

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144213.D
 Acq On : 11 Nov 2025 20:29
 Operator : RC/JU
 Sample : Q3598-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-CONCRETE

Quant Time: Nov 12 03:45:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

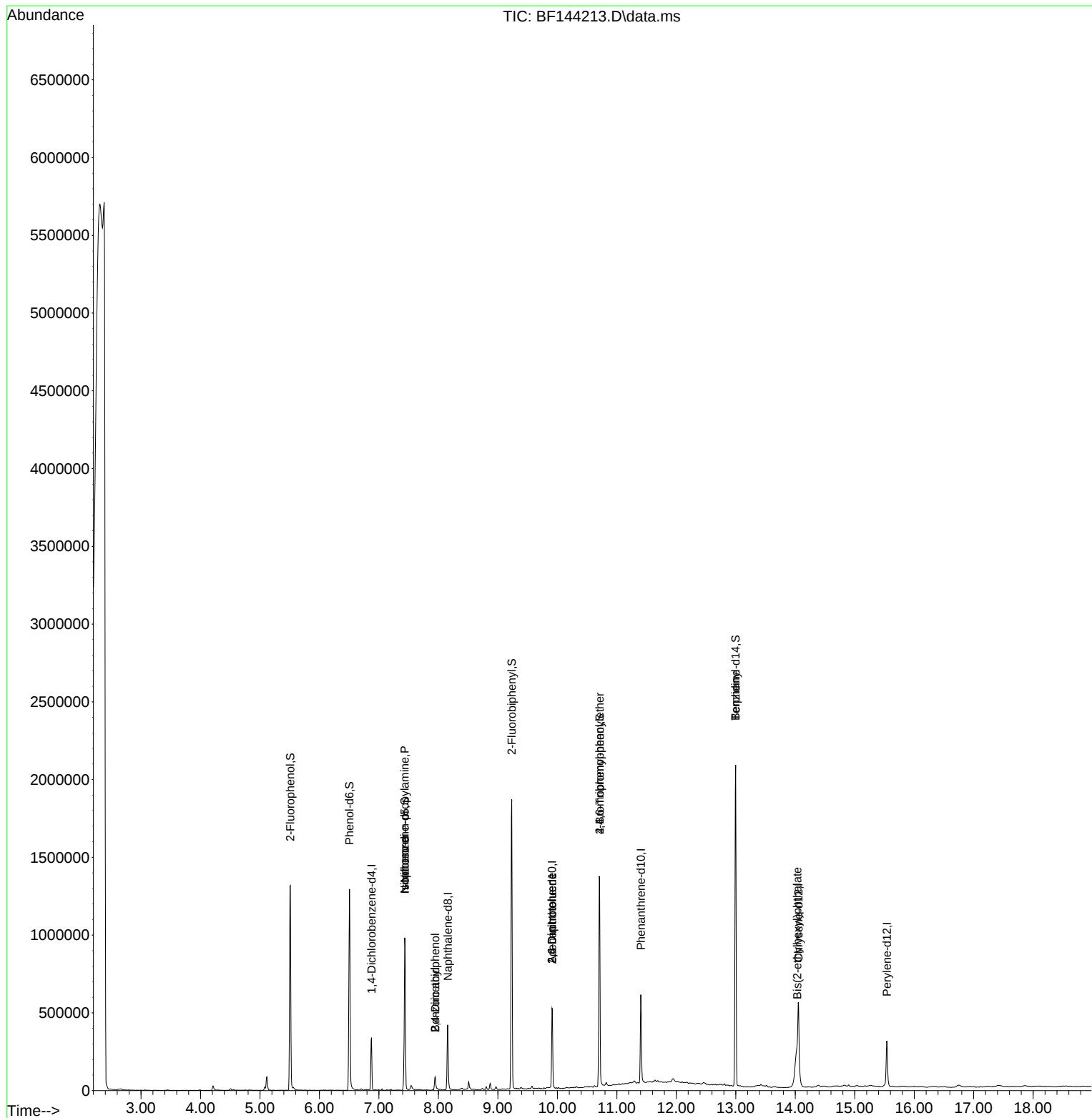
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71793	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	279998	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164065	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	303150	20.000	ng	0.00
76) Chrysene-d12	14.057	240	177903	20.000	ng	0.00
86) Perylene-d12	15.539	264	191594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	525547	114.554	ng	0.02
7) Phenol-d6	6.504	99	558793	107.495	ng	0.00
23) Nitrobenzene-d5	7.434	82	422249	87.097	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	294709	143.144	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	886035	79.762	ng	0.00
79) Terphenyl-d14	12.998	244	1125794	100.516	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	62742	18.334	ng	# 81
25) Isophorone	7.434	82	422245	46.046	ng	# 67
27) 2,4-Dimethylphenol	7.945	122	30886	7.908	ng	# 84
32) Benzoic acid	7.945	122	30886	10.789	ng	# 14
51) 2,6-Dinitrotoluene	9.910	165	21477	9.761	ng	# 29
57) 2,4-Dinitrotoluene	9.910	165	21477	7.292	ng	# 29
67) 4-Bromophenyl-phenylether	10.710	248	17062	4.409	ng	# 1
77) Benzidine	12.998	184	13498	2.565	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.033	149	18351	2.696	ng	# 83

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

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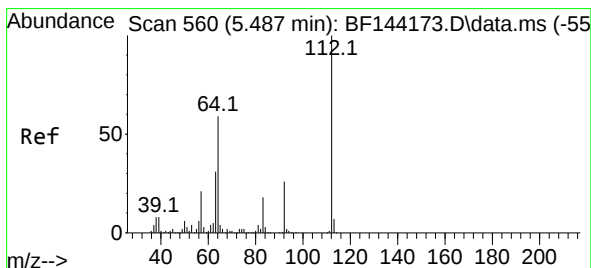
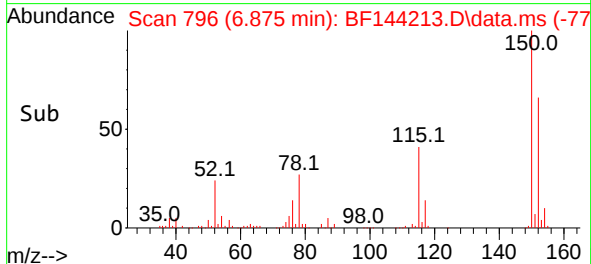
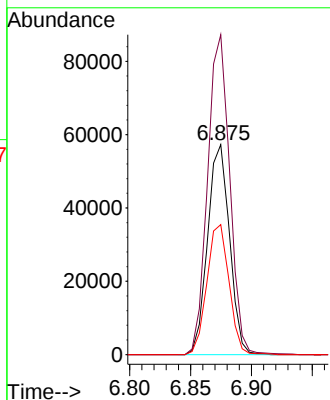
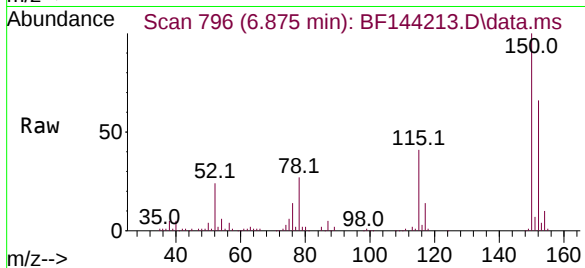




