

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135892.D
 Acq On : 19 Oct 2023 18:12
 Operator : CG\JU
 Sample : 04908-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Oct 19 20:07:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

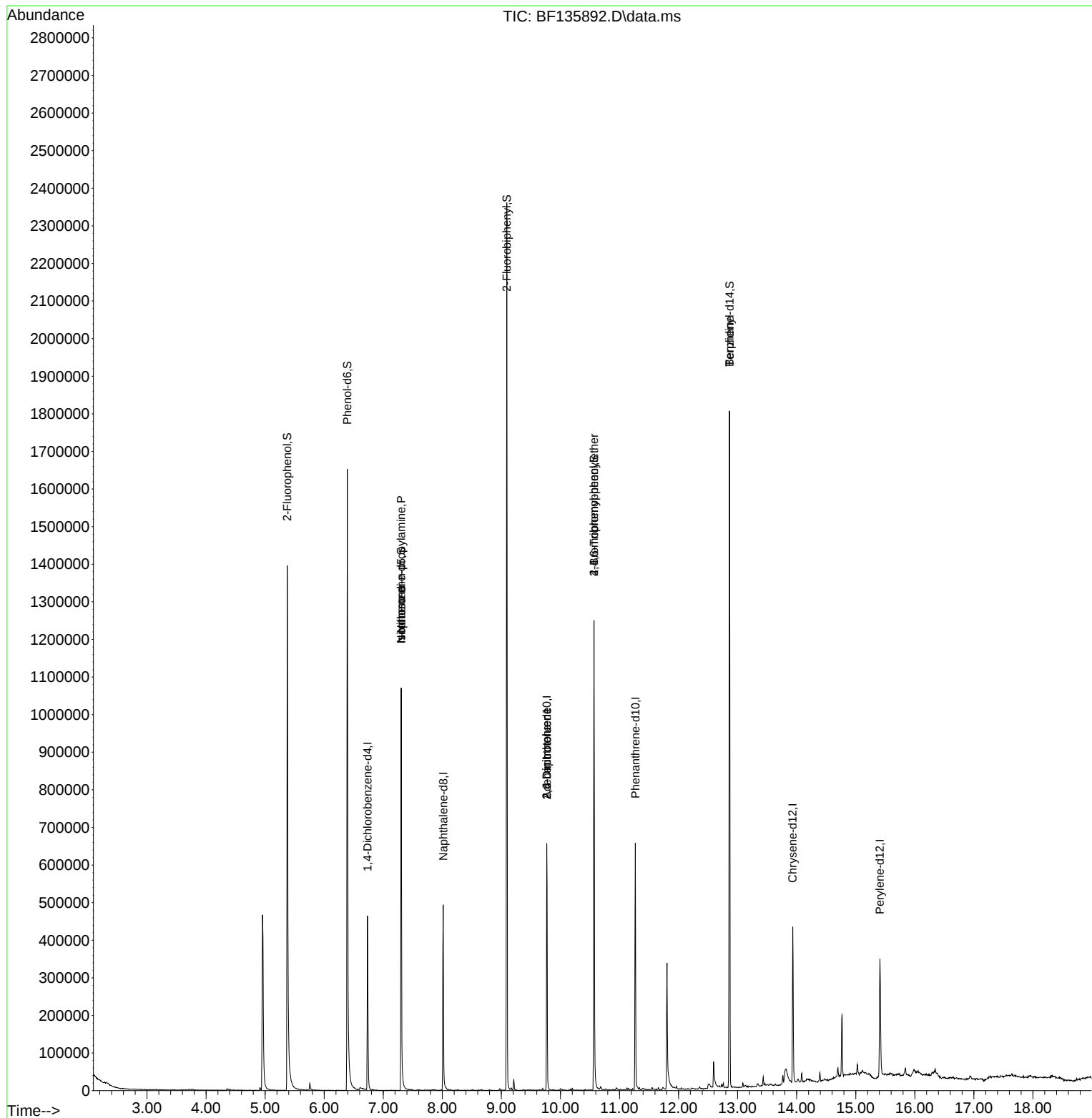
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.733	152	65924	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	219931	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	131473	20.000	ng	-0.02
64) Phenanthrene-d10	11.268	188	237627	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	147349	20.000	ng	-0.02
86) Perylene-d12	15.409	264	151286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	422028	102.924	ng	0.00
7) Phenol-d6	6.392	99	534713	104.515	ng	0.00
23) Nitrobenzene-d5	7.304	82	303862	75.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.568	330	145846	115.605	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	656790	78.107	ng	-0.01
79) Terphenyl-d14	12.862	244	617459	77.603	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	40474	12.795	ng	# 74
25) Isophorone	7.304	82	303862	40.279	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	16433	8.610	ng	# 15
57) 2,4-Dinitrotoluene	9.769	165	16433	6.768	ng	# 22
67) 4-Bromophenyl-phenylether	10.568	248	9112	3.820	ng	# 1
77) Benizidine	12.862	184	7701	2.395	ng	# 95

