

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135890.D
 Acq On : 19 Oct 2023 17:09
 Operator : CG\JU
 Sample : 04905-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-B4-COMP-101323

Quant Time: Oct 20 01:56:52 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)

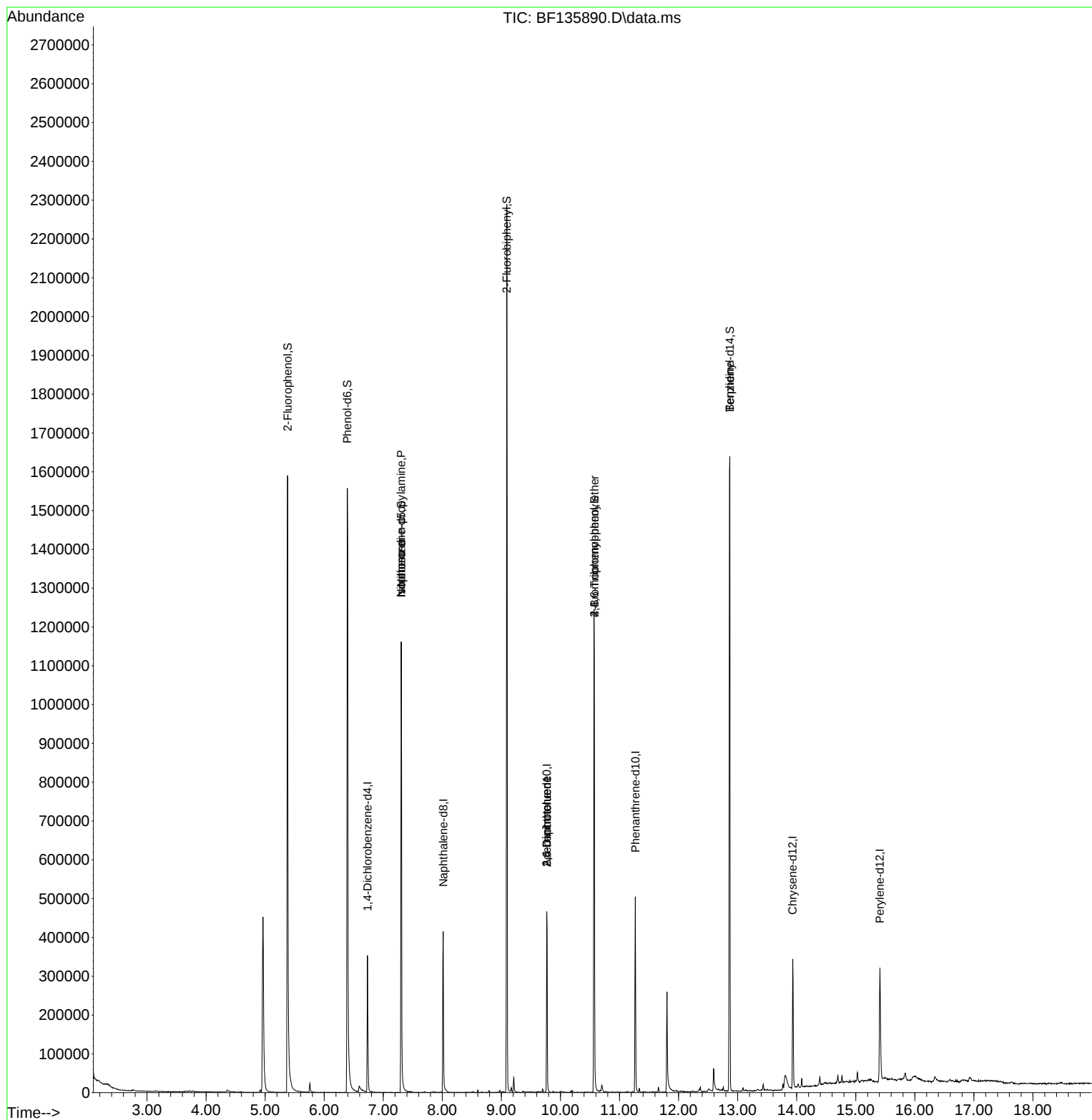
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	49810	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	190887	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	94619	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	182205	20.000	ng	#-0.01
76) Chrysene-d12	13.933	240	118713	20.000	ng	-0.02
86) Perylene-d12	15.410	264	141143	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	452511	146.060	ng	0.00
7) Phenol-d6	6.393	99	561248	145.190	ng	0.00
23) Nitrobenzene-d5	7.304	82	357320	102.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	153423	168.978	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	645525	106.668	ng	-0.01
79) Terphenyl-d14	12.869	244	618236	96.444	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	48212	20.171	ng	# 75
25) Isophorone	7.304	82	357357	54.577	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	11984	8.725	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	11984	6.858	ng	# 25
67) 4-Bromophenyl-phenylether	10.575	248	9301	5.085	ng	# 1
77) Benzidine	12.869	184	7930	3.061	ng	# 96

