

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135882.D
 Acq On : 19 Oct 2023 12:58
 Operator : CG\JU
 Sample : 04908-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 19 13:18:46 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)

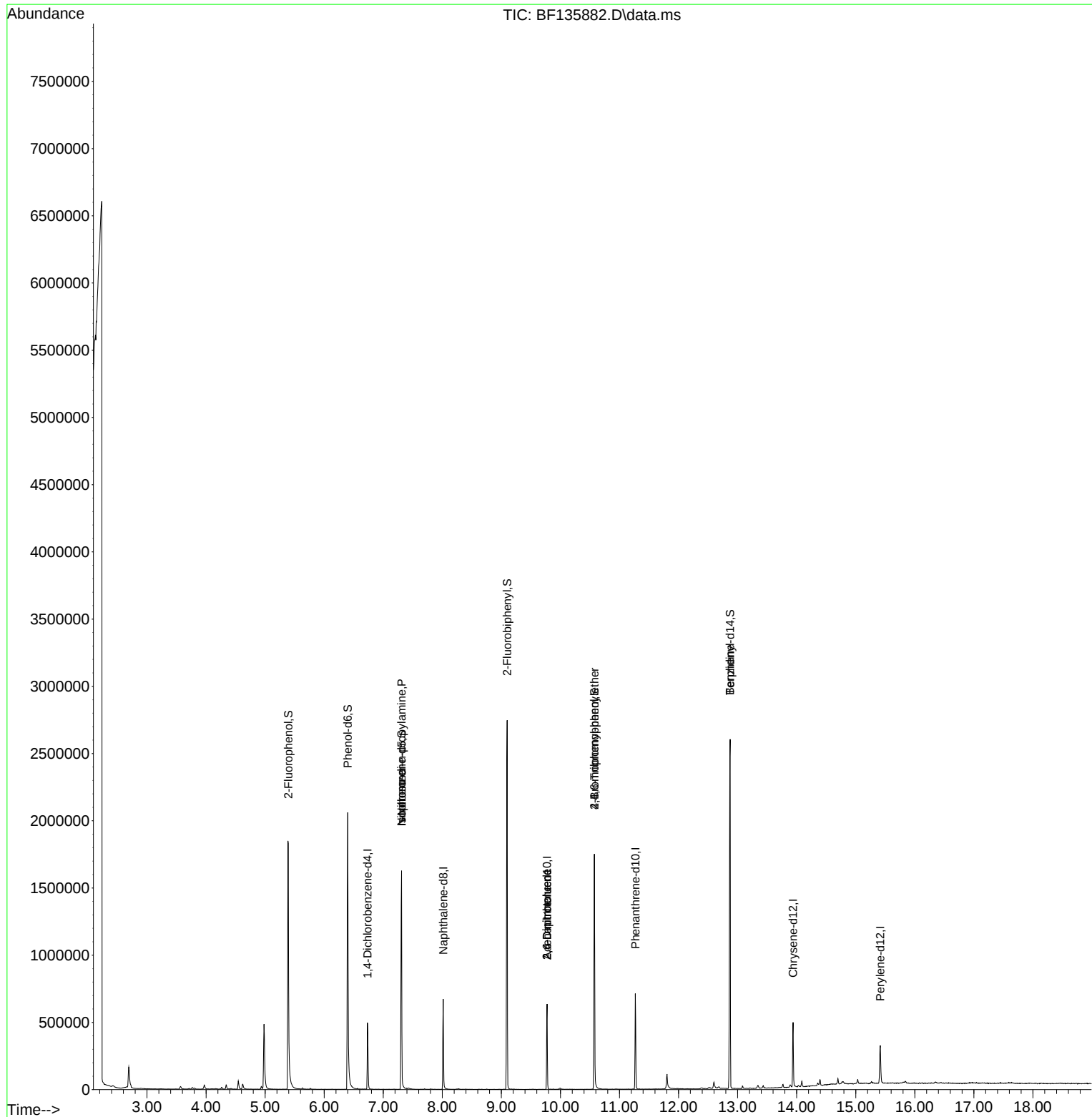
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	75143	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	281074	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	123625	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	255184	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	164927	20.000	ng	-0.01
86) Perylene-d12	15.415	264	134395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	607473	129.974	ng	0.02
7) Phenol-d6	6.398	99	708325	121.463	ng	0.00
23) Nitrobenzene-d5	7.310	82	512965	100.375	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	213422	179.908	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	860984	108.890	ng	0.00
79) Terphenyl-d14	12.874	244	1022171	114.776	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	69057	19.152	ng	# 73
25) Isophorone	7.310	82	512960	53.204	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	16044	8.940	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	16044	7.027	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	13520	5.278	ng	# 1
77) Benzidine	12.874	184	13051	3.626	ng	# 95

