

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141510.D
 Acq On : 07 Feb 2025 16:24
 Operator : RC/JU
 Sample : Q1299-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Feb 07 16:48:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

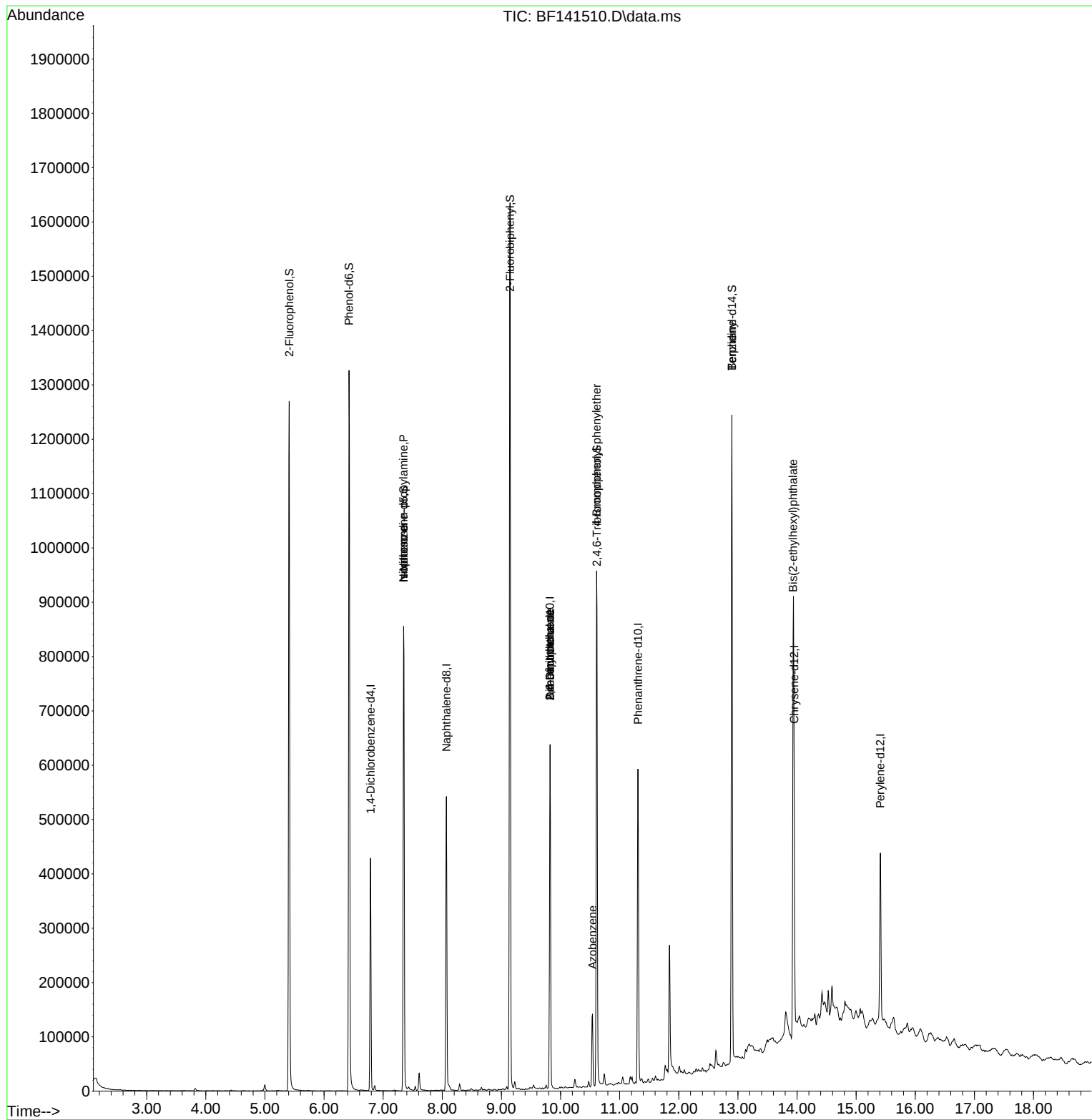
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	85763	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	344597	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	185348	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	292314	20.000	ng	0.00
76) Chrysene-d12	13.951	240	174225	20.000	ng	-0.01
86) Perylene-d12	15.410	264	188620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	459412	83.980	ng	0.00
7) Phenol-d6	6.422	99	580467	83.953	ng	-0.02
23) Nitrobenzene-d5	7.345	82	375790	56.880	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	149530	80.310	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	714079	59.355	ng	0.00
79) Terphenyl-d14	12.898	244	568195	55.056	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	51345	12.415	ng	# 76
25) Isophorone	7.345	82	361021	34.271	ng	# 66
50) Dimethylphthalate	9.822	163	27383	2.176	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	23201	8.435	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	23201	6.336	ng	# 19
63) Azobenzene	10.539	77	33496	2.722	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10132	3.101	ng	# 1
77) Benzidine	12.898	184	8140	2.118	ng	95
84) Bis(2-ethylhexyl)phtha...	13.933	149	265273	45.785	ng	99

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

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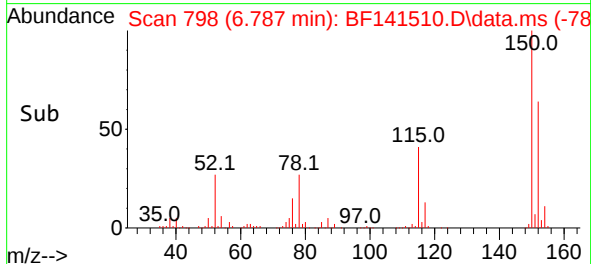
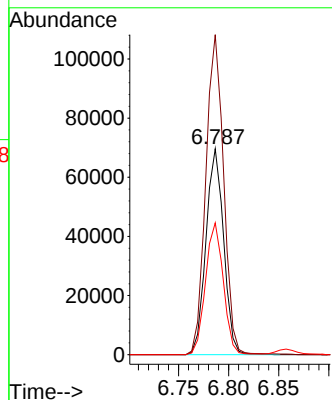
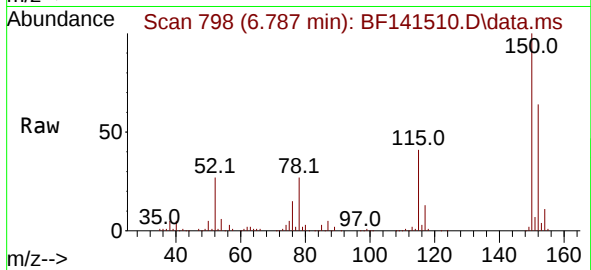