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

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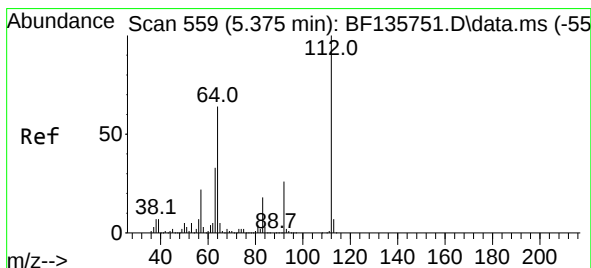
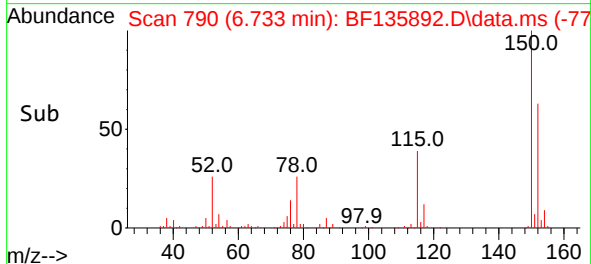
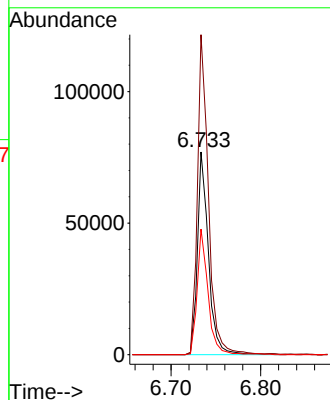
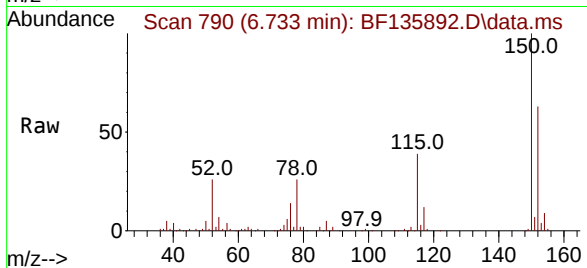




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.733 min Scan# 791
Delta R.T. -0.013 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

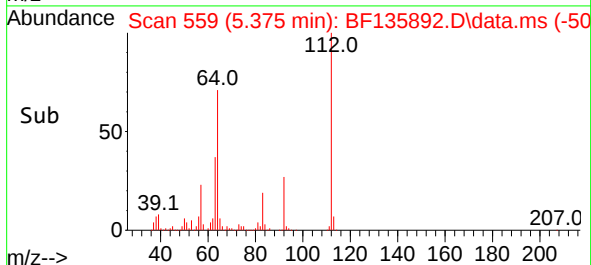
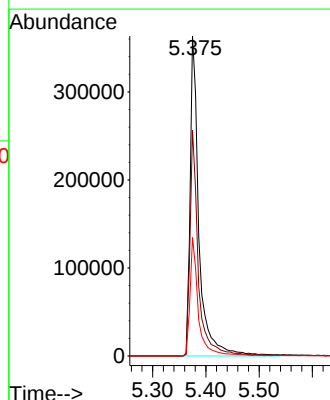
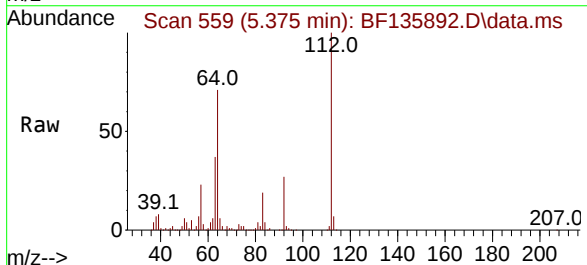
Instrument :
BNA_F
ClientSampleId :
TP-3

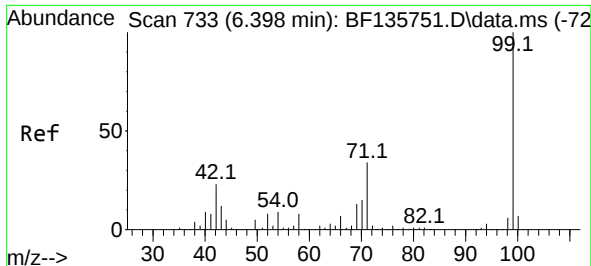
Tgt Ion:152 Resp: 65924
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 102.924 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

Tgt Ion:112 Resp: 422028
Ion Ratio Lower Upper
112 100
64 70.6 51.2 76.8
63 37.0 26.1 39.1

