

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143394.D
 Acq On : 14 Aug 2025 21:26
 Operator : RC/JU
 Sample : Q2814-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-S

Quant Time: Aug 15 01:34:59 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

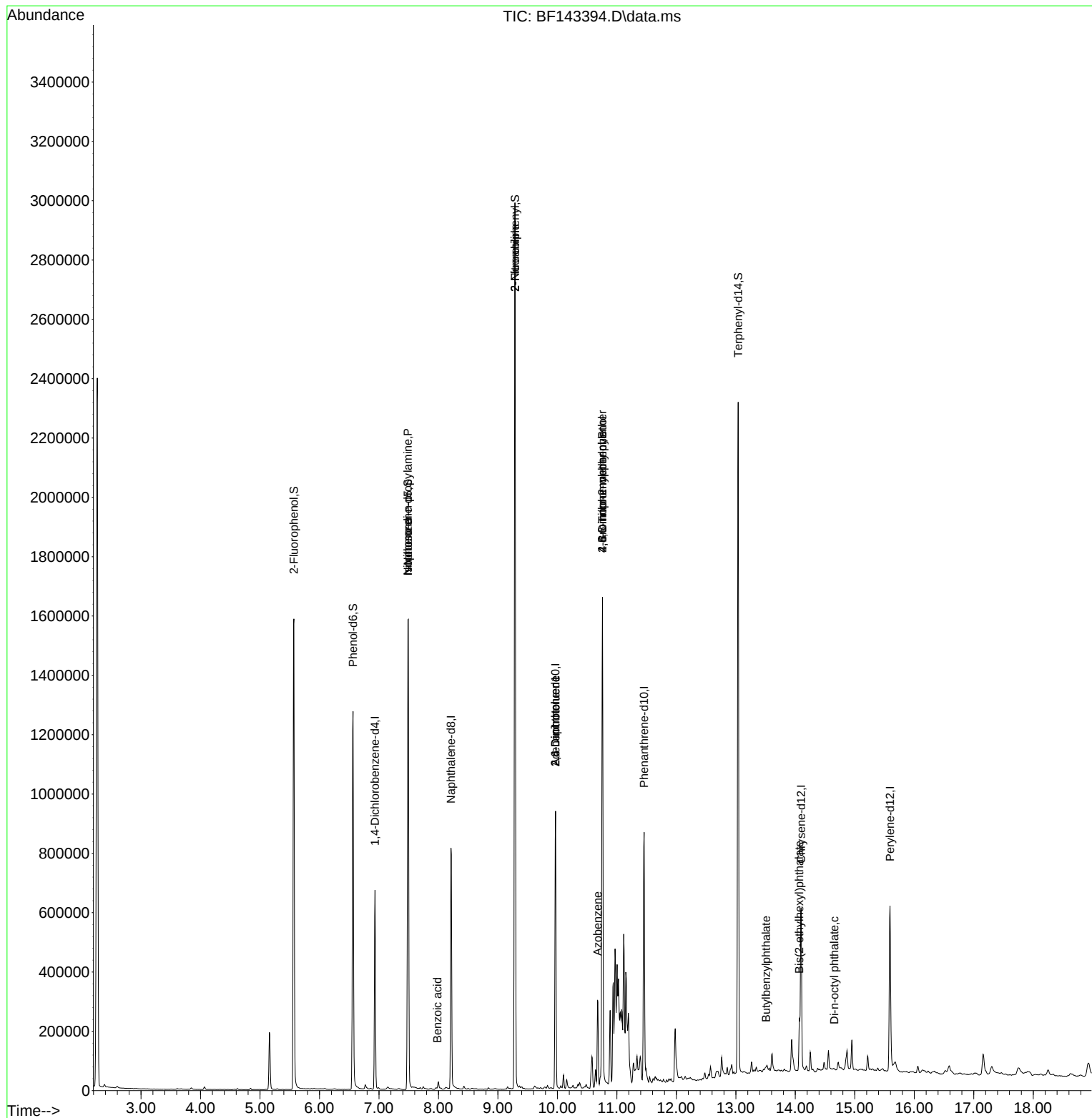
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	139164	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	534131	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	277701	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	414456	20.000	ng	0.00
76) Chrysene-d12	14.098	240	285325	20.000	ng	0.00
86) Perylene-d12	15.592	264	341489	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	598957	74.427	ng	0.00
7) Phenol-d6	6.563	99	597625	57.909	ng	0.00
23) Nitrobenzene-d5	7.487	82	741391	86.438	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	288111	141.962	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1322179	80.738	ng	0.00
79) Terphenyl-d14	13.039	244	1115651	69.809	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.487	70	100846	15.815	ng	# 80
25) Isophorone	7.487	82	727413	41.543	ng	# 65
32) Benzoic acid	7.981	122	165	3.521	ng	92
48) 2-Nitroaniline	9.286	65	2311	3.254	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	35611	13.844	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	35611	11.205	ng	# 20
63) Azobenzene	10.675	77	77283	4.655	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	453	7.490	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	18139	3.827	ng	# 1
80) Butylbenzylphthalate	13.510	149	668	3.482	ng	# 61
84) Bis(2-ethylhexyl)phtha...	14.069	149	66602	12.767	ng	99
85) Di-n-octyl phthalate	14.657	149	1020	6.089	ng	# 28

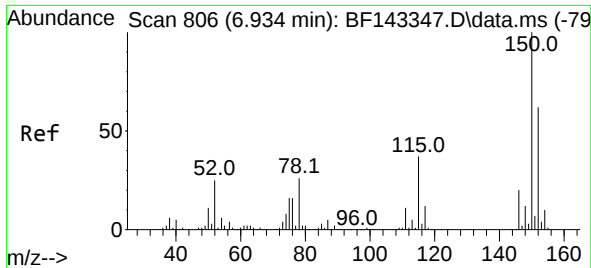
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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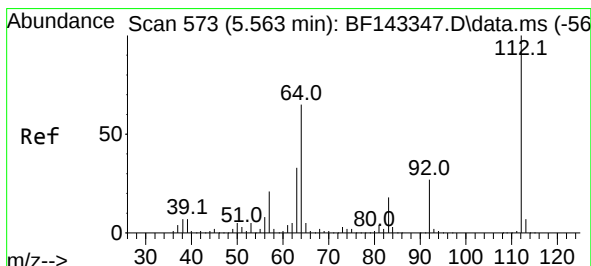
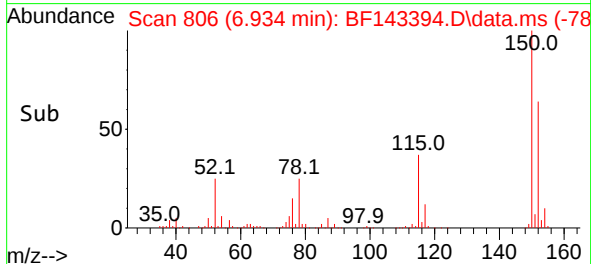
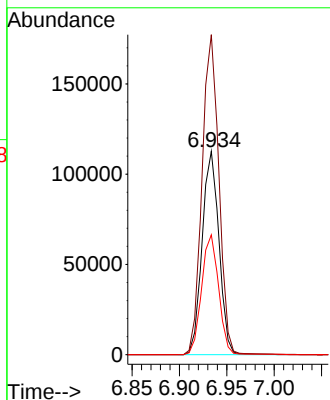
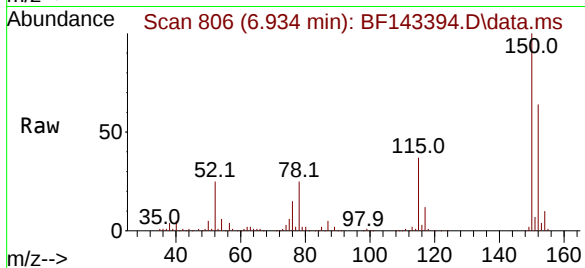




