

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143618.D
 Acq On : 28 Aug 2025 19:13
 Operator : RC/JU
 Sample : Q2971-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1

Quant Time: Aug 29 01:09:26 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

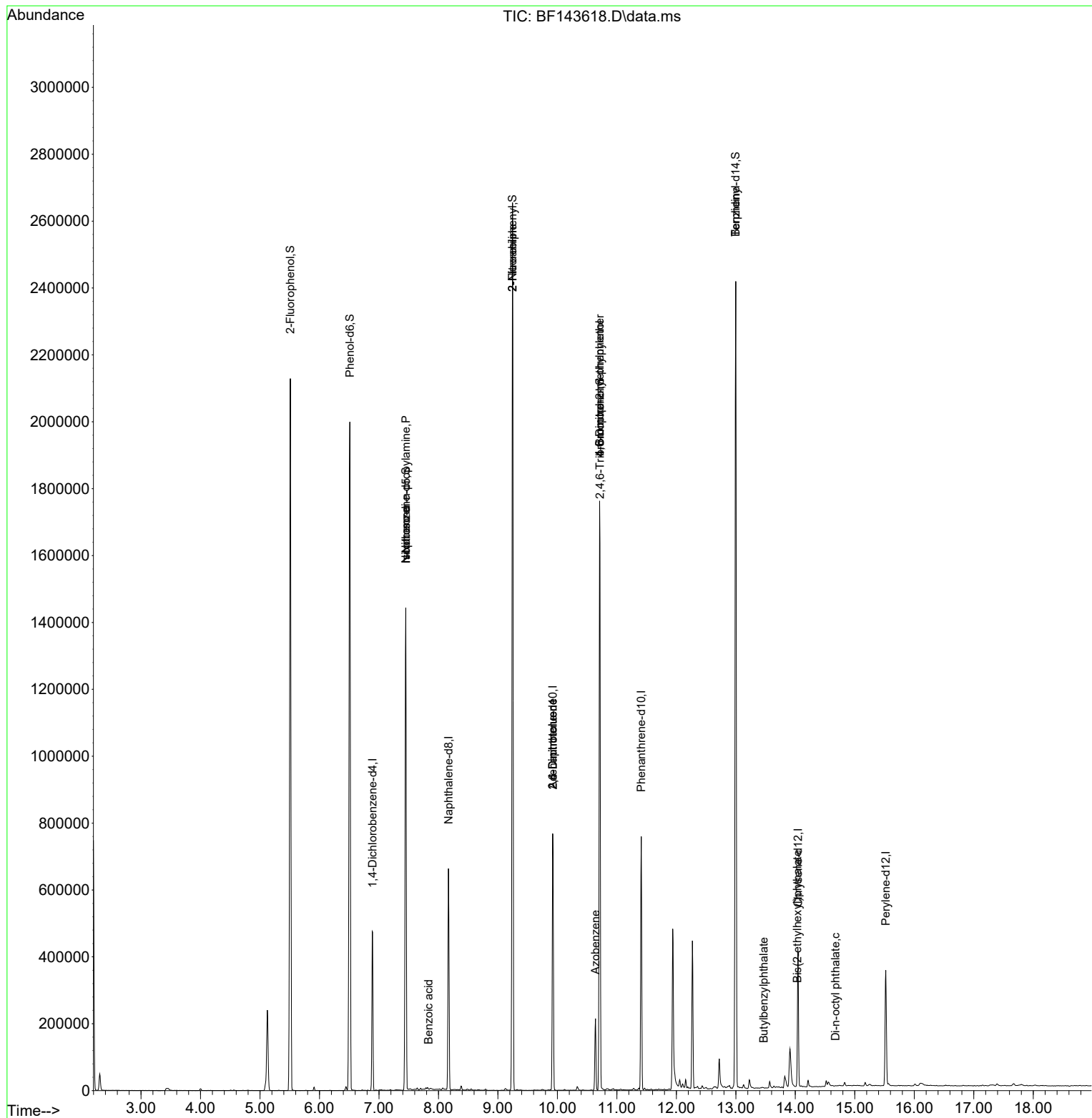
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	103444	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	403167	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231908	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	381496	20.000	ng	0.00
76) Chrysene-d12	14.045	240	194613	20.000	ng	0.00
86) Perylene-d12	15.521	264	199616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	832214	136.925	ng	0.00
7) Phenol-d6	6.510	99	1060437	140.869	ng	0.00
23) Nitrobenzene-d5	7.451	82	663704	117.542	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	323215	178.221	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1209678	89.184	ng	0.00
79) Terphenyl-d14	12.998	244	1214466	111.983	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	89441	18.755	ng	# 75
25) Isophorone	7.451	82	660601	49.993	ng	# 66
32) Benzoic acid	7.834	122	130	7.360	ng	# 87
48) 2-Nitroaniline	9.245	65	2103	4.847	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	29567	15.893	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29567	13.302	ng	# 22
63) Azobenzene	10.639	77	50988	3.762	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	753	8.312	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	20849	5.053	ng	# 1
77) Benzidine	12.998	184	14466	3.229	ng	97
80) Butylbenzylphthalate	13.469	149	244	3.717	ng	# 48
84) Bis(2-ethylhexyl)phtha...	14.033	149	1168	3.421	ng	# 82
85) Di-n-octyl phthalate	14.674	149	192	5.882	ng	# 72

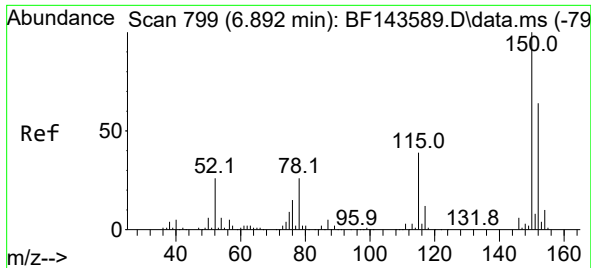
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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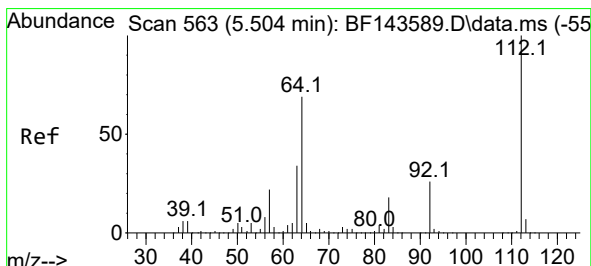
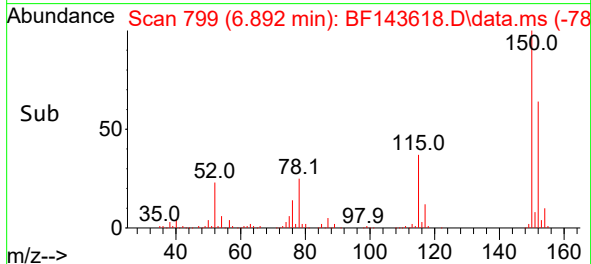
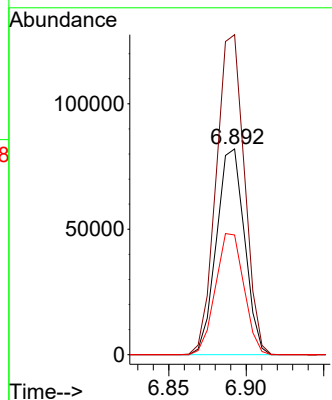
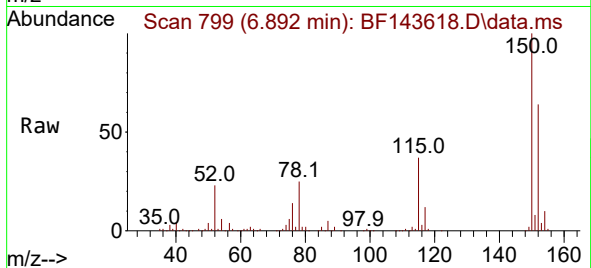




