

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143404.D
 Acq On : 15 Aug 2025 06:22
 Operator : RC/JU
 Sample : Q2815-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-10PC-W

Quant Time: Aug 15 07:48:24 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)

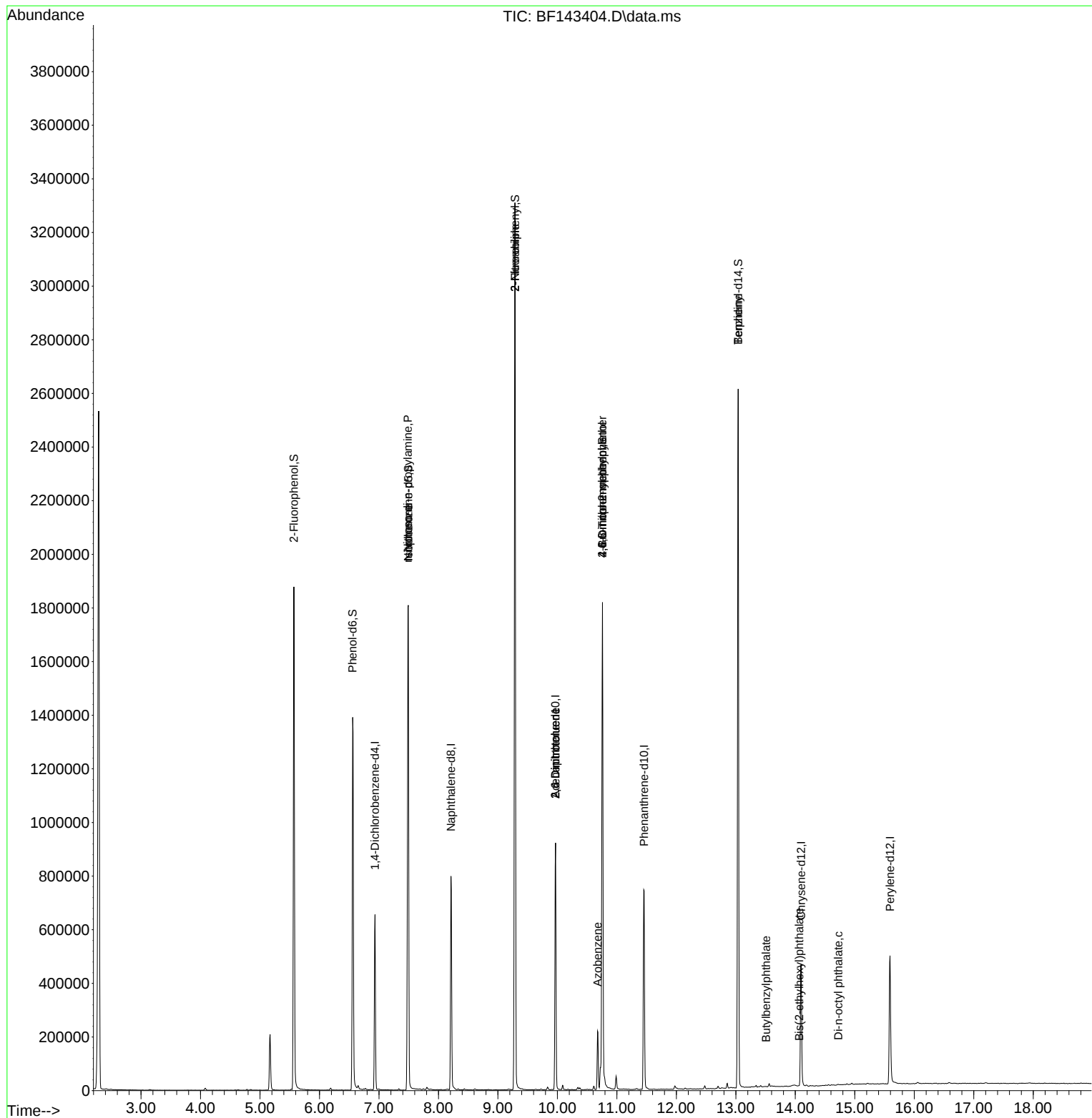
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	137941	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	524967	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279779	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	405971	20.000	ng	0.00
76) Chrysene-d12	14.098	240	246476	20.000	ng	0.00
86) Perylene-d12	15.592	264	306529	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	679511	85.185	ng	0.00
7) Phenol-d6	6.557	99	650411	63.583	ng	0.00
23) Nitrobenzene-d5	7.492	82	868383	103.011	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	328633	160.725	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1510905	91.577	ng	0.00
79) Terphenyl-d14	13.039	244	1295774	93.859	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	116605	18.448	ng	# 79
25) Isophorone	7.492	82	856821	49.788	ng	# 65
48) 2-Nitroaniline	9.286	65	2542	3.299	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	36747	14.108	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	36747	11.403	ng	# 19
63) Azobenzene	10.675	77	54880	3.281	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	679	7.612	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	21231	4.573	ng	# 1
77) Benzidine	13.039	184	14982	2.223	ng	# 96
80) Butylbenzylphthalate	13.510	149	376	3.436	ng	# 76
84) Bis(2-ethylhexyl)phtha...	14.068	149	977	4.139	ng	# 91
85) Di-n-octyl phthalate	14.721	149	318	6.048	ng	# 70

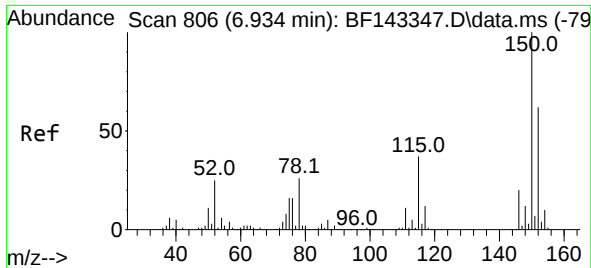
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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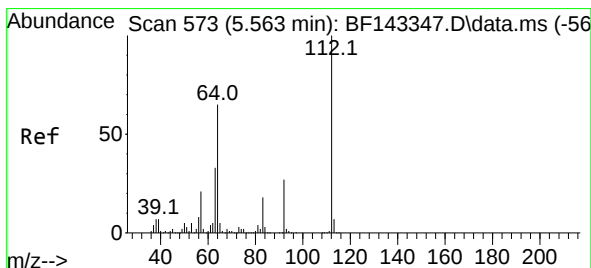
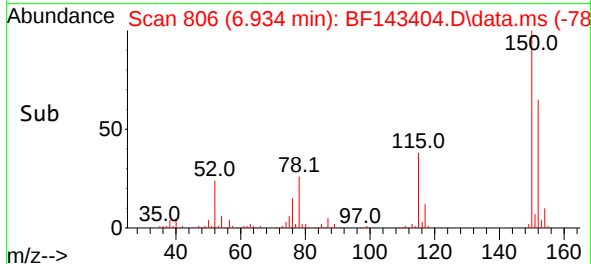
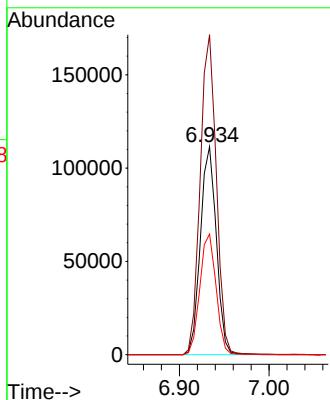
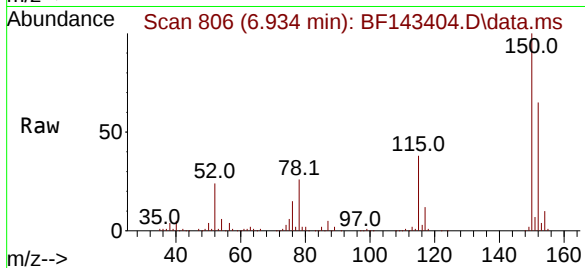