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

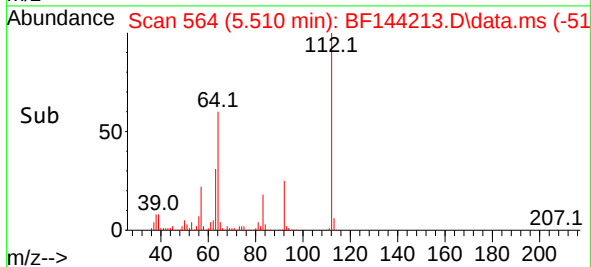
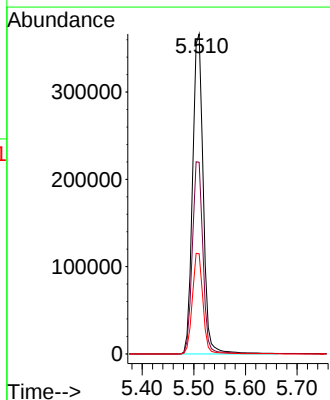
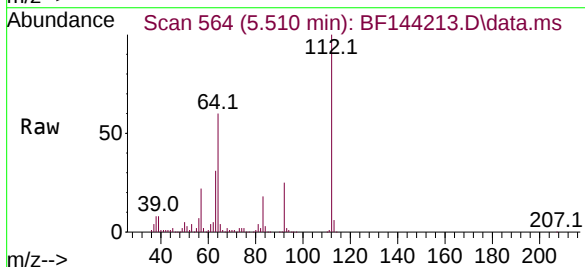
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

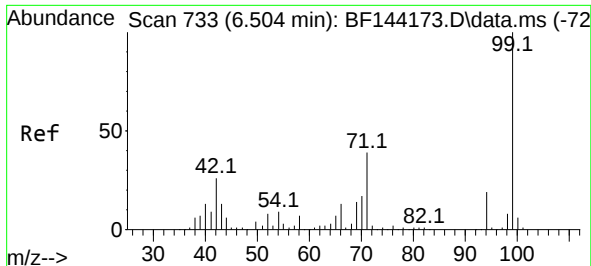
Tgt Ion:152 Resp: 71793
Ion Ratio Lower Upper
152 100
150 152.4 127.4 191.0
115 62.0 49.5 74.3



#5
2-Fluorophenol
Concen: 114.554 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion:112 Resp: 525547
Ion Ratio Lower Upper
112 100
64 59.9 47.2 70.8
63 31.3 24.4 36.6

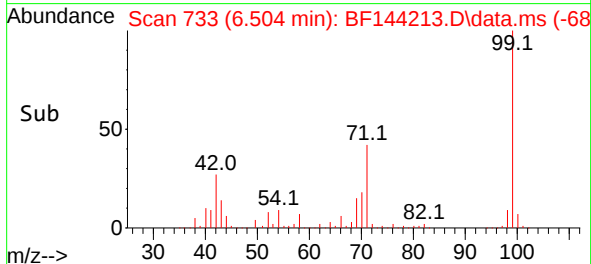
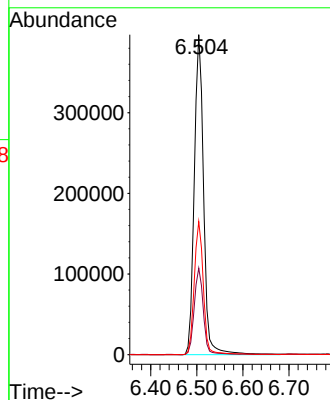
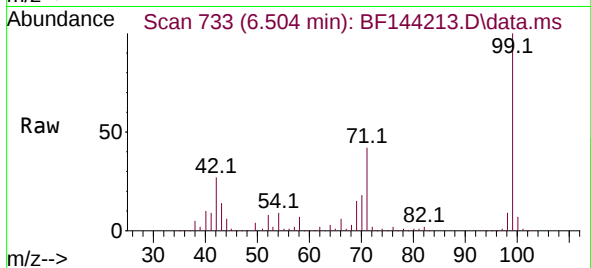




#7
Phenol-d6
Concen: 107.495 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

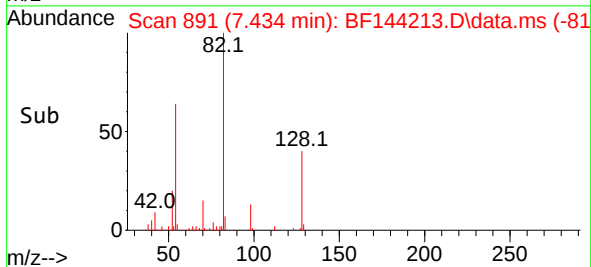
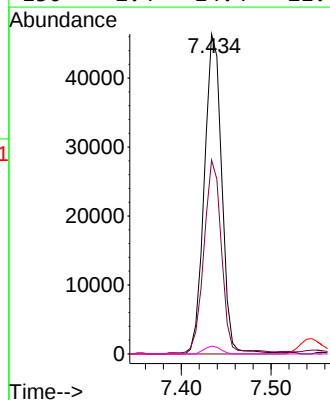
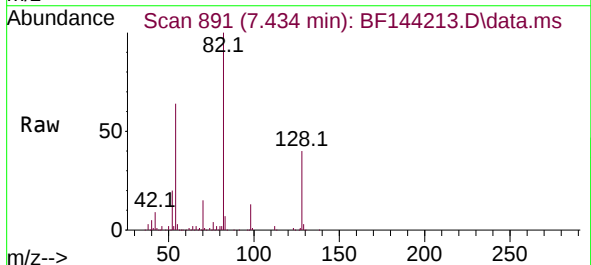
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

