

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143392.D
 Acq On : 14 Aug 2025 20:26
 Operator : RC/JU
 Sample : Q2814-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-E

Quant Time: Aug 15 01:34:40 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)

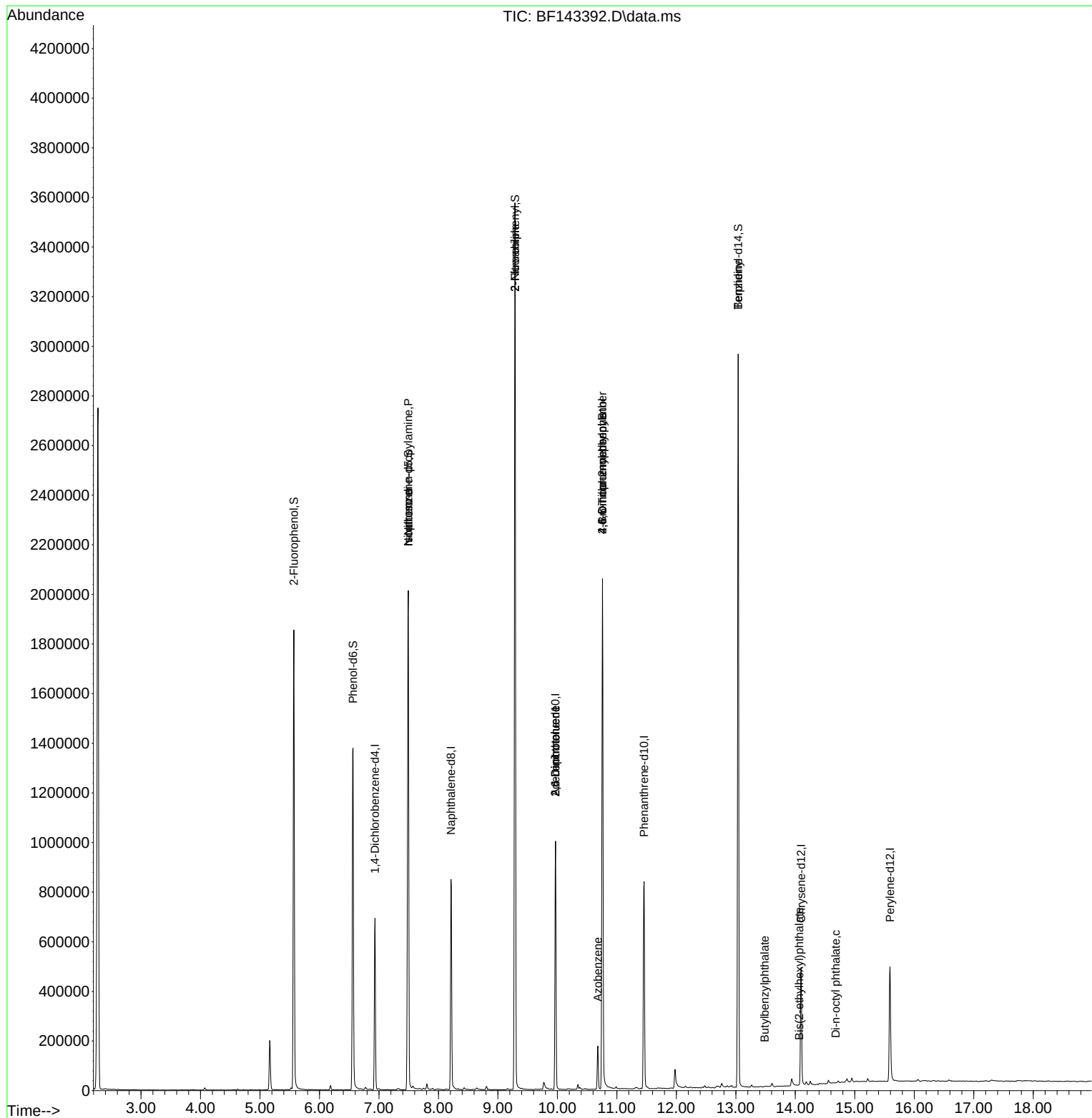
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147415	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	561051	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301049	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	453674	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245304	20.000	ng	0.00
86) Perylene-d12	15.592	264	285132	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	672802	78.923	ng	0.00
7) Phenol-d6	6.563	99	654335	59.856	ng	0.00
23) Nitrobenzene-d5	7.493	82	955148	106.016	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	372732	169.414	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1624069	91.481	ng	0.00
79) Terphenyl-d14	13.039	244	1448163	105.398	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.493	70	126203	18.683	ng	# 79
25) Isophorone	7.493	82	942224	51.229	ng	# 65
48) 2-Nitroaniline	9.287	65	2785	3.309	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	39667	14.144	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	39668	11.430	ng	# 19
63) Azobenzene	10.681	77	45476	2.527	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	757	7.611	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	24339	4.691	ng	# 1
77) Benzidine	13.039	184	17346	2.586	ng	# 94
80) Butylbenzylphthalate	13.486	149	500	3.465	ng	# 59
84) Bis(2-ethylhexyl)phtha...	14.069	149	1185	4.171	ng	# 74
85) Di-n-octyl phthalate	14.680	149	313	6.048	ng	# 70

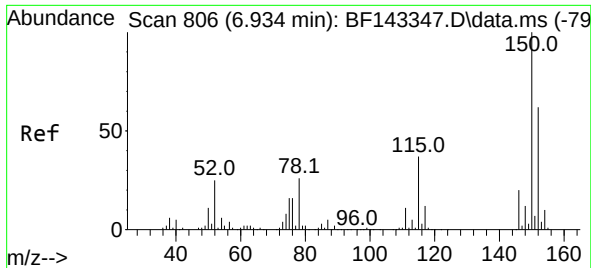
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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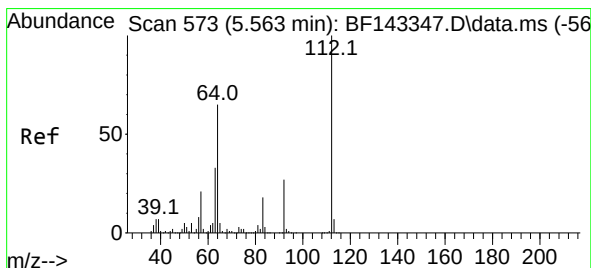
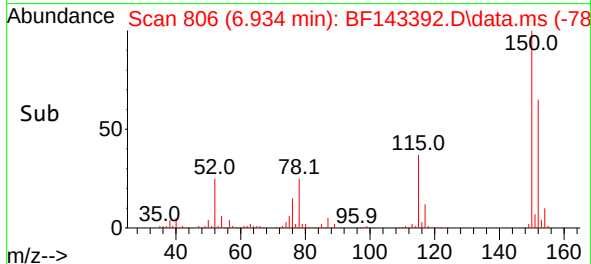
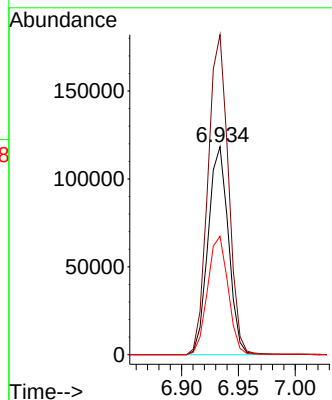
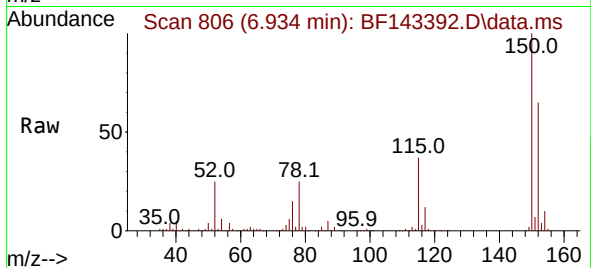