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

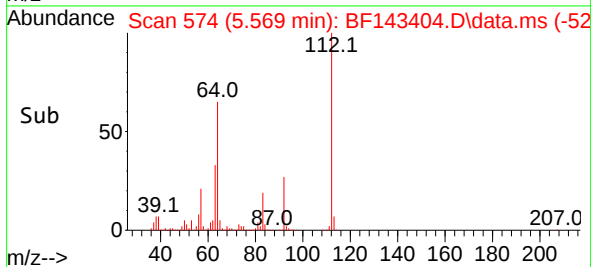
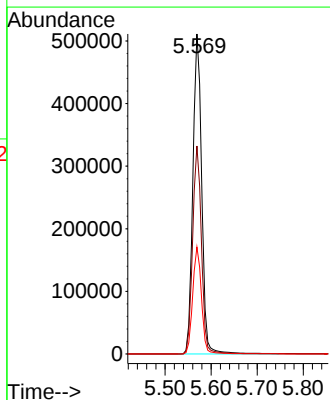
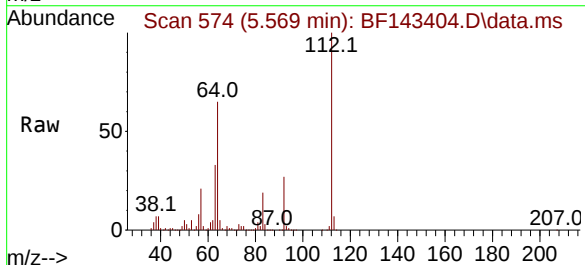
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

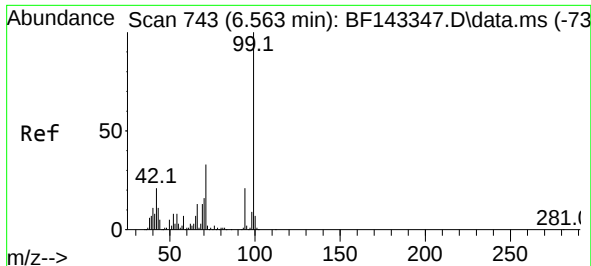
Tgt Ion:152 Resp: 137941
Ion Ratio Lower Upper
152 100
150 153.9 129.8 194.8
115 58.0 47.8 71.8



#5
2-Fluorophenol
Concen: 85.185 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:112 Resp: 679511
Ion Ratio Lower Upper
112 100
64 65.0 52.1 78.1
63 33.4 26.6 39.8

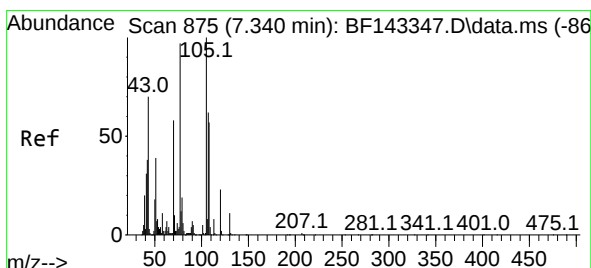
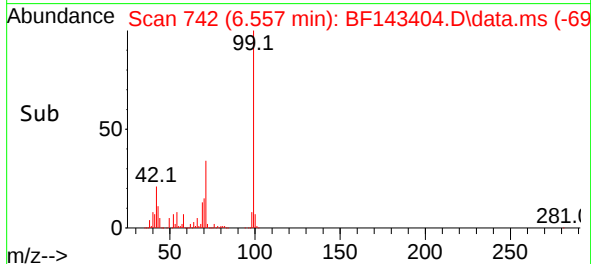
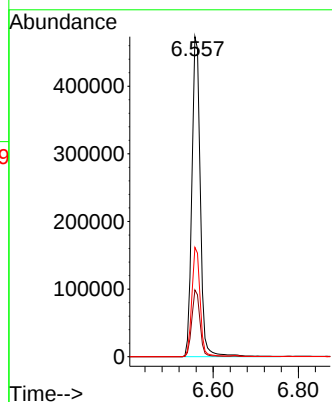
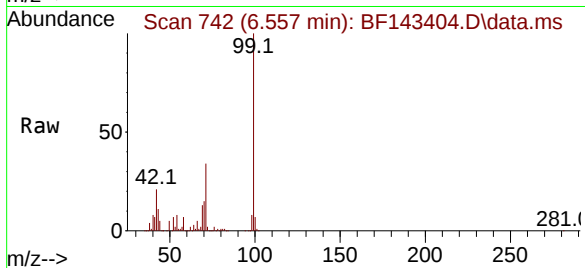




#7
Phenol-d6
Concen: 63.583 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

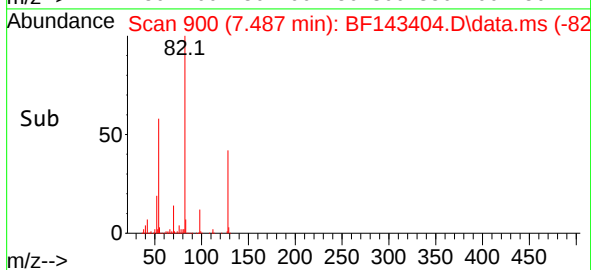
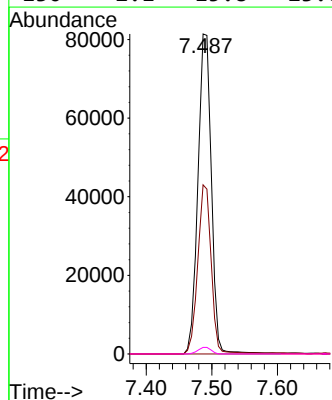
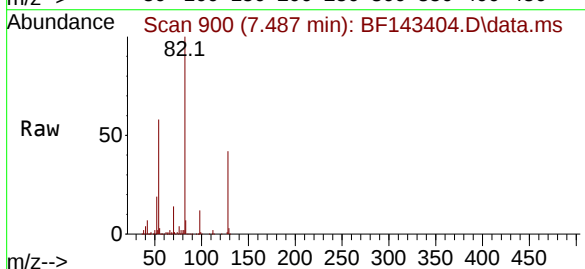
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

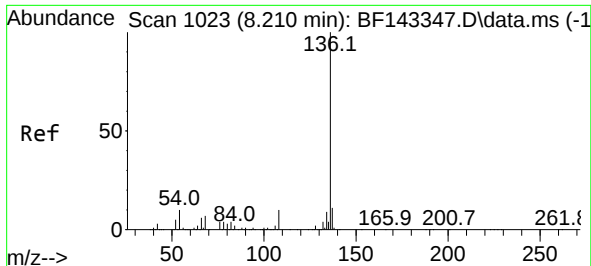
Tgt Ion: 99 Resp: 650411
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 34.2 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.448 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion: 70 Resp: 116605
Ion Ratio Lower Upper
70 100
42 52.9 51.6 77.4
101 0.0 7.5 11.3#
130 2.1 15.8 23.6#

