

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143395.D
 Acq On : 14 Aug 2025 21:56
 Operator : RC/JU
 Sample : Q2814-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-N

Quant Time: Aug 15 01:35:09 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)

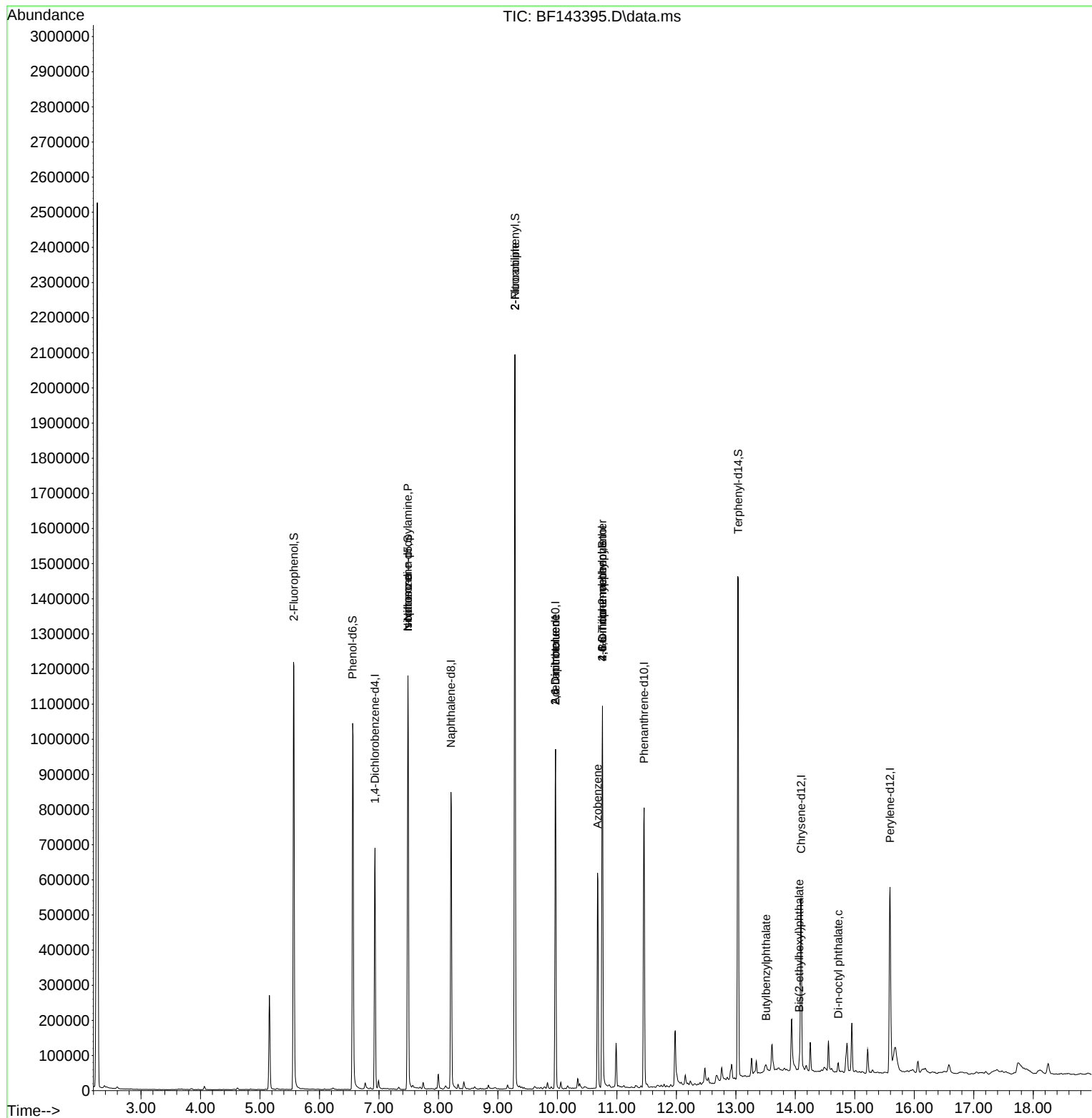
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	143477	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	546907	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	290368	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	417221	20.000	ng	0.00
76) Chrysene-d12	14.098	240	257246	20.000	ng	0.00
86) Perylene-d12	15.592	264	322811	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	465387	56.091	ng	0.00
7) Phenol-d6	6.557	99	492660	46.303	ng	0.00
23) Nitrobenzene-d5	7.487	82	517024	58.871	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	187875	88.534	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	924760	54.006	ng	0.00
79) Terphenyl-d14	13.039	244	726457	50.418	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	68023	10.347	ng	# 80
25) Isophorone	7.487	82	508777	28.378	ng	# 65
48) 2-Nitroaniline	9.287	65	1697	3.109	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	38162	14.115	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	38163	11.409	ng	# 19
63) Azobenzene	10.675	77	157580	9.078	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	360	7.442	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	12226	2.562	ng	# 1
80) Butylbenzylphthalate	13.510	149	609	3.484	ng	# 61
84) Bis(2-ethylhexyl)phtha...	14.069	149	13239	5.925	ng	93
85) Di-n-octyl phthalate	14.722	149	3086	6.241	ng	# 52

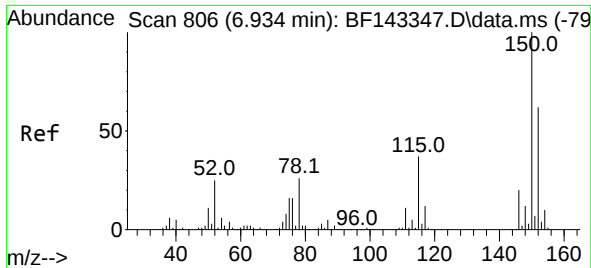
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

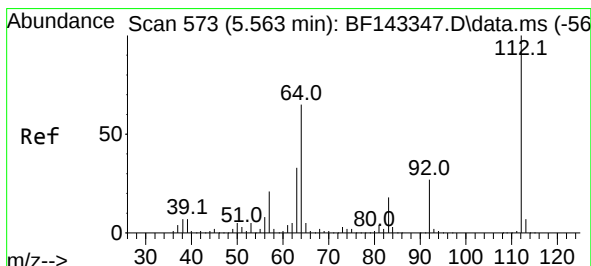
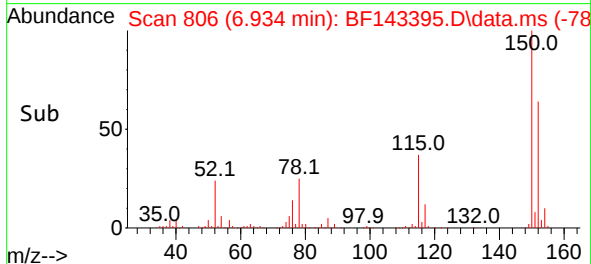
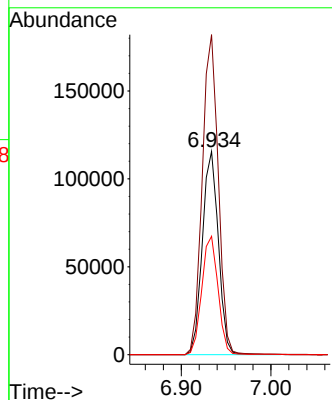
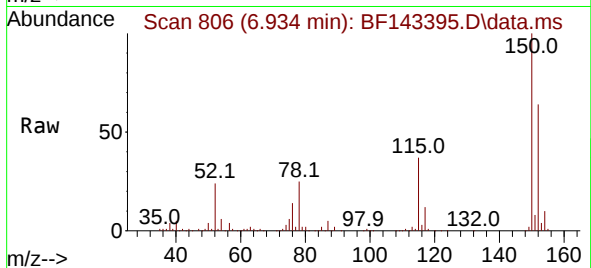




