

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135399.D
 Acq On : 22 Sep 2023 14:10
 Operator : CG\JU
 Sample : 04501-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Sep 23 04:41:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

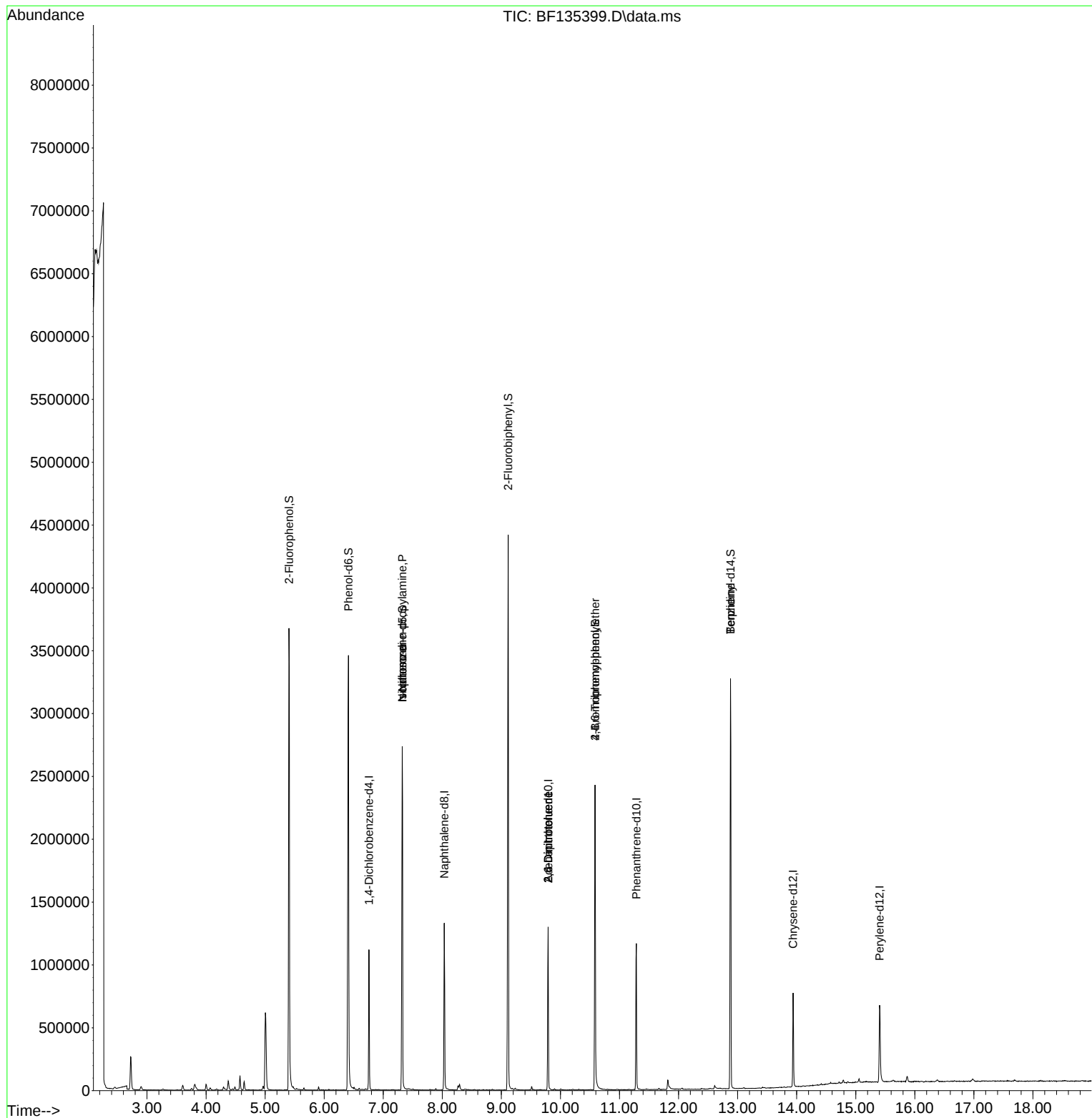
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	147082	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	541495	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	256995	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	435833	20.000	ng	0.00
76) Chrysene-d12	13.939	240	246108	20.000	ng	0.00
86) Perylene-d12	15.404	264	311269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1106075	122.311	ng	0.02
7) Phenol-d6	6.410	99	1313831	114.257	ng	0.00
23) Nitrobenzene-d5	7.322	82	936040	93.915	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	294261	115.220	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1481023	86.945	ng	-0.01
79) Terphenyl-d14	12.880	244	1245485	78.451	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	124171	17.434	ng	# 81
25) Isophorone	7.322	82	936172	51.152	ng	# 65
51) 2,6-Dinitrotoluene	9.792	165	33765	8.871	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	33765	7.086	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	18585	4.288	ng	# 1
77) Benzidine	12.880	184	15894	3.152	ng	# 93

