

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143396.D
 Acq On : 14 Aug 2025 22:26
 Operator : RC/JU
 Sample : Q2814-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB

Quant Time: Aug 15 01:35:19 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)

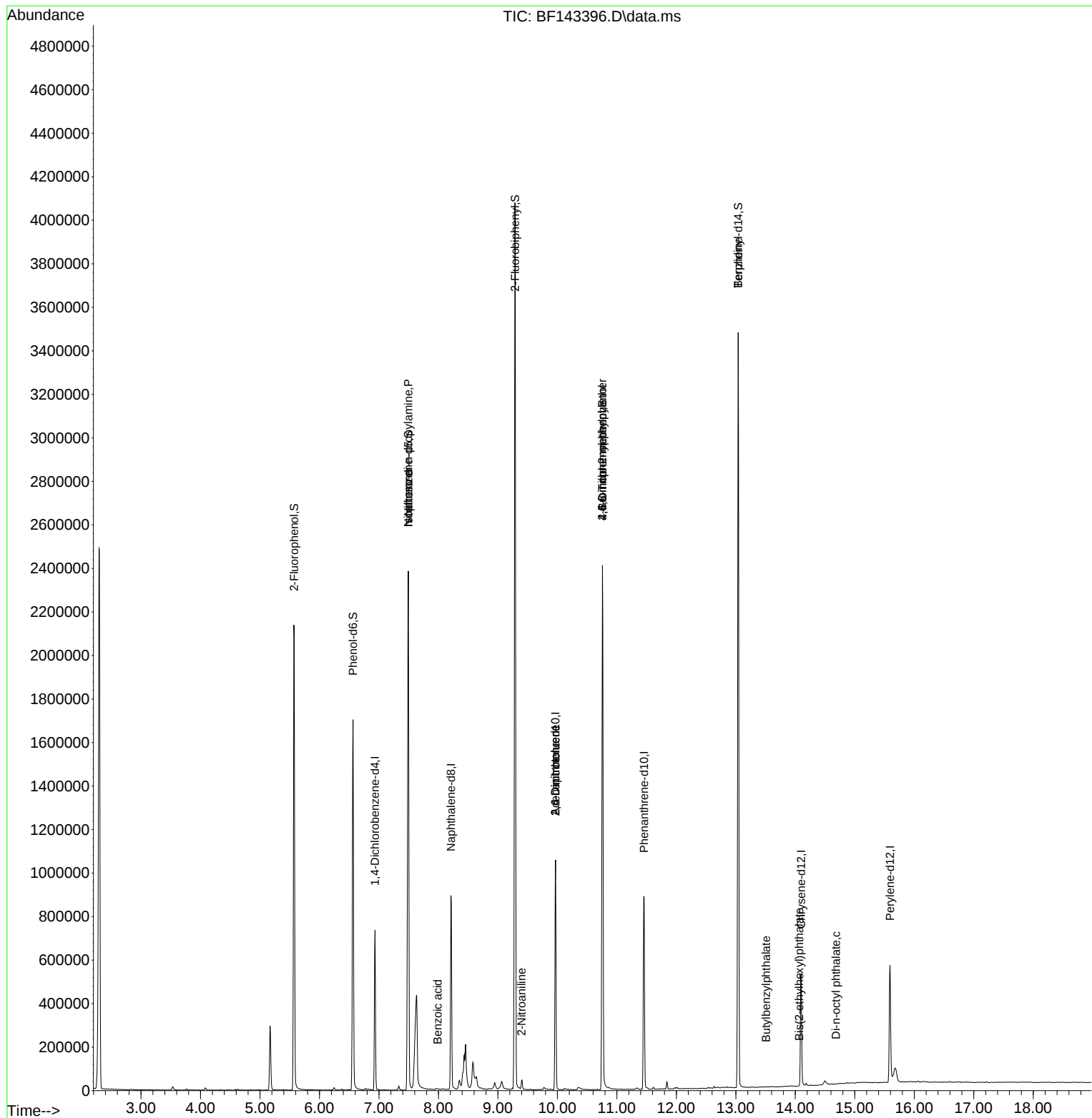
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	150641	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	593779	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	319866	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	472967	20.000	ng	0.00
76) Chrysene-d12	14.098	240	271036	20.000	ng	0.00
86) Perylene-d12	15.592	264	338281	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	792473	90.971	ng	0.01
7) Phenol-d6	6.563	99	784702	70.244	ng	0.00
23) Nitrobenzene-d5	7.493	82	1141927	119.761	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	459211	196.441	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1917270	101.643	ng	0.00
79) Terphenyl-d14	13.039	244	1743923	114.874	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.493	70	156365	22.653	ng	# 79
25) Isophorone	7.493	82	1122371	57.661	ng	# 65
32) Benzoic acid	7.987	122	911	3.776	ng	# 88
48) 2-Nitroaniline	9.398	65	594	2.875	ng	# 6
51) 2,6-Dinitrotoluene	9.969	165	41472	13.965	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	41472	11.295	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.757	198	824	7.626	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	29527	5.459	ng	# 1
77) Benzidine	13.039	184	20108	2.714	ng	# 94
80) Butylbenzylphthalate	13.510	149	219	3.396	ng	# 81
84) Bis(2-ethylhexyl)phtha...	14.069	149	1616	4.214	ng	# 95
85) Di-n-octyl phthalate	14.686	149	446	6.054	ng	# 1

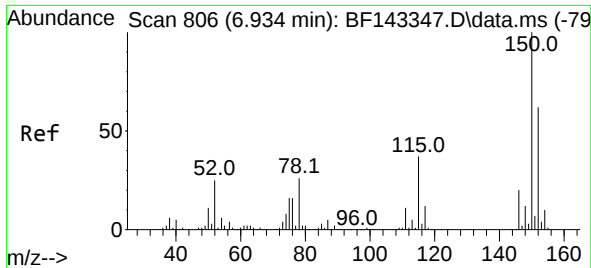
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
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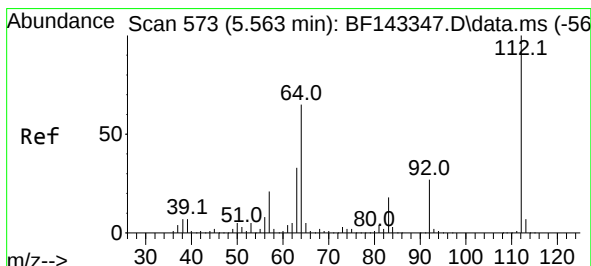
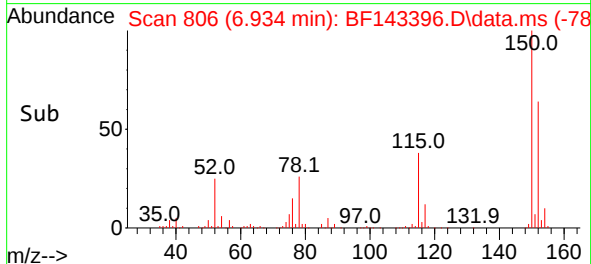
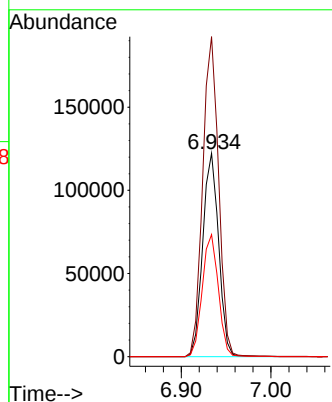
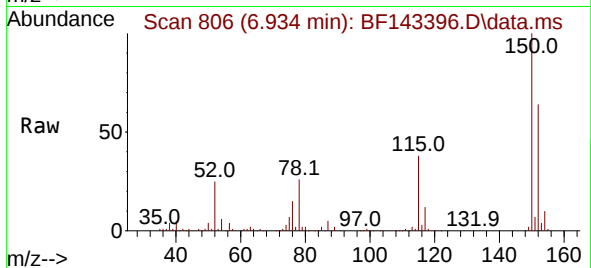




