

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135242.D
 Acq On : 14 Sep 2023 01:43
 Operator : CG\JU
 Sample : 04338-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Quant Time: Sep 14 02:26:37 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)

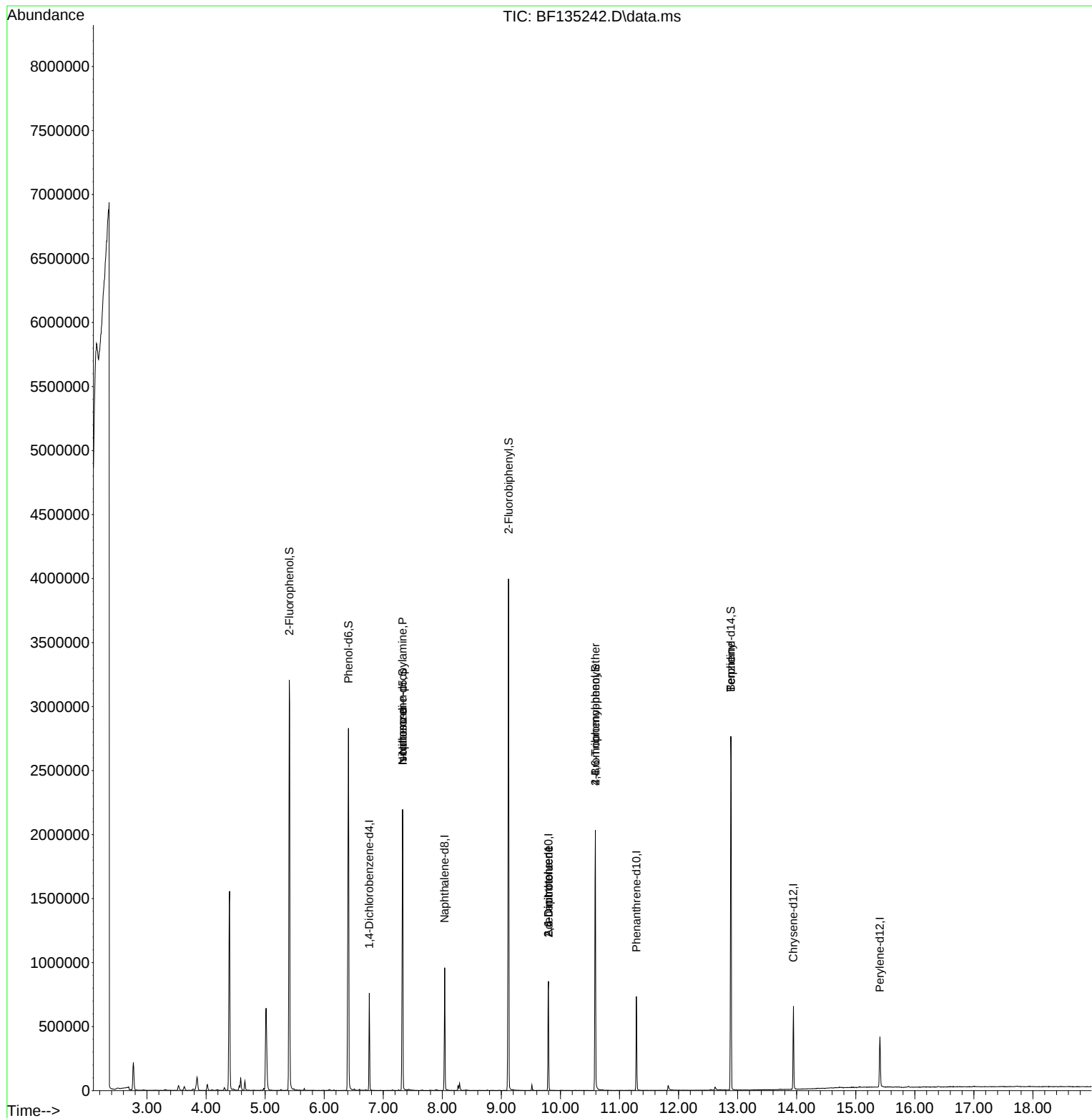
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	99780	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	384986	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	173425	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	257587	20.000	ng	0.00
76) Chrysene-d12	13.945	240	209866	20.000	ng	0.00
86) Perylene-d12	15.409	264	185538	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	950176	154.882	ng	0.02
7) Phenol-d6	6.410	99	1064557	136.467	ng	0.00
23) Nitrobenzene-d5	7.328	82	754243	106.439	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	240180	139.362	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1289466	112.178	ng	0.00
79) Terphenyl-d14	12.886	244	1063583	78.562	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	102459	21.205	ng	# 77
25) Isophorone	7.328	82	754236	57.965	ng	# 65
51) 2,6-Dinitrotoluene	9.798	165	22053	8.586	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	22053	6.858	ng	# 19
67) 4-Bromophenyl-phenylether	10.592	248	15292	5.969	ng	# 1
77) Benzidine	12.886	184	13485	3.136	ng	# 93

