

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143403.D
 Acq On : 15 Aug 2025 05:52
 Operator : RC/JU
 Sample : Q2815-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-705R-S

Quant Time: Aug 15 07:48:09 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)

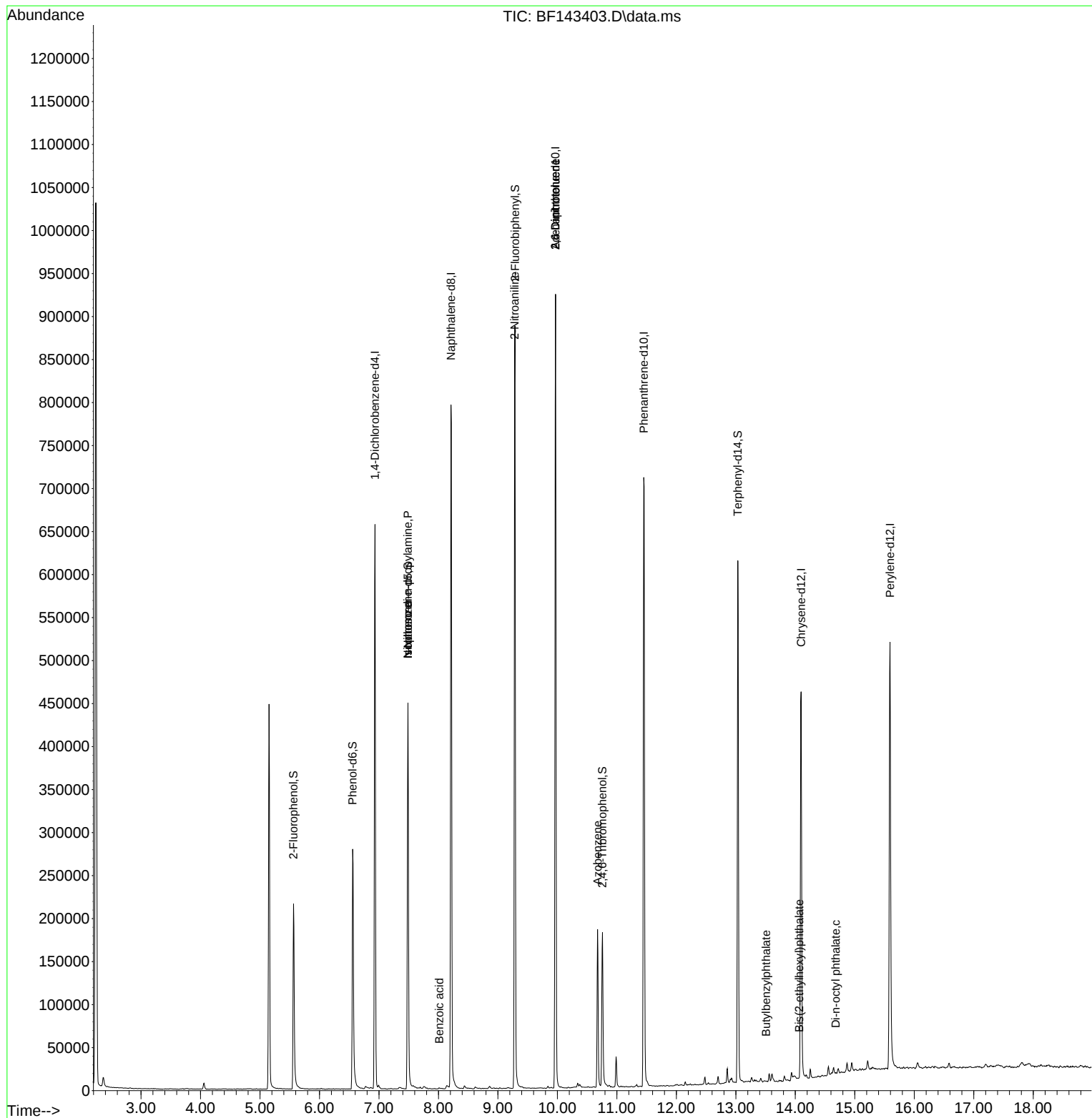
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	139694	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	534216	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279286	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	394740	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244401	20.000	ng	0.00
86) Perylene-d12	15.592	264	317027	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	90828	11.244	ng	0.00
7) Phenol-d6	6.557	99	145982	14.092	ng	0.00
23) Nitrobenzene-d5	7.487	82	200671	23.392	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	34041	16.678	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	405033	24.593	ng	0.00
79) Terphenyl-d14	13.033	244	307440	22.458	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	25792	4.029	ng	# 81
25) Isophorone	7.487	82	194913	11.130	ng	# 65
32) Benzoic acid	8.016	122	354	3.594	ng	# 23
48) 2-Nitroaniline	9.281	65	601	2.892	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	35691	13.807	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	35692	11.177	ng	# 19
63) Azobenzene	10.675	77	47795	2.863	ng	# 1
80) Butylbenzylphthalate	13.510	149	122	3.379	ng	# 59
84) Bis(2-ethylhexyl)phtha...	14.069	149	700	4.097	ng	# 86
85) Di-n-octyl phthalate	14.680	149	393	6.054	ng	# 70

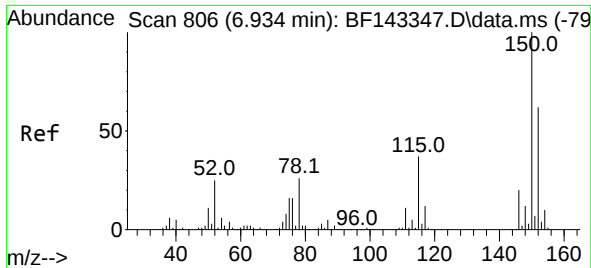
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 15 07:48:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
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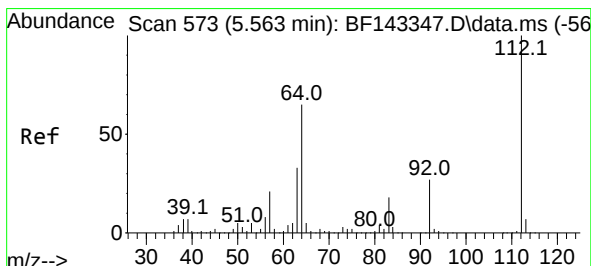
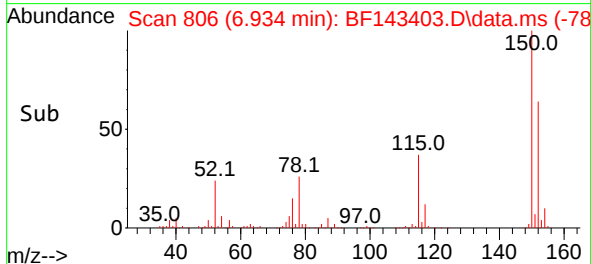
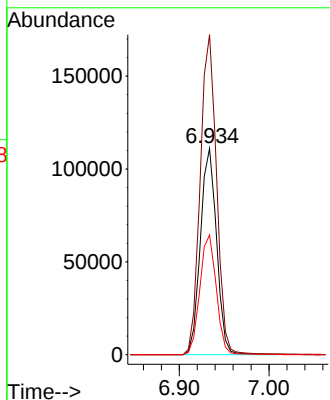
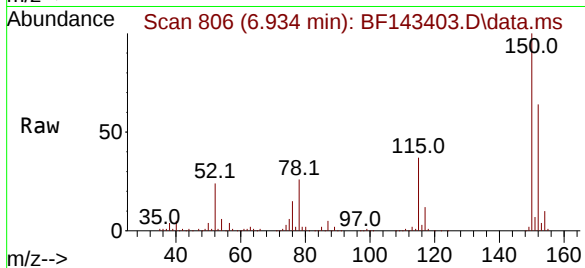