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141510.D
 Acq: 07 Feb 2025 16:24

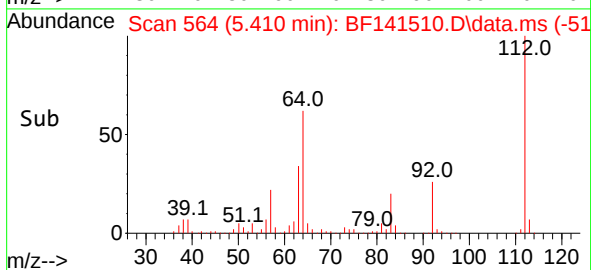
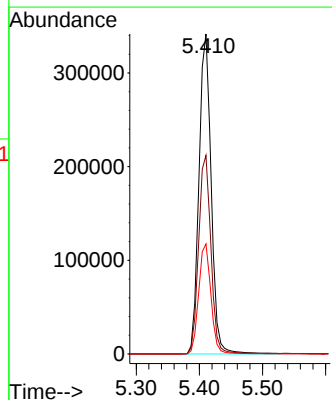
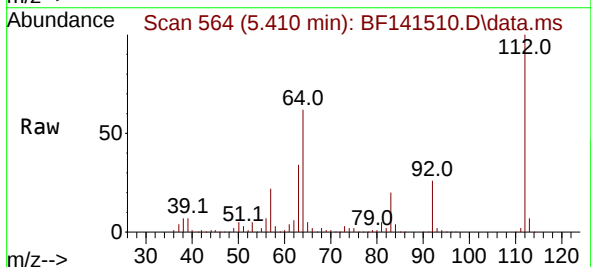
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:152 Resp: 85763
 Ion Ratio Lower Upper
 152 100
 150 155.4 125.0 187.4
 115 64.0 53.6 80.4



#5
 2-Fluorophenol
 Concen: 83.980 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141510.D
 Acq: 07 Feb 2025 16:24

Tgt Ion:112 Resp: 459412
 Ion Ratio Lower Upper
 112 100
 64 62.1 51.1 76.7
 63 34.4 28.4 42.6





#7
Phenol-d6
Concen: 83.953 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

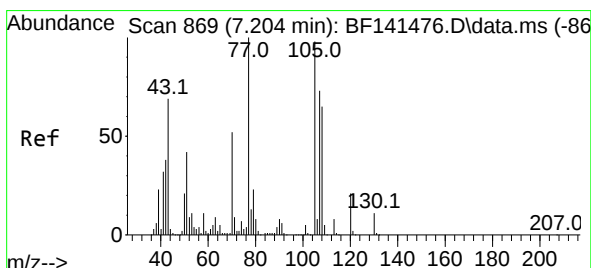
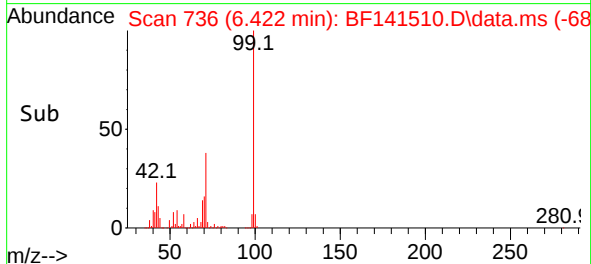
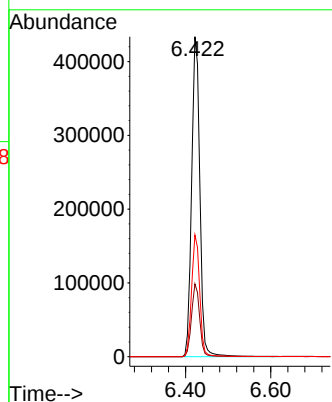
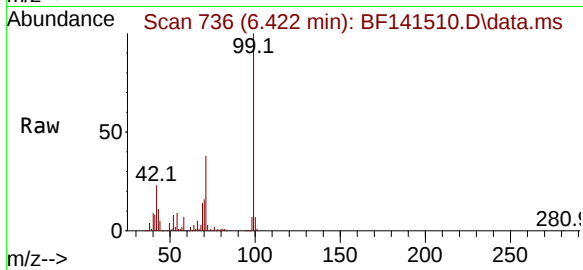
Instrument :

BNA_F

ClientSampleId :

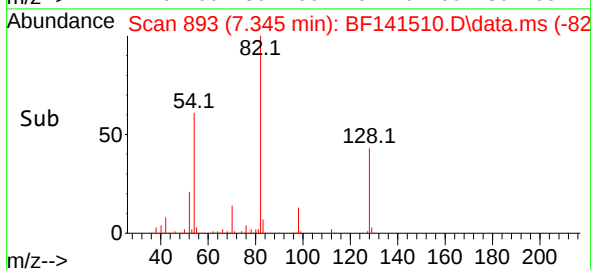
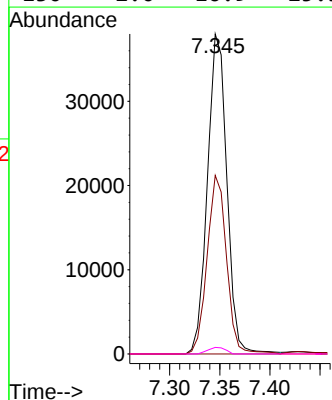
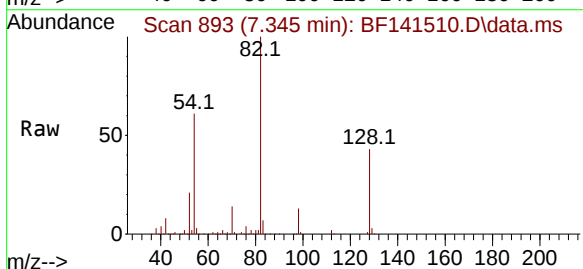
WC-1

