

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143379.D
 Acq On : 14 Aug 2025 13:55
 Operator : RC/JU
 Sample : Q2814-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-84SB-E

Quant Time: Aug 14 14:16:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

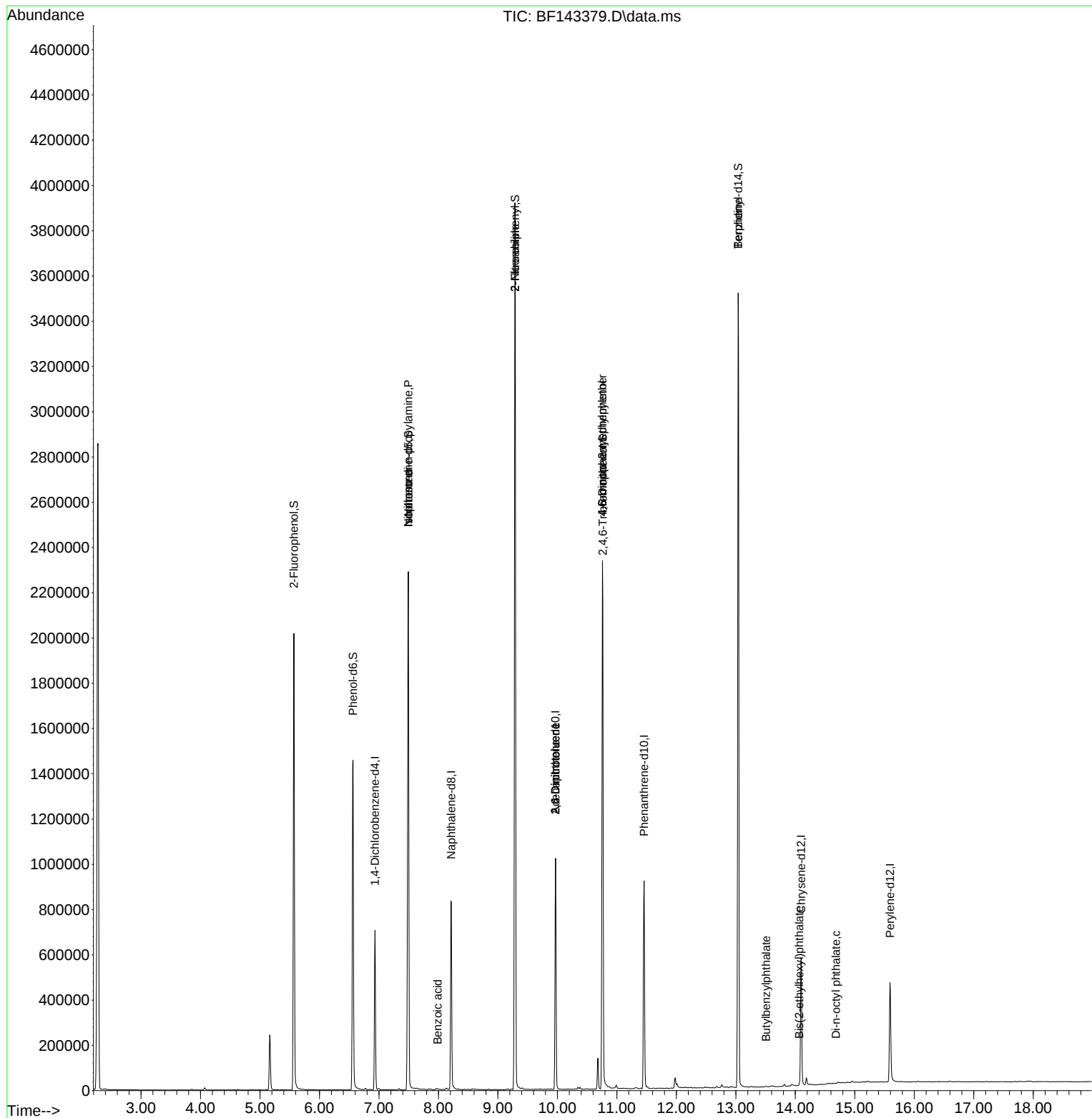
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	145977	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	555514	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	299536	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	474946	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287392	20.000	ng	0.00
86) Perylene-d12	15.592	264	273915	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	725246	85.913	ng	0.00
7) Phenol-d6	6.563	99	686745	63.439	ng	0.00
23) Nitrobenzene-d5	7.492	82	1048688	117.559	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	444168	202.902	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1823076	103.209	ng	0.00
79) Terphenyl-d14	13.039	244	1796599	111.608	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.492	70	143622	21.472	ng	# 79
25) Isophorone	7.492	82	1017012	55.847	ng	# 65
32) Benzoic acid	7.986	122	1029	3.842	ng	94
48) 2-Nitroaniline	9.286	65	3378	3.427	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	38598	13.897	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	38598	11.245	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	819	7.623	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	27681	5.096	ng	# 1
77) Benzidine	13.039	184	21038	2.678	ng	# 96
80) Butylbenzylphthalate	13.510	149	769	3.501	ng	90
84) Bis(2-ethylhexyl)phtha...	14.068	149	4423	4.568	ng	# 94
85) Di-n-octyl phthalate	14.686	149	255	6.041	ng	# 70

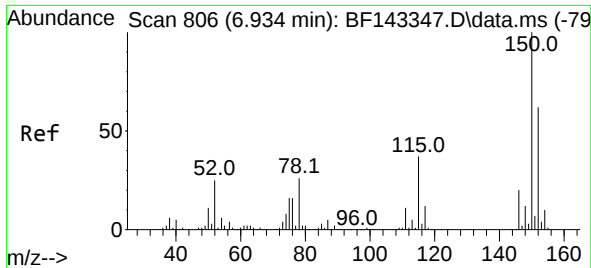
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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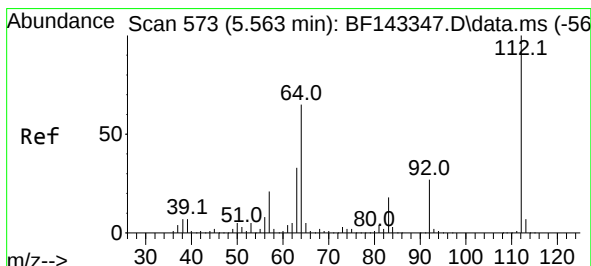
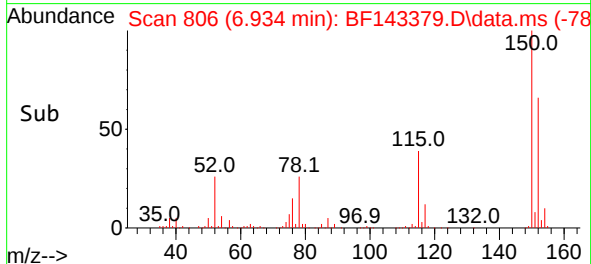
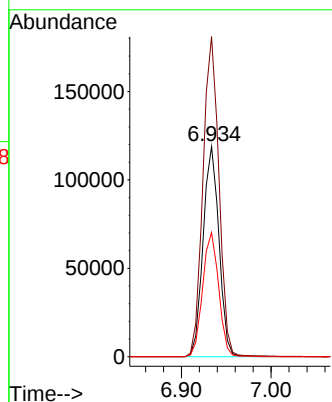
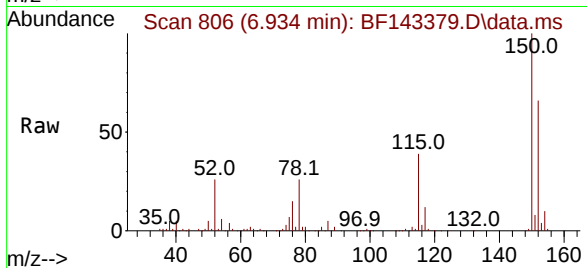