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143394.D
 Acq: 14 Aug 2025 21:26

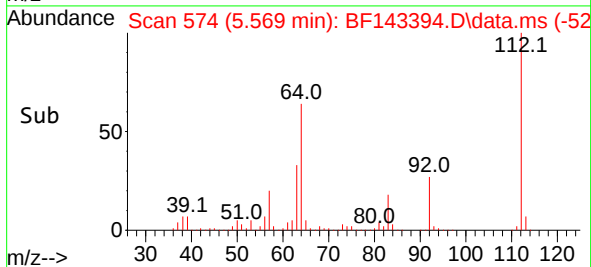
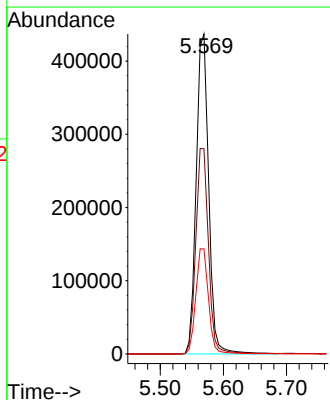
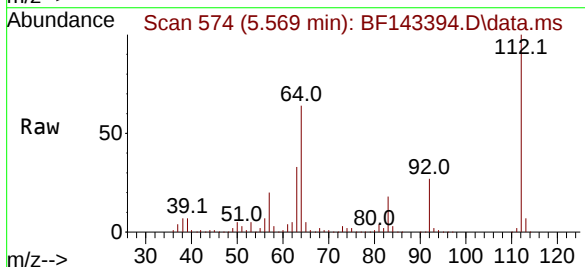
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-S

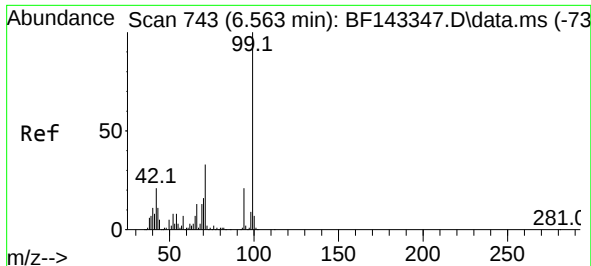
Tgt Ion:152 Resp: 139164
 Ion Ratio Lower Upper
 152 100
 150 157.4 129.8 194.8
 115 59.0 47.8 71.8



#5
 2-Fluorophenol
 Concen: 74.427 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143394.D
 Acq: 14 Aug 2025 21:26

Tgt Ion:112 Resp: 598957
 Ion Ratio Lower Upper
 112 100
 64 64.1 52.1 78.1
 63 32.8 26.6 39.8

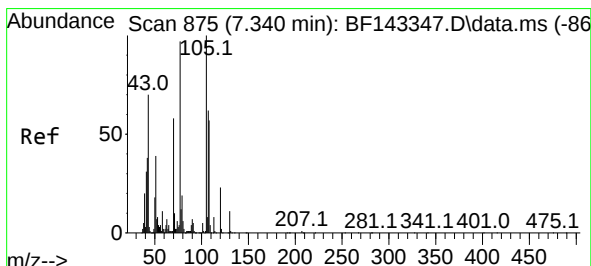
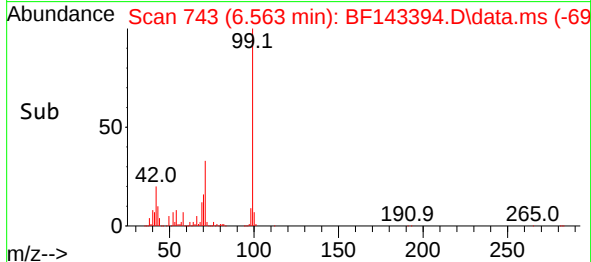
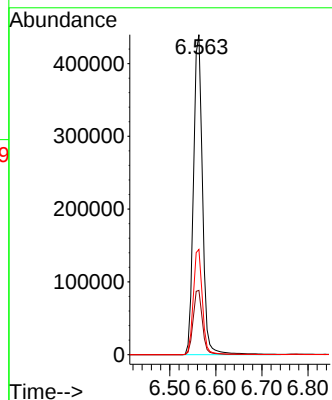
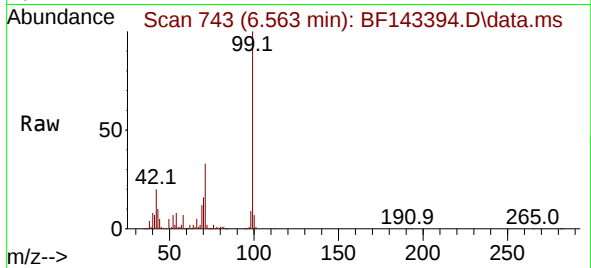




#7
Phenol-d6
Concen: 57.909 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

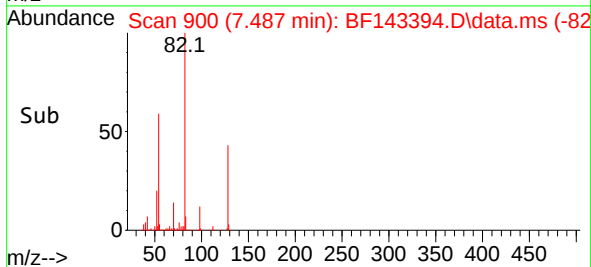
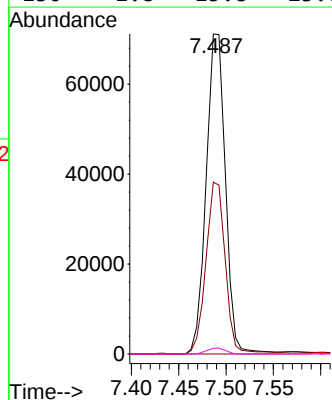
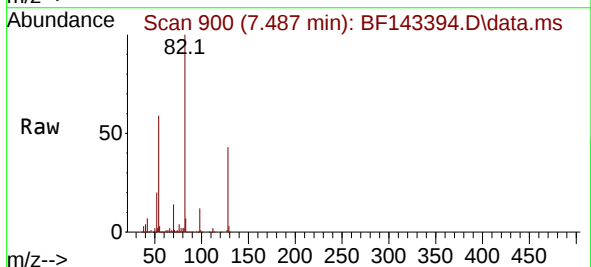
Instrument :
BNA_F
ClientSampleId :
TW-518R-S

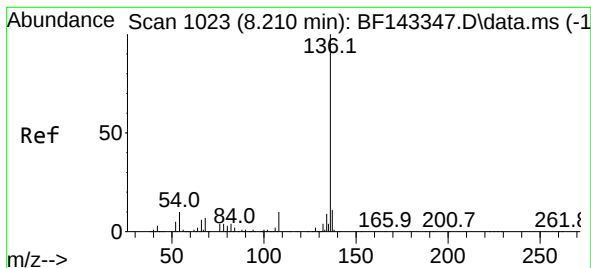
Tgt Ion: 99 Resp: 597625
Ion Ratio Lower Upper
99 100
42 20.1 16.6 25.0
71 32.9 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.815 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