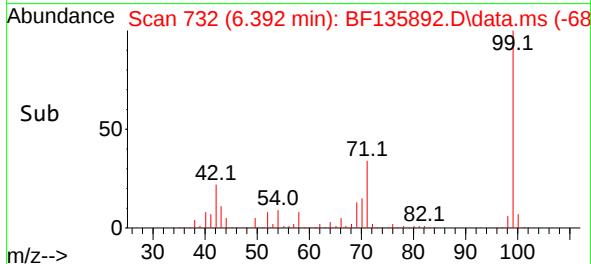
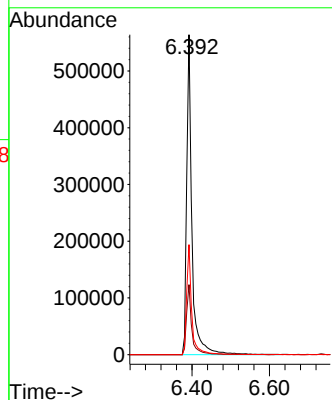
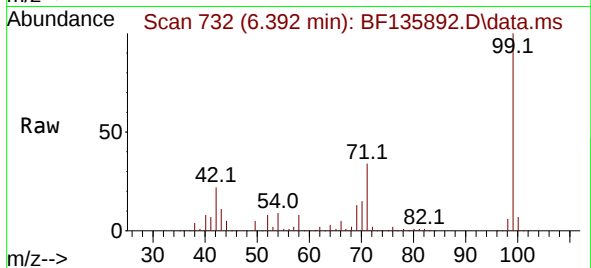




#7
Phenol-d6
Concen: 104.515 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

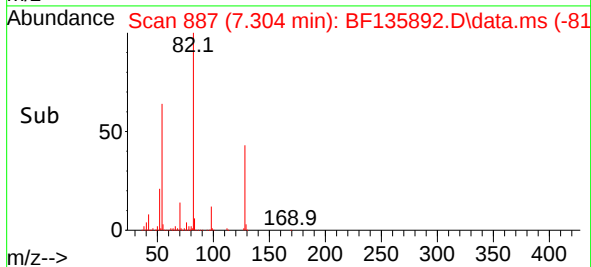
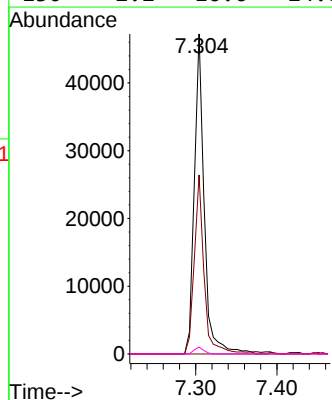
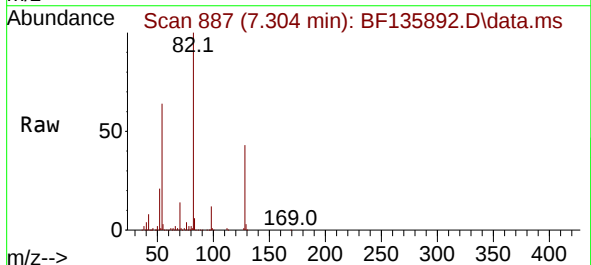
Instrument :
BNA_F
ClientSampleId :
TP-3

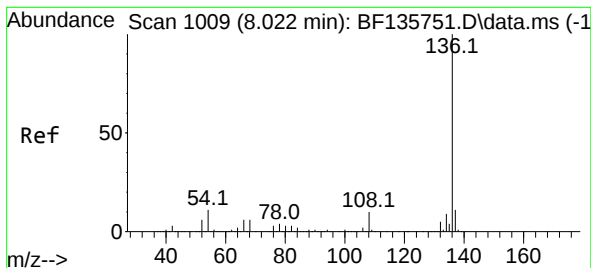
Tgt Ion: 99 Resp: 534713
Ion Ratio Lower Upper
99 100
42 21.9 18.4 27.6
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.795 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

Tgt Ion: 70 Resp: 40474
Ion Ratio Lower Upper
70 100
42 55.9 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:136 Resp: 219931

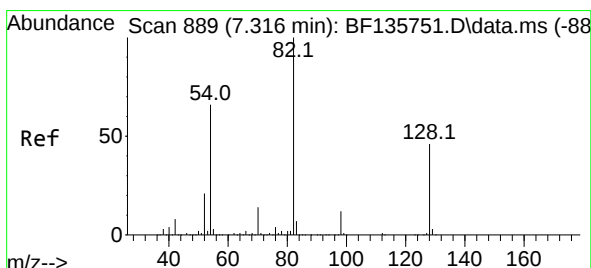
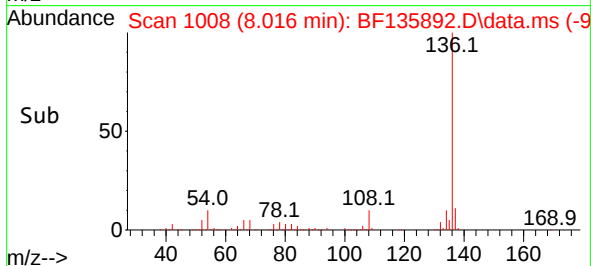
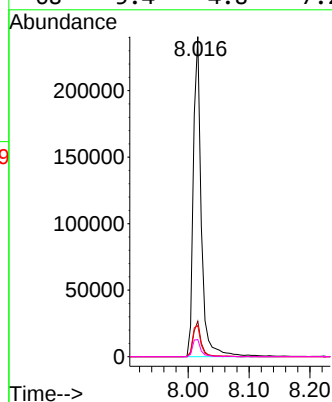
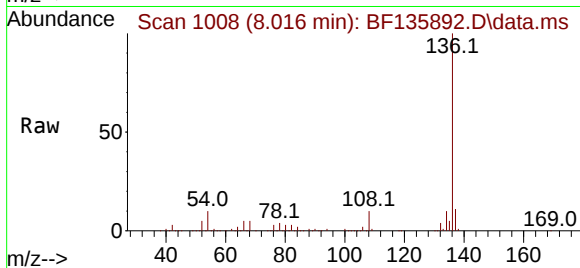
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 9.7 8.5 12.7