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143379.D
 Acq: 14 Aug 2025 13:55

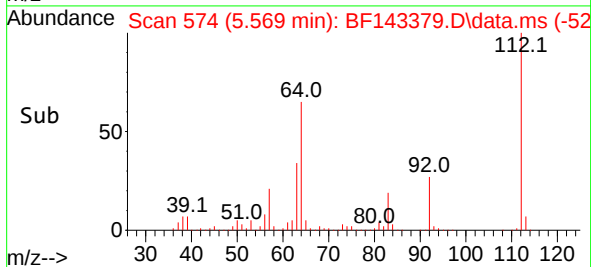
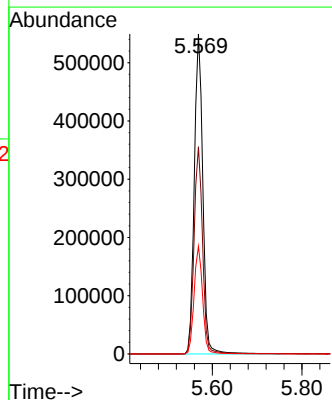
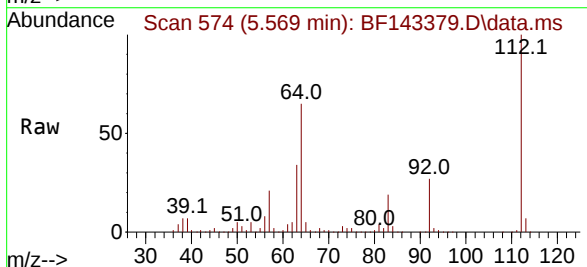
Instrument :
 BNA_F
 ClientSampleId :
 TW-84SB-E

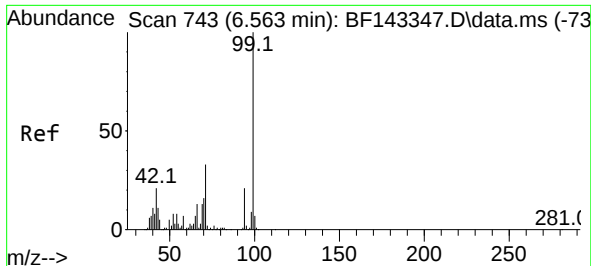
Tgt Ion:152 Resp: 145977
 Ion Ratio Lower Upper
 152 100
 150 152.2 129.8 194.8
 115 59.1 47.8 71.8



#5
 2-Fluorophenol
 Concen: 85.913 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143379.D
 Acq: 14 Aug 2025 13:55

Tgt Ion:112 Resp: 725246
 Ion Ratio Lower Upper
 112 100
 64 64.8 52.1 78.1
 63 33.7 26.6 39.8

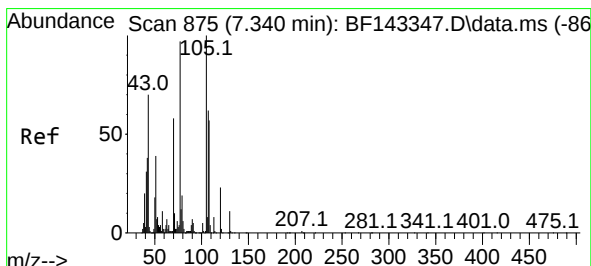
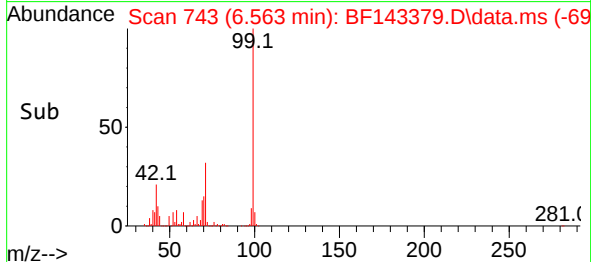
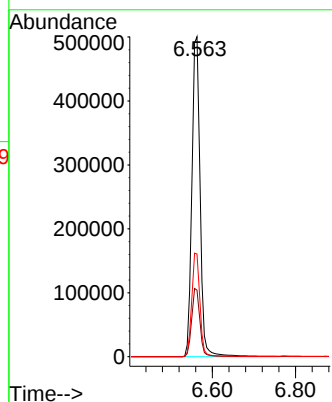
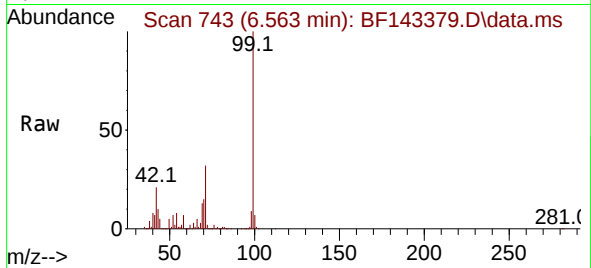




#7
Phenol-d6
Concen: 63.439 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

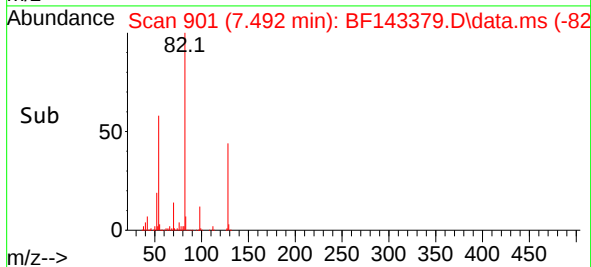
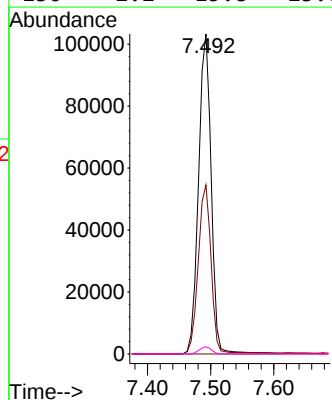
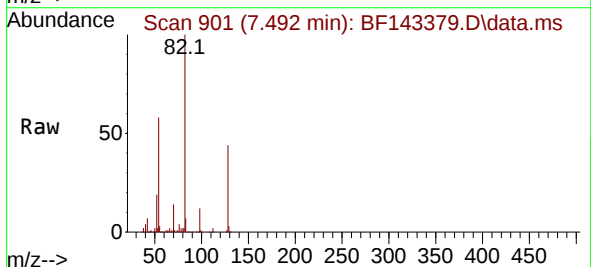
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

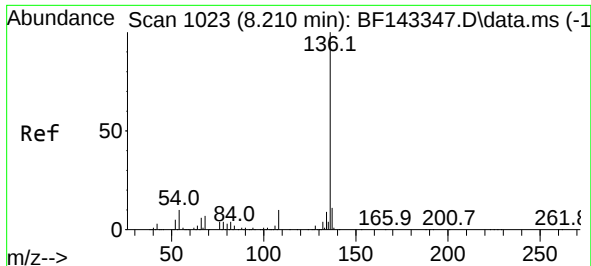
Tgt Ion: 99 Resp: 686745
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 32.1 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.472 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion: 70 Resp: 143622
Ion Ratio Lower Upper
70 100
42 52.8 51.6 77.4
101 0.0 7.5 11.3#
130 2.2 15.8 23.6#

