

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143410.D
 Acq On : 15 Aug 2025 09:17
 Operator : RC/JU
 Sample : Q2815-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-88H-N

Quant Time: Aug 15 11:05:02 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)

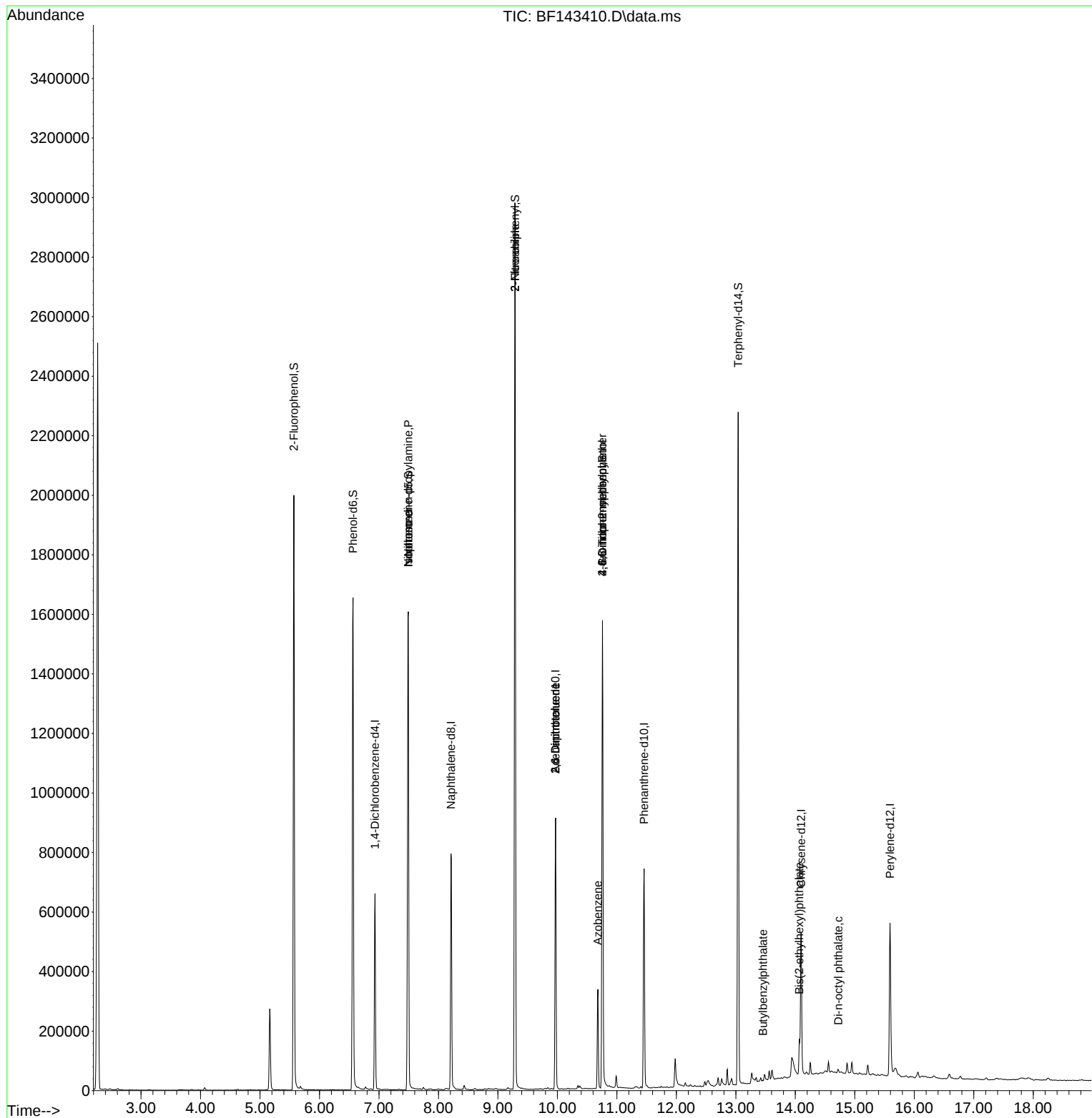
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	138807	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	524623	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	272374	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	390437	20.000	ng	0.00
76) Chrysene-d12	14.098	240	242841	20.000	ng	0.00
86) Perylene-d12	15.592	264	314030	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	722769	90.043	ng	0.00
7) Phenol-d6	6.563	99	775664	75.354	ng	0.00
23) Nitrobenzene-d5	7.492	82	754787	89.594	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	279070	140.196	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1324614	82.468	ng	0.00
79) Terphenyl-d14	13.039	244	1102839	81.079	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.492	70	102336	16.090	ng	# 78
25) Isophorone	7.492	82	745985	43.376	ng	# 65
48) 2-Nitroaniline	9.286	65	2352	3.272	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	33771	13.484	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	33771	10.933	ng	# 20
63) Azobenzene	10.680	77	83757	5.144	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	596	7.581	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	18153	4.065	ng	# 1
80) Butylbenzylphthalate	13.457	149	94	3.372	ng	# 4
84) Bis(2-ethylhexyl)phtha...	14.068	149	43682	10.754	ng	98
85) Di-n-octyl phthalate	14.721	149	1840	6.161	ng	# 57

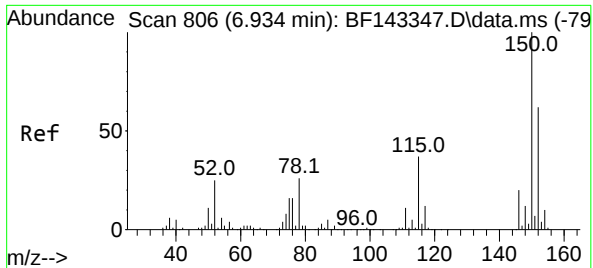
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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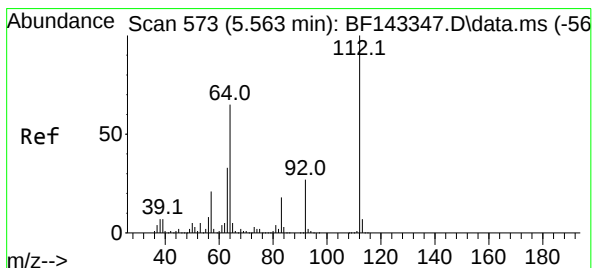
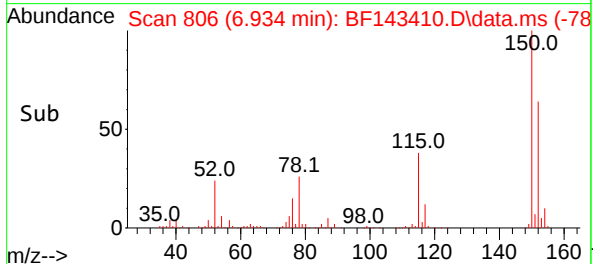
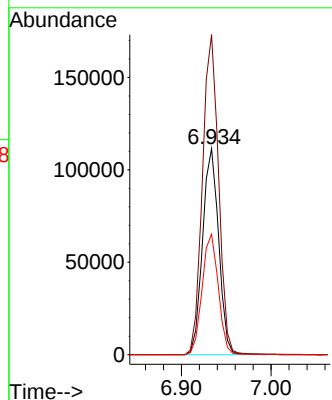
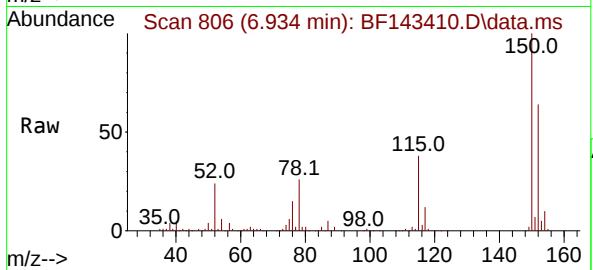