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

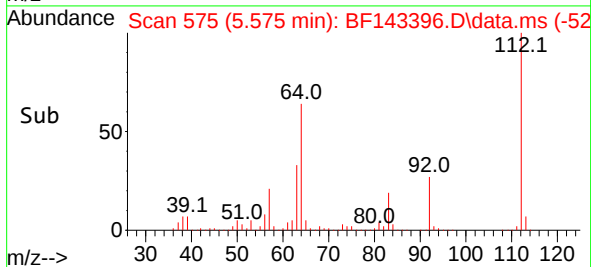
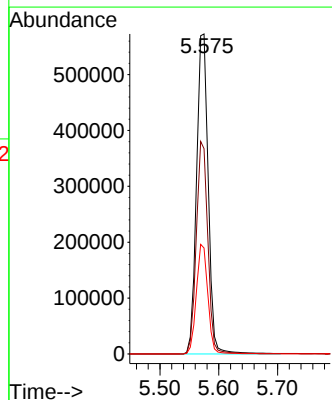
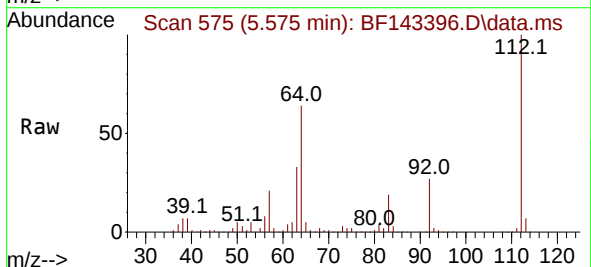
Instrument :
BNA_F
ClientSampleId :
FB

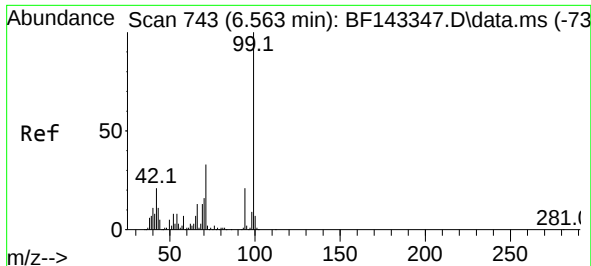
Tgt Ion:152 Resp: 150641
Ion Ratio Lower Upper
152 100
150 157.4 129.8 194.8
115 60.0 47.8 71.8



#5
2-Fluorophenol
Concen: 90.971 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:112 Resp: 792473
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 33.1 26.6 39.8

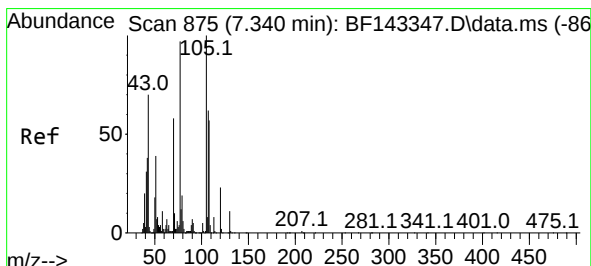
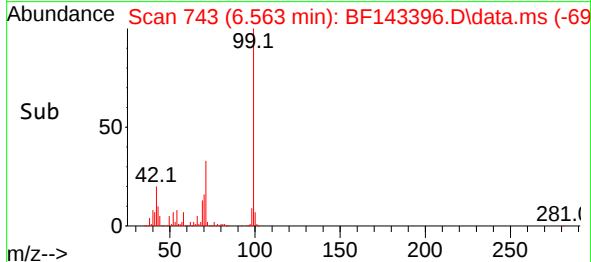
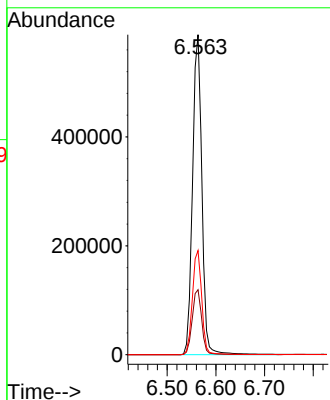
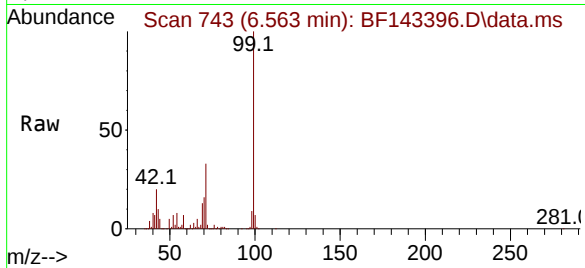




#7
Phenol-d6
Concen: 70.244 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

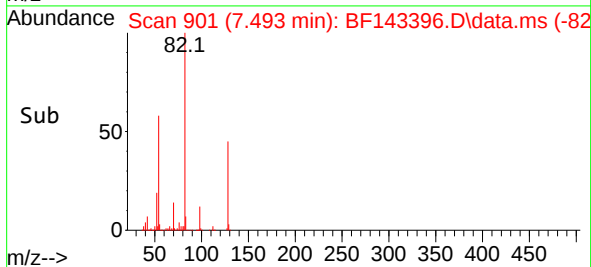
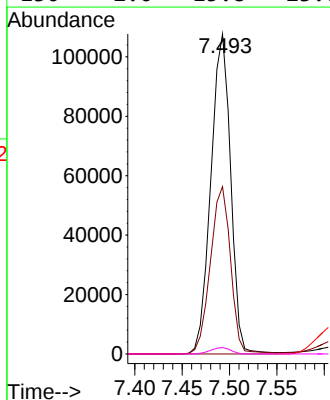
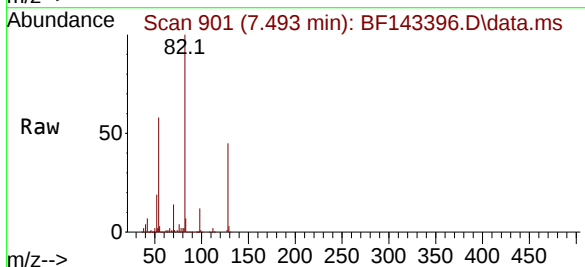
Instrument :
BNA_F
ClientSampleId :
FB

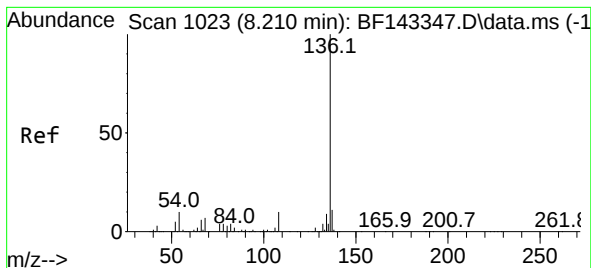
Tgt Ion: 99 Resp: 784702
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 32.6 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 22.653 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion: 70 Resp: 156365
Ion Ratio Lower Upper
70 100
42 52.3 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# 10