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143618.D
 Acq: 28 Aug 2025 19:13

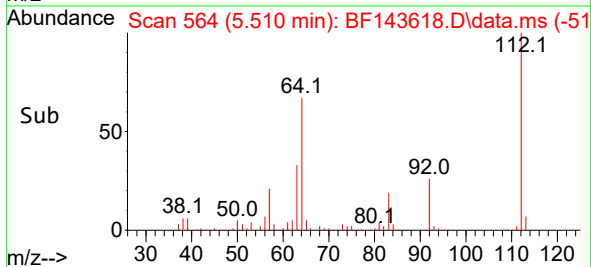
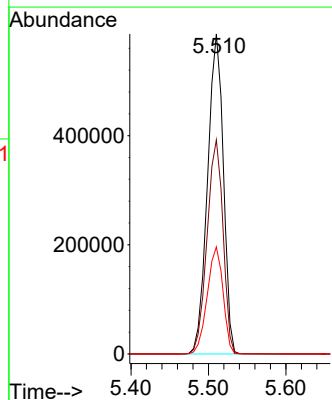
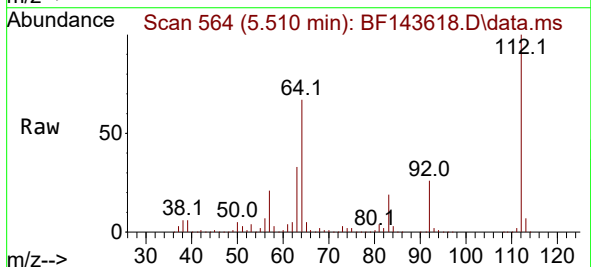
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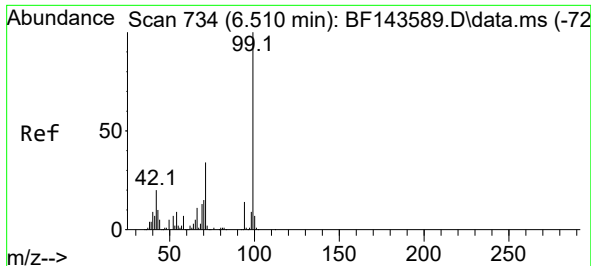
Tgt Ion:152 Resp: 103444
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.9 187.3
 115 58.2 48.0 72.0



#5
 2-Fluorophenol
 Concen: 136.925 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF143618.D
 Acq: 28 Aug 2025 19:13

Tgt Ion:112 Resp: 832214
 Ion Ratio Lower Upper
 112 100
 64 66.9 54.8 82.2
 63 33.5 27.6 41.4





#7

Phenol-d6

Concen: 140.869 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143618.D

Acq: 28 Aug 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP1

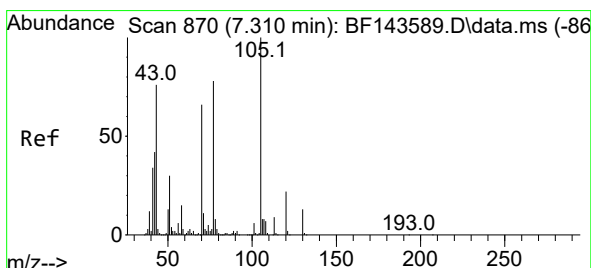
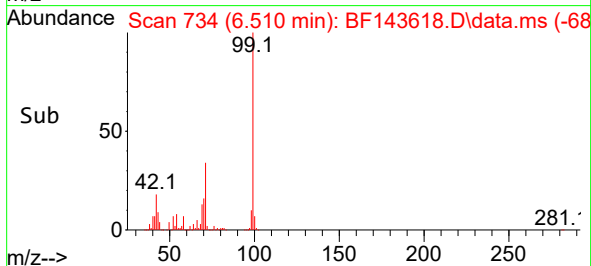
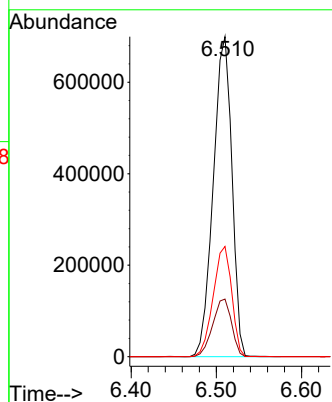
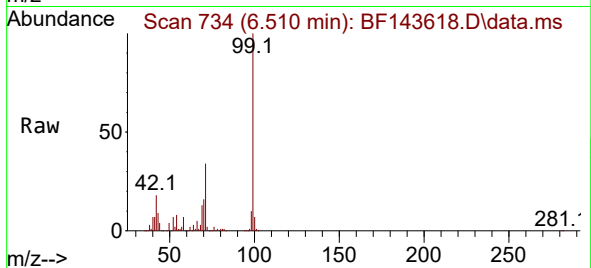
Tgt Ion: 99 Resp: 1060437

Ion Ratio Lower Upper

99 100

42 18.0 15.9 23.9

71 34.5 27.2 40.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.755 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.141 min

Lab File: BF143618.D

Acq: 28 Aug 2025 19:13

Tgt Ion: 70 Resp: 89441

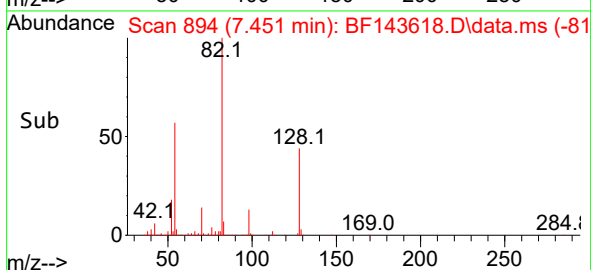
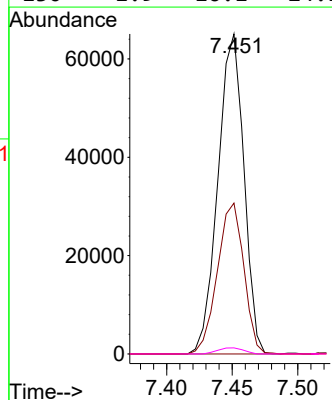
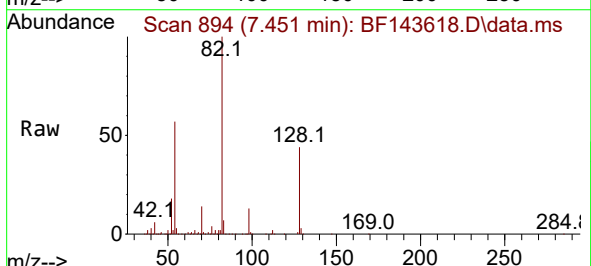
Ion Ratio Lower Upper