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

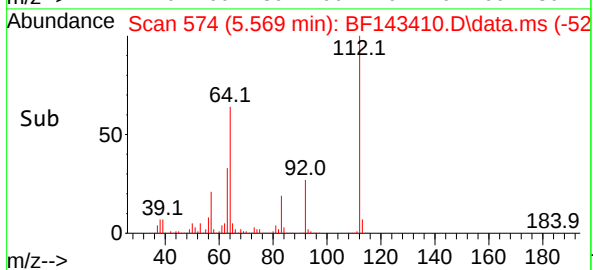
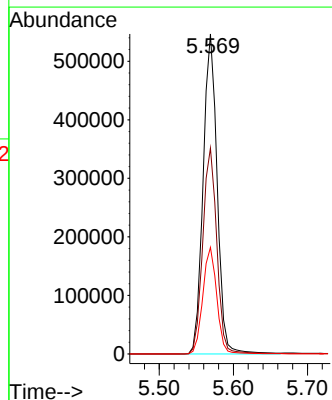
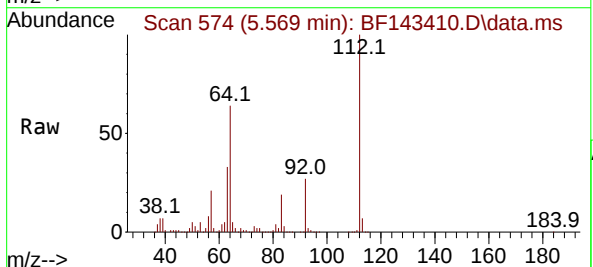
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

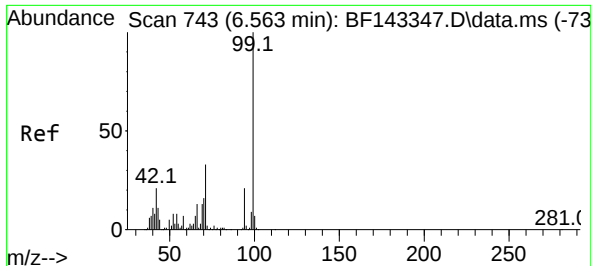
Tgt Ion:152 Resp: 138807
Ion Ratio Lower Upper
152 100
150 155.3 129.8 194.8
115 58.5 47.8 71.8



#5
2-Fluorophenol
Concen: 90.043 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion:112 Resp: 722769
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 33.3 26.6 39.8





#7
Phenol-d6
Concen: 75.354 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

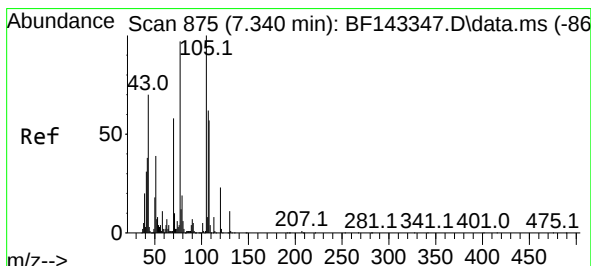
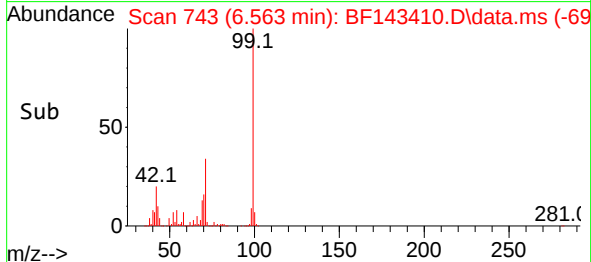
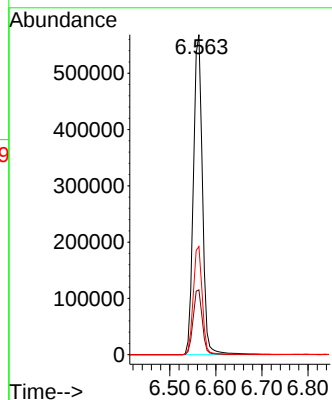
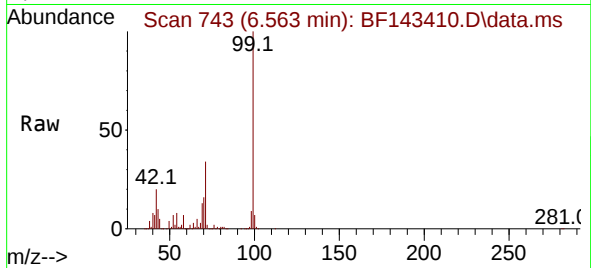
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BNA_F

ClientSampleId :

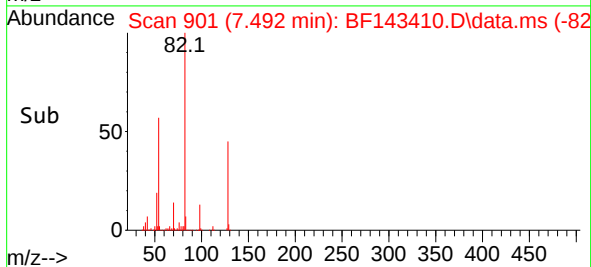
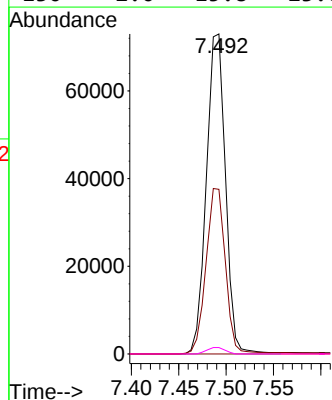
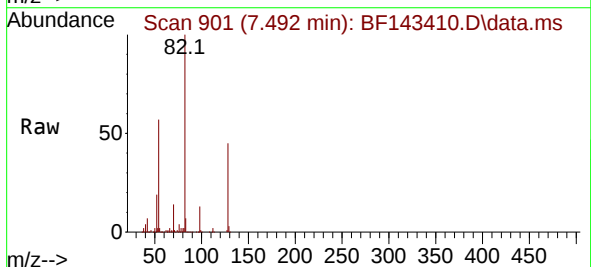
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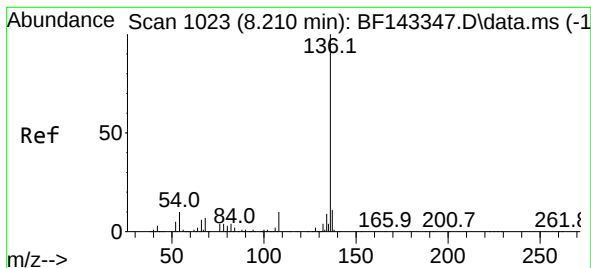
Tgt Ion: 99 Resp: 775664
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 33.8 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.090 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion: 70 Resp: 102336
Ion Ratio Lower Upper
70 100
42 51.4 51.6 77.4#
101 0.0 7.5 11.3#
130 2.0 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: BF143410.D