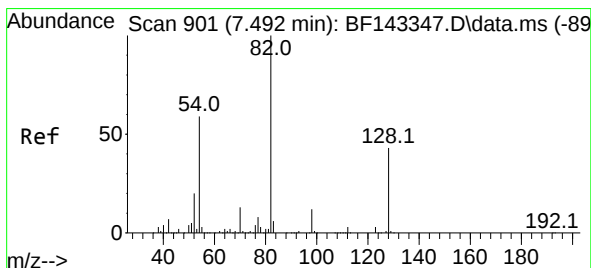
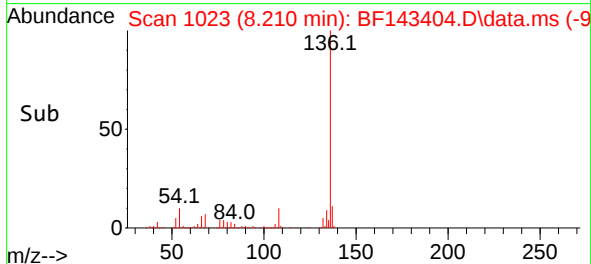
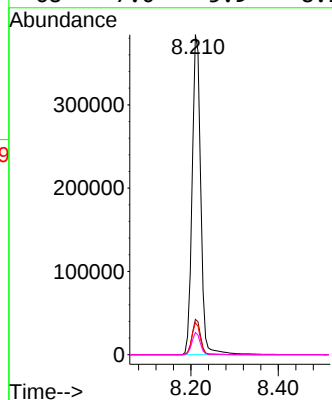
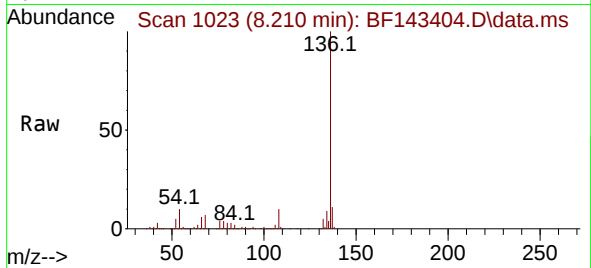




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

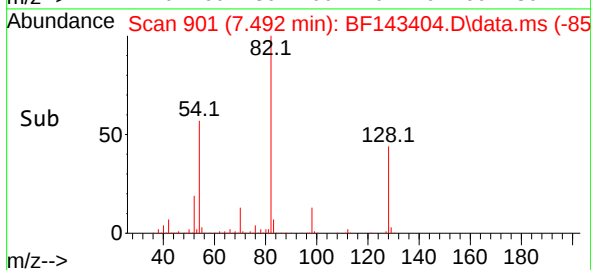
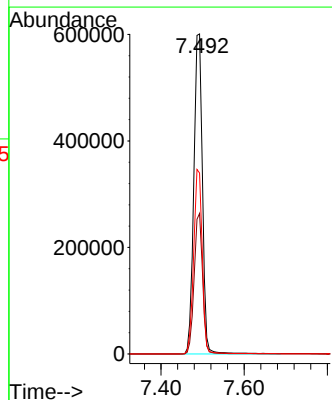
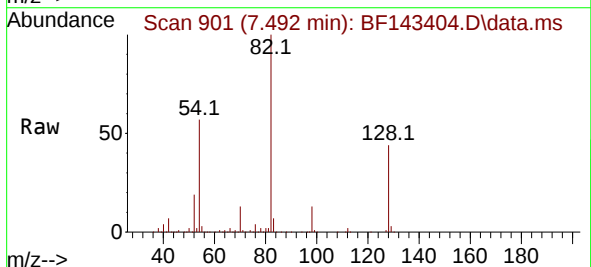
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

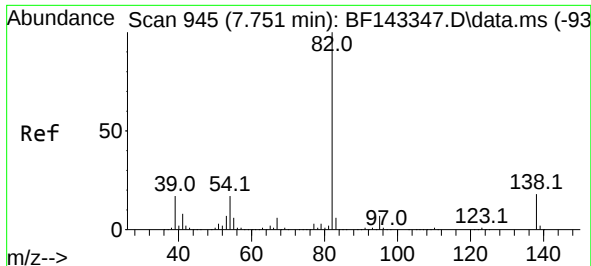
Tgt Ion:	136	Resp:	524967
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.0	8.4	12.6
68	7.0	5.9	8.9



#23
Nitrobenzene-d5
Concen: 103.011 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:	82	Resp:	868383
Ion Ratio	Lower	Upper	
82	100		
128	43.9	33.5	50.3
54	56.5	46.7	70.1

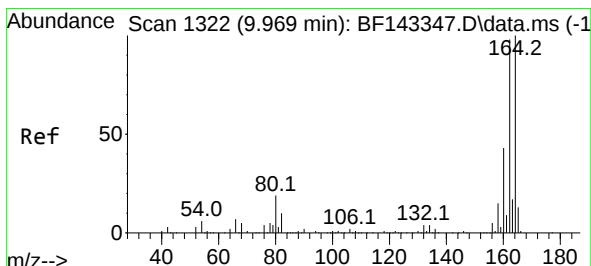
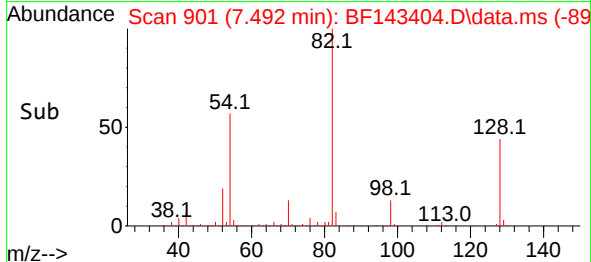
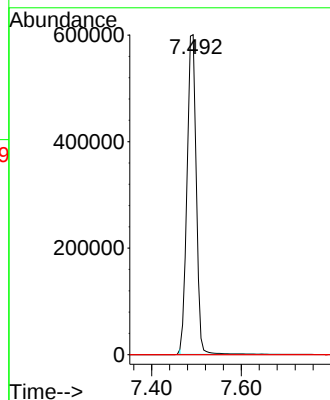
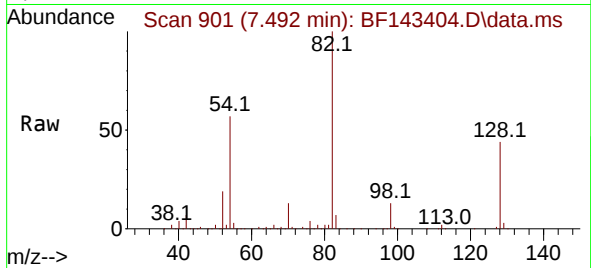




#25
Isophorone
Concen: 49.788 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

