

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135458.D
 Acq On : 26 Sep 2023 17:56
 Operator : CG\JU
 Sample : 04531-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Quant Time: Sep 27 02:15:19 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 26 01:36:36 2023
 Response via : Initial Calibration

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

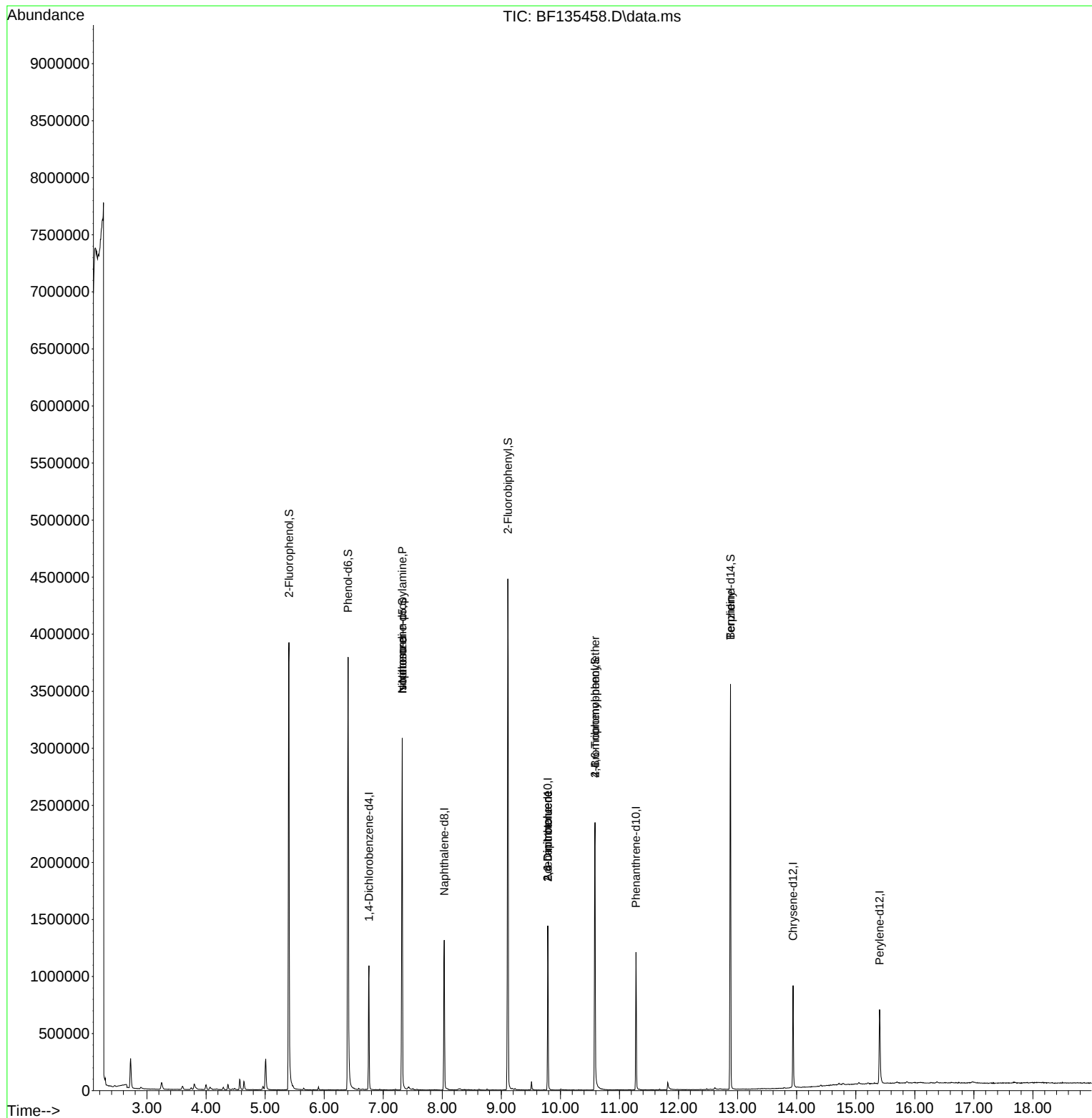
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	159268	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	596841	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	275824	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	422445	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	290584	20.000	ng	0.00
86) Perylene-d12	15.404	264	322559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1180055	120.507	ng	0.02
7) Phenol-d6	6.404	99	1437194	115.423	ng	0.00
23) Nitrobenzene-d5	7.322	82	988655	89.996	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	303280	110.645	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1586661	86.788	ng	0.00
79) Terphenyl-d14	12.880	244	1280795	68.327	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	131728	17.080	ng	# 79
25) Isophorone	7.322	82	988776	49.016	ng	# 65
51) 2,6-Dinitrotoluene	9.786	165	34889	8.540	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	34889	6.822	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	19281	4.589	ng	# 1
77) Benzidine	12.880	184	15862	2.664	ng	# 94