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 75.988 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

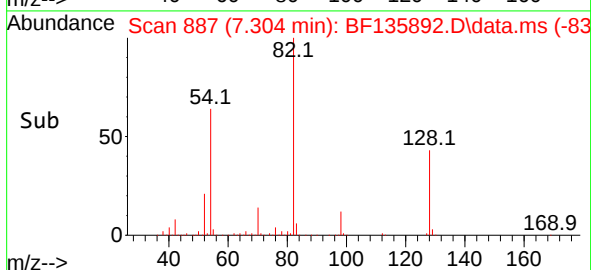
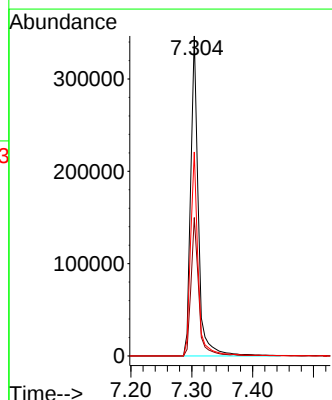
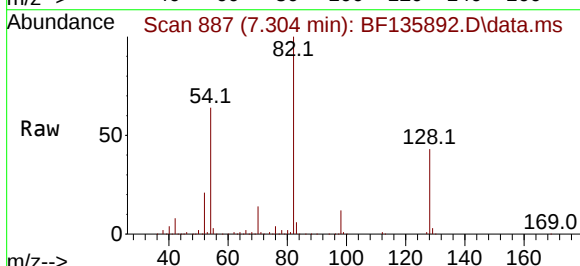
Tgt Ion: 82 Resp: 303862

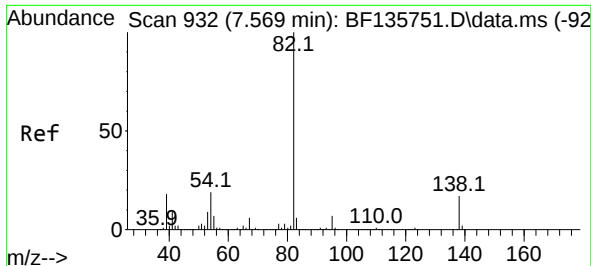
Ion Ratio Lower Upper

82 100

128 43.2 37.0 55.6

54 63.8 52.8 79.2

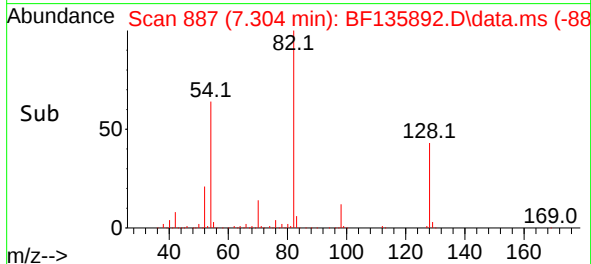
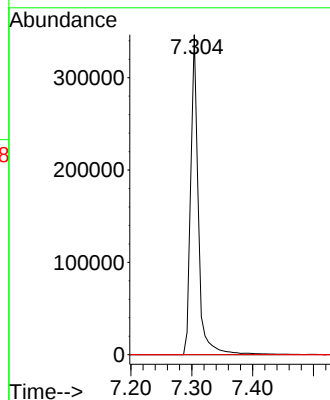
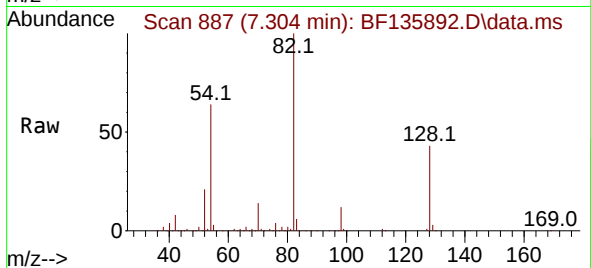




#25
Isophorone
Concen: 40.279 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

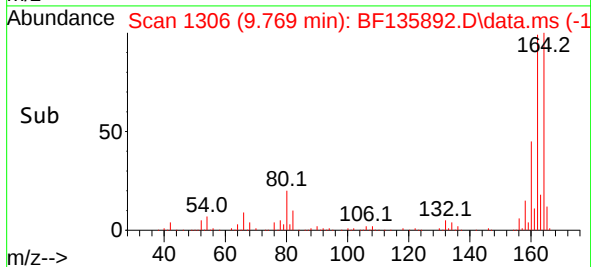
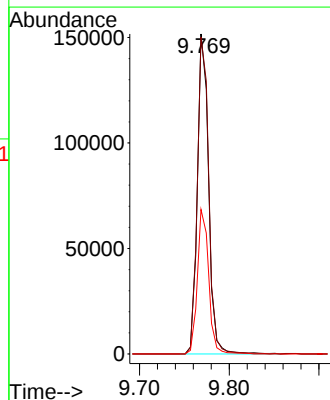
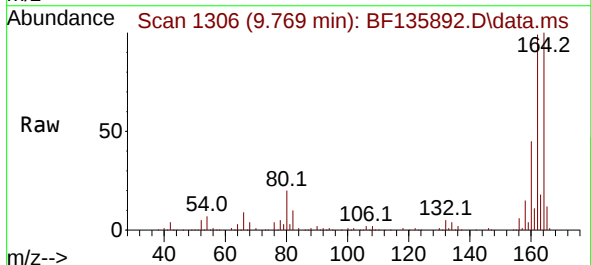
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 303862
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