Delta R.T. 0.000 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB

Tgt Ion:136 Resp: 593779

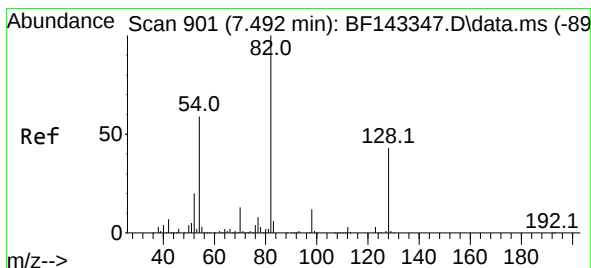
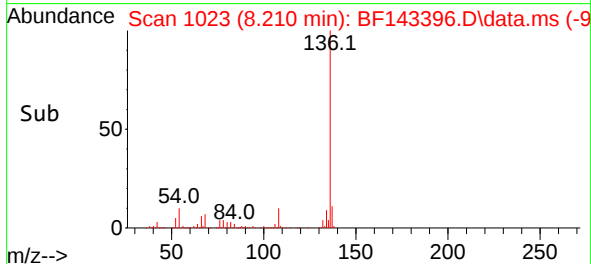
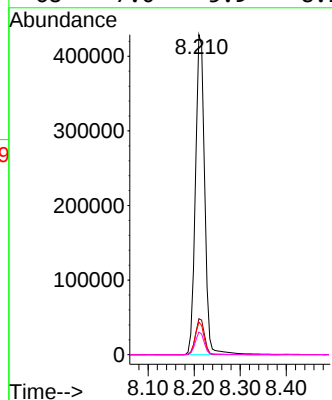
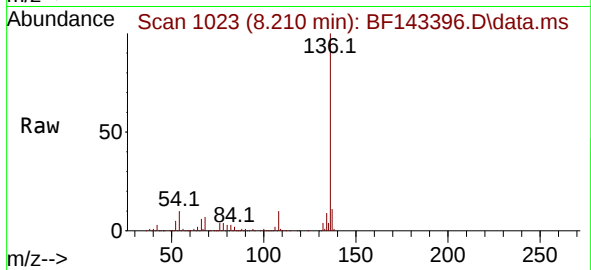
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 10.2 8.4 12.6

68 7.0 5.9 8.9



#23

Nitrobenzene-d5

Concen: 119.761 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

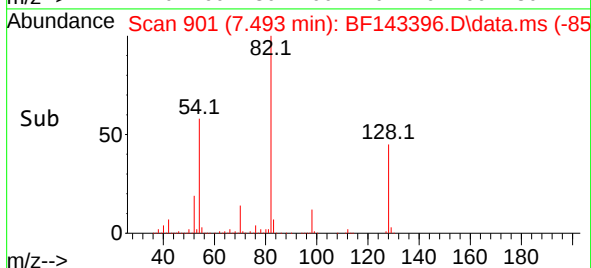
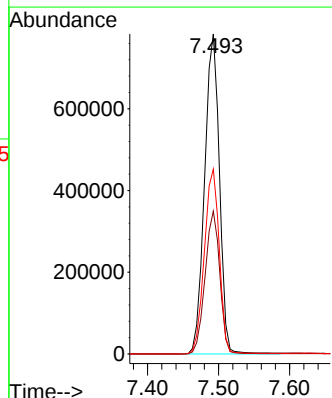
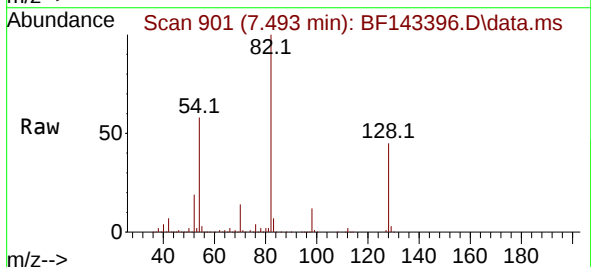
Tgt Ion: 82 Resp: 1141927

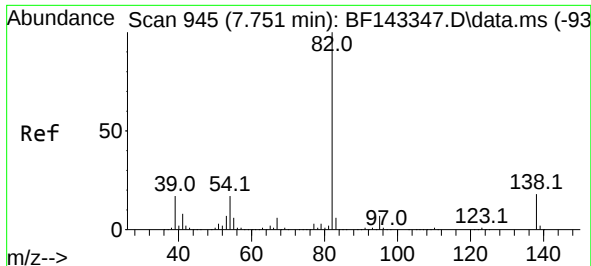
Ion Ratio Lower Upper

82 100

128 44.7 33.5 50.3

54 57.8 46.7 70.1

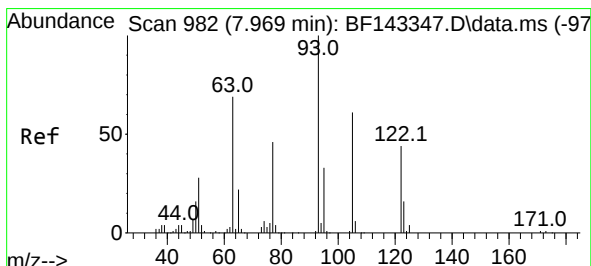
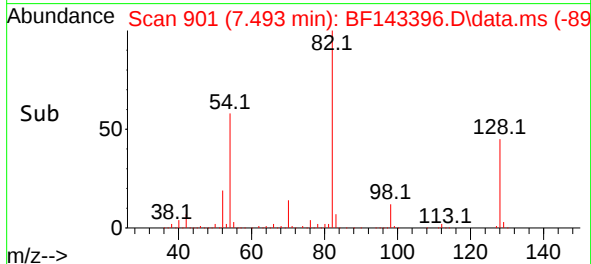
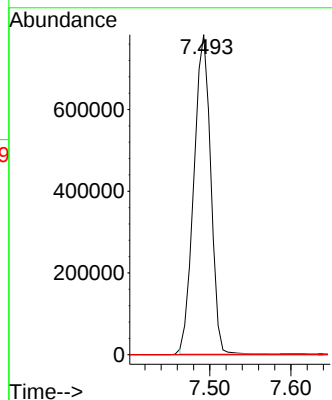
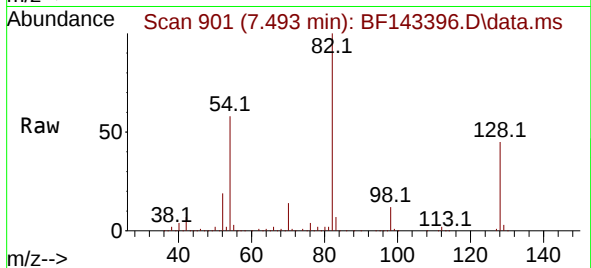




#25
Isophorone
Concen: 57.661 ng
RT: 7.493 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