Tgt Ion: 70 Resp: 100846
Ion Ratio Lower Upper
70 100
42 53.7 51.6 77.4
101 0.0 7.5 11.3#
130 1.8 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

Instrument :

BNA_F

ClientSampleId :

TW-518R-S

Tgt Ion:136 Resp: 534131

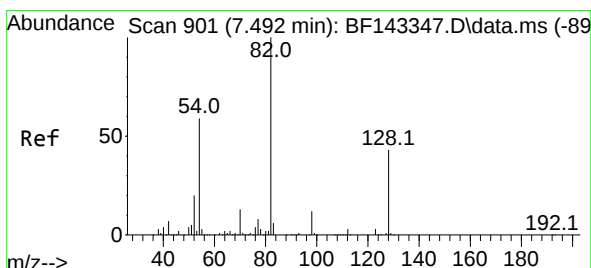
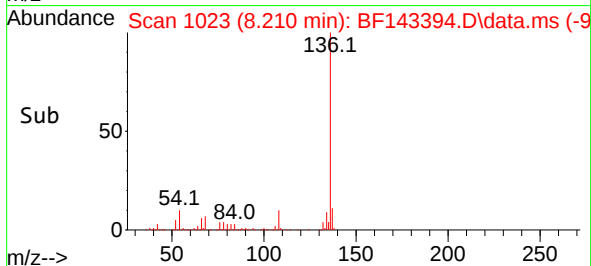
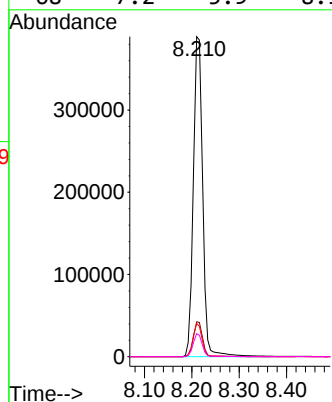
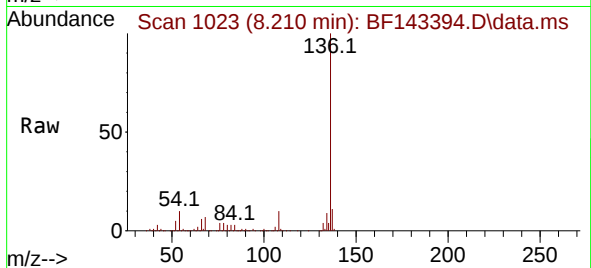
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.4 8.4 12.6

68 7.2 5.9 8.9



#23

Nitrobenzene-d5

Concen: 86.438 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

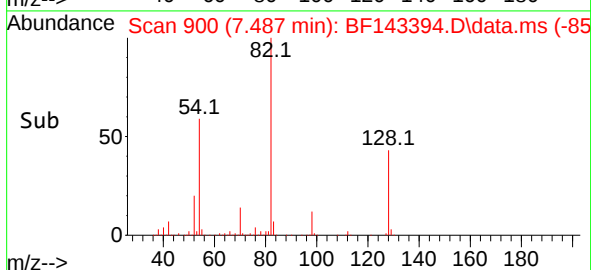
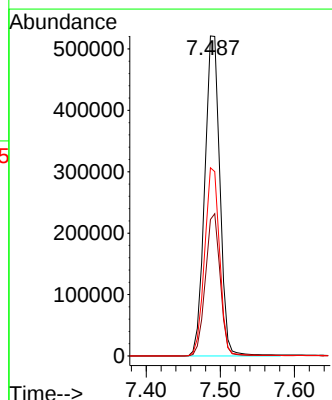
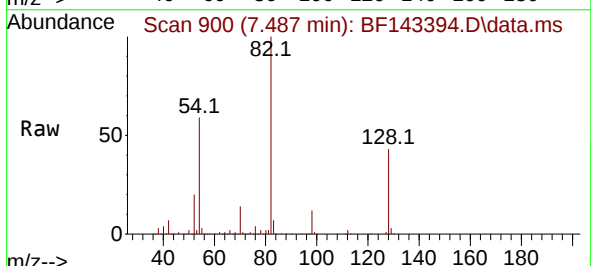
Tgt Ion: 82 Resp: 741391

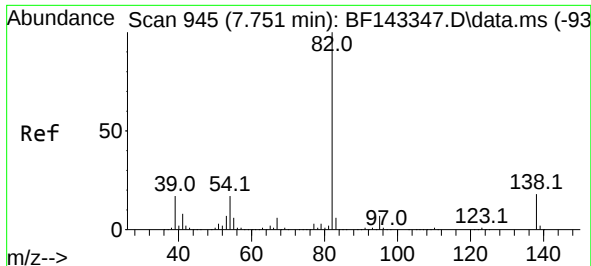
Ion Ratio Lower Upper

82 100

128 42.7 33.5 50.3

54 58.8 46.7 70.1

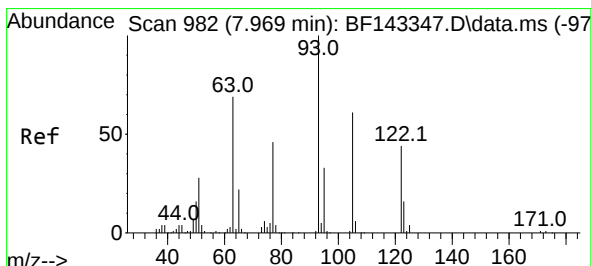
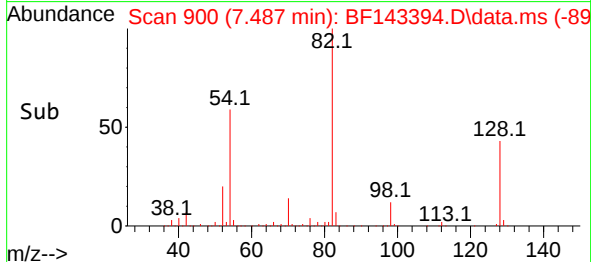
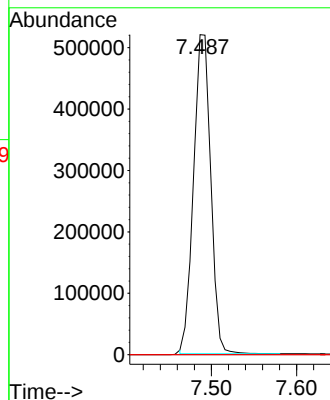
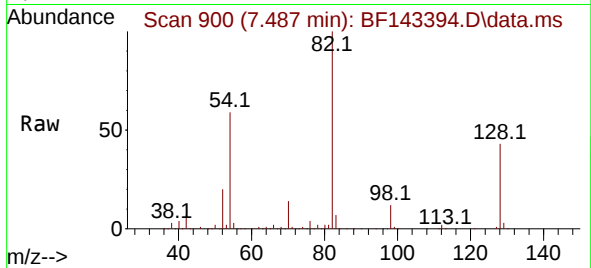




#25
Isophorone
Concen: 41.543 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