Tgt Ion:164 Resp: 131473
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 45.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 115.605 ng

RT: 10.568 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

Instrument :

BNA_F

ClientSampleId :

TP-3

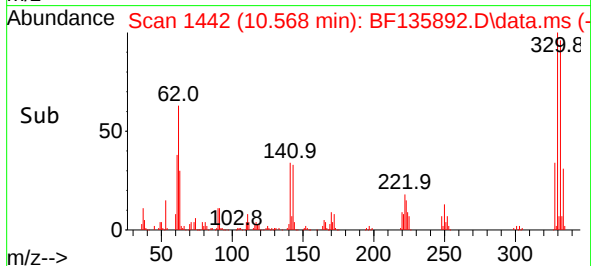
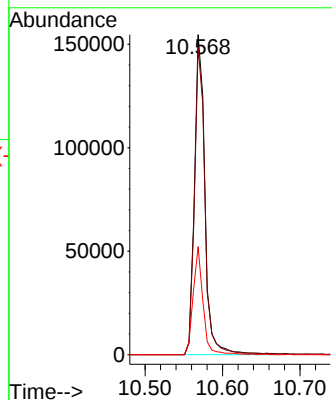
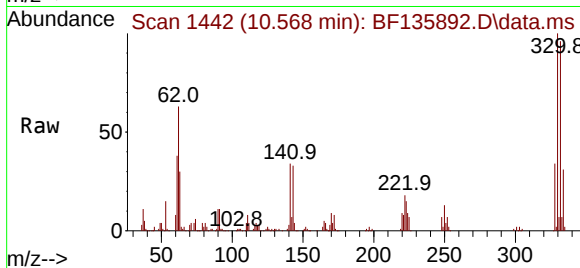
Tgt Ion:330 Resp: 145846

Ion Ratio Lower Upper

330 100

332 95.7 75.0 112.4

141 31.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 78.107 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

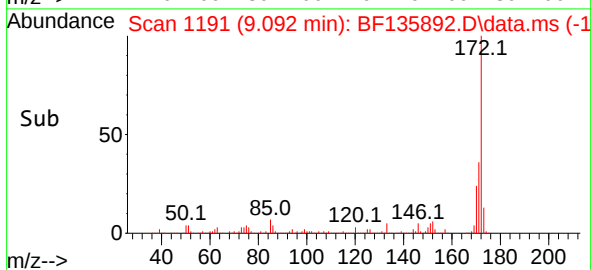
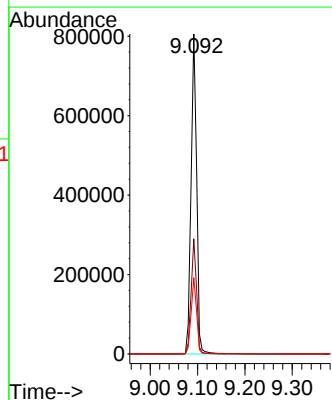
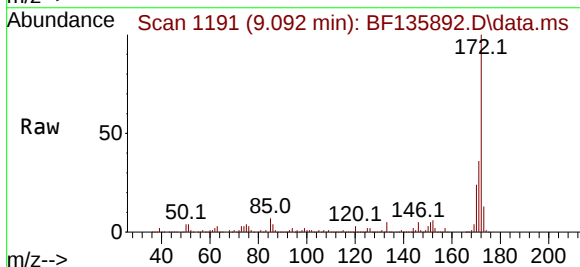
Tgt Ion:172 Resp: 656790

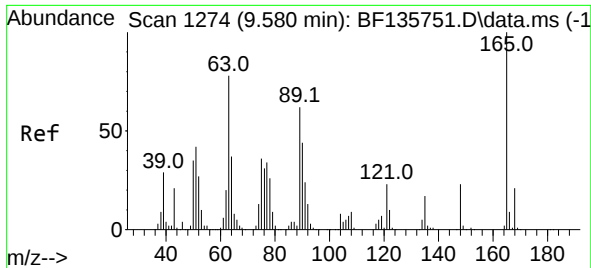
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.9 18.8 28.2