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

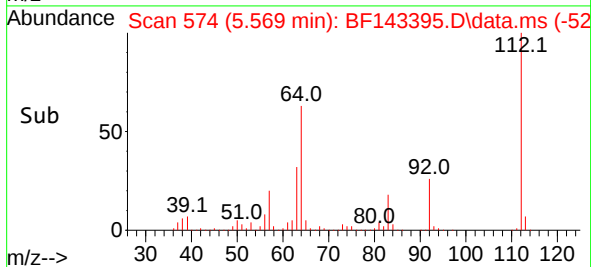
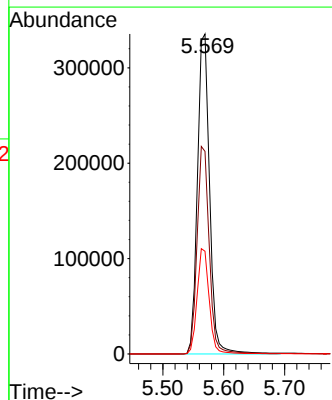
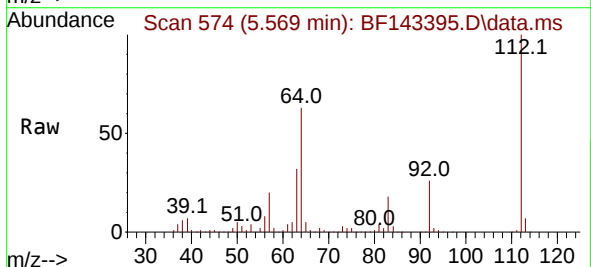
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-N

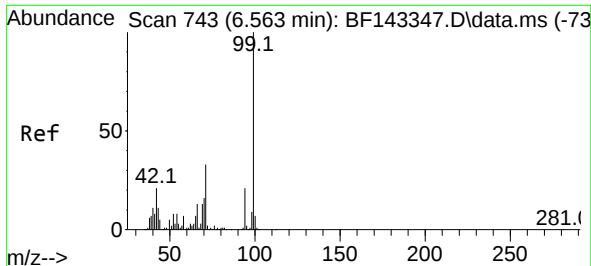
Tgt Ion:152 Resp: 143477
 Ion Ratio Lower Upper
 152 100
 150 157.4 129.8 194.8
 115 58.3 47.8 71.8



#5
 2-Fluorophenol
 Concen: 56.091 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

Tgt Ion:112 Resp: 465387
 Ion Ratio Lower Upper
 112 100
 64 63.3 52.1 78.1
 63 32.1 26.6 39.8

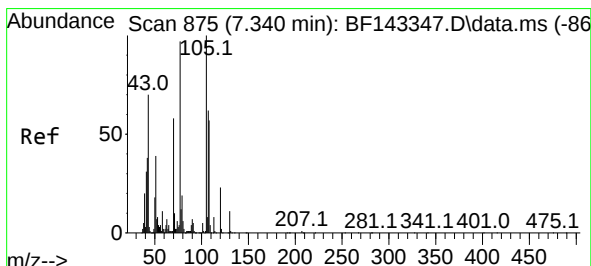
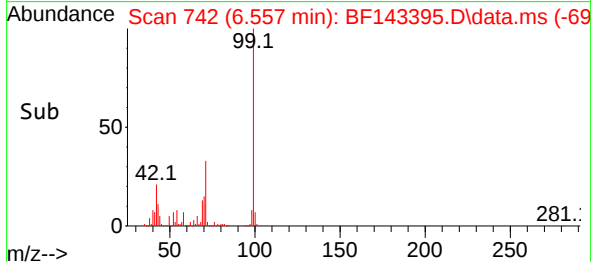
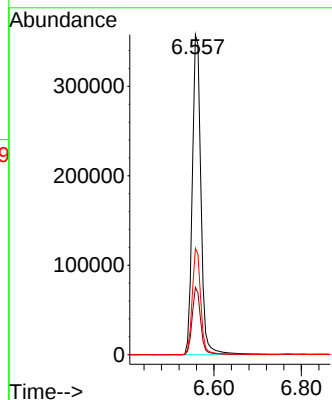
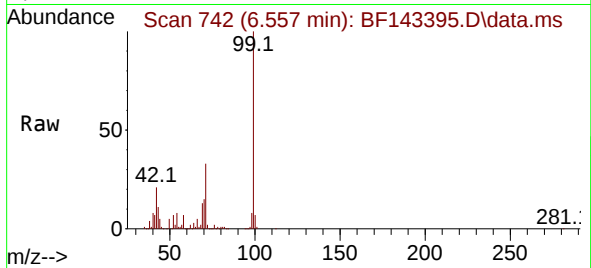




#7
Phenol-d6
Concen: 46.303 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

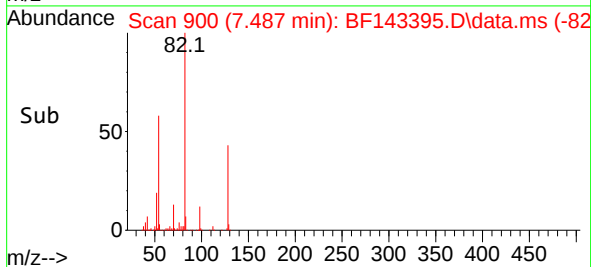
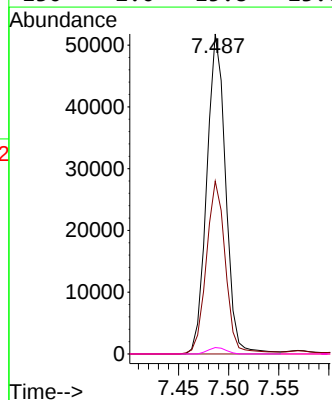
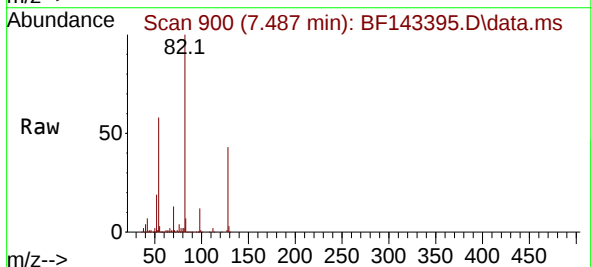
Instrument :
BNA_F
ClientSampleId :
TW-518R-N