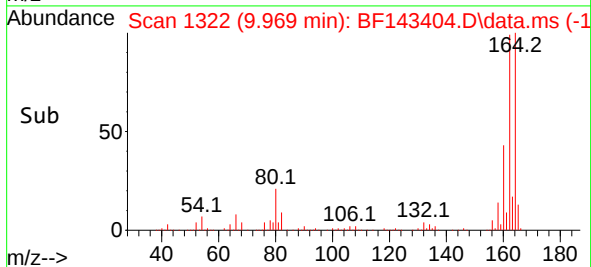
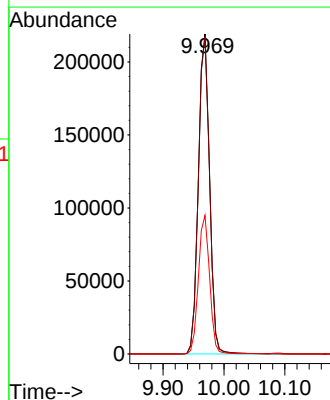
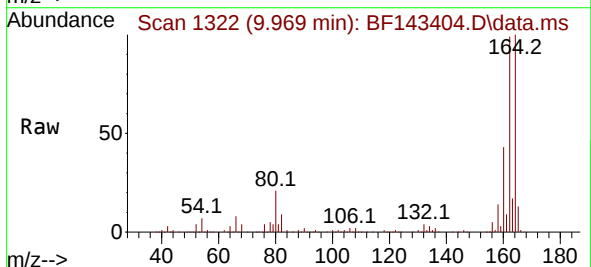
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

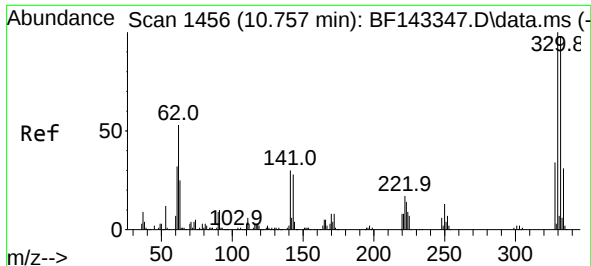
Tgt Ion: 82 Resp: 856821
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:164 Resp: 279779
Ion Ratio Lower Upper
164 100
162 99.0 78.6 118.0
160 43.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 160.725 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143404.D

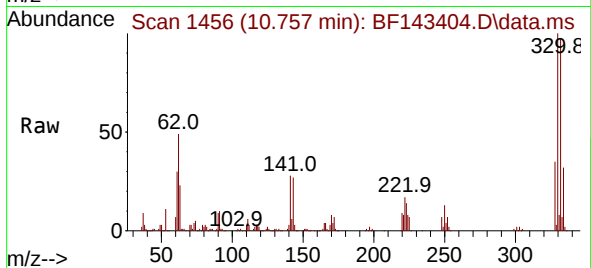
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Instrument :

BNA_F

ClientSampleId :

TW-10PC-W



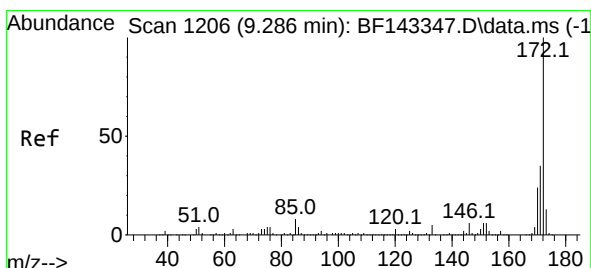
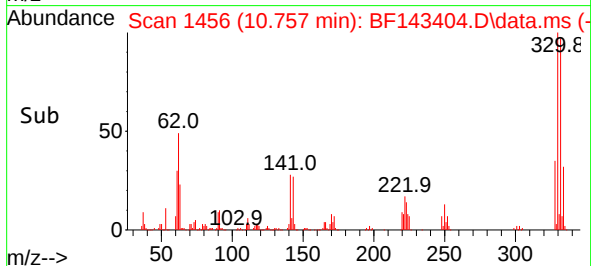
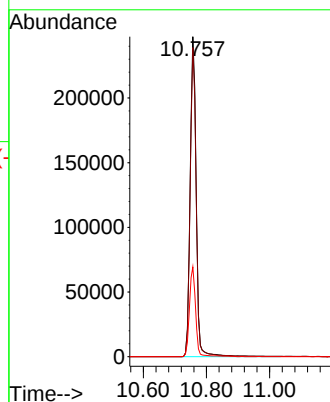
Tgt Ion:330 Resp: 328633

Ion Ratio Lower Upper

330 100

332 96.5 78.1 117.1

141 28.8 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 91.577 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

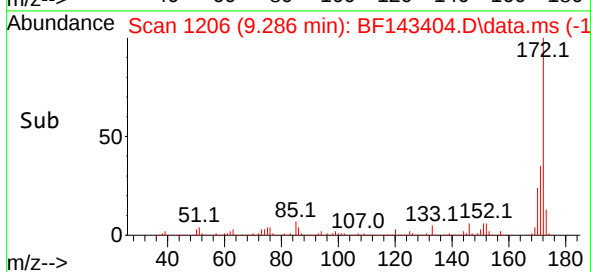
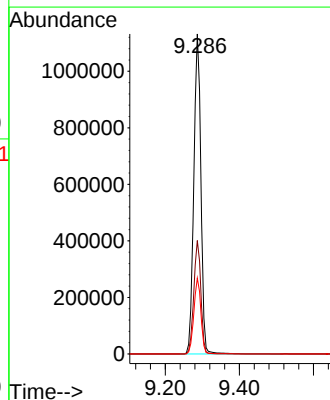
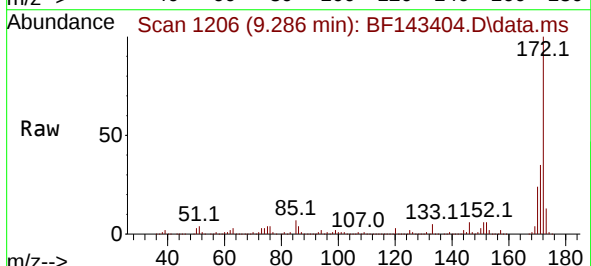
Tgt Ion:172 Resp: 1510905

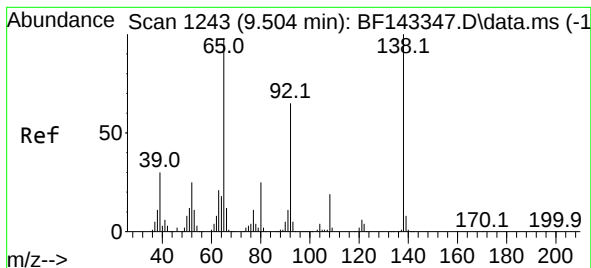
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.1 28.7





#48

2-Nitroaniline

Concen: 3.299 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.218 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W

