

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143409.D
 Acq On : 15 Aug 2025 08:48
 Operator : RC/JU
 Sample : Q2815-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-88H-E

Quant Time: Aug 15 11:04:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

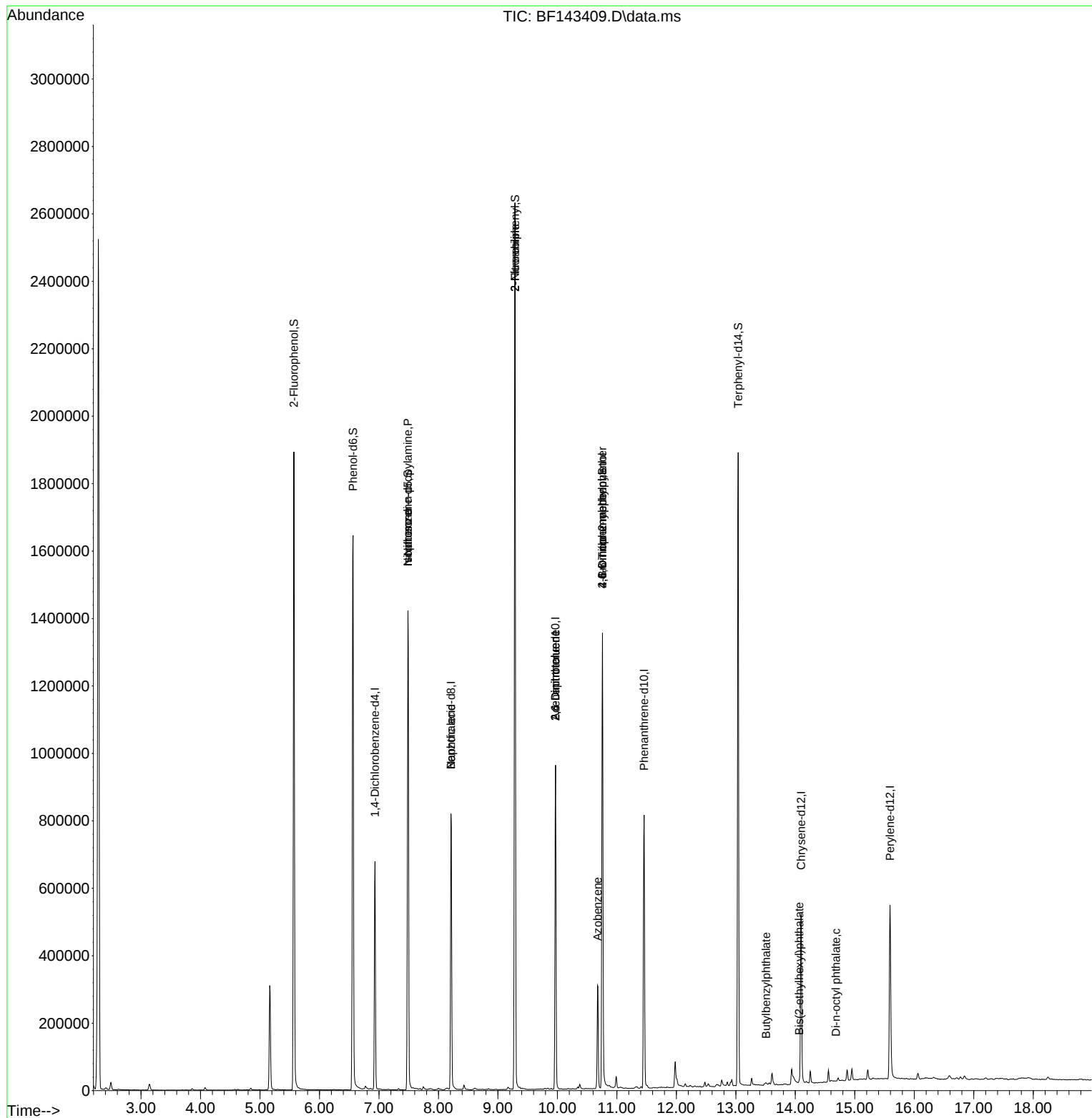
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	141186	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	541543	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	289147	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	429306	20.000	ng	0.00
76) Chrysene-d12	14.098	240	260079	20.000	ng	0.00
86) Perylene-d12	15.592	264	317026	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	684088	83.788	ng	0.00
7) Phenol-d6	6.563	99	775193	74.040	ng	0.00
23) Nitrobenzene-d5	7.487	82	641463	73.764	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	241633	114.347	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1172491	68.763	ng	0.00
79) Terphenyl-d14	13.039	244	926747	63.617	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.487	70	85721	13.250	ng	# 80
25) Isophorone	7.487	82	629361	35.451	ng	# 65
32) Benzoic acid	8.210	122	53	3.477	ng	# 1
48) 2-Nitroaniline	9.286	65	2102	3.192	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	36362	13.634	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	36362	11.046	ng	# 19
63) Azobenzene	10.675	77	80360	4.649	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	380	7.447	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	15549	3.167	ng	# 1
80) Butylbenzylphthalate	13.510	149	320	3.420	ng	# 65
84) Bis(2-ethylhexyl)phtha...	14.069	149	4417	4.628	ng	# 98
85) Di-n-octyl phthalate	14.686	149	524	6.061	ng	# 70

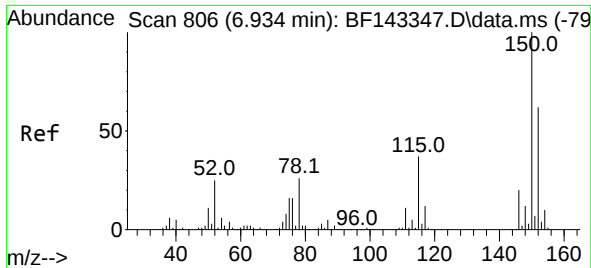
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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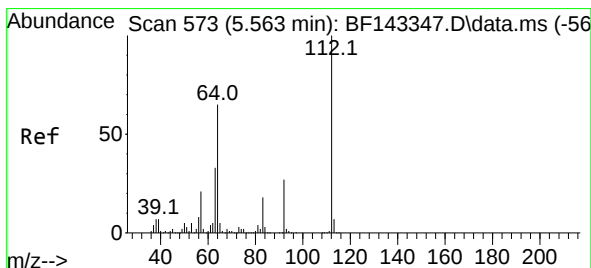
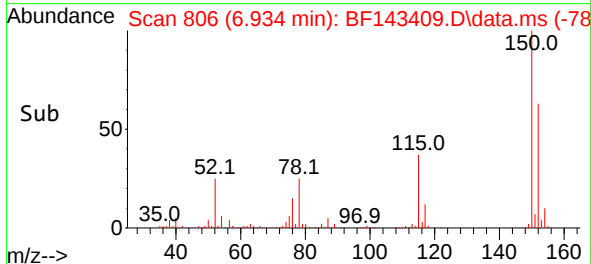
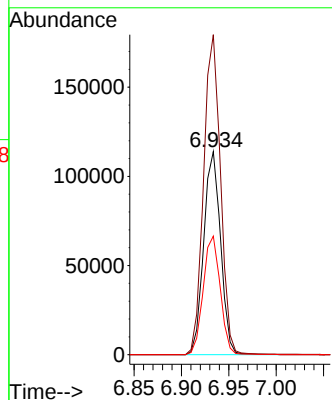
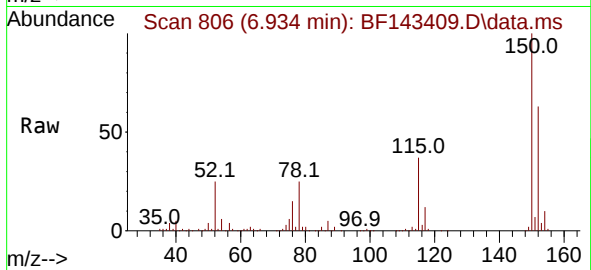