Tgt Ion: 99 Resp: 580467
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.415 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Tgt Ion: 70 Resp: 51345
Ion Ratio Lower Upper
70 100
42 55.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

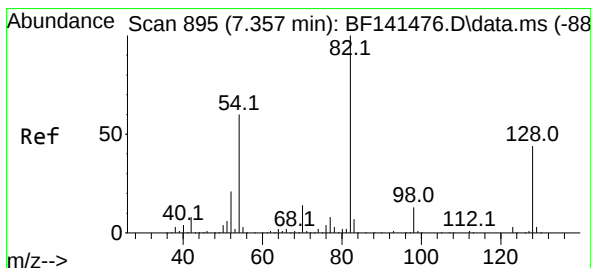
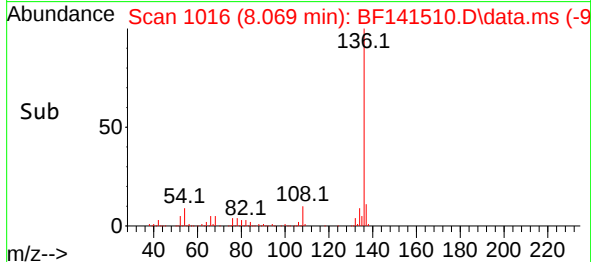
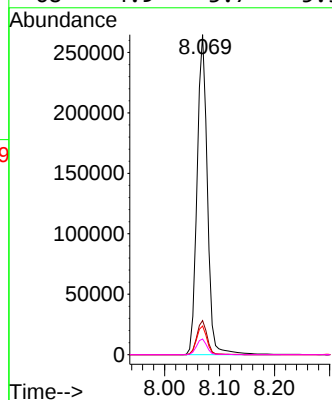
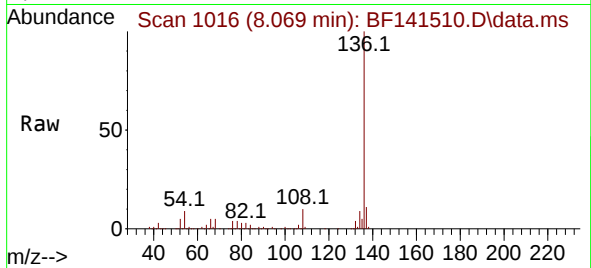




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

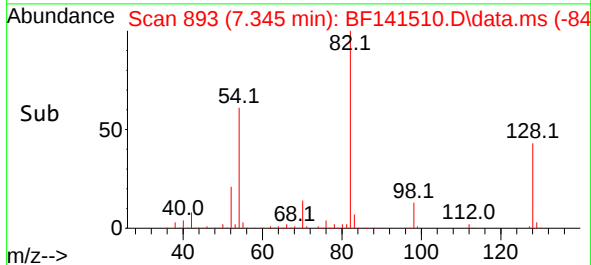
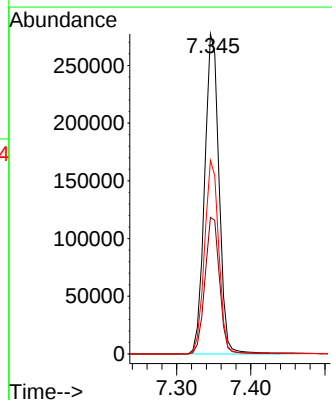
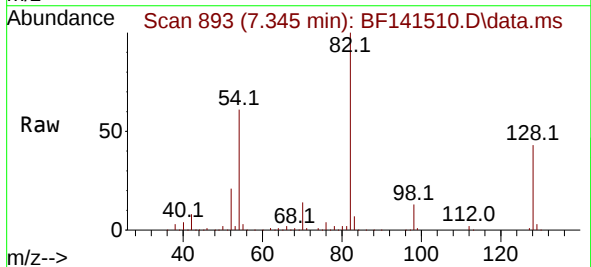
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 344597
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 56.880 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

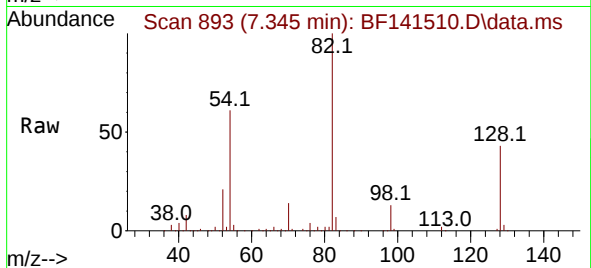
Tgt Ion: 82 Resp: 375790
Ion Ratio Lower Upper
82 100
128 42.7 34.8 52.2
54 60.5 48.2 72.4