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

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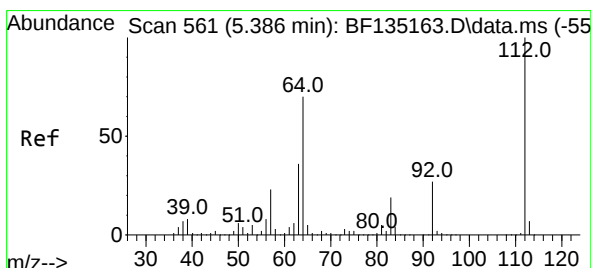
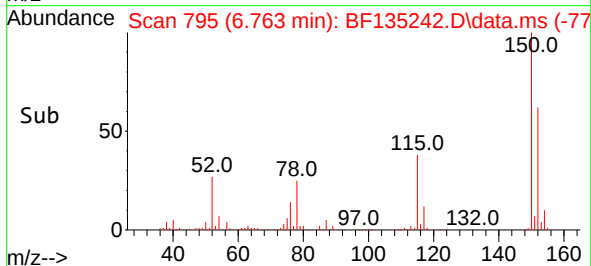
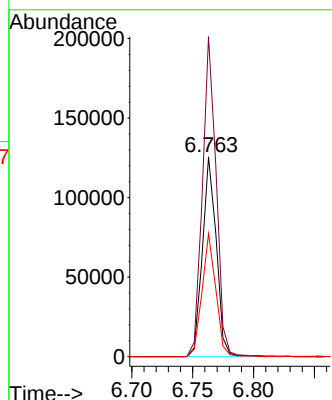
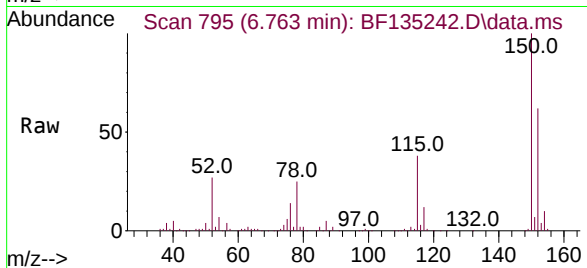




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

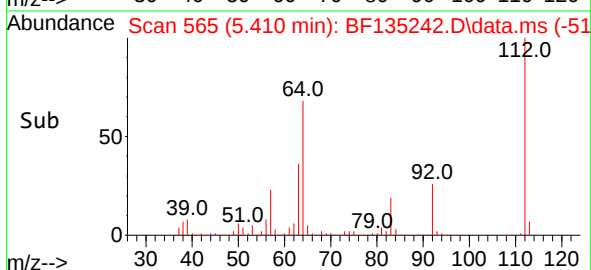
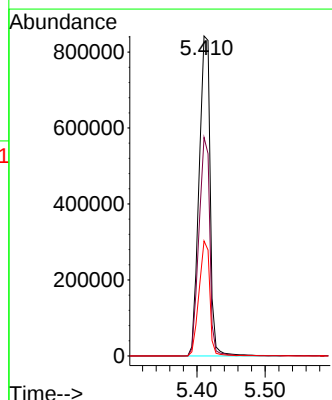
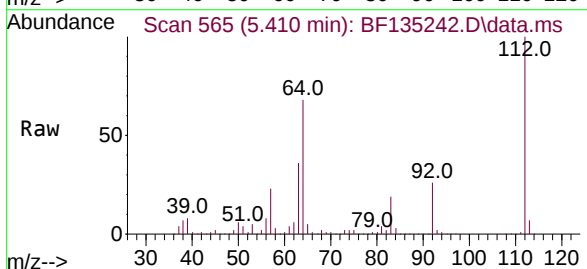
Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:152 Resp: 99780
Ion Ratio Lower Upper
152 100
150 160.1 127.8 191.6
115 61.6 49.8 74.8



#5
2-Fluorophenol
Concen: 154.882 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.024 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

Tgt Ion:112 Resp: 950176
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 36.0 29.0 43.6