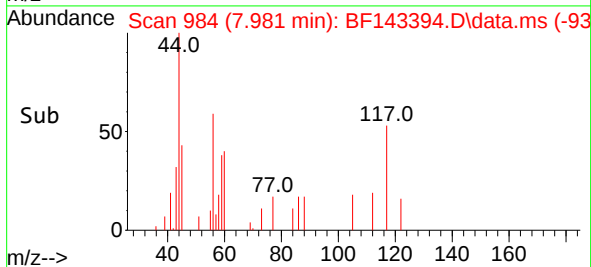
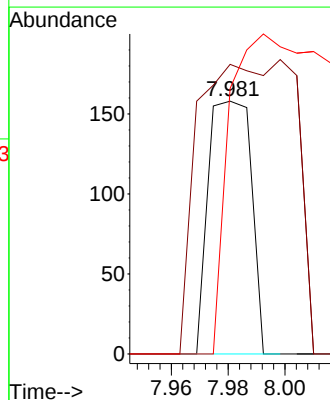
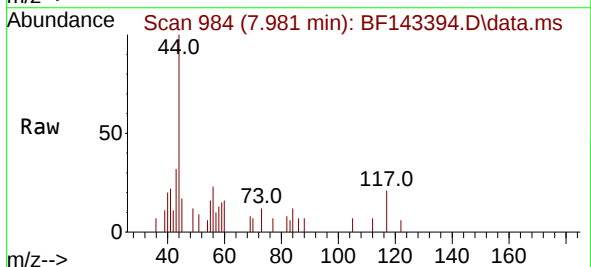
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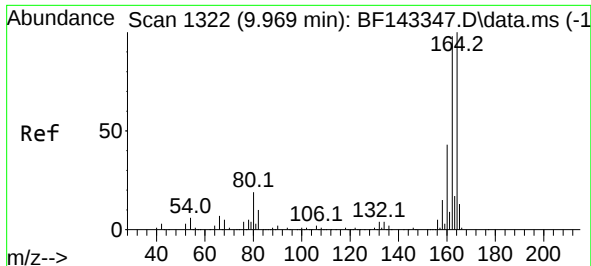
Tgt Ion: 82 Resp: 727413
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.521 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

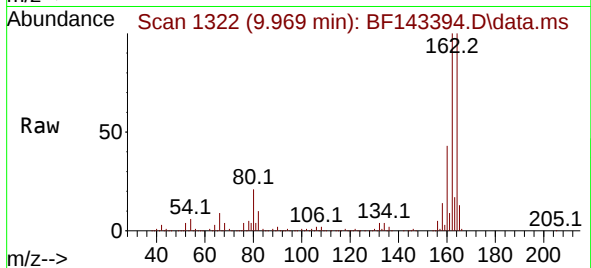
Tgt Ion:122 Resp: 165
Ion Ratio Lower Upper
122 100
105 114.6 106.4 146.4
77 105.1 79.2 119.2



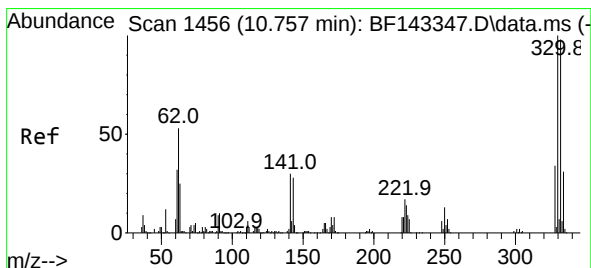
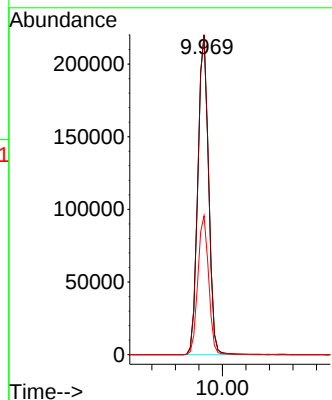
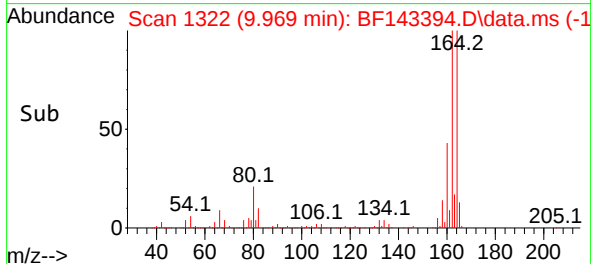


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

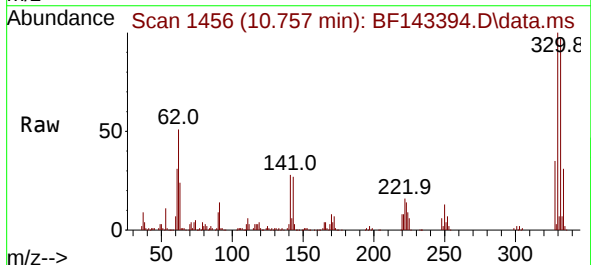
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ClientSampleId :
TW-518R-S



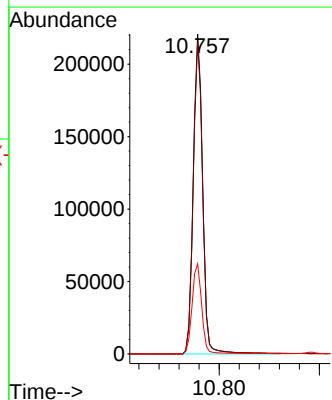
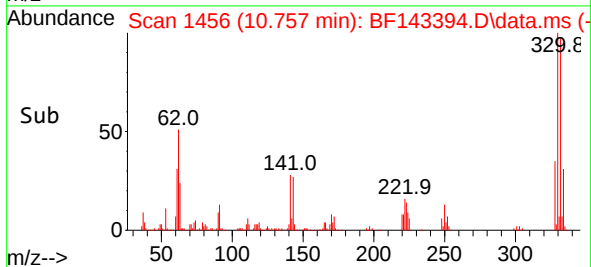
Tgt Ion:164 Resp: 277701
Ion Ratio Lower Upper
164 100
162 100.3 78.6 118.0
160 43.5 34.4 51.6

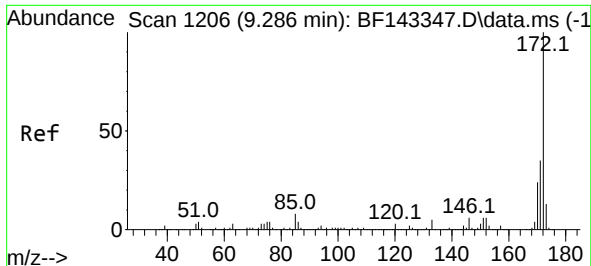


#42
2,4,6-Tribromophenol
Concen: 141.962 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26



Tgt Ion:330 Resp: 288111
Ion Ratio Lower Upper
330 100
332 97.7 78.1 117.1
141 29.1 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 80.738 ng

RT: 9.286 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

Instrument :

BNA_F

ClientSampleId :