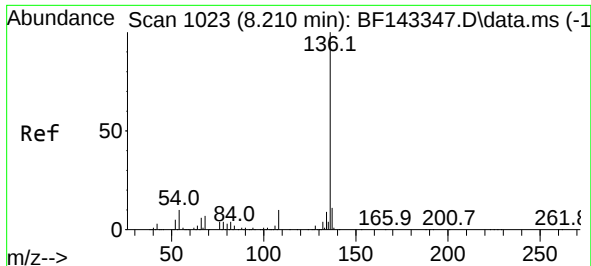
Tgt Ion: 99 Resp: 492660
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 33.3 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.347 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

Tgt Ion: 70 Resp: 68023
Ion Ratio Lower Upper
70 100
42 54.0 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#

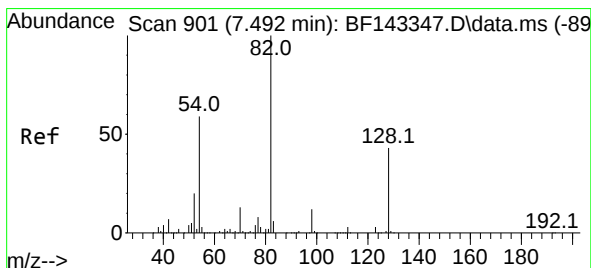
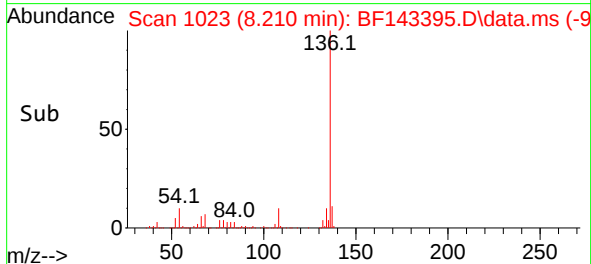
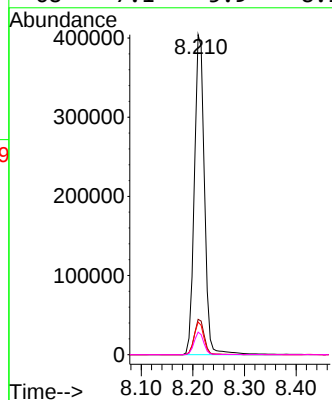
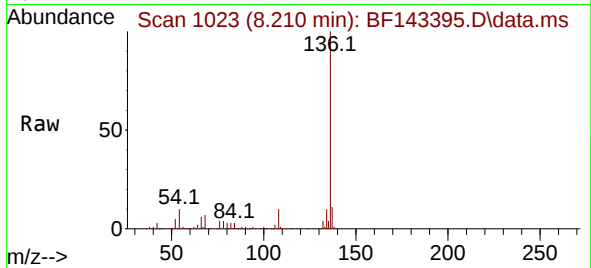




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

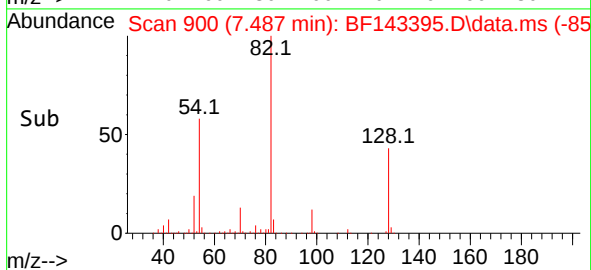
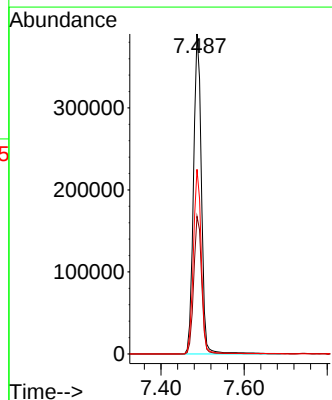
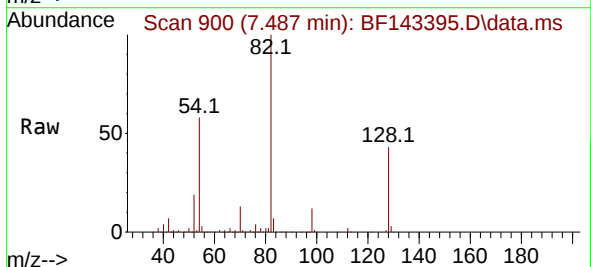
Instrument :
BNA_F
ClientSampleId :
TW-518R-N

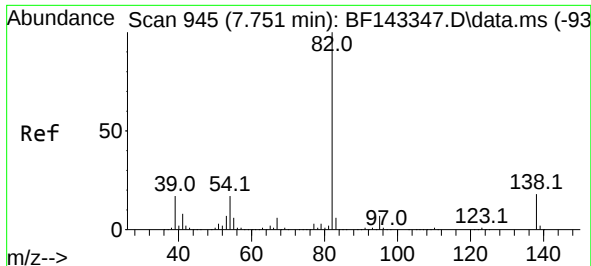
Tgt Ion:	136	Resp:	546907
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.4	12.6
68	7.1	5.9	8.9



#23
Nitrobenzene-d5
Concen: 58.871 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

Tgt Ion:	82	Resp:	517024
Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.5	50.3
54	57.7	46.7	70.1

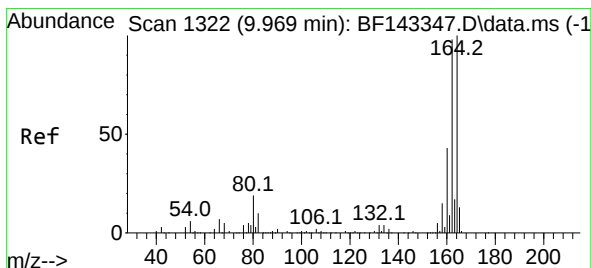
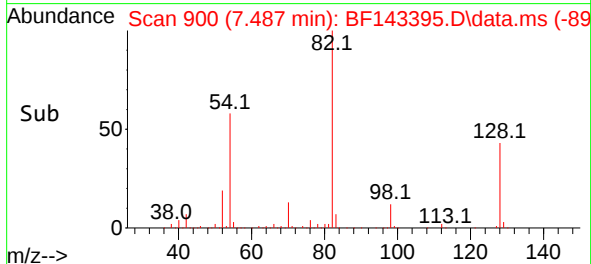
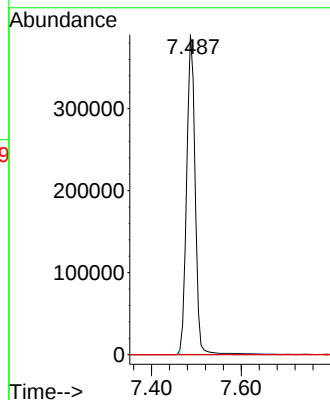
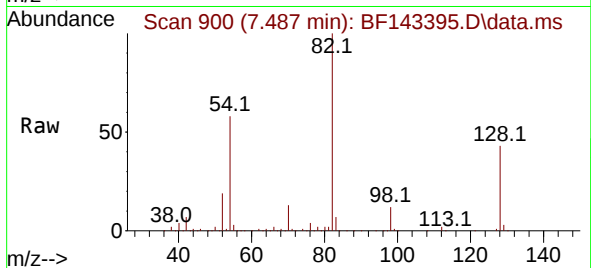