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

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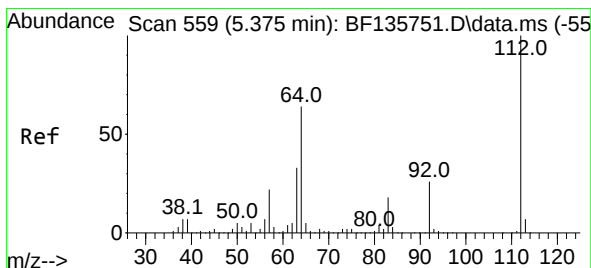
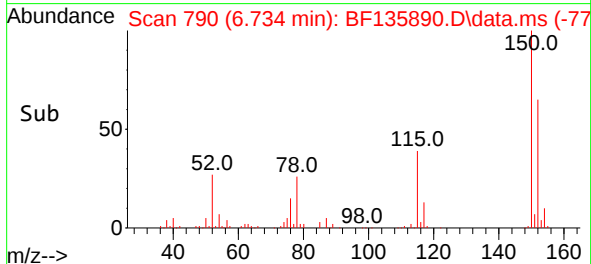
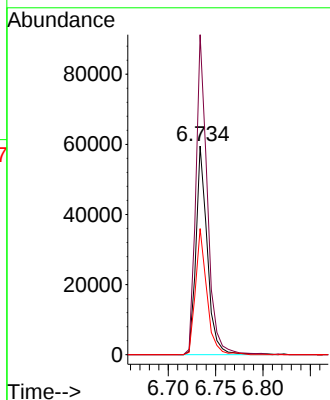
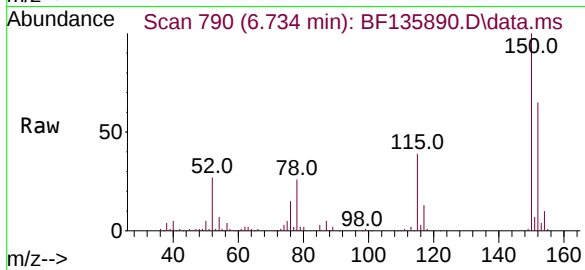




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

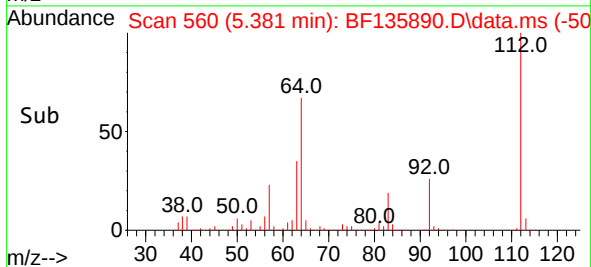
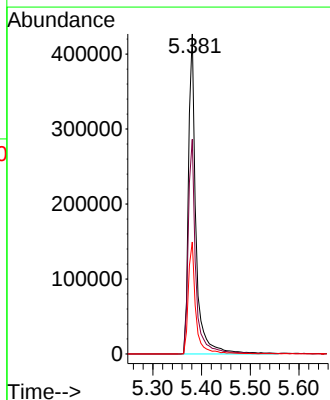
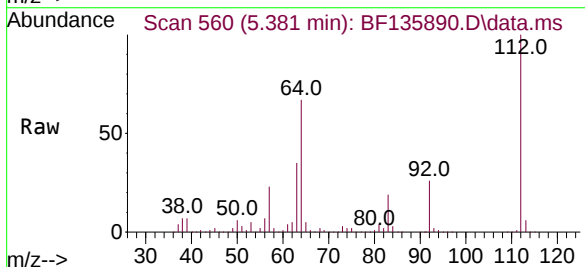
Instrument :
BNA_F
ClientSampleId :
LSS-B4-COMP-101323

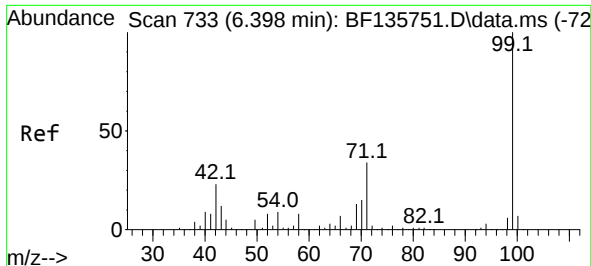
Tgt Ion:152 Resp: 49810
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 60.4 49.0 73.4



#5
2-Fluorophenol
Concen: 146.060 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

Tgt Ion:112 Resp: 452511
Ion Ratio Lower Upper
112 100
64 67.1 51.2 76.8
63 35.0 26.1 39.1