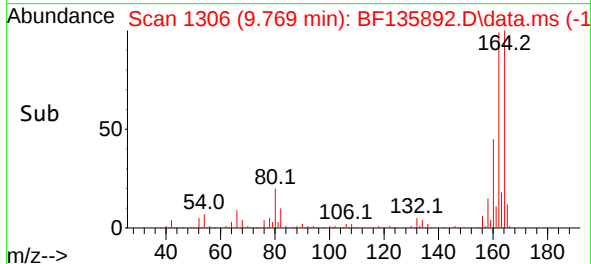
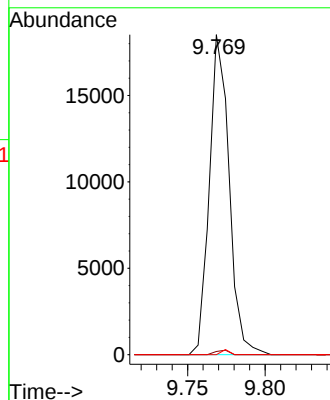
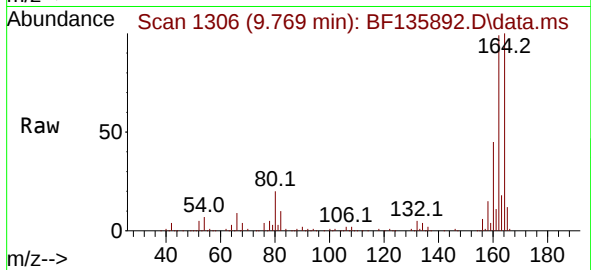




#51
2,6-Dinitrotoluene
Concen: 8.610 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

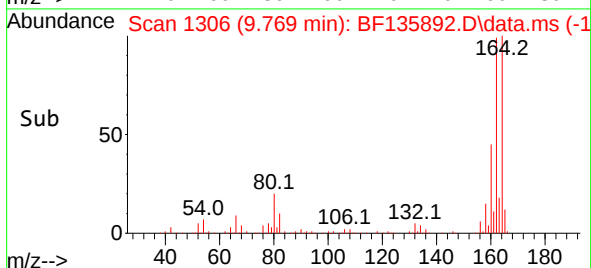
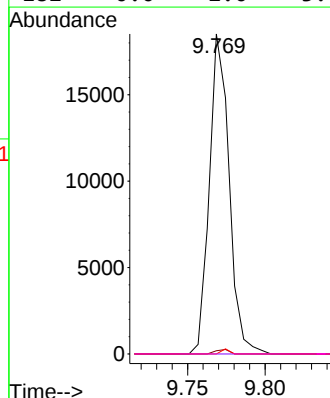
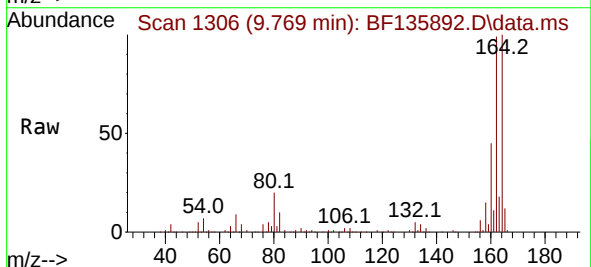
Instrument :
BNA_F
ClientSampleId :
TP-3

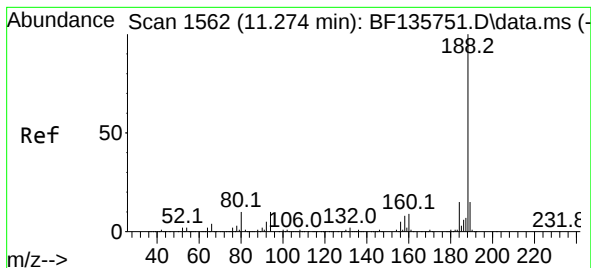
Tgt Ion:165 Resp: 16433
Ion Ratio Lower Upper
165 100
63 1.0 62.2 93.4#
89 0.0 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.768 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.236 min
Lab File: BF135892.D
Acq: 19 Oct 2023 18:12

Tgt Ion:165 Resp: 16433
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.4#
89 0.0 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.268 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

Instrument :

BNA_F

ClientSampleId :

TP-3

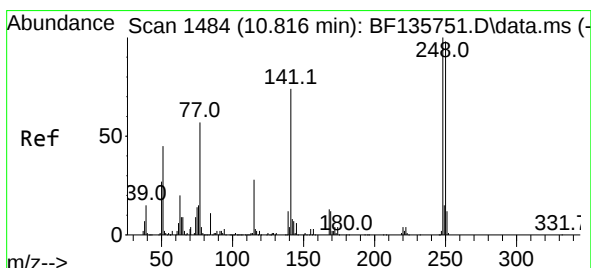
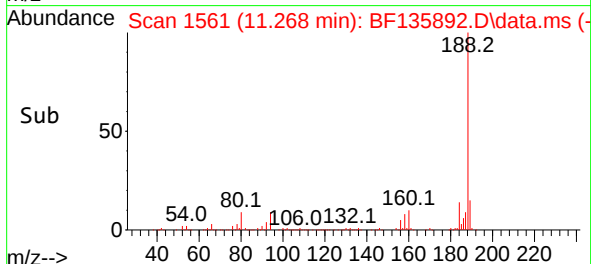
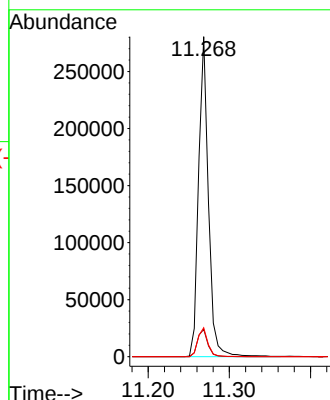
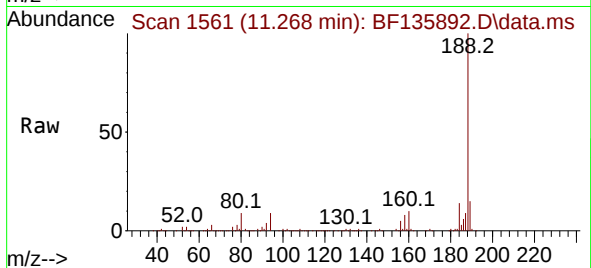
Tgt Ion:188 Resp: 237627