TW-518R-S

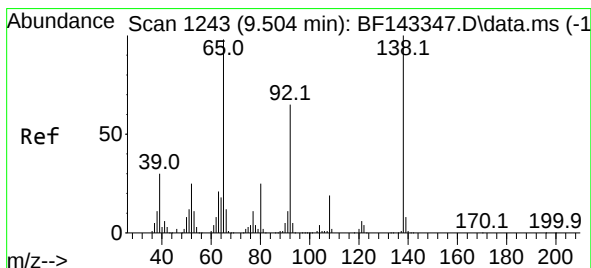
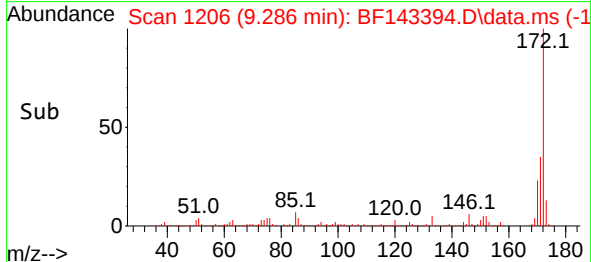
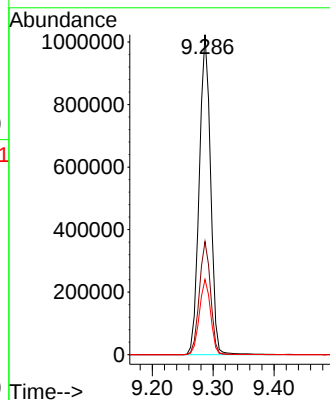
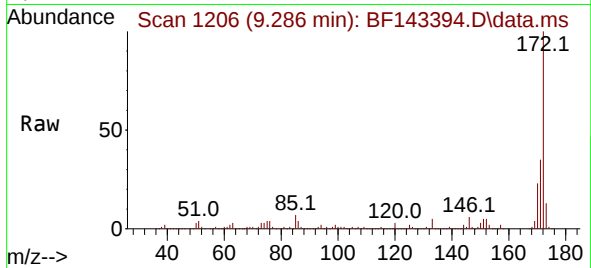
Tgt Ion:172 Resp: 1322179

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.5 19.1 28.7



#48

2-Nitroaniline

Concen: 3.254 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

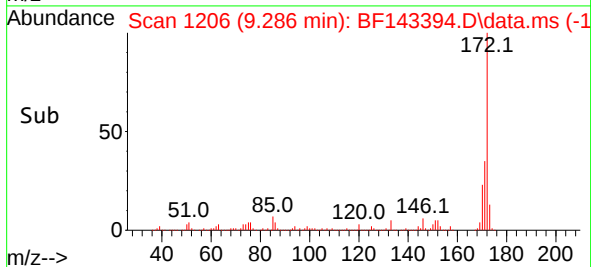
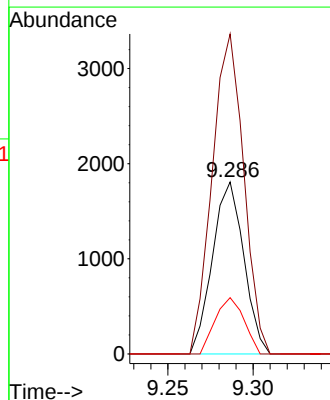
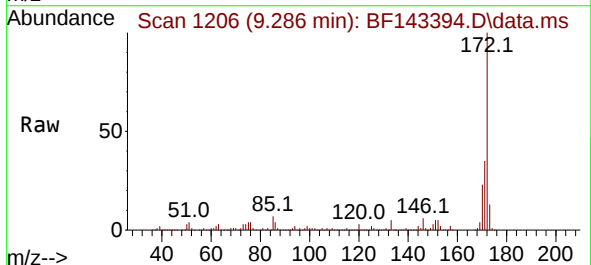
Tgt Ion: 65 Resp: 2311

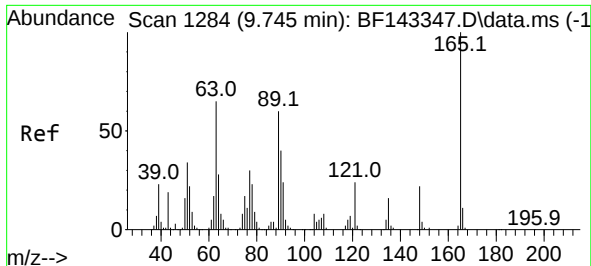
Ion Ratio Lower Upper

65 100

92 186.0 53.1 79.7#

138 32.7 81.4 122.0#

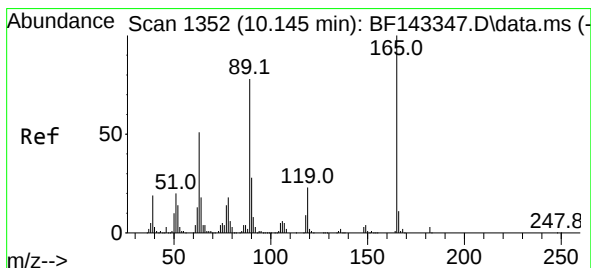
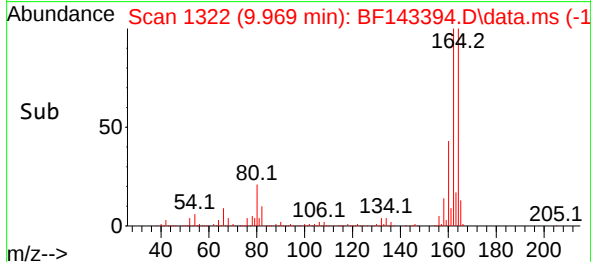
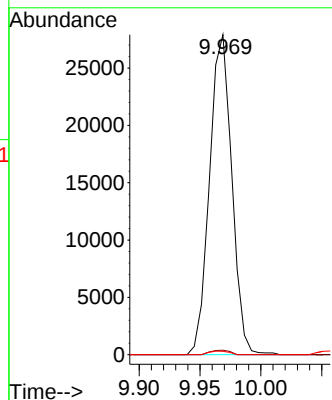
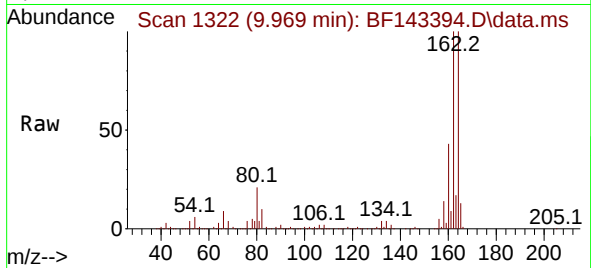




#51
2,6-Dinitrotoluene
Concen: 13.844 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

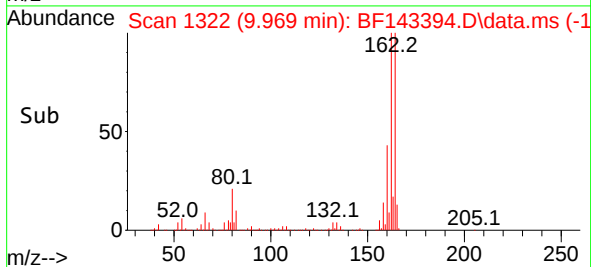
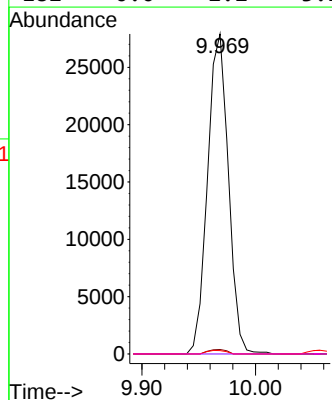
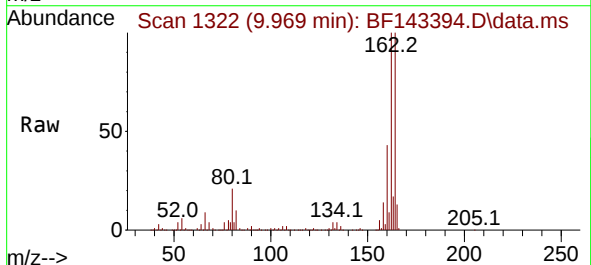
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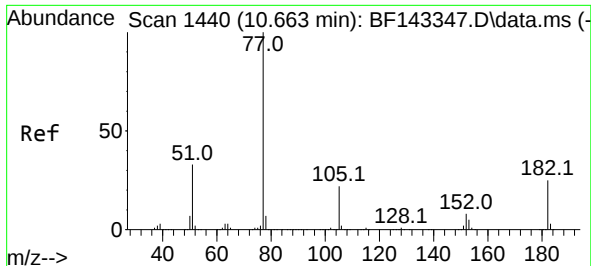
Tgt Ion:165 Resp: 35611
Ion Ratio Lower Upper
165 100
63 1.4 51.6 77.4#
89 1.1 47.7 71.5#