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143403.D
 Acq: 15 Aug 2025 05:52

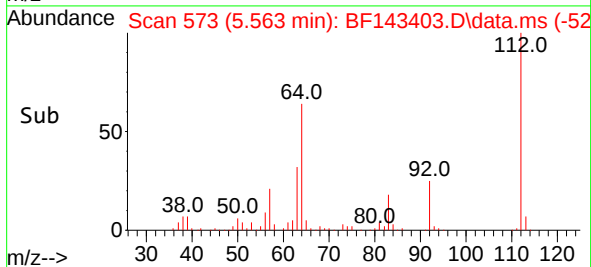
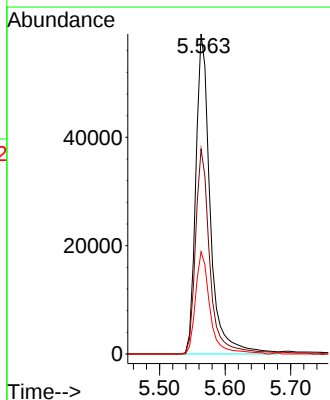
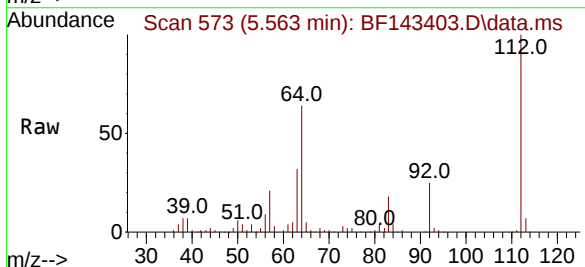
Instrument :
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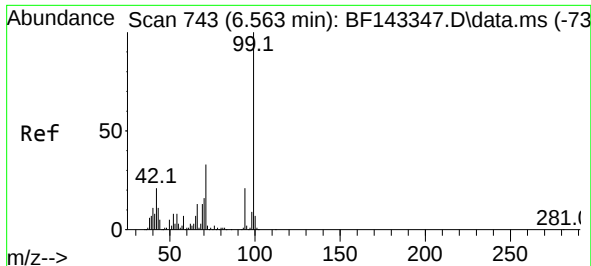
Tgt Ion:152 Resp: 139694
 Ion Ratio Lower Upper
 152 100
 150 155.1 129.8 194.8
 115 58.1 47.8 71.8



#5
 2-Fluorophenol
 Concen: 11.244 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: BF143403.D
 Acq: 15 Aug 2025 05:52

Tgt Ion:112 Resp: 90828
 Ion Ratio Lower Upper
 112 100
 64 64.0 52.1 78.1
 63 31.9 26.6 39.8

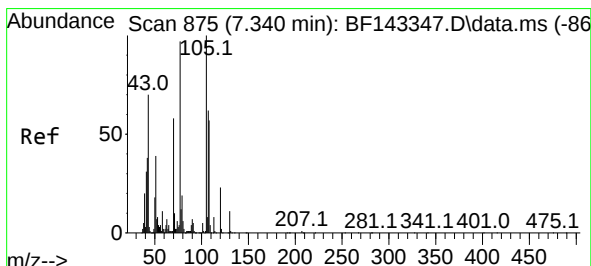
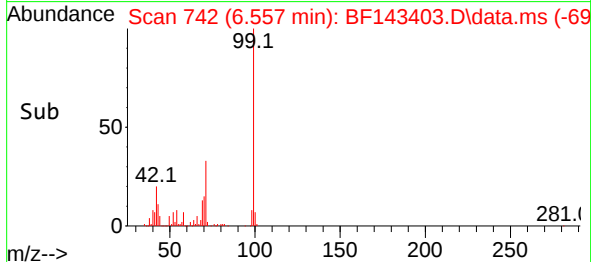
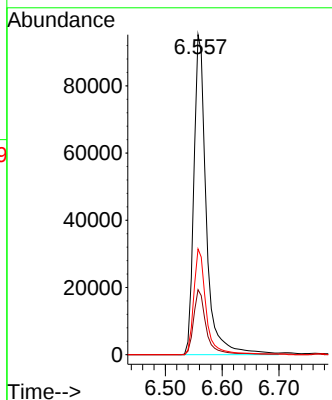
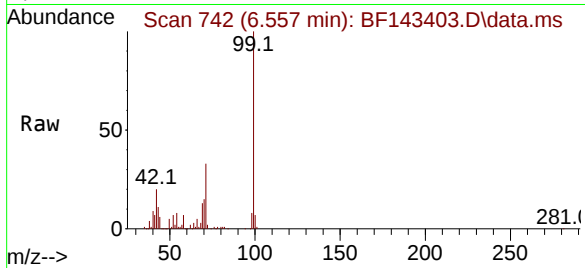




#7
Phenol-d6
Concen: 14.092 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

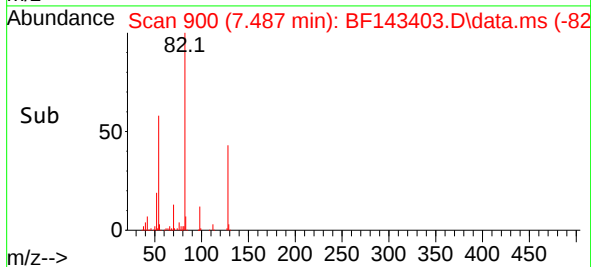
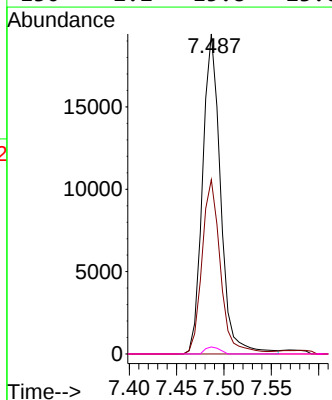
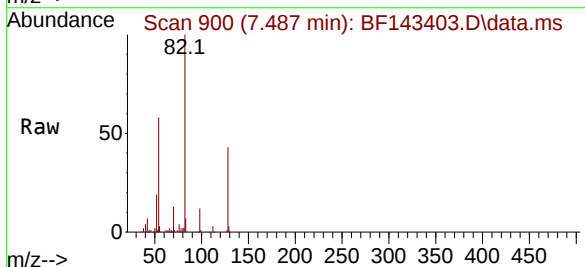
Instrument :
BNA_F
ClientSampleId :
TW-705R-S