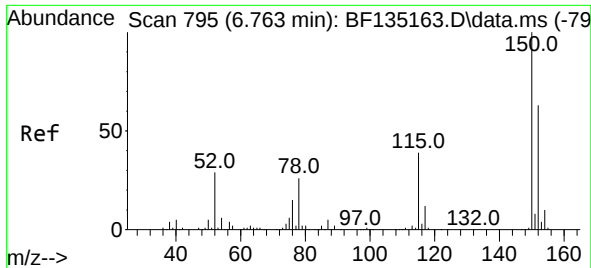
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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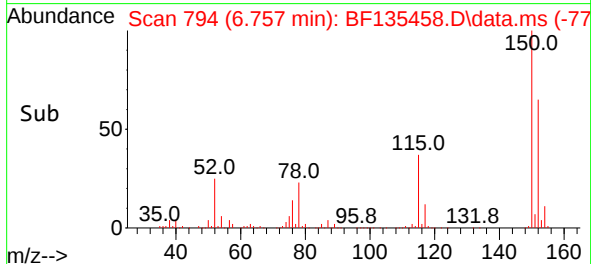
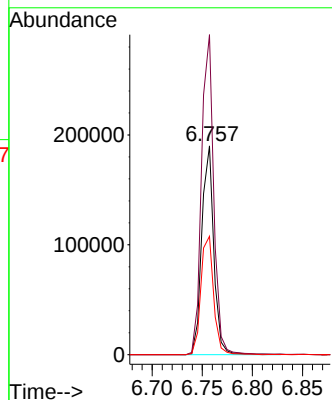
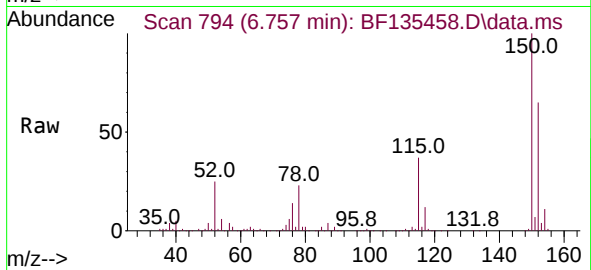




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

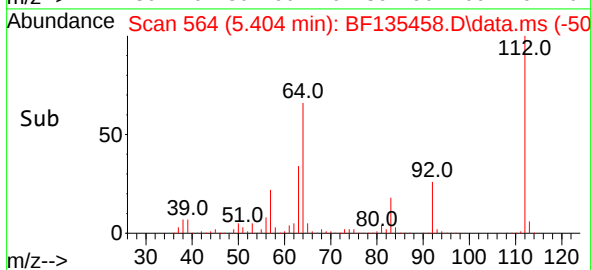
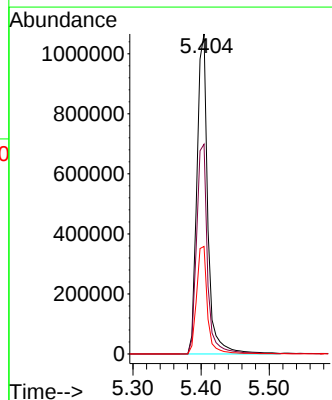
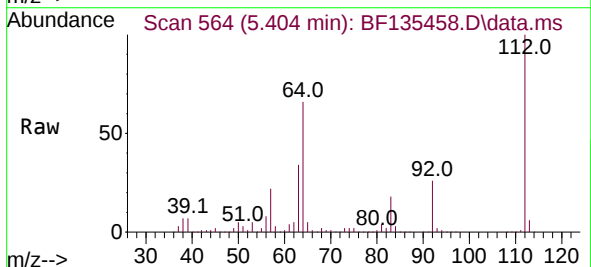
Instrument :
BNA_F
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TP-A