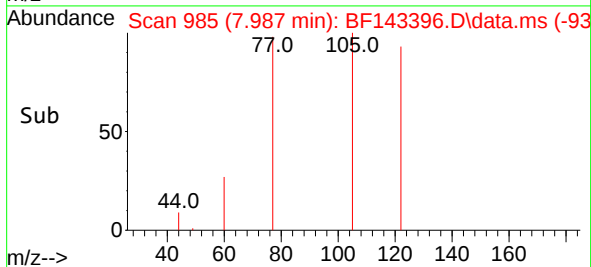
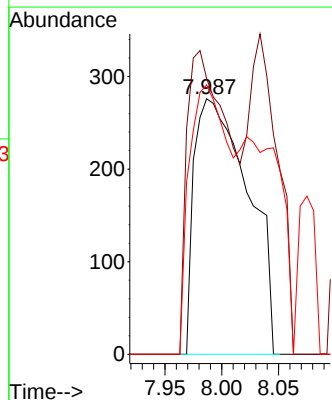
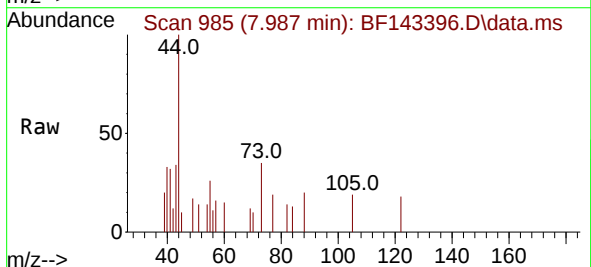
Instrument :
BNA_F
ClientSampleId :
FB

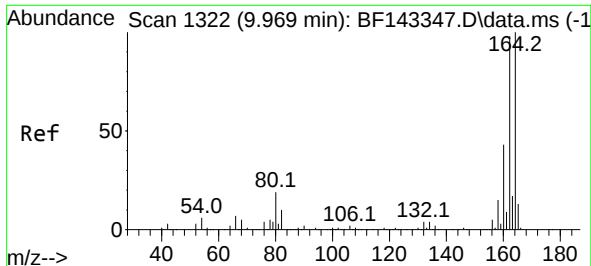
Tgt Ion: 82 Resp: 1122371
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.776 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.018 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

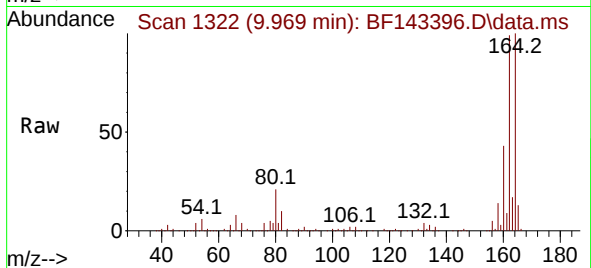
Tgt Ion:122 Resp: 911
Ion Ratio Lower Upper
122 100
105 108.0 106.4 146.4
77 105.4 79.2 119.2



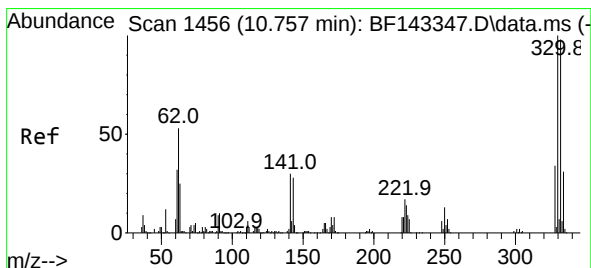
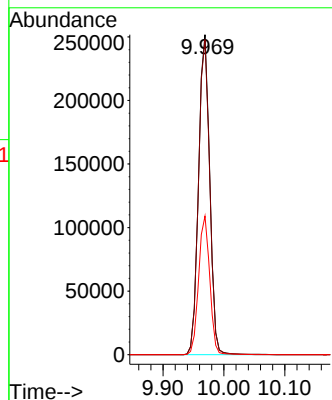
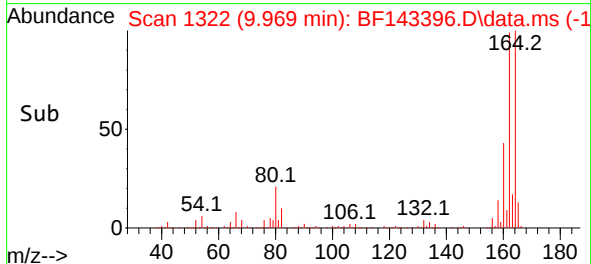


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

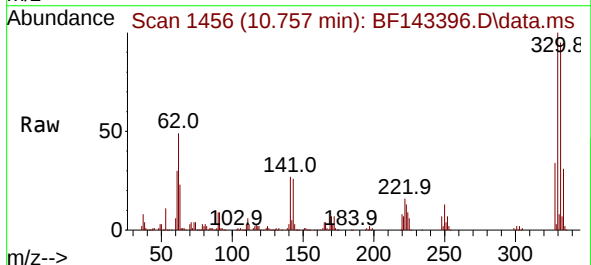
Instrument :
BNA_F
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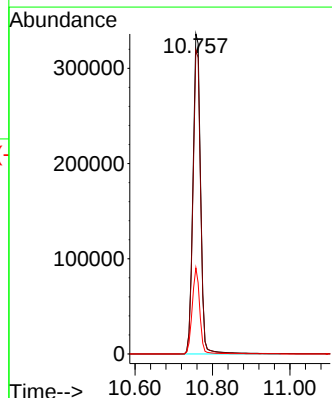
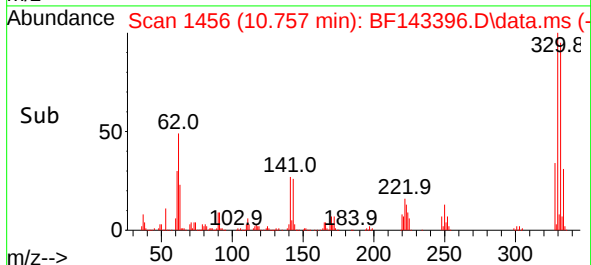
Tgt Ion:164 Resp: 319866
Ion Ratio Lower Upper
164 100
162 98.5 78.6 118.0
160 43.3 34.4 51.6

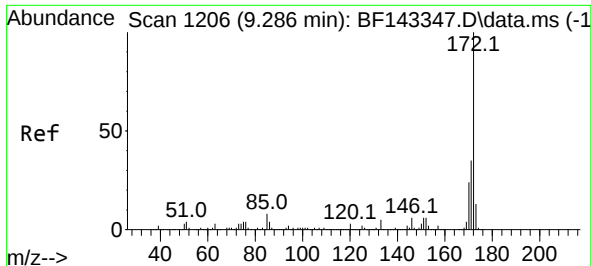


#42
2,4,6-Tribromophenol
Concen: 196.441 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26



Tgt Ion:330 Resp: 459211
Ion Ratio Lower Upper
330 100
332 95.3 78.1 117.1
141 26.6 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 101.643 ng