Acq: 15 Aug 2025 09:17

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

Tgt Ion:136 Resp: 524623

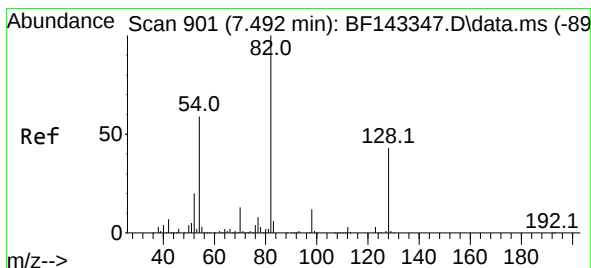
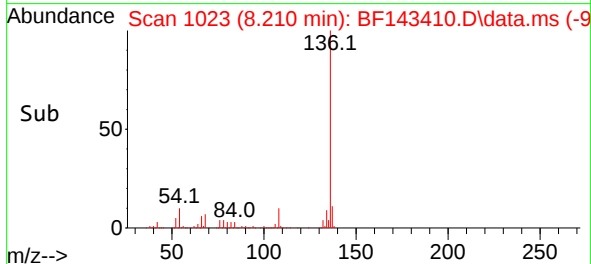
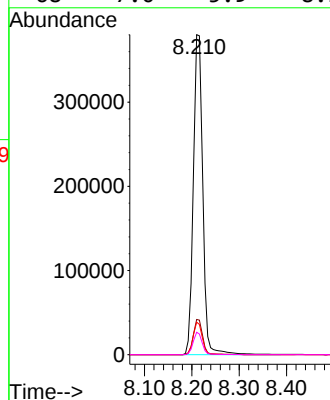
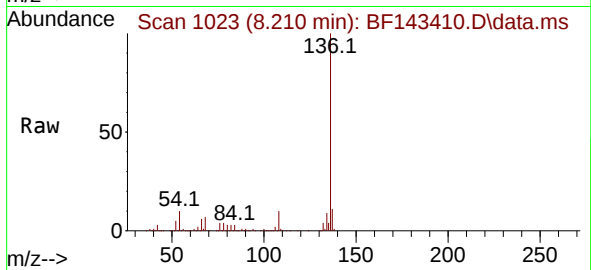
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.1 8.4 12.6

68 7.0 5.9 8.9



#23

Nitrobenzene-d5

Concen: 89.594 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143410.D

Acq: 15 Aug 2025 09:17

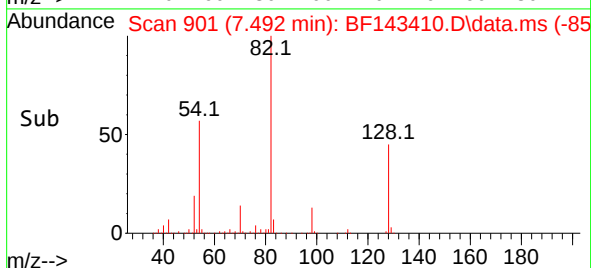
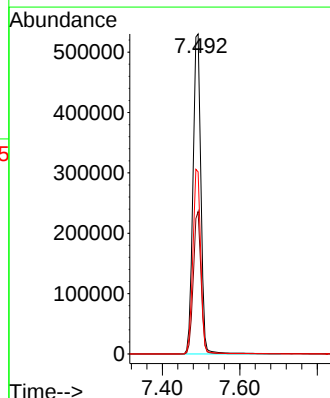
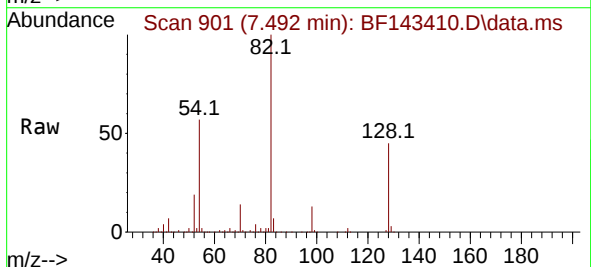
Tgt Ion: 82 Resp: 754787

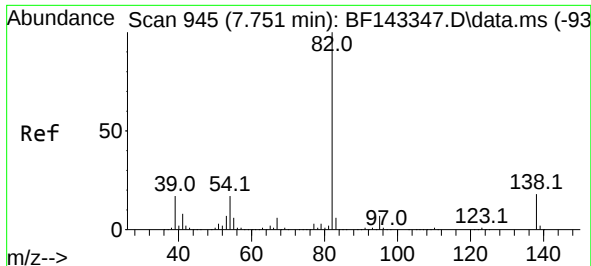
Ion Ratio Lower Upper

82 100

128 44.5 33.5 50.3

54 56.9 46.7 70.1

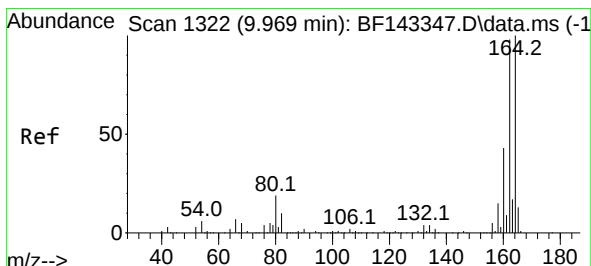
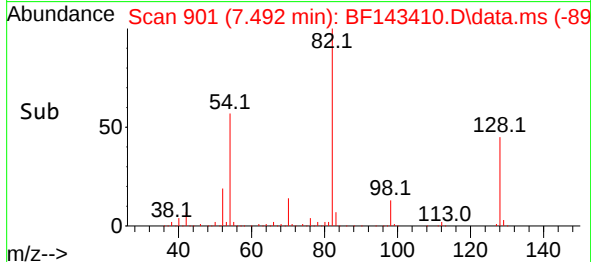
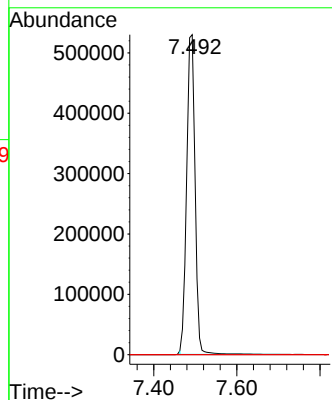
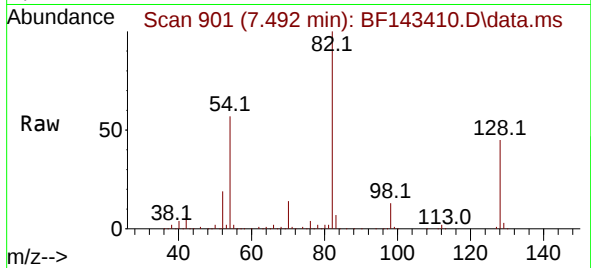