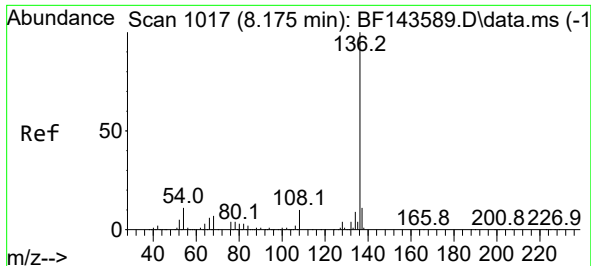
70 100

42 47.2 50.6 75.8#

101 0.0 7.5 11.3#

130 1.9 16.1 24.1#

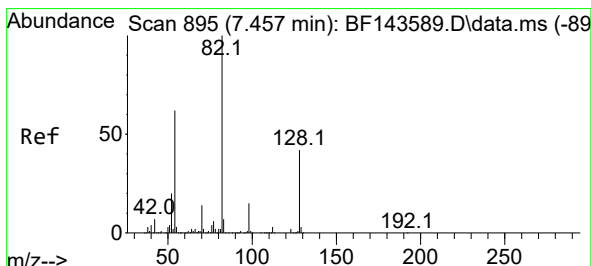
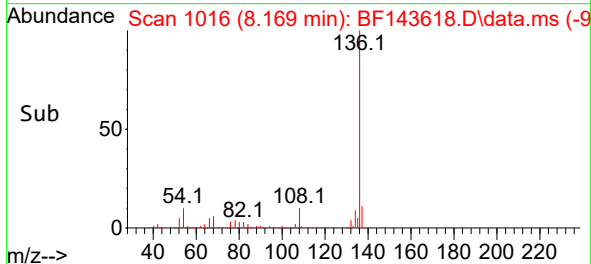
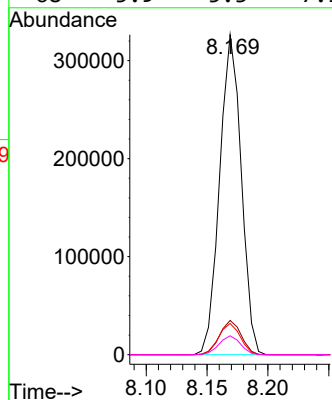
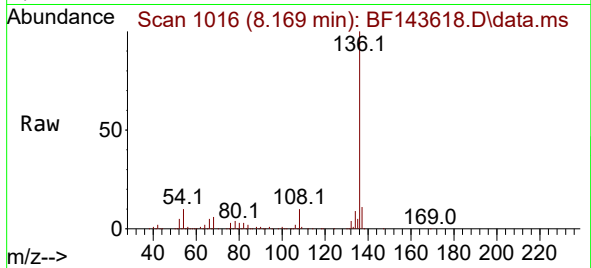




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

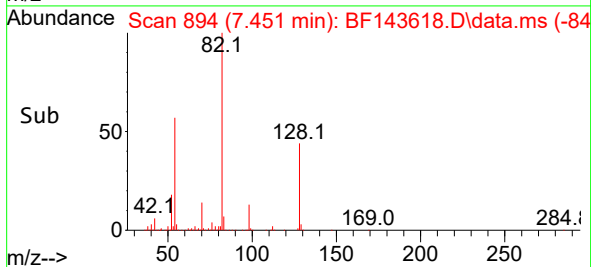
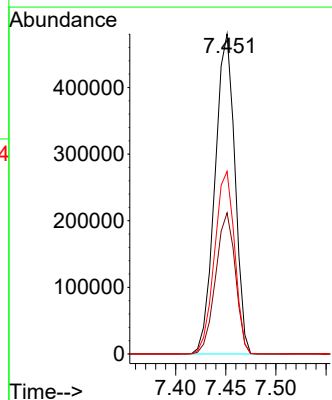
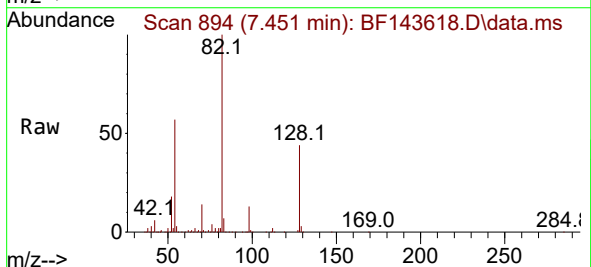
Instrument :
BNA_F
ClientSampleId :
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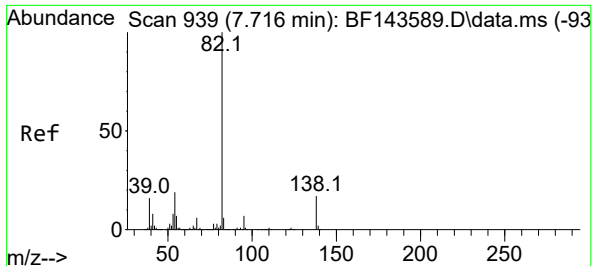
Tgt Ion:136 Resp: 403167
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.8 9.0 13.6
68 5.9 5.3 7.9



#23
Nitrobenzene-d5
Concen: 117.542 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion: 82 Resp: 663704
Ion Ratio Lower Upper
82 100
128 44.1 33.4 50.2
54 57.1 49.3 73.9

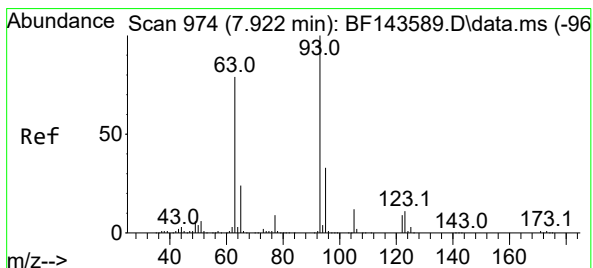
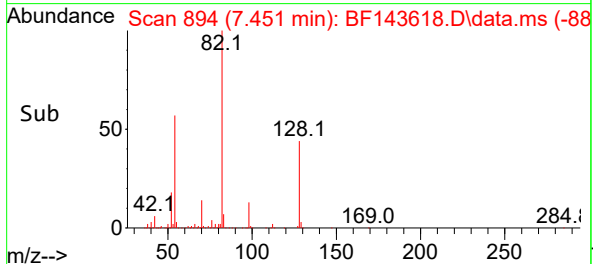
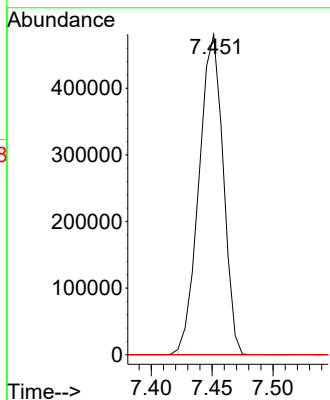
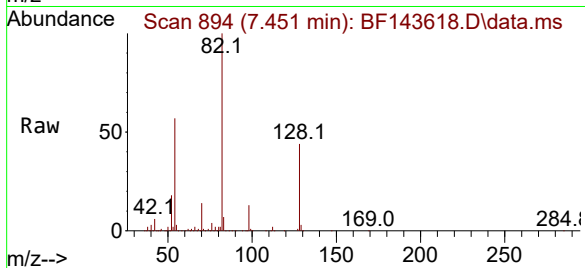




#25
Isophorone
Concen: 49.993 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

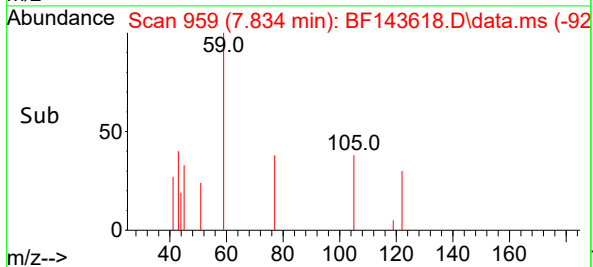
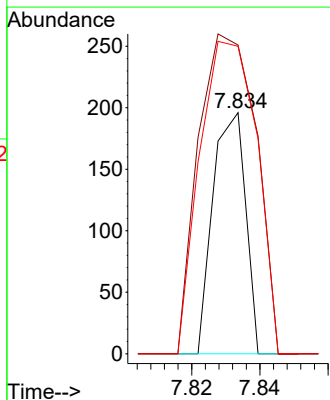
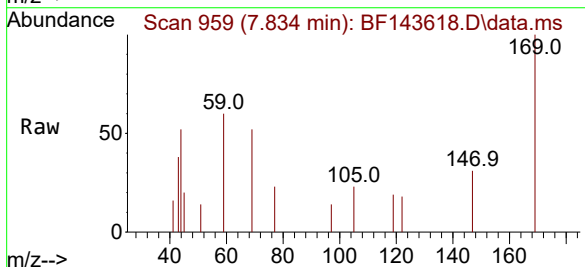
Instrument :
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ClientSampleId :
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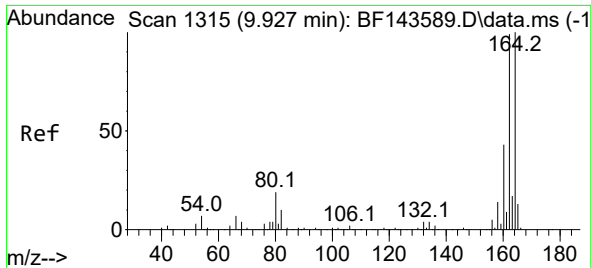
Tgt Ion: 82 Resp: 660601
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.360 ng
RT: 7.834 min Scan# 959
Delta R.T. -0.088 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion: 122 Resp: 130
Ion Ratio Lower Upper
122 100
105 128.1 106.4 146.4
77 127.6 79.3 119.3#