RT: 9.287 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB

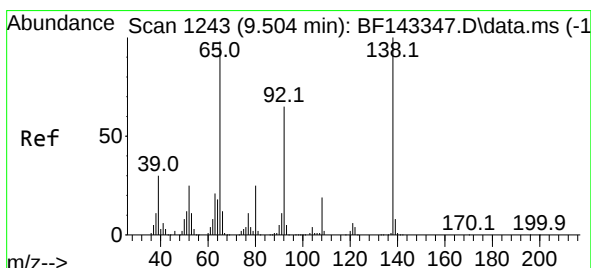
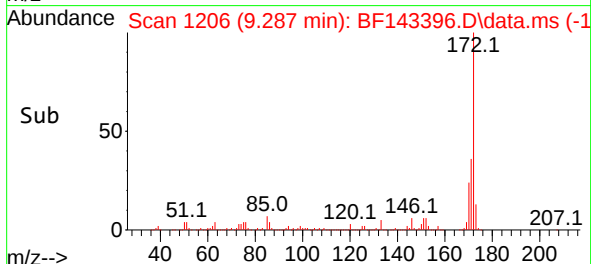
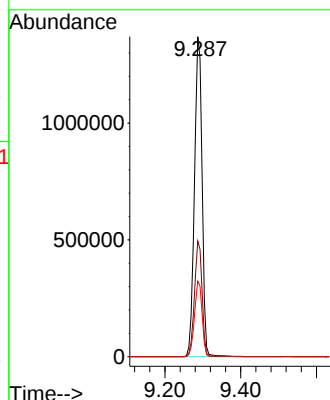
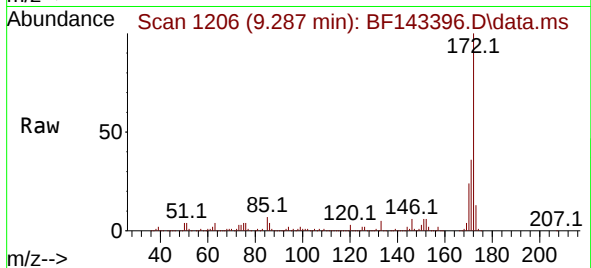
Tgt Ion:172 Resp: 1917270

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 23.6 19.1 28.7



#48

2-Nitroaniline

Concen: 2.875 ng

RT: 9.398 min Scan# 1225

Delta R.T. -0.106 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

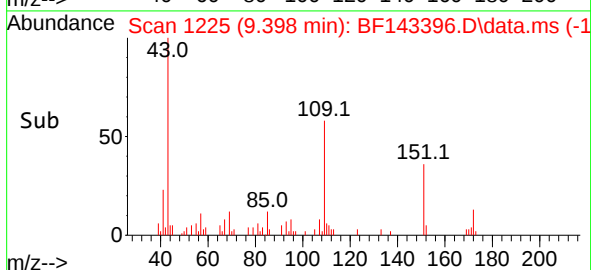
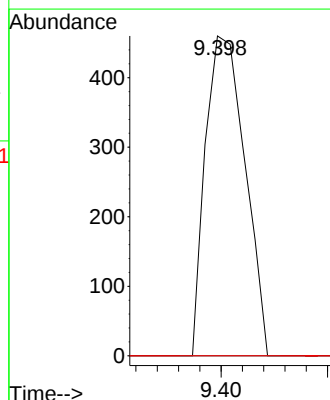
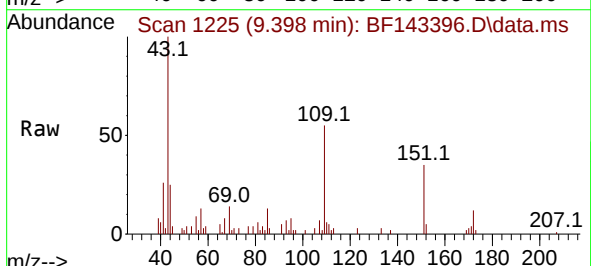
Tgt Ion: 65 Resp: 594

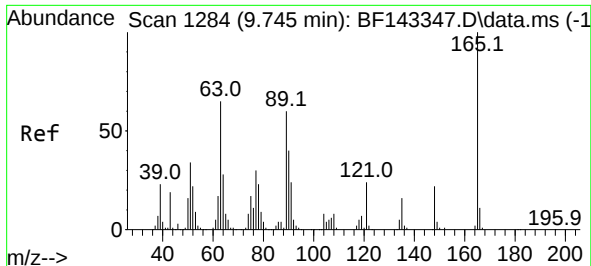
Ion Ratio Lower Upper

65 100

92 0.0 53.1 79.7#

138 0.0 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.965 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.224 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB

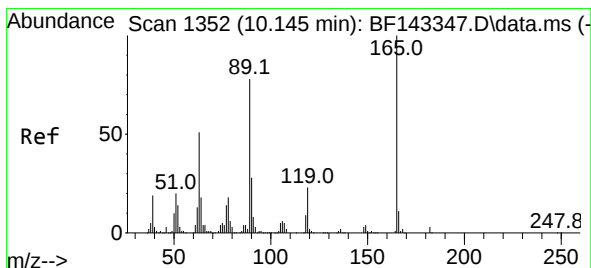
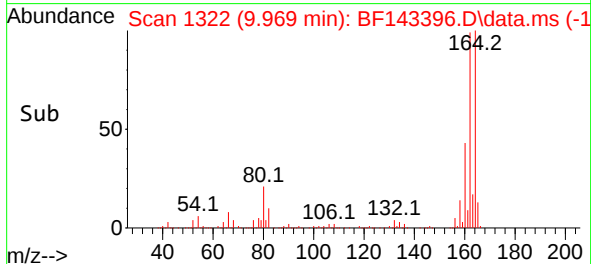
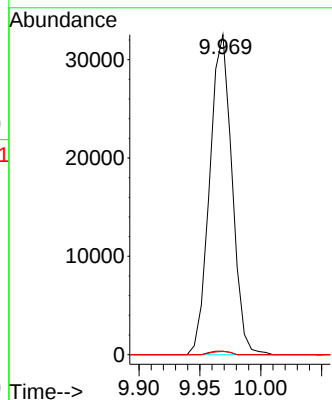
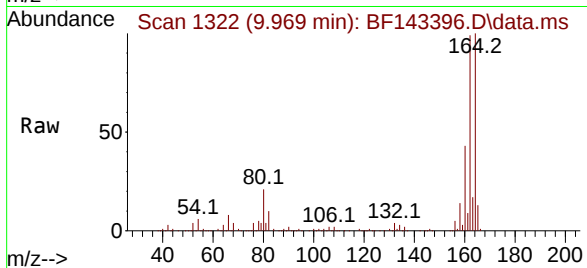
Tgt Ion:165 Resp: 41472

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: 11.295 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Tgt Ion:165 Resp: 41472

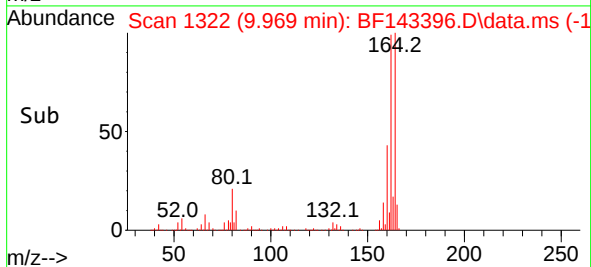
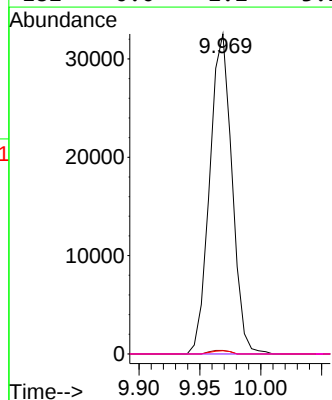
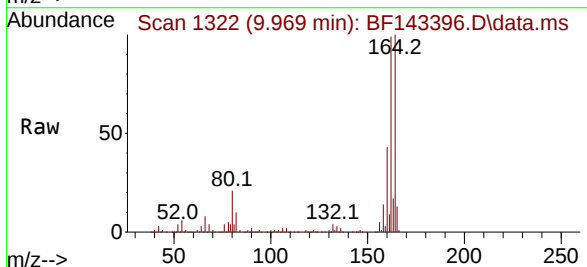
Ion Ratio Lower Upper