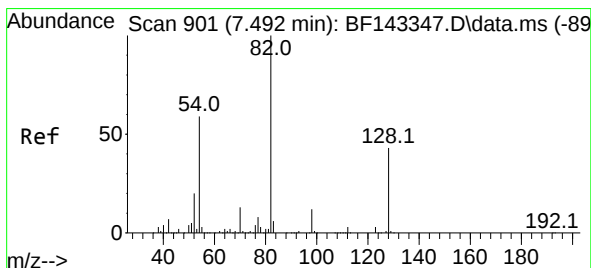
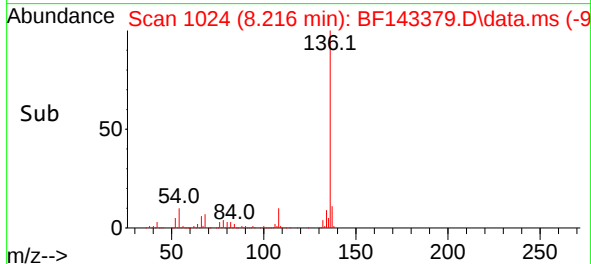
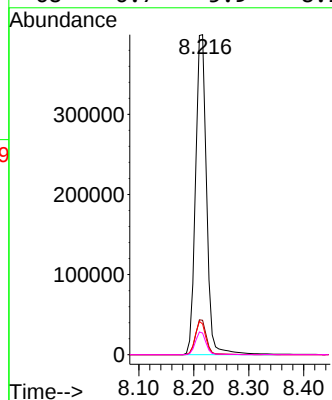
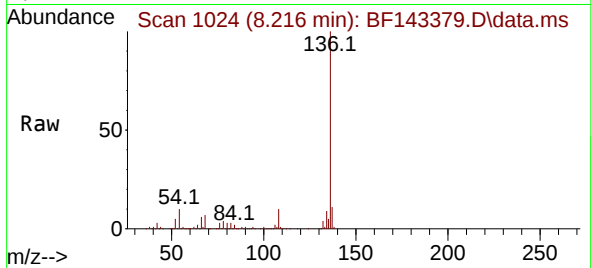




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

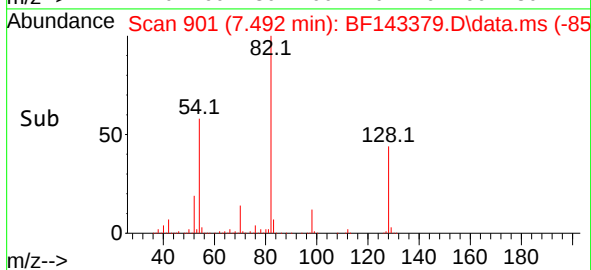
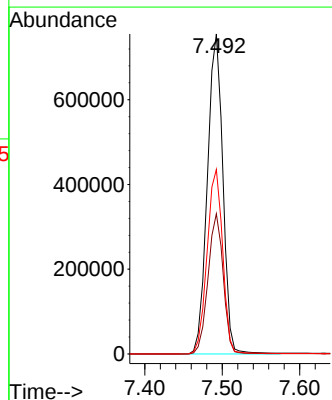
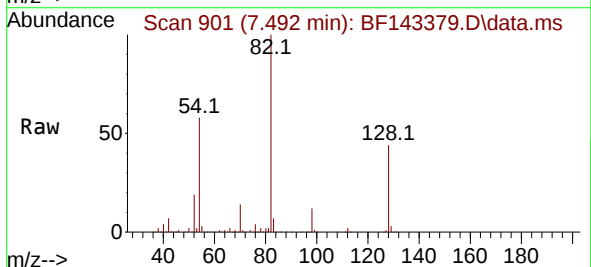
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

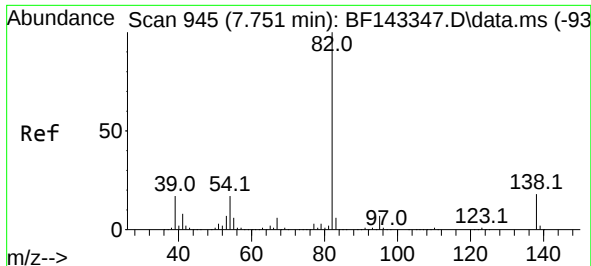
Tgt Ion:	136	Resp:	555514
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.6	8.4	12.6
68	6.7	5.9	8.9



#23
Nitrobenzene-d5
Concen: 117.559 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:	82	Resp:	1048688
Ion Ratio	Lower	Upper	
82	100		
128	43.8	33.5	50.3
54	57.7	46.7	70.1

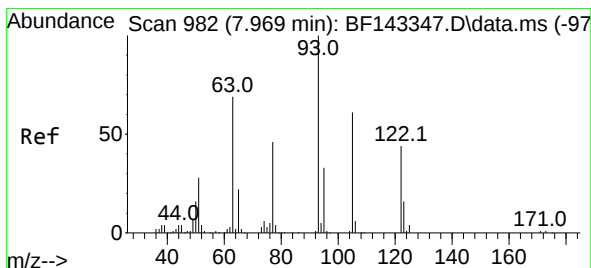
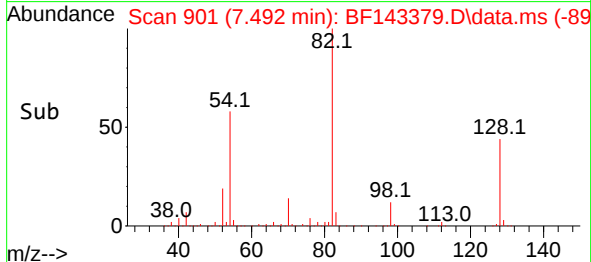
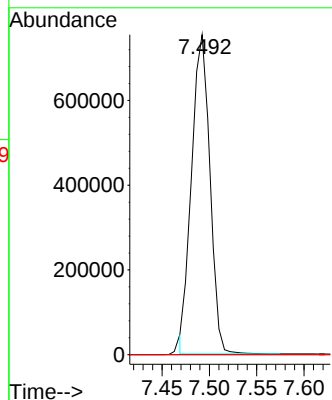
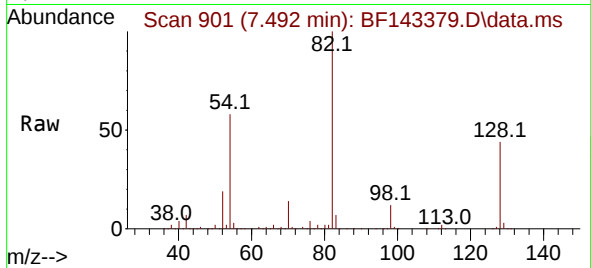




#25
Isophorone
Concen: 55.847 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