#57
2,4-Dinitrotoluene
Concen: 11.205 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

Tgt Ion:165 Resp: 35611
Ion Ratio Lower Upper
165 100
63 1.4 41.8 62.8#
89 1.1 62.4 93.6#
182 0.0 2.2 3.2#

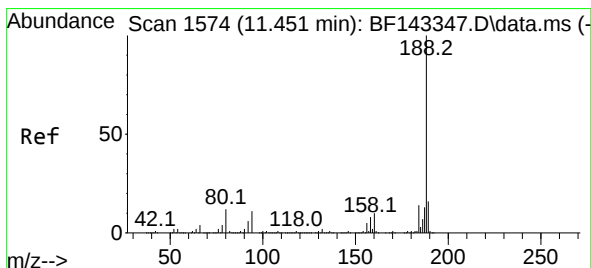
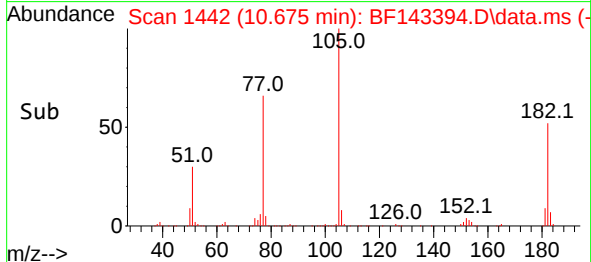
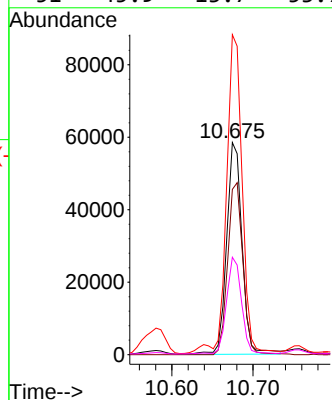
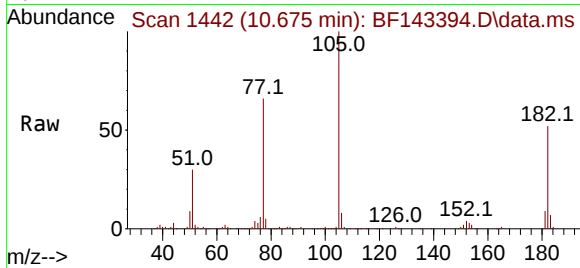




#63
 Azobenzene
 Concen: 4.655 ng
 RT: 10.675 min Scan# 1440
 Delta R.T. 0.012 min
 Lab File: BF143394.D
 Acq: 14 Aug 2025 21:26

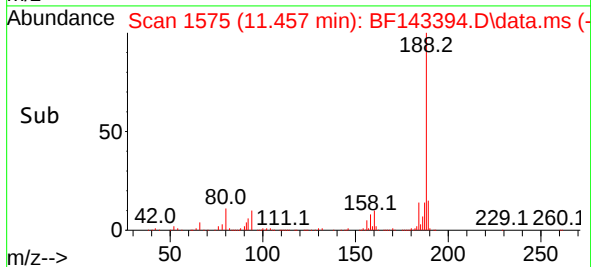
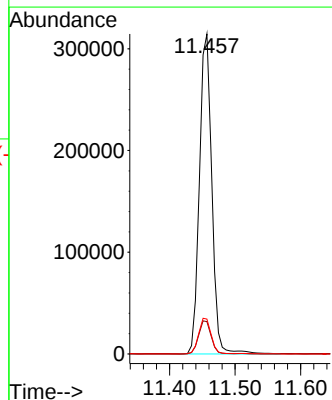
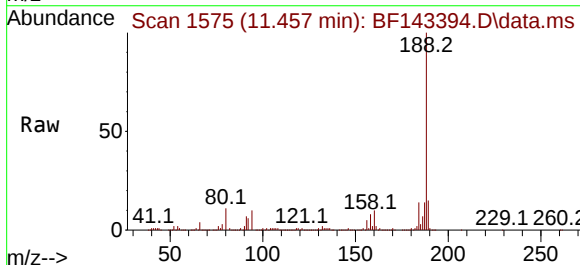
Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-S

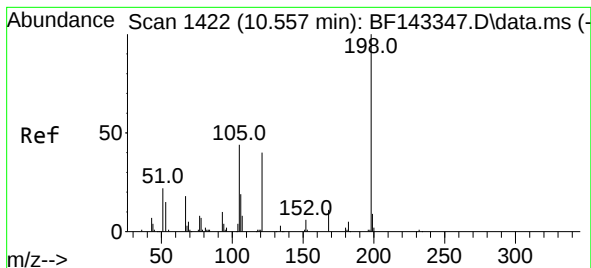
Tgt Ion: 77	Resp: 77283
Ion Ratio	Lower Upper
77 100	
182 77.9	4.4 44.4#
105 150.9	1.8 41.8#
51 45.9	13.7 53.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.457 min Scan# 1575
 Delta R.T. 0.006 min
 Lab File: BF143394.D
 Acq: 14 Aug 2025 21:26

Tgt Ion:188	Resp: 414456
Ion Ratio	Lower Upper
188 100	
94 10.1	8.8 13.2
80 10.9	9.7 14.5

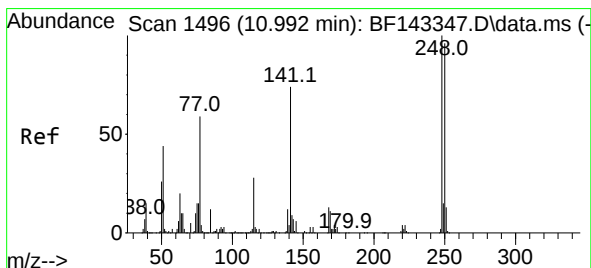
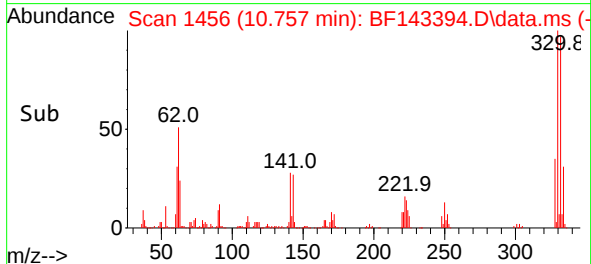
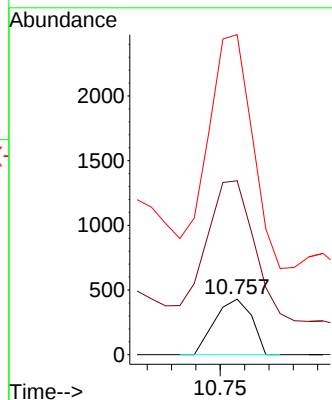
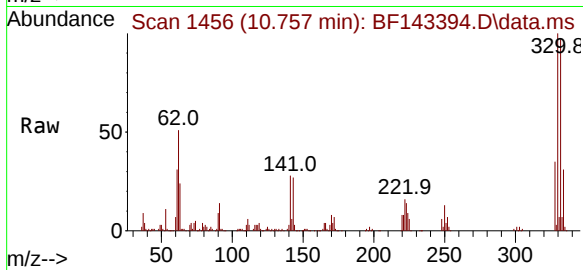