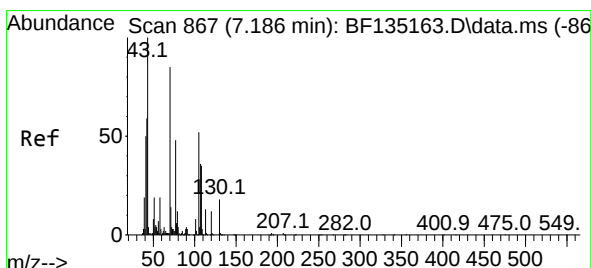
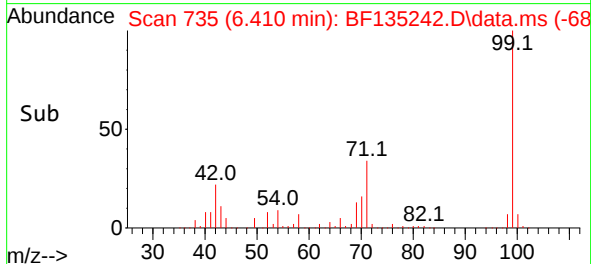
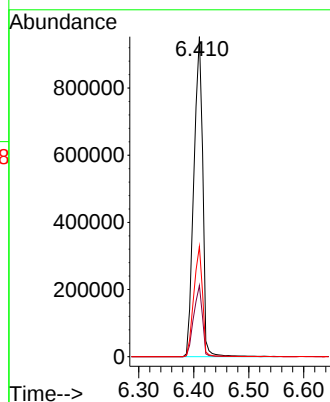
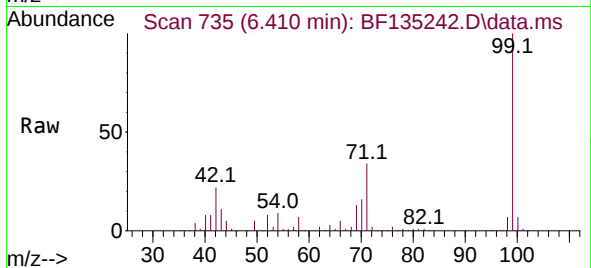




#7
Phenol-d6
Concen: 136.467 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

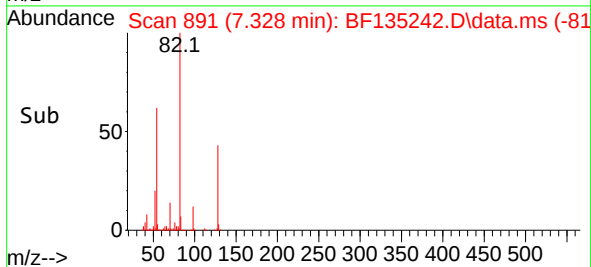
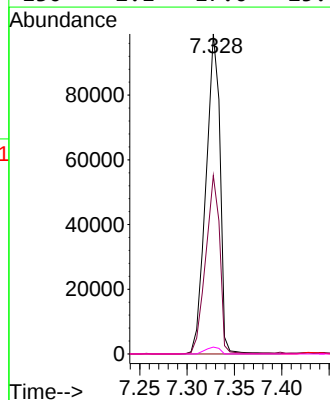
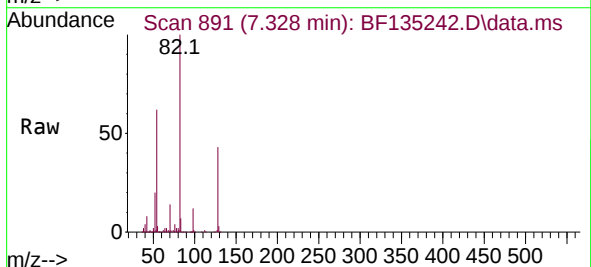
Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion: 99 Resp: 1064557
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.205 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

Tgt Ion: 70 Resp: 102459
Ion Ratio Lower Upper
70 100
42 55.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

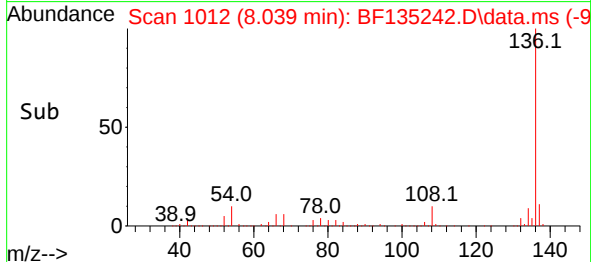
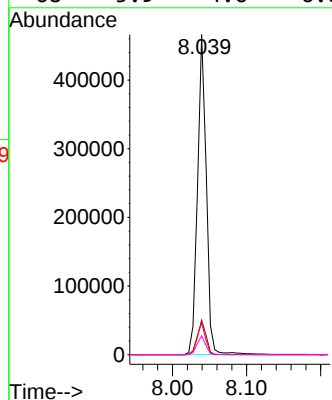
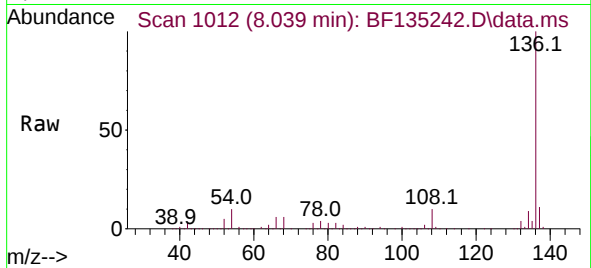