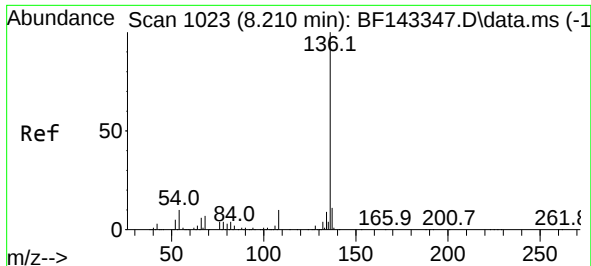
Tgt Ion: 99 Resp: 145982
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 33.0 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.029 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion: 70 Resp: 25792
Ion Ratio Lower Upper
70 100
42 54.4 51.6 77.4
101 0.0 7.5 11.3#
130 2.2 15.8 23.6#

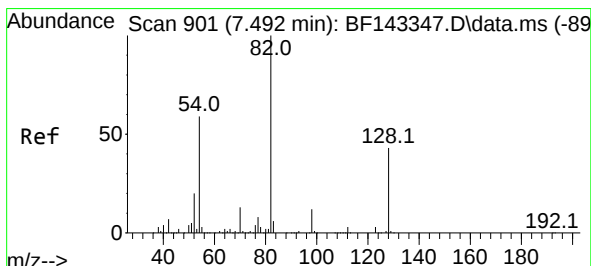
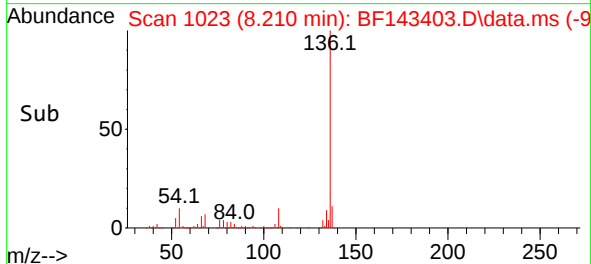
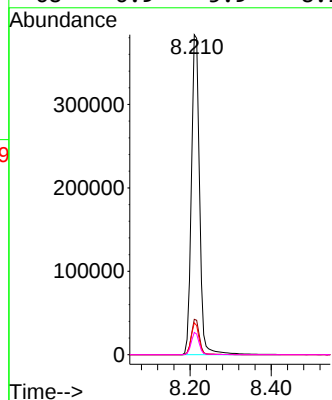
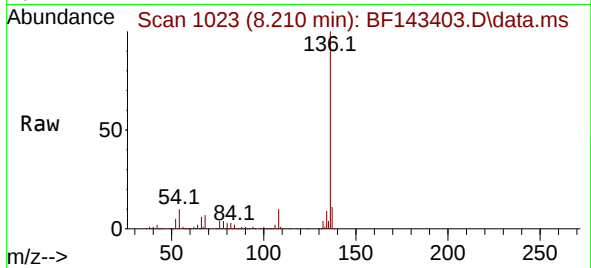




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

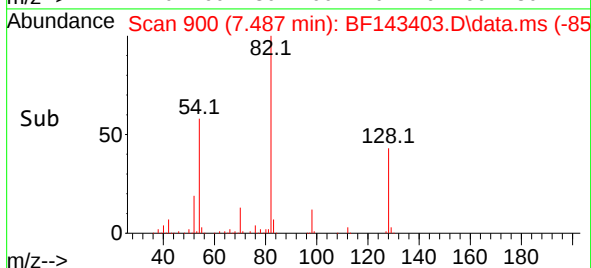
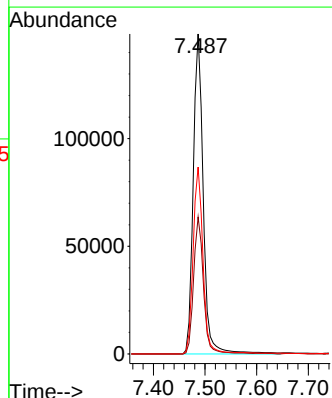
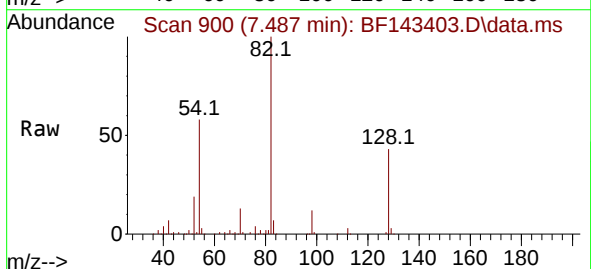
Instrument :
BNA_F
ClientSampleId :
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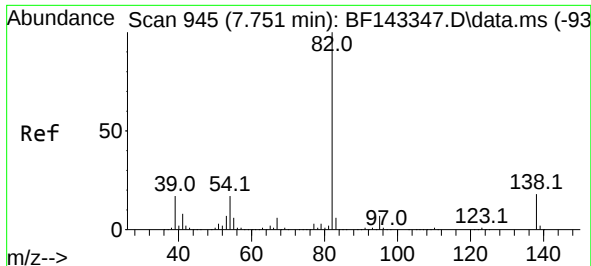
Tgt Ion:	136	Resp:	534216
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.9	8.4	12.6
68	6.9	5.9	8.9



#23
Nitrobenzene-d5
Concen: 23.392 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion:	82	Resp:	200671
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	58.4	46.7	70.1