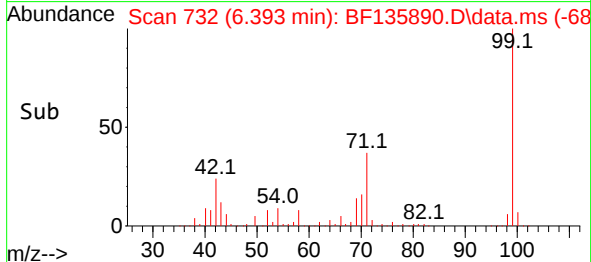
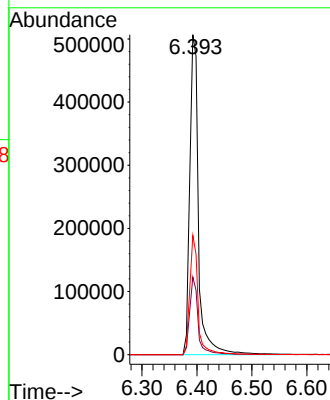
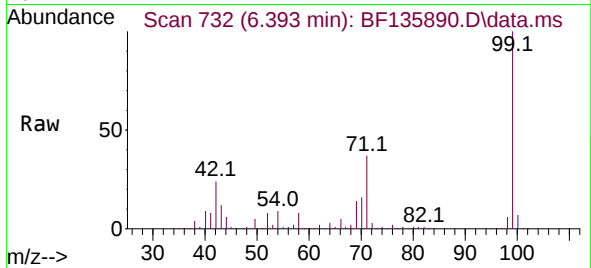




#7
Phenol-d6
Concen: 145.190 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

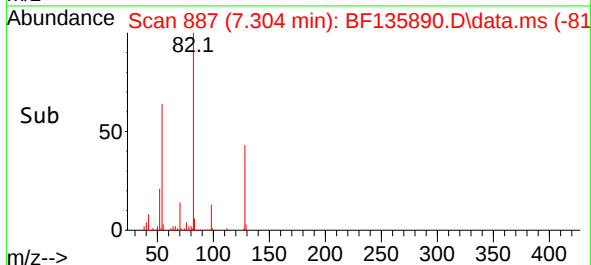
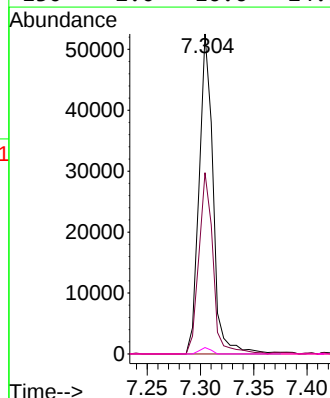
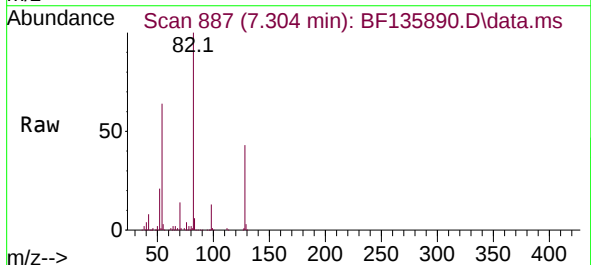
Instrument :
BNA_F
ClientSampleId :
LSS-B4-COMP-101323

Tgt Ion: 99 Resp: 561248
Ion Ratio Lower Upper
99 100
42 24.2 18.4 27.6
71 37.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.171 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

Tgt Ion: 70 Resp: 48212
Ion Ratio Lower Upper
70 100
42 56.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#



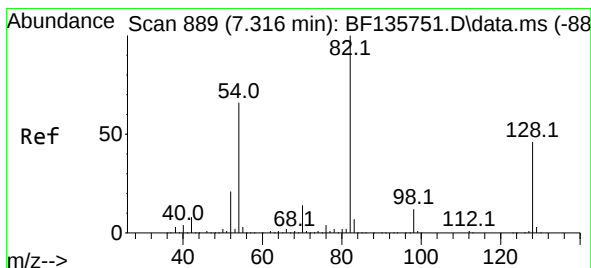
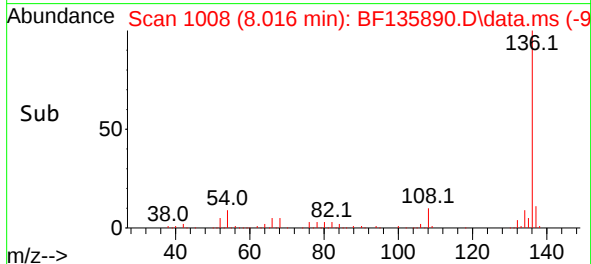
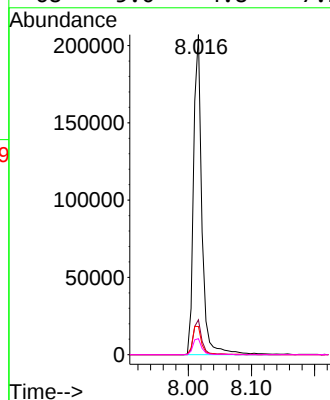
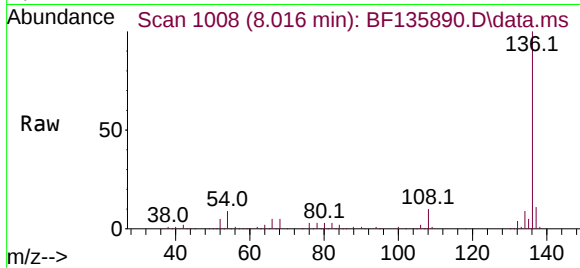