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143409.D
 Acq: 15 Aug 2025 08:48

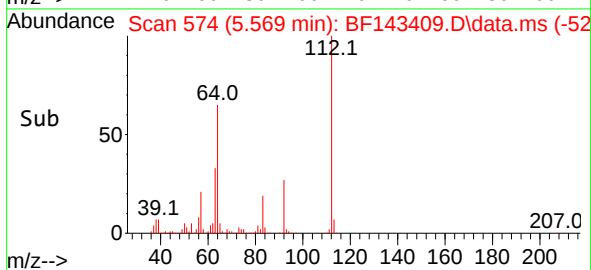
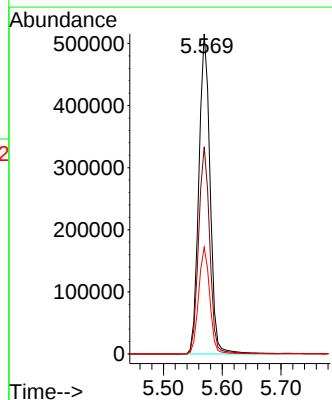
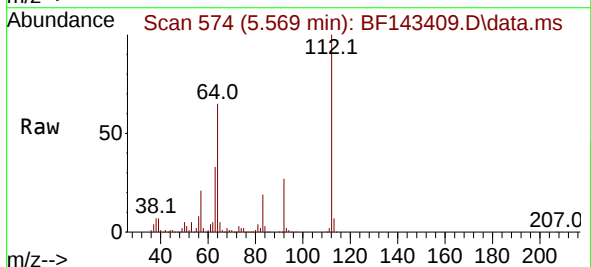
Instrument :
 BNA_F
 ClientSampleId :
 TW-88H-E

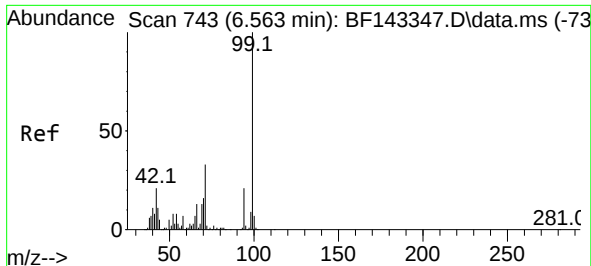
Tgt Ion:152 Resp: 141186
 Ion Ratio Lower Upper
 152 100
 150 157.6 129.8 194.8
 115 58.4 47.8 71.8



#5
 2-Fluorophenol
 Concen: 83.788 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143409.D
 Acq: 15 Aug 2025 08:48

Tgt Ion:112 Resp: 684088
 Ion Ratio Lower Upper
 112 100
 64 64.7 52.1 78.1
 63 33.3 26.6 39.8

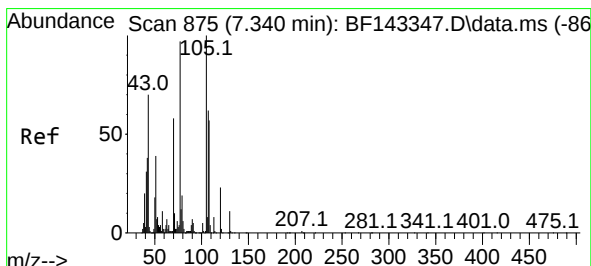
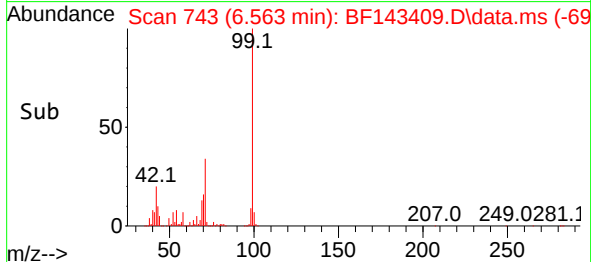
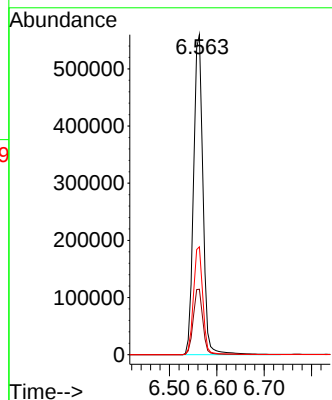
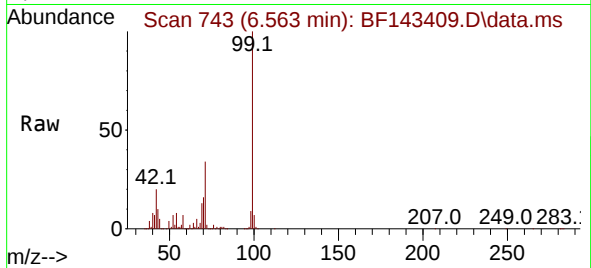




#7
Phenol-d6
Concen: 74.040 ng
RT: 6.563 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

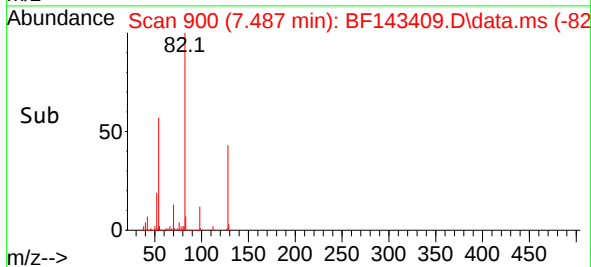
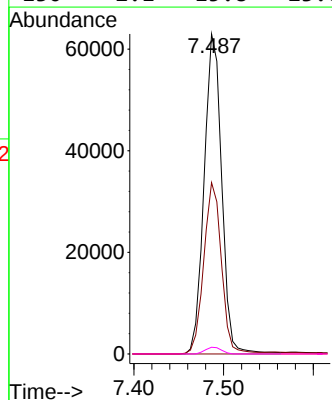
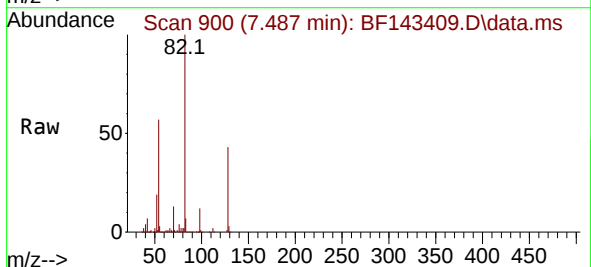
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