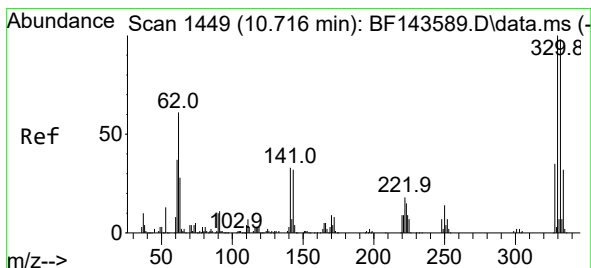
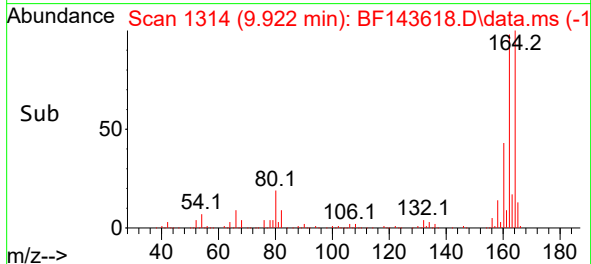
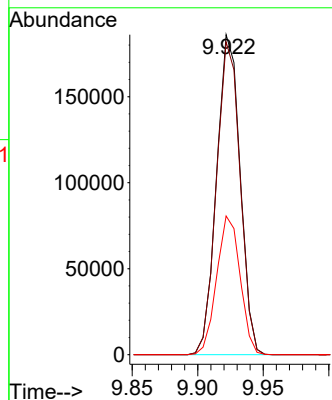
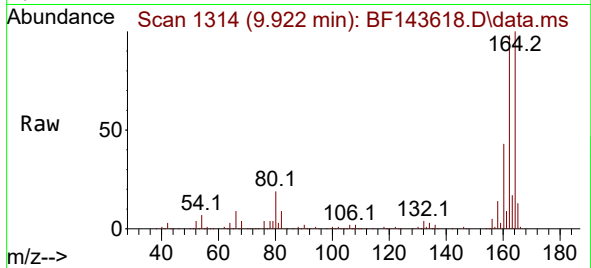




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

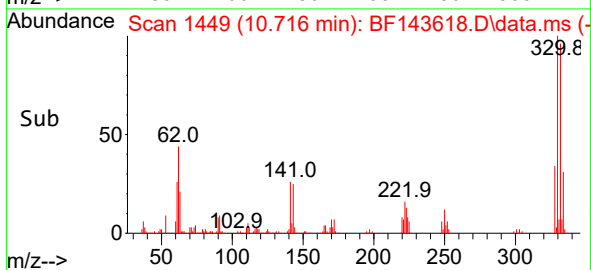
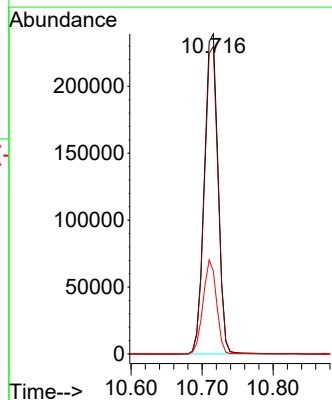
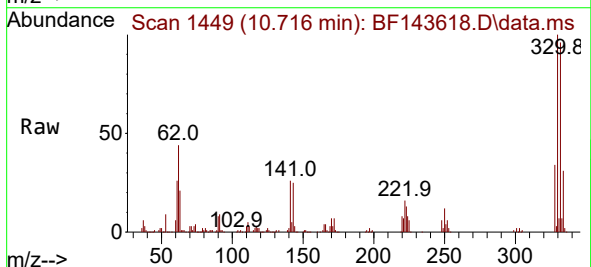
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BNA_F
ClientSampleId :
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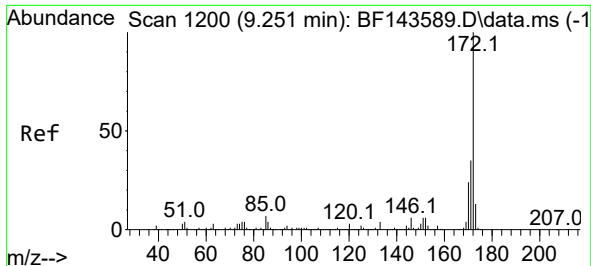
Tgt Ion:164 Resp: 231908
Ion Ratio Lower Upper
164 100
162 97.8 79.5 119.3
160 43.3 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 178.221 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion:330 Resp: 323215
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.4
141 28.7 25.4 38.0

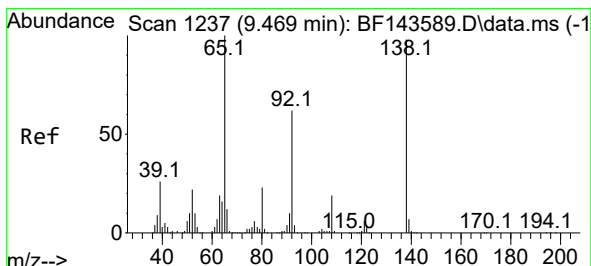
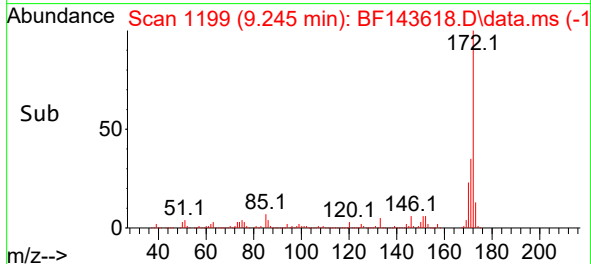
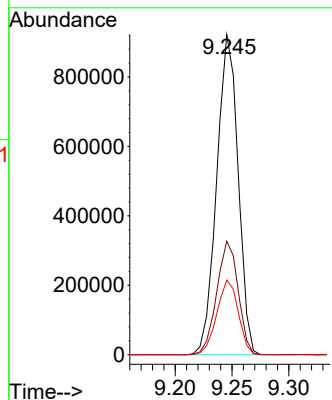
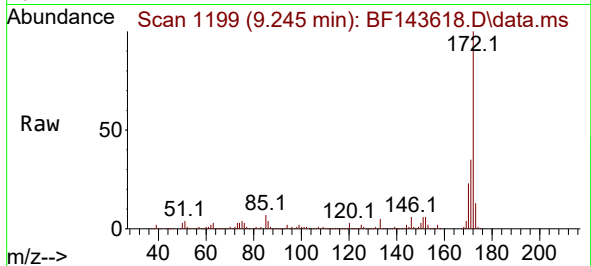