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

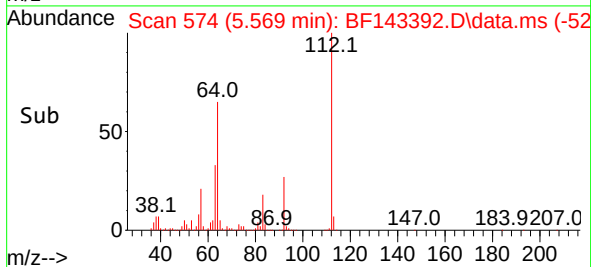
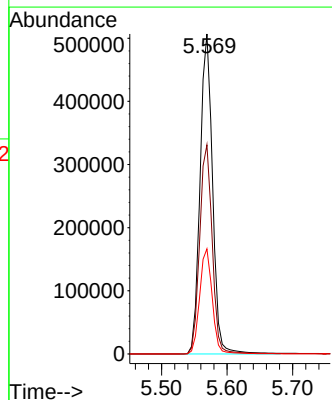
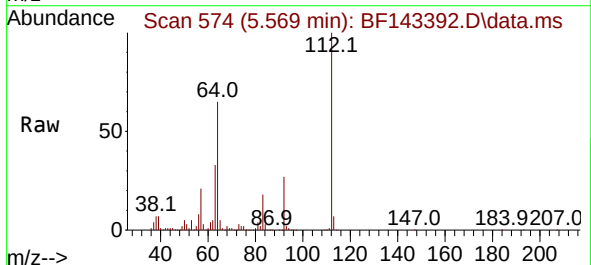
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

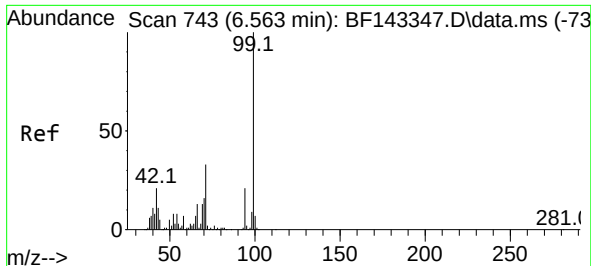
Tgt Ion:152 Resp: 147415
Ion Ratio Lower Upper
152 100
150 153.8 129.8 194.8
115 56.9 47.8 71.8



#5
2-Fluorophenol
Concen: 78.923 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:112 Resp: 672802
Ion Ratio Lower Upper
112 100
64 65.3 52.1 78.1
63 32.8 26.6 39.8

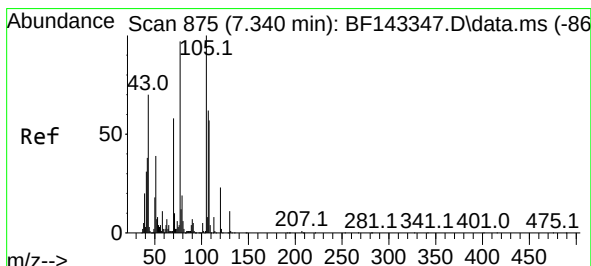
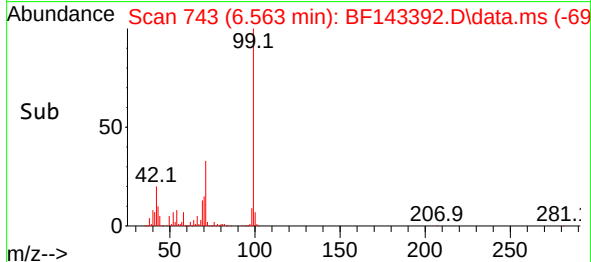
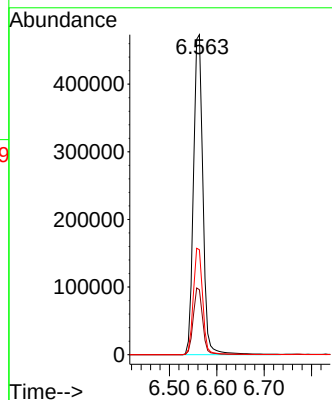
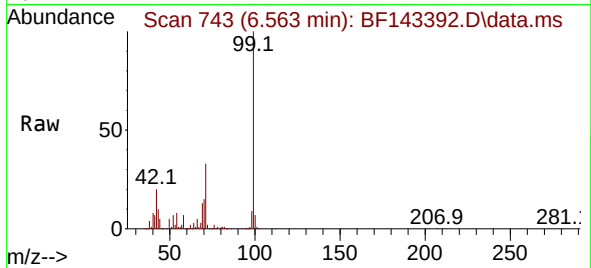




#7
Phenol-d6
Concen: 59.856 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

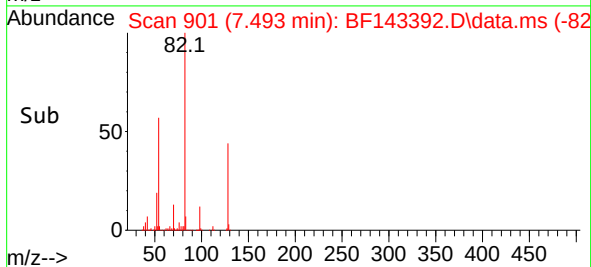
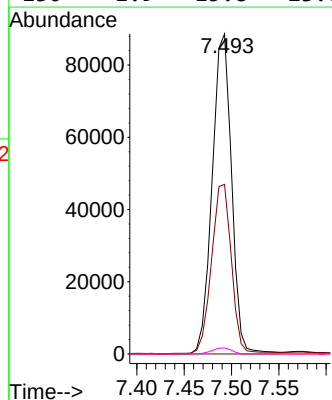
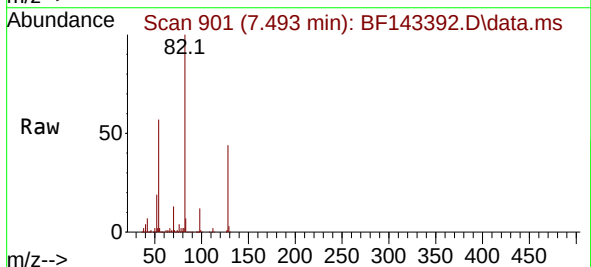
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

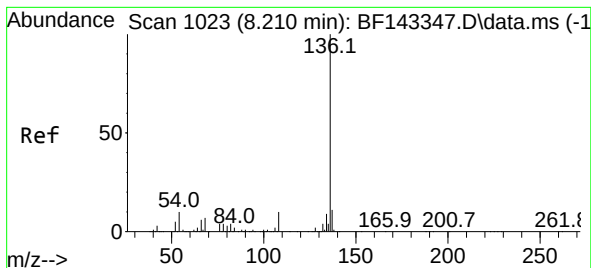
Tgt Ion: 99 Resp: 654335
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 32.8 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.683 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion: 70 Resp: 126203
Ion Ratio Lower Upper
70 100
42 53.0 51.6 77.4
101 0.0 7.5 11.3#
130 1.9 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E