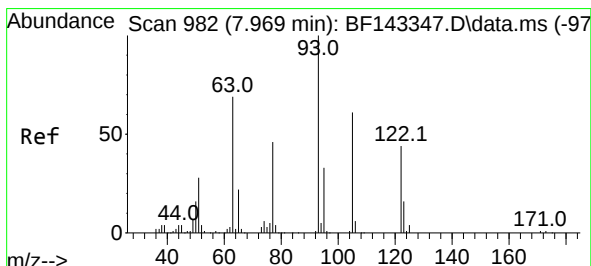
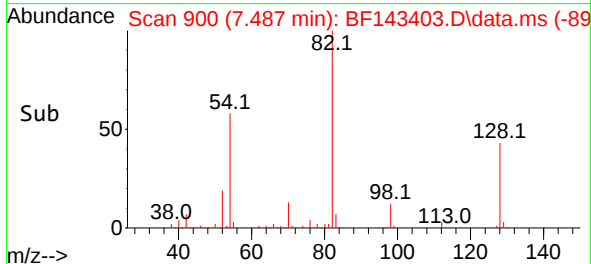
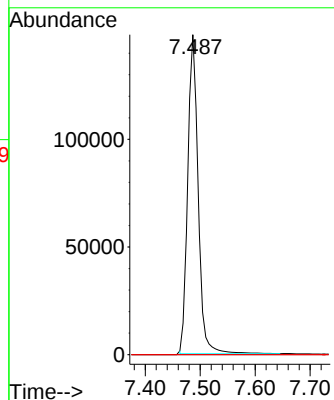
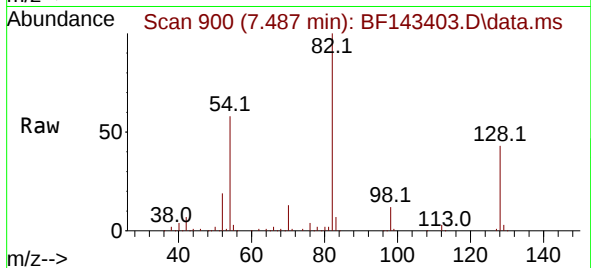




#25
Isophorone
Concen: 11.130 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

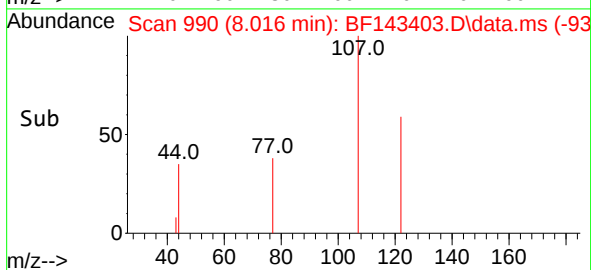
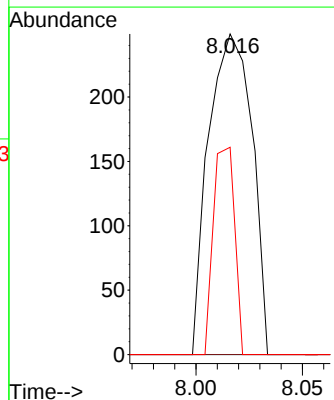
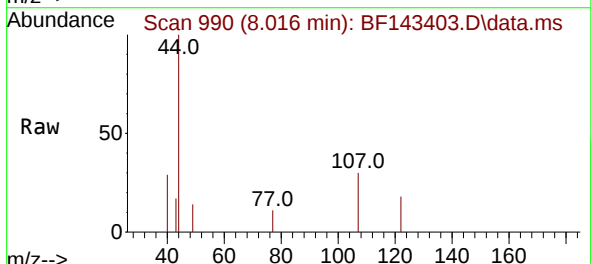
Instrument :
BNA_F
ClientSampleId :
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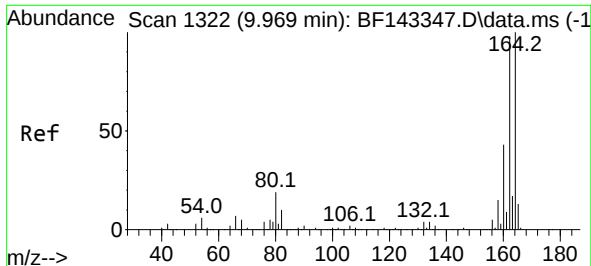
Tgt Ion: 82 Resp: 194913
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.594 ng
RT: 8.016 min Scan# 990
Delta R.T. 0.047 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion:122 Resp: 354
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 64.7 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

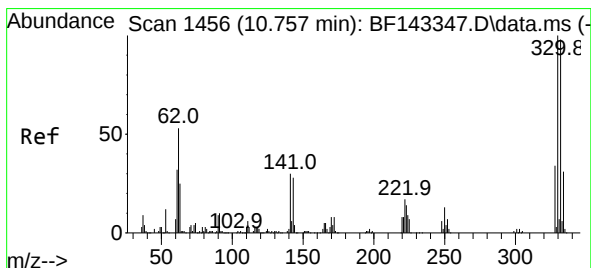
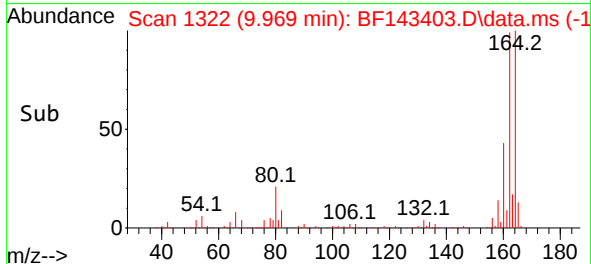
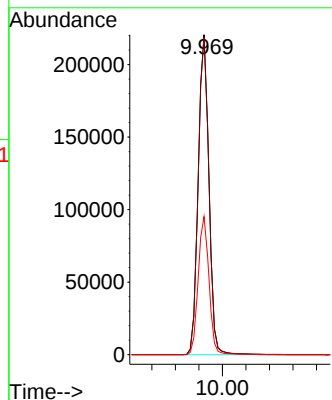
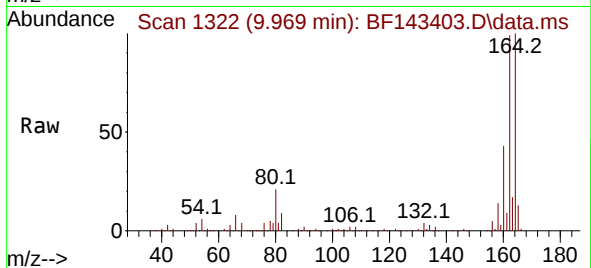
Tgt Ion:164 Resp: 279286

Ion Ratio Lower Upper

164 100

162 99.4 78.6 118.0

160 43.2 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 16.678 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