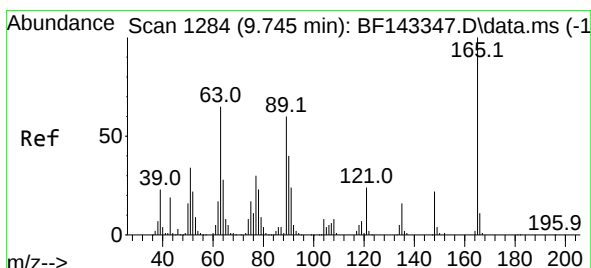
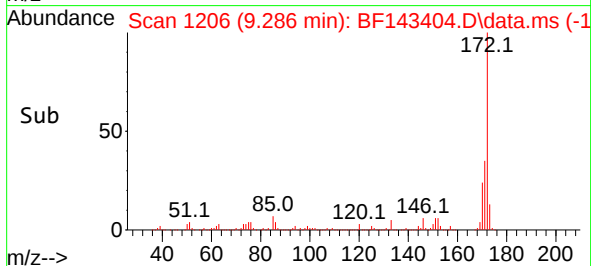
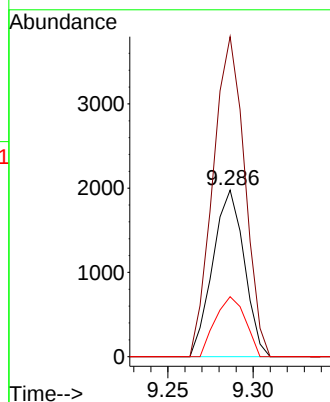
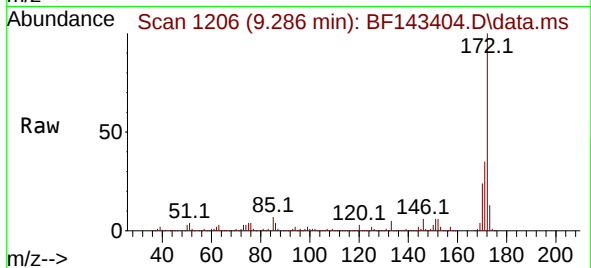
Tgt Ion: 65 Resp: 2542

Ion Ratio Lower Upper

65 100

92 192.1 53.1 79.7#

138 36.1 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 14.108 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.224 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

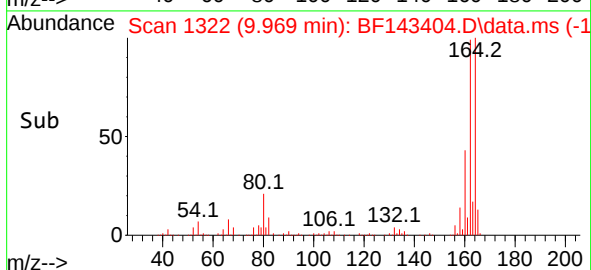
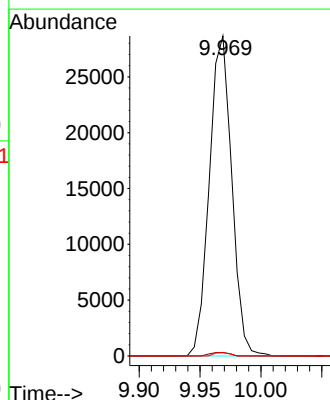
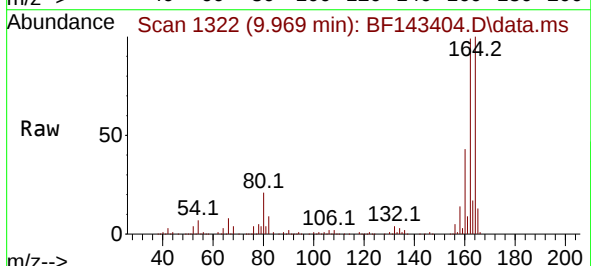
Tgt Ion: 165 Resp: 36747

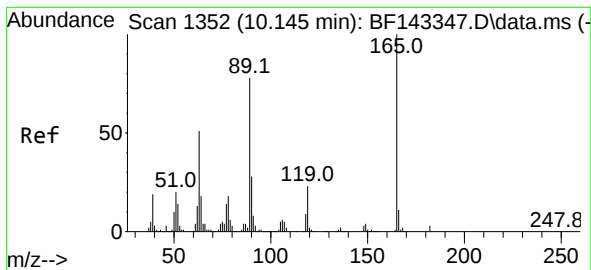
Ion Ratio Lower Upper

165 100

63 1.1 51.6 77.4#

89 1.0 47.7 71.5#

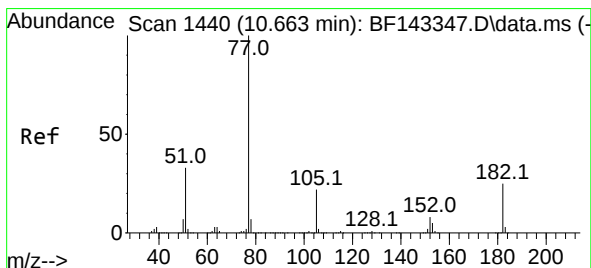
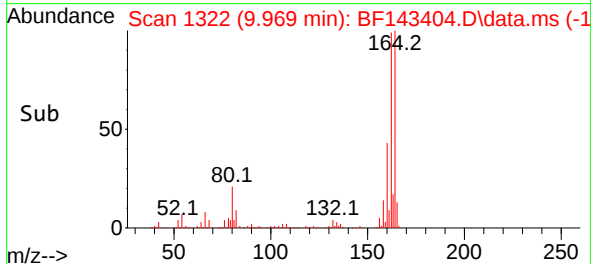
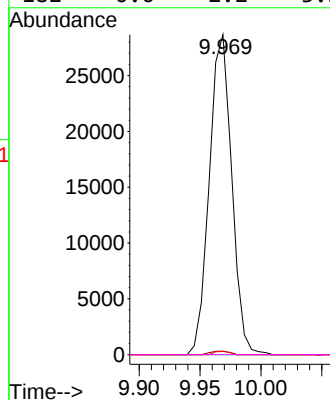
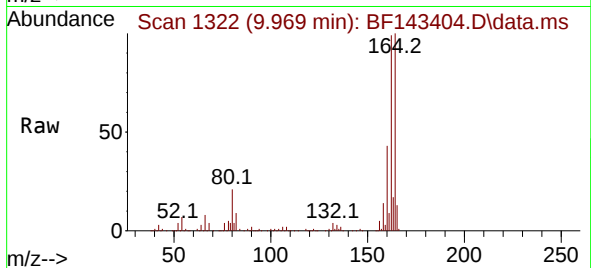




#57
2,4-Dinitrotoluene
Concen: 11.403 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