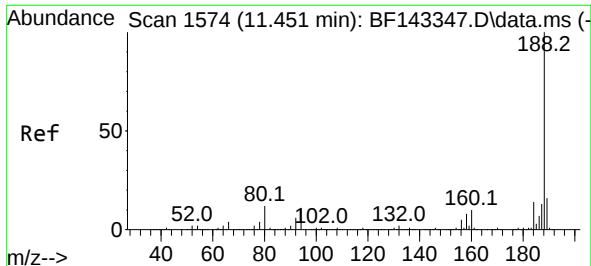
165 100

63 1.1 41.8 62.8#

89 1.0 62.4 93.6#

182 0.0 2.2 3.2#

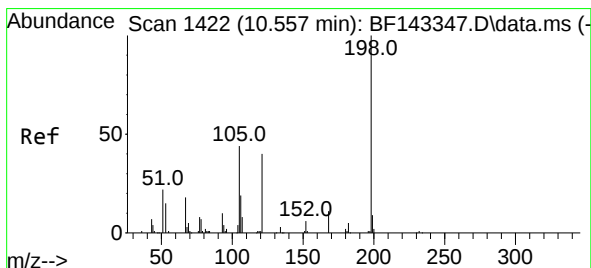
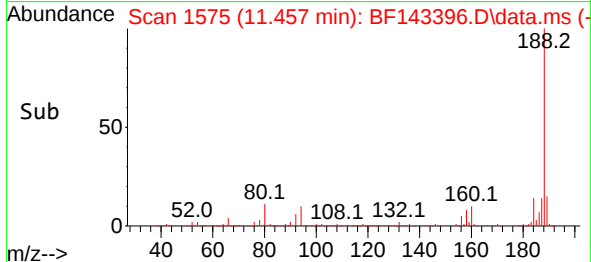
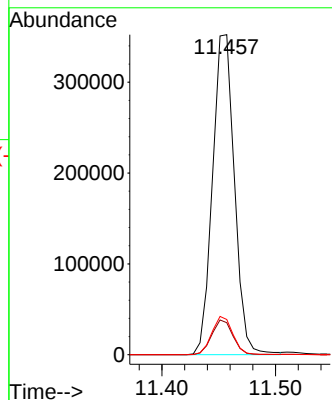
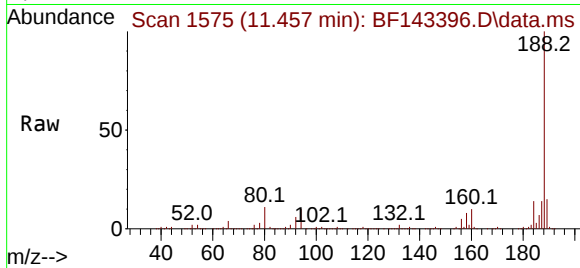




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

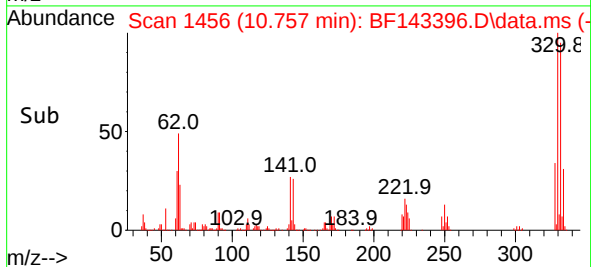
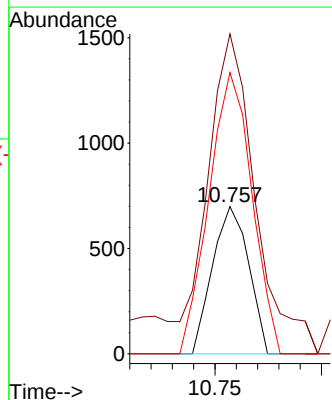
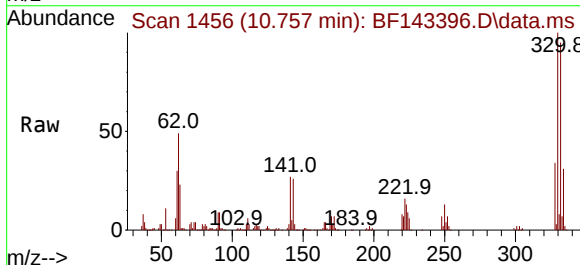
Instrument :
BNA_F
ClientSampleId :
FB

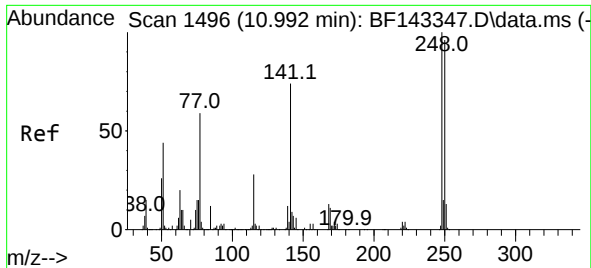
Tgt Ion:188 Resp: 472967
Ion Ratio Lower Upper
188 100
94 10.0 8.8 13.2
80 11.0 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.626 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:198 Resp: 824
Ion Ratio Lower Upper
198 100
51 217.2 41.7 81.7#
105 191.0 26.8 66.8#

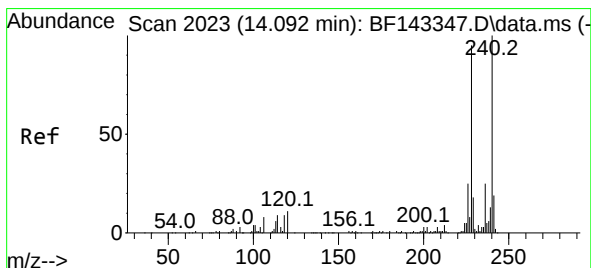
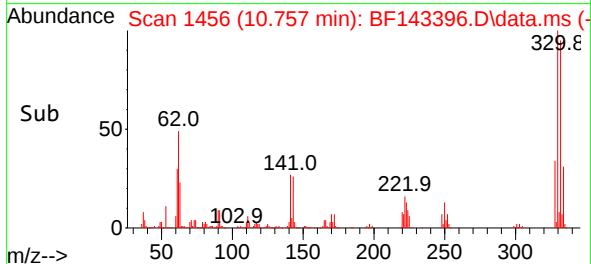
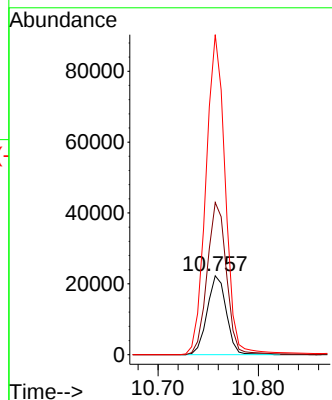
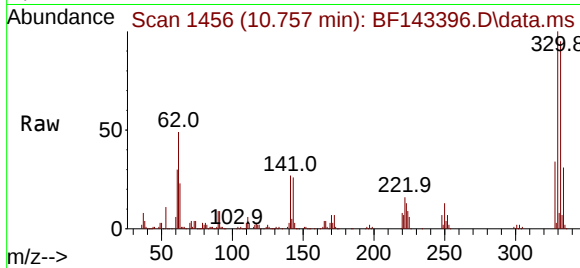