#25
Isophorone
Concen: 28.378 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

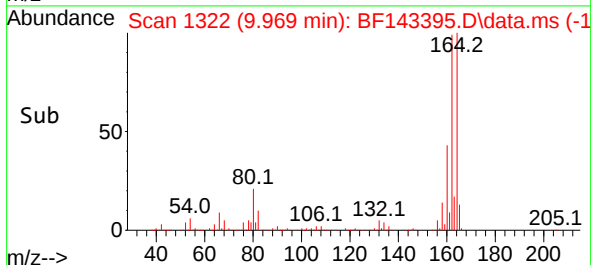
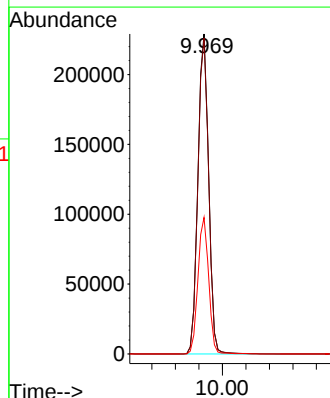
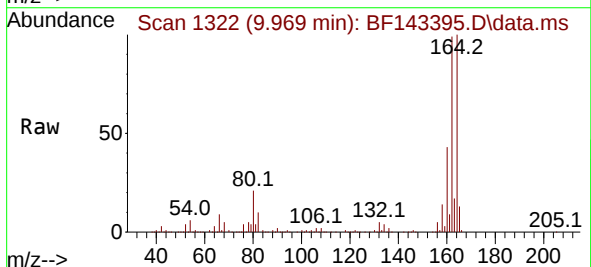
Instrument :
BNA_F
ClientSampleId :
TW-518R-N

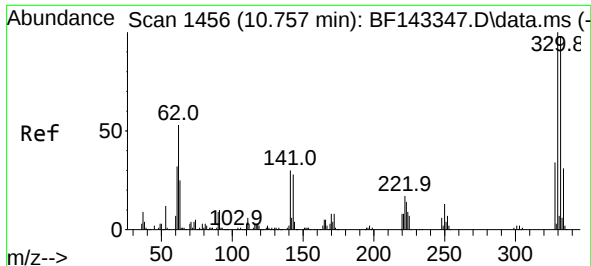
Tgt Ion: 82 Resp: 508777
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

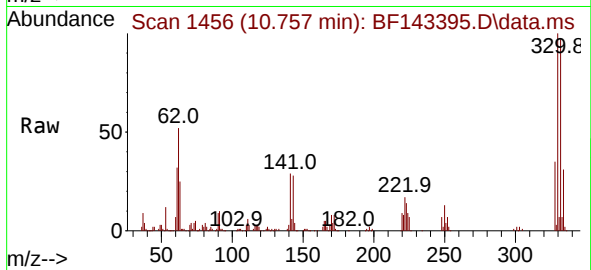
Tgt Ion:164 Resp: 290368
Ion Ratio Lower Upper
164 100
162 98.8 78.6 118.0
160 42.7 34.4 51.6



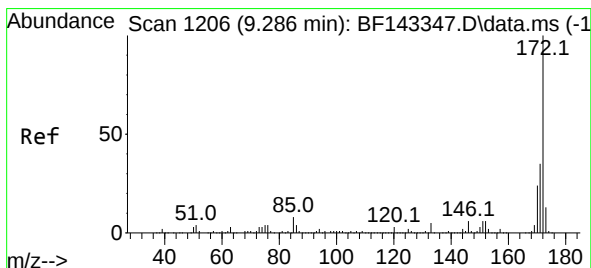
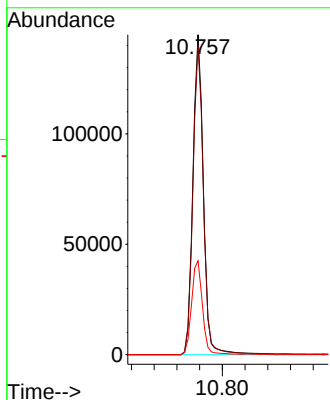
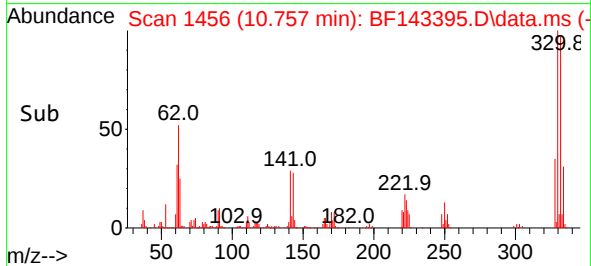


#42
2,4,6-Tribromophenol
Concen: 88.534 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

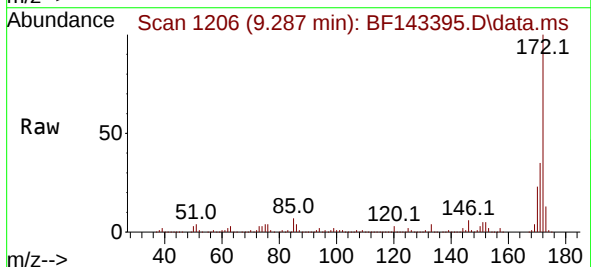
Instrument :
BNA_F
ClientSampleId :
TW-518R-N



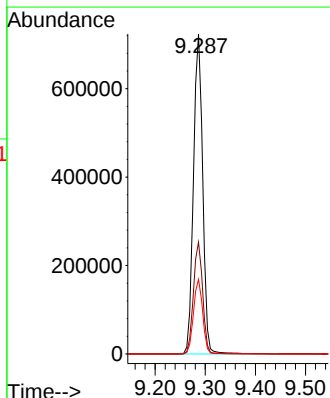
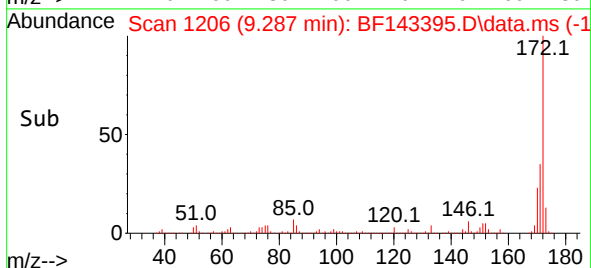
Tgt Ion:330 Resp: 187875
Ion Ratio Lower Upper
330 100
332 96.5 78.1 117.1
141 30.1 25.4 38.0

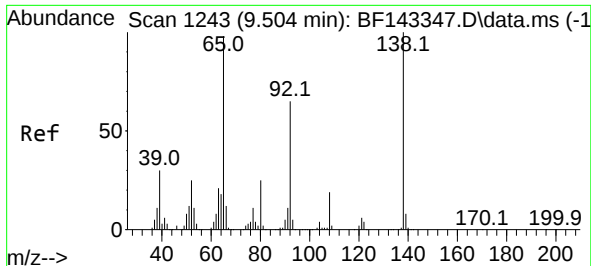


#45
2-Fluorobiphenyl
Concen: 54.006 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56



Tgt Ion:172 Resp: 924760
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.3 19.1 28.7