#25
Isophorone
Concen: 43.376 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

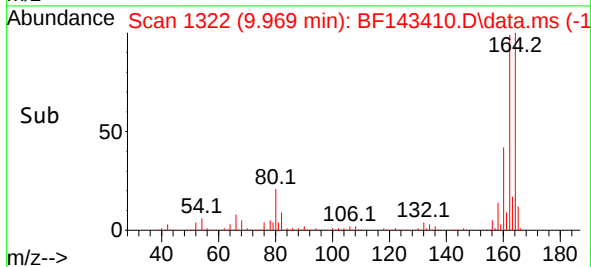
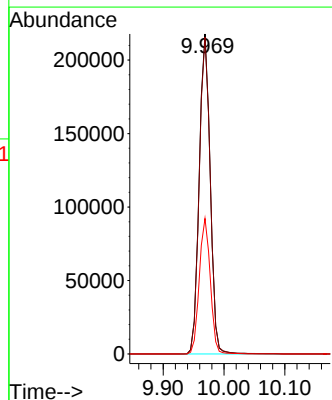
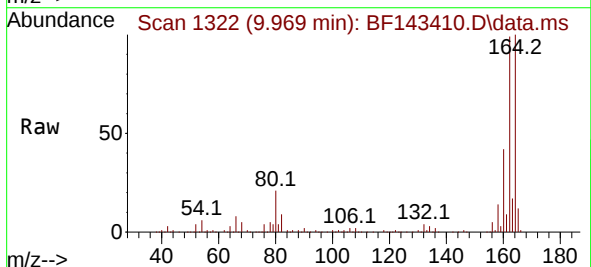
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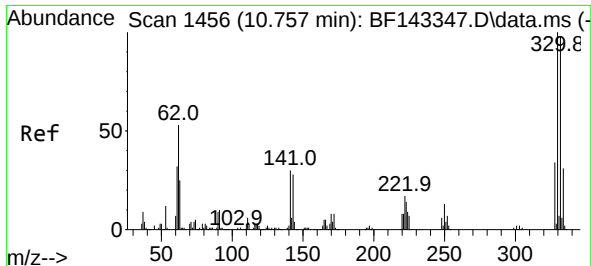
Tgt Ion: 82 Resp: 745985
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion:164 Resp: 272374
Ion Ratio Lower Upper
164 100
162 99.1 78.6 118.0
160 42.4 34.4 51.6

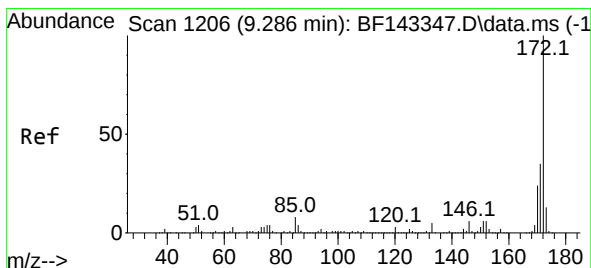
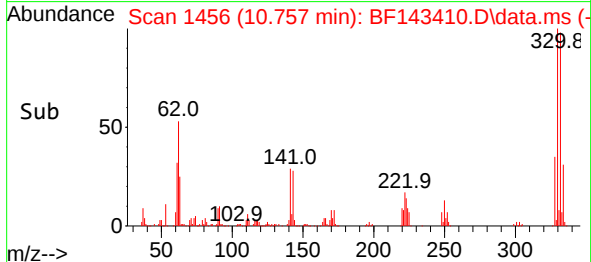
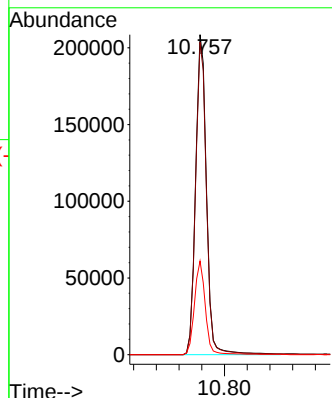
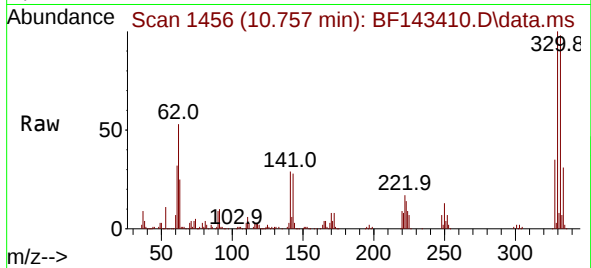




#42
 2,4,6-Tribromophenol
 Concen: 140.196 ng
 RT: 10.757 min Scan# 1456
 Delta R.T. -0.000 min
 Lab File: BF143410.D
 Acq: 15 Aug 2025 09:17

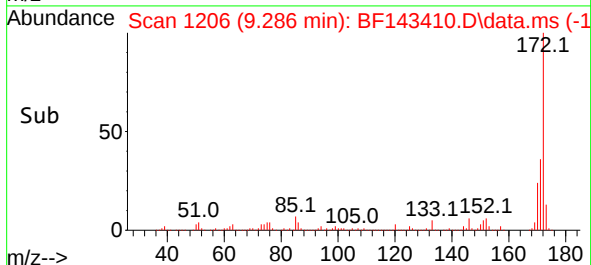
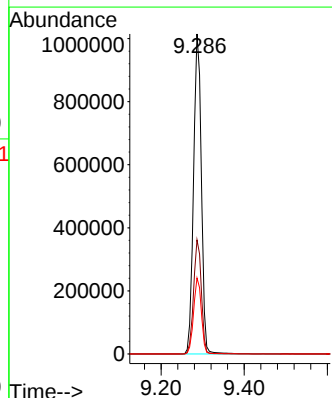
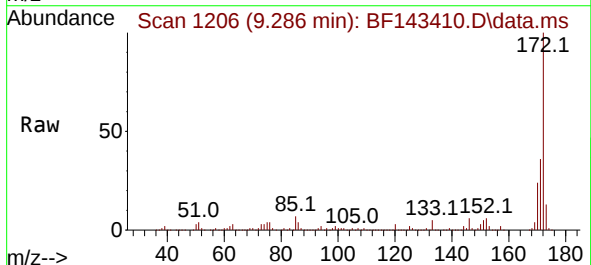
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 TW-88H-N

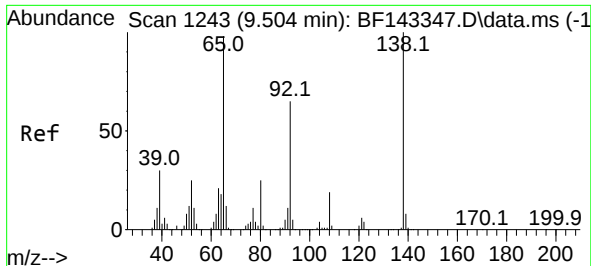
Tgt Ion:330 Resp: 279070
 Ion Ratio Lower Upper
 330 100
 332 97.6 78.1 117.1
 141 29.3 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 82.468 ng
 RT: 9.286 min Scan# 1206
 Delta R.T. -0.000 min
 Lab File: BF143410.D
 Acq: 15 Aug 2025 09:17