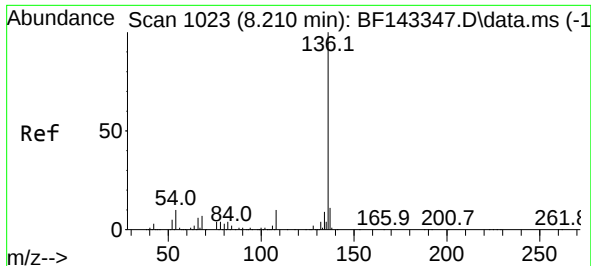
Tgt Ion: 99 Resp: 775193
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 33.7 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.250 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion: 70 Resp: 85721
Ion Ratio Lower Upper
70 100
42 53.5 51.6 77.4
101 0.0 7.5 11.3#
130 2.1 15.8 23.6#

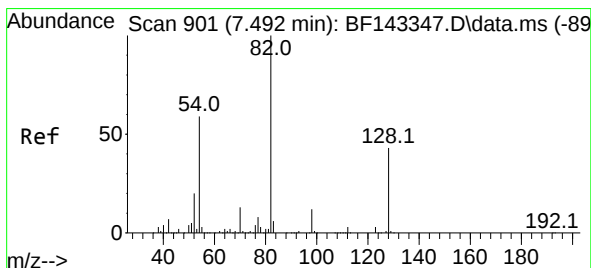
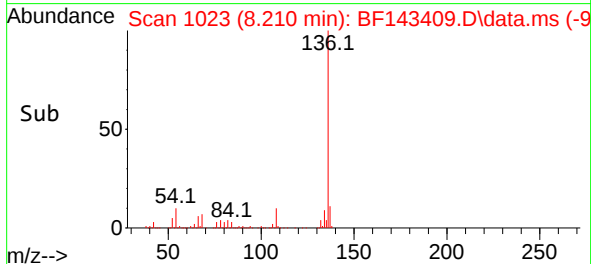
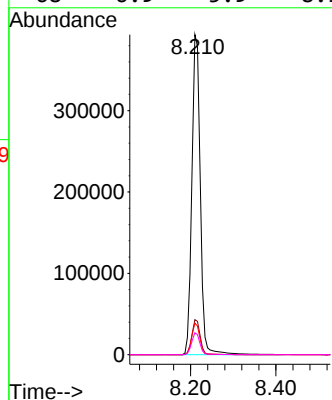
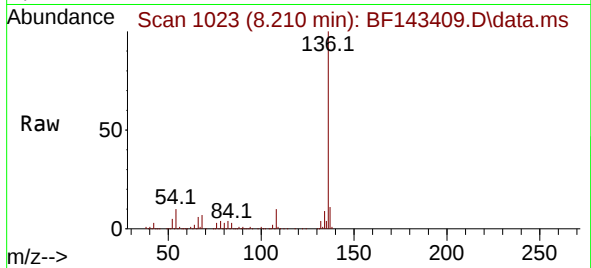




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

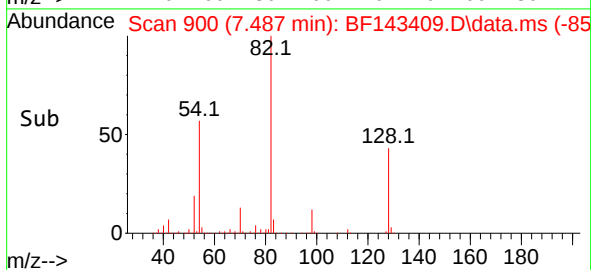
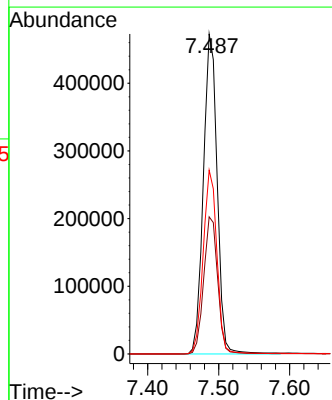
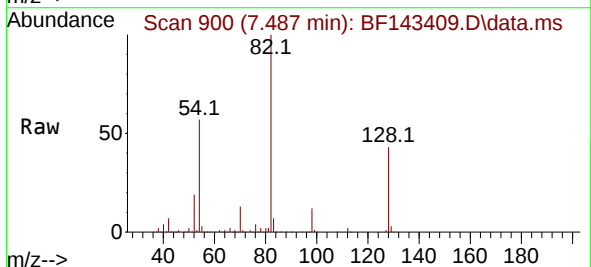
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

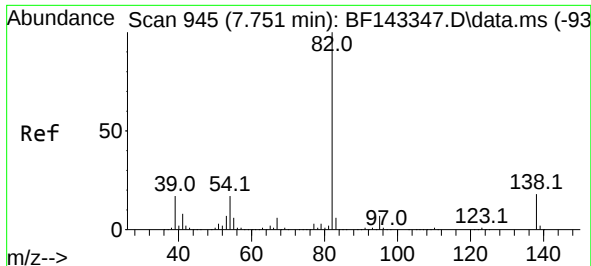
Tgt Ion:	136	Resp:	541543
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.9	8.4	12.6
68	6.9	5.9	8.9



#23
Nitrobenzene-d5
Concen: 73.764 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:	82	Resp:	641463
Ion Ratio	Lower	Upper	
82	100		
128	42.9	33.5	50.3
54	57.4	46.7	70.1

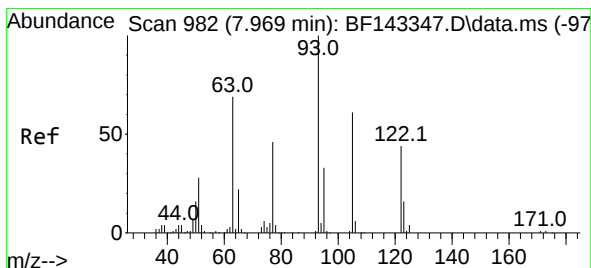
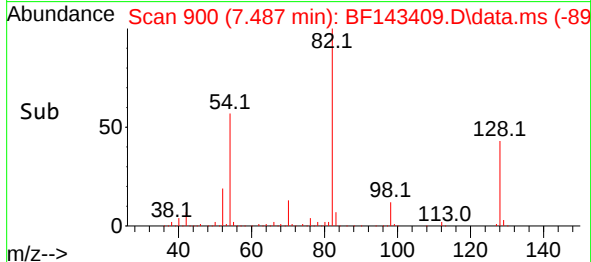
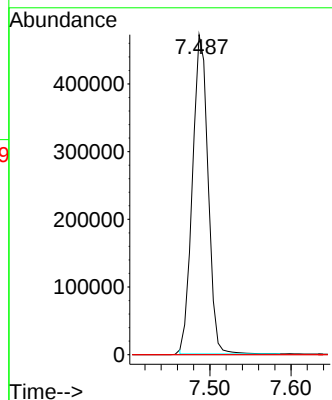
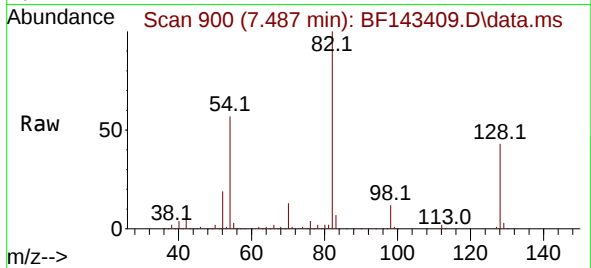