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

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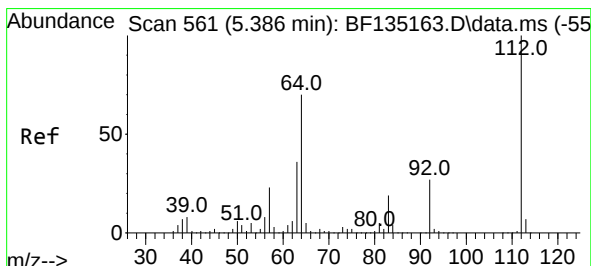
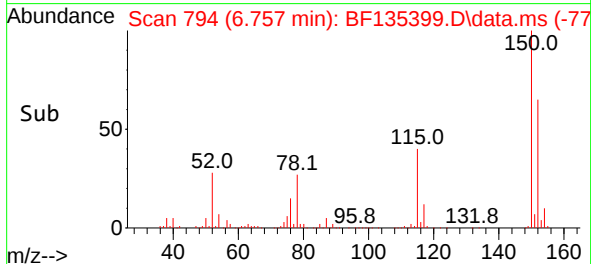
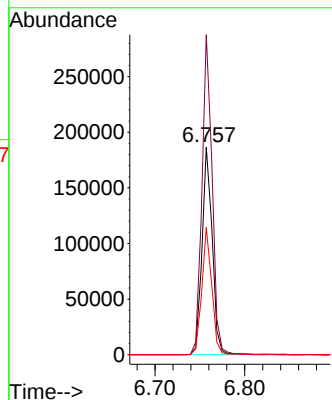
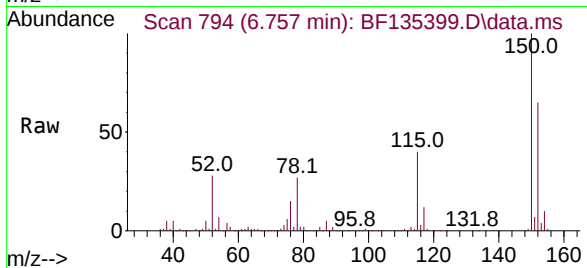




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

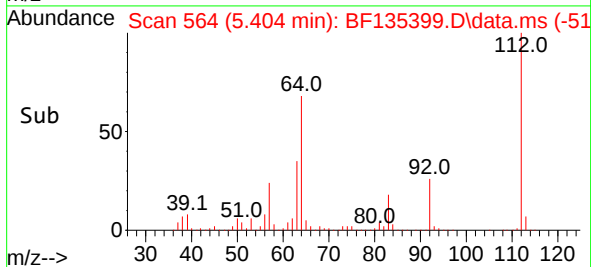
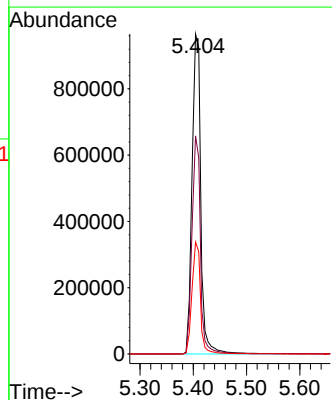
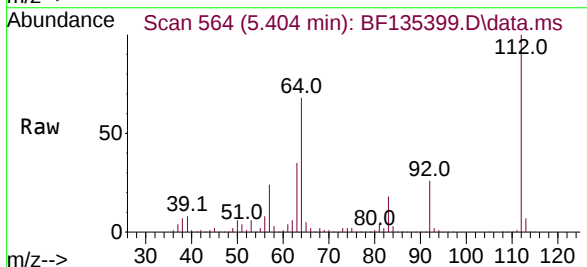
Instrument :
BNA_F
ClientSampleId :
TP-1

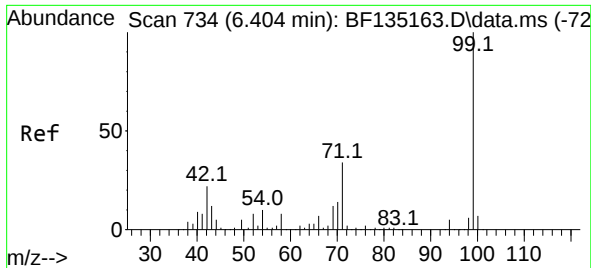
Tgt Ion:152 Resp: 147082
Ion Ratio Lower Upper
152 100
150 154.2 127.8 191.6
115 61.3 49.8 74.8



#5
2-Fluorophenol
Concen: 122.311 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

Tgt Ion:112 Resp: 1106075
Ion Ratio Lower Upper
112 100
64 68.2 55.9 83.9
63 35.0 29.0 43.6