#45
2-Fluorobiphenyl
Concen: 89.184 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

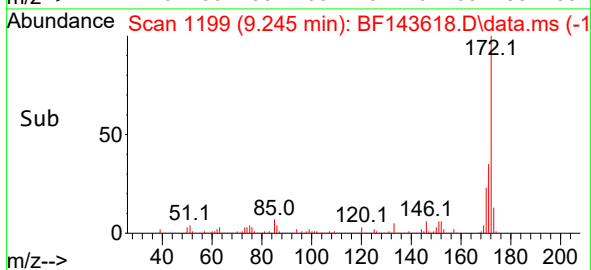
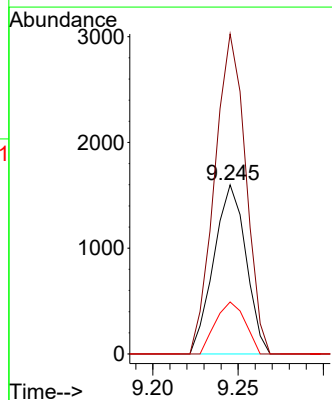
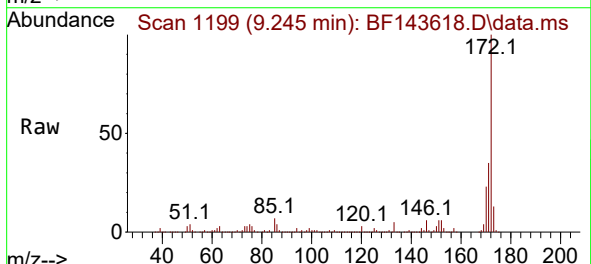
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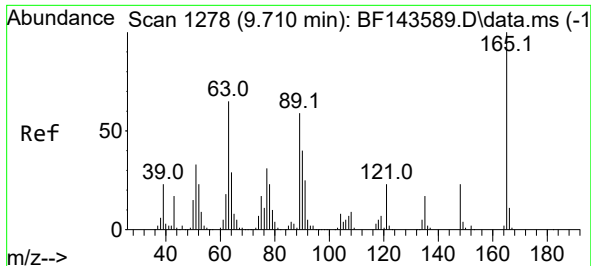
Tgt Ion:172 Resp: 1209678
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.3 19.0 28.4



#48
2-Nitroaniline
Concen: 4.847 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion: 65 Resp: 2103
Ion Ratio Lower Upper
65 100
92 189.2 49.6 74.4#
138 30.8 78.6 118.0#

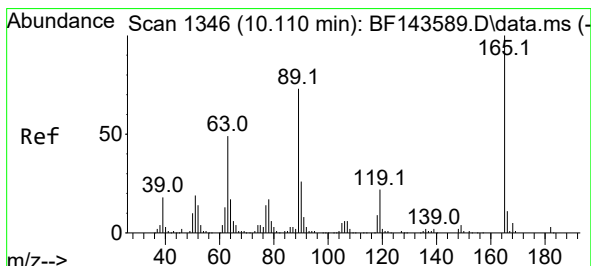
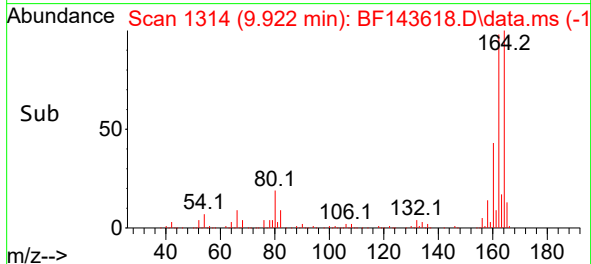
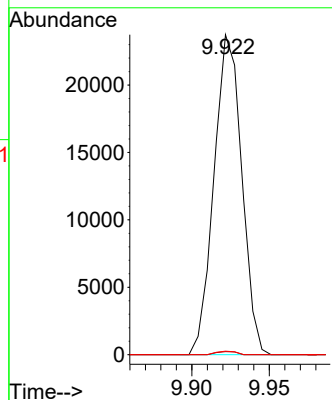
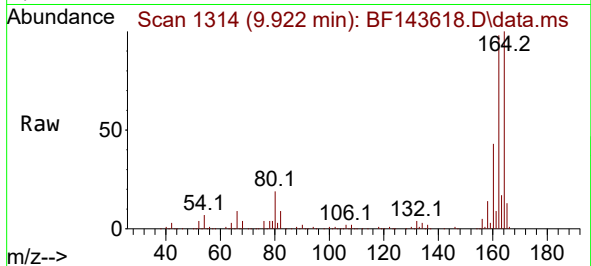




#51
2,6-Dinitrotoluene
Concen: 15.893 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

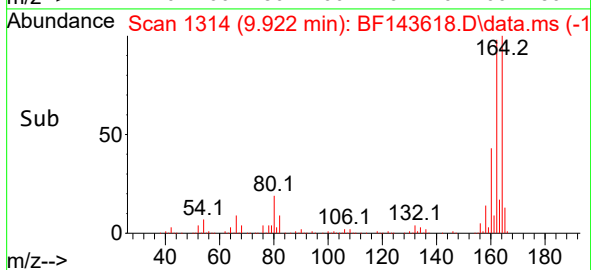
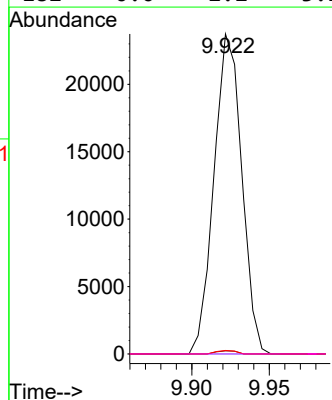
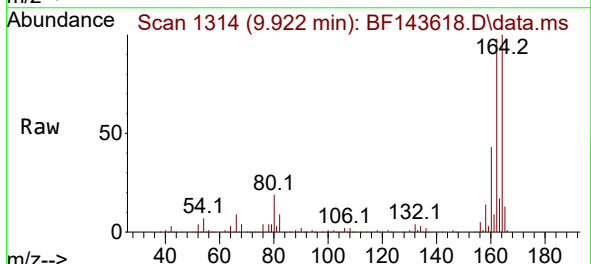
Instrument :
BNA_F
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TP1

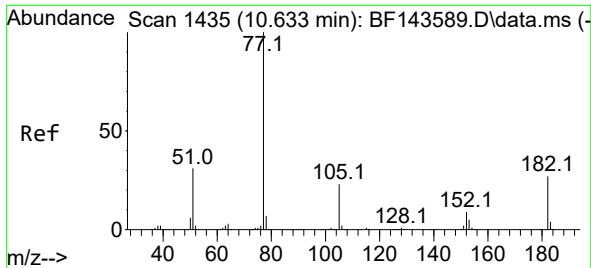
Tgt Ion:165 Resp: 29567
Ion Ratio Lower Upper
165 100
63 0.9 51.8 77.6#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 13.302 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion:165 Resp: 29567
Ion Ratio Lower Upper
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63 0.9 39.5 59.3#
89 1.1 58.1 87.1#
182 0.0 2.2 3.2#