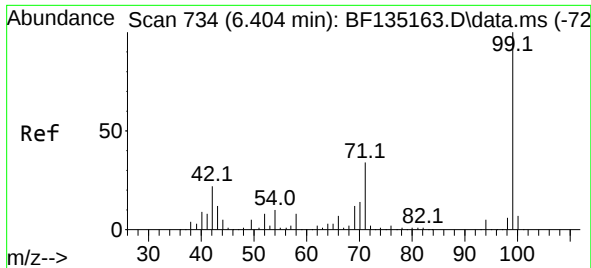
Tgt Ion:152 Resp: 159268
Ion Ratio Lower Upper
152 100
150 153.2 127.8 191.6
115 56.7 49.8 74.8



#5
2-Fluorophenol
Concen: 120.507 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.023 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion:112 Resp: 1180055
Ion Ratio Lower Upper
112 100
64 65.5 55.9 83.9
63 33.6 29.0 43.6

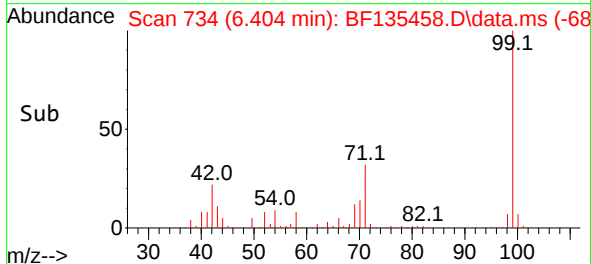
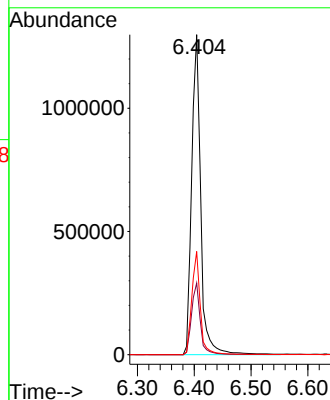
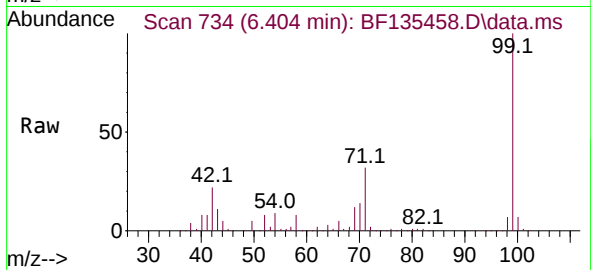




#7
Phenol-d6
Concen: 115.423 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

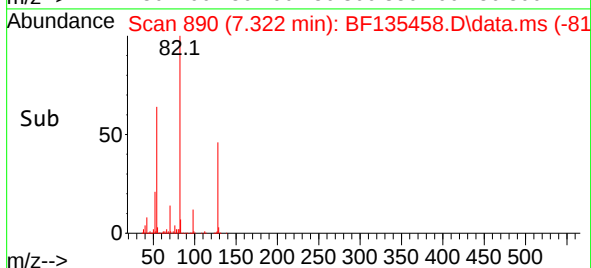
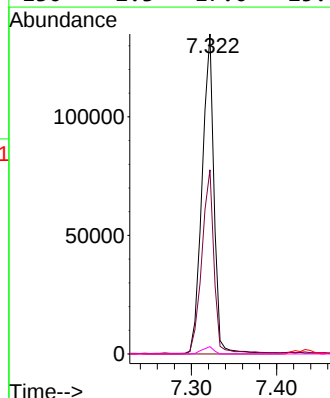
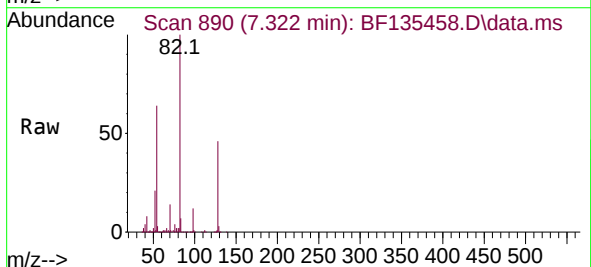
Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion: 99 Resp: 1437194
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 32.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.080 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.147 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion: 70 Resp: 131728
Ion Ratio Lower Upper
70 100
42 57.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