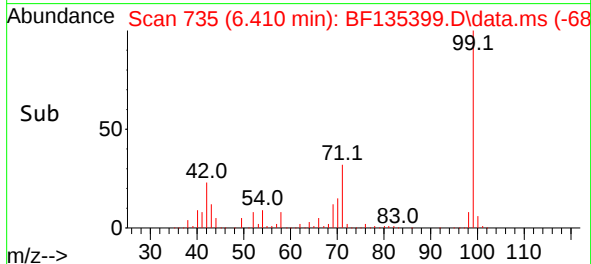
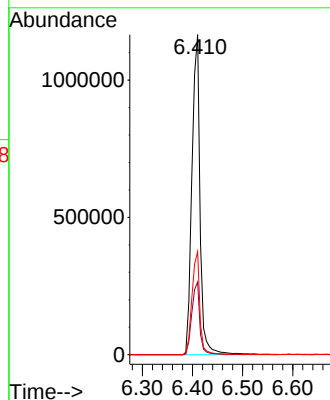
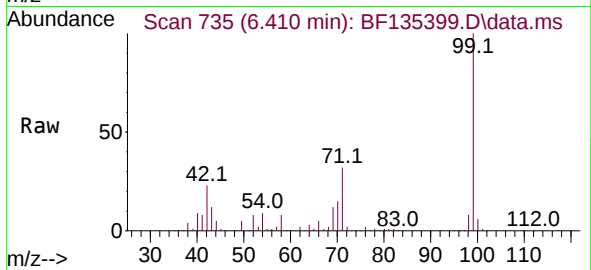




#7
Phenol-d6
Concen: 114.257 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

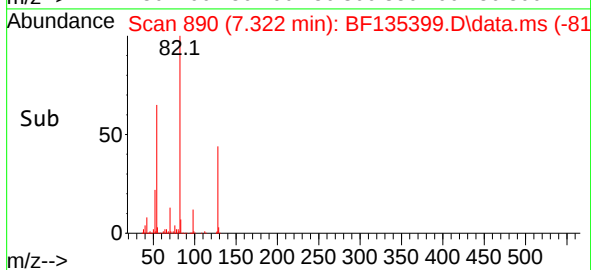
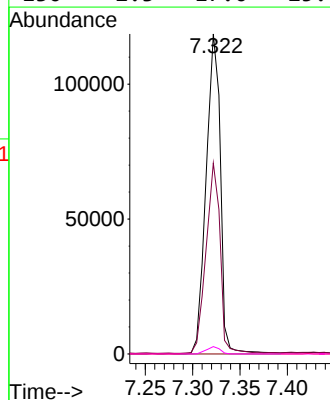
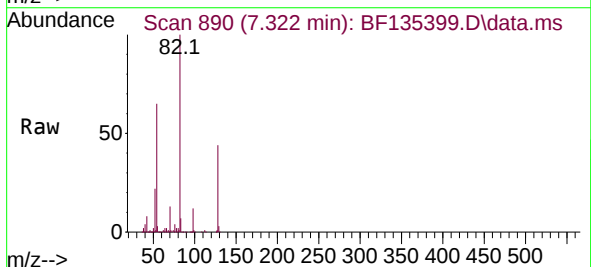
Instrument :
BNA_F
ClientSampleId :
TP-1

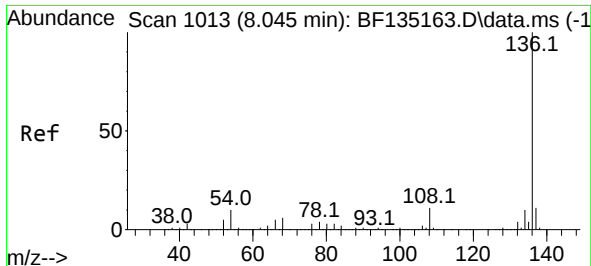
Tgt Ion: 99 Resp: 1313831
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 32.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.434 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

Tgt Ion: 70 Resp: 124171
Ion Ratio Lower Upper
70 100
42 59.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

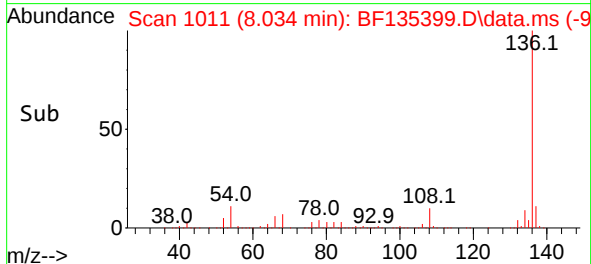
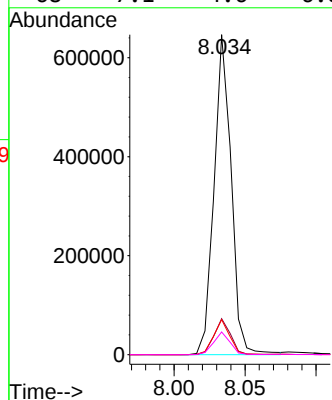
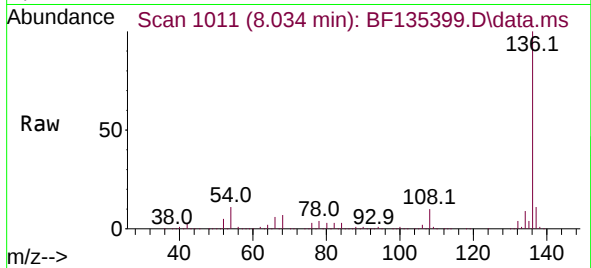