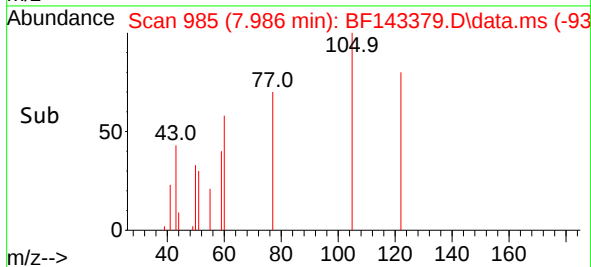
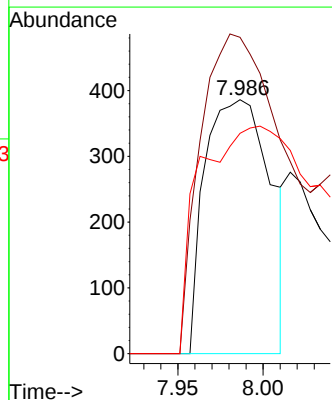
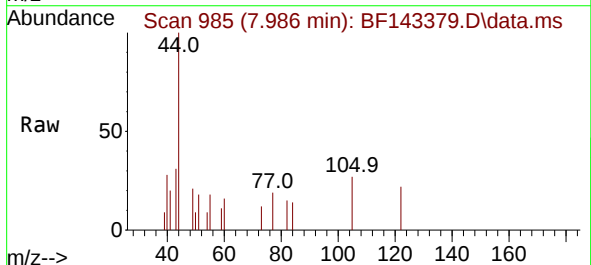
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

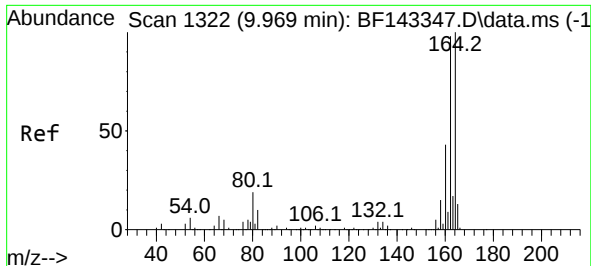
Tgt Ion: 82 Resp: 1017012
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.842 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.017 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

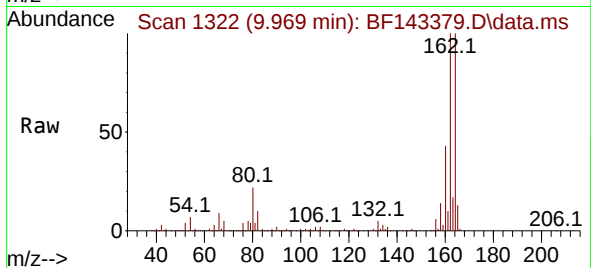
Tgt Ion: 122 Resp: 1029
Ion Ratio Lower Upper
122 100
105 124.6 106.4 146.4
77 86.8 79.2 119.2



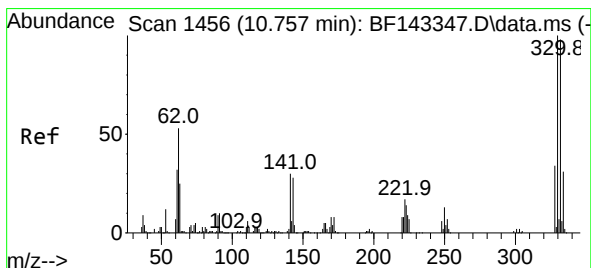
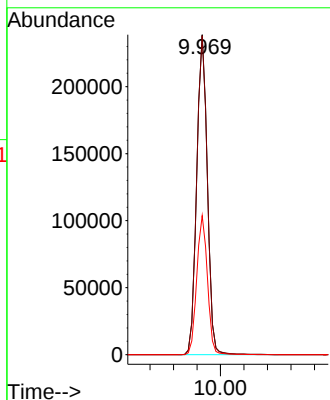
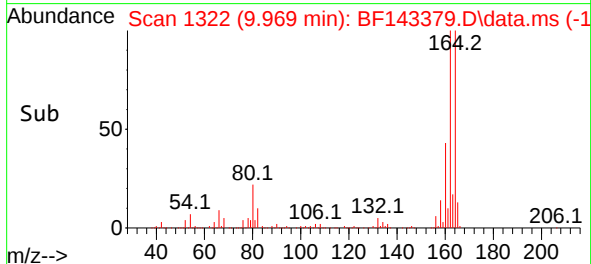


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

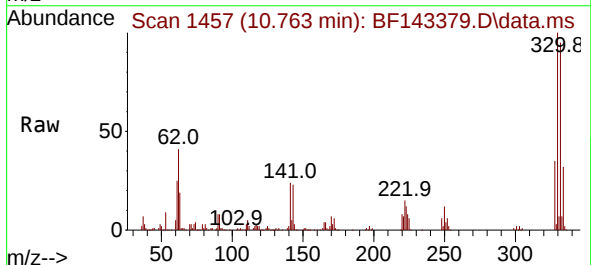
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E



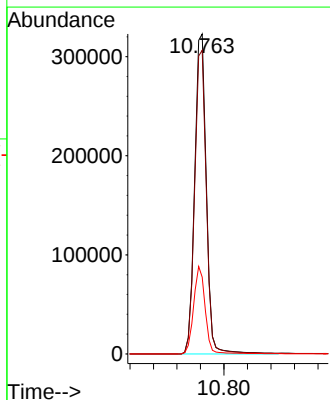
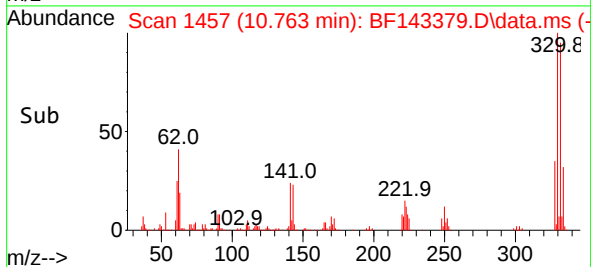
Tgt Ion:164 Resp: 299536
Ion Ratio Lower Upper
164 100
162 99.7 78.6 118.0
160 43.5 34.4 51.6

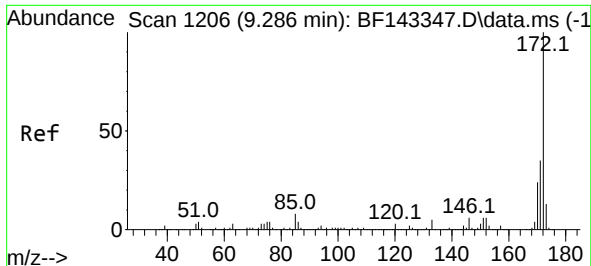


#42
2,4,6-Tribromophenol
Concen: 202.902 ng
RT: 10.763 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55



Tgt Ion:330 Resp: 444168
Ion Ratio Lower Upper
330 100
332 95.4 78.1 117.1
141 27.5 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 103.209 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Instrument :

BNA_F

ClientSampleId :