Tgt Ion:172 Resp: 1324614
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.4 42.6
 170 23.8 19.1 28.7

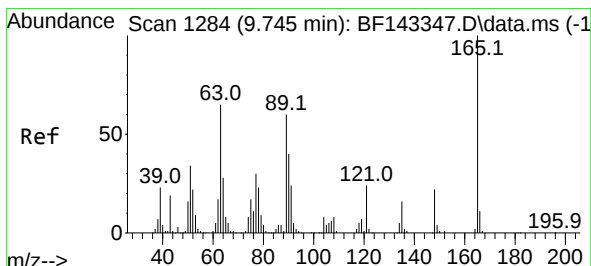
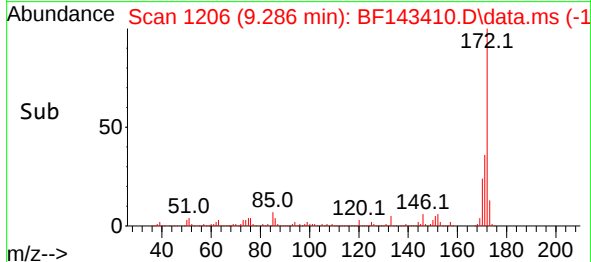
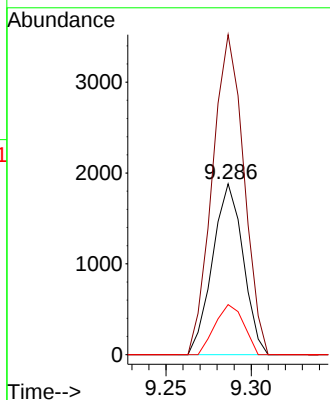
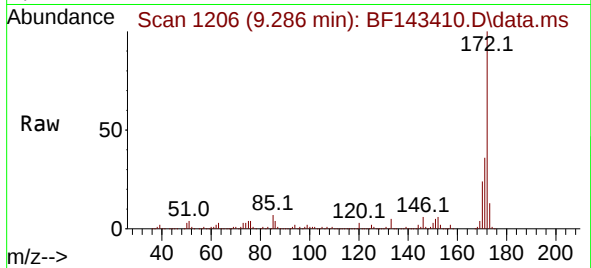




#48
2-Nitroaniline
Concen: 3.272 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

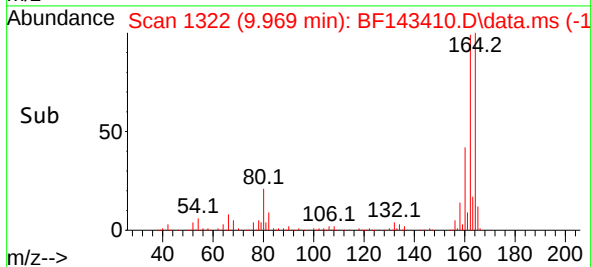
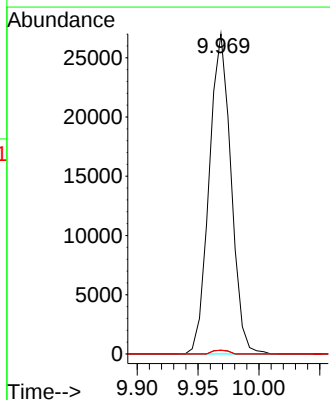
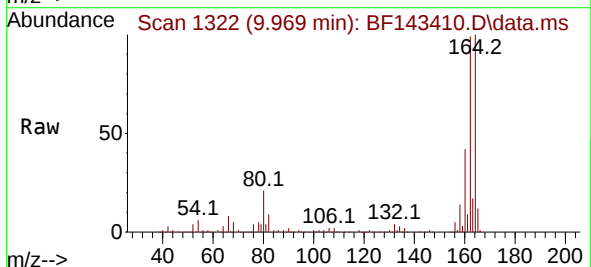
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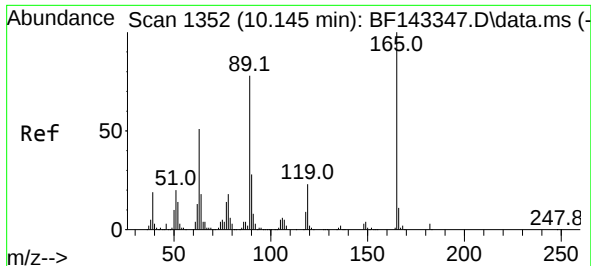
Tgt Ion: 65 Resp: 2352
Ion Ratio Lower Upper
65 100
92 187.2 53.1 79.7#
138 29.3 81.4 122.0#



#51
2,6-Dinitrotoluene
Concen: 13.484 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.224 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion: 165 Resp: 33771
Ion Ratio Lower Upper
165 100
63 1.2 51.6 77.4#
89 1.1 47.7 71.5#

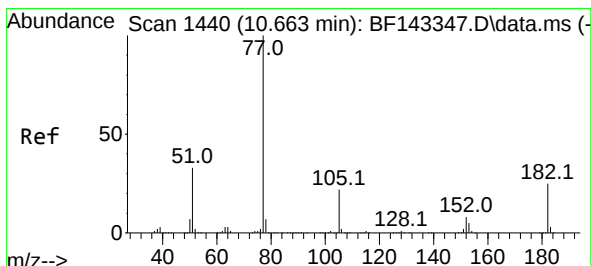
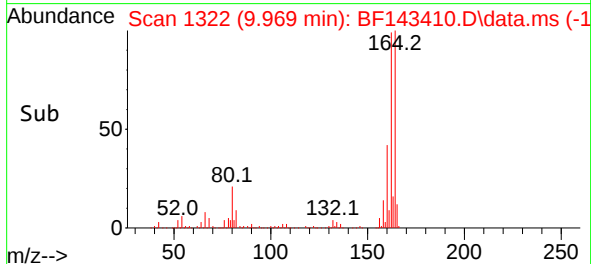
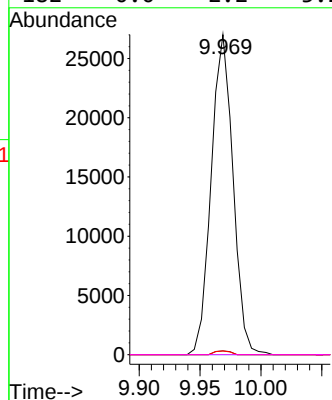
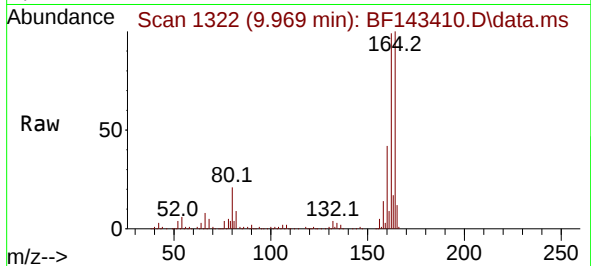




#57
2,4-Dinitrotoluene
Concen: 10.933 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