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

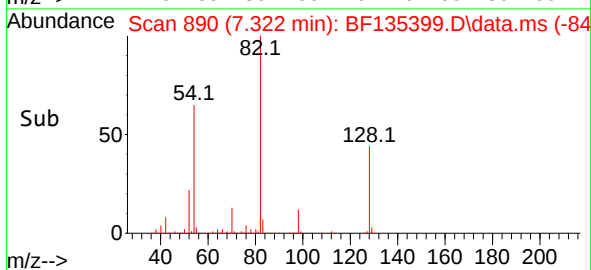
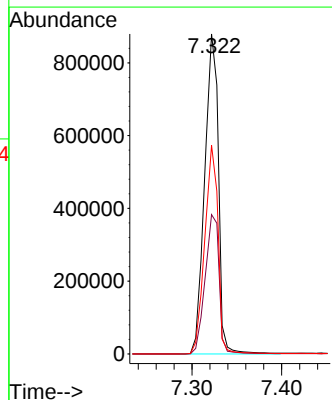
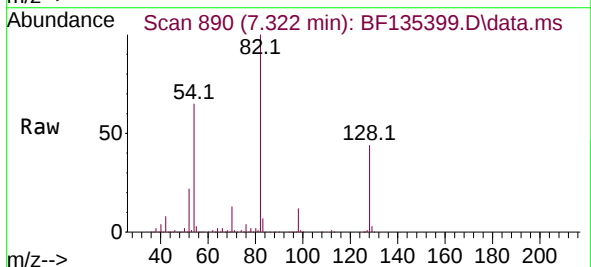
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136	Resp: 541495
Ion Ratio	Lower Upper
136	100
137	11.2 8.8 13.2
54	10.9 7.7 11.5
68	7.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 93.915 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

Tgt Ion: 82	Resp: 936040
Ion Ratio	Lower Upper
82	100
128	43.6 35.8 53.6
54	65.2 50.6 76.0

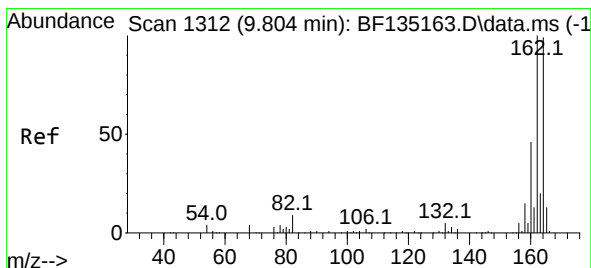
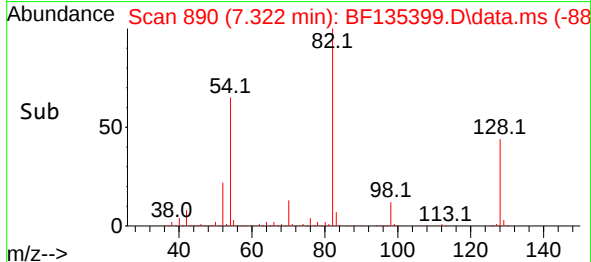
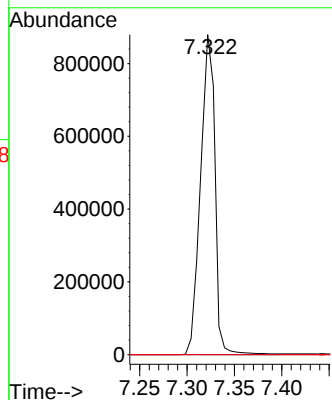
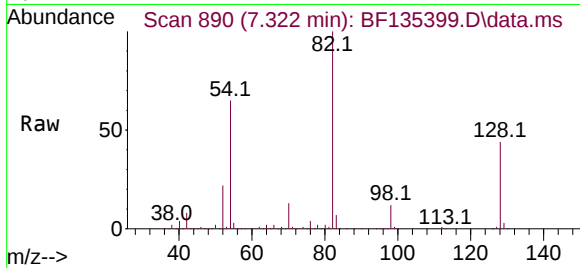




#25
Isophorone
Concen: 51.152 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

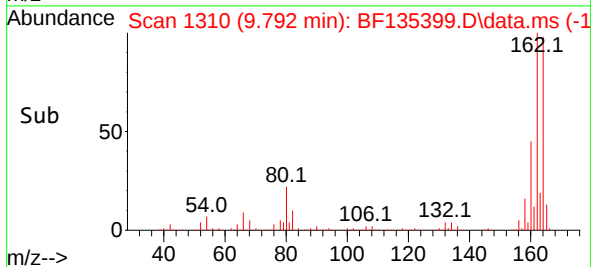
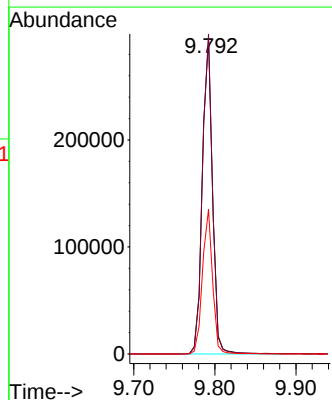
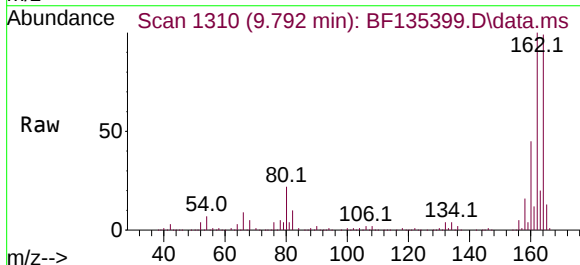
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 936172
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135399.D
Acq: 22 Sep 2023 14:10