TW-84SB-E

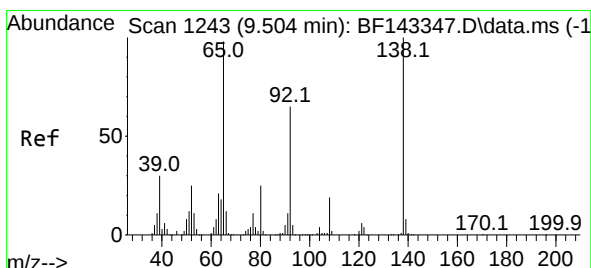
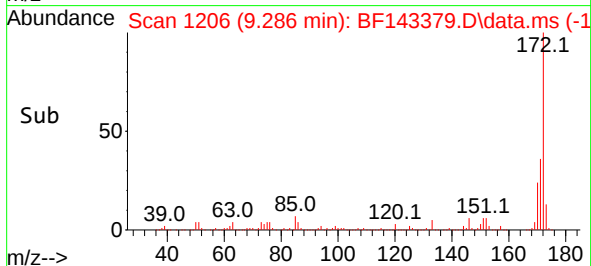
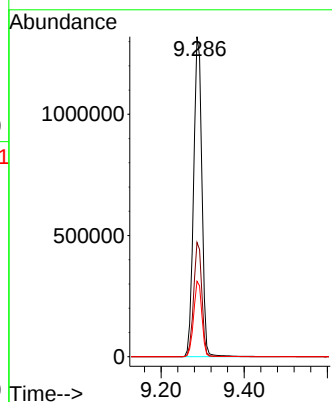
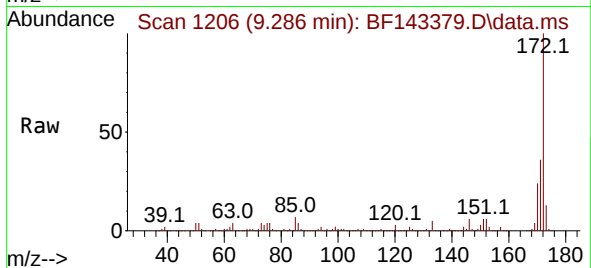
Tgt Ion:172 Resp: 1823076

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.1 28.7



#48

2-Nitroaniline

Concen: 3.427 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

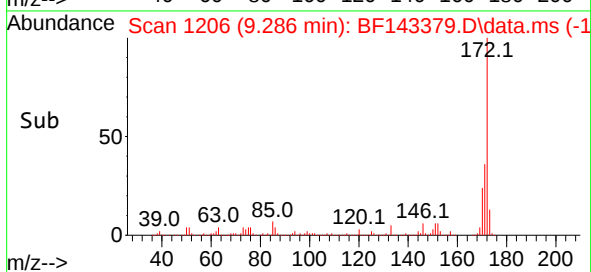
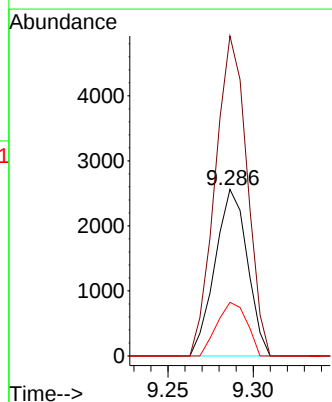
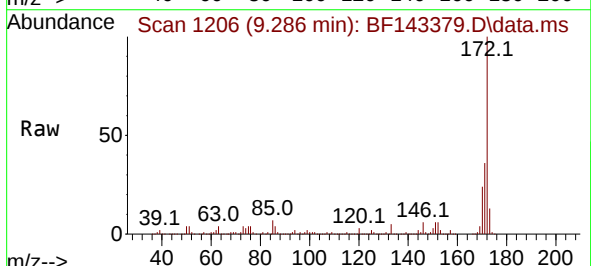
Tgt Ion: 65 Resp: 3378

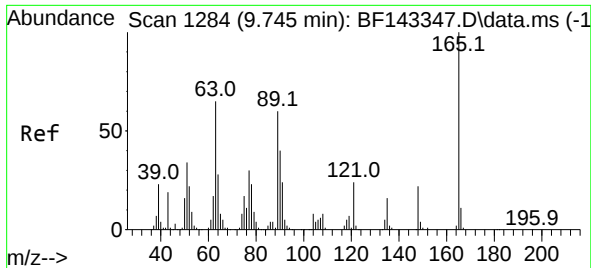
Ion Ratio Lower Upper

65 100

92 192.2 53.1 79.7#

138 32.2 81.4 122.0#

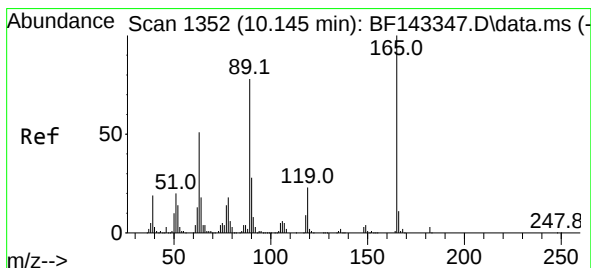
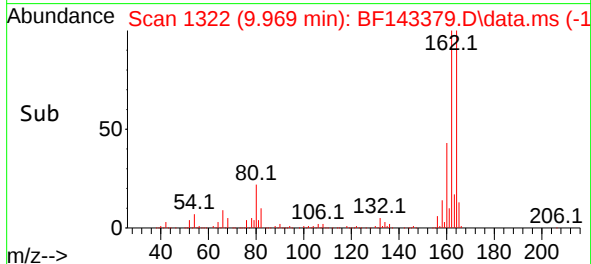
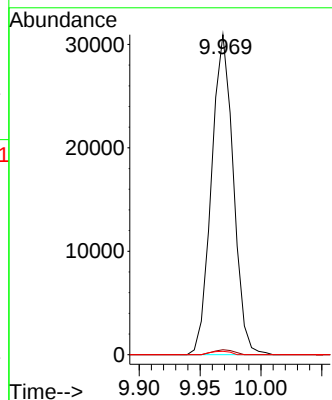
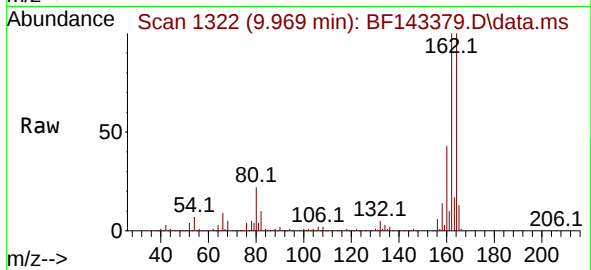




#51
 2,6-Dinitrotoluene
 Concen: 13.897 ng
 RT: 9.969 min Scan# 11
 Delta R.T. 0.224 min
 Lab File: BF143379.D
 Acq: 14 Aug 2025 13:55