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

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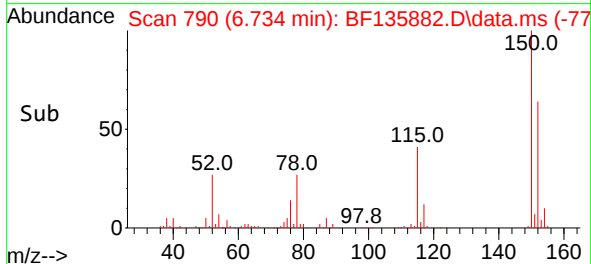
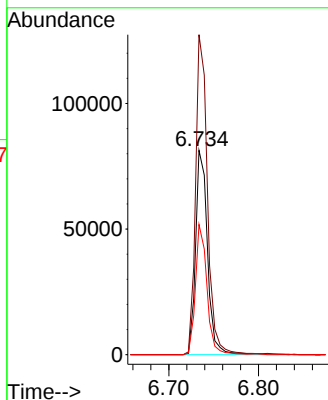
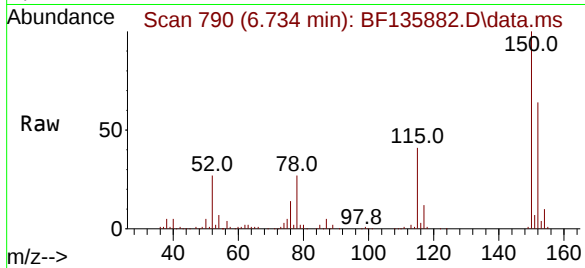




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135882.D
 Acq: 19 Oct 2023 12:58

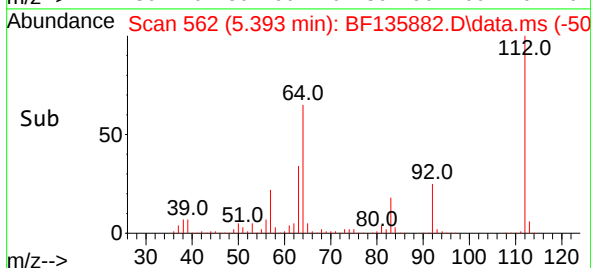
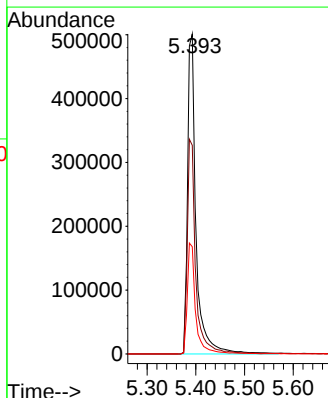
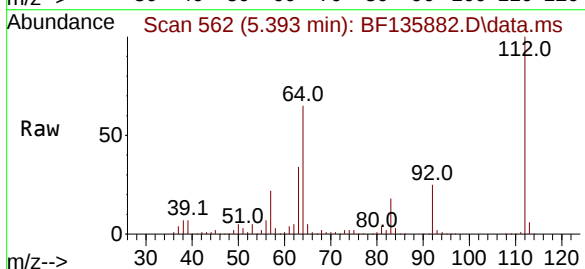
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

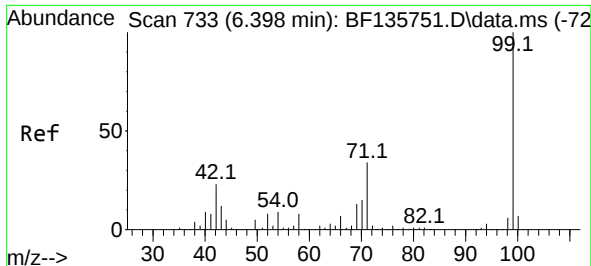
Tgt Ion:152 Resp: 75143
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.5 186.7
 115 63.8 49.0 73.4



#5
 2-Fluorophenol
 Concen: 129.974 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.018 min
 Lab File: BF135882.D
 Acq: 19 Oct 2023 12:58

Tgt Ion:112 Resp: 607473
 Ion Ratio Lower Upper
 112 100
 64 65.2 51.2 76.8
 63 33.5 26.1 39.1

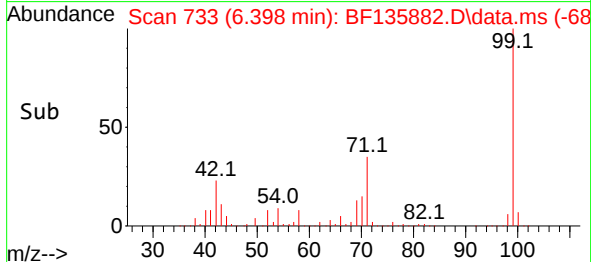
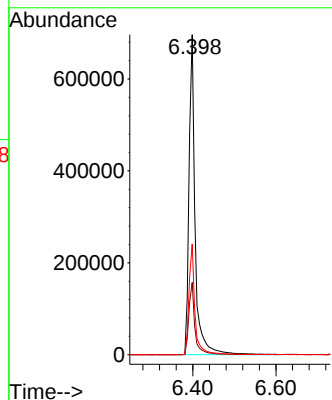
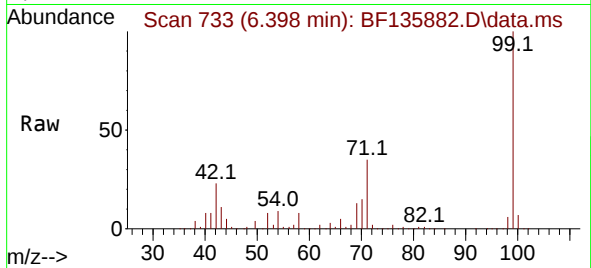