#25
Isophorone
Concen: 35.451 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

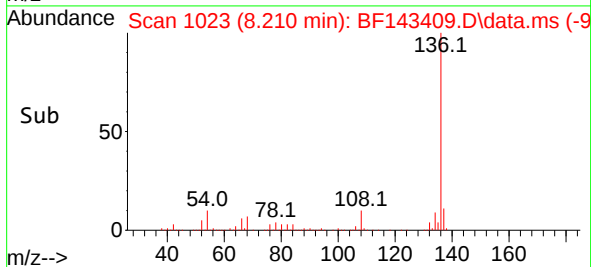
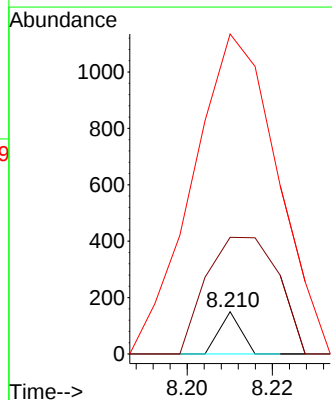
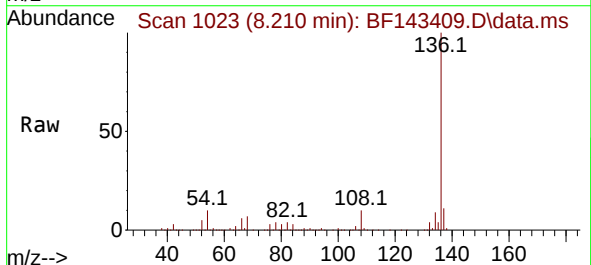
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

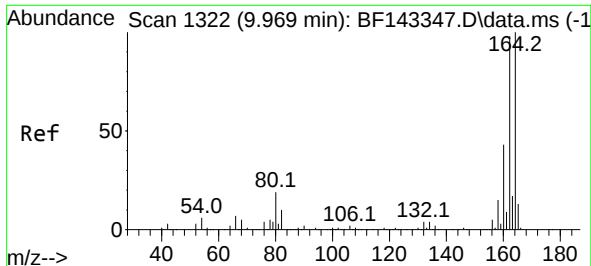
Tgt Ion: 82 Resp: 629361
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.477 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 276.0 106.4 146.4#
77 756.7 79.2 119.2#

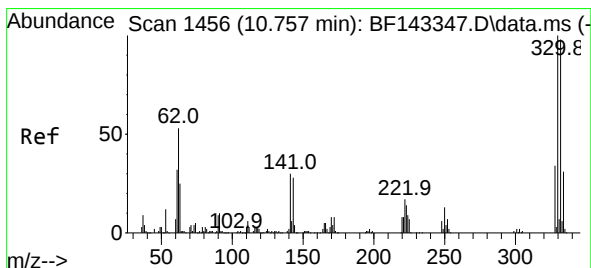
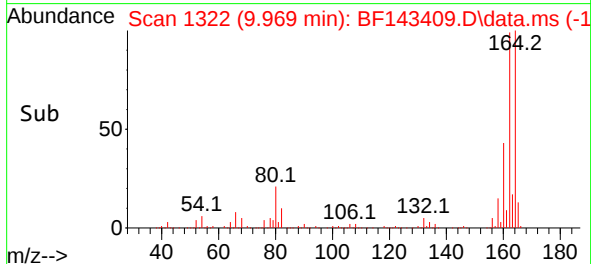
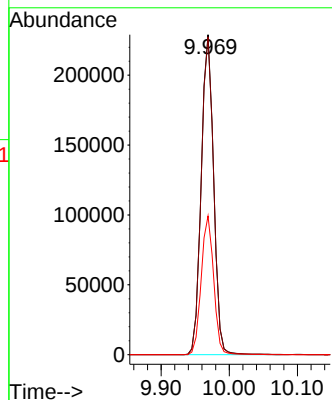
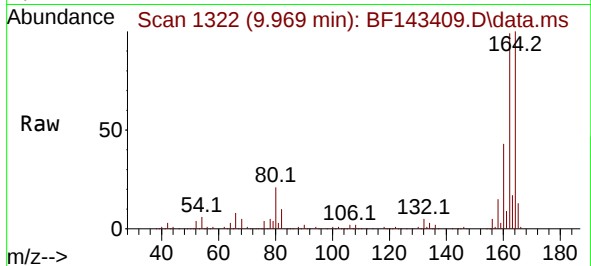




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

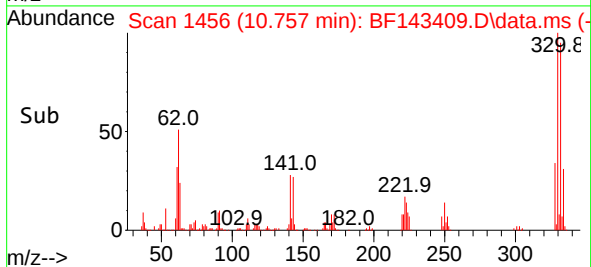
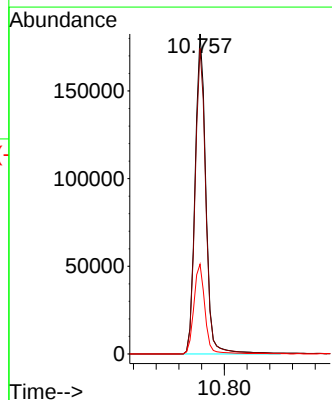
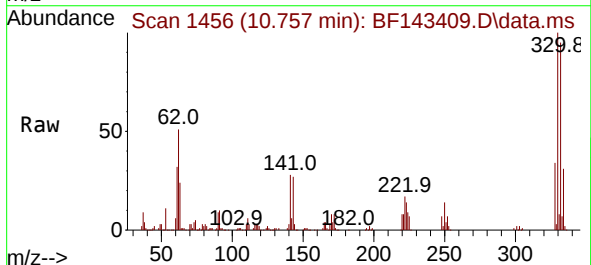
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

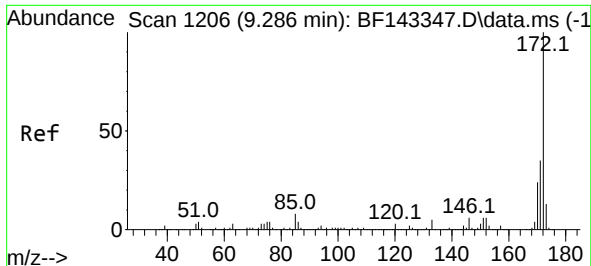
Tgt Ion:164 Resp: 289147
Ion Ratio Lower Upper
164 100
162 99.4 78.6 118.0
160 43.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 114.347 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:330 Resp: 241633
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 29.1 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 68.763 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