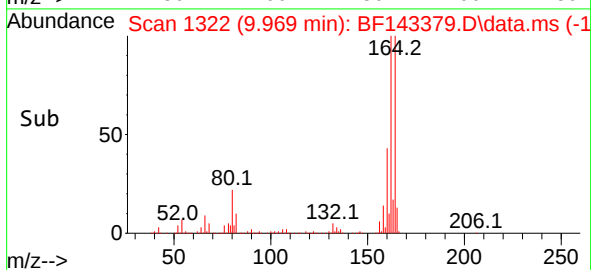
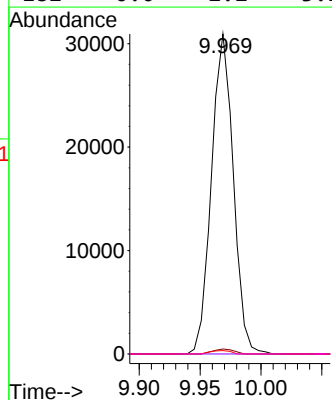
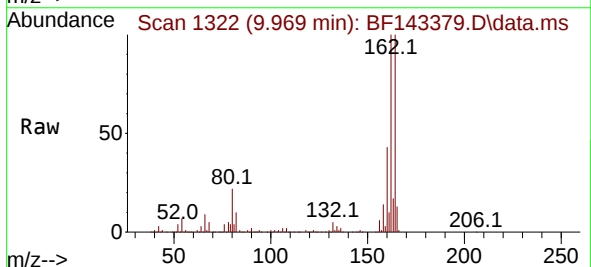
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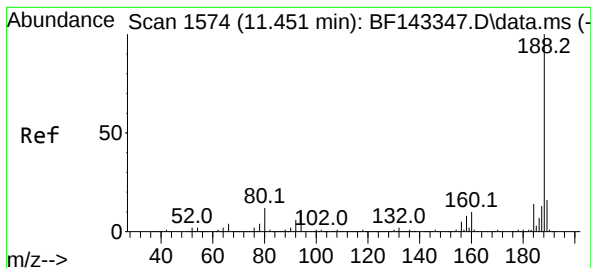
Tgt Ion:165 Resp: 38598
 Ion Ratio Lower Upper
 165 100
 63 1.5 51.6 77.4#
 89 1.1 47.7 71.5#



#57
 2,4-Dinitrotoluene
 Concen: 11.245 ng
 RT: 9.969 min Scan# 1322
 Delta R.T. -0.176 min
 Lab File: BF143379.D
 Acq: 14 Aug 2025 13:55

Tgt Ion:165 Resp: 38598
 Ion Ratio Lower Upper
 165 100
 63 1.5 41.8 62.8#
 89 1.1 62.4 93.6#
 182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Instrument :

BNA_F

ClientSampleId :

TW-84SB-E

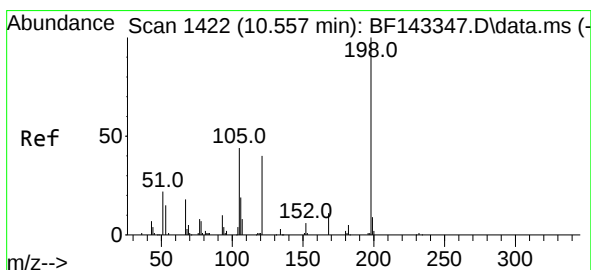
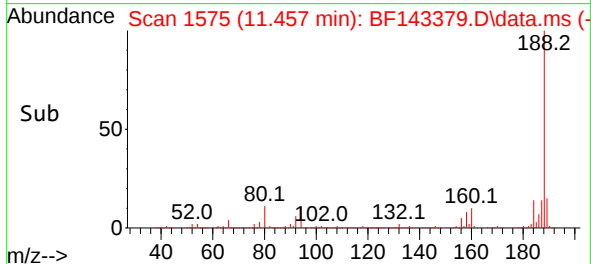
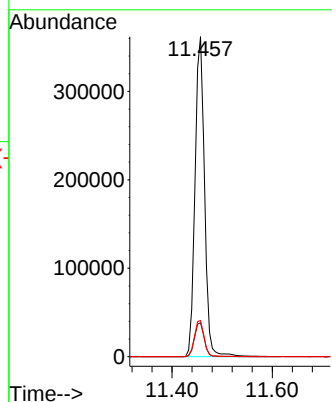
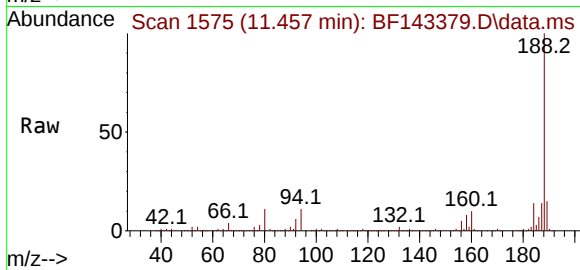
Tgt Ion:188 Resp: 474946

Ion Ratio Lower Upper

188 100

94 10.5 8.8 13.2

80 11.3 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.623 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

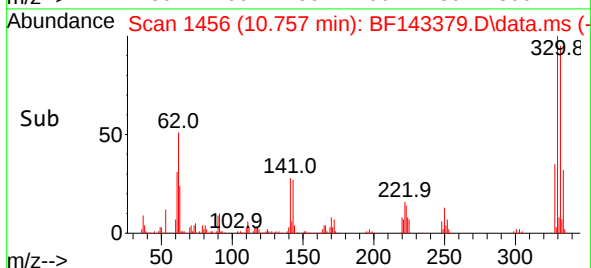
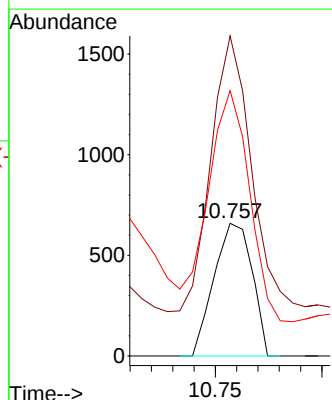
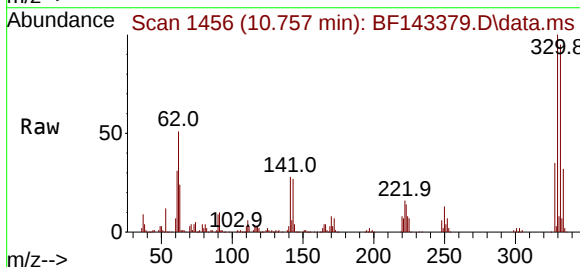
Tgt Ion:198 Resp: 819

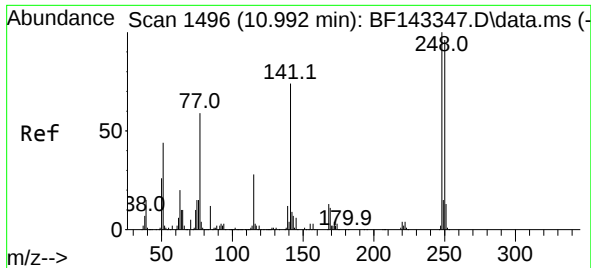
Ion Ratio Lower Upper

198 100

51 241.3 41.7 81.7#

105 200.0 26.8 66.8#

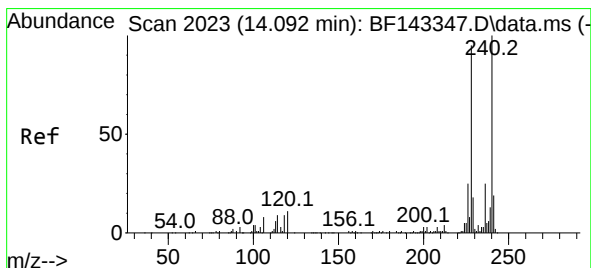
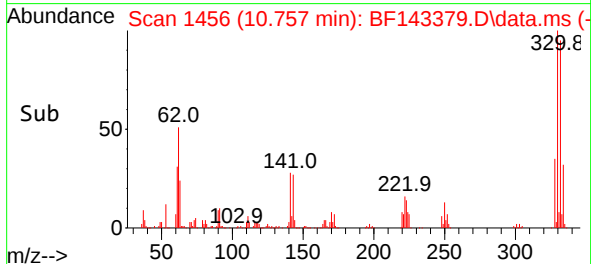
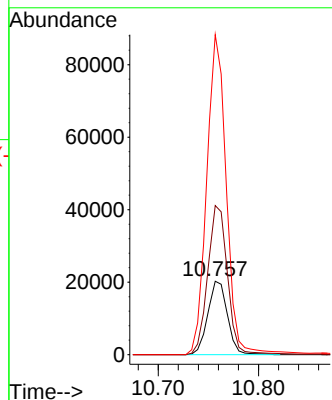
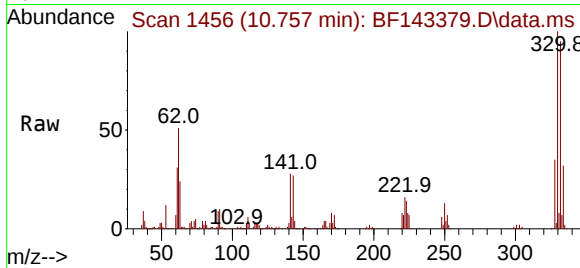