#48

2-Nitroaniline

Concen: 3.109 ng

RT: 9.287 min Scan# 1

Delta R.T. -0.217 min

Lab File: BF143395.D

Acq: 14 Aug 2025 21:56

Instrument :

BNA_F

ClientSampleId :

TW-518R-N

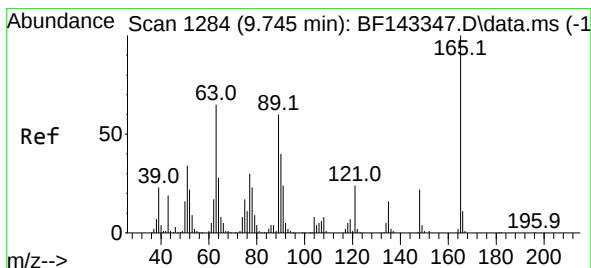
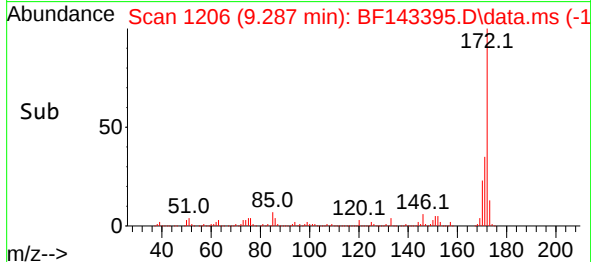
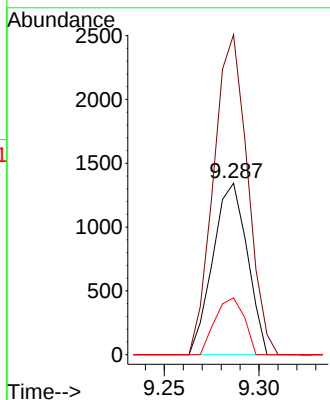
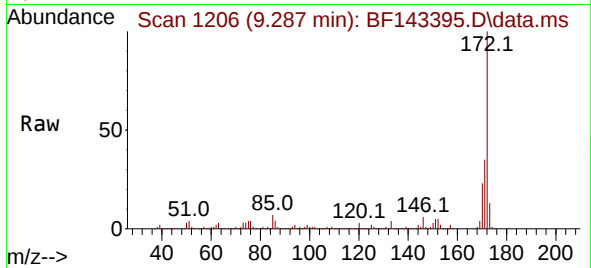
Tgt Ion: 65 Resp: 1697

Ion Ratio Lower Upper

65 100

92 186.5 53.1 79.7#

138 33.2 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 14.115 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.224 min

Lab File: BF143395.D

Acq: 14 Aug 2025 21:56

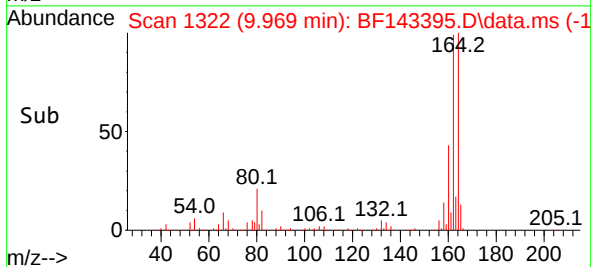
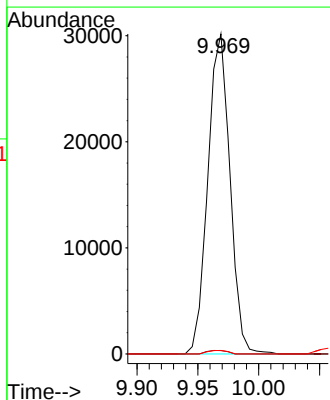
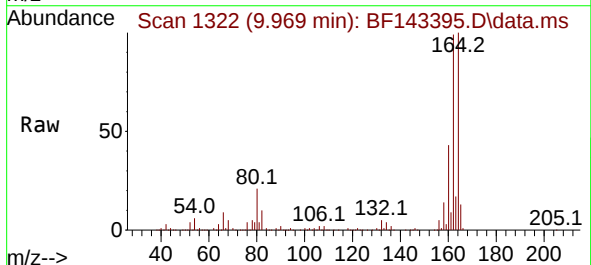
Tgt Ion:165 Resp: 38162

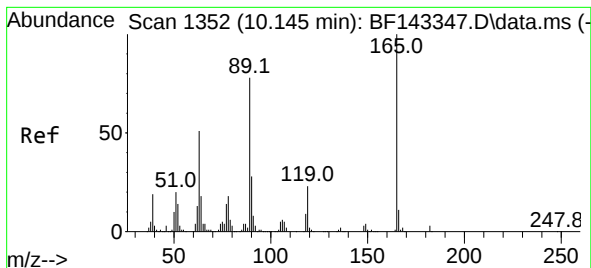
Ion Ratio Lower Upper

165 100

63 1.1 51.6 77.4#

89 1.1 47.7 71.5#

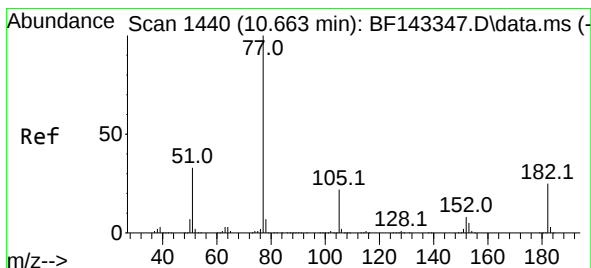
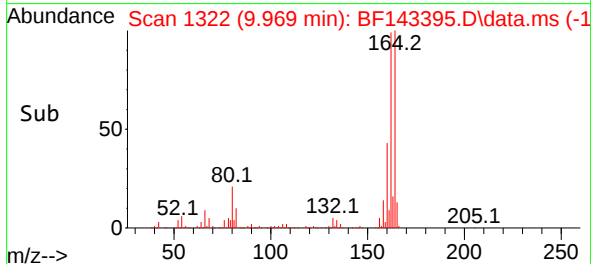
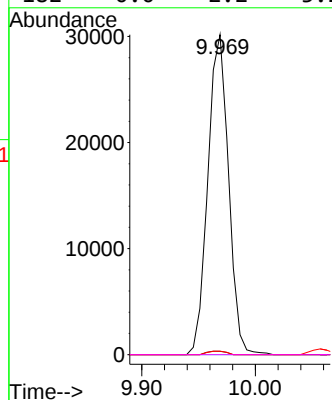
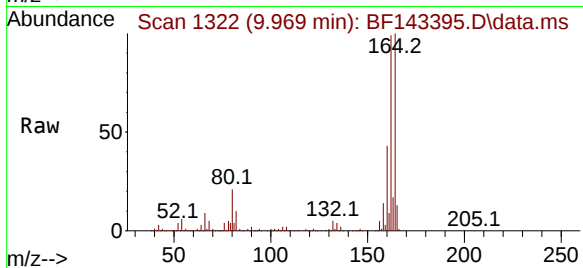




#57
2,4-Dinitrotoluene
Concen: 11.409 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