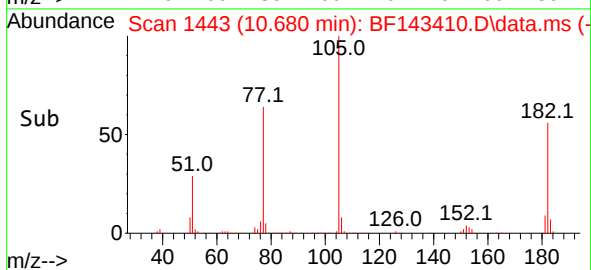
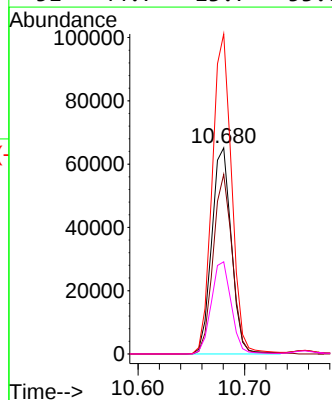
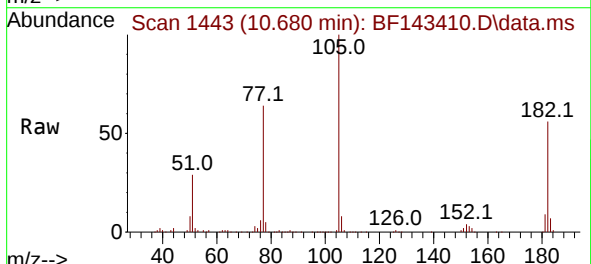
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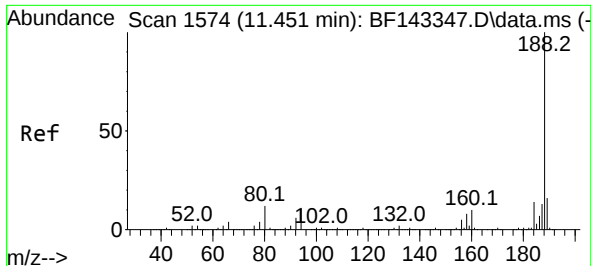
Tgt Ion:165 Resp: 33771
Ion Ratio Lower Upper
165 100
63 1.2 41.8 62.8#
89 1.1 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.144 ng
RT: 10.680 min Scan# 1443
Delta R.T. 0.018 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion: 77 Resp: 83757
Ion Ratio Lower Upper
77 100
182 87.1 4.4 44.4#
105 155.3 1.8 41.8#
51 44.7 13.7 53.7

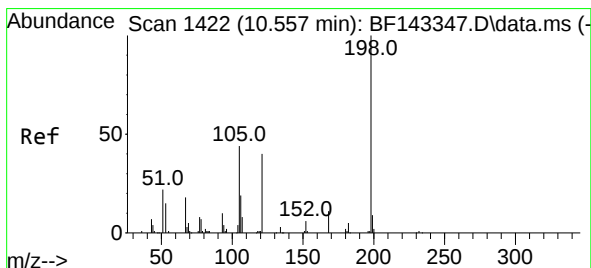
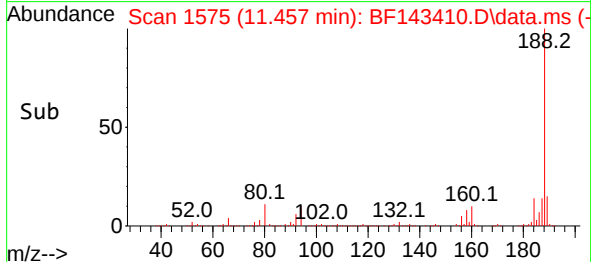
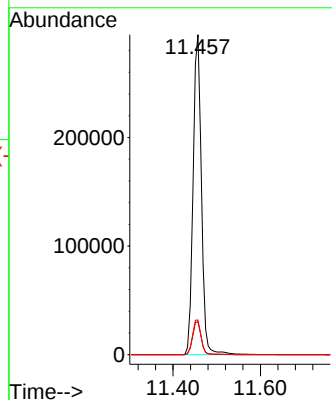
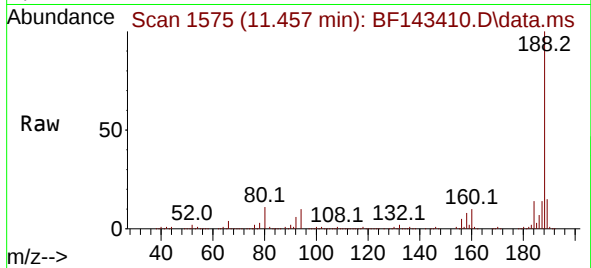




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

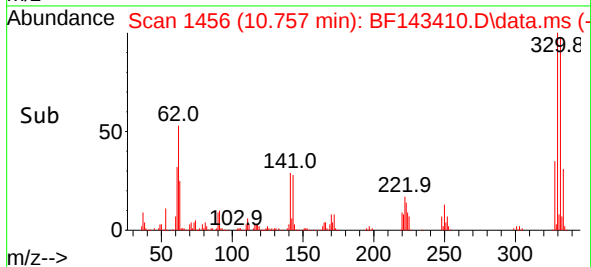
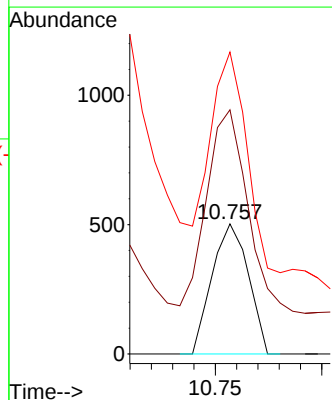
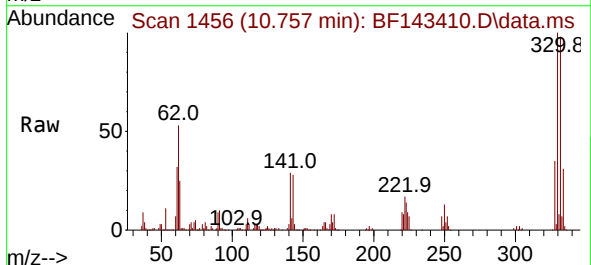
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

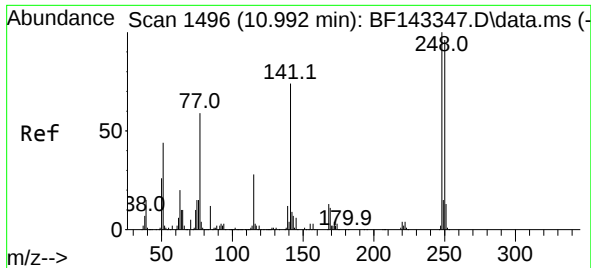
Tgt Ion:188 Resp: 390437
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 10.9 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.581 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion:198 Resp: 596
Ion Ratio Lower Upper
198 100
51 187.7 41.7 81.7#
105 232.0 26.8 66.8#