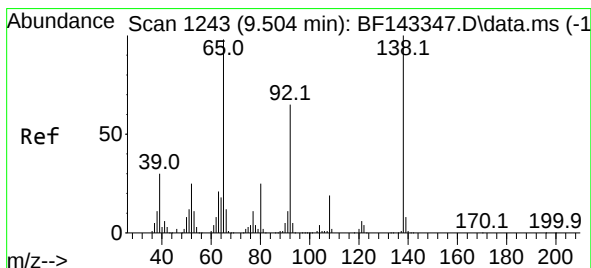
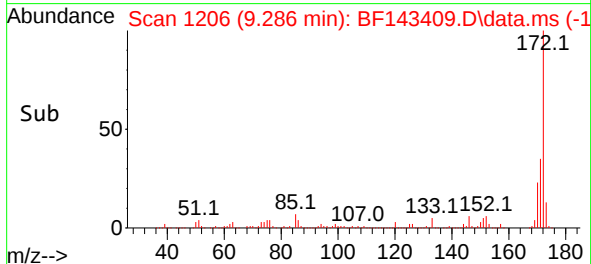
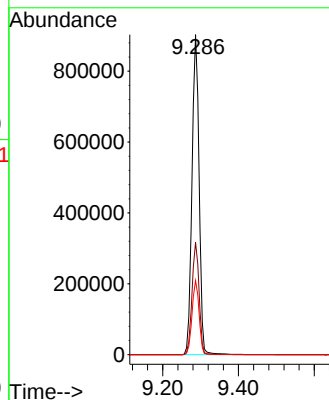
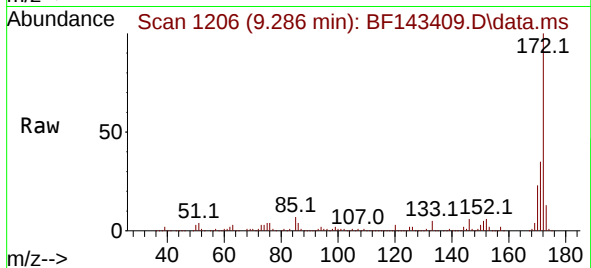
Tgt Ion:172 Resp: 1172491

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.2 19.1 28.7



#48

2-Nitroaniline

Concen: 3.192 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

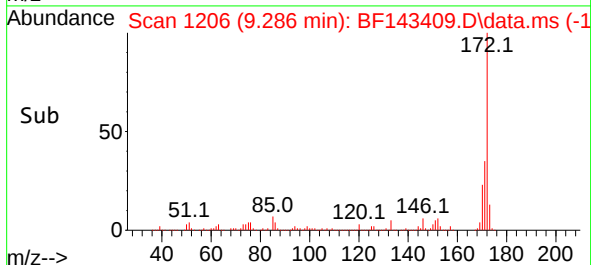
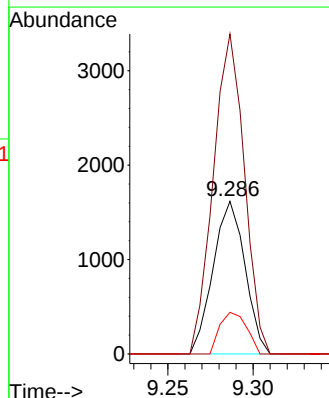
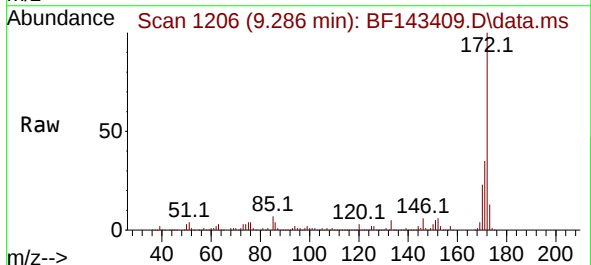
Tgt Ion: 65 Resp: 2102

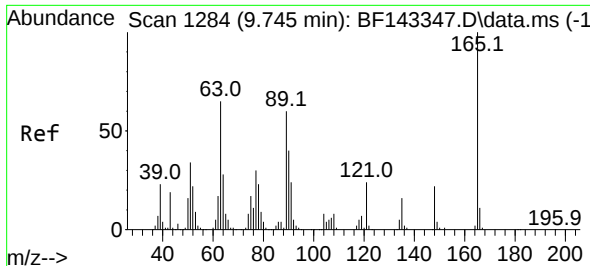
Ion Ratio Lower Upper

65 100

92 209.6 53.1 79.7#

138 27.3 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.634 ng

RT: 9.969 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

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TW-88H-E

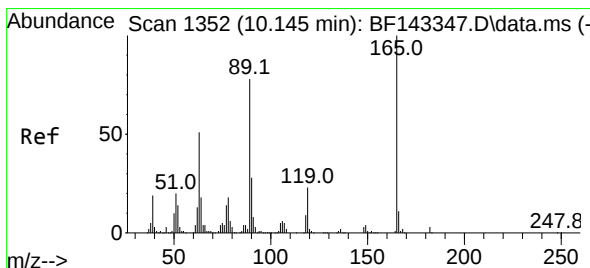
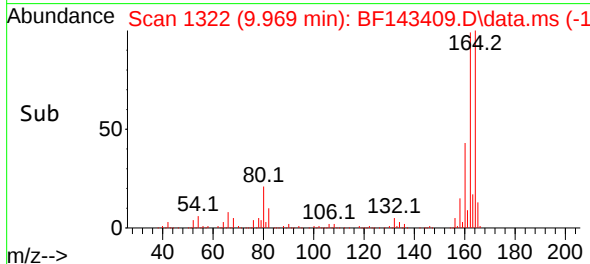
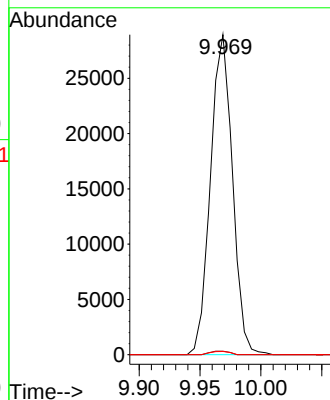
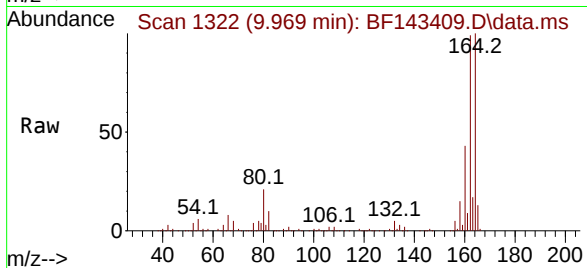
Tgt Ion:165 Resp: 36362

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: 11.046 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Tgt Ion:165 Resp: 36362

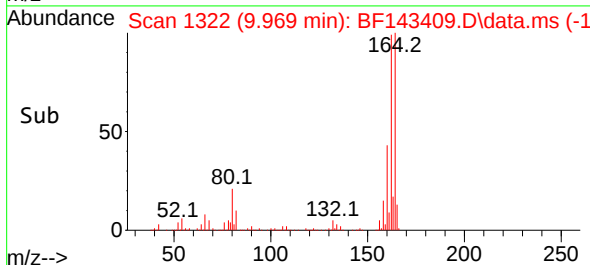
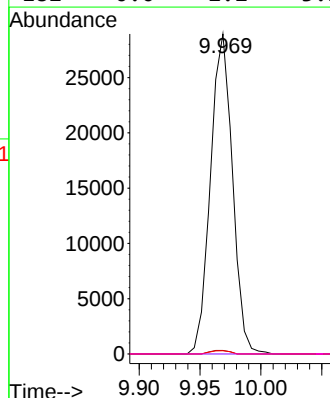
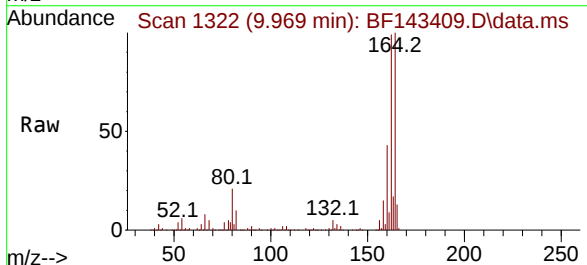
Ion Ratio Lower Upper