#7
Phenol-d6
Concen: 121.463 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

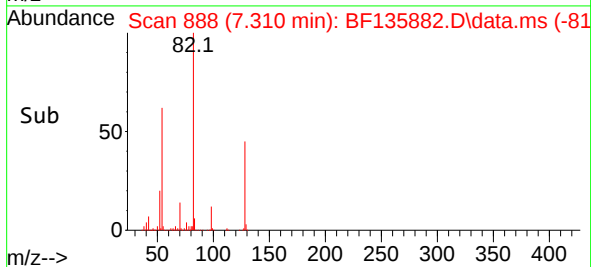
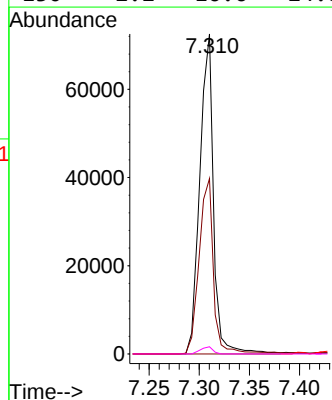
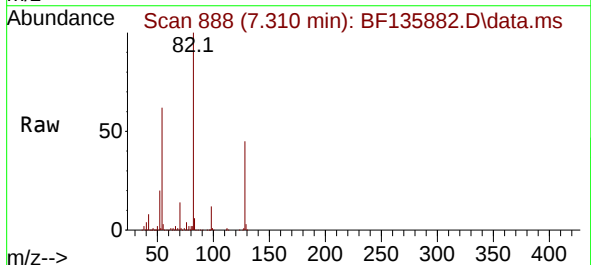
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 708325
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 34.5 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.152 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

Tgt Ion: 70 Resp: 69057
Ion Ratio Lower Upper
70 100
42 54.8 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



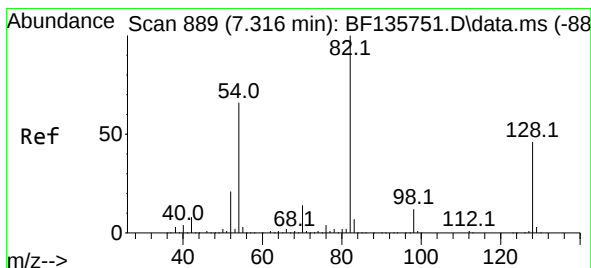
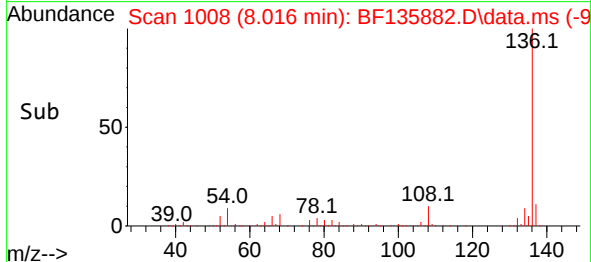
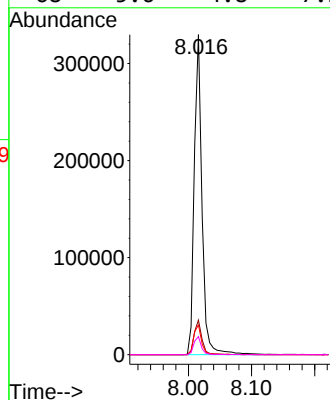
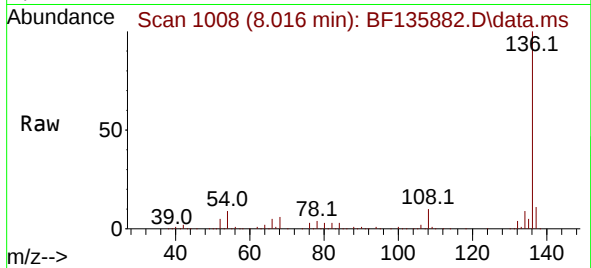