Tgt Ion: 99 Resp: 558793
Ion Ratio Lower Upper
99 100
42 27.0 20.9 31.3
71 41.6 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.334 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion: 70 Resp: 62742
Ion Ratio Lower Upper
70 100
42 60.6 58.3 87.5
101 0.0 7.0 10.6#
130 2.4 14.4 21.6#

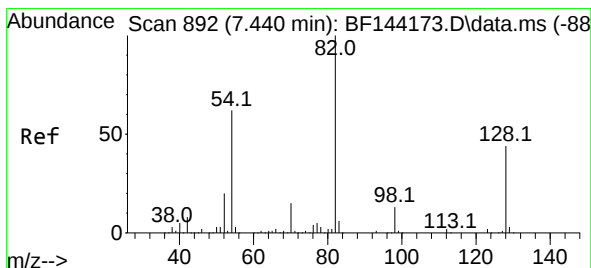
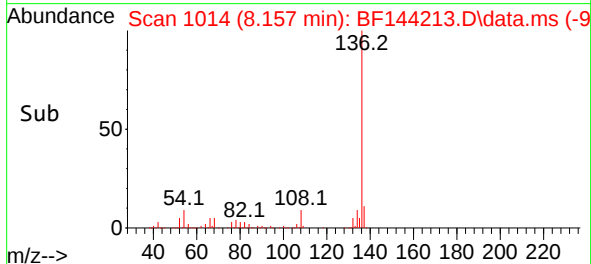
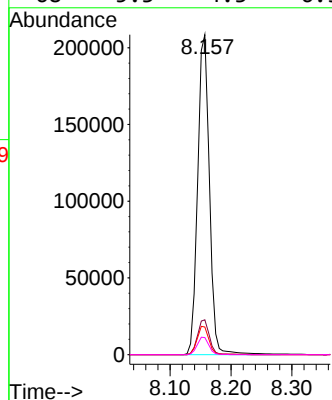
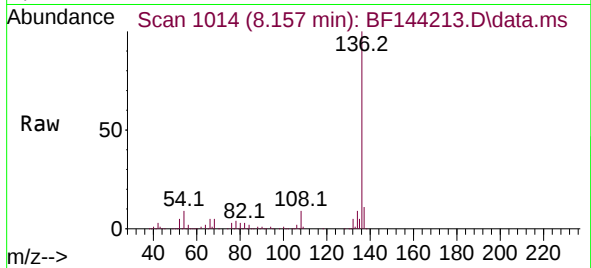




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

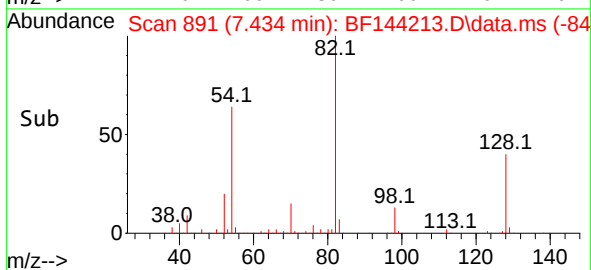
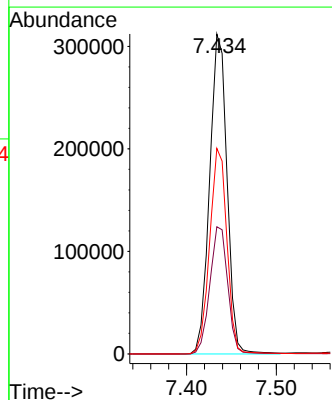
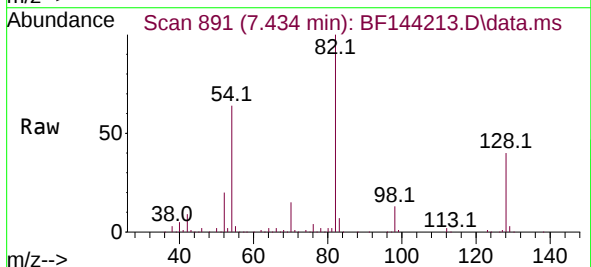
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

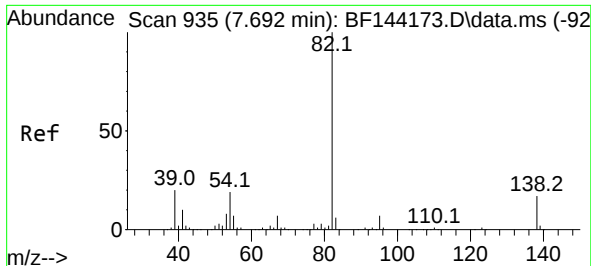
Tgt Ion:	136	Resp:	279998
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	7.0	10.6
68	5.3	4.3	6.5



#23
Nitrobenzene-d5
Concen: 87.097 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion:	82	Resp:	422249
Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.7	52.1
54	64.2	49.5	74.3

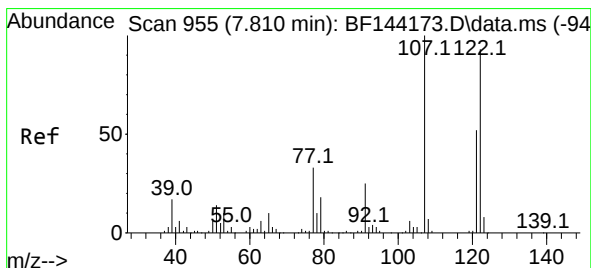
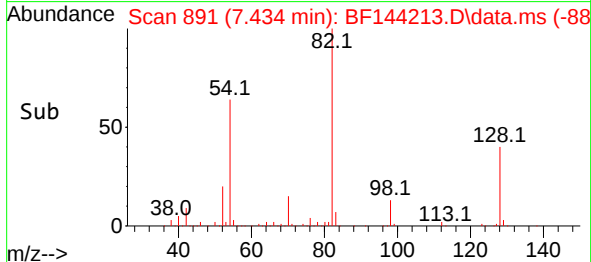
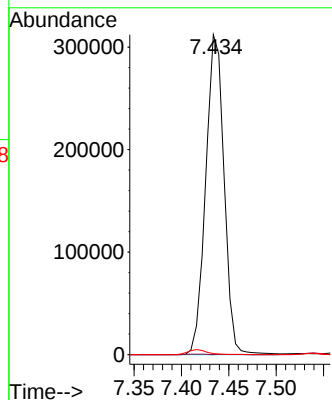
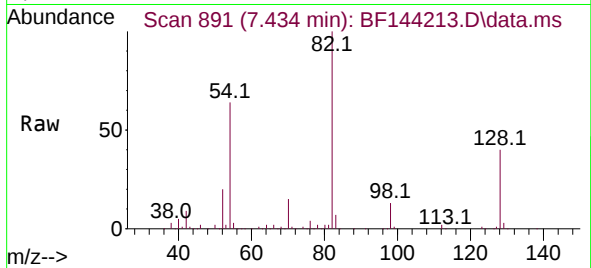