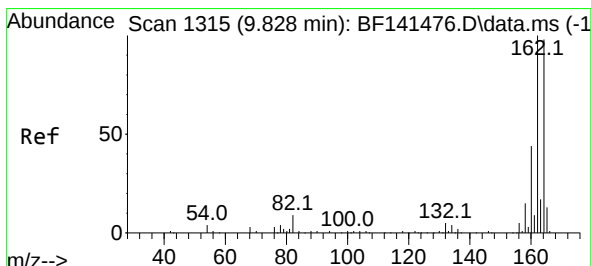
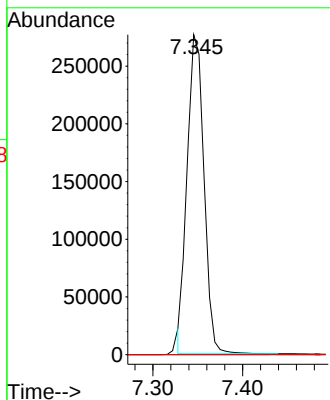
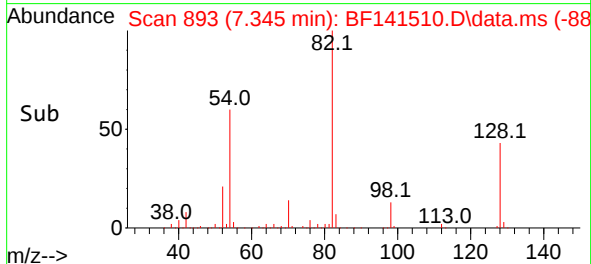


#25
Isophorone
Concen: 34.271 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Instrument :
BNA_F
ClientSampleId :
WC-1

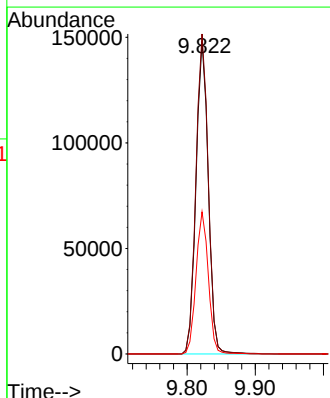
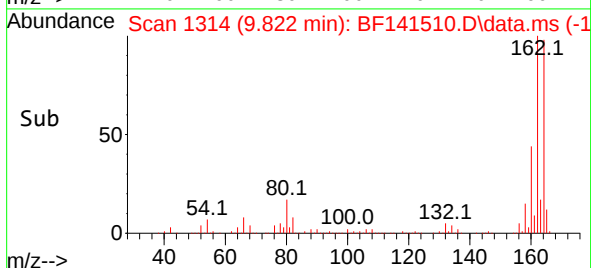
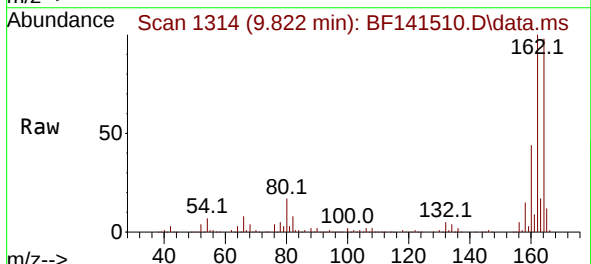


Tgt Ion: 82 Resp: 361021
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Tgt Ion:164 Resp: 185348
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 45.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 80.310 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141510.D

Acq: 07 Feb 2025 16:24

Instrument :

BNA_F

ClientSampleId :

WC-1

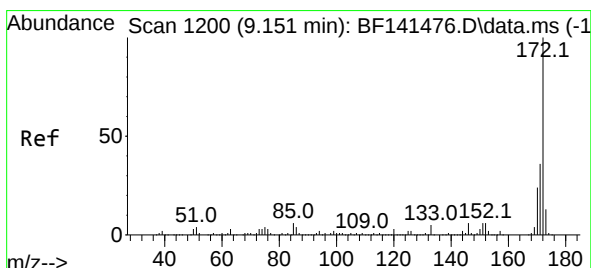
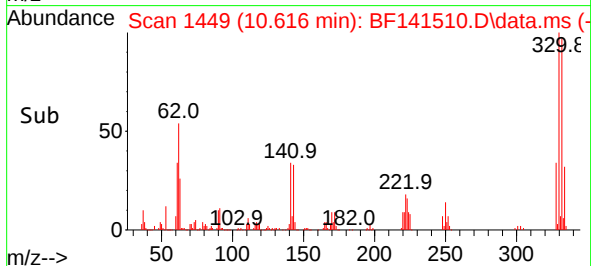
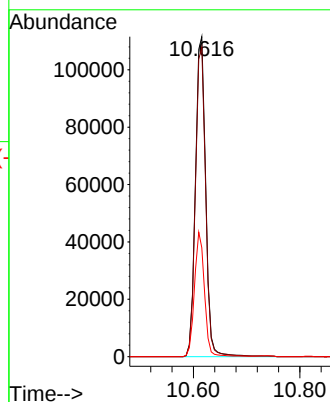
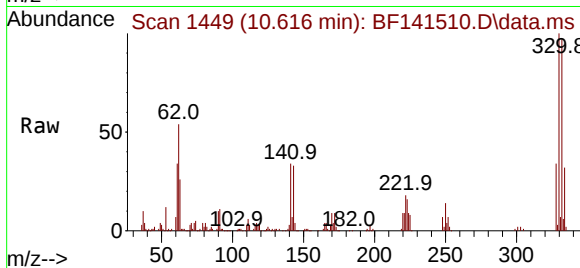
Tgt Ion:330 Resp: 149530

Ion Ratio Lower Upper

330 100

332 96.5 78.5 117.7

141 38.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 59.355 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141510.D