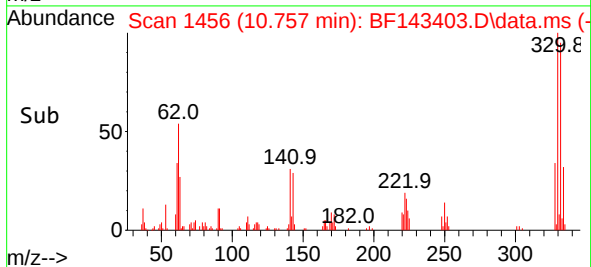
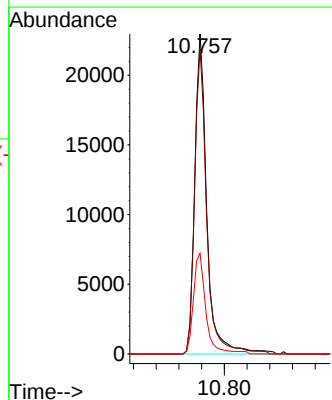
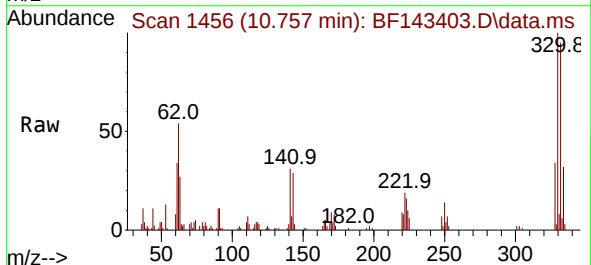
Tgt Ion:330 Resp: 34041

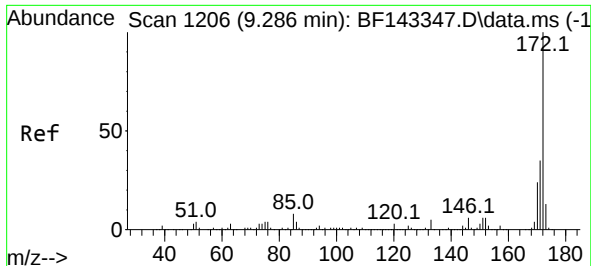
Ion Ratio Lower Upper

330 100

332 95.4 78.1 117.1

141 31.8 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 24.593 ng

RT: 9.287 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

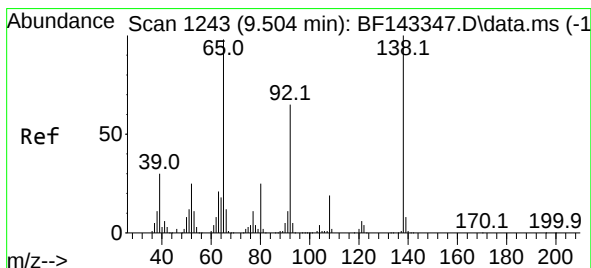
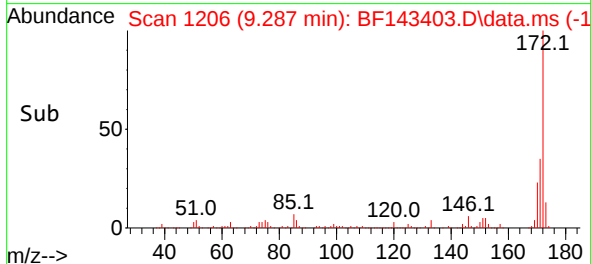
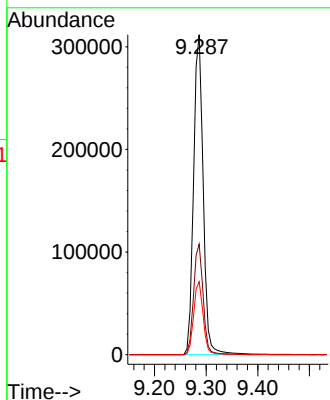
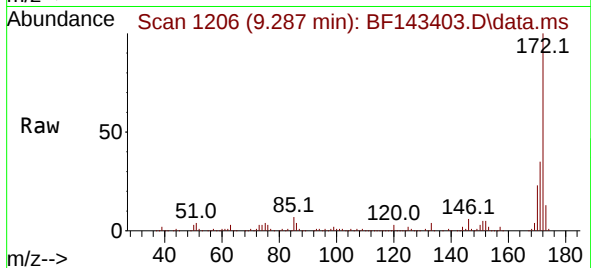
Tgt Ion:172 Resp: 405033

Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 22.8 19.1 28.7



#48

2-Nitroaniline

Concen: 2.892 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.223 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

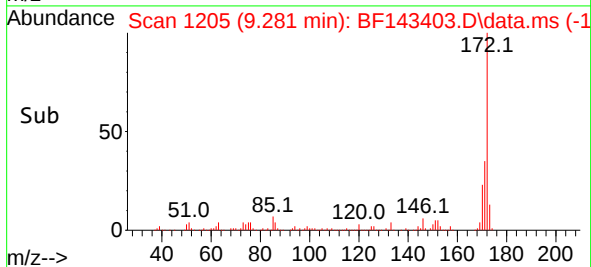
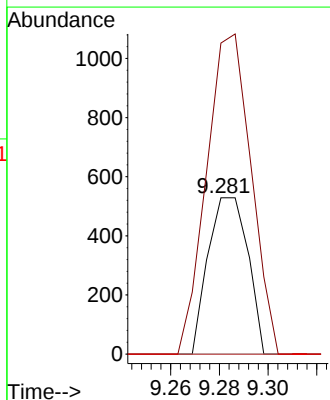
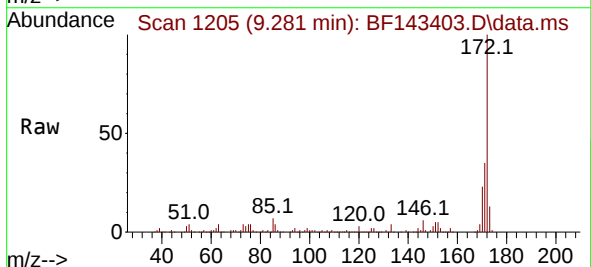
Tgt Ion: 65 Resp: 601