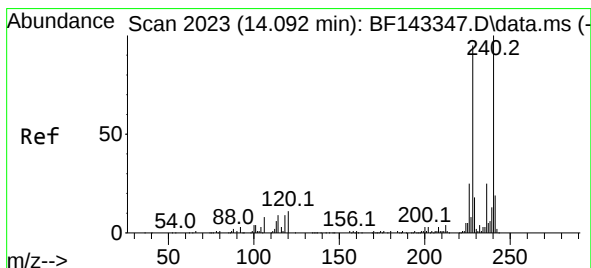
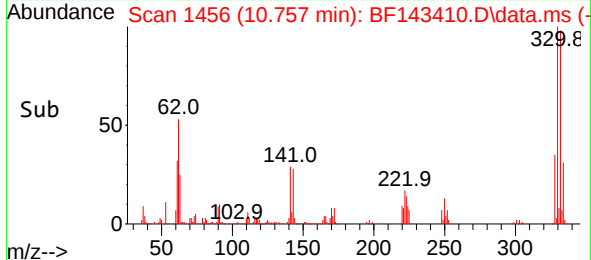
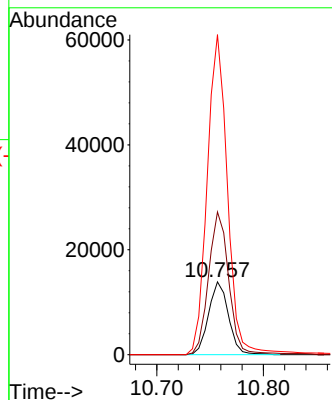
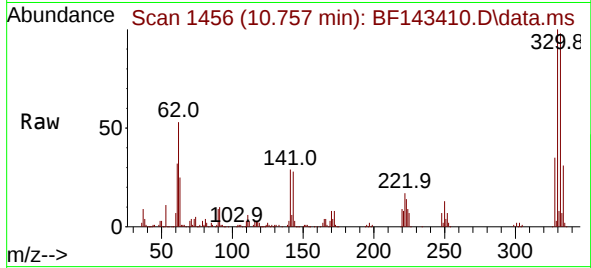




#67
4-Bromophenyl-phenylether
Concen: 4.065 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

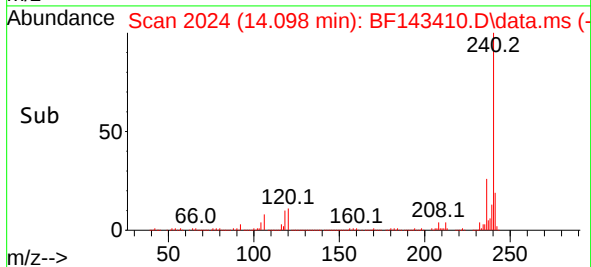
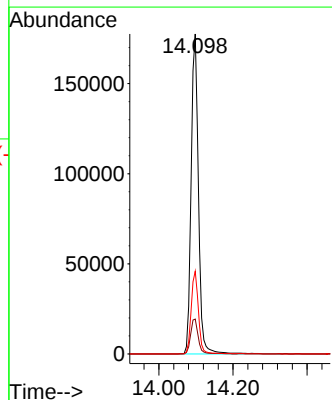
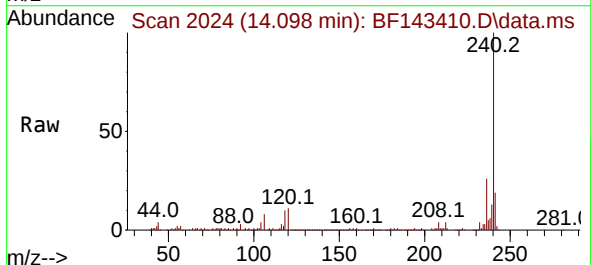
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

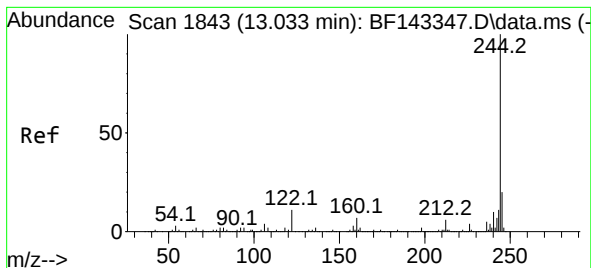
Tgt Ion:248 Resp: 18153
Ion Ratio Lower Upper
248 100
250 195.9 77.1 115.7#
141 439.3 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Tgt Ion:240 Resp: 242841
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.9 19.9 29.9





#79

Terphenyl-d14

Concen: 81.079 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143410.D

Acq: 15 Aug 2025 09:17

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

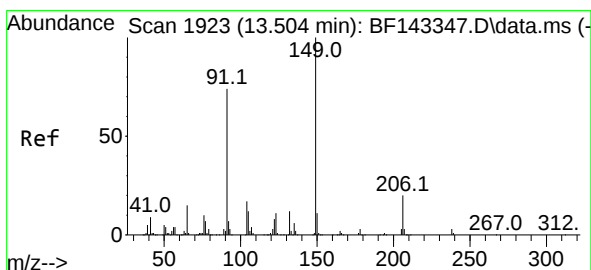
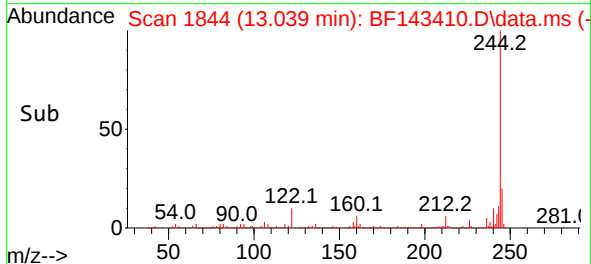
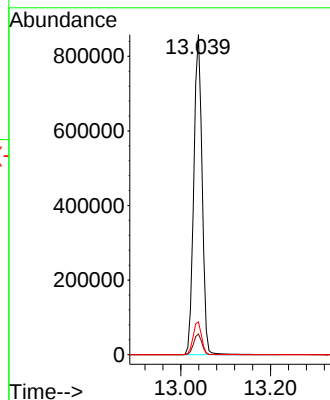
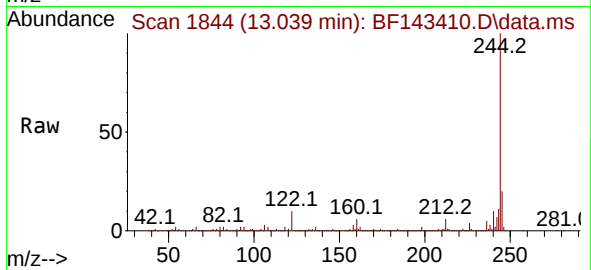
Tgt Ion:244 Resp: 1102839