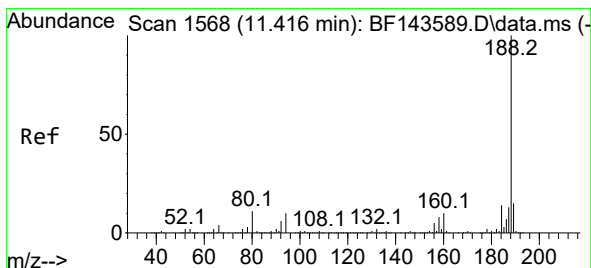
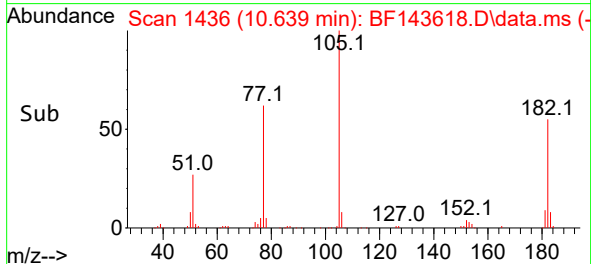
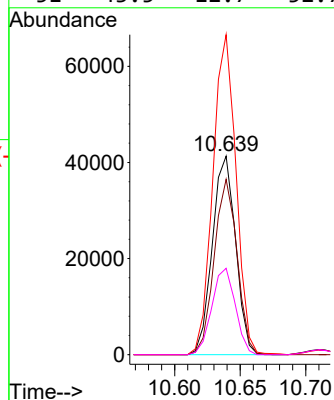
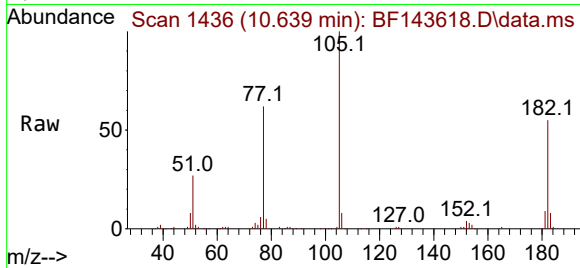




#63
Azobenzene
Concen: 3.762 ng
RT: 10.639 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

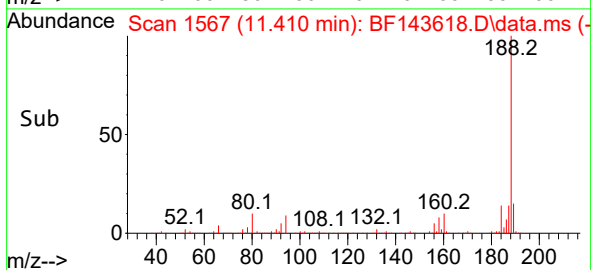
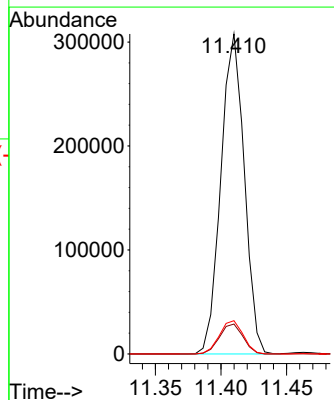
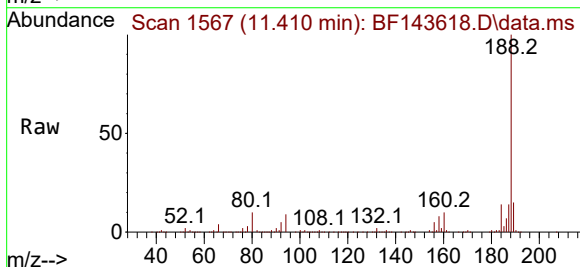
Instrument :
BNA_F
ClientSampleId :
TP1

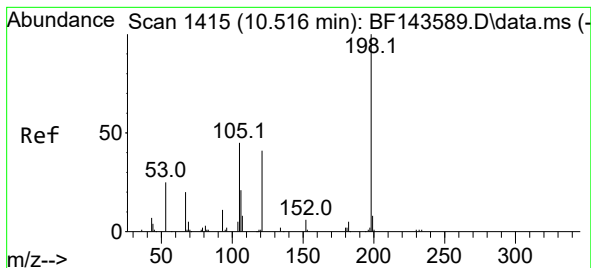
Tgt Ion: 77	Resp: 50988
Ion Ratio	Lower Upper
77	100
182	88.3 6.3 46.3#
105	161.2 2.4 42.4#
51	43.5 12.7 52.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion: 188	Resp: 381496
Ion Ratio	Lower Upper
188	100
94	9.3 8.2 12.4
80	10.4 8.9 13.3

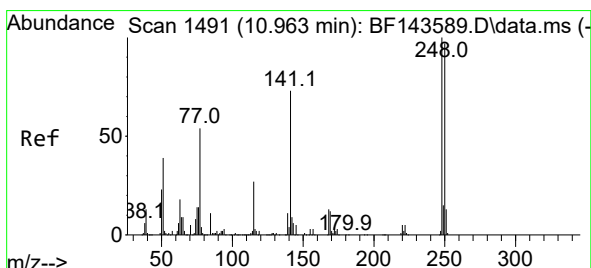
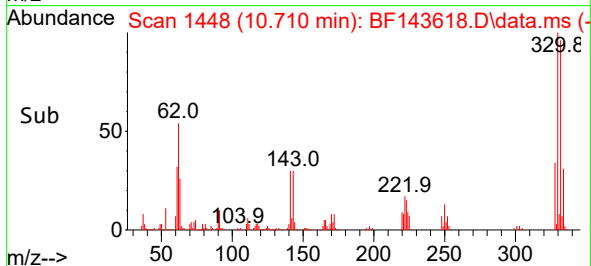
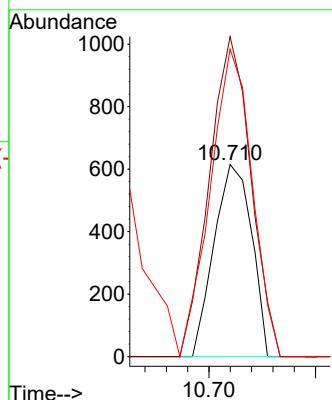
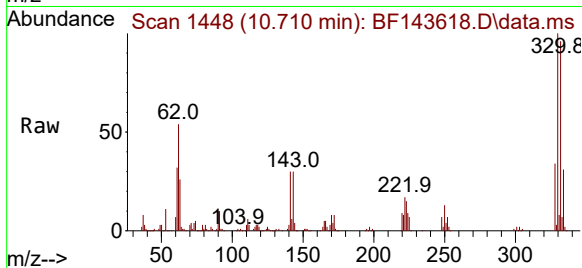




#65
4,6-Dinitro-2-methylphenol
Concen: 8.312 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

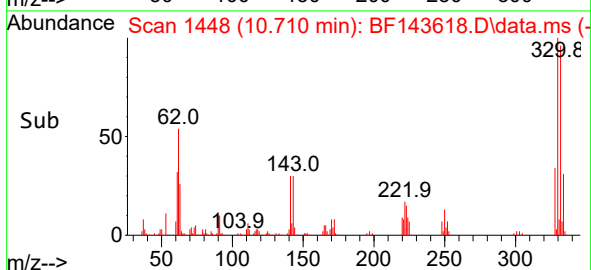
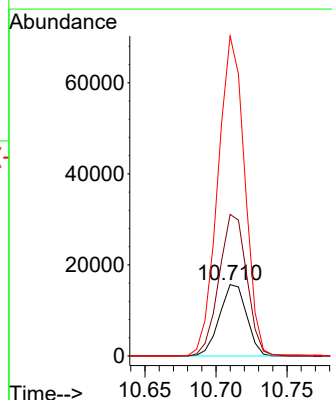
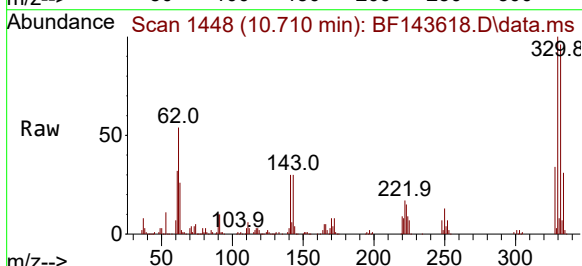
Instrument :
BNA_F
ClientSampleId :
TP1