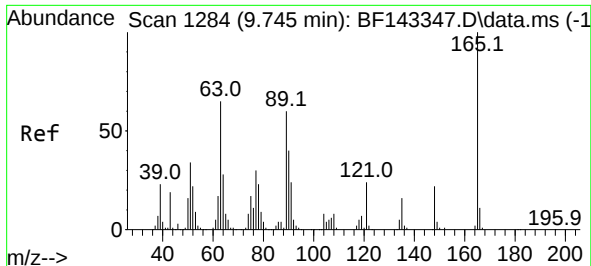
Ion Ratio Lower Upper

65 100

92 198.9 53.1 79.7#

138 0.0 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.807 ng

RT: 9.969 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

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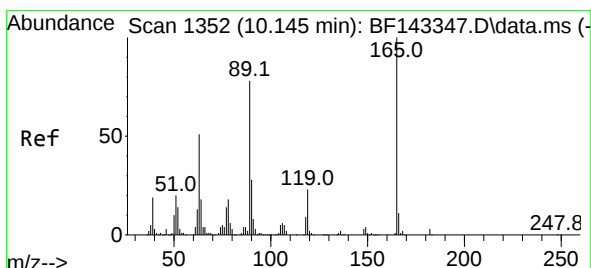
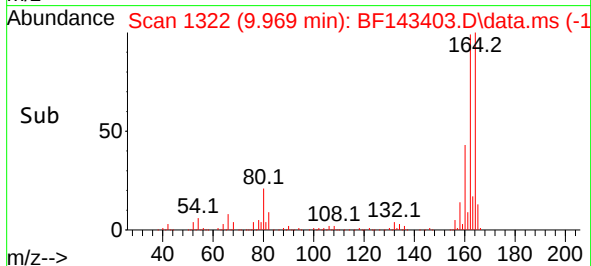
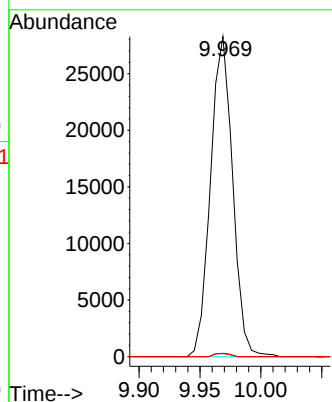
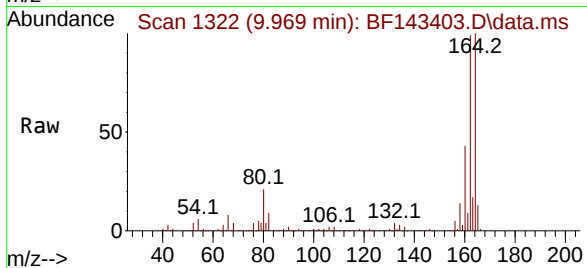
Tgt Ion:165 Resp: 35691

Ion Ratio Lower Upper

165 100

63 1.0 51.6 77.4#

89 0.9 47.7 71.5#



#57

2,4-Dinitrotoluene

Concen: 11.177 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Tgt Ion:165 Resp: 35692

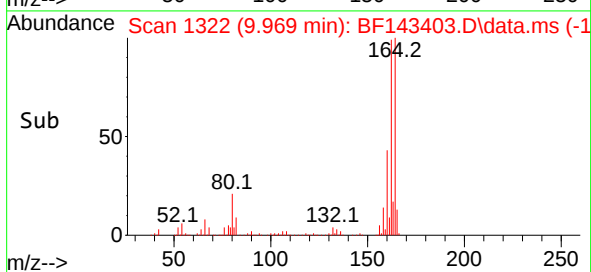
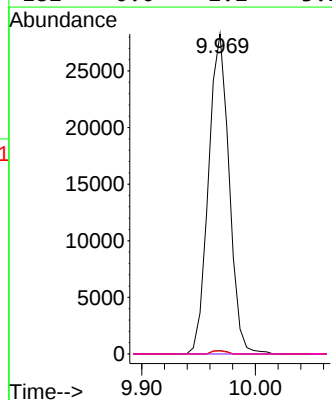
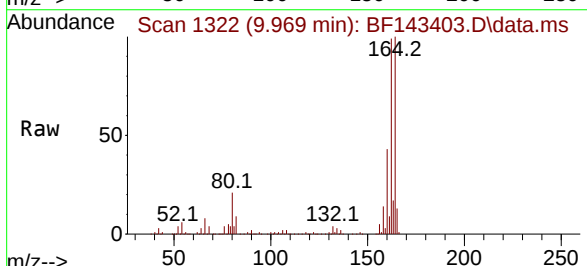
Ion Ratio Lower Upper

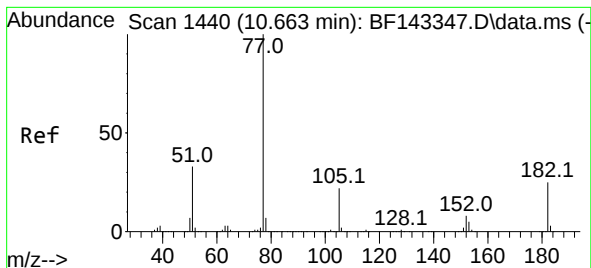
165 100

63 1.0 41.8 62.8#

89 0.9 62.4 93.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.863 ng

RT: 10.675 min Scan# 1442

Delta R.T. 0.012 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

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TW-705R-S

Tgt Ion: 77 Resp: 47795

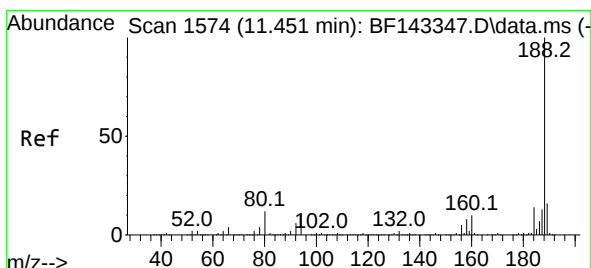
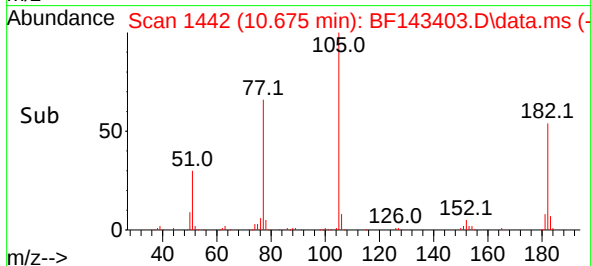
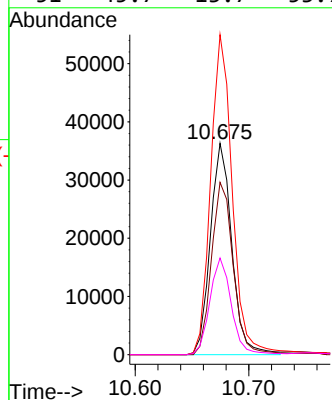
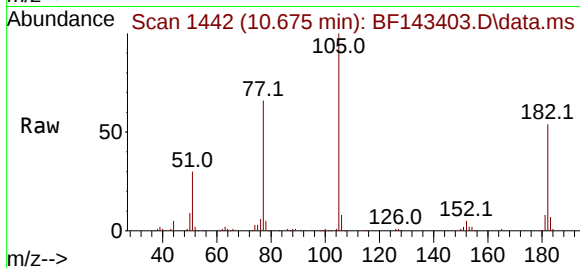
Ion Ratio Lower Upper