Tgt Ion:164 Resp: 256995
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 115.220 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

Instrument :

BNA_F

ClientSampleId :

TP-1

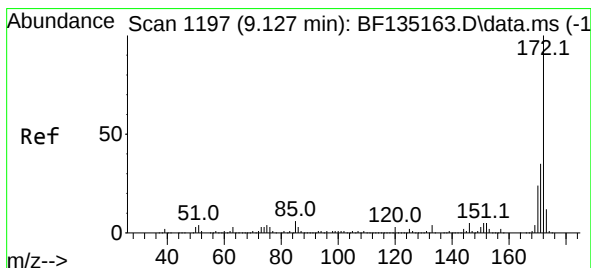
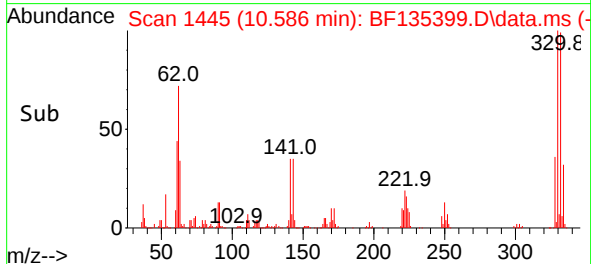
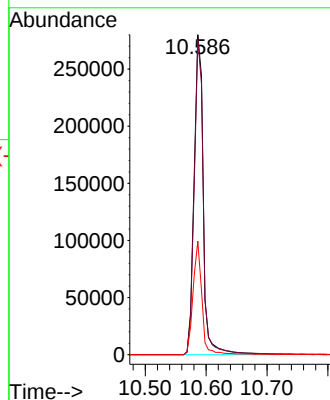
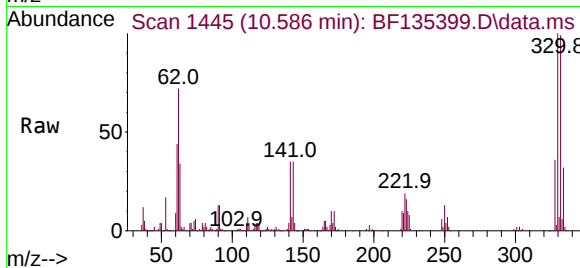
Tgt Ion:330 Resp: 294261

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

141 34.1 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 86.945 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

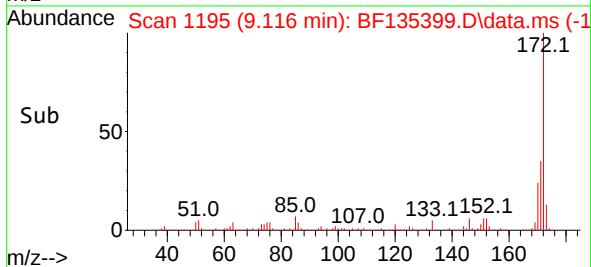
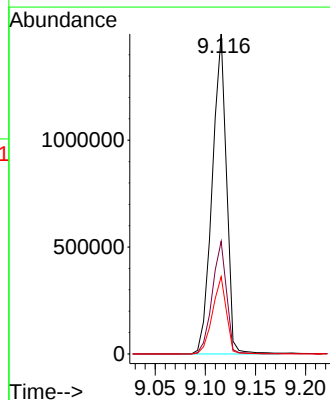
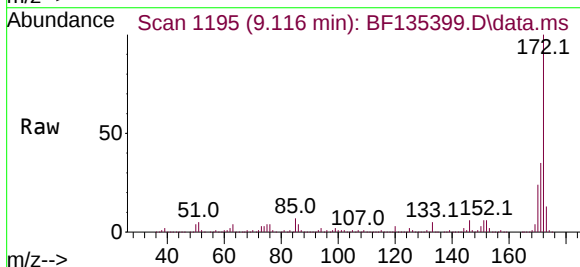
Tgt Ion:172 Resp: 1481023

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 24.2 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.871 ng

RT: 9.792 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

Instrument :

BNA_F

ClientSampleId :