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 281074

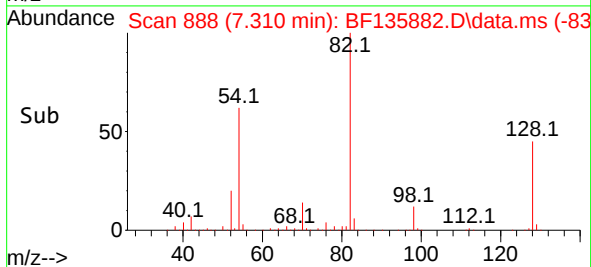
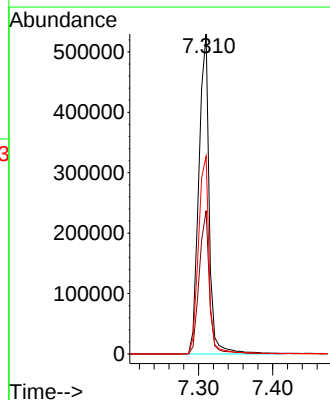
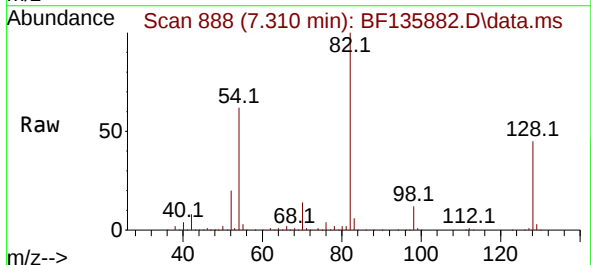
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.3	8.5	12.7
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 100.375 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

Tgt Ion: 82 Resp: 512965

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.0	55.6
54	61.8	52.8	79.2

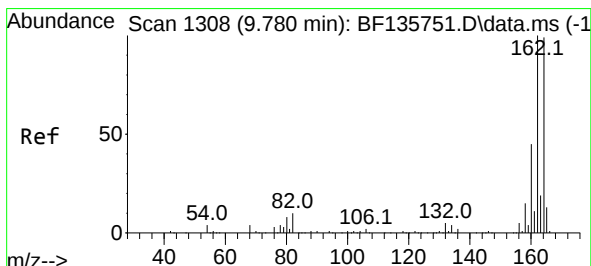
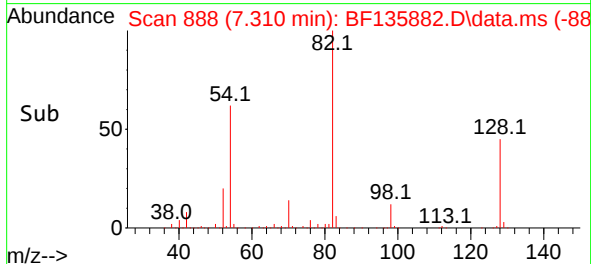
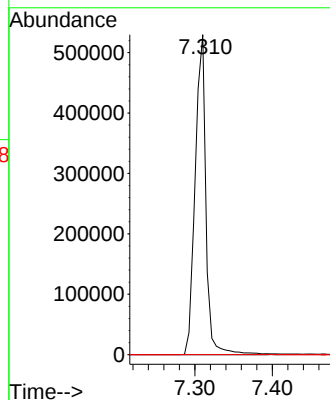
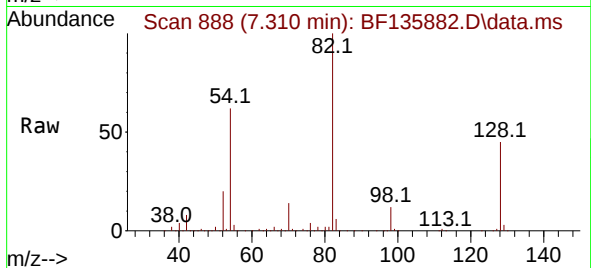




#25
Isophorone
Concen: 53.204 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

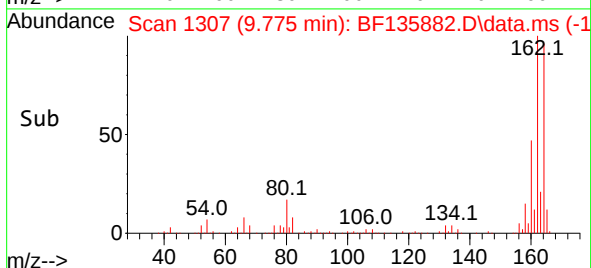
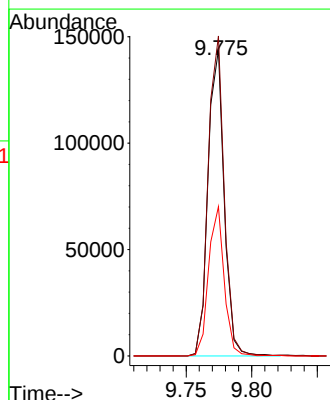
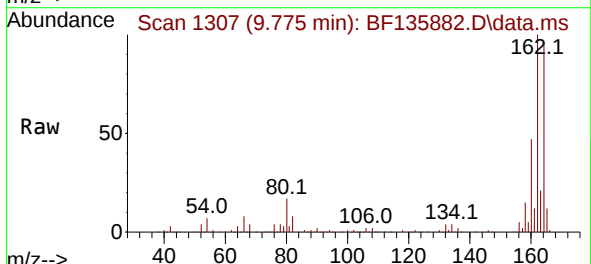
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 512960
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: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