77 100

182 81.6 4.4 44.4#

105 151.4 1.8 41.8#

51 45.7 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

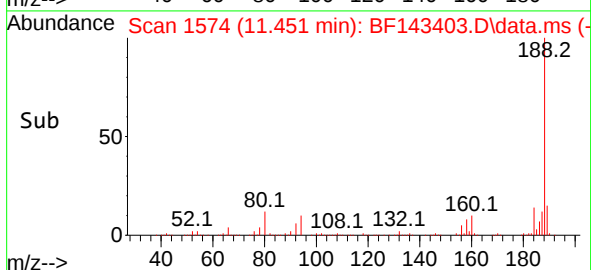
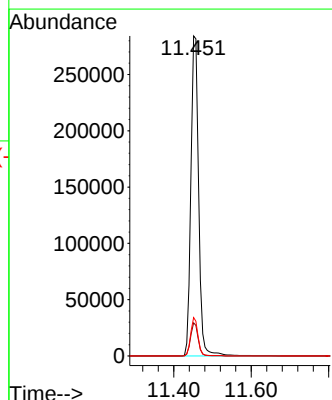
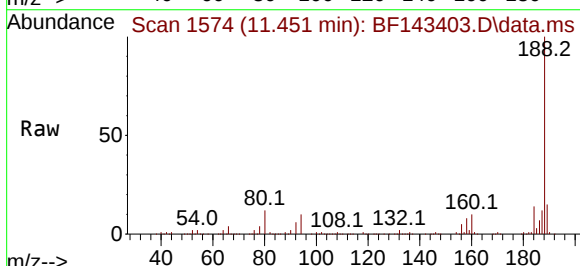
Tgt Ion: 188 Resp: 394740

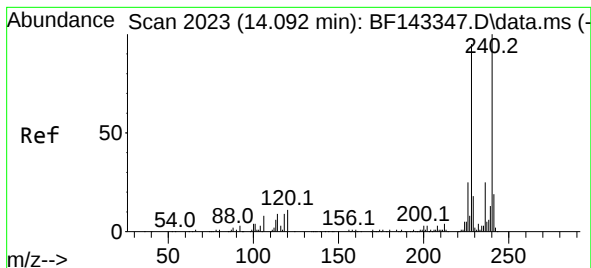
Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 12.0 9.7 14.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

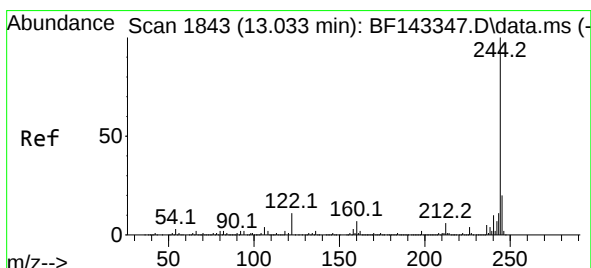
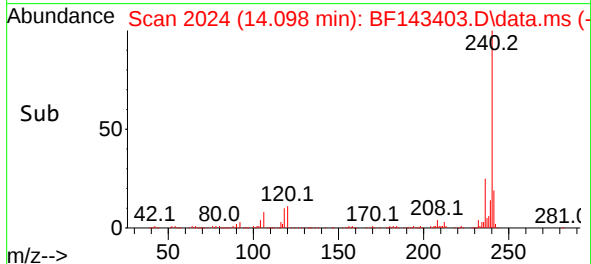
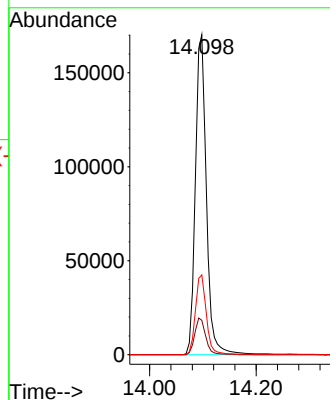
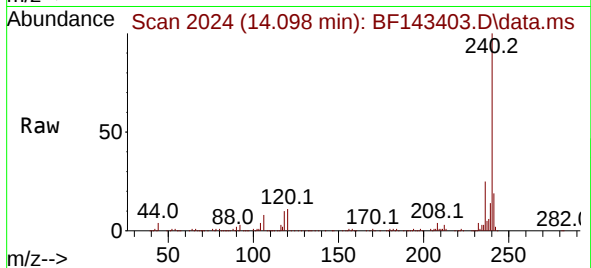
Tgt Ion:240 Resp: 244401

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

236 25.0 19.9 29.9



#79

Terphenyl-d14

Concen: 22.458 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

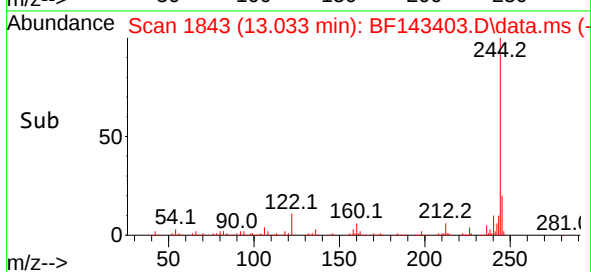
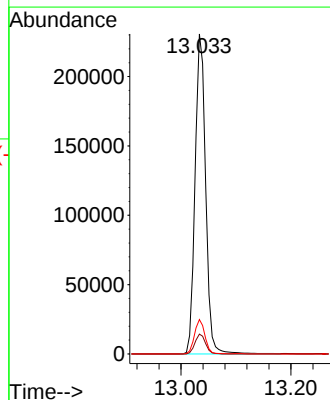
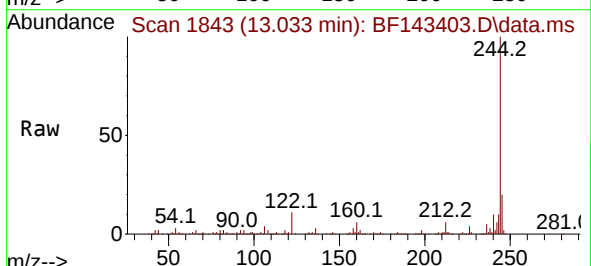
Tgt Ion:244 Resp: 307440

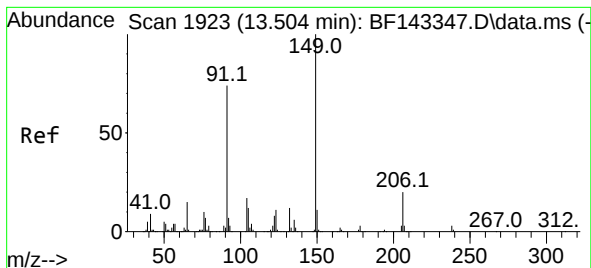
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.8 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.379 ng