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

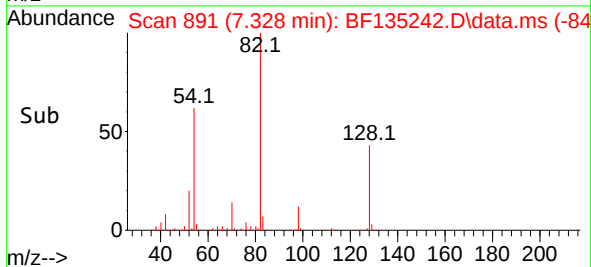
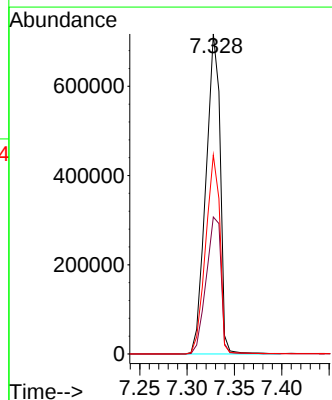
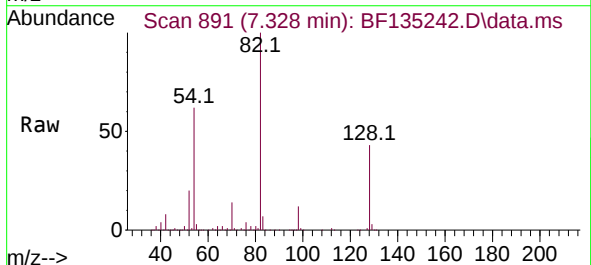
Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:	136	Resp:	384986
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	10.0	7.7	11.5
68	5.9	4.6	6.8



#23
Nitrobenzene-d5
Concen: 106.439 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

Tgt Ion:	82	Resp:	754243
Ion Ratio	Lower	Upper	
82	100		
128	42.8	35.8	53.6
54	62.1	50.6	76.0

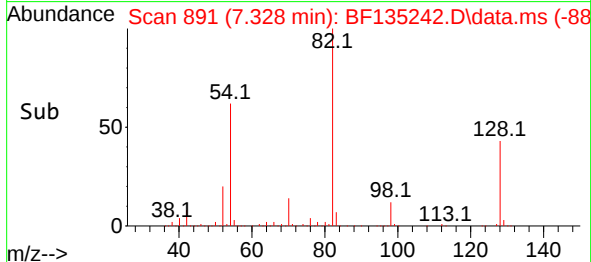
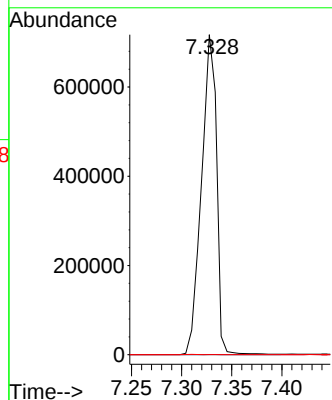
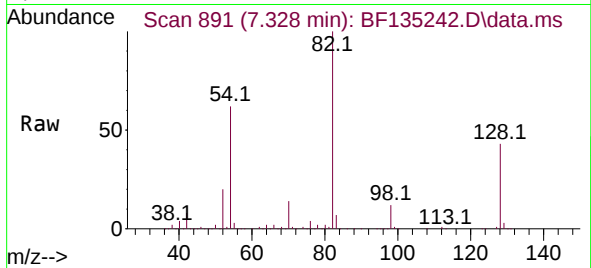




#25
Isophorone
Concen: 57.965 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

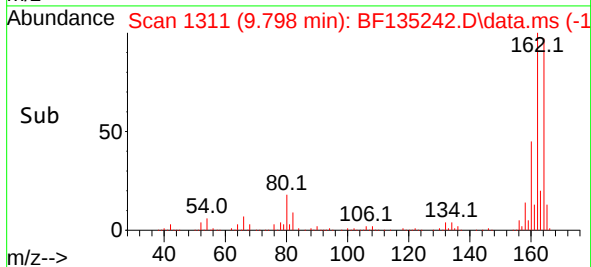
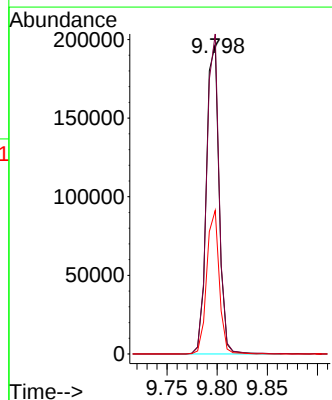
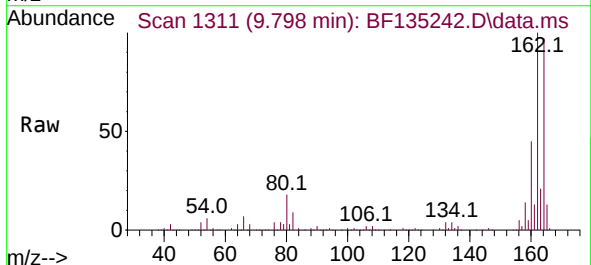
Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion: 82 Resp: 754236
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: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135242.D
Acq: 14 Sep 2023 01:43