#67
4-Bromophenyl-phenylether
Concen: 5.096 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

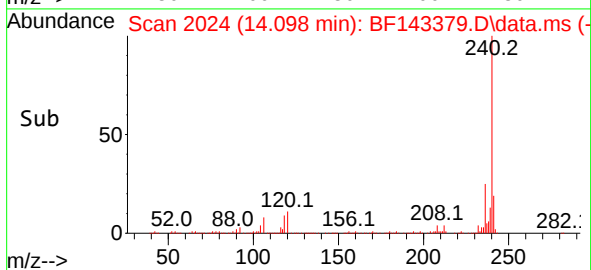
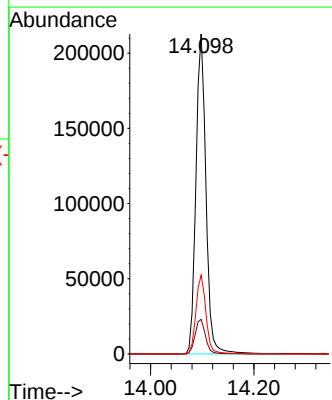
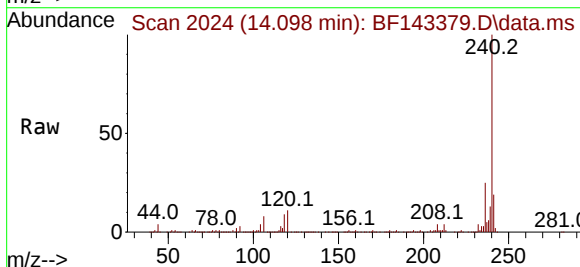
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

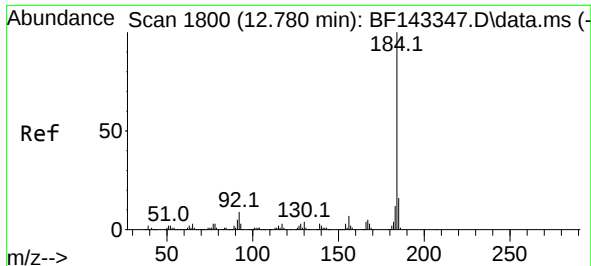
Tgt Ion:248 Resp: 27681
Ion Ratio Lower Upper
248 100
250 203.0 77.1 115.7#
141 435.7 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:240 Resp: 287392
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 24.7 19.9 29.9

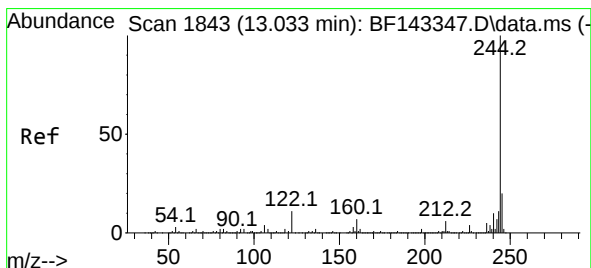
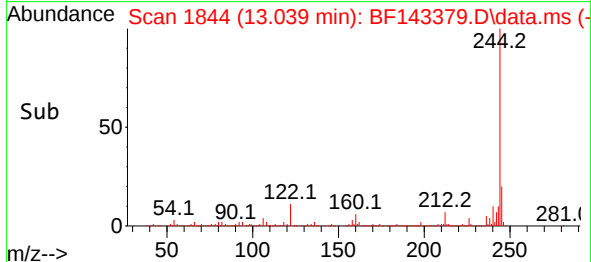
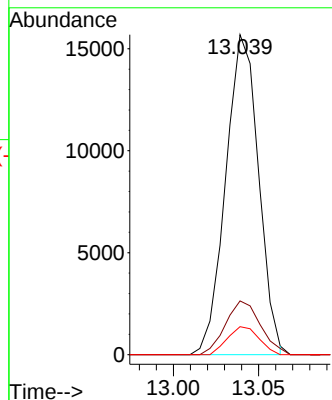
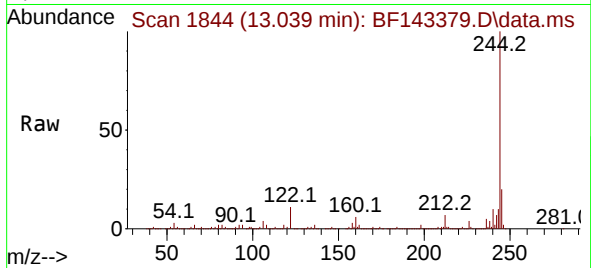




#77
Benzidine
Concen: 2.678 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

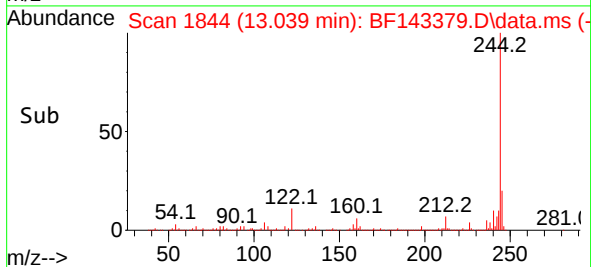
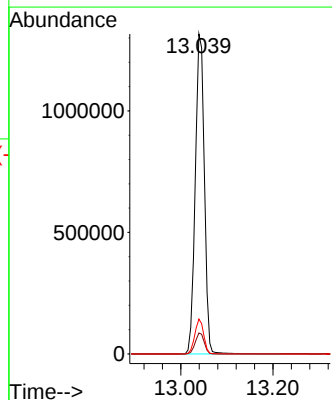
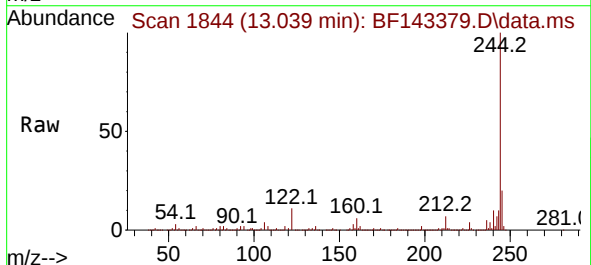
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

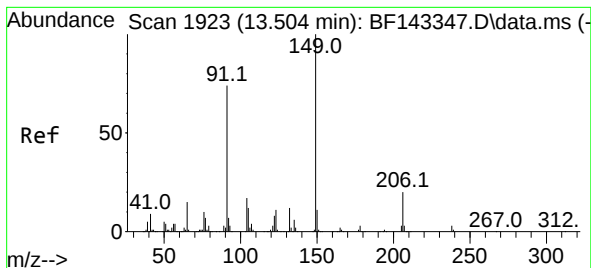
Tgt Ion:184 Resp: 21038
Ion Ratio Lower Upper
184 100
185 16.8 12.8 19.2
183 8.7 9.3 13.9#