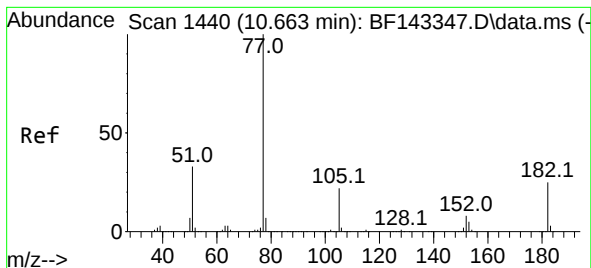
165 100

63 1.1 41.8 62.8#

89 1.0 62.4 93.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.649 ng

RT: 10.675 min Scan# 1442

Delta R.T. 0.012 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

Tgt Ion: 77 Resp: 80360

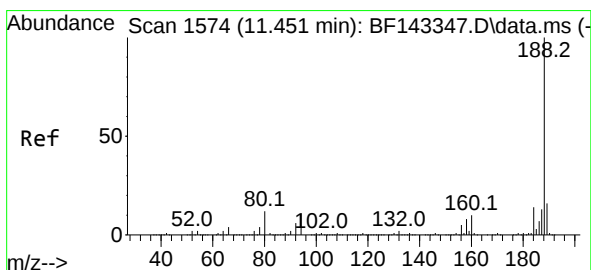
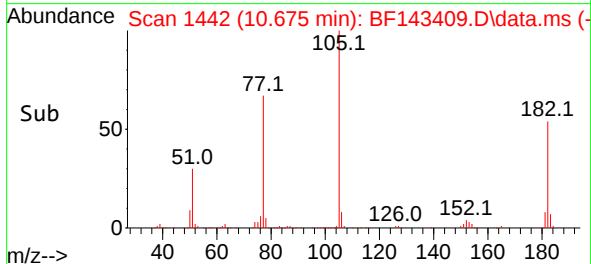
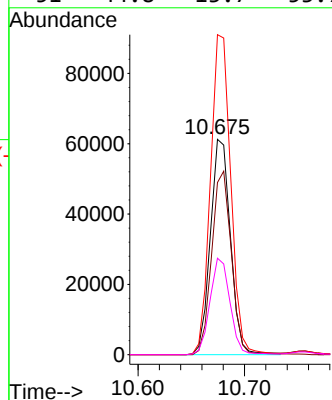
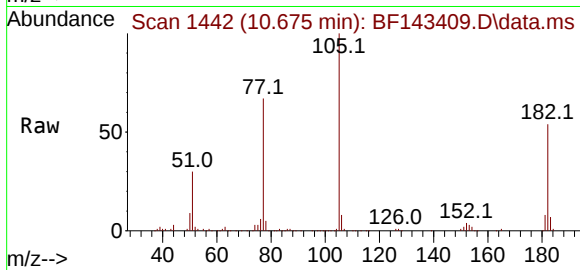
Ion Ratio Lower Upper

77 100

182 80.0 4.4 44.4#

105 148.6 1.8 41.8#

51 44.8 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

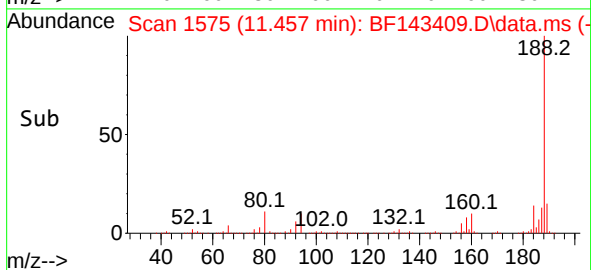
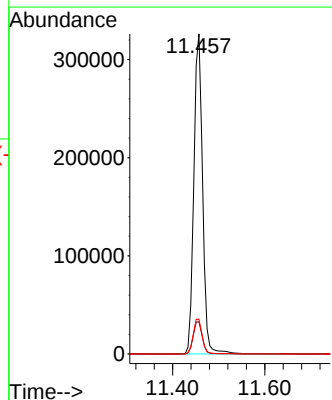
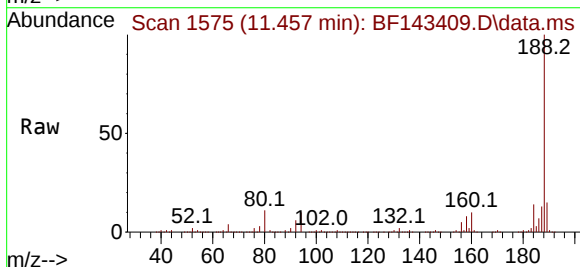
Tgt Ion:188 Resp: 429306

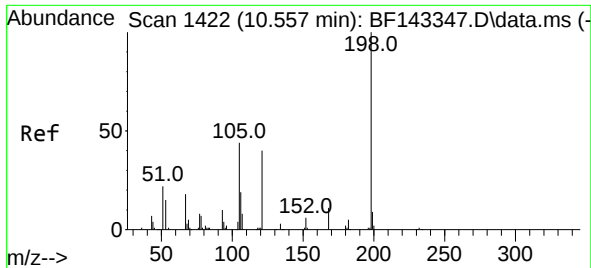
Ion Ratio Lower Upper

188 100

94 10.1 8.8 13.2

80 10.9 9.7 14.5

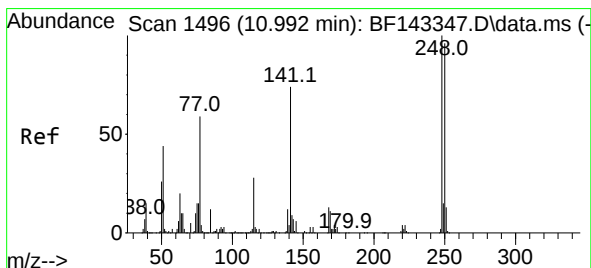
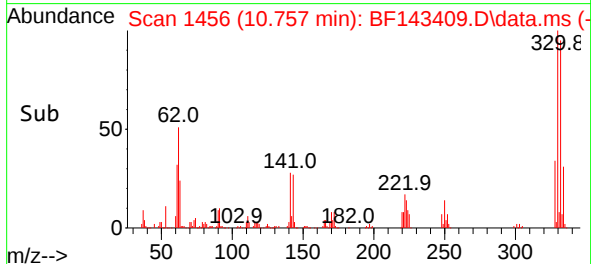
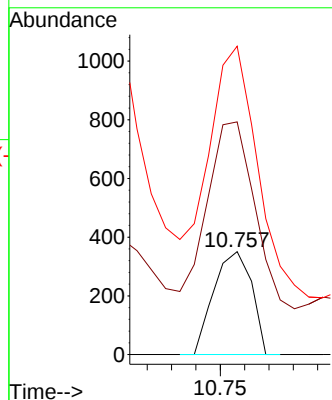
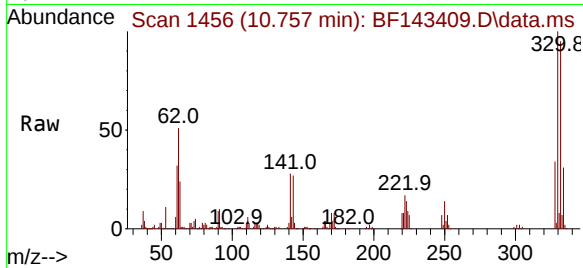