#25
Isophorone
Concen: 46.046 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

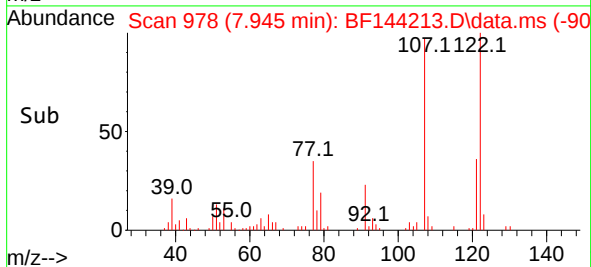
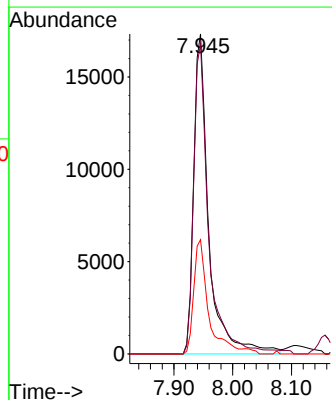
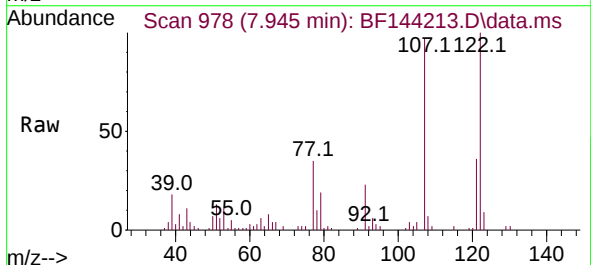
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

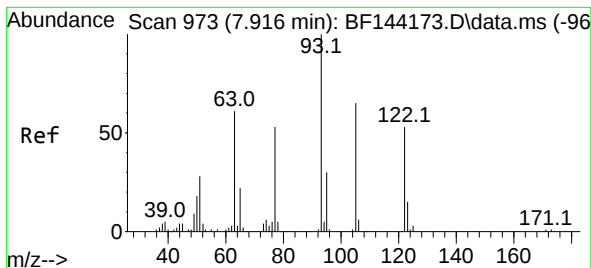
Tgt Ion: 82 Resp: 422245
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.3 13.7 20.5#



#27
2,4-Dimethylphenol
Concen: 7.908 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.141 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion: 122 Resp: 30886
Ion Ratio Lower Upper
122 100
107 96.9 86.2 129.4
121 35.7 44.6 66.8#





#32

Benzoic acid

Concen: 10.789 ng

RT: 7.945 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

Instrument :

BNA_F

ClientSampleId :

EO-CONCRETE

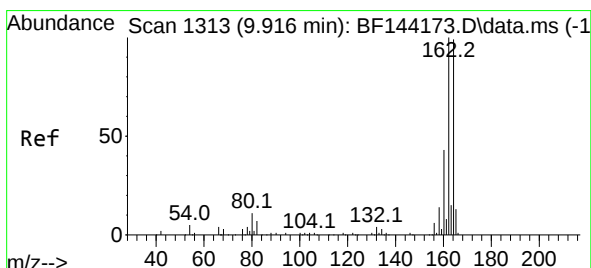
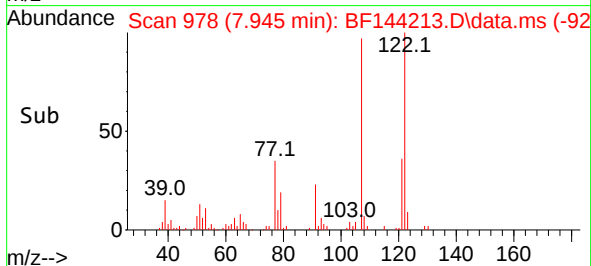
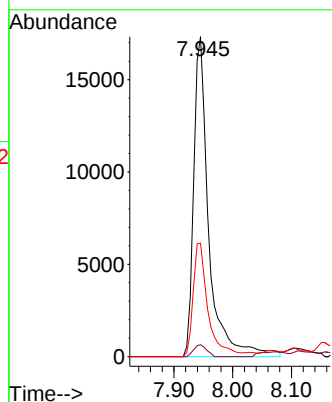
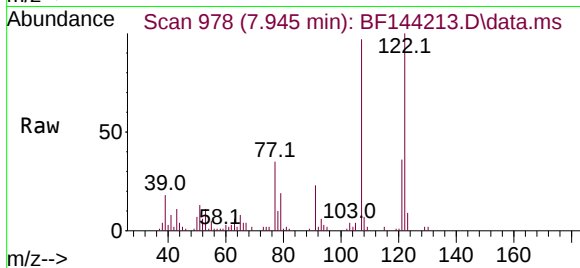
Tgt Ion:122 Resp: 30886