#79
Terphenyl-d14
Concen: 111.608 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:244 Resp: 1796599
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.9 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.501 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

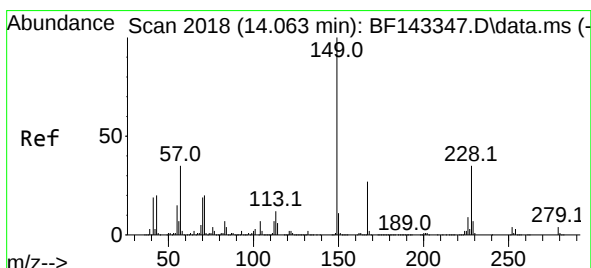
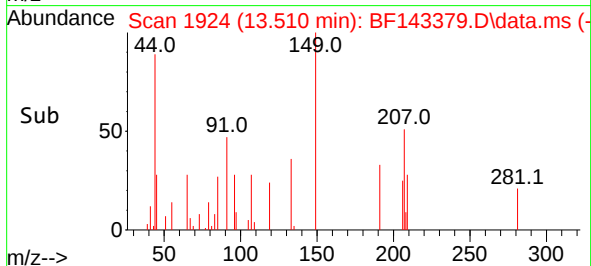
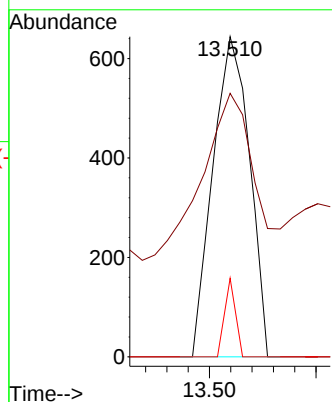
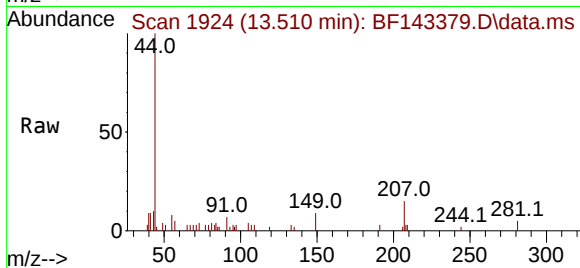
Instrument :

BNA_F

ClientSampleId :

TW-84SB-E

Tgt Ion:149	Resp:	769
Ion Ratio	Lower	Upper
149	100	
91	82.3	58.8 88.2
206	24.5	16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.568 ng

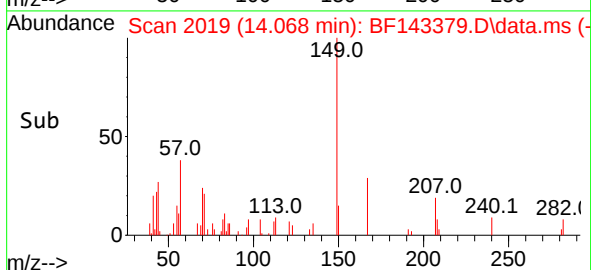
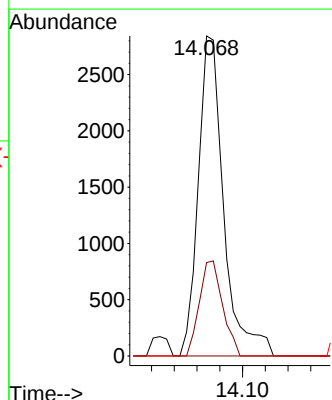
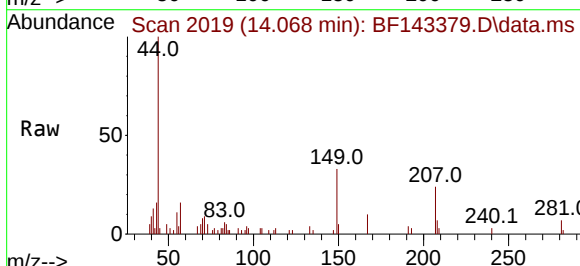
RT: 14.068 min Scan# 2019

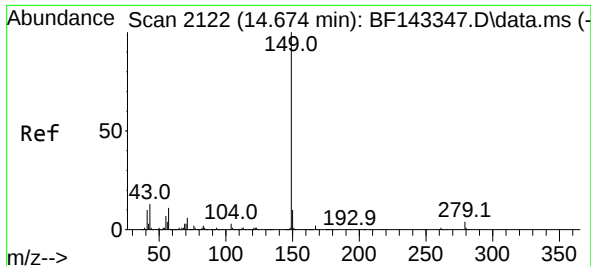
Delta R.T. 0.005 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Tgt Ion:149	Resp:	4423
Ion Ratio	Lower	Upper
149	100	
167	29.2	21.4 32.0
279	0.0	3.2 4.8

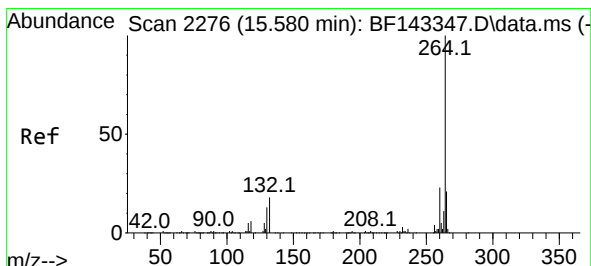
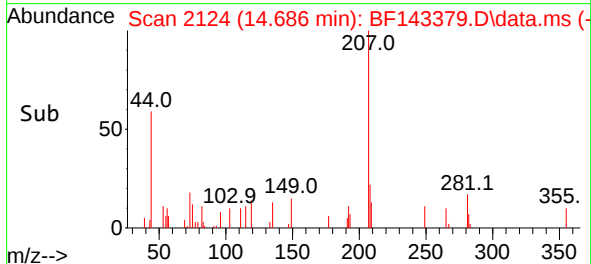
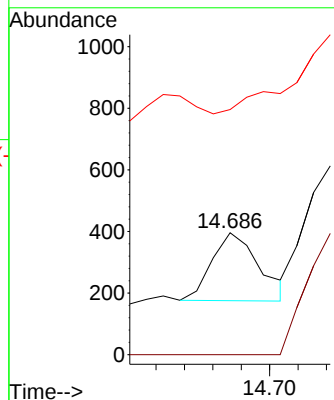
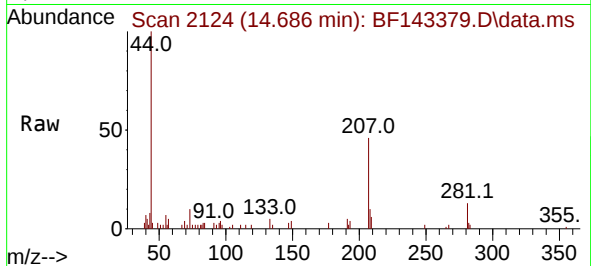




#85
Di-n-octyl phthalate
Concen: 6.041 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Tgt Ion:149 Resp: 255
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.8 16.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:264 Resp: 273915
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 22.1 17.2 25.8