#65
4,6-Dinitro-2-methylphenol
Concen: 7.447 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

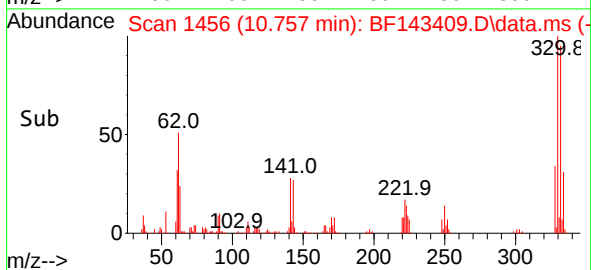
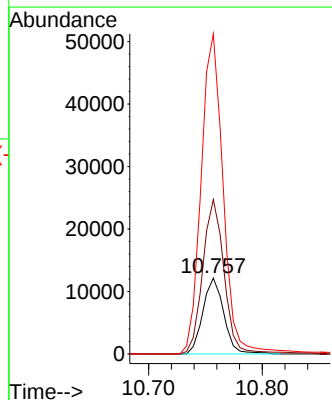
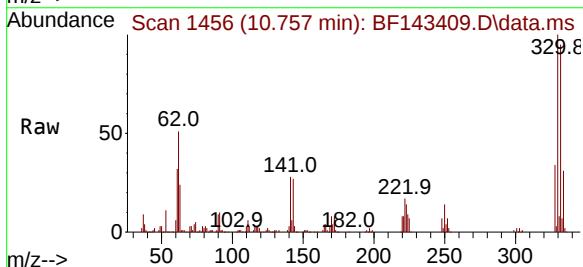
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

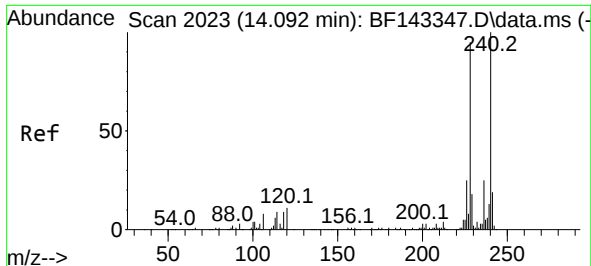
Tgt Ion:198 Resp: 380
Ion Ratio Lower Upper
198 100
51 225.9 41.7 81.7#
105 299.4 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.167 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:248 Resp: 15549
Ion Ratio Lower Upper
248 100
250 203.6 77.1 115.7#
141 422.0 59.1 88.7#

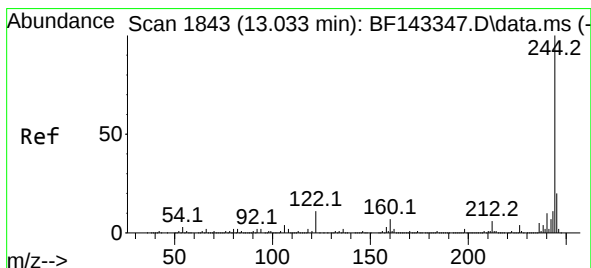
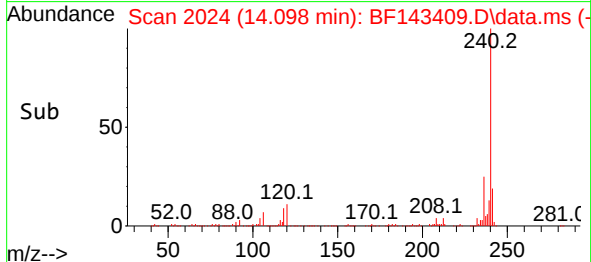
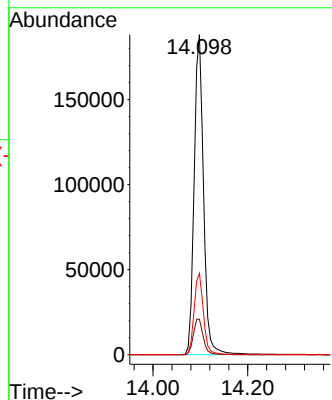
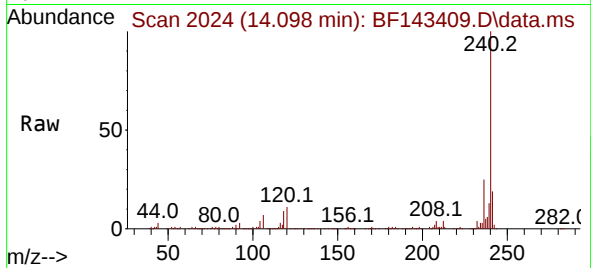




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

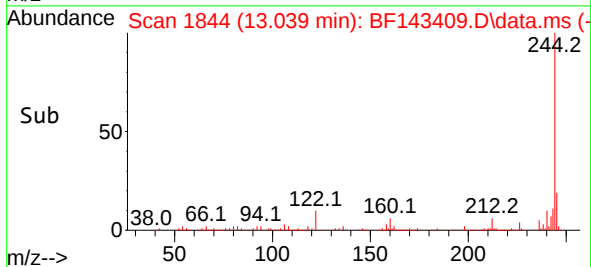
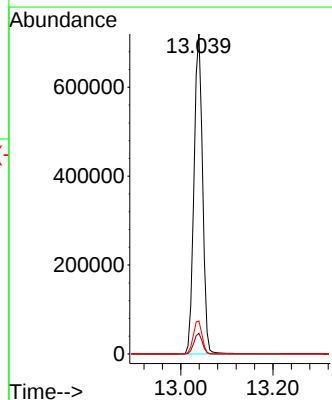
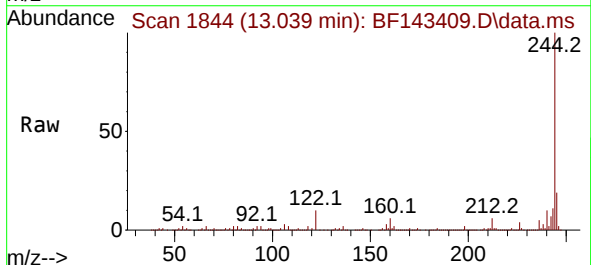
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