Acq: 07 Feb 2025 16:24

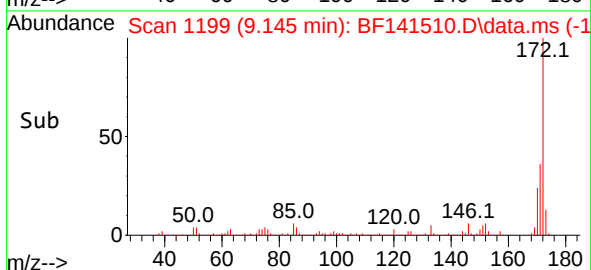
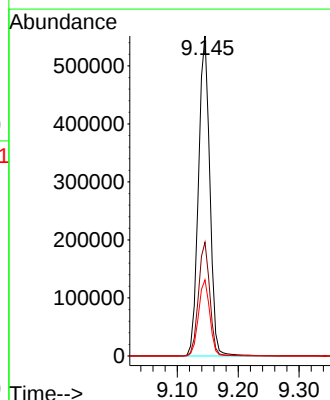
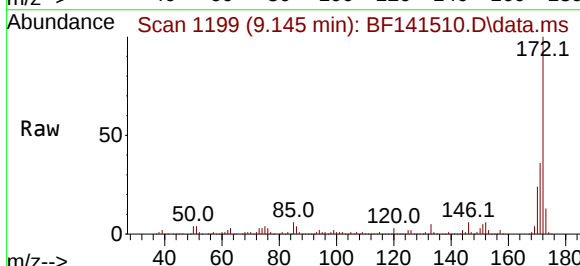
Tgt Ion:172 Resp: 714079

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.8 18.9 28.3

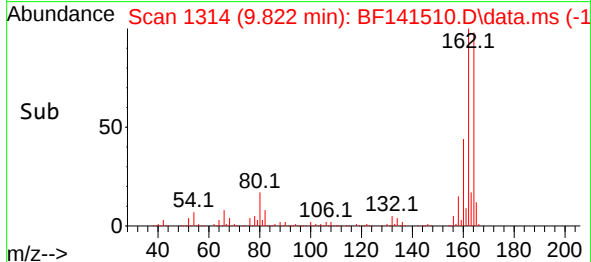
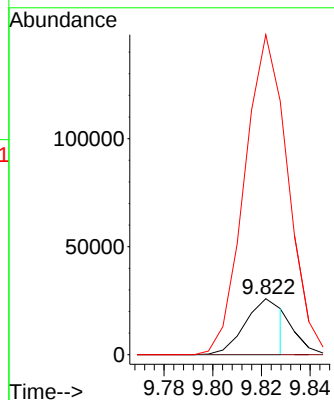
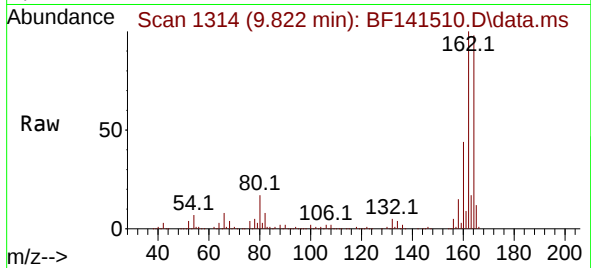




#50
Dimethylphthalate
Concen: 2.176 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

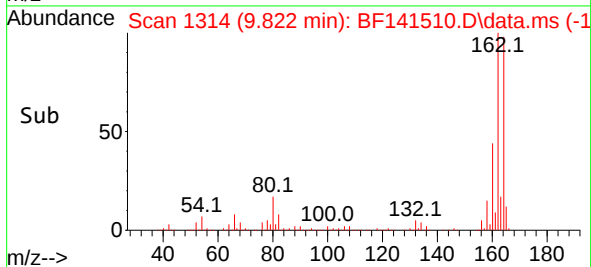
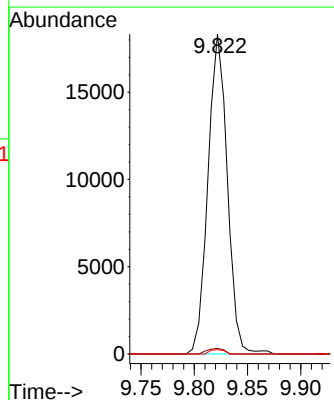
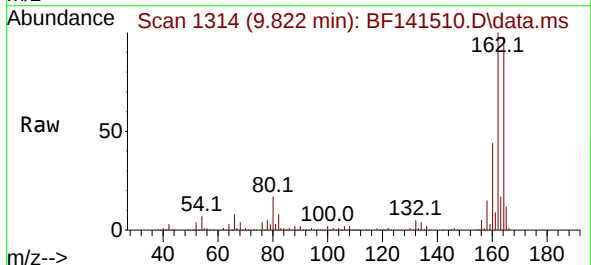
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:163 Resp: 27383
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 570.8 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.435 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

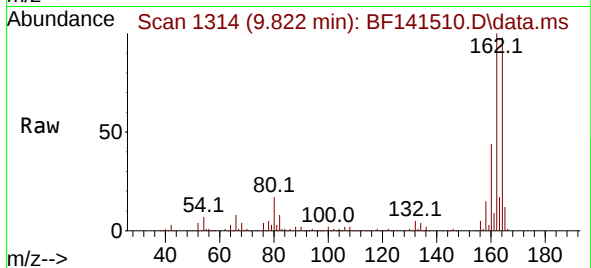
Tgt Ion:165 Resp: 23201
Ion Ratio Lower Upper
165 100
63 1.7 49.4 74.0#
89 1.4 46.5 69.7#



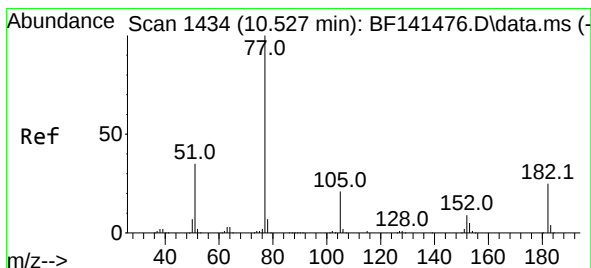
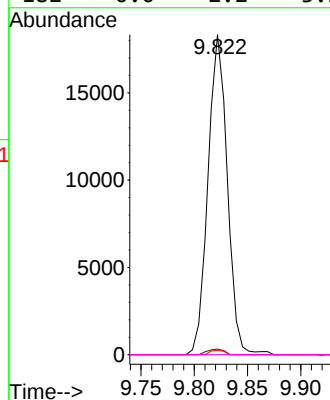
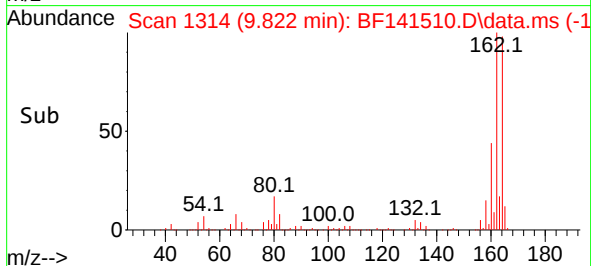