Tgt Ion:164 Resp: 173425
Ion Ratio Lower Upper
164 100
162 103.5 81.0 121.4
160 46.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 139.362 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

Instrument :

BNA_F

ClientSampleId :

TP2

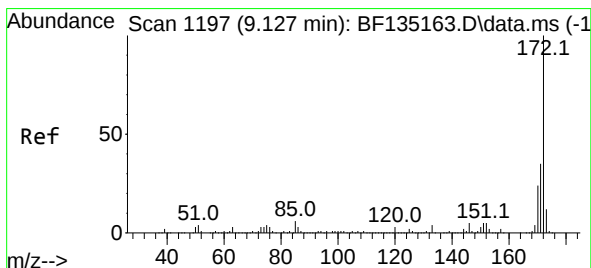
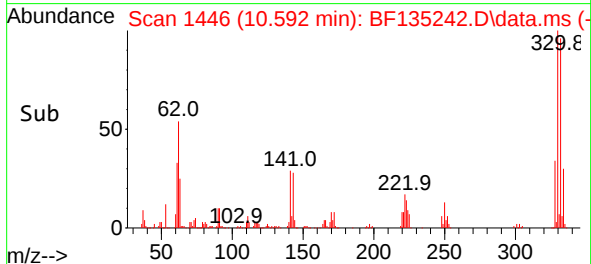
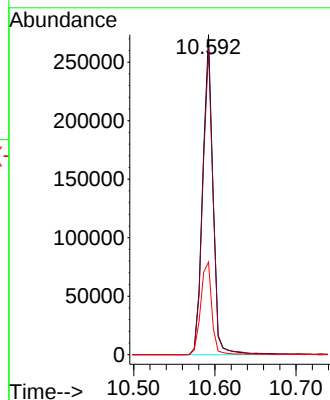
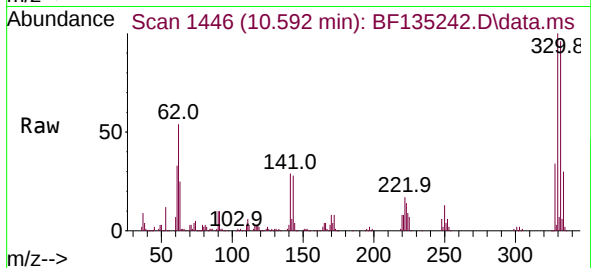
Tgt Ion:330 Resp: 240180

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 31.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 112.178 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

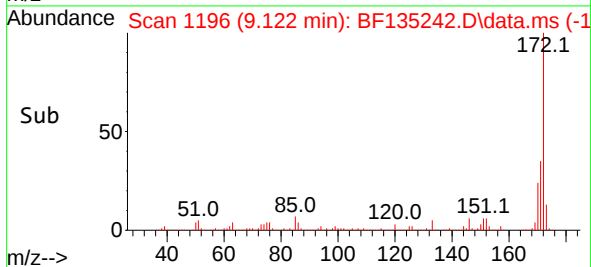
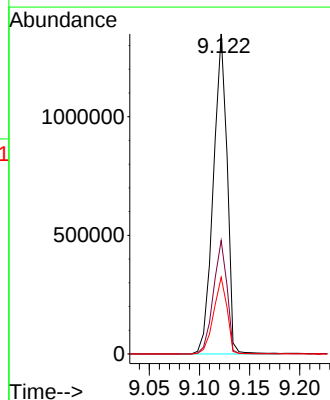
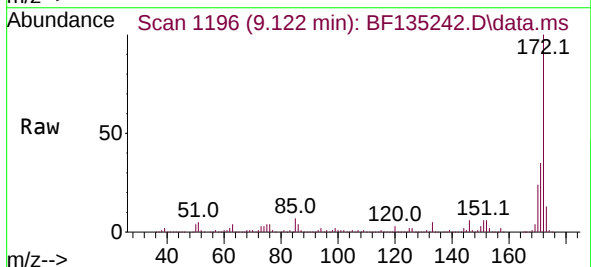
Tgt Ion:172 Resp: 1289466

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 24.0 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.586 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.206 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

Instrument :

BNA_F

ClientSampleId :