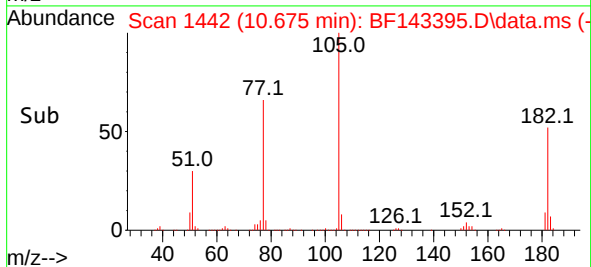
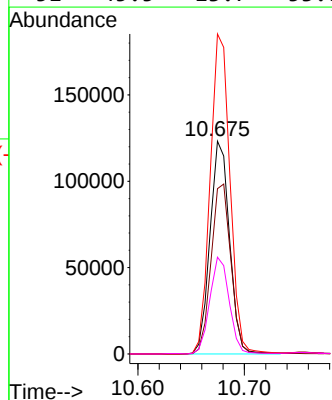
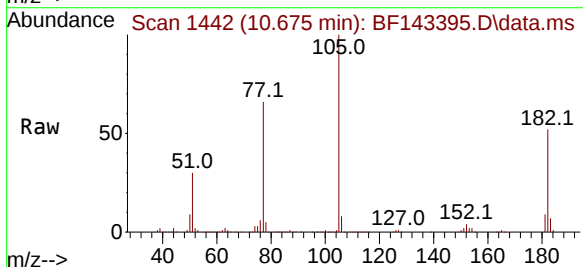
Instrument :
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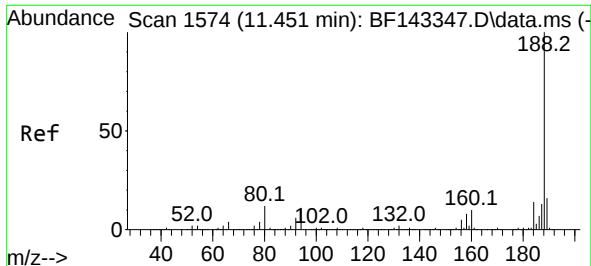
Tgt Ion:165 Resp: 38163
Ion Ratio Lower Upper
165 100
63 1.1 41.8 62.8#
89 1.1 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 9.078 ng
RT: 10.675 min Scan# 1442
Delta R.T. 0.012 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

Tgt Ion: 77 Resp: 157580
Ion Ratio Lower Upper
77 100
182 77.7 4.4 44.4#
105 150.4 1.8 41.8#
51 45.5 13.7 53.7

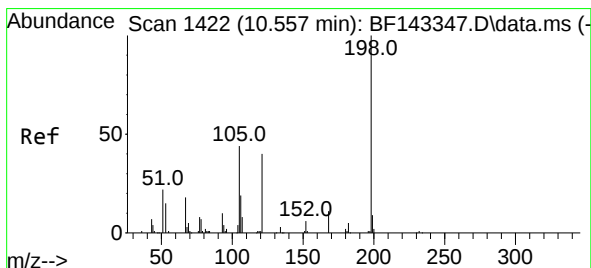
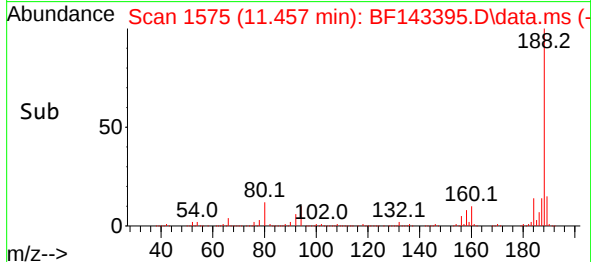
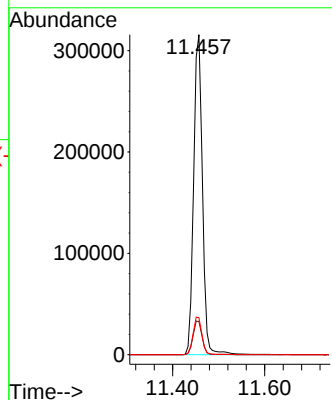
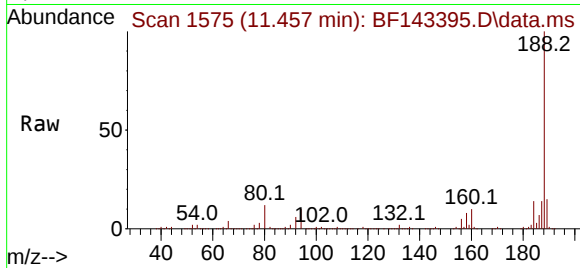




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

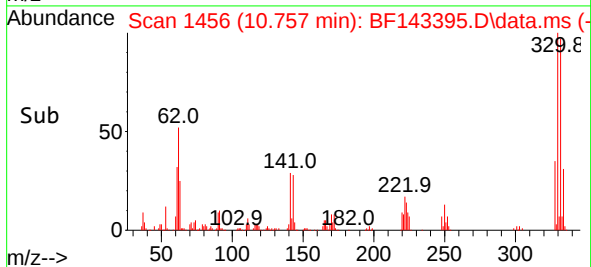
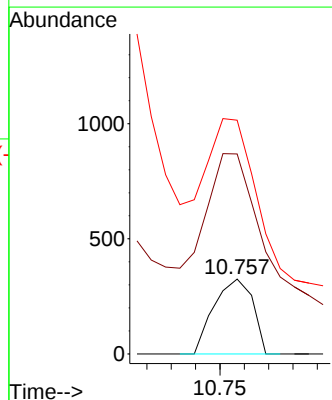
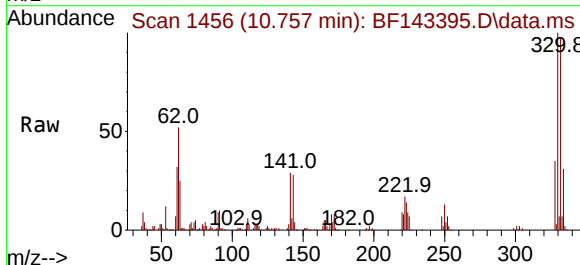
Instrument :
BNA_F
ClientSampleId :
TW-518R-N

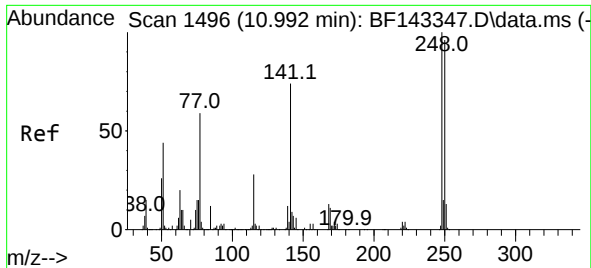
Tgt Ion:188 Resp: 417221
Ion Ratio Lower Upper
188 100
94 10.4 8.8 13.2
80 11.6 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.442 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

Tgt Ion:198 Resp: 360
Ion Ratio Lower Upper
198 100
51 267.4 41.7 81.7#
105 312.3 26.8 66.8#