Ion Ratio Lower Upper

122 100

105 3.7 99.9 139.9#

77 35.5 77.5 117.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

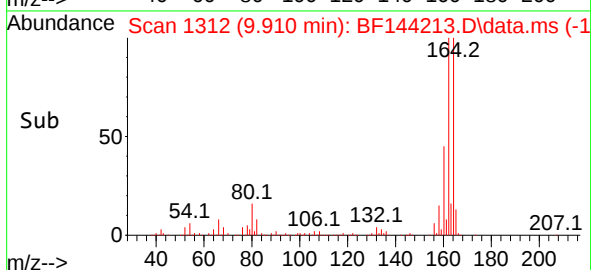
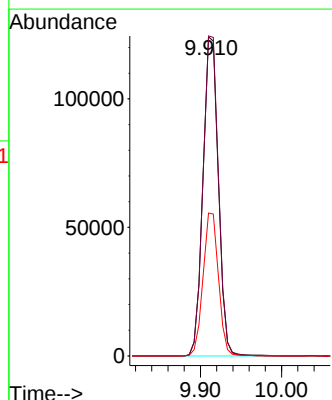
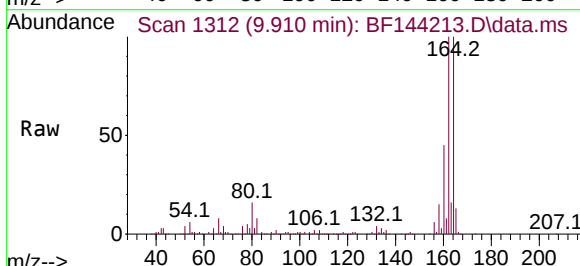
Tgt Ion:164 Resp: 164065

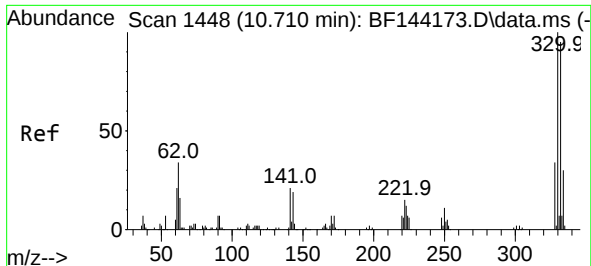
Ion Ratio Lower Upper

164 100

162 100.3 81.1 121.7

160 44.8 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 143.144 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

Instrument :

BNA_F

ClientSampleId :

EO-CONCRETE

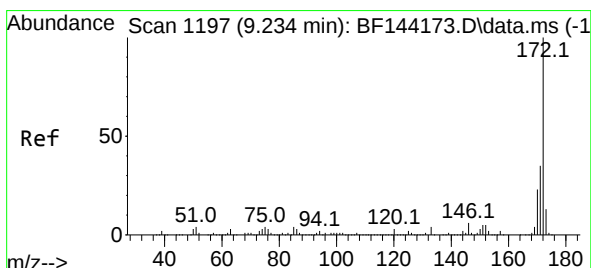
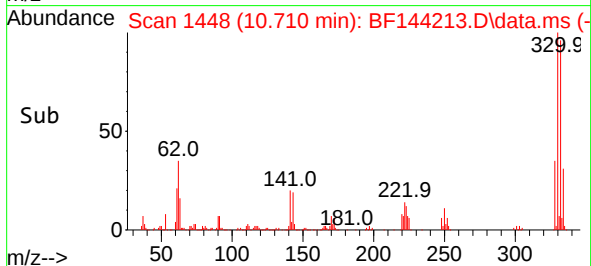
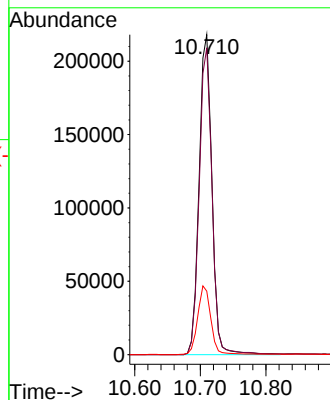
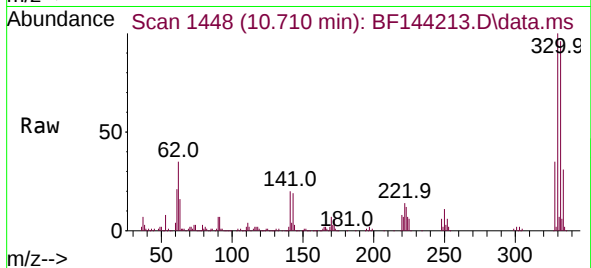
Tgt Ion:330 Resp: 294709

Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 22.3 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 79.762 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

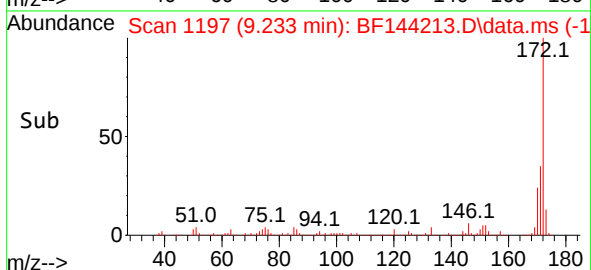
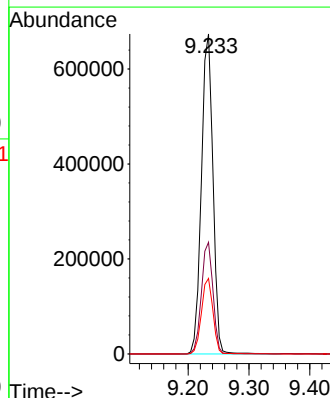
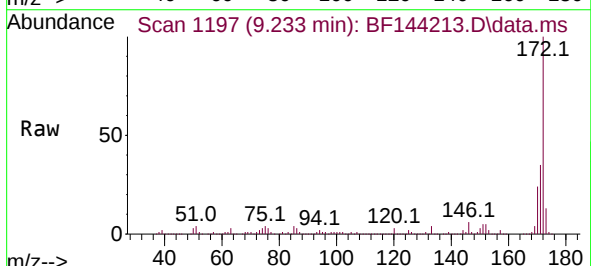
Tgt Ion:172 Resp: 886035

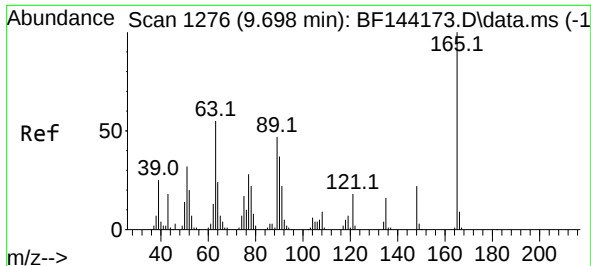
Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.6 18.6 28.0