TP2

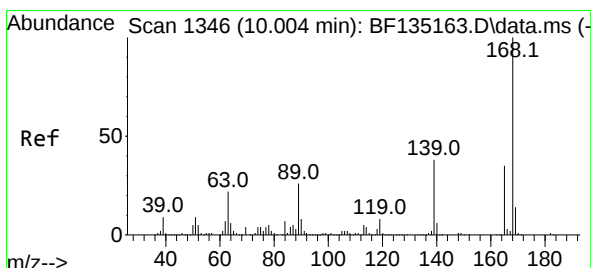
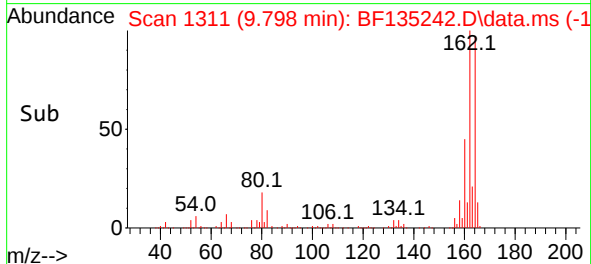
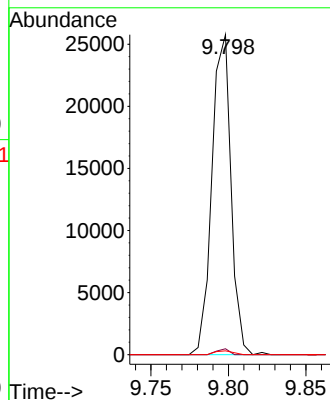
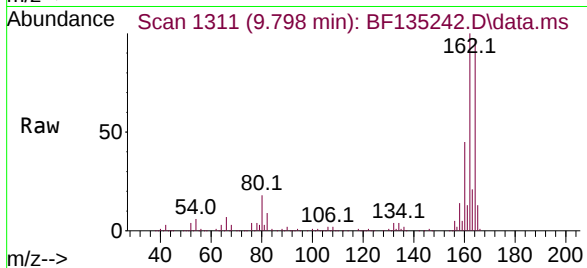
Tgt Ion:165 Resp: 22053

Ion Ratio Lower Upper

165 100

63 1.8 59.4 89.2#

89 1.2 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.858 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.206 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

Tgt Ion:165 Resp: 22053

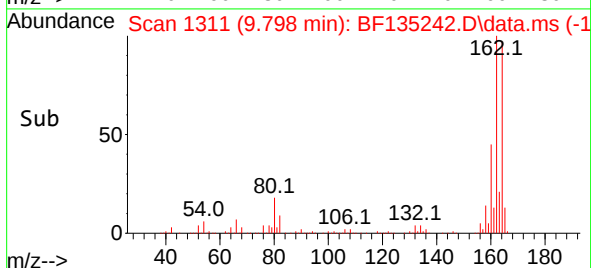
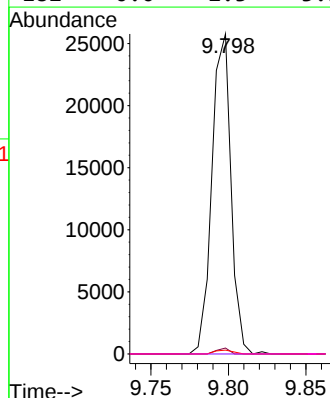
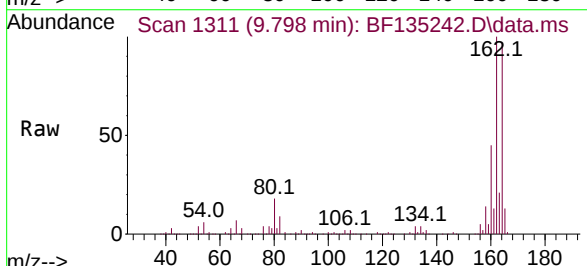
Ion Ratio Lower Upper

165 100

63 1.8 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# 11

Delta R.T. -0.006 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

Instrument :

BNA_F

ClientSampleId :

TP2

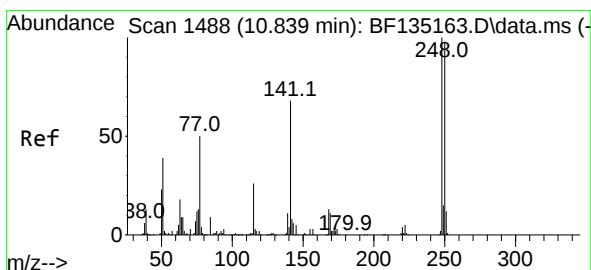
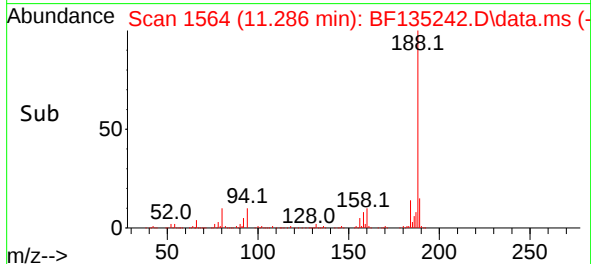
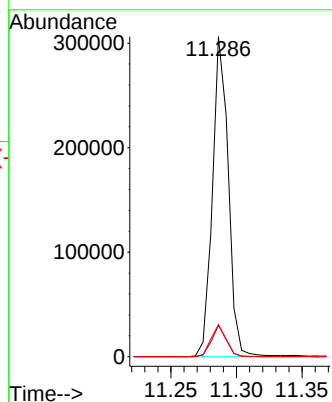
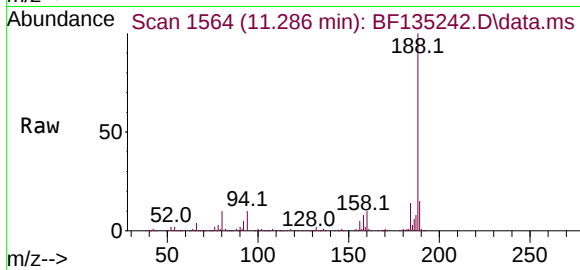
Tgt Ion:188 Resp: 257587