Tgt Ion:164 Resp: 123625
Ion Ratio Lower Upper
164 100
162 104.5 80.8 121.2
160 48.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 179.908 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135882.D

Acq: 19 Oct 2023 12:58

Instrument :

BNA_F

ClientSampleId :

TP-1

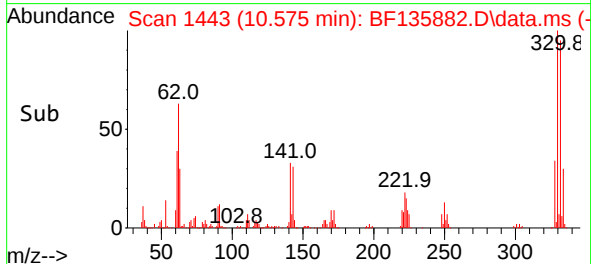
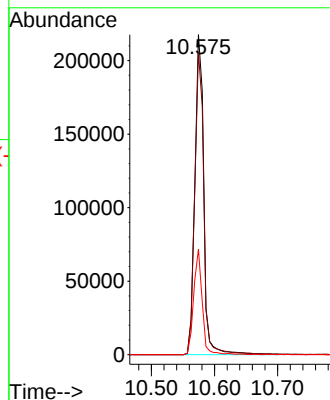
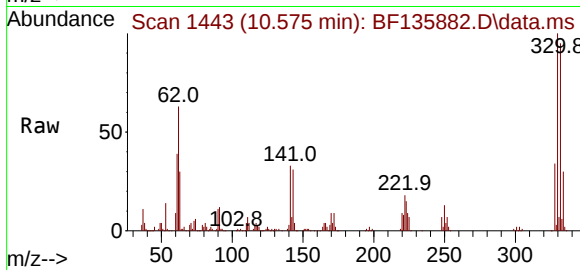
Tgt Ion:330 Resp: 213422

Ion Ratio Lower Upper

330 100

332 95.4 75.0 112.4

141 31.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 108.890 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135882.D

Acq: 19 Oct 2023 12:58

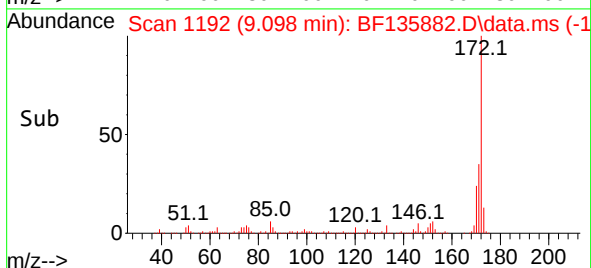
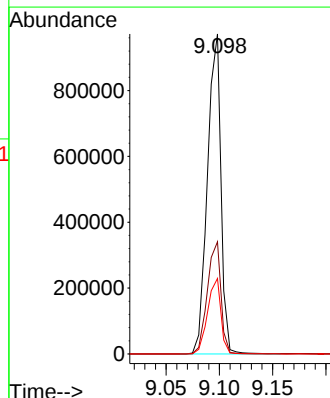
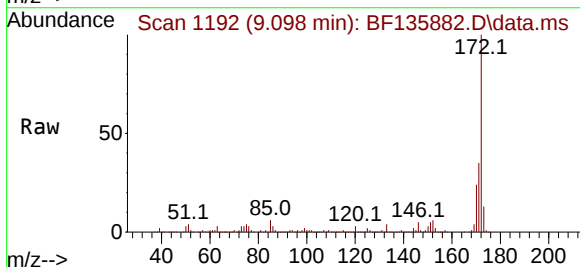
Tgt Ion:172 Resp: 860984

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.6 18.8 28.2

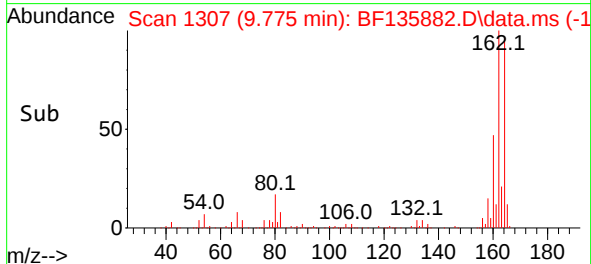
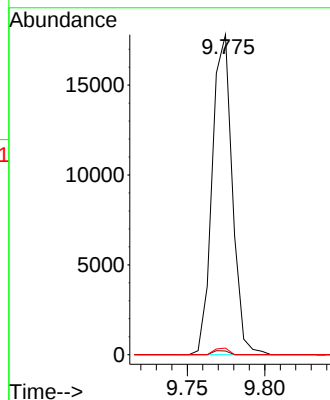
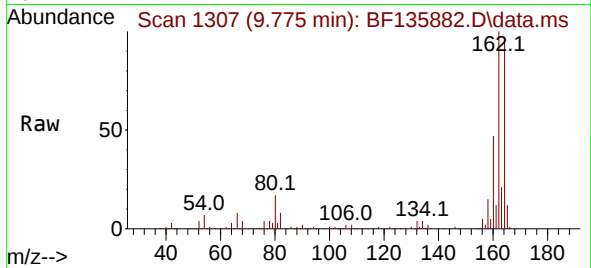