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

80 9.0 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.820 ng

RT: 10.568 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

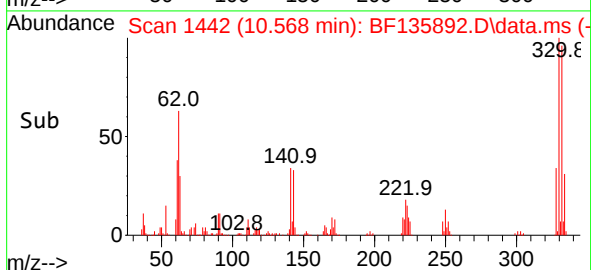
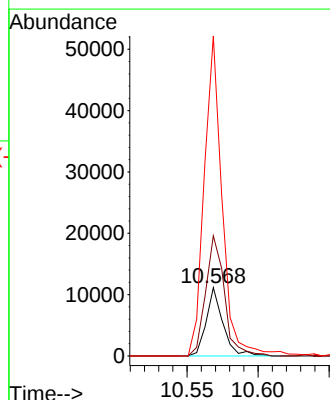
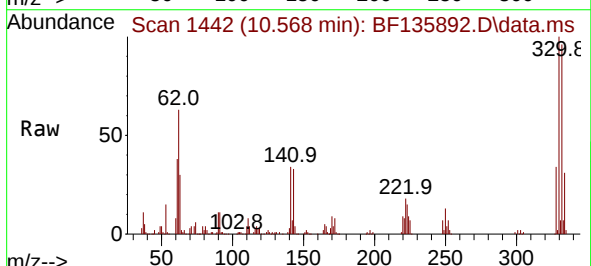
Tgt Ion:248 Resp: 9112

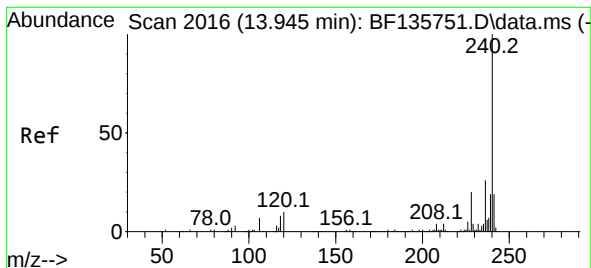
Ion Ratio Lower Upper

248 100

250 176.1 78.0 117.0#

141 468.7 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

Instrument :

BNA_F

ClientSampleId :

TP-3

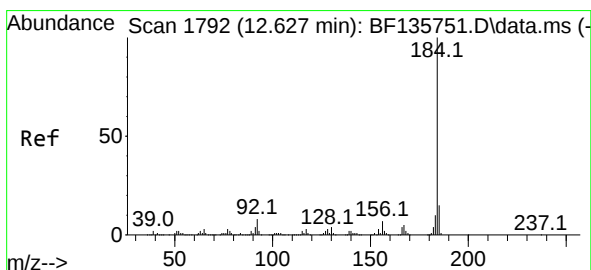
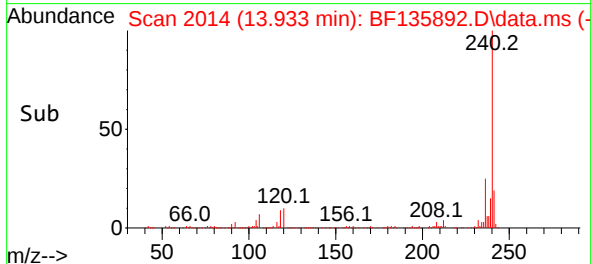
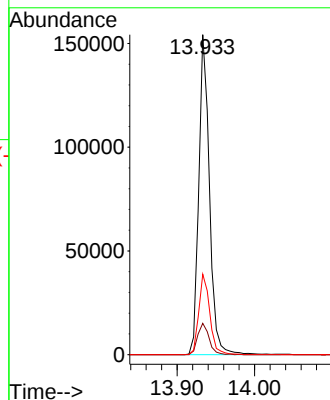
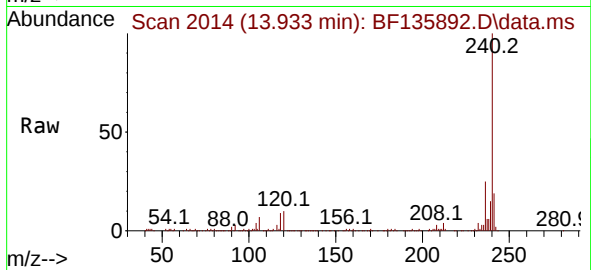
Tgt Ion:240 Resp: 147349