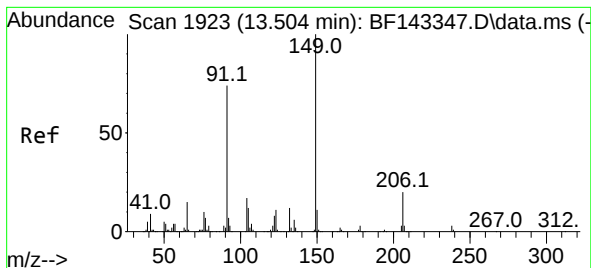
Tgt Ion:240 Resp: 260079
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.6
236 25.4 19.9 29.9



#79
Terphenyl-d14
Concen: 63.617 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:244 Resp: 926747
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 10.3 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.420 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

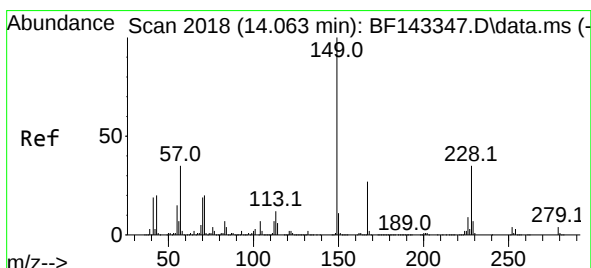
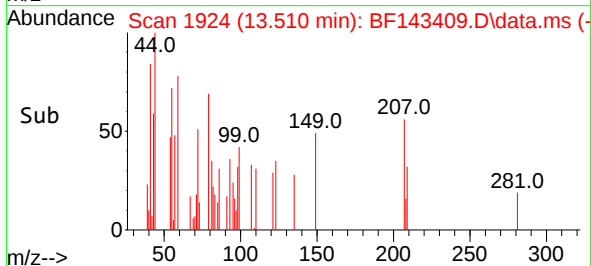
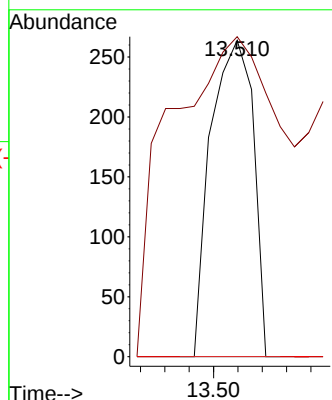
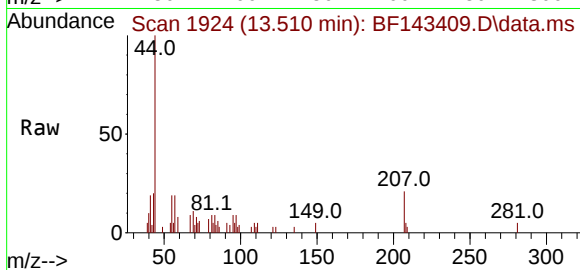
Tgt Ion:149 Resp: 320

Ion Ratio Lower Upper

149 100

91 101.1 58.8 88.2#

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.628 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

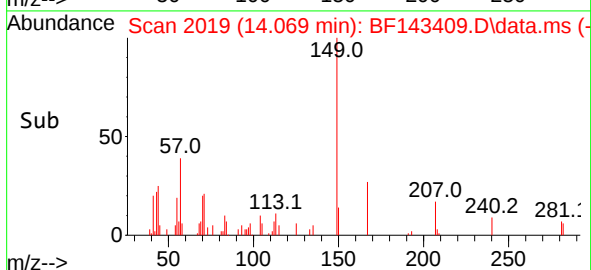
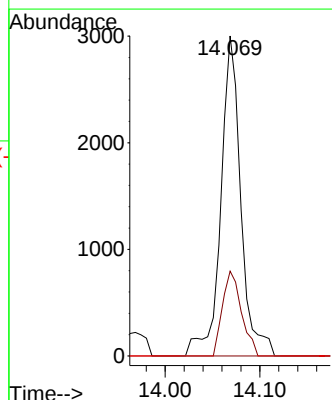
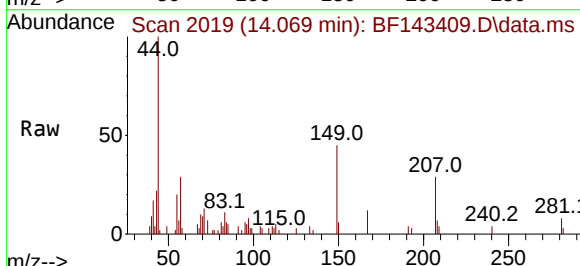
Tgt Ion:149 Resp: 4417

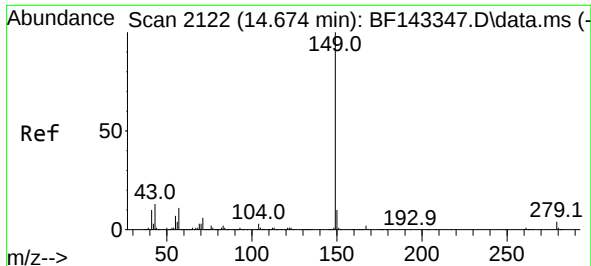
Ion Ratio Lower Upper

149 100

167 26.5 21.4 32.0

279 0.0 3.2 4.8#

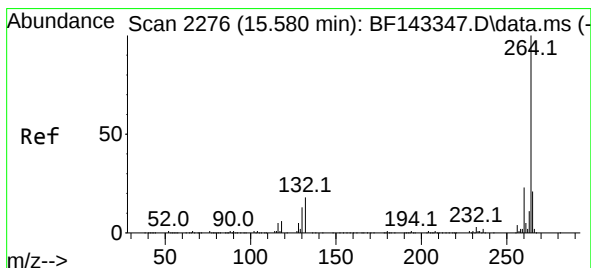
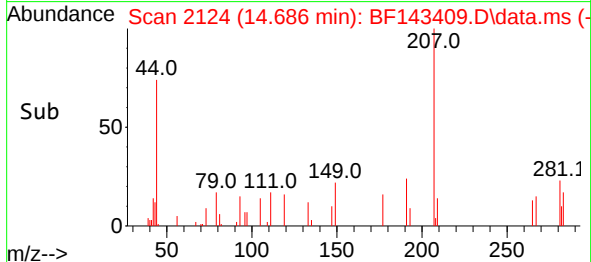
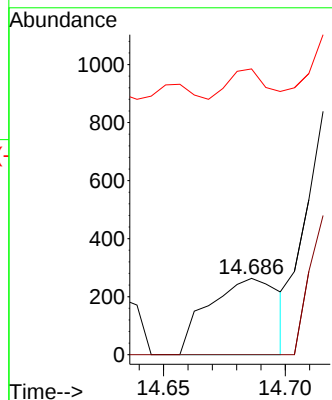
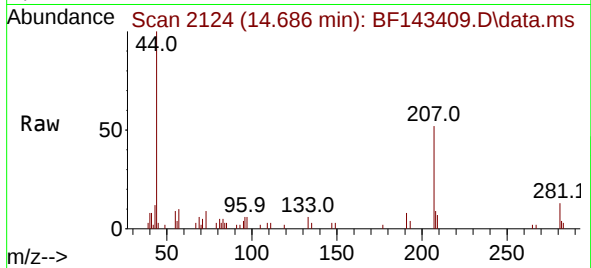




#85
Di-n-octyl phthalate
Concen: 6.061 ng
RT: 14.686 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

Tgt Ion:149 Resp: 524
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: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:264 Resp: 317026
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.6 17.2 25.8