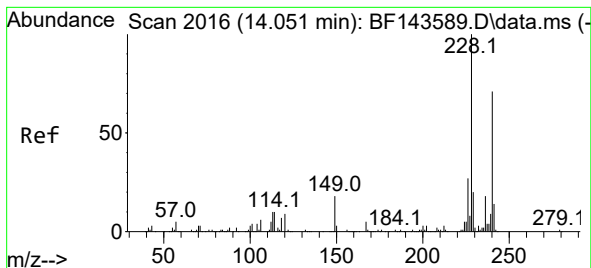
Tgt Ion:198 Resp: 753
Ion Ratio Lower Upper
198 100
51 166.5 41.5 81.5#
105 160.0 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 5.053 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Tgt Ion:248 Resp: 20849
Ion Ratio Lower Upper
248 100
250 198.5 77.8 116.6#
141 448.4 58.5 87.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143618.D

Acq: 28 Aug 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP1

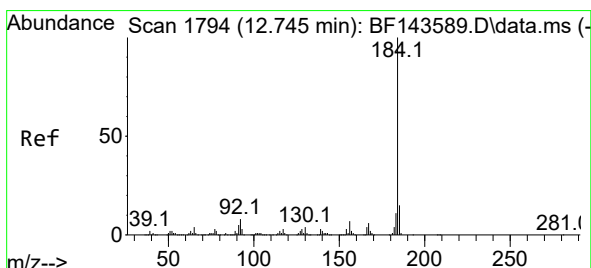
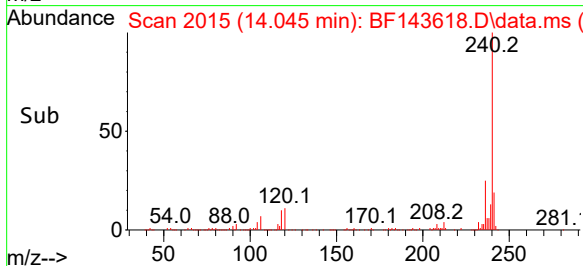
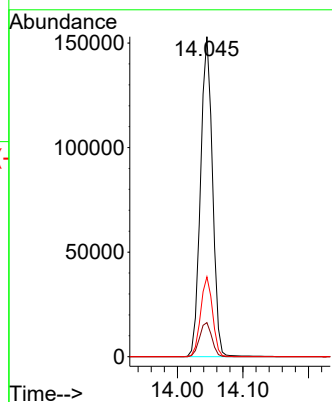
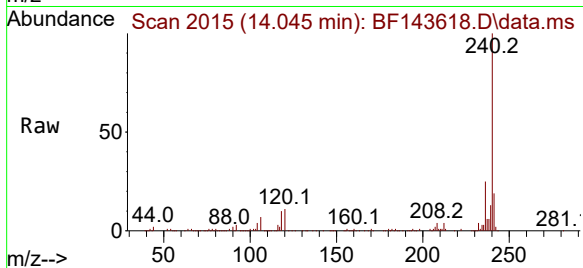
Tgt Ion:240 Resp: 194613

Ion Ratio Lower Upper

240 100

120 10.7 9.6 14.4

236 25.0 20.2 30.2



#77

Benidine

Concen: 3.229 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF143618.D

Acq: 28 Aug 2025 19:13

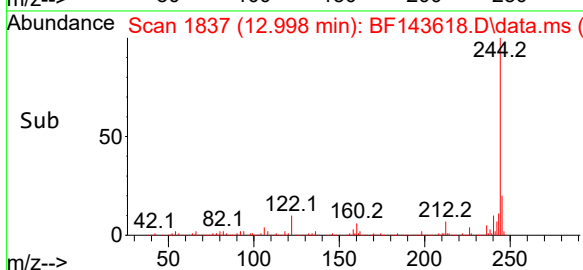
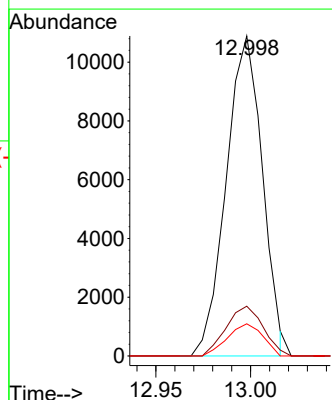
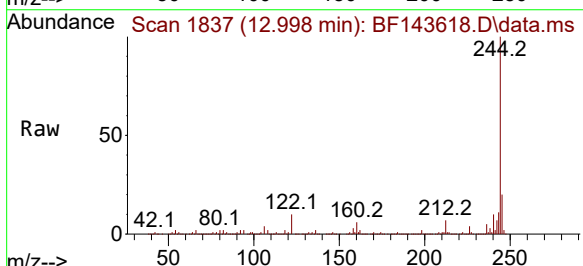
Tgt Ion:184 Resp: 14466

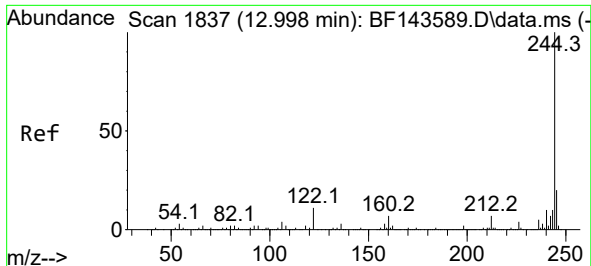
Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.6

183 10.0 9.1 13.7

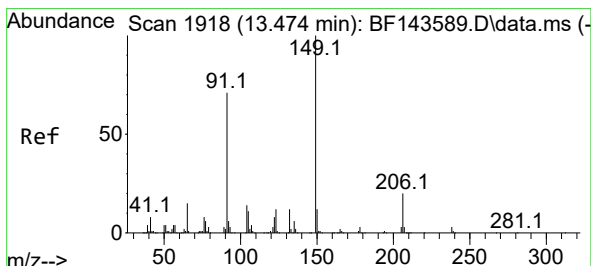
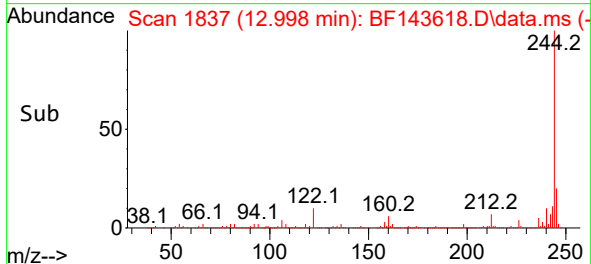
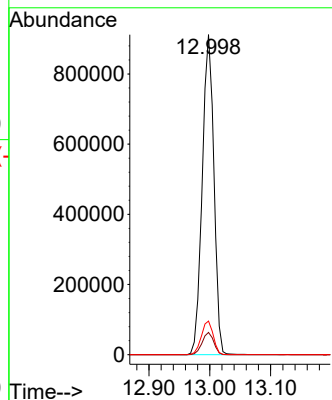
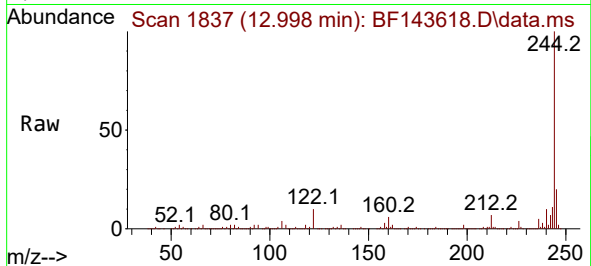




#79
 Terphenyl-d14
 Concen: 111.983 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143618.D
 Acq: 28 Aug 2025 19:13