#51
2,6-Dinitrotoluene
Concen: 8.940 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

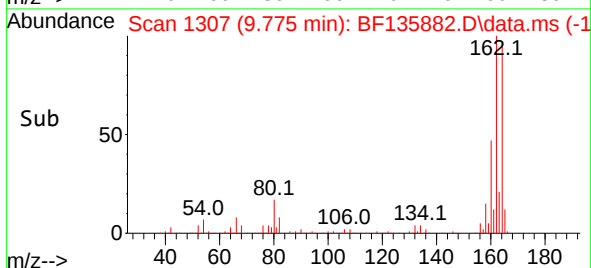
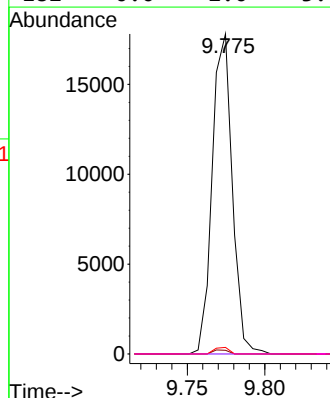
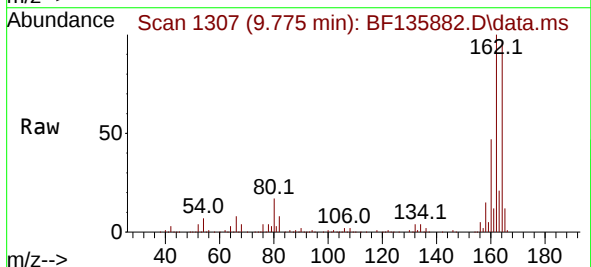
Instrument :
BNA_F
ClientSampleId :
TP-1

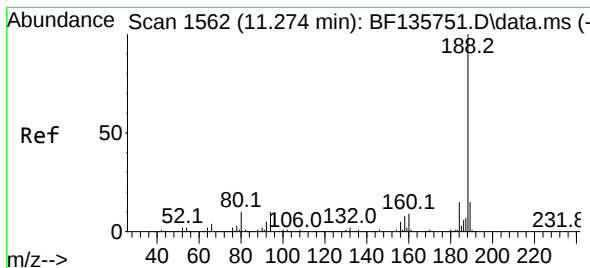
Tgt Ion:165 Resp: 16044
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 2.0 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 7.027 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135882.D
Acq: 19 Oct 2023 12:58

Tgt Ion:165 Resp: 16044
Ion Ratio Lower Upper
165 100
63 1.2 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: BF135882.D

Acq: 19 Oct 2023 12:58

Instrument :

BNA_F

ClientSampleId :

TP-1

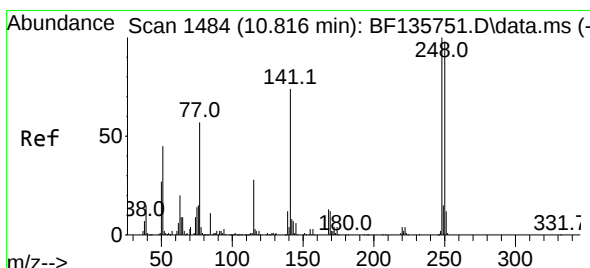
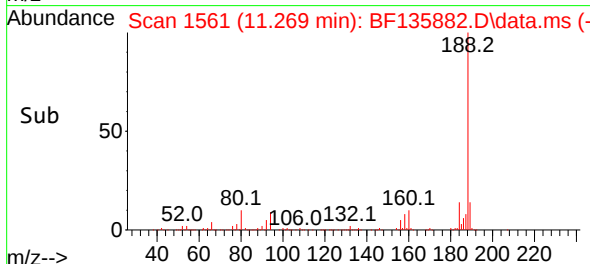
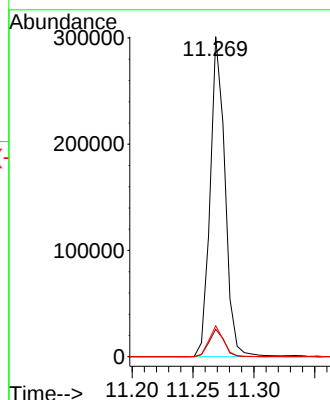
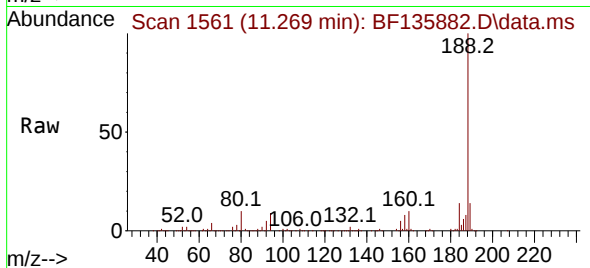
Tgt Ion:188 Resp: 255184