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

80 10.0 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 5.969 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

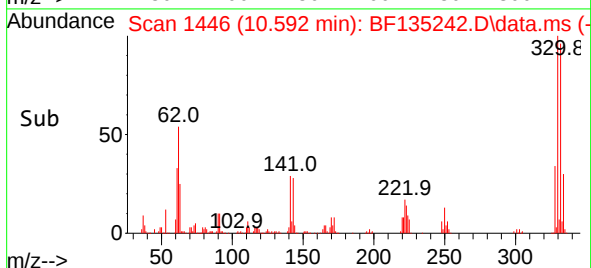
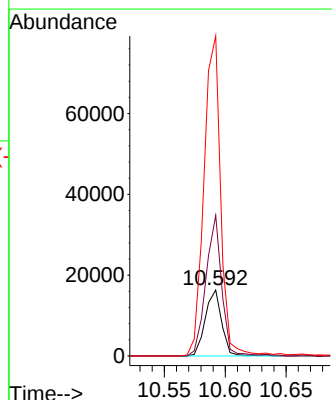
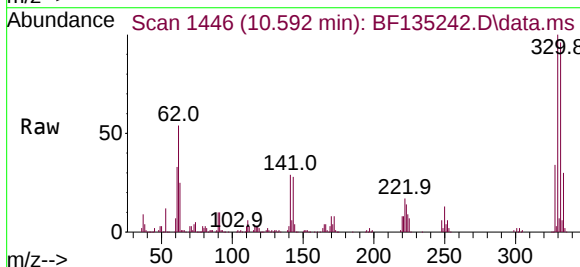
Tgt Ion:248 Resp: 15292

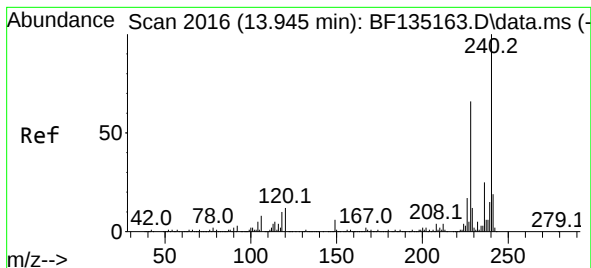
Ion Ratio Lower Upper

248 100

250 212.9 78.6 117.8#

141 485.0 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

Instrument :

BNA_F

ClientSampleId :

TP2

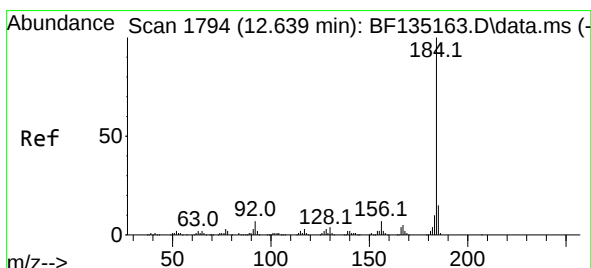
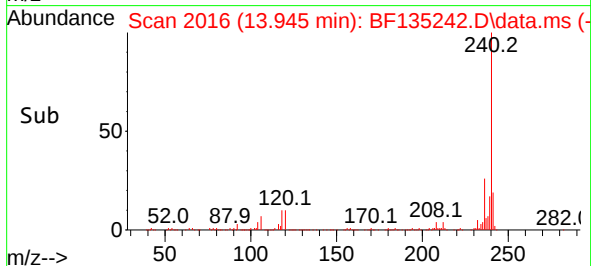
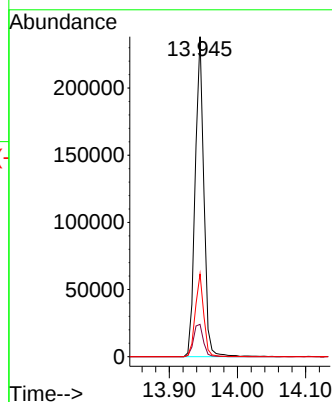
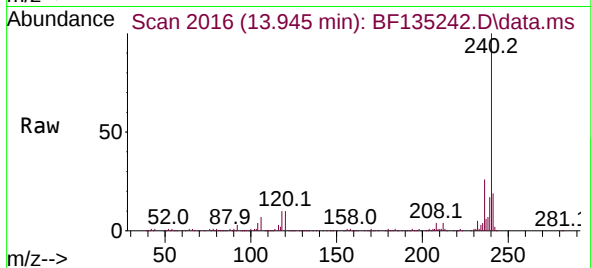
Tgt Ion:240 Resp: 209866