Tgt Ion:136 Resp: 561051

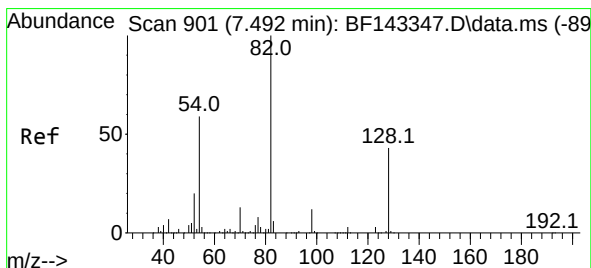
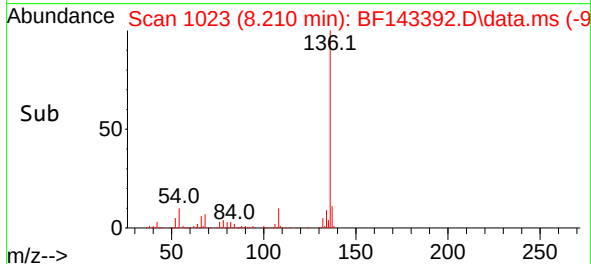
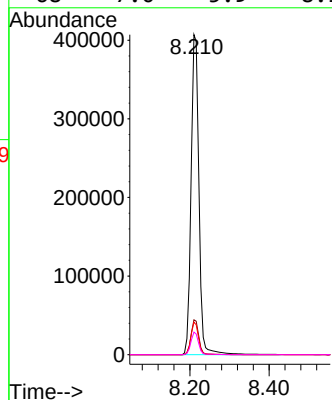
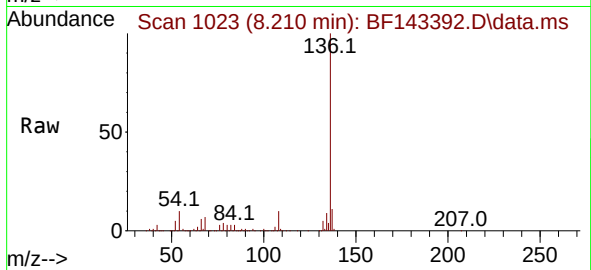
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.2 8.4 12.6

68 7.0 5.9 8.9



#23

Nitrobenzene-d5

Concen: 106.016 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

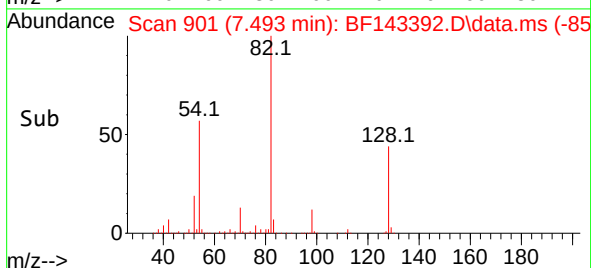
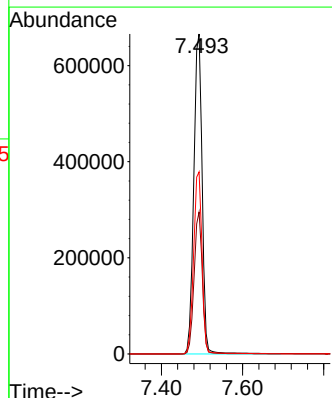
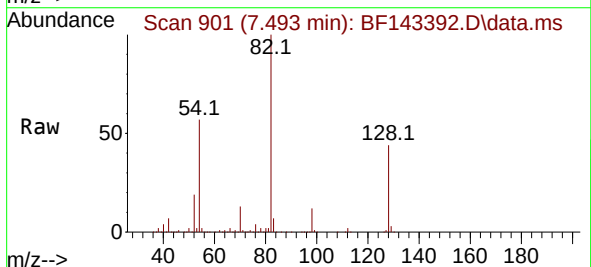
Tgt Ion: 82 Resp: 955148

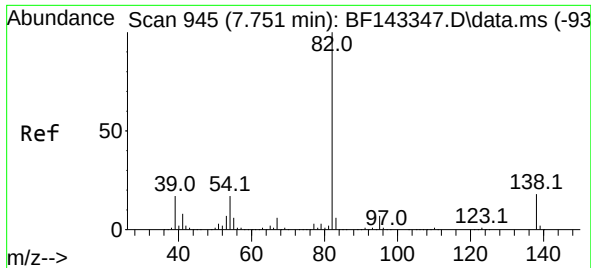
Ion Ratio Lower Upper

82 100

128 44.3 33.5 50.3

54 56.9 46.7 70.1

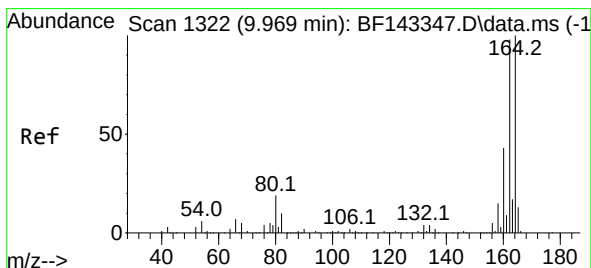
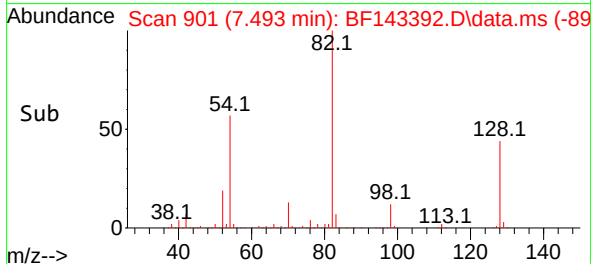
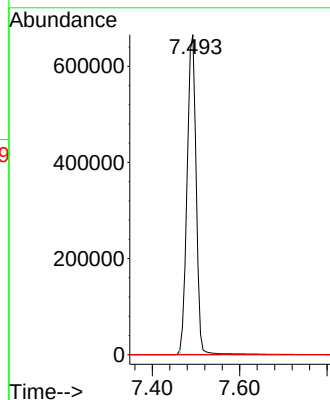
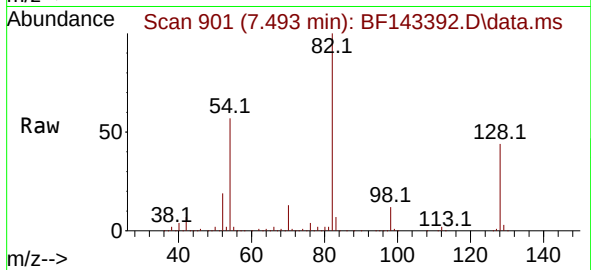




#25
Isophorone
Concen: 51.229 ng
RT: 7.493 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