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

Instrument :
BNA_F
ClientSampleId :
LSS-B4-COMP-101323

Tgt Ion:136 Resp: 190887

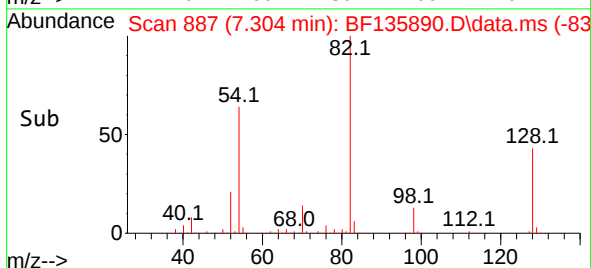
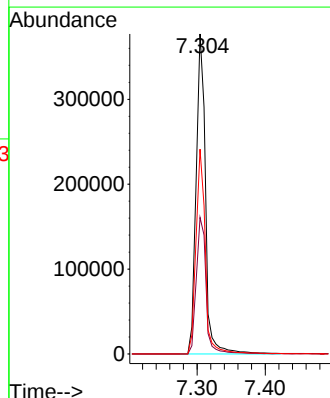
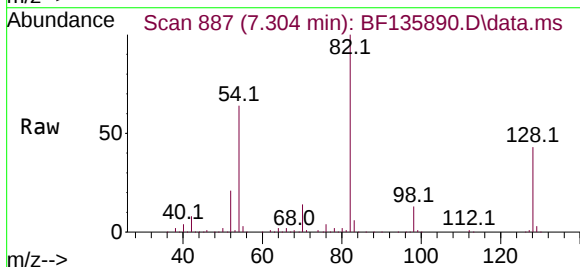
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.8	8.5	12.7
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 102.953 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

Tgt Ion: 82 Resp: 357320

Ion	Ratio	Lower	Upper
82	100		
128	42.7	37.0	55.6
54	64.0	52.8	79.2

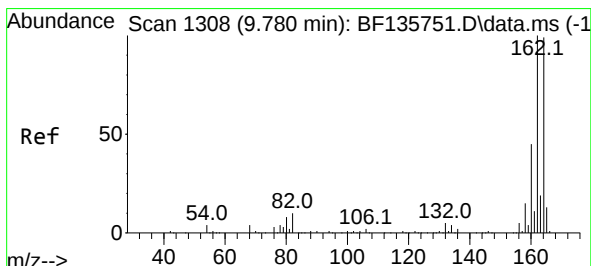
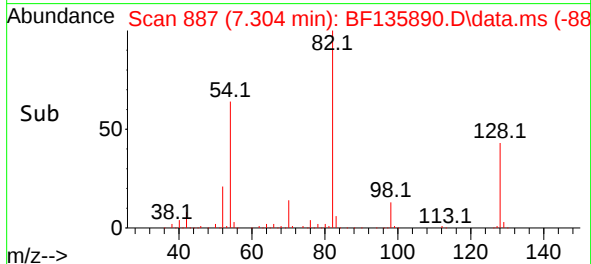
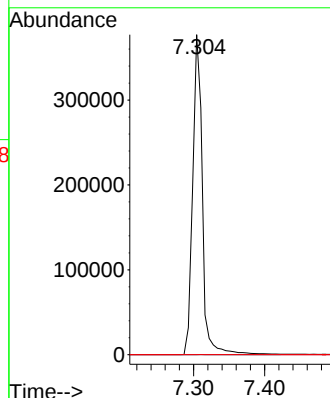
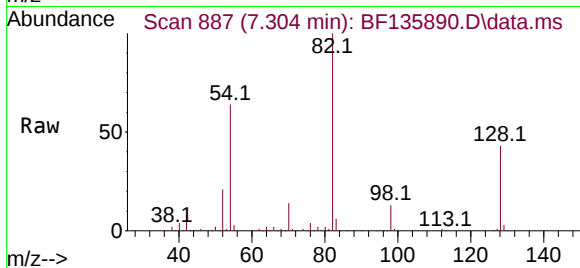




#25
Isophorone
Concen: 54.577 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

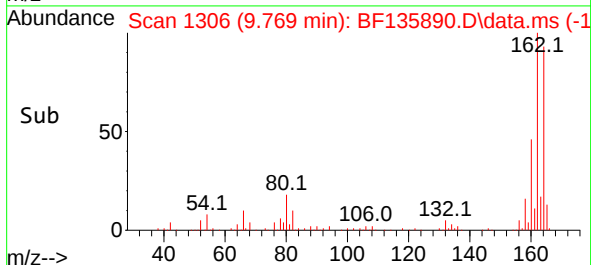
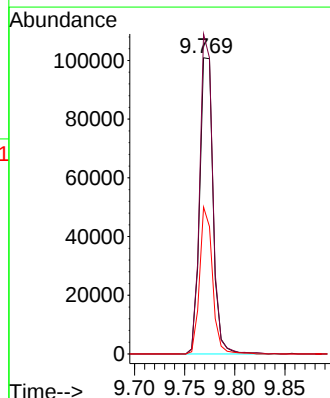
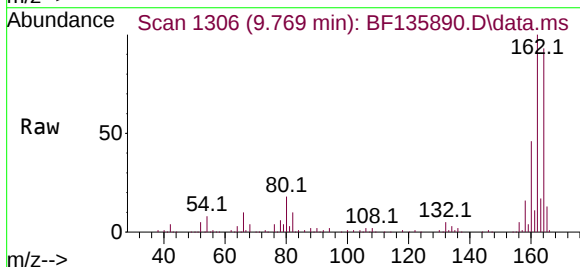
Instrument :
BNA_F
ClientSampleId :
LSS-B4-COMP-101323