#65
4,6-Dinitro-2-methylphenol
Concen: 7.490 ng
RT: 10.757 min Scan# 1422
Delta R.T. 0.200 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

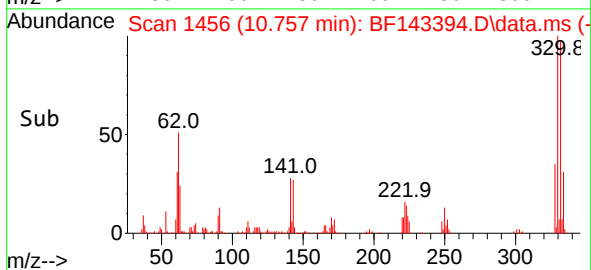
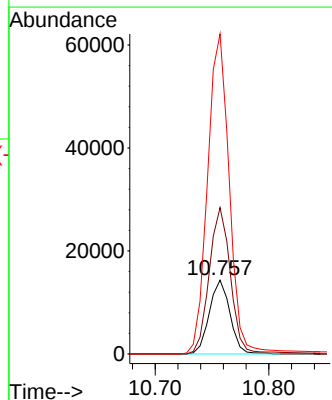
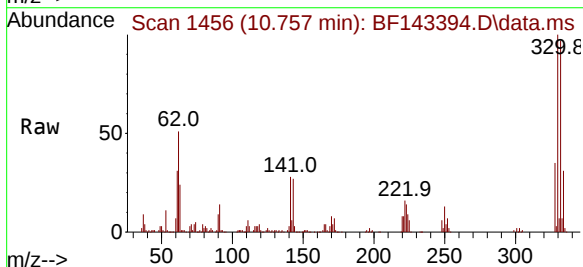
Instrument :
BNA_F
ClientSampleId :
TW-518R-S

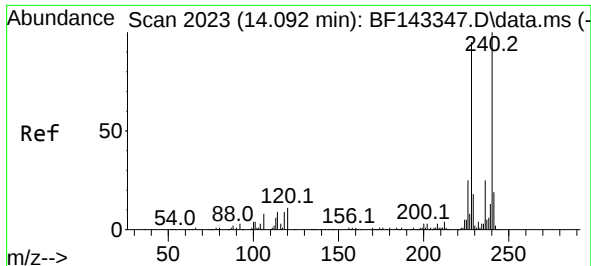
Tgt Ion:198 Resp: 453
Ion Ratio Lower Upper
198 100
51 313.5 41.7 81.7#
105 576.7 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.827 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

Tgt Ion:248 Resp: 18139
Ion Ratio Lower Upper
248 100
250 198.3 77.1 115.7#
141 433.5 59.1 88.7#

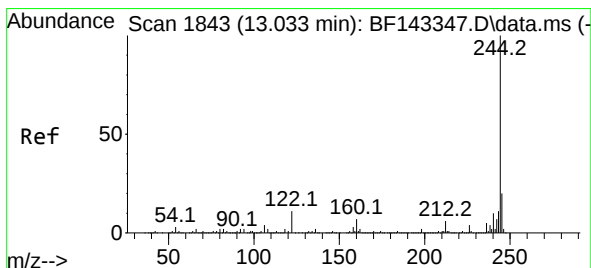
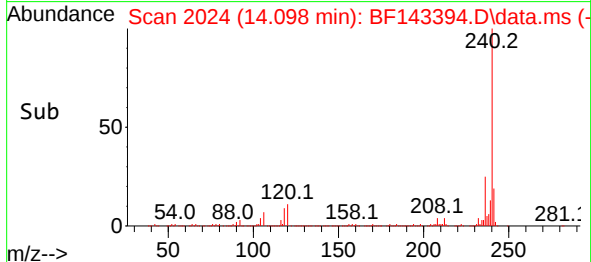
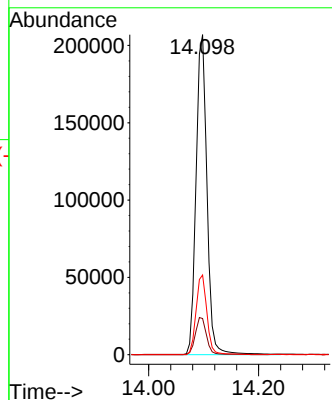
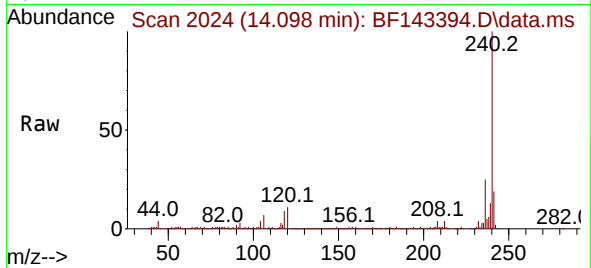




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

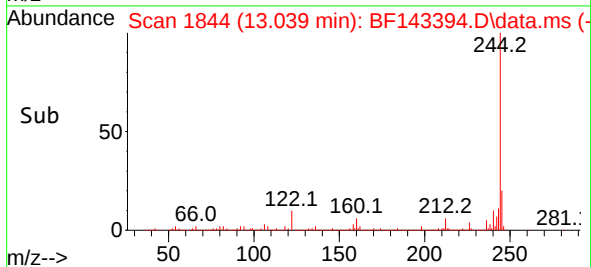
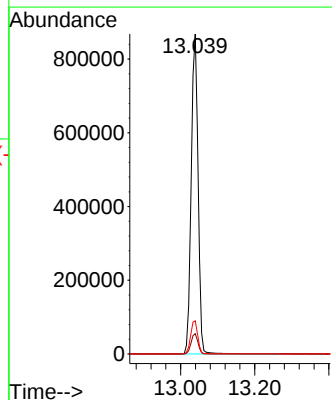
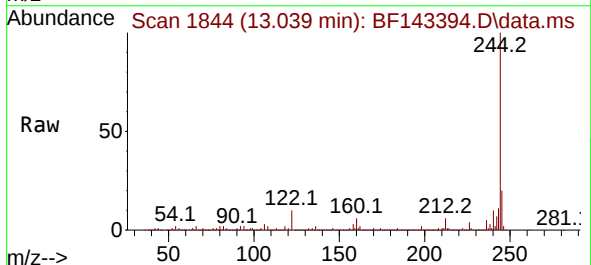
Instrument :
BNA_F
ClientSampleId :
TW-518R-S

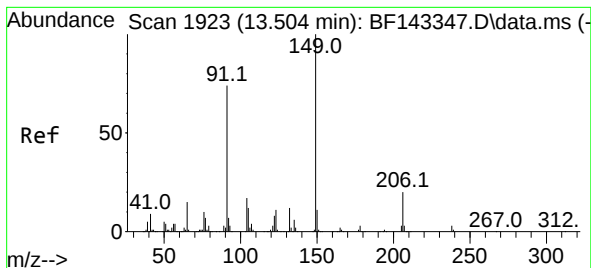
Tgt Ion:240 Resp: 285325
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 24.9 19.9 29.9