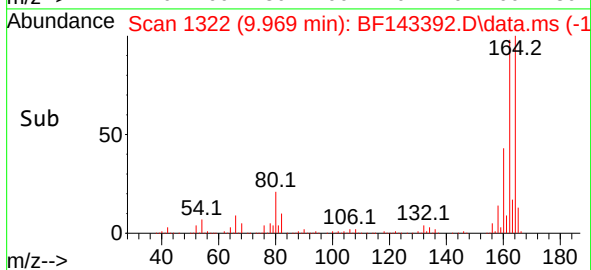
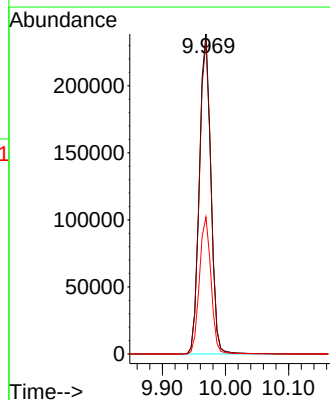
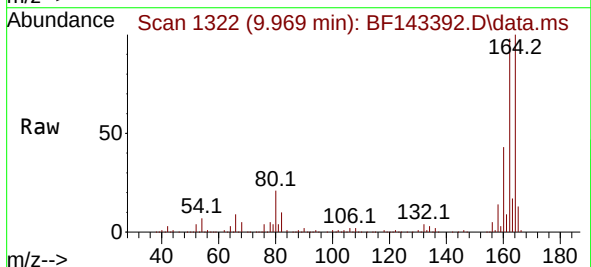
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

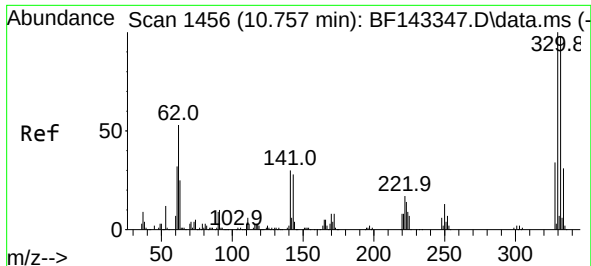
Tgt Ion: 82 Resp: 942224
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:164 Resp: 301049
Ion Ratio Lower Upper
164 100
162 97.8 78.6 118.0
160 42.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 169.414 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143392.D

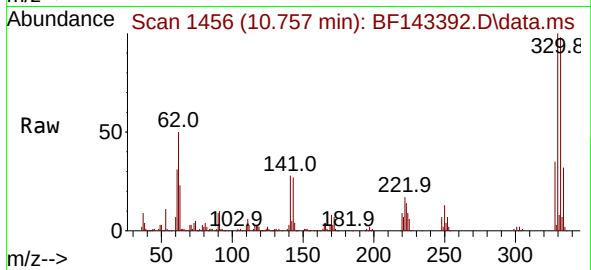
Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E



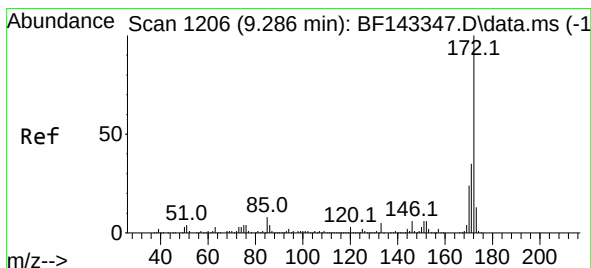
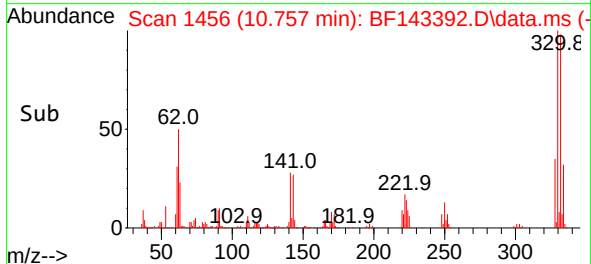
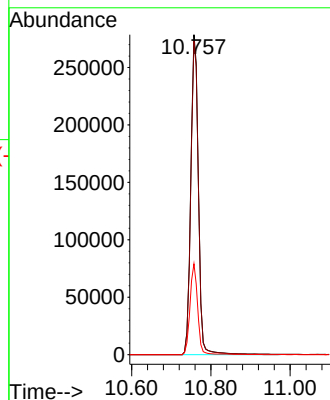
Tgt Ion:330 Resp: 372732

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

141 28.7 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 91.481 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

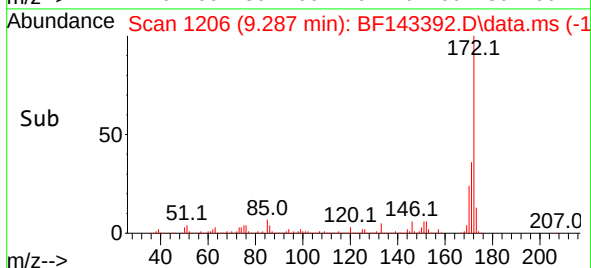
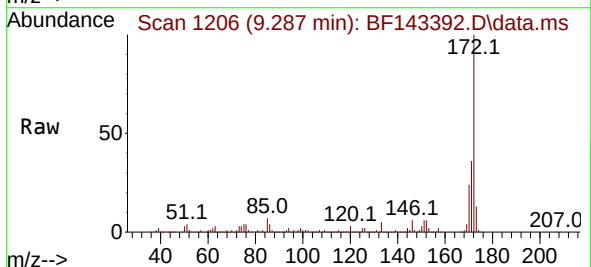
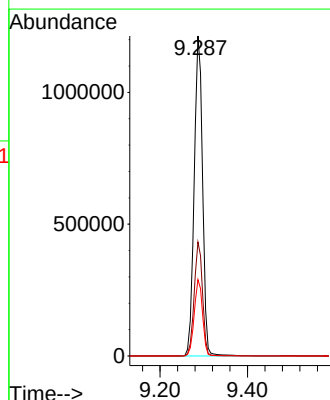
Tgt Ion:172 Resp: 1624069

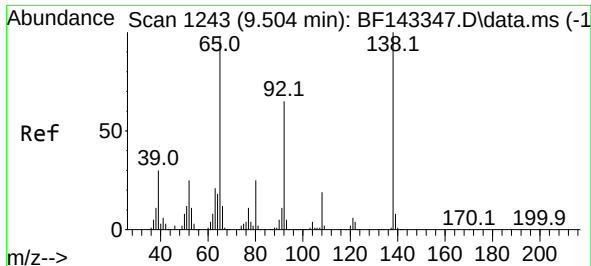
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.8 19.1 28.7