#57
2,4-Dinitrotoluene
Concen: 6.336 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Instrument :
BNA_F
ClientSampleId :
WC-1

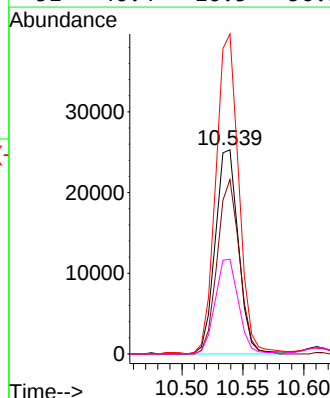
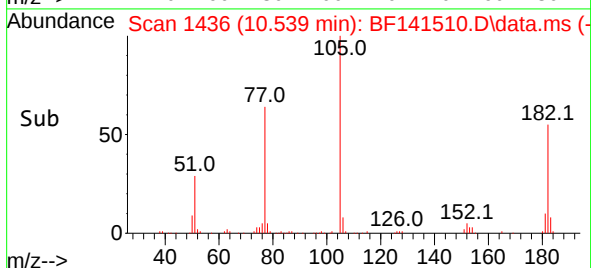
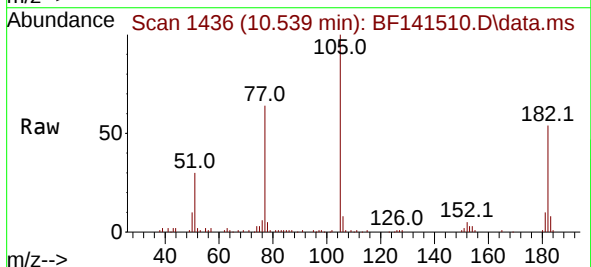


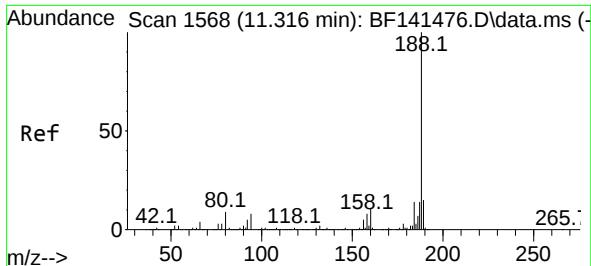
Tgt Ion:165 Resp: 23201
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.722 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Tgt Ion: 77 Resp: 33496
Ion Ratio Lower Upper
77 100
182 85.4 4.7 44.7#
105 156.8 0.4 40.4#
51 46.4 16.5 56.5

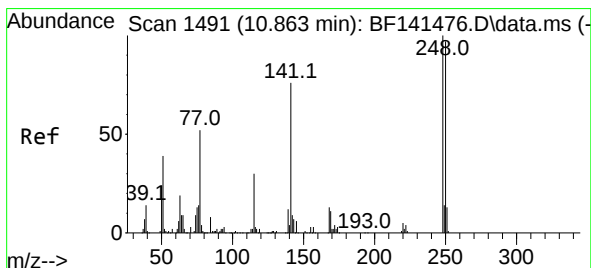
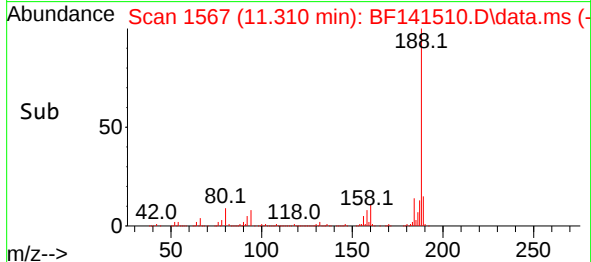
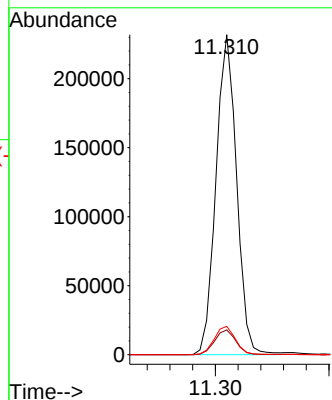
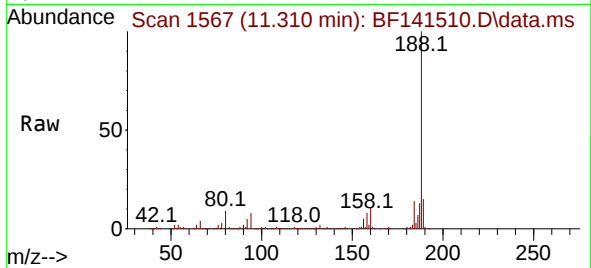