#67
4-Bromophenyl-phenylether
Concen: 5.459 ng
RT: 10.757 min Scan# 1496
Delta R.T. -0.235 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

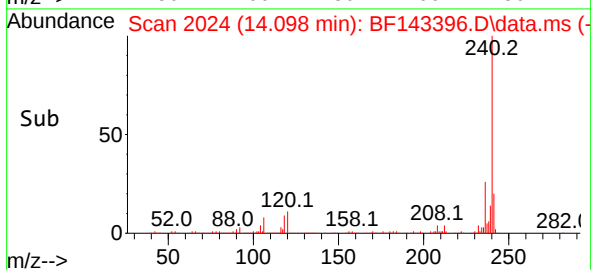
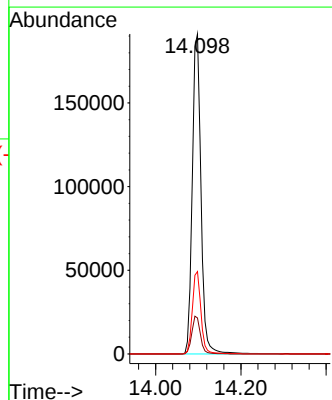
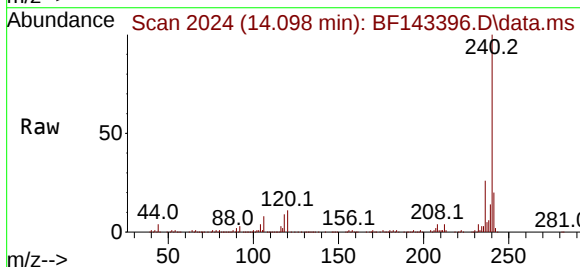
Instrument :
BNA_F
ClientSampleId :
FB

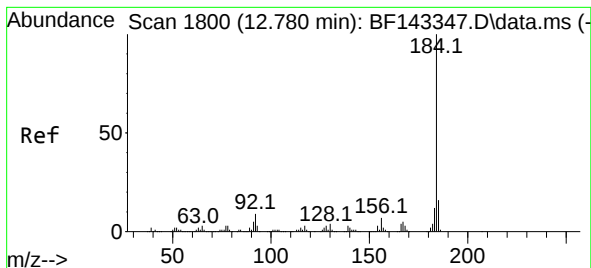
Tgt Ion:	248	Resp:	29527
Ion Ratio	Lower	Upper	
248	100		
250	192.8	77.1	115.7#
141	405.6	59.1	88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:	240	Resp:	271036
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.0	13.6
236	25.7	19.9	29.9





#77

Benzidine

Concen: 2.714 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB

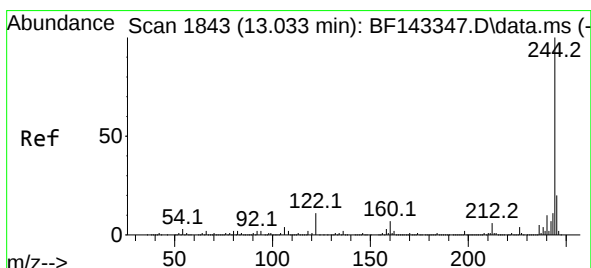
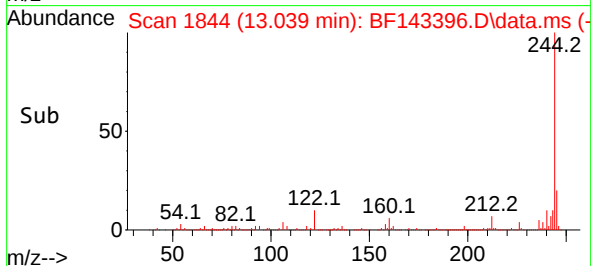
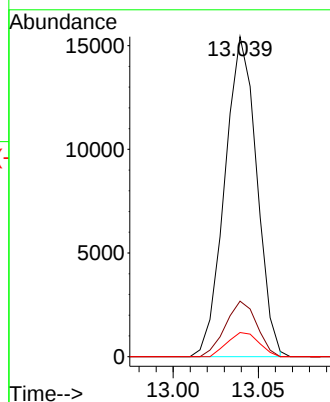
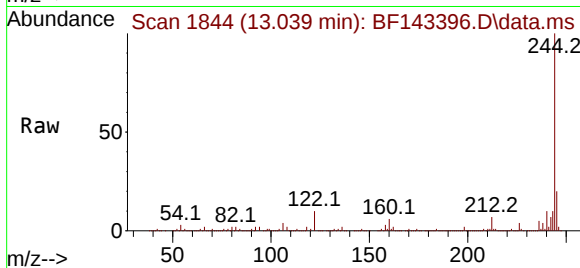
Tgt Ion:184 Resp: 20108

Ion Ratio Lower Upper

184 100

185 17.4 12.8 19.2

183 7.6 9.3 13.9#



#79

Terphenyl-d14

Concen: 114.874 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

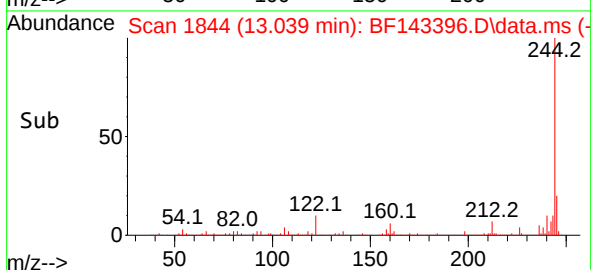
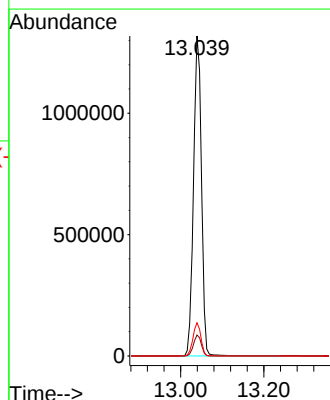
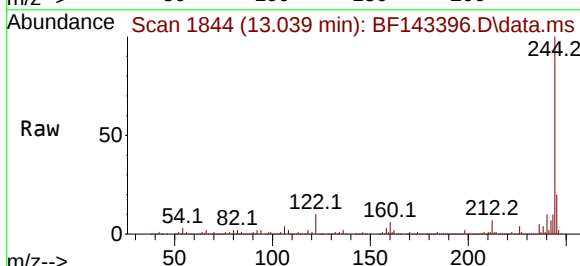
Tgt Ion:244 Resp: 1743923