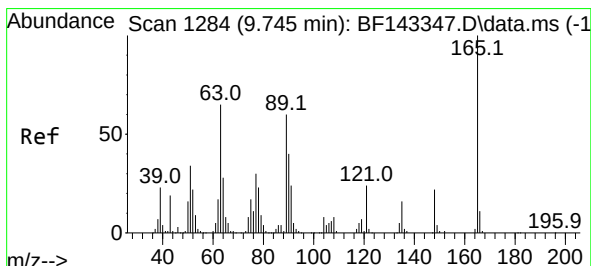
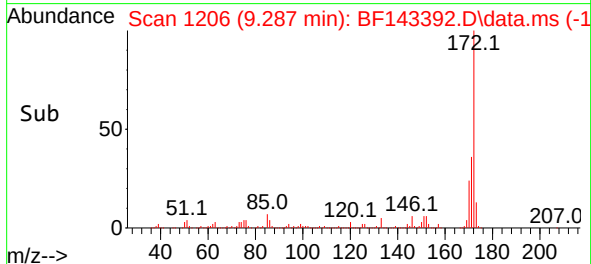
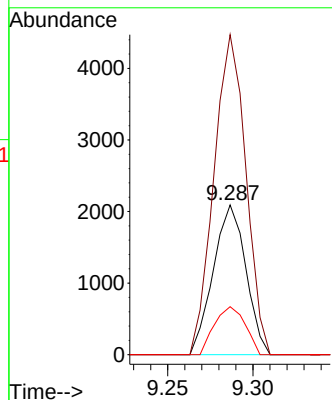
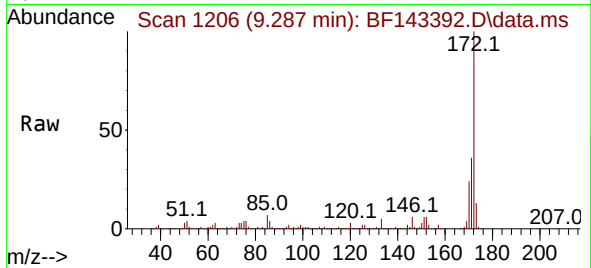




#48
2-Nitroaniline
Concen: 3.309 ng
RT: 9.287 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

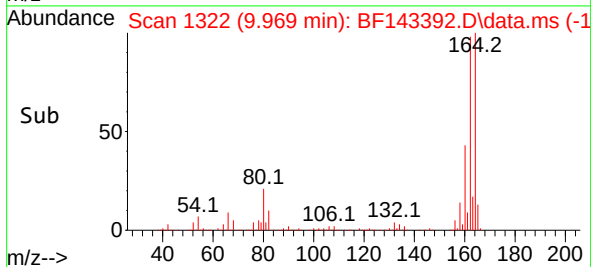
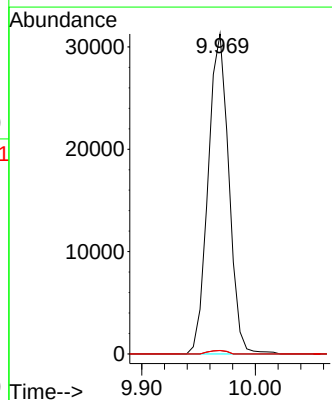
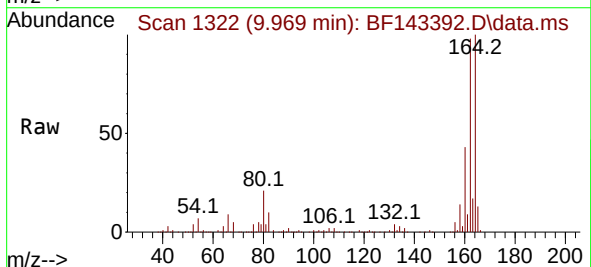
Instrument :
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TW-BP-E

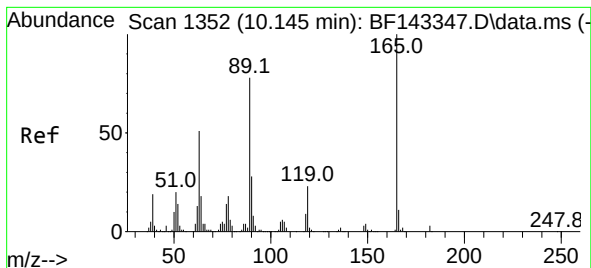
Tgt Ion: 65 Resp: 2785
Ion Ratio Lower Upper
65 100
92 213.6 53.1 79.7#
138 32.0 81.4 122.0#



#51
2,6-Dinitrotoluene
Concen: 14.144 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.224 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion: 165 Resp: 39667
Ion Ratio Lower Upper
165 100
63 1.0 51.6 77.4#
89 1.1 47.7 71.5#





#57

2,4-Dinitrotoluene

Concen: 11.430 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.176 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E

Tgt Ion:165 Resp: 39668

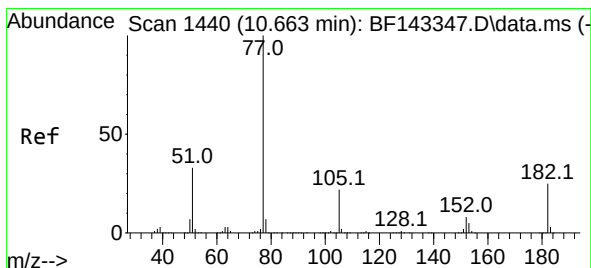
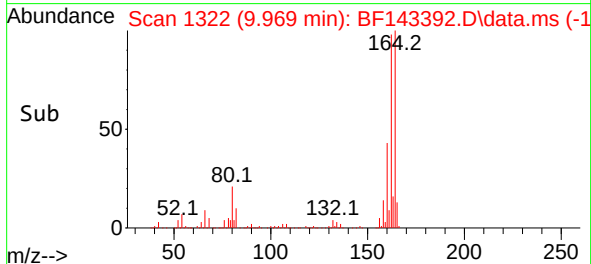
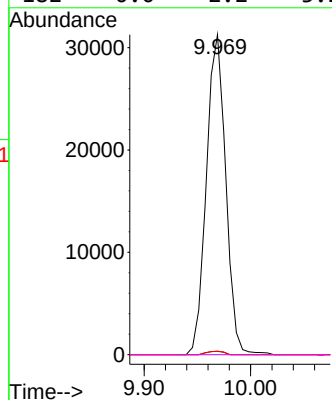
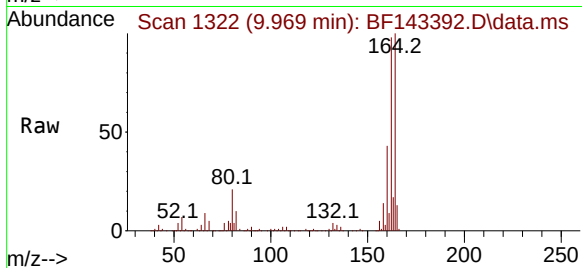
Ion Ratio Lower Upper

165 100

63 1.0 41.8 62.8#

89 1.1 62.4 93.6#

182 0.0 2.2 3.2#



#63

Azobenzene

Concen: 2.527 ng

RT: 10.681 min Scan# 1443

Delta R.T. 0.018 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Tgt Ion: 77 Resp: 45476

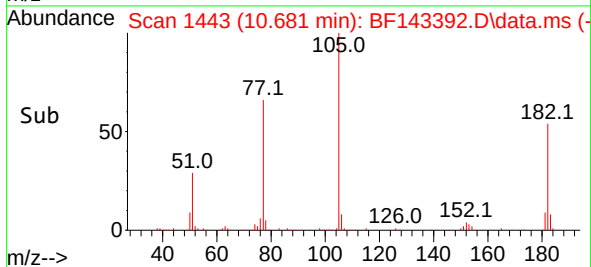
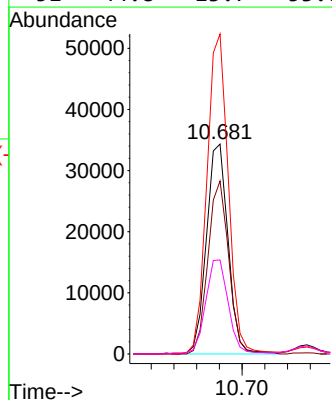
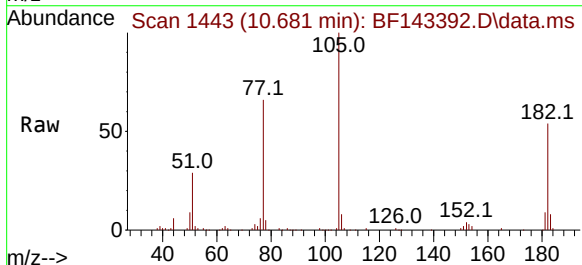
Ion Ratio Lower Upper