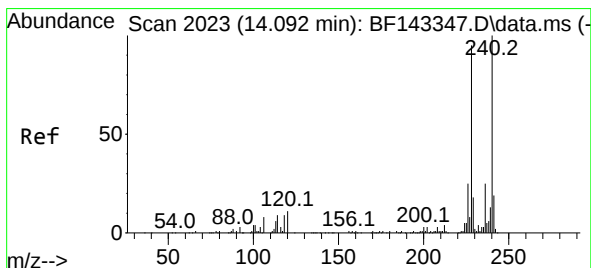
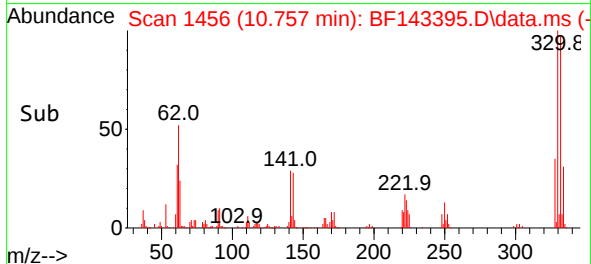
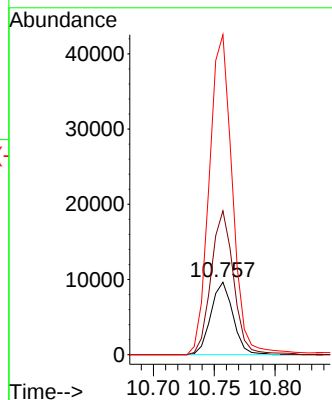
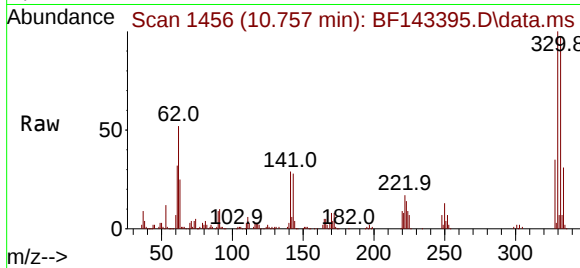




#67
4-Bromophenyl-phenylether
Concen: 2.562 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

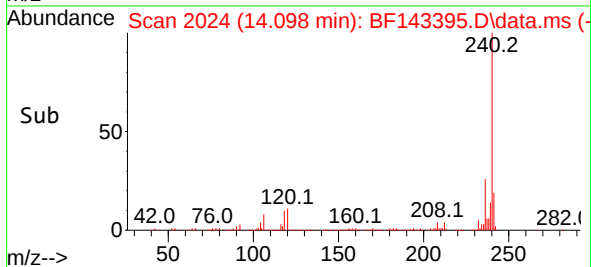
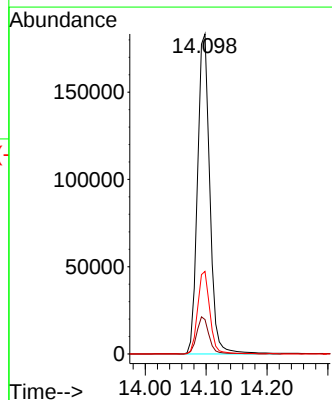
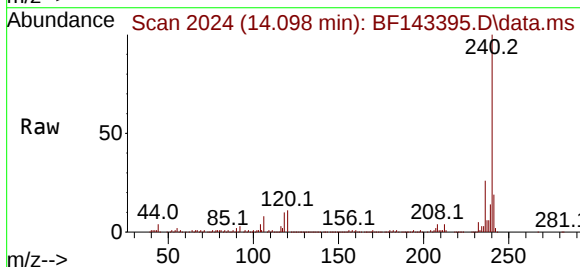
Instrument :
BNA_F
ClientSampleId :
TW-518R-N

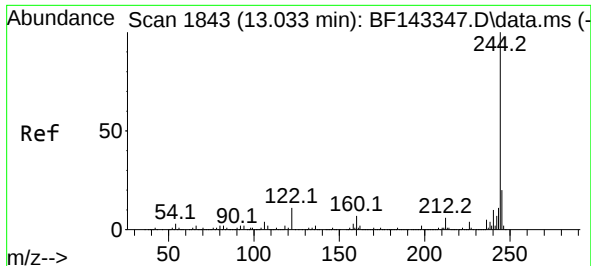
Tgt Ion:248 Resp: 12226
Ion Ratio Lower Upper
248 100
250 198.4 77.1 115.7#
141 441.3 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143395.D
Acq: 14 Aug 2025 21:56

Tgt Ion:240 Resp: 257246
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.8 19.9 29.9

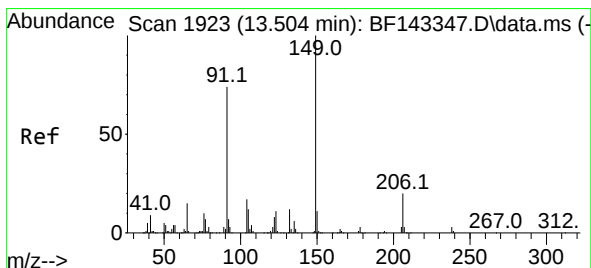
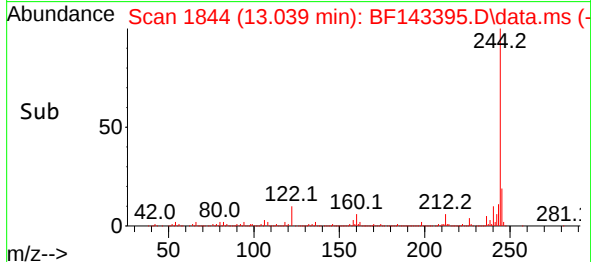
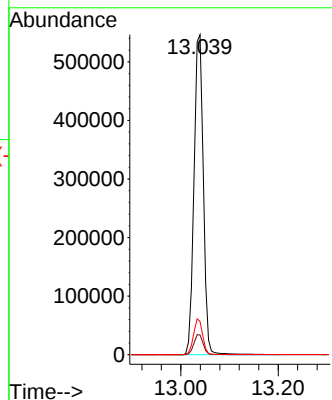
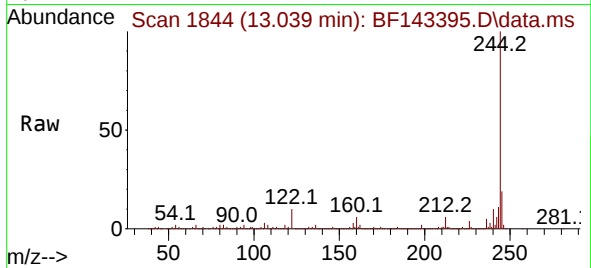




#79
 Terphenyl-d14
 Concen: 50.418 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