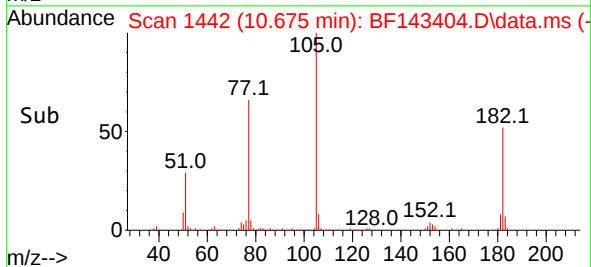
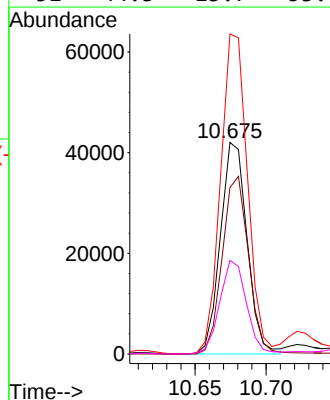
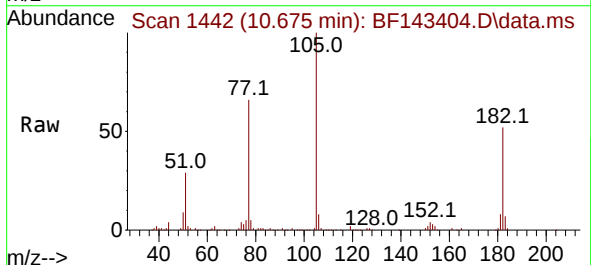
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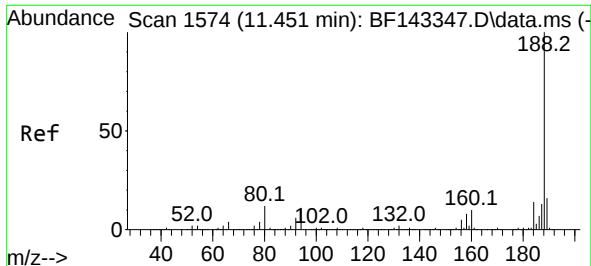
Tgt Ion:165 Resp: 36747
Ion Ratio Lower Upper
165 100
63 1.1 41.8 62.8#
89 1.0 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.281 ng
RT: 10.675 min Scan# 1442
Delta R.T. 0.012 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion: 77 Resp: 54880
Ion Ratio Lower Upper
77 100
182 78.7 4.4 44.4#
105 151.3 1.8 41.8#
51 44.3 13.7 53.7

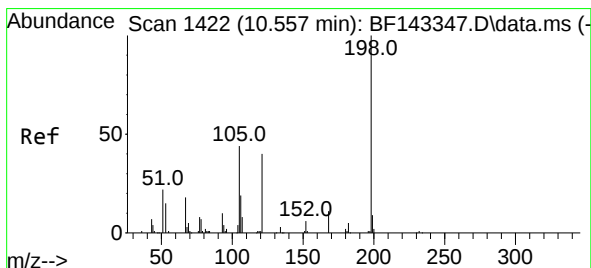
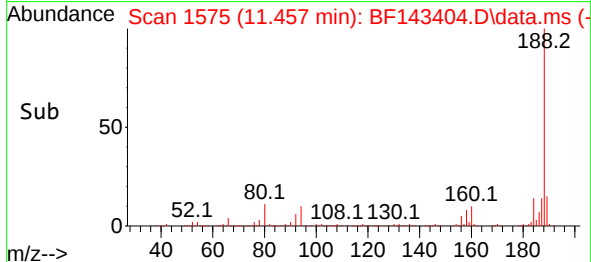
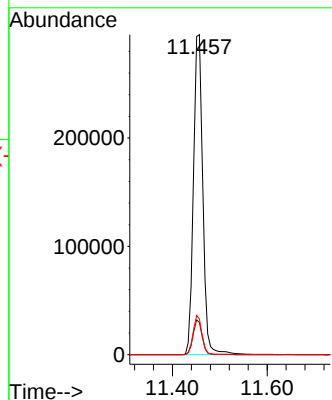
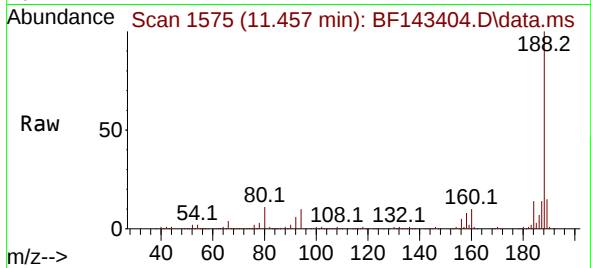




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

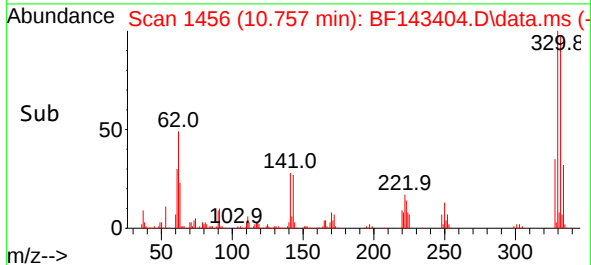
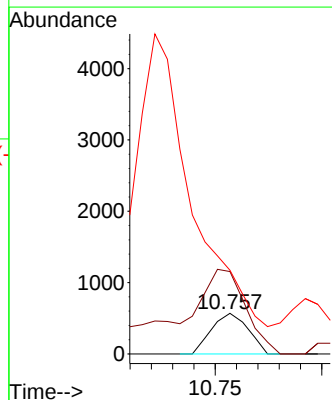
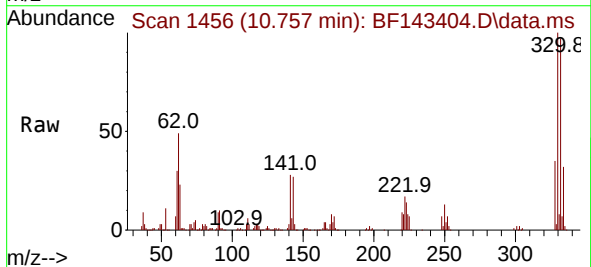
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

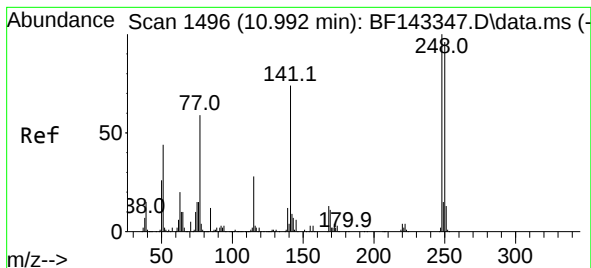
Tgt Ion:188 Resp: 405971
Ion Ratio Lower Upper
188 100
94 10.1 8.8 13.2
80 11.1 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.612 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:198 Resp: 679
Ion Ratio Lower Upper
198 100
51 202.8 41.7 81.7#
105 206.0 26.8 66.8#

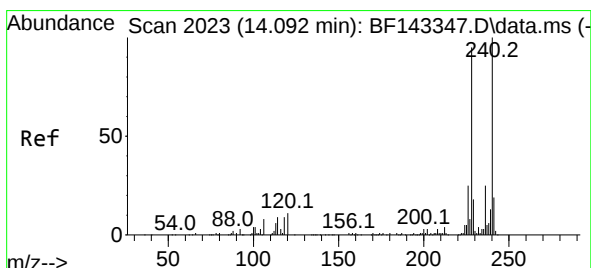
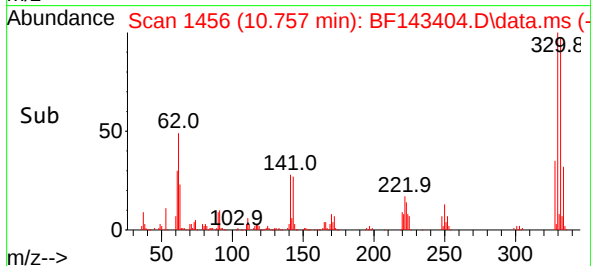
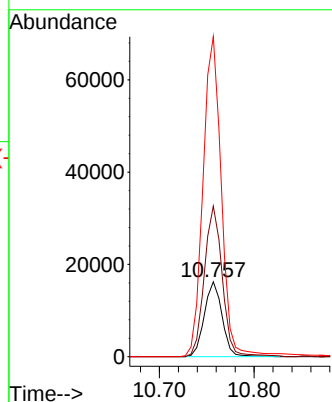
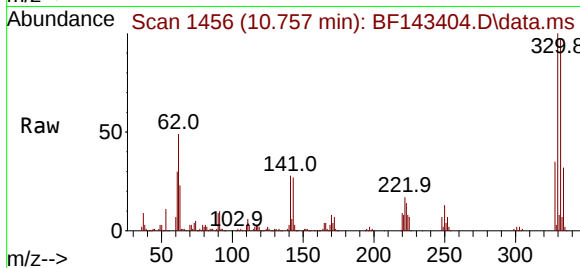