Tgt Ion: 82 Resp: 357357
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: BF135890.D
Acq: 19 Oct 2023 17:09

Tgt Ion:164 Resp: 94619
Ion Ratio Lower Upper
164 100
162 108.1 80.8 121.2
160 49.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 168.978 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135890.D

Acq: 19 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

LSS-B4-COMP-101323

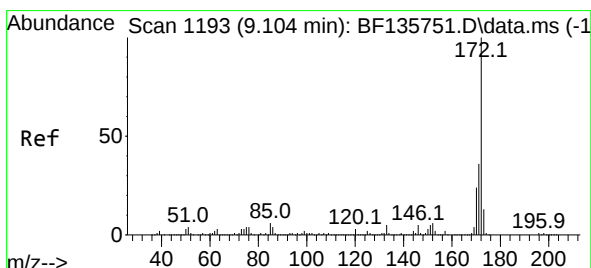
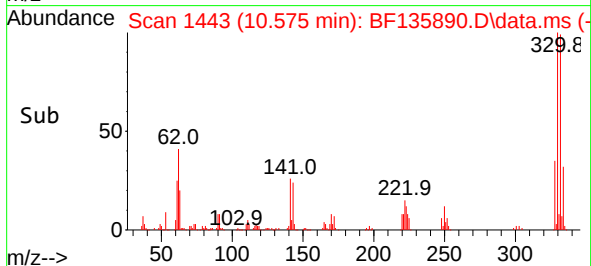
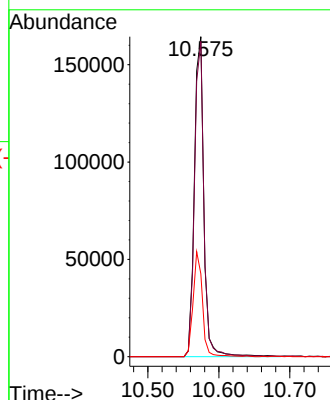
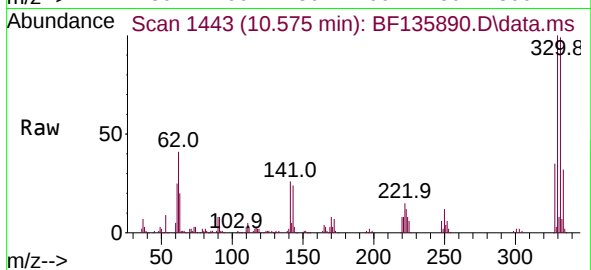
Tgt Ion:330 Resp: 153423

Ion Ratio Lower Upper

330 100

332 97.2 75.0 112.4

141 32.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 106.668 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135890.D

Acq: 19 Oct 2023 17:09

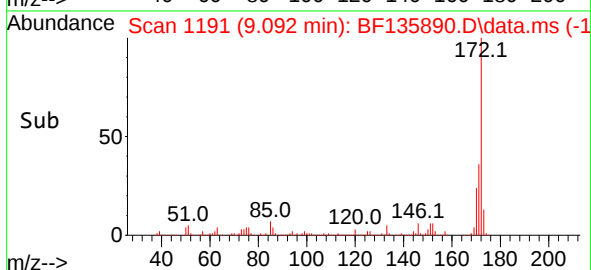
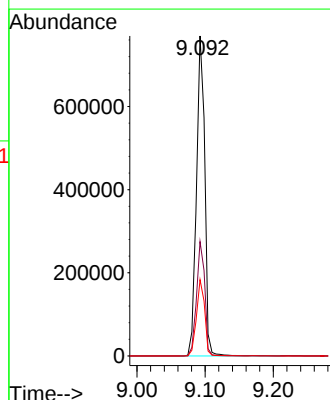
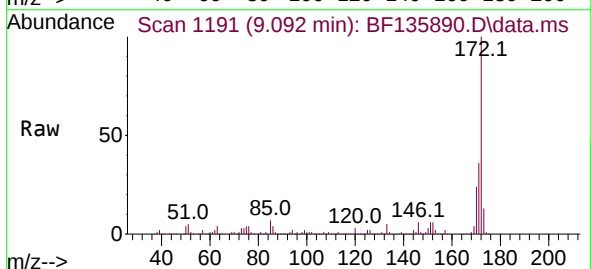
Tgt Ion:172 Resp: 645525