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.1 21.2 31.8



#77

Benzidine

Concen: 2.395 ng

RT: 12.862 min Scan# 1832

Delta R.T. 0.229 min

Lab File: BF135892.D

Acq: 19 Oct 2023 18:12

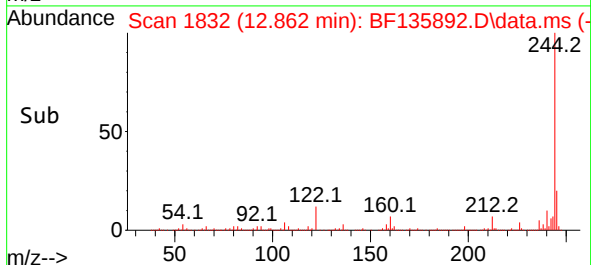
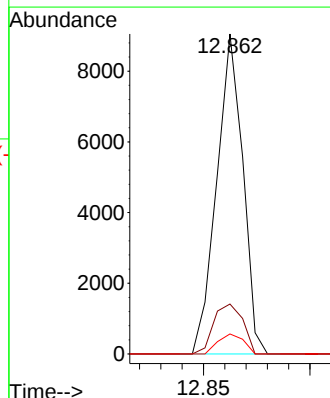
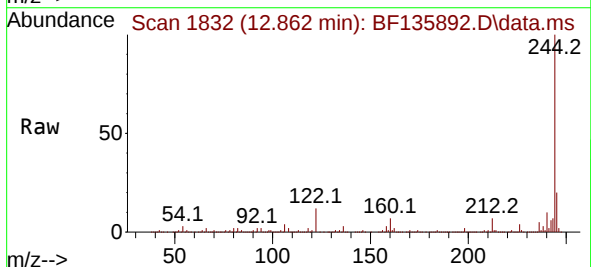
Tgt Ion:184 Resp: 7701

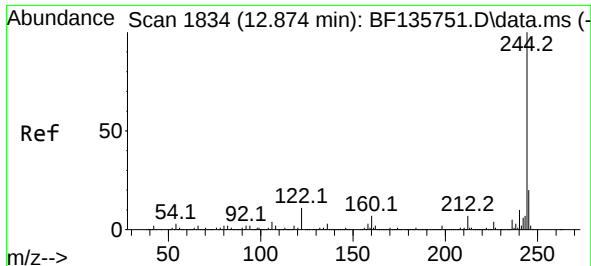
Ion Ratio Lower Upper

184 100

185 15.6 12.0 18.0

183 6.3 8.2 12.2#

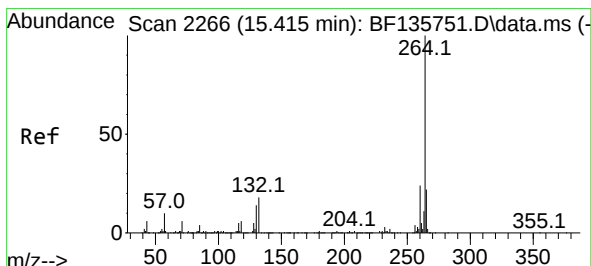
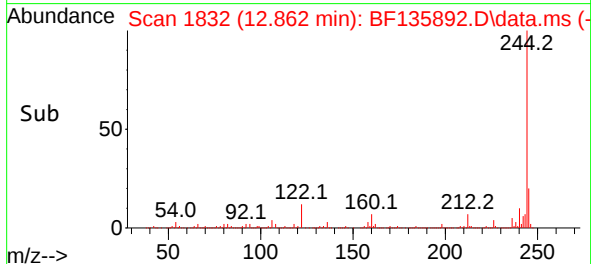
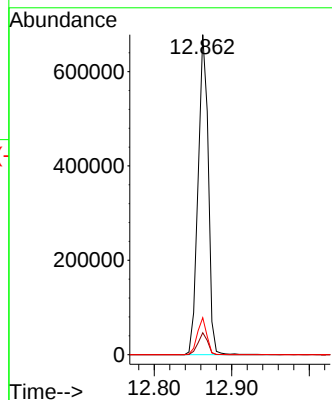
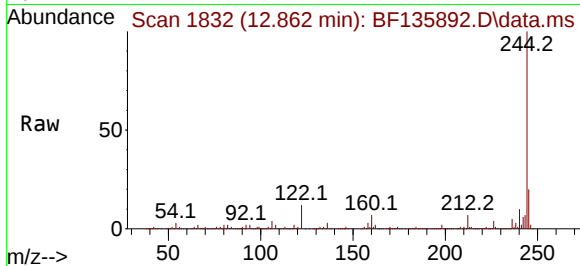




#79
 Terphenyl-d14
 Concen: 77.603 ng
 RT: 12.862 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135892.D
 Acq: 19 Oct 2023 18:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 617459
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.6 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135892.D
 Acq: 19 Oct 2023 18:12

Tgt Ion:264 Resp: 151286
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.2 28.8
 265 20.7 17.4 26.2