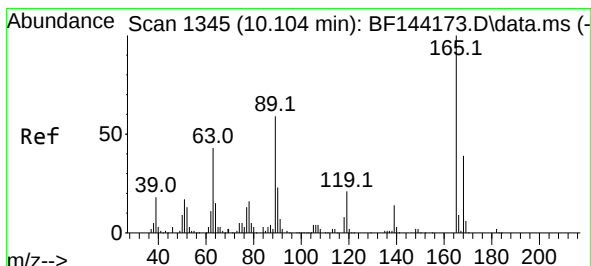
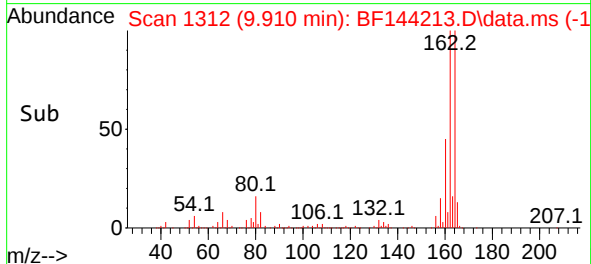
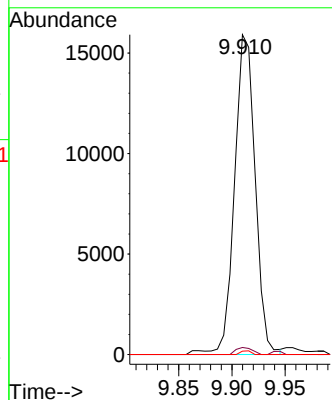
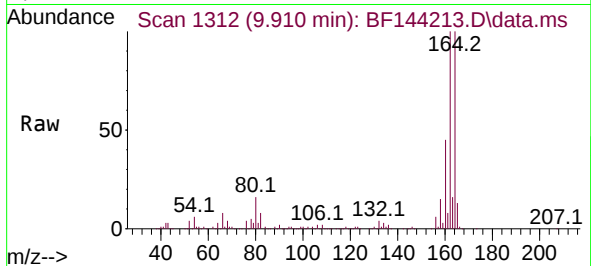




#51
2,6-Dinitrotoluene
Concen: 9.761 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.217 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

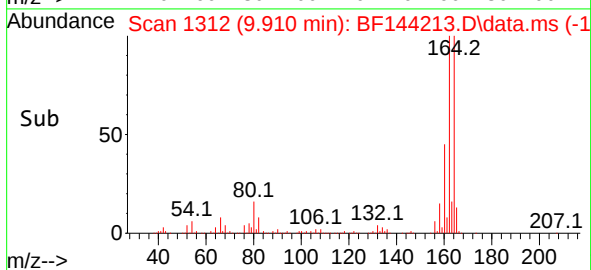
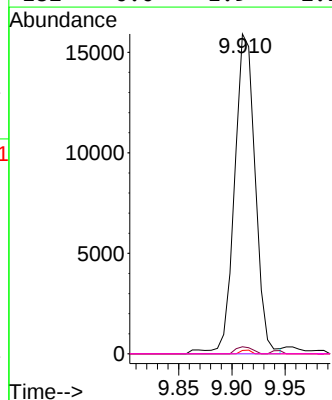
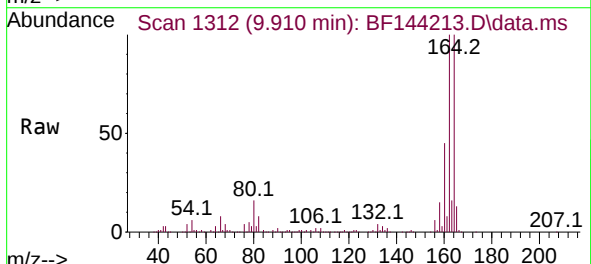
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

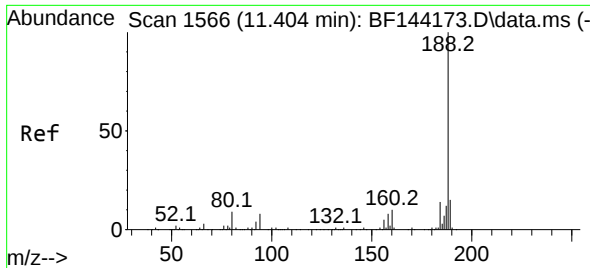
Tgt Ion:165 Resp: 21477
Ion Ratio Lower Upper
165 100
63 2.2 43.8 65.8#
89 1.1 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.292 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion:165 Resp: 21477
Ion Ratio Lower Upper
165 100
63 2.2 35.5 53.3#
89 1.1 47.4 71.2#
182 0.0 1.9 2.9#

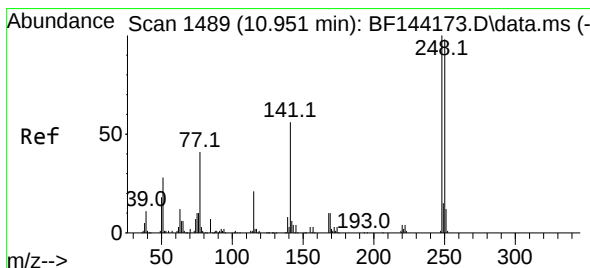
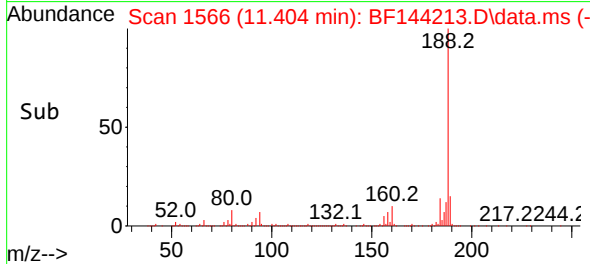
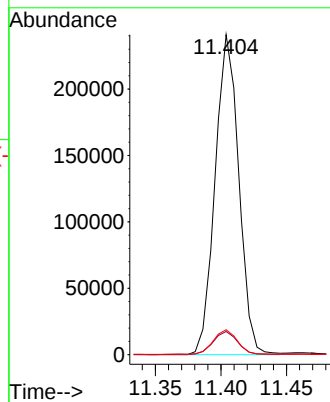
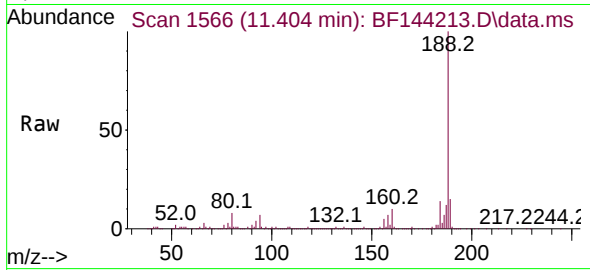