#67
4-Bromophenyl-phenylether
Concen: 4.573 ng
RT: 10.757 min Scan# 1496
Delta R.T. -0.235 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

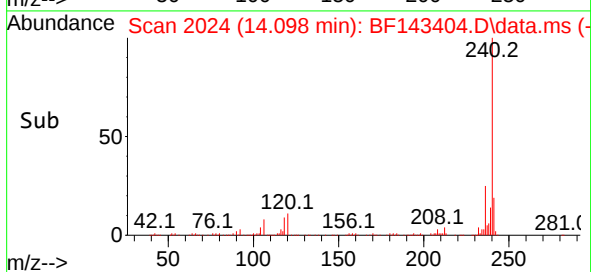
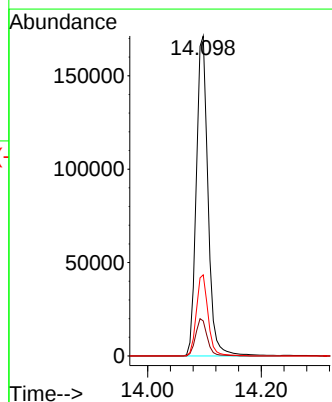
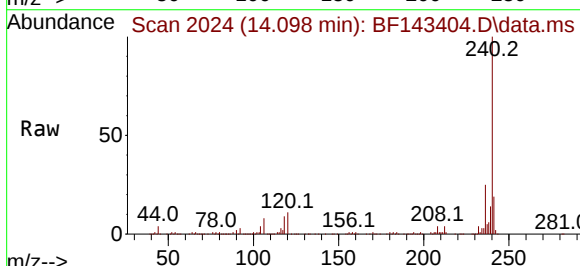
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

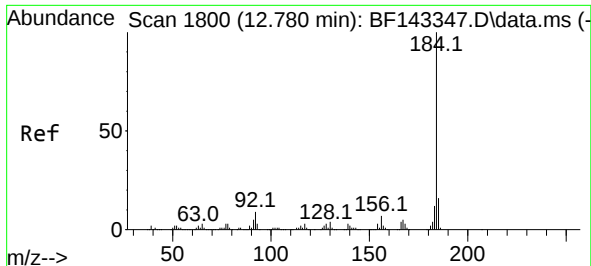
Tgt Ion:248 Resp: 21231
Ion Ratio Lower Upper
248 100
250 201.2 77.1 115.7#
141 427.4 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:240 Resp: 246476
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.3 19.9 29.9

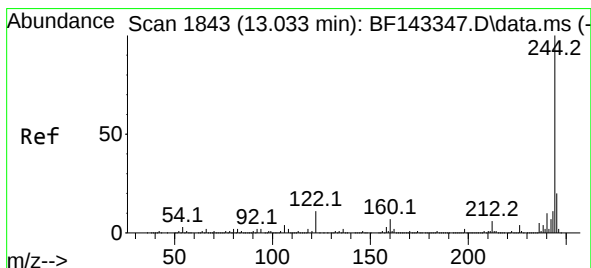
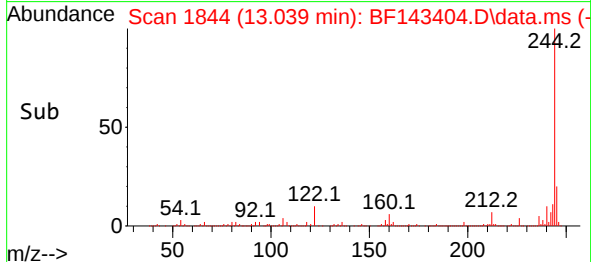
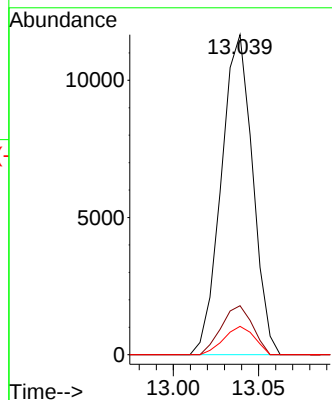
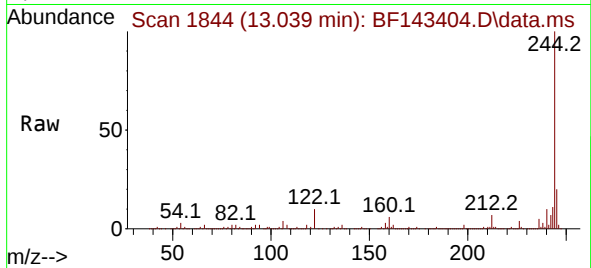




#77
Benzidine
Concen: 2.223 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

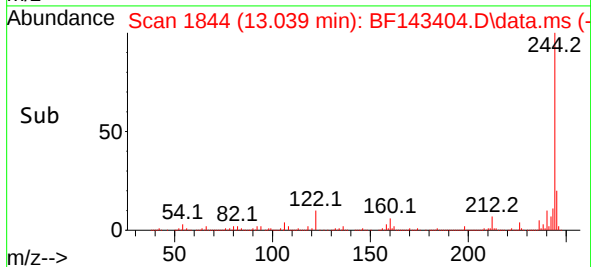
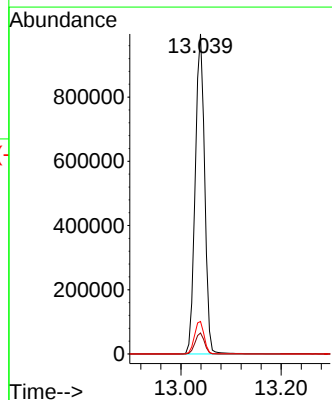
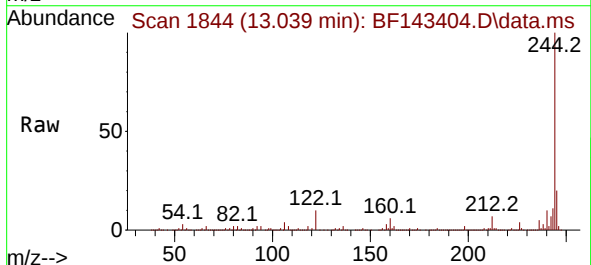
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