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

80 9.7 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 5.278 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135882.D

Acq: 19 Oct 2023 12:58

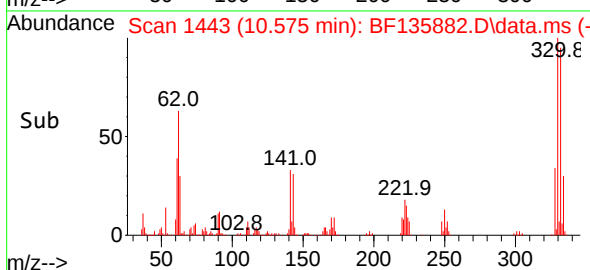
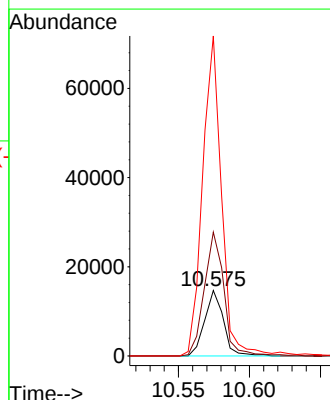
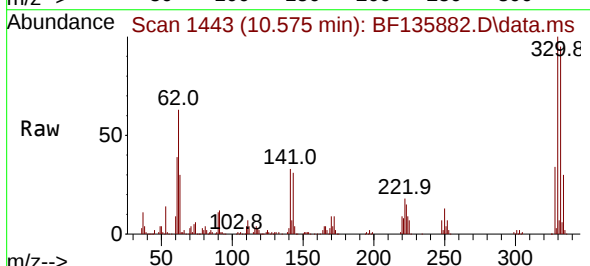
Tgt Ion:248 Resp: 13520

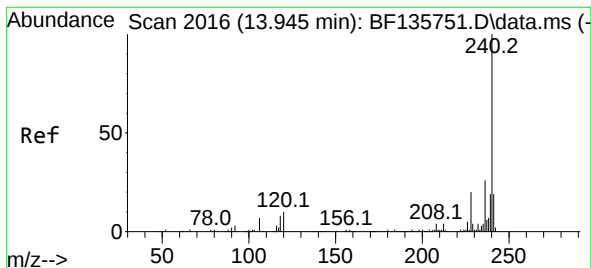
Ion Ratio Lower Upper

248 100

250 189.0 78.0 117.0#

141 488.5 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135882.D

Acq: 19 Oct 2023 12:58

Instrument :

BNA_F

ClientSampleId :

TP-1

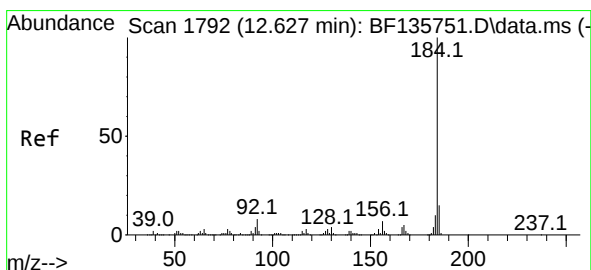
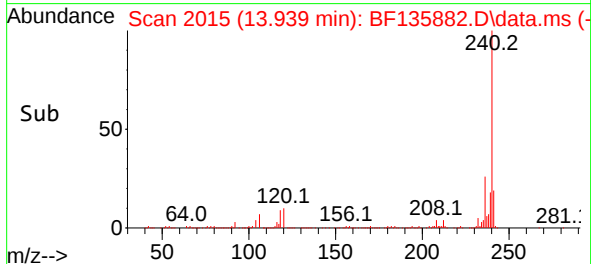
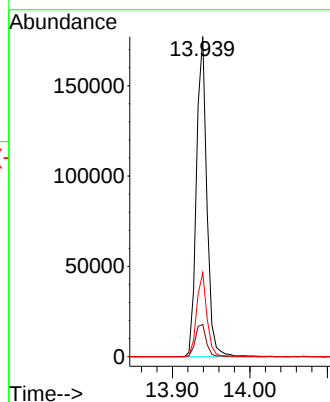
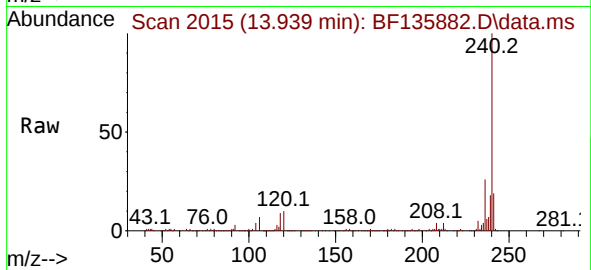
Tgt Ion:240 Resp: 164927