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

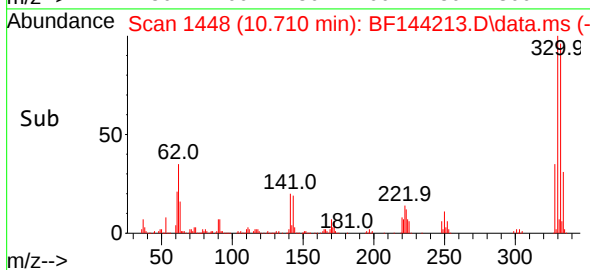
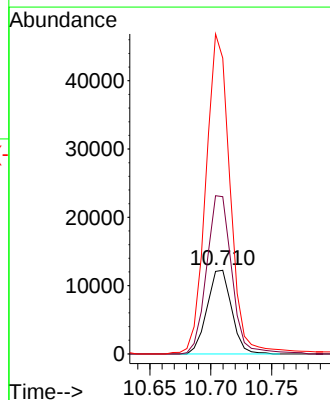
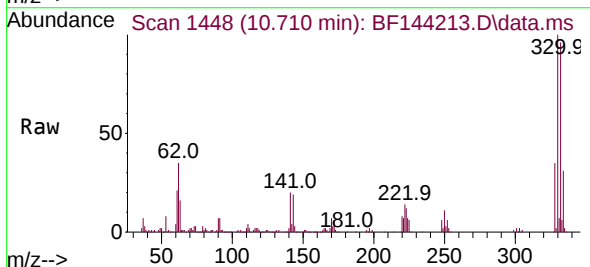
Instrument :
BNA_F
ClientSampleId :
EO-CONCRETE

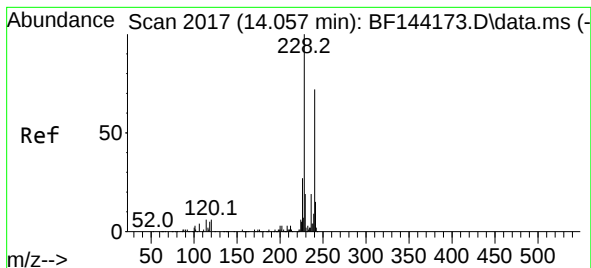
Tgt Ion:188 Resp: 303150
Ion Ratio Lower Upper
188 100
94 7.2 6.2 9.2
80 7.8 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.409 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.235 min
Lab File: BF144213.D
Acq: 11 Nov 2025 20:29

Tgt Ion:248 Resp: 17062
Ion Ratio Lower Upper
248 100
250 188.1 78.4 117.6#
141 354.0 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

Instrument :

BNA_F

ClientSampleId :

EO-CONCRETE

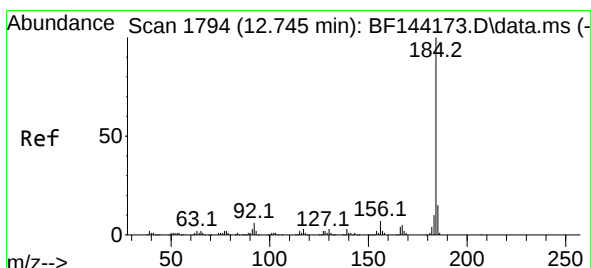
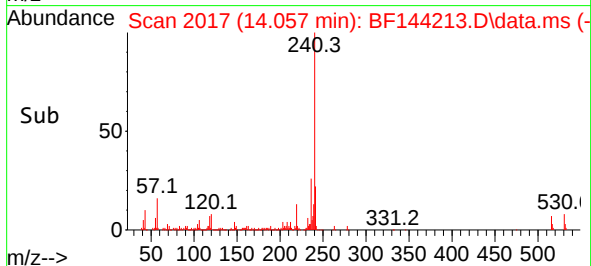
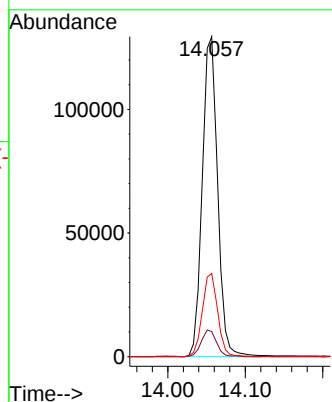
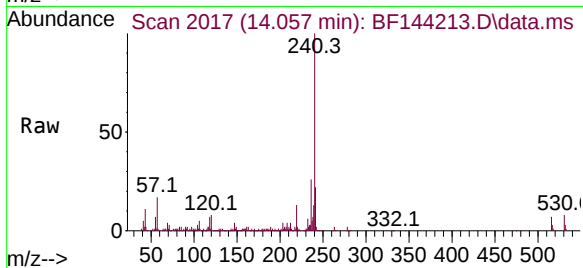
Tgt Ion:240 Resp: 177903

Ion Ratio Lower Upper

240 100

120 7.8 6.6 10.0

236 26.0 21.4 32.2



#77

Benzidine

Concen: 2.565 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144213.D

Acq: 11 Nov 2025 20:29

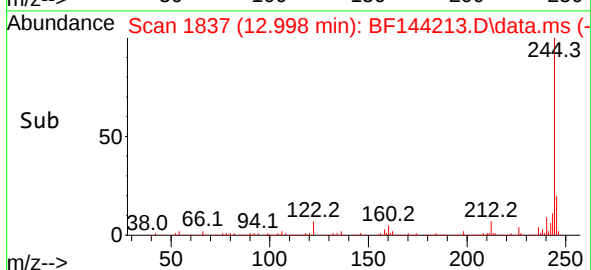
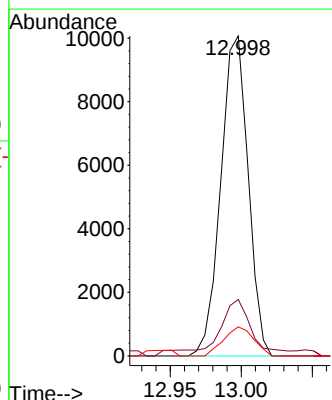
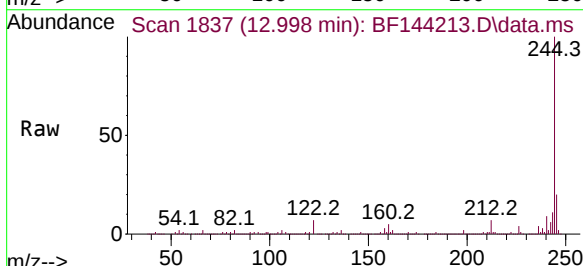
Tgt Ion:184 Resp: 13498