TP-1

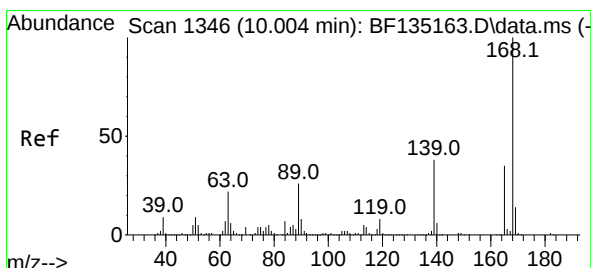
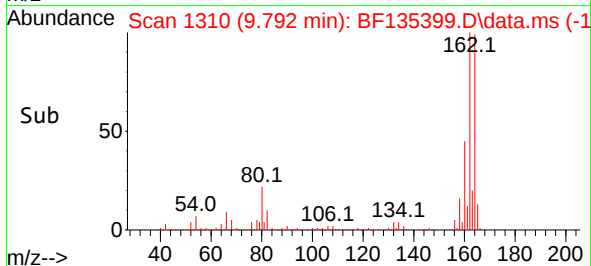
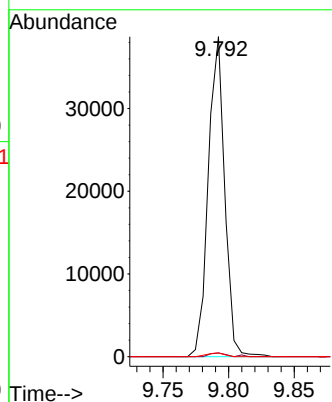
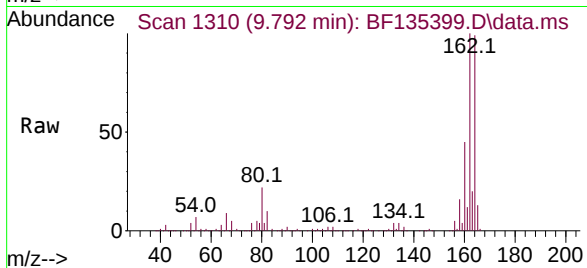
Tgt Ion:165 Resp: 33765

Ion Ratio Lower Upper

165 100

63 1.1 59.4 89.2#

89 1.2 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 7.086 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.212 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

Tgt Ion:165 Resp: 33765

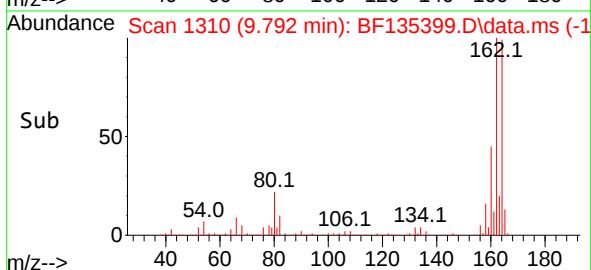
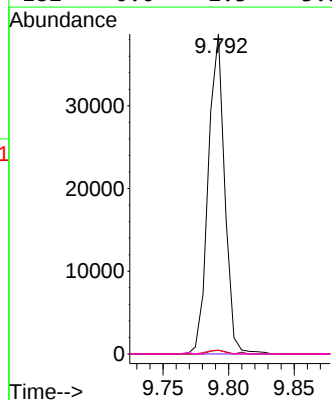
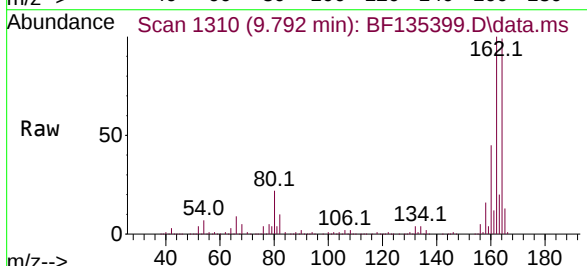
Ion Ratio Lower Upper

165 100

63 1.1 50.1 75.1#

89 1.2 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

Instrument :

BNA_F

ClientSampleId :

TP-1

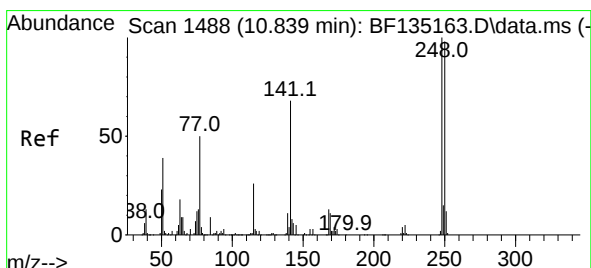
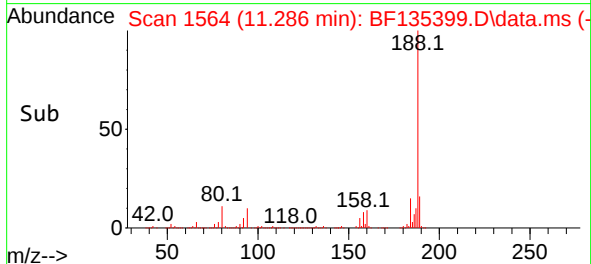
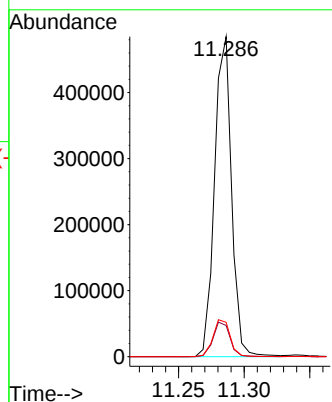
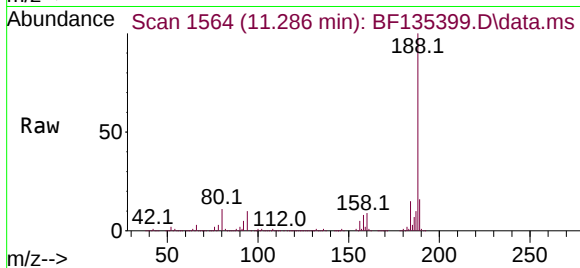
Tgt Ion:188 Resp: 435833