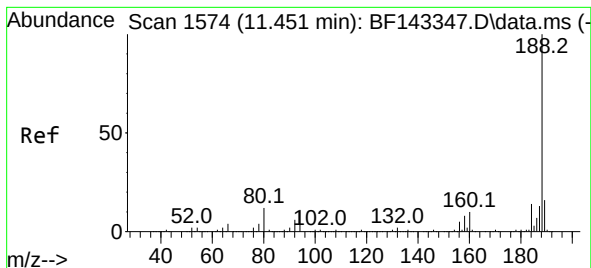
77 100

182 82.4 4.4 44.4#

105 152.4 1.8 41.8#

51 44.8 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E

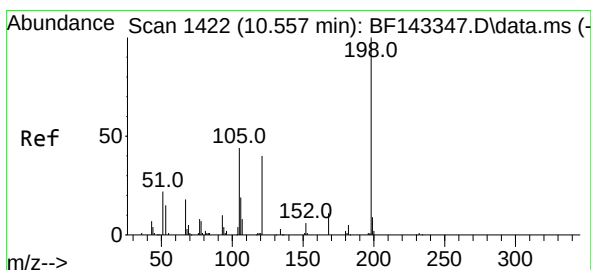
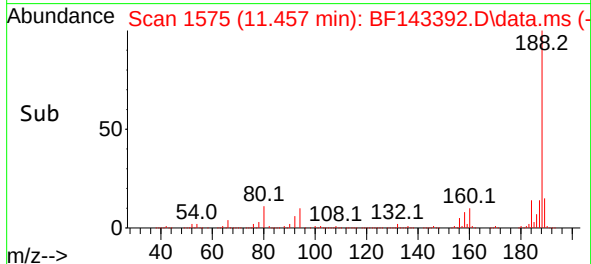
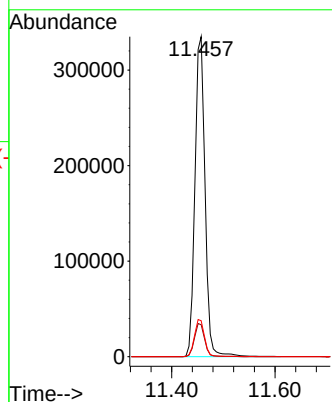
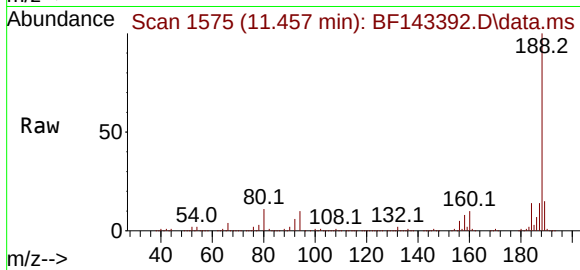
Tgt Ion:188 Resp: 453674

Ion Ratio Lower Upper

188 100

94 10.0 8.8 13.2

80 11.2 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.611 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

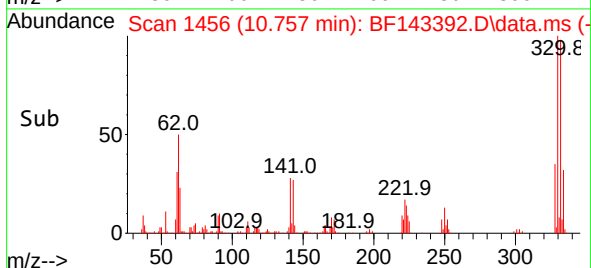
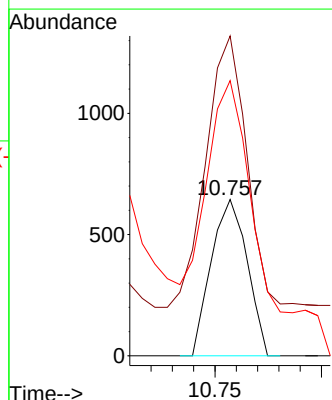
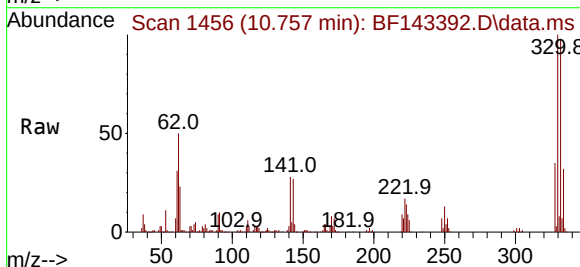
Tgt Ion:198 Resp: 757

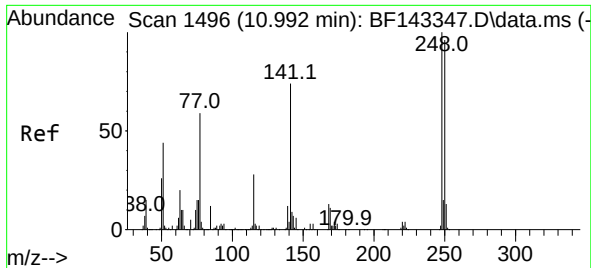
Ion Ratio Lower Upper

198 100

51 204.5 41.7 81.7#

105 176.0 26.8 66.8#

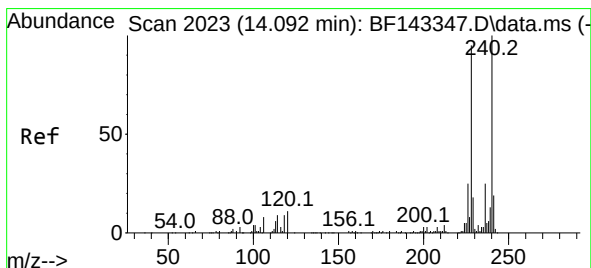
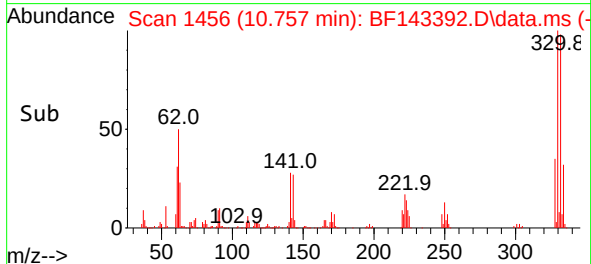
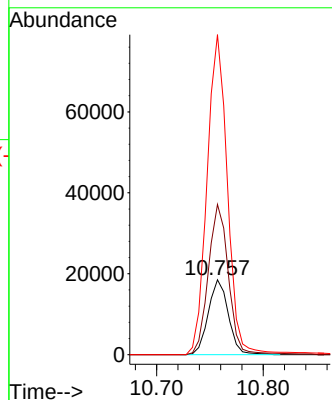
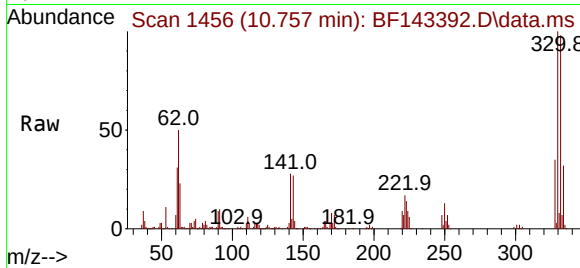