#79
Terphenyl-d14
Concen: 69.809 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143394.D
Acq: 14 Aug 2025 21:26

Tgt Ion:244 Resp: 1115651
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 10.3 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.482 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

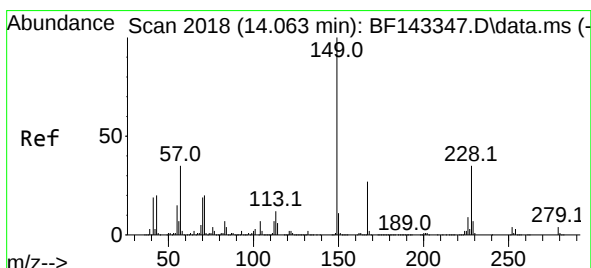
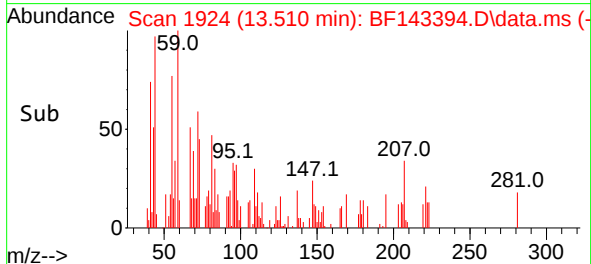
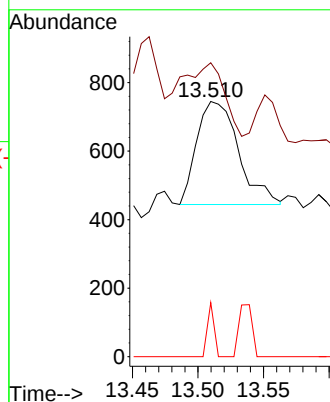
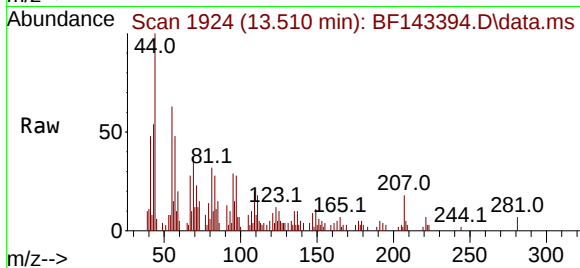
Instrument :

BNA_F

ClientSampleId :

TW-518R-S

Tgt Ion:	149	Resp:	668
Ion Ratio	Lower	Upper	
149	100		
91	115.2	58.8	88.2#
206	21.2	16.4	24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.767 ng

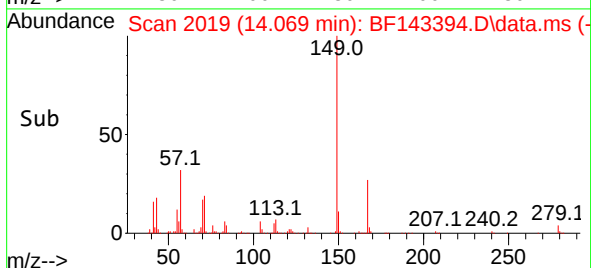
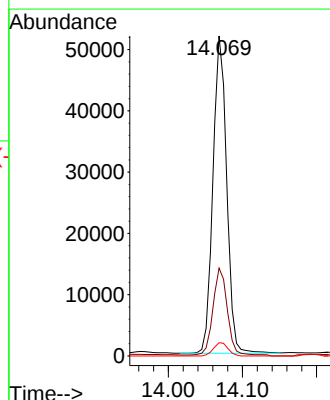
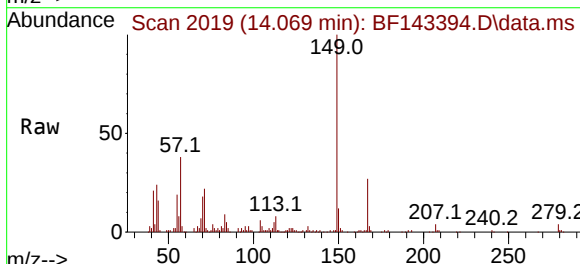
RT: 14.069 min Scan# 2019

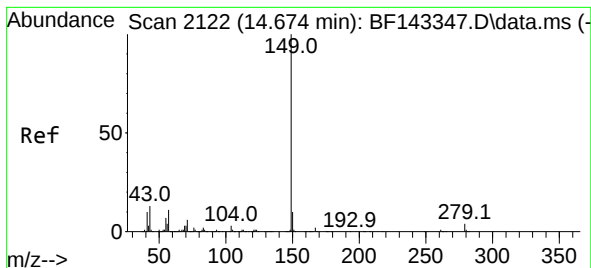
Delta R.T. 0.005 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

Tgt Ion:	149	Resp:	66602
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.4	32.0
279	4.2	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 6.089 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.017 min

Lab File: BF143394.D

Acq: 14 Aug 2025 21:26

Instrument :

BNA_F

ClientSampleId :

TW-518R-S

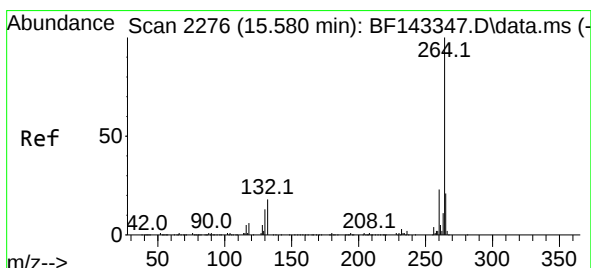
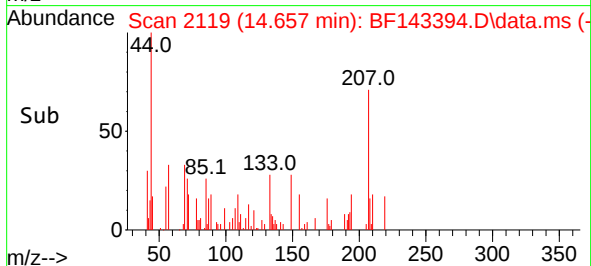
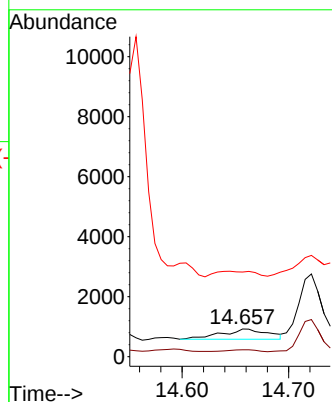
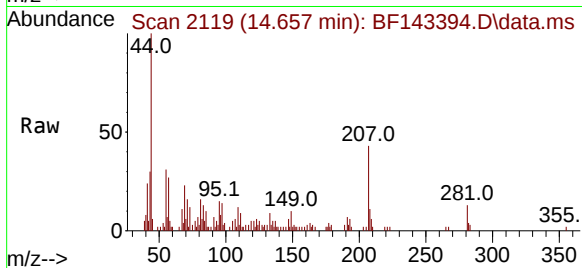
Tgt Ion:149 Resp: 1020

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 45.8 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: BF143394.D

Acq: 14 Aug 2025 21:26

Tgt Ion:264 Resp: 341489

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.0 17.2 25.8