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

80 10.8 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.288 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

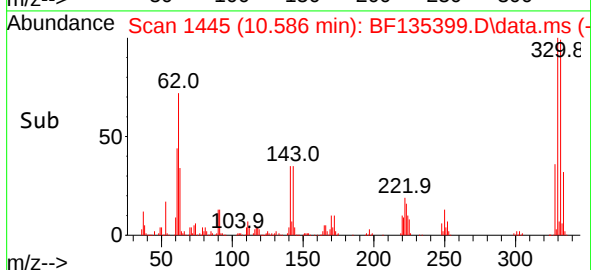
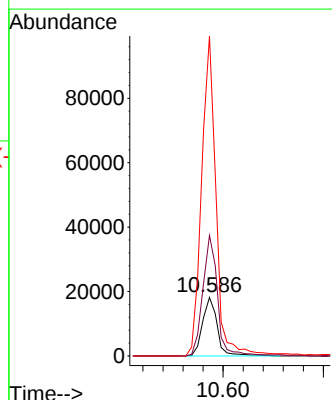
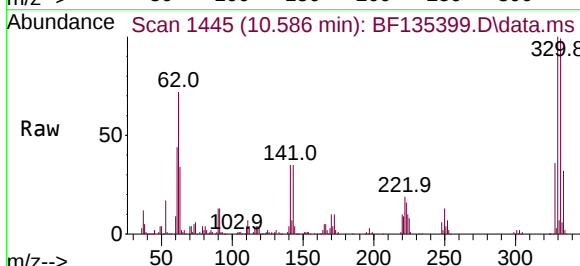
Tgt Ion:248 Resp: 18585

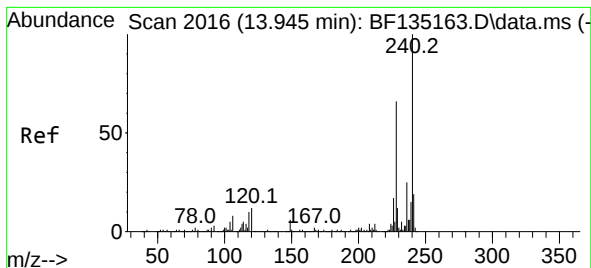
Ion Ratio Lower Upper

248 100

250 205.4 78.6 117.8#

141 545.9 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

Instrument :

BNA_F

ClientSampleId :

TP-1

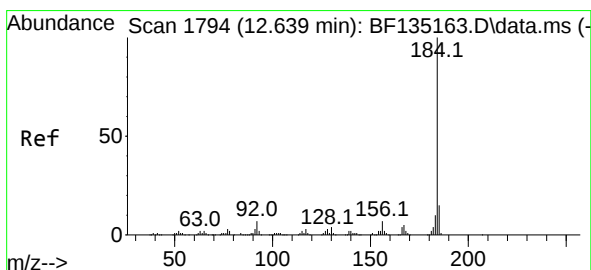
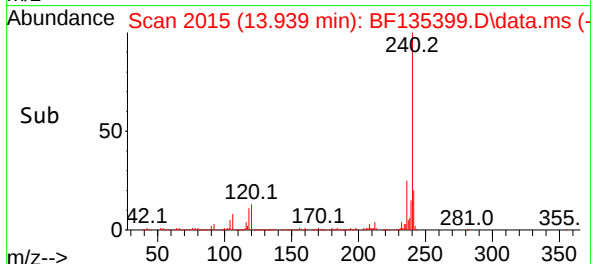
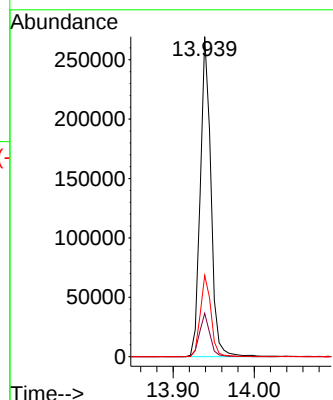
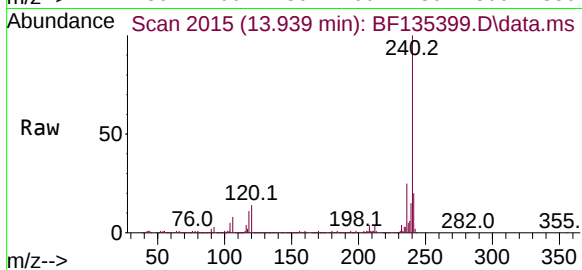
Tgt Ion:240 Resp: 246108