#67
4-Bromophenyl-phenylether
Concen: 4.691 ng
RT: 10.757 min Scan# 1496
Delta R.T. -0.235 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

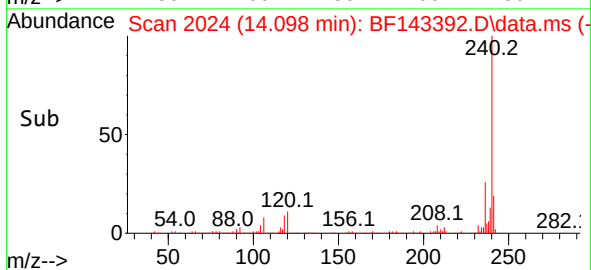
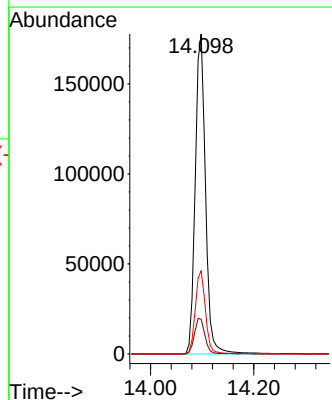
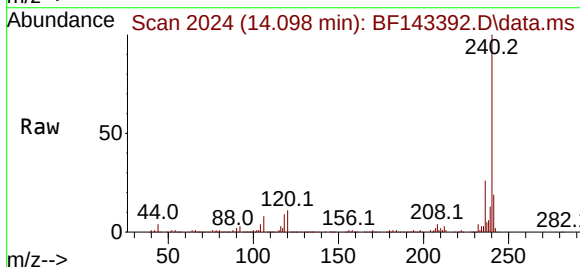
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

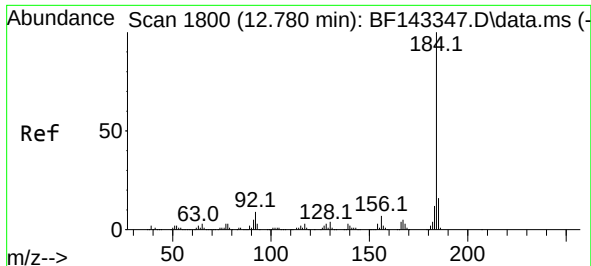
Tgt Ion:248 Resp: 24339
Ion Ratio Lower Upper
248 100
250 200.8 77.1 115.7#
141 427.7 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:240 Resp: 245304
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 26.0 19.9 29.9

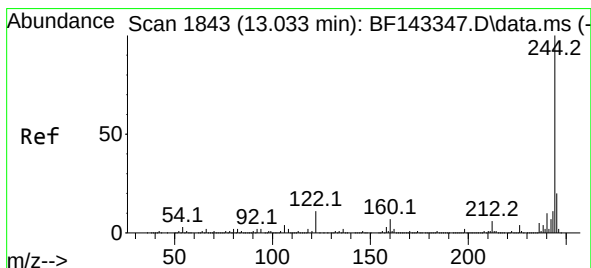
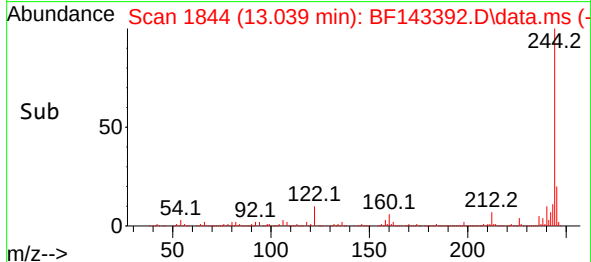
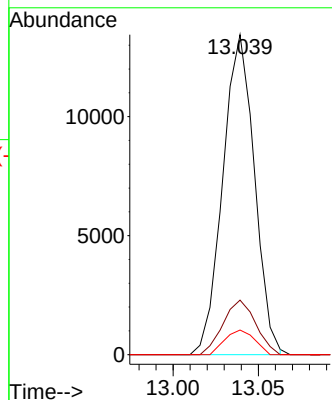
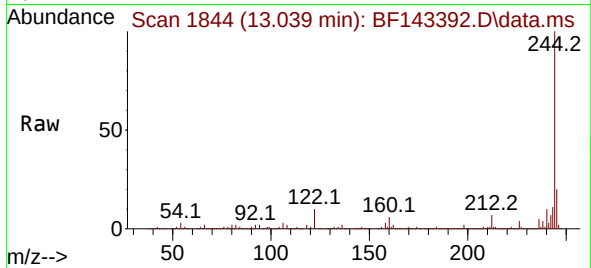




#77
Benzidine
Concen: 2.586 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

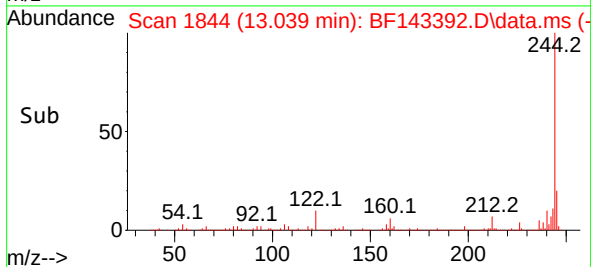
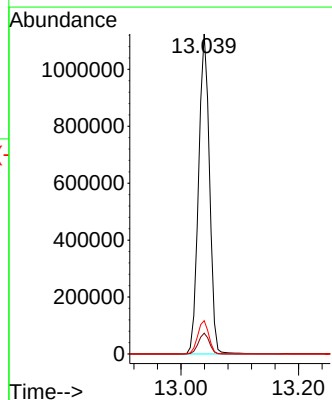
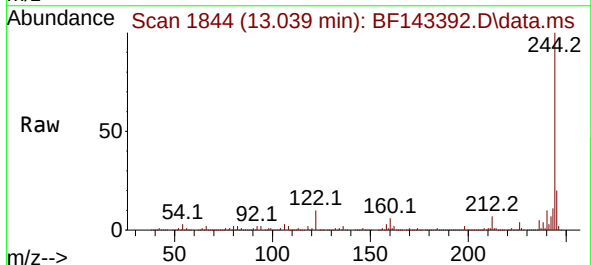
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

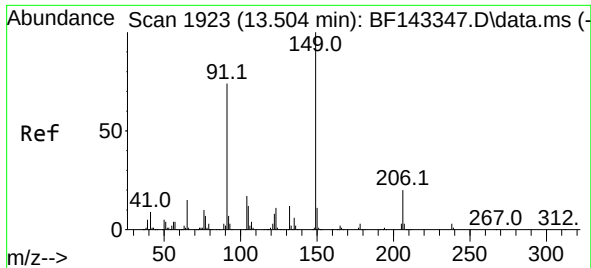
Tgt Ion:184 Resp: 17346
Ion Ratio Lower Upper
184 100
185 17.0 12.8 19.2
183 7.7 9.3 13.9#