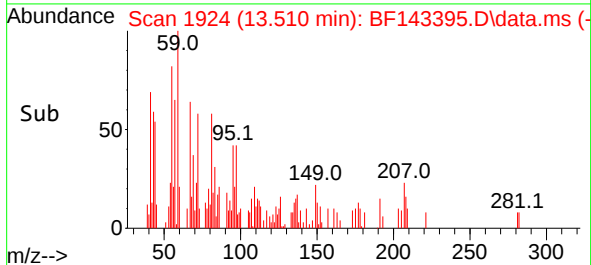
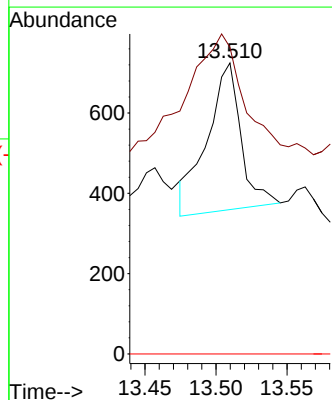
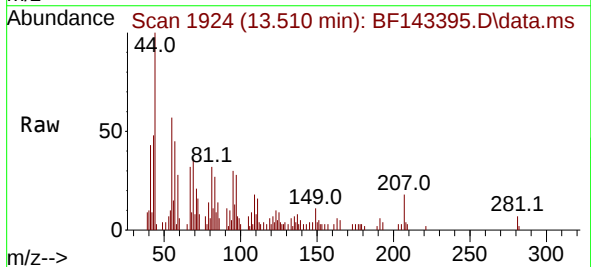
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-N

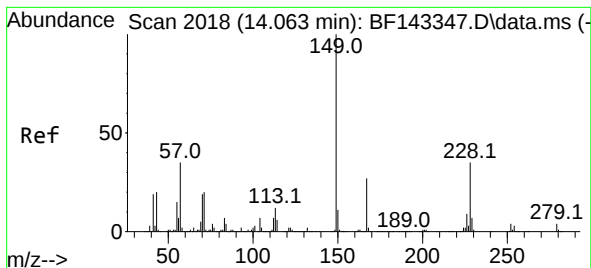
Tgt Ion:244 Resp: 726457
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.4 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.484 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

Tgt Ion:149 Resp: 609
 Ion Ratio Lower Upper
 149 100
 91 105.4 58.8 88.2#
 206 0.0 16.4 24.6#

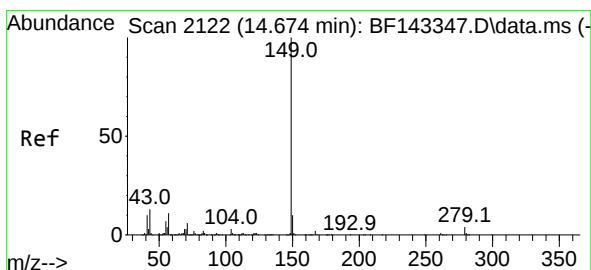
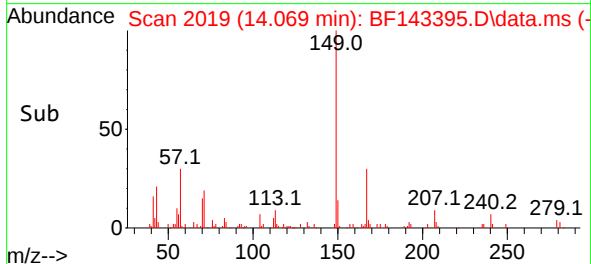
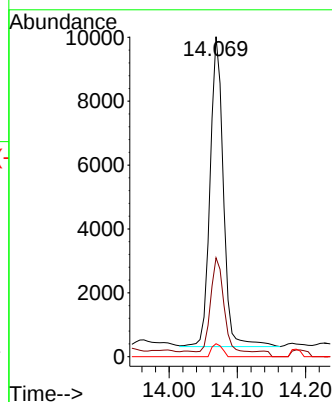
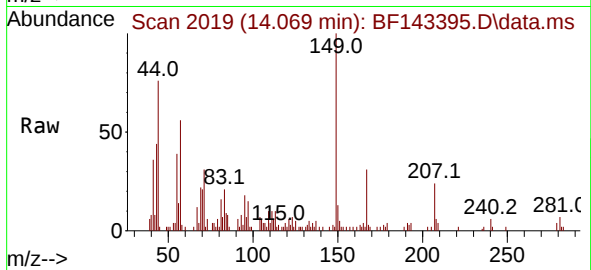




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.925 ng
 RT: 14.069 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

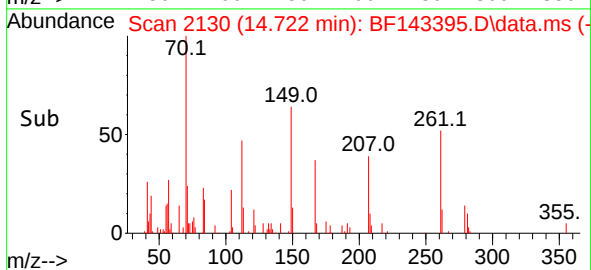
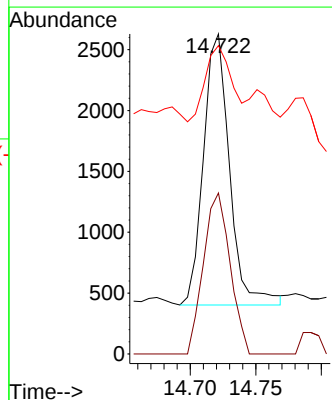
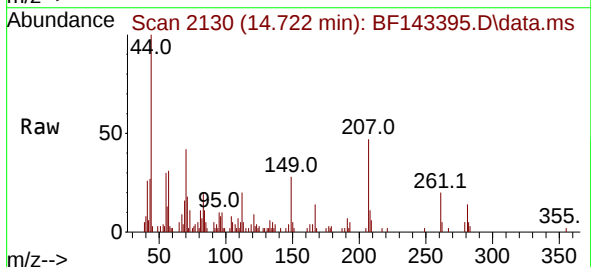
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-N

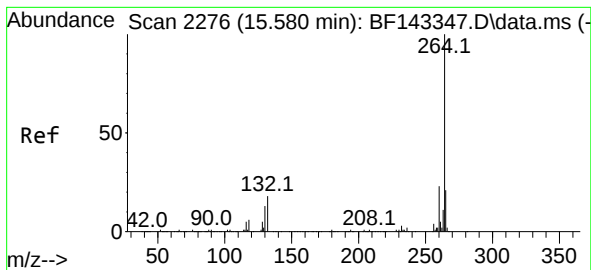
Tgt Ion:149 Resp: 13239
 Ion Ratio Lower Upper
 149 100
 167 30.9 21.4 32.0
 279 4.1 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 6.241 ng
 RT: 14.722 min Scan# 2130
 Delta R.T. 0.048 min
 Lab File: BF143395.D
 Acq: 14 Aug 2025 21:56

Tgt Ion:149 Resp: 3086
 Ion Ratio Lower Upper
 149 100
 167 60.3 1.3 1.9#
 43 27.8 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: BF143395.D

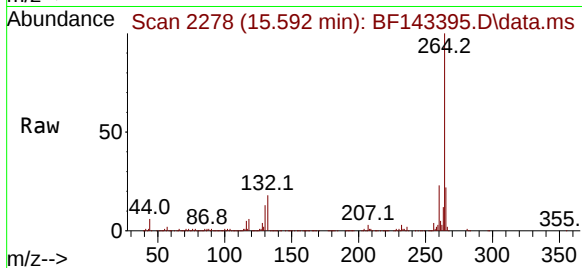
Acq: 14 Aug 2025 21:56

Instrument :

BNA_F

ClientSampleId :

TW-518R-N



Tgt Ion:264 Resp: 322811

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 22.0 17.2 25.8