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.9 18.8 28.2

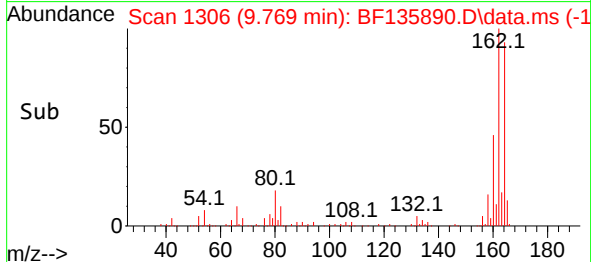
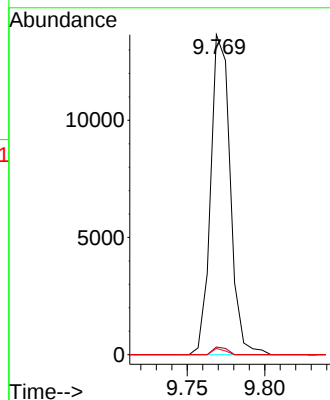
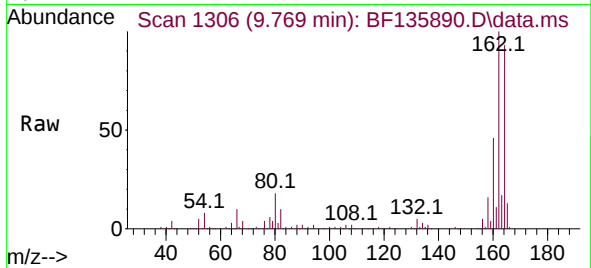




#51
2,6-Dinitrotoluene
Concen: 8.725 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

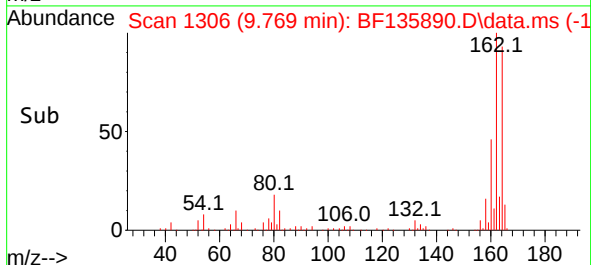
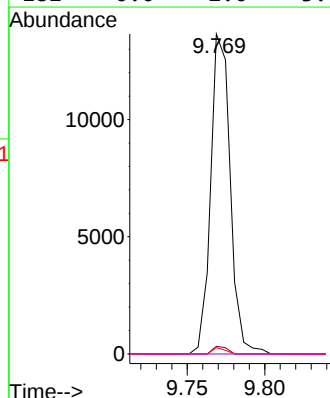
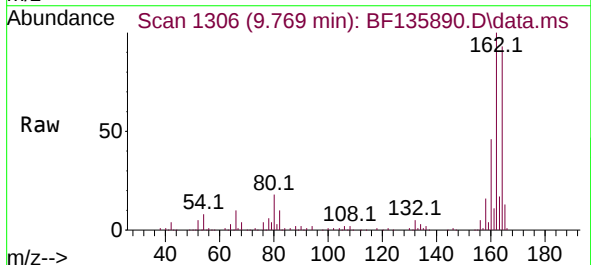
Instrument :
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LSS-B4-COMP-101323

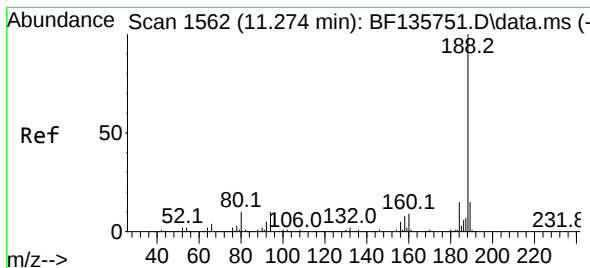
Tgt Ion:165 Resp: 11984
Ion Ratio Lower Upper
165 100
63 2.4 62.2 93.4#
89 2.0 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.858 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.235 min
Lab File: BF135890.D
Acq: 19 Oct 2023 17:09

Tgt Ion:165 Resp: 11984
Ion Ratio Lower Upper
165 100
63 2.4 39.0 58.4#
89 2.0 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135890.D

Acq: 19 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

LSS-B4-COMP-101323

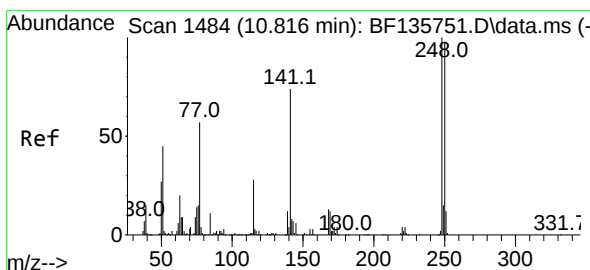
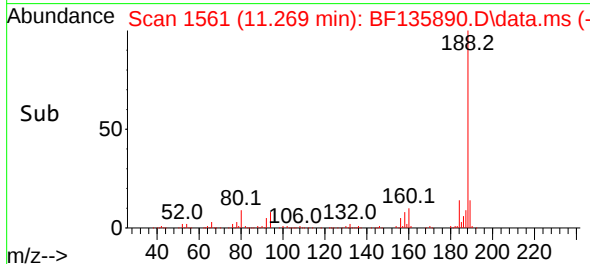
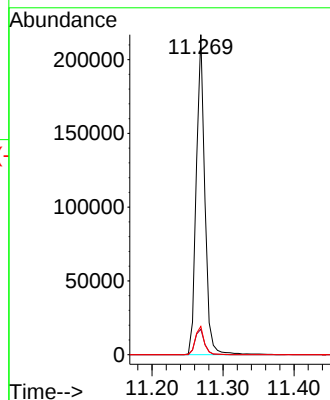
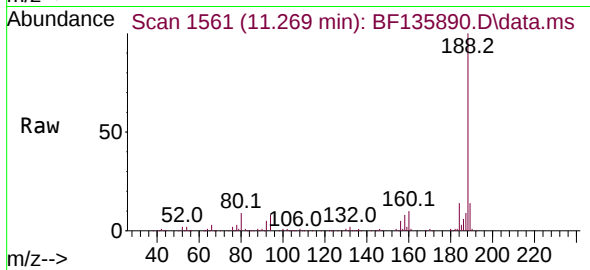
Tgt Ion:188 Resp: 182205