RT: 13.510 min Scan# 1923

Delta R.T. 0.006 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

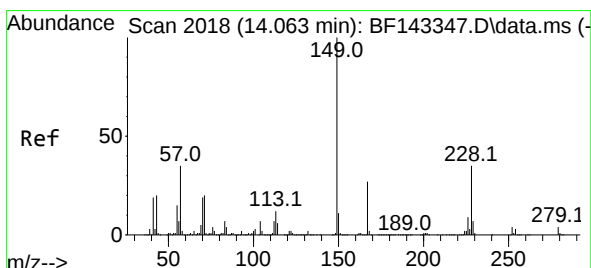
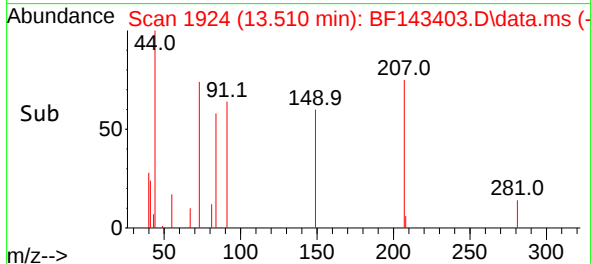
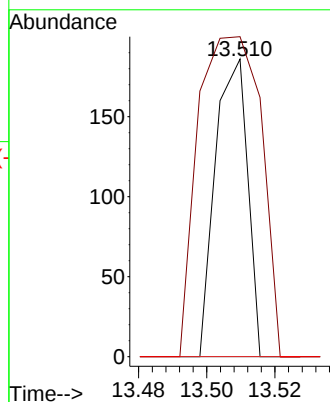
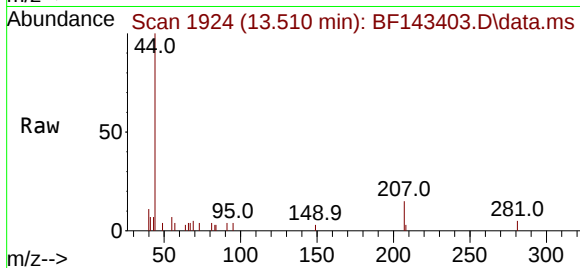
Instrument :

BNA_F

ClientSampleId :

TW-705R-S

Tgt Ion:149	Resp:	122
Ion Ratio	Lower	Upper
149	100	
91	107.5	58.8 88.2#
206	0.0	16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.097 ng

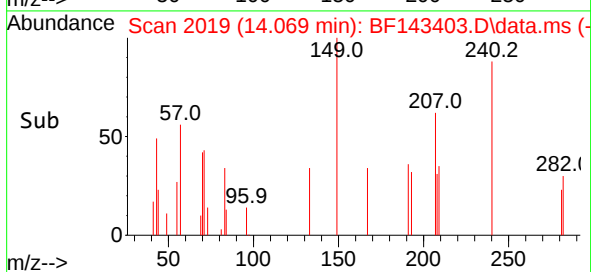
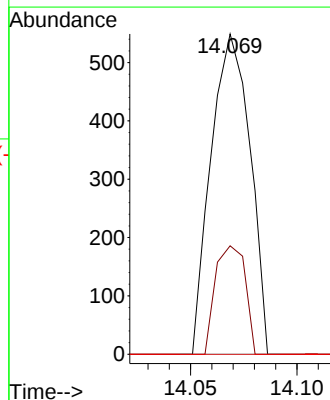
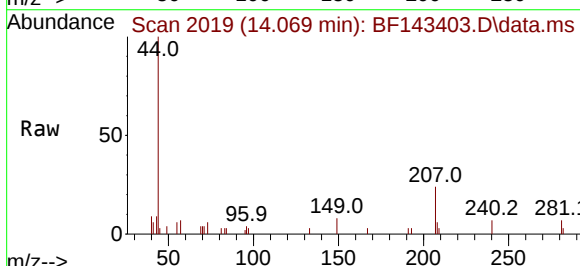
RT: 14.069 min Scan# 2019

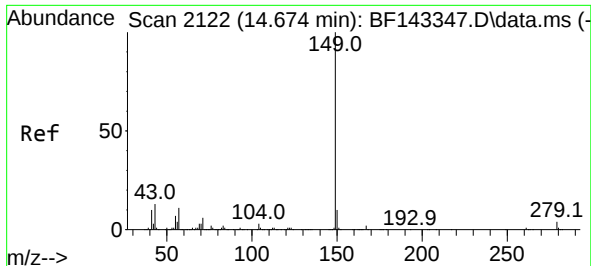
Delta R.T. 0.006 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Tgt Ion:149	Resp:	700
Ion Ratio	Lower	Upper
149	100	
167	33.9	21.4 32.0#
279	0.0	3.2 4.8#

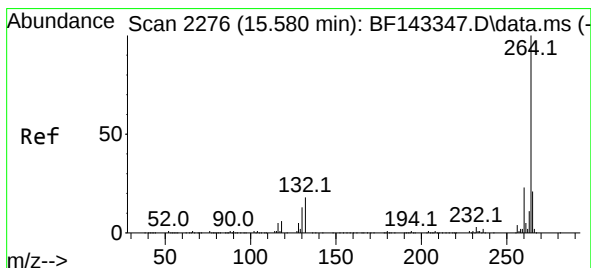
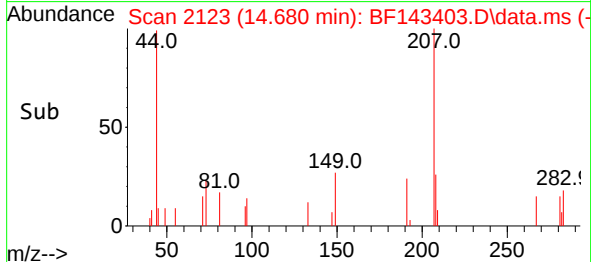
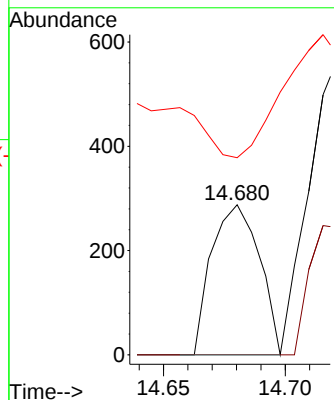
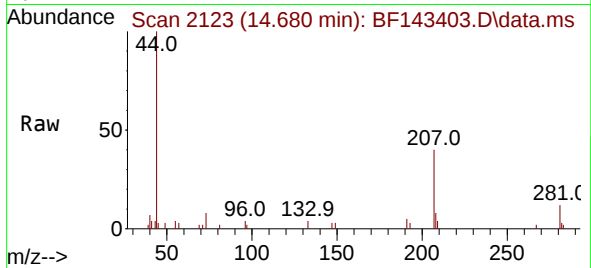




#85
Di-n-octyl phthalate
Concen: 6.054 ng
RT: 14.680 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

Tgt Ion:149 Resp: 393
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: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion:264 Resp: 317027
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.6 17.2 25.8