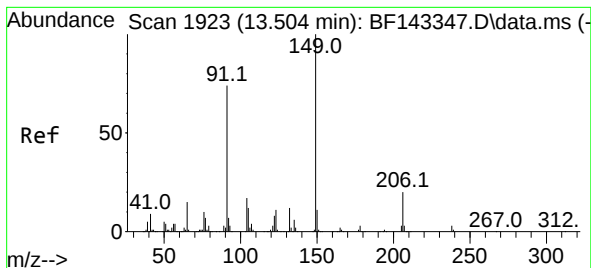
Tgt Ion:184 Resp: 14982
Ion Ratio Lower Upper
184 100
185 15.3 12.8 19.2
183 8.8 9.3 13.9#



#79
Terphenyl-d14
Concen: 93.859 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:244 Resp: 1295774
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.1 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.436 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W

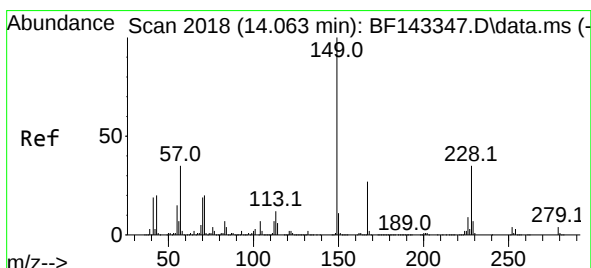
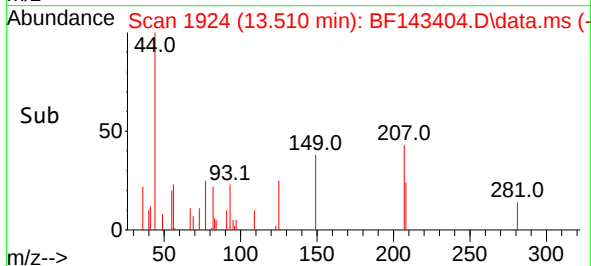
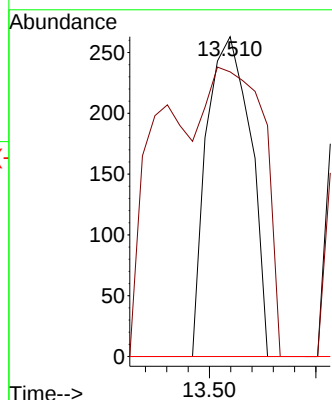
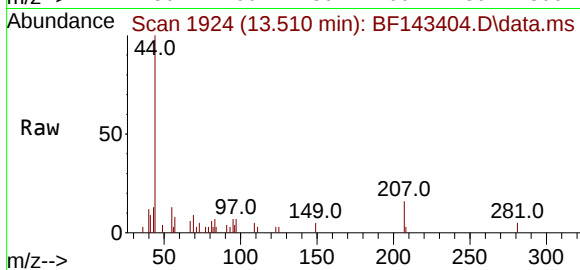
Tgt Ion:149 Resp: 376

Ion Ratio Lower Upper

149 100

91 89.0 58.8 88.2#

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.139 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

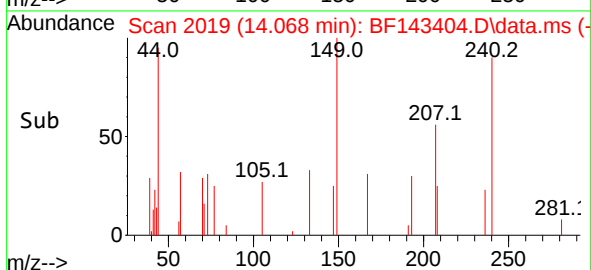
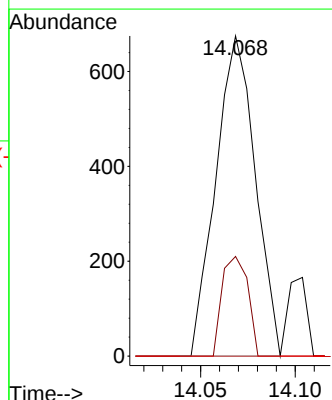
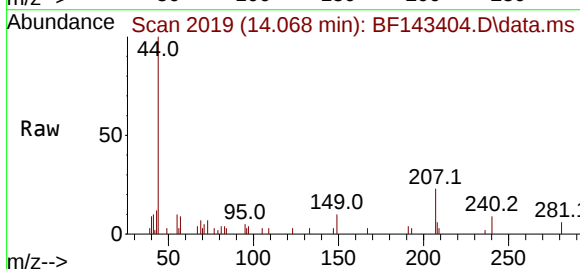
Tgt Ion:149 Resp: 977

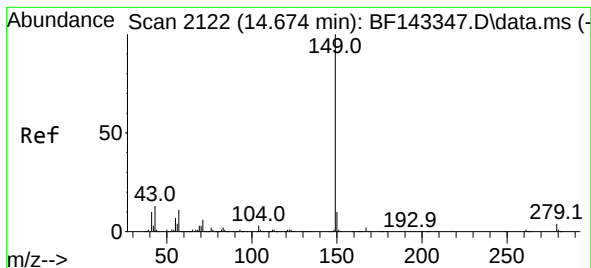
Ion Ratio Lower Upper

149 100

167 31.1 21.4 32.0

279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.048 ng

RT: 14.721 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W

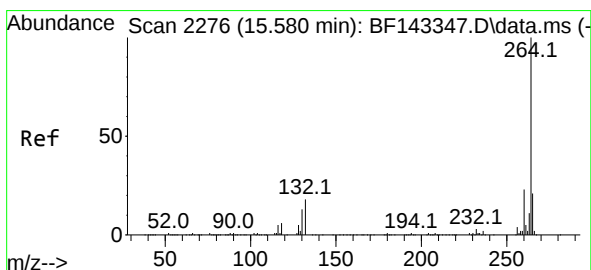
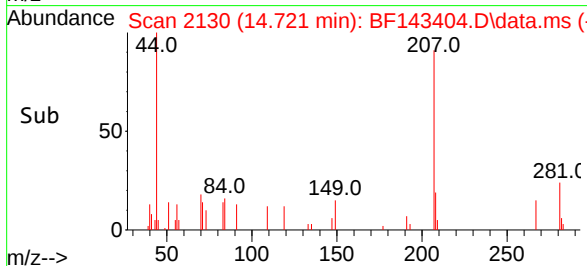
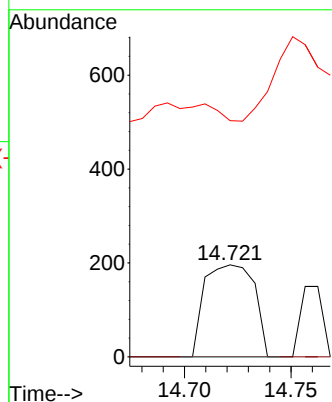
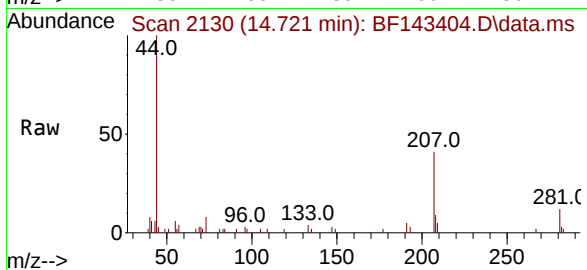
Tgt Ion:149 Resp: 318

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: BF143404.D

Acq: 15 Aug 2025 06:22

Tgt Ion:264 Resp: 306529

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.5 17.2 25.8