Ion Ratio Lower Upper

240 100

120 13.5 9.4 14.2

236 25.4 19.8 29.8



#77

Benzidine

Concen: 3.152 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.241 min

Lab File: BF135399.D

Acq: 22 Sep 2023 14:10

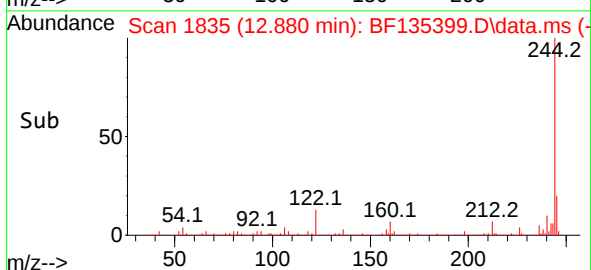
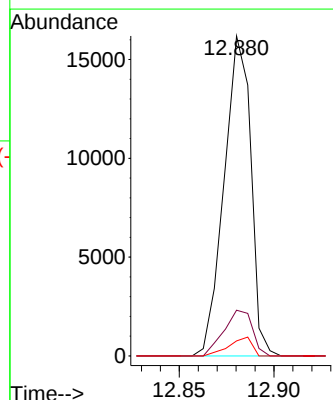
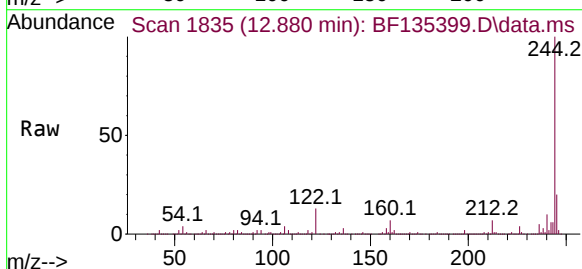
Tgt Ion:184 Resp: 15894

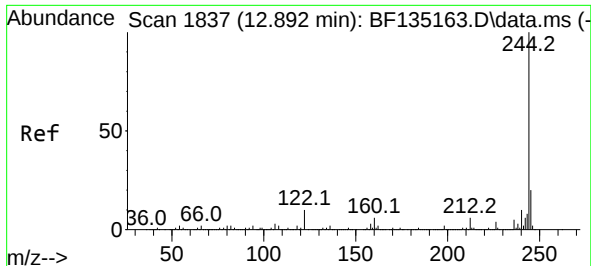
Ion Ratio Lower Upper

184 100

185 14.3 11.7 17.5

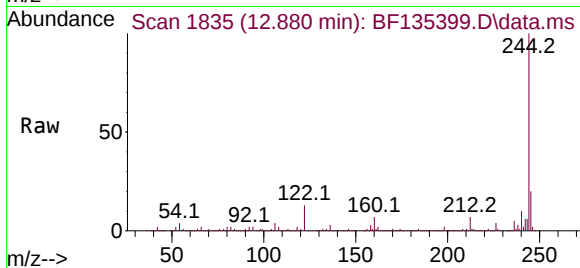
183 4.7 8.2 12.4#



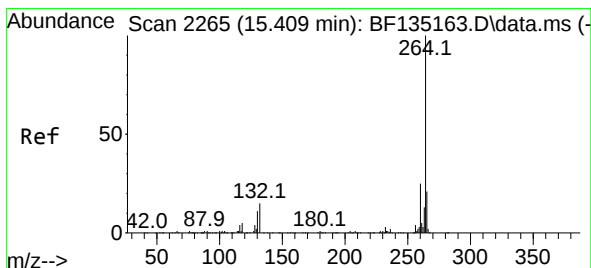
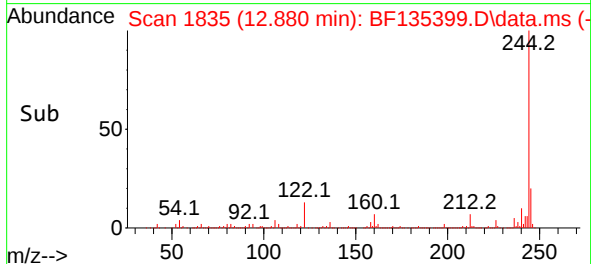
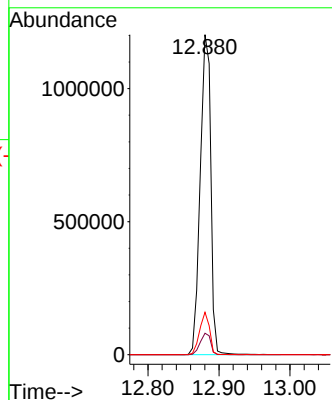


#79
 Terphenyl-d14
 Concen: 78.451 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135399.D
 Acq: 22 Sep 2023 14:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:244 Resp: 1245485
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.3 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF135399.D
 Acq: 22 Sep 2023 14:10

Tgt Ion:264 Resp: 311269
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 21.7 17.0 25.4