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.3 8.9 13.3



#80

Butylbenzylphthalate

Concen: 3.372 ng

RT: 13.457 min Scan# 1915

Delta R.T. -0.047 min

Lab File: BF143410.D

Acq: 15 Aug 2025 09:17

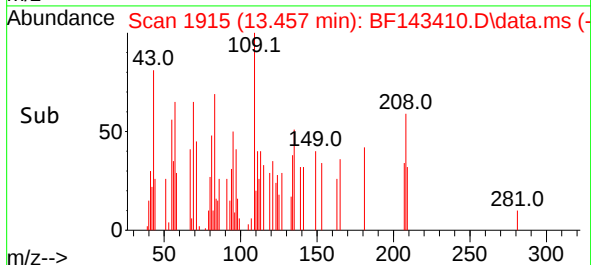
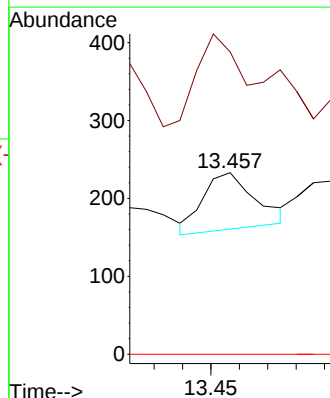
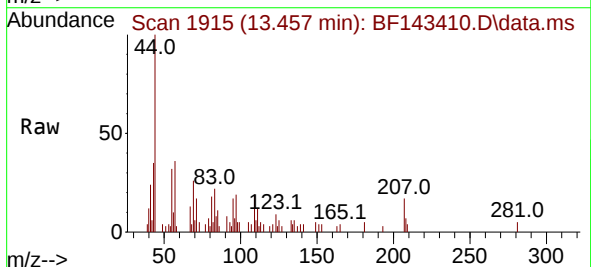
Tgt Ion:149 Resp: 94

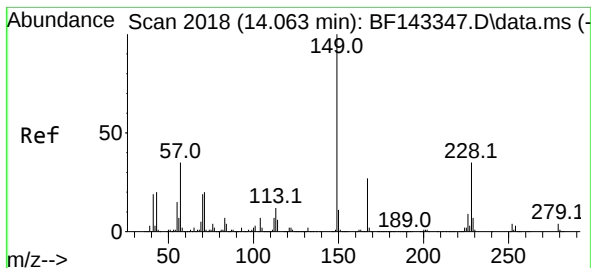
Ion Ratio Lower Upper

149 100

91 166.5 58.8 88.2#

206 0.0 16.4 24.6#

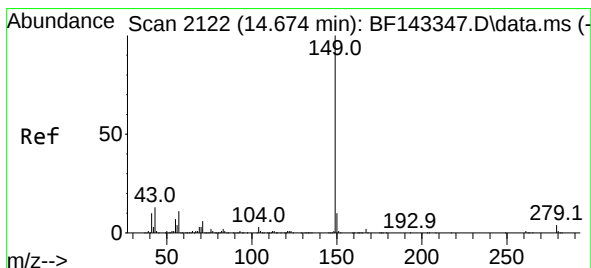
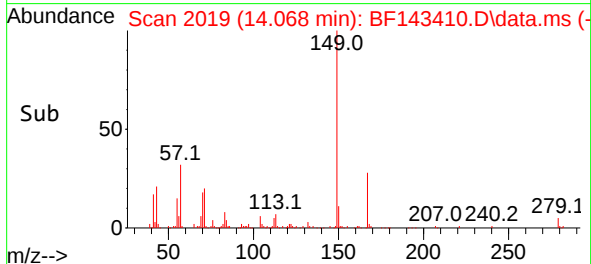
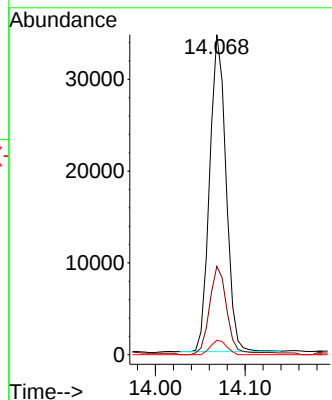
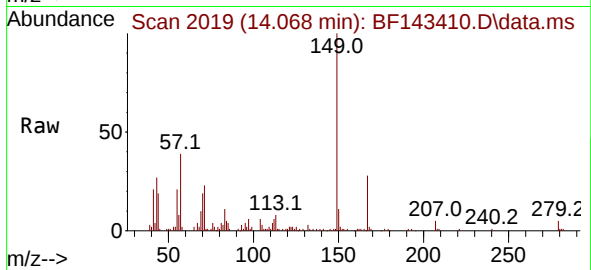




#84
Bis(2-ethylhexyl)phthalate
Concen: 10.754 ng
RT: 14.068 min Scan# 20
Delta R.T. 0.005 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

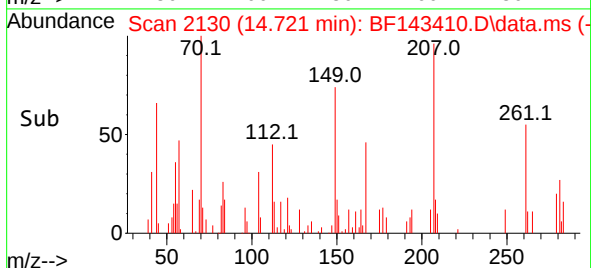
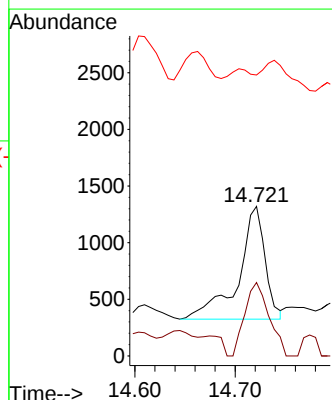
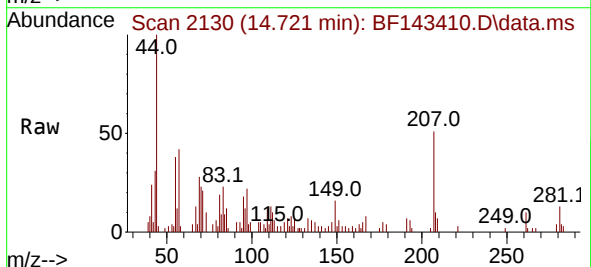
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

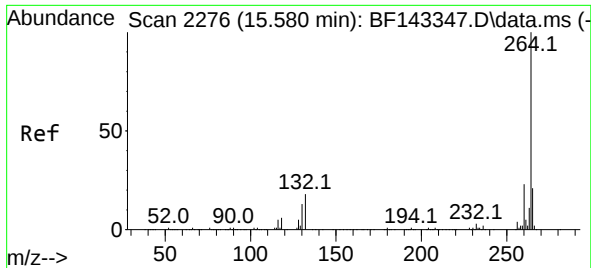
Tgt Ion:149 Resp: 43682
Ion Ratio Lower Upper
149 100
167 27.6 21.4 32.0
279 4.5 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 6.161 ng
RT: 14.721 min Scan# 2130
Delta R.T. 0.047 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

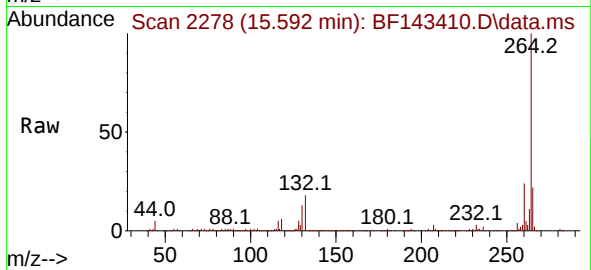
Tgt Ion:149 Resp: 1840
Ion Ratio Lower Upper
149 100
167 59.1 1.3 1.9#
43 25.7 10.8 16.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143410.D
Acq: 15 Aug 2025 09:17

Instrument :
BNA_F
ClientSampleId :
TW-88H-N



Tgt Ion:264 Resp: 314030
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.7 17.2 25.8