Ion Ratio Lower Upper

188 100

94 8.0 8.0 12.0#

80 8.9 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 5.085 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135890.D

Acq: 19 Oct 2023 17:09

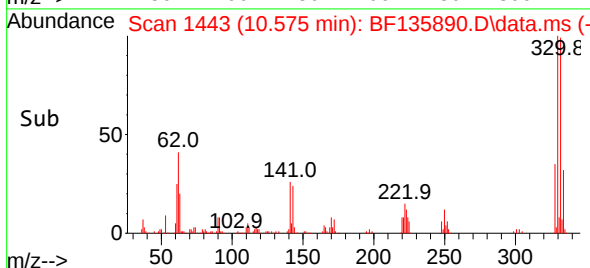
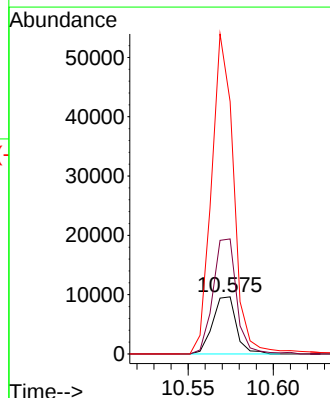
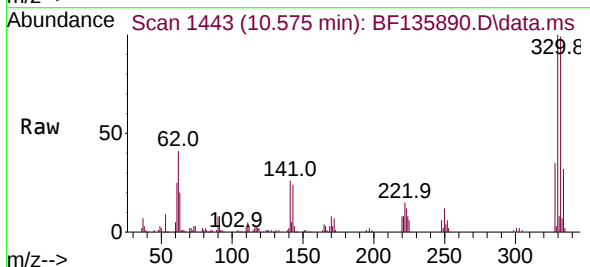
Tgt Ion:248 Resp: 9301

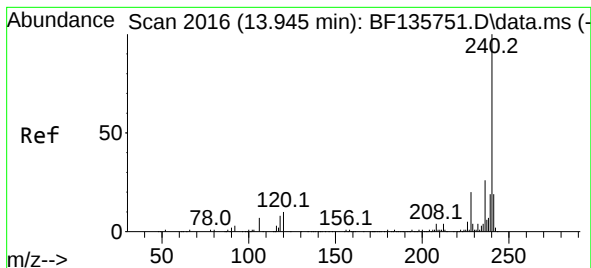
Ion Ratio Lower Upper

248 100

250 201.6 78.0 117.0#

141 442.0 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: BF135890.D

Acq: 19 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

LSS-B4-COMP-101323

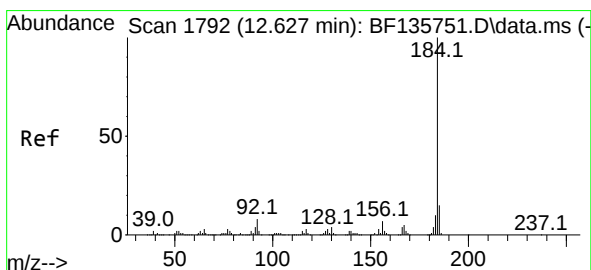
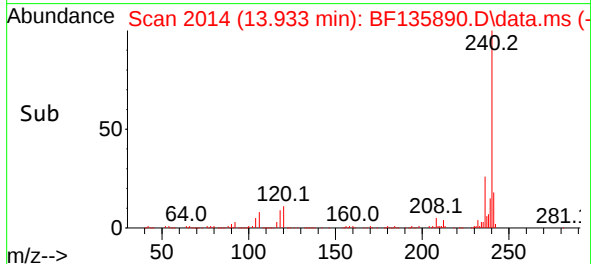
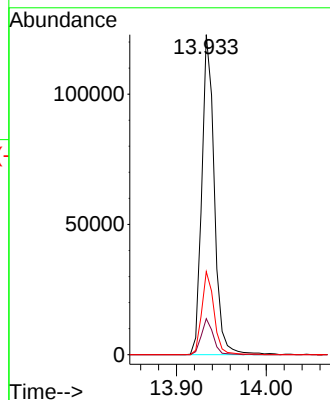
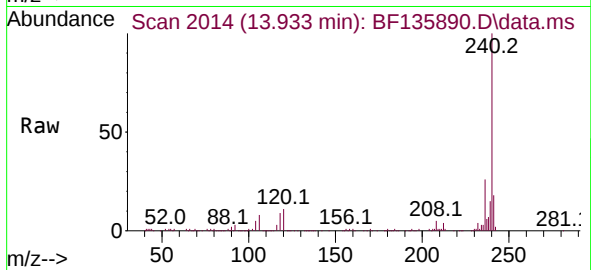
Tgt Ion:240 Resp: 118713