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

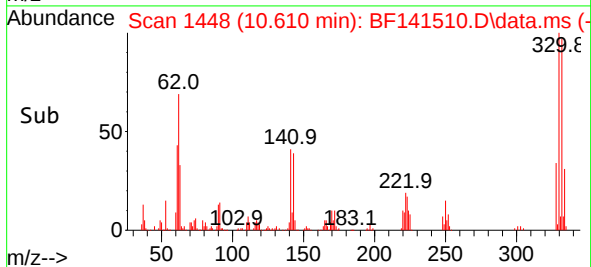
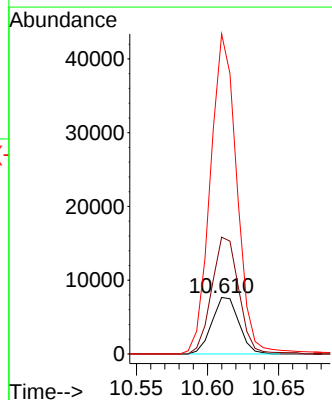
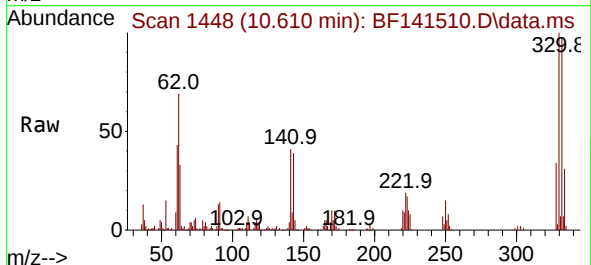
Instrument :
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WC-1

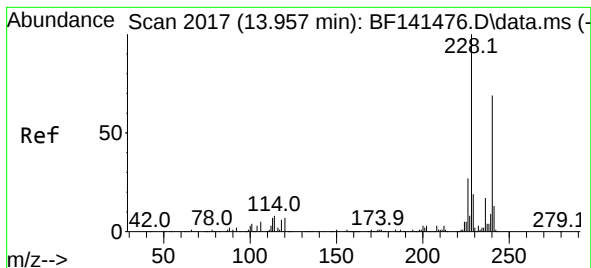
Tgt Ion:188 Resp: 292314
Ion Ratio Lower Upper
188 100
94 7.7 6.6 10.0
80 8.8 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.101 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Tgt Ion:248 Resp: 10132
Ion Ratio Lower Upper
248 100
250 206.6 77.8 116.6#
141 566.1 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141510.D

Acq: 07 Feb 2025 16:24

Instrument :

BNA_F

ClientSampleId :

WC-1

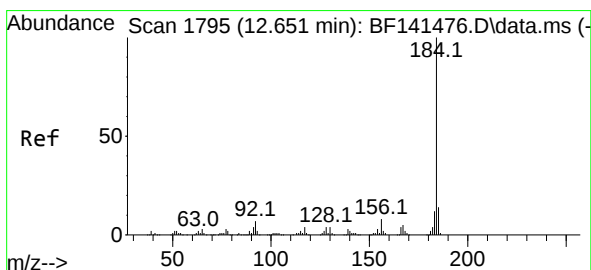
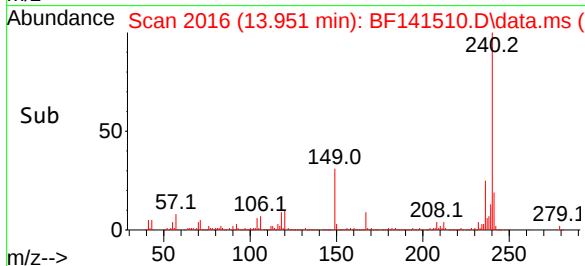
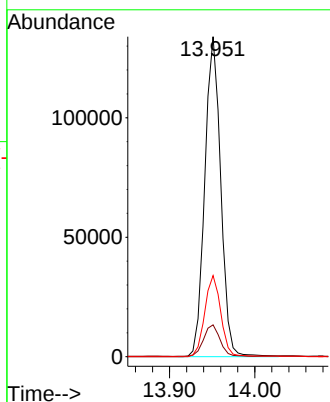
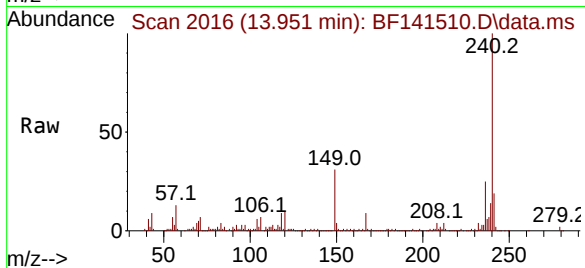
Tgt Ion:240 Resp: 174225

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.4 19.8 29.8



#77

Benzidine

Concen: 2.118 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141510.D

Acq: 07 Feb 2025 16:24

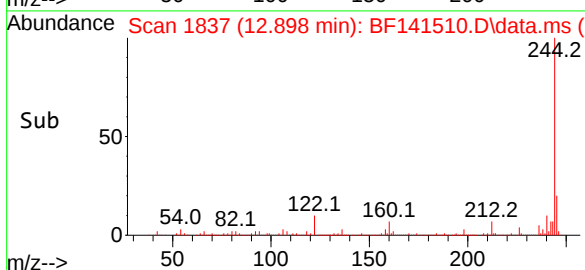
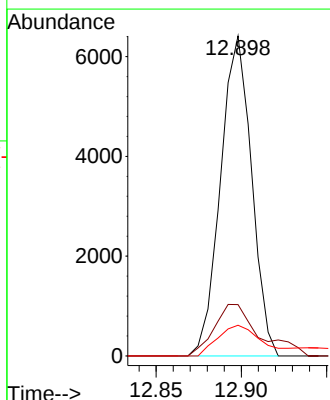
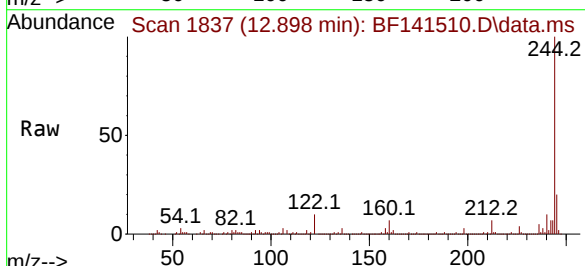
Tgt Ion:184 Resp: 8140