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.2

236 25.9 19.8 29.8



#77

Benzidine

Concen: 3.136 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF135242.D

Acq: 14 Sep 2023 01:43

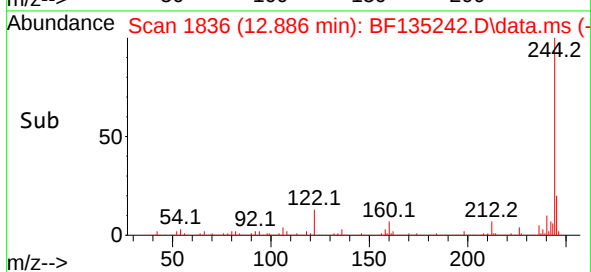
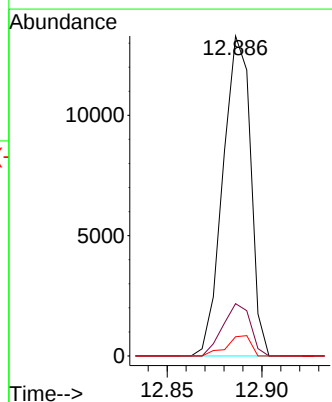
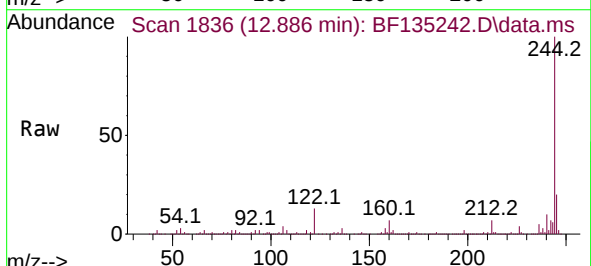
Tgt Ion:184 Resp: 13485

Ion Ratio Lower Upper

184 100

185 16.3 11.7 17.5

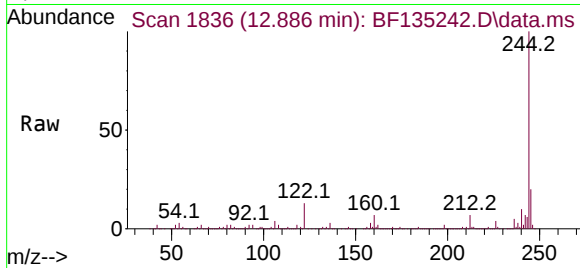
183 6.0 8.2 12.4#



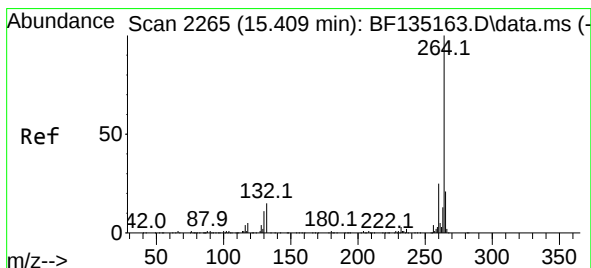
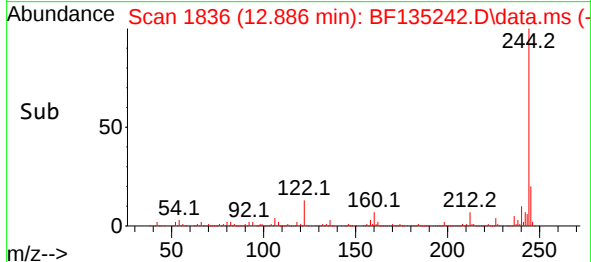
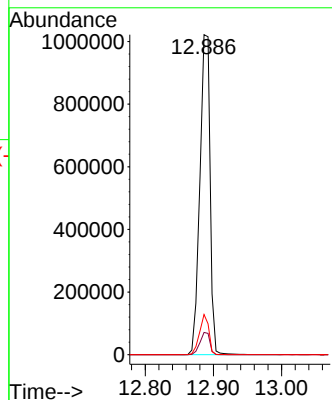


#79
 Terphenyl-d14
 Concen: 78.562 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135242.D
 Acq: 14 Sep 2023 01:43

Instrument :
 BNA_F
 ClientSampleId :
 TP2



Tgt Ion:244 Resp: 1063583
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 12.5 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF135242.D
 Acq: 14 Sep 2023 01:43

Tgt Ion:264 Resp: 185538
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.8 29.6
 265 22.1 17.0 25.4