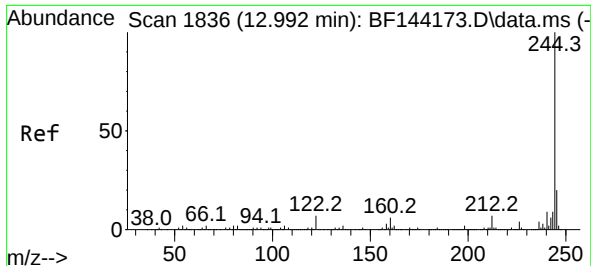
Ion Ratio Lower Upper

184 100

185 17.6 11.7 17.5#

183 9.1 8.3 12.5

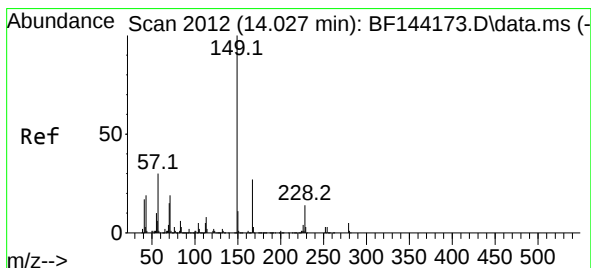
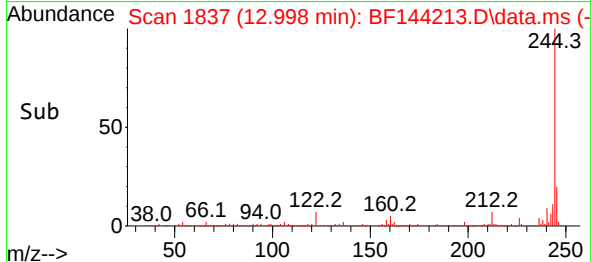
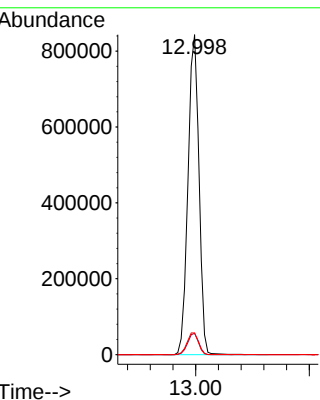
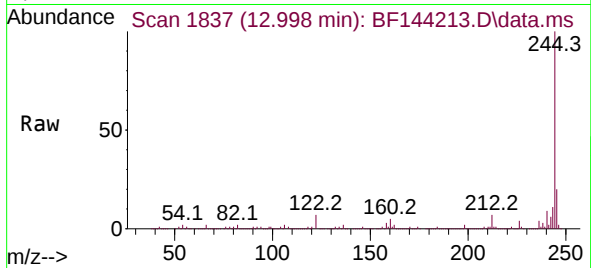




#79
 Terphenyl-d14
 Concen: 100.516 ng
 RT: 12.998 min Scan# 1836
 Delta R.T. 0.006 min
 Lab File: BF144213.D
 Acq: 11 Nov 2025 20:29

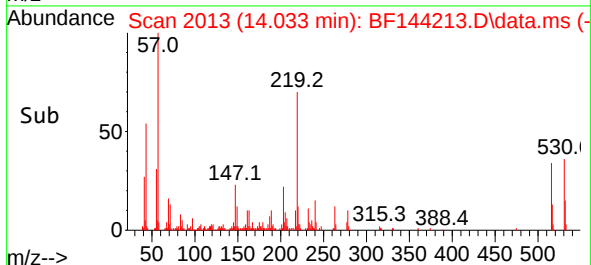
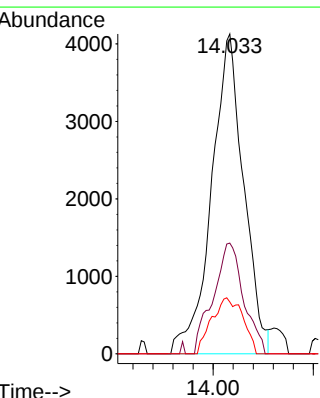
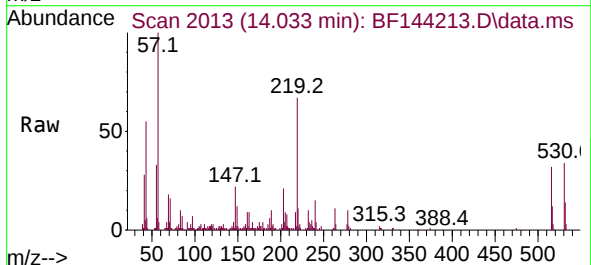
Instrument :
 BNA_F
 ClientSampleId :
 EO-CONCRETE

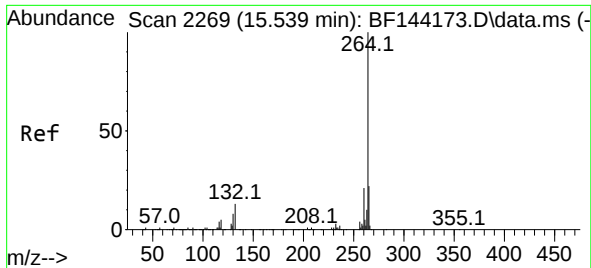
Tgt Ion:244 Resp: 1125794
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 6.8 5.6 8.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.696 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: BF144213.D
 Acq: 11 Nov 2025 20:29

Tgt Ion:149 Resp: 18351
 Ion Ratio Lower Upper
 149 100
 167 34.6 21.8 32.8#
 279 16.2 3.7 5.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF144213.D
 Acq: 11 Nov 2025 20:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-CONCRETE

Tgt Ion:264 Resp: 191594
 Ion Ratio Lower Upper
 264 100
 260 21.8 17.1 25.7
 265 20.7 17.4 26.0