#79
Terphenyl-d14
Concen: 105.398 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:244 Resp: 1448163
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.4 8.9 13.3

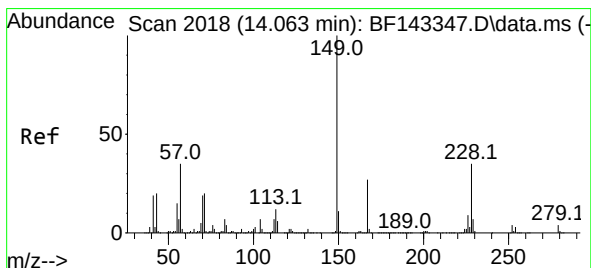
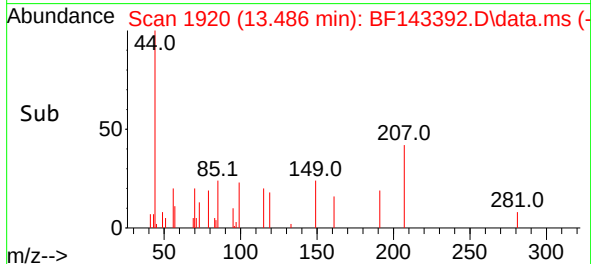
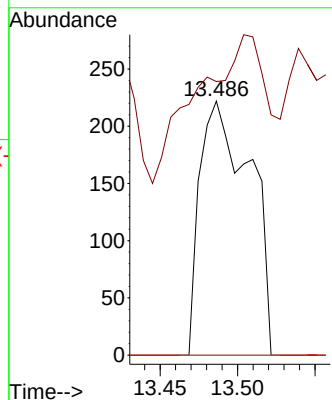
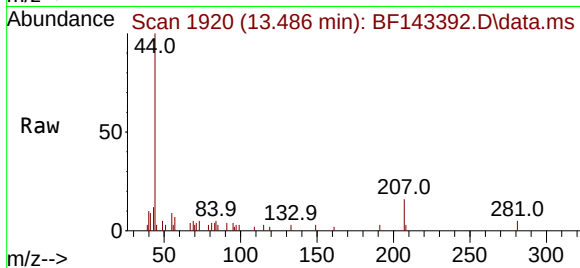




#80
 Butylbenzylphthalate
 Concen: 3.465 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.018 min
 Lab File: BF143392.D
 Acq: 14 Aug 2025 20:26

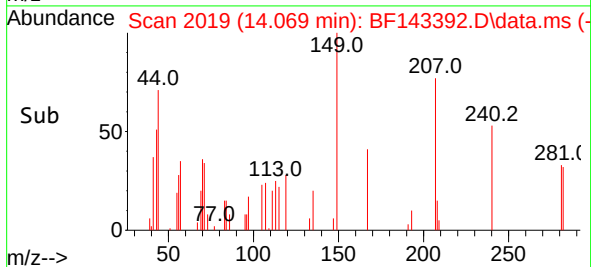
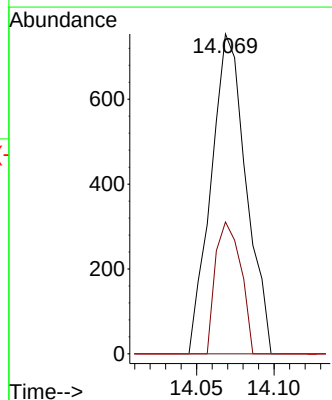
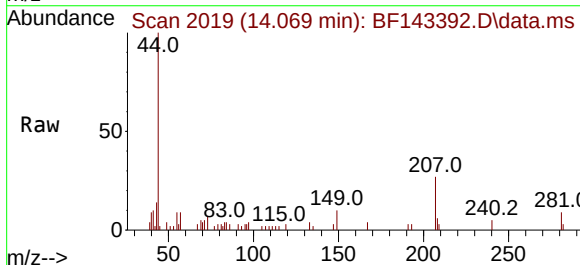
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-E

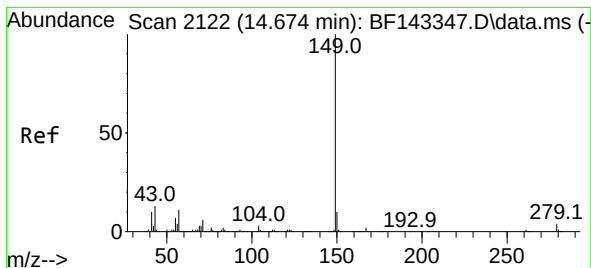
Tgt Ion:149 Resp: 500
 Ion Ratio Lower Upper
 149 100
 91 107.7 58.8 88.2#
 206 0.0 16.4 24.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.171 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF143392.D
 Acq: 14 Aug 2025 20:26

Tgt Ion:149 Resp: 1185
 Ion Ratio Lower Upper
 149 100
 167 41.2 21.4 32.0#
 279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.048 ng

RT: 14.680 min Scan# 2122

Delta R.T. 0.006 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E

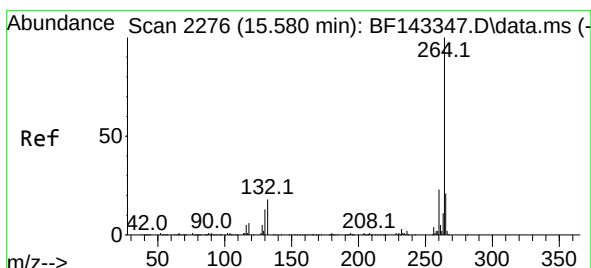
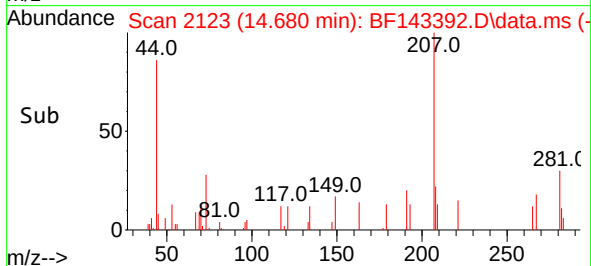
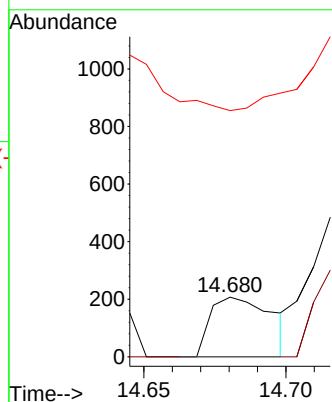
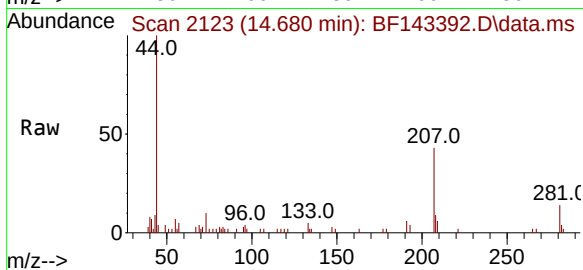
Tgt Ion:149 Resp: 313

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: BF143392.D

Acq: 14 Aug 2025 20:26

Tgt Ion:264 Resp: 285132

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.0 17.2 25.8