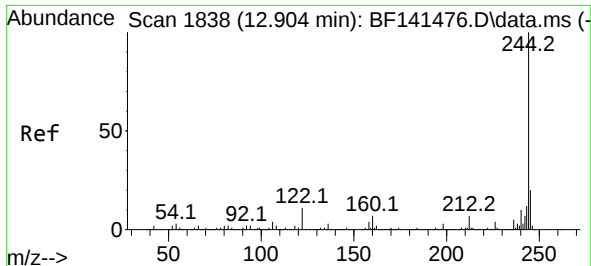
Ion Ratio Lower Upper

184 100

185 16.1 11.3 16.9

183 9.6 9.3 13.9

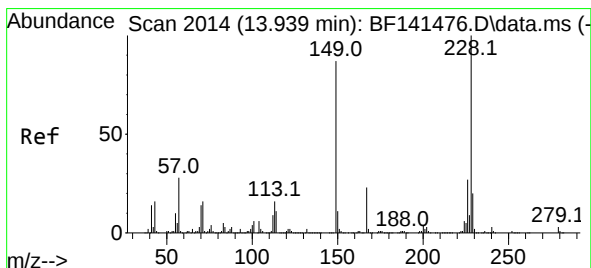
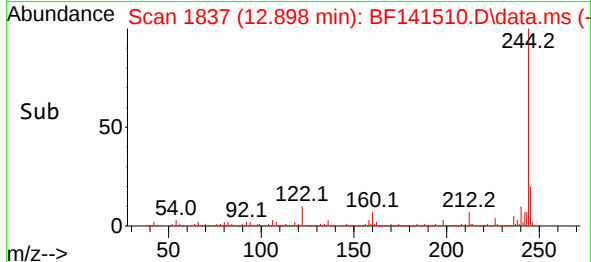
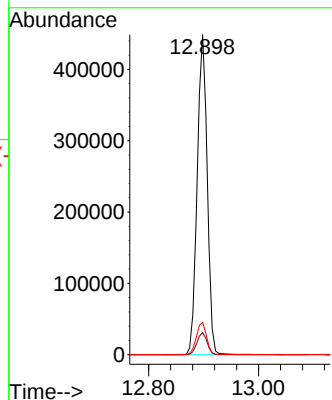
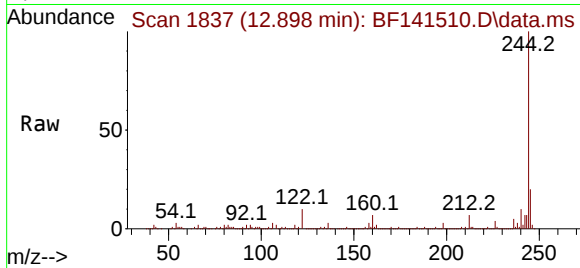




#79
 Terphenyl-d14
 Concen: 55.056 ng
 RT: 12.898 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF141510.D
 Acq: 07 Feb 2025 16:24

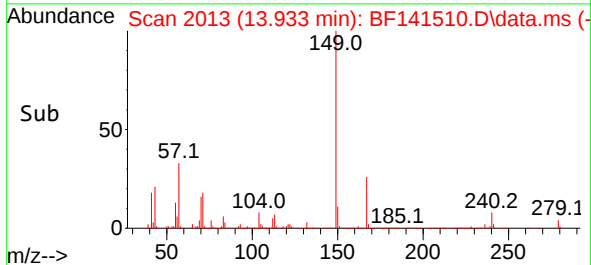
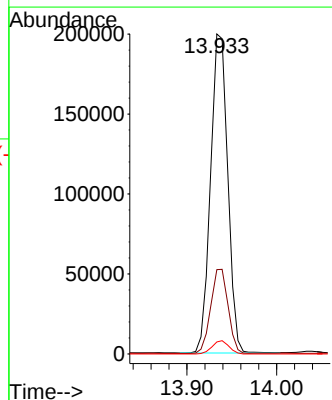
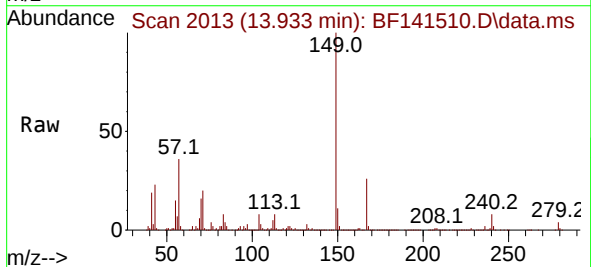
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

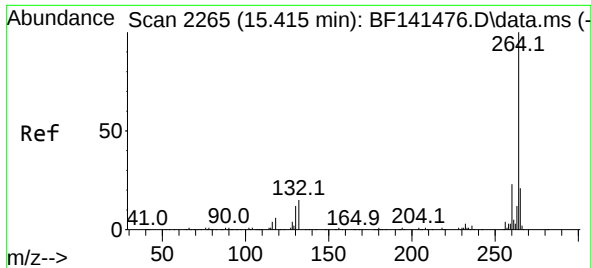
Tgt Ion:244 Resp: 568195
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.1 8.4 12.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 45.785 ng
 RT: 13.933 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF141510.D
 Acq: 07 Feb 2025 16:24

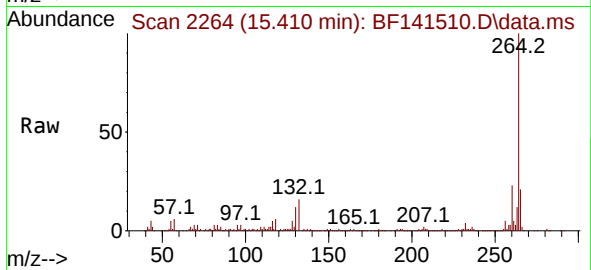
Tgt Ion:149 Resp: 265273
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.4 32.0
 279 3.8 3.1 4.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141510.D
Acq: 07 Feb 2025 16:24

Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 188620
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 20.9 17.0 25.4