Ion Ratio Lower Upper

240 100

120 11.2 8.2 12.2

236 25.9 21.2 31.8



#77

Benzidine

Concen: 3.061 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135890.D

Acq: 19 Oct 2023 17:09

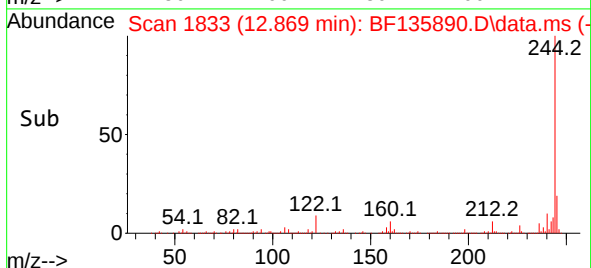
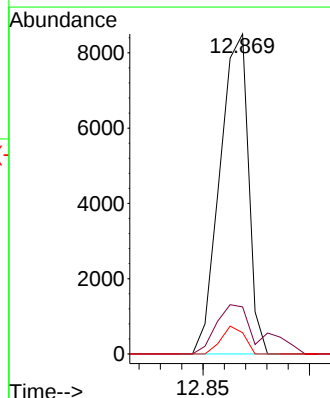
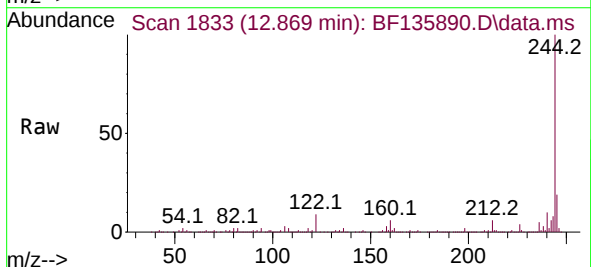
Tgt Ion:184 Resp: 7930

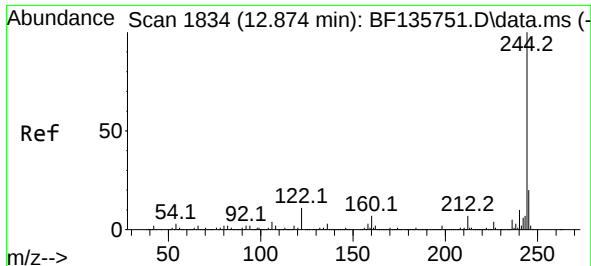
Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

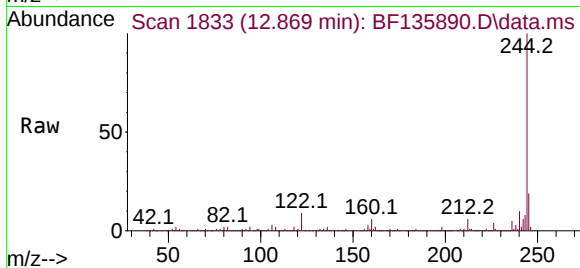
183 6.6 8.2 12.2#



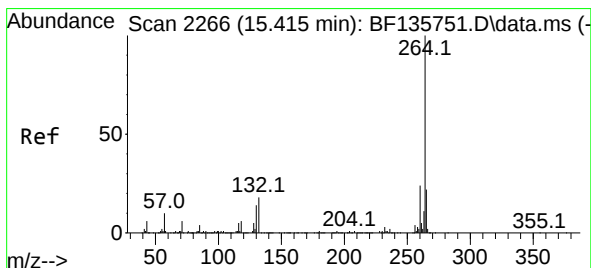
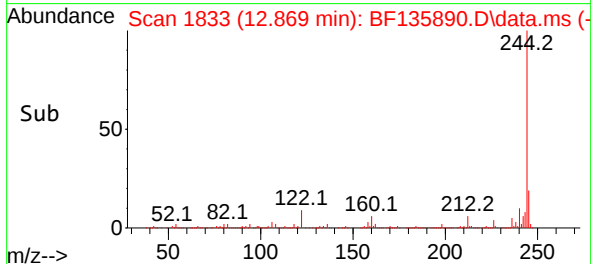
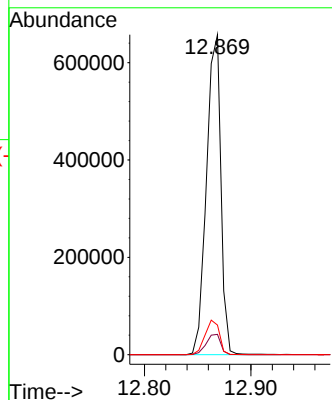


#79
 Terphenyl-d14
 Concen: 96.444 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135890.D
 Acq: 19 Oct 2023 17:09

Instrument :
 BNA_F
 ClientSampleId :
 LSS-B4-COMP-101323



Tgt Ion:244 Resp: 618236
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 9.2 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135890.D
 Acq: 19 Oct 2023 17:09

Tgt Ion:264 Resp: 141143
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.5 17.4 26.2