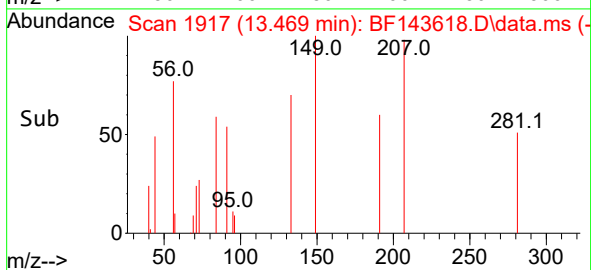
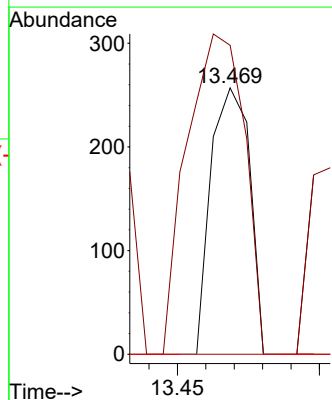
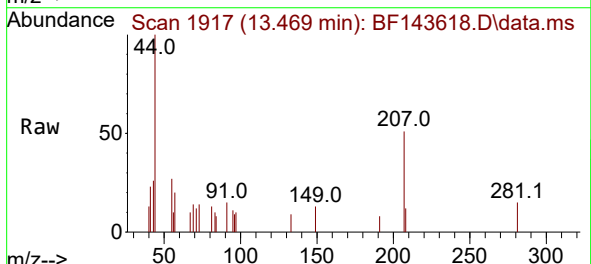
Instrument :
 BNA_F
 ClientSampleId :
 TP1

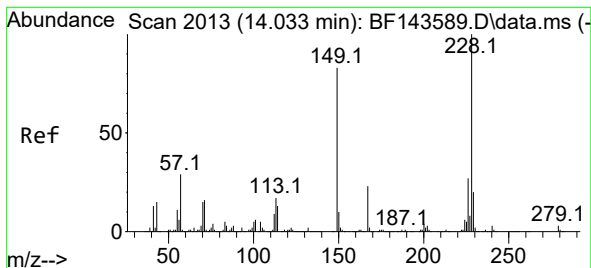
Tgt Ion:244 Resp: 1214466
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 10.5 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 3.717 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. -0.005 min
 Lab File: BF143618.D
 Acq: 28 Aug 2025 19:13

Tgt Ion:149 Resp: 244
 Ion Ratio Lower Upper
 149 100
 91 116.0 56.8 85.2#
 206 0.0 16.2 24.2#

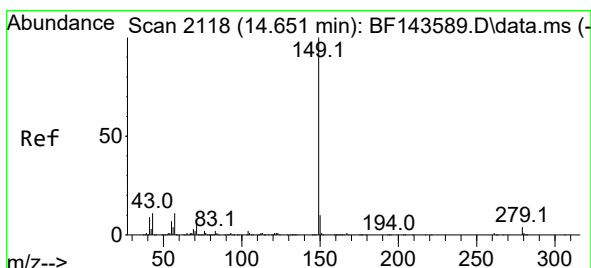
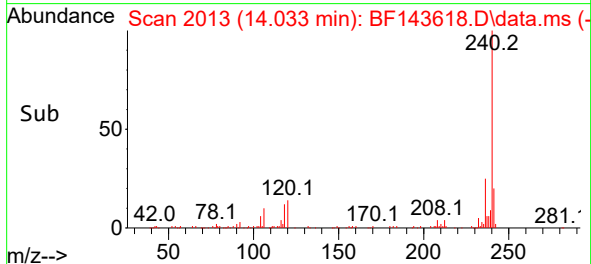
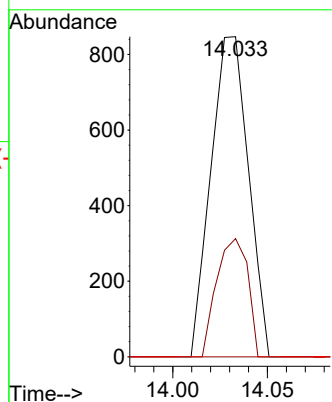
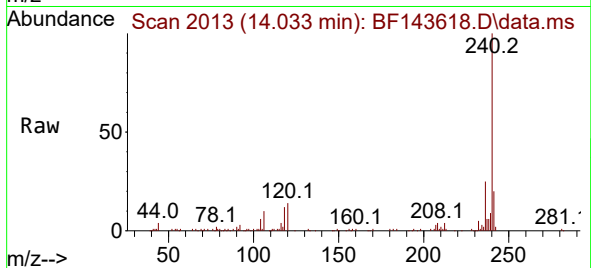




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.421 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

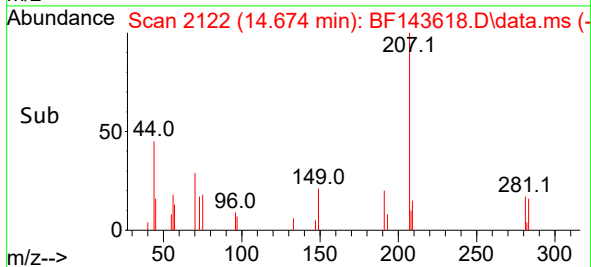
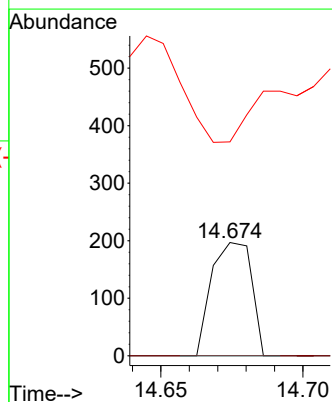
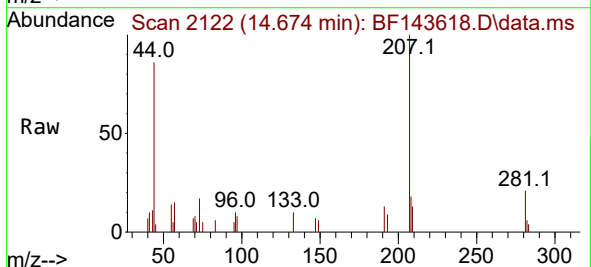
Instrument :
BNA_F
ClientSampleId :
TP1

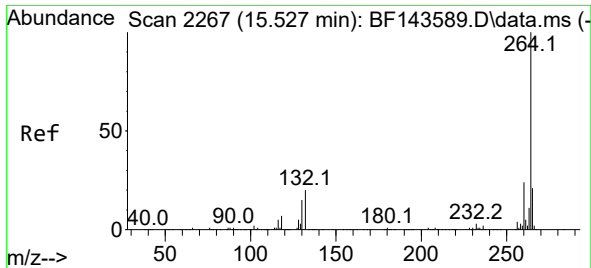
Tgt Ion:149 Resp: 1168
Ion Ratio Lower Upper
149 100
167 37.0 21.8 32.8#
279 0.0 2.9 4.3#



#85
Di-n-octyl phthalate
Concen: 5.882 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.023 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

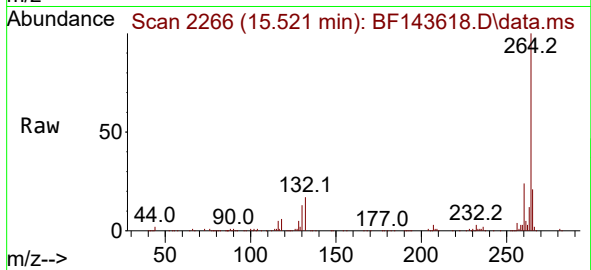
Tgt Ion:149 Resp: 192
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 9.5 14.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143618.D
Acq: 28 Aug 2025 19:13

Instrument :
BNA_F
ClientSampleId :
TP1



Tgt Ion:264 Resp: 199616
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.5 17.0 25.4