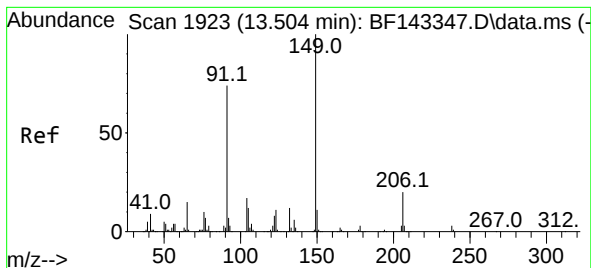
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.4 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.396 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB

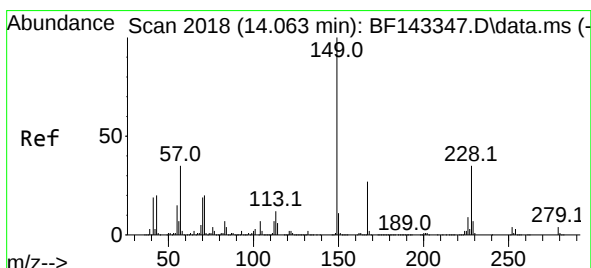
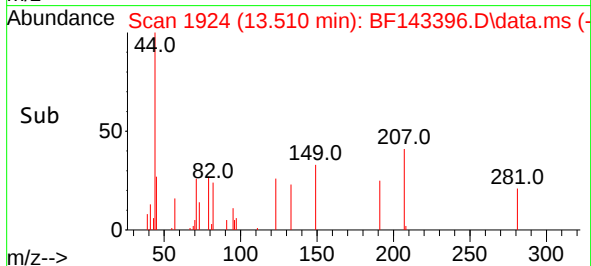
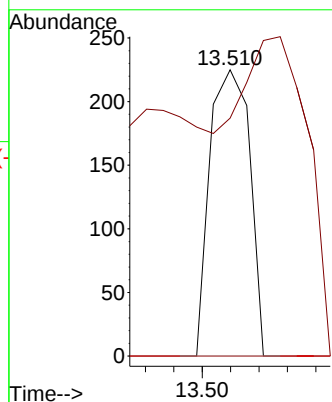
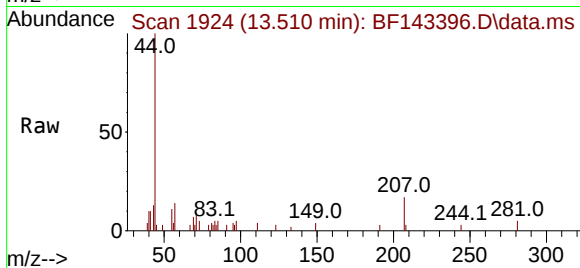
Tgt Ion:149 Resp: 219

Ion Ratio Lower Upper

149 100

91 83.1 58.8 88.2

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.214 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

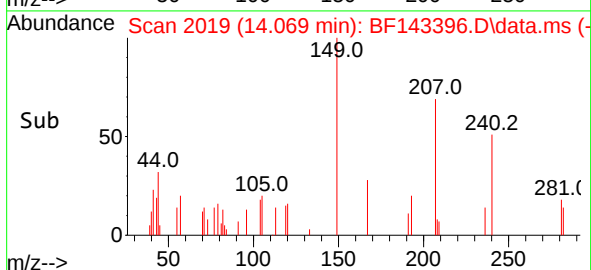
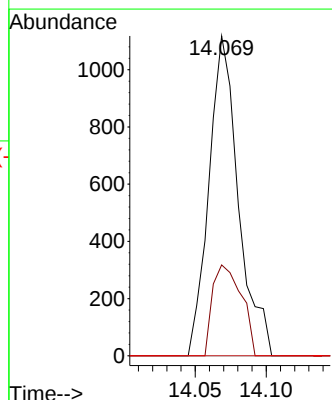
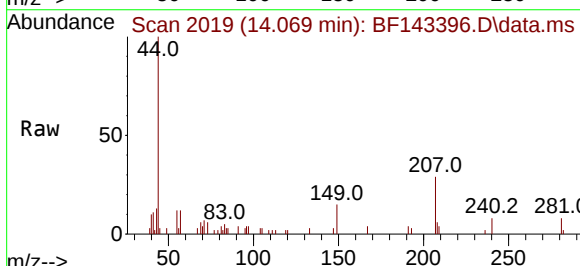
Tgt Ion:149 Resp: 1616

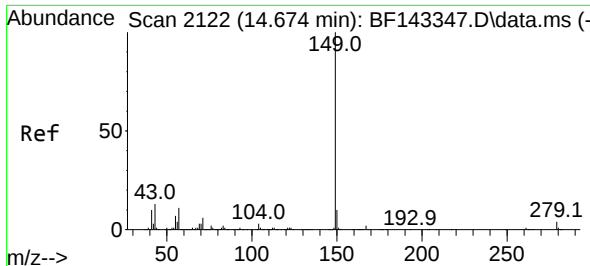
Ion Ratio Lower Upper

149 100

167 28.4 21.4 32.0

279 0.0 3.2 4.8#

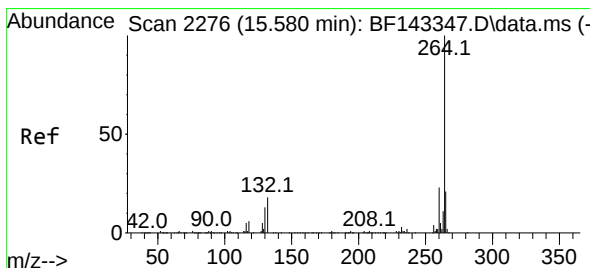
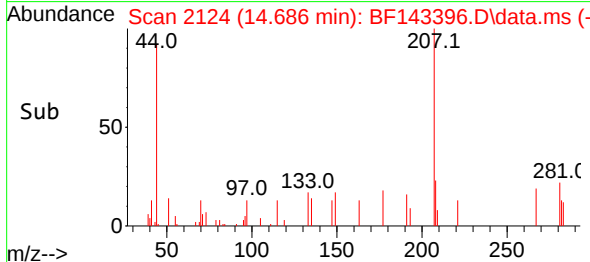
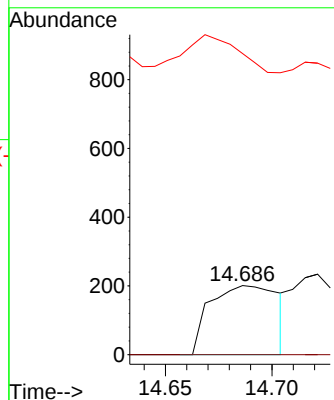
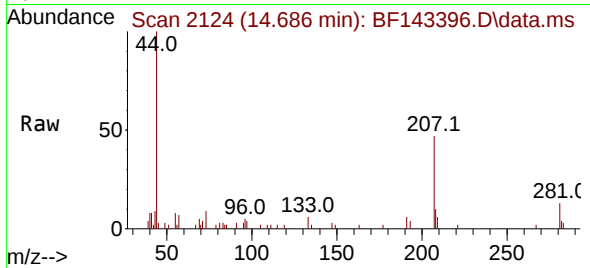




#85
Di-n-octyl phthalate
Concen: 6.054 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Instrument :
BNA_F
ClientSampleId :
FB

Tgt Ion:149 Resp: 446
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 85.0 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: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:264 Resp: 338281
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.6 17.2 25.8