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 26.3 21.2 31.8



#77

Benzidine

Concen: 3.626 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.241 min

Lab File: BF135882.D

Acq: 19 Oct 2023 12:58

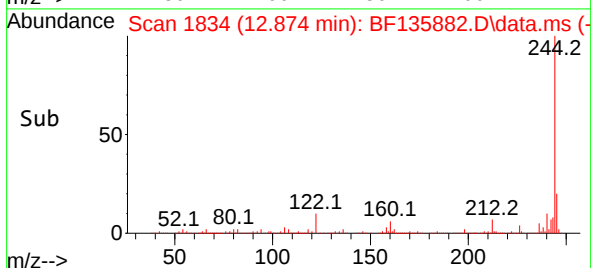
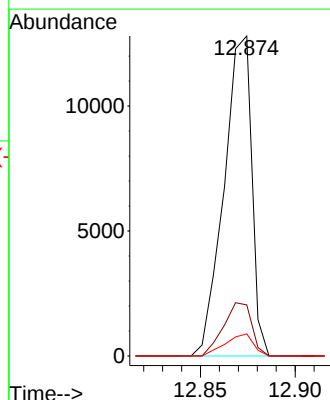
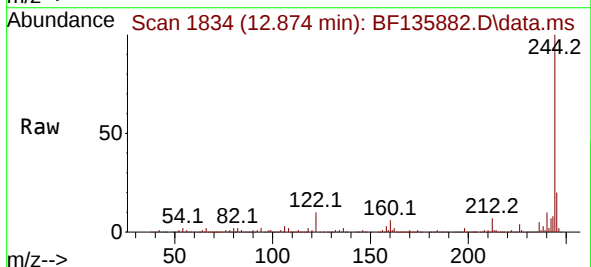
Tgt Ion:184 Resp: 13051

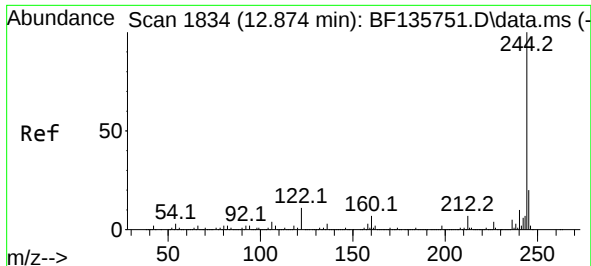
Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 6.9 8.2 12.2#

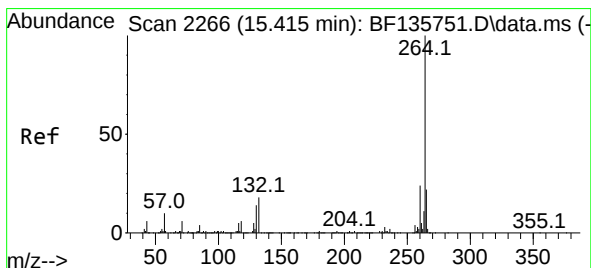
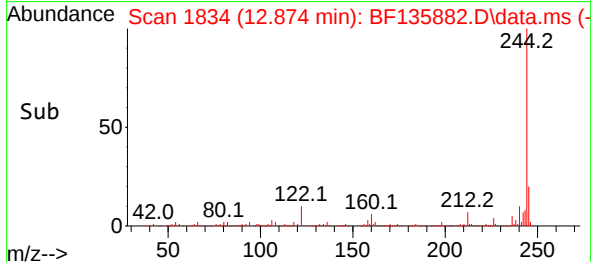
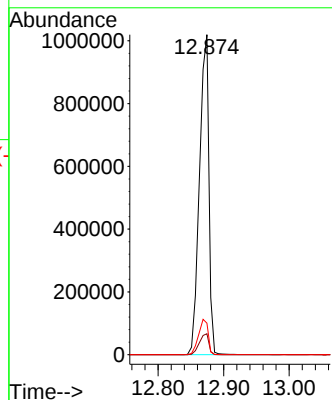
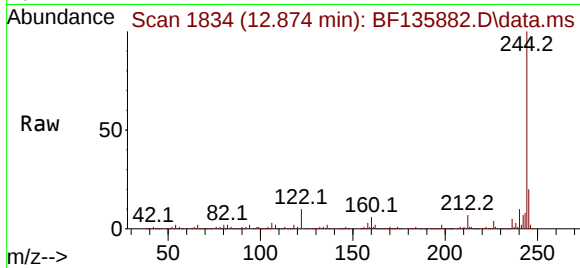




#79
 Terphenyl-d14
 Concen: 114.776 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF135882.D
 Acq: 19 Oct 2023 12:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 1022171
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.9 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF135882.D
 Acq: 19 Oct 2023 12:58

Tgt Ion:264 Resp: 134395
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 19.8 17.4 26.2

