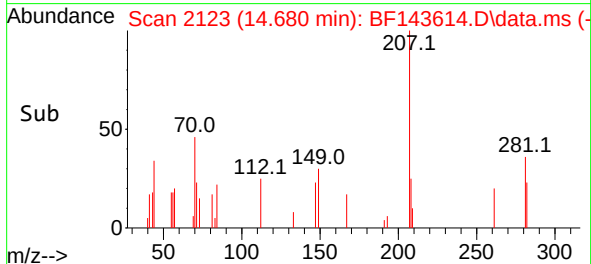
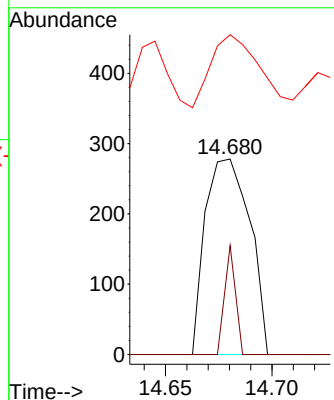
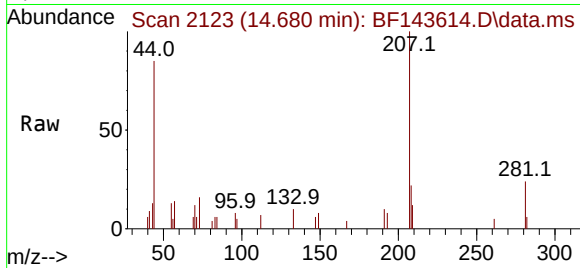




#85
Di-n-octyl phthalate
Concen: 5.899 ng
RT: 14.680 min Scan# 2118
Delta R.T. 0.029 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Instrument :
BNA_F
ClientSampleId :
TP12

Tgt Ion:149 Resp: 405
Ion Ratio Lower Upper
149 100
167 13.6 1.2 1.8#
43 41.5 9.5 14.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF143614.D
Acq: 28 Aug 2025 17:14

Tgt Ion:264 Resp: 200481
Ion Ratio Lower Upper
264 100
260 22.7 18.9 28.3
265 20.8 17.0 25.4