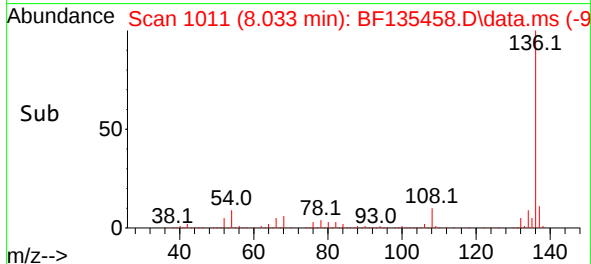
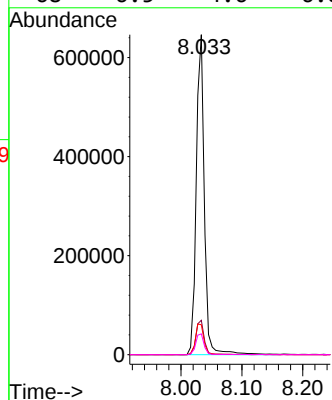
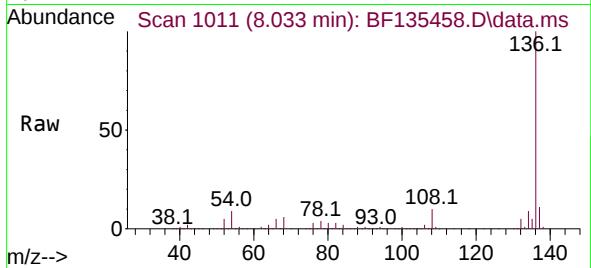




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

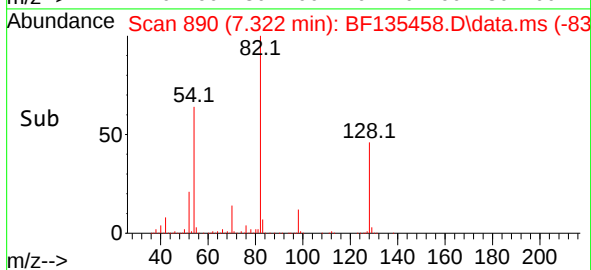
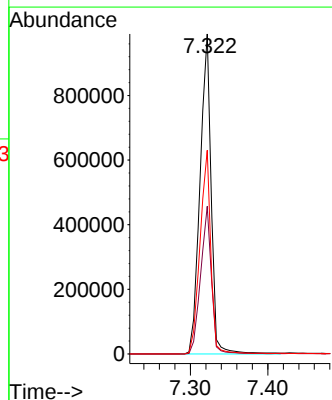
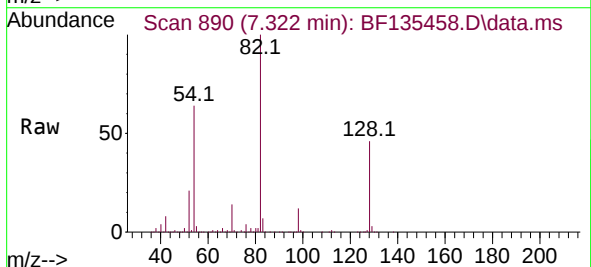
Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:136	Resp: 596841
Ion Ratio	Lower Upper
136	100
137	10.8 8.8 13.2
54	9.4 7.7 11.5
68	6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 89.996 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion: 82	Resp: 988655
Ion Ratio	Lower Upper
82	100
128	46.1 35.8 53.6
54	63.6 50.6 76.0

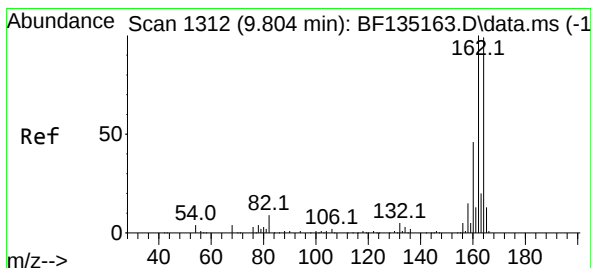
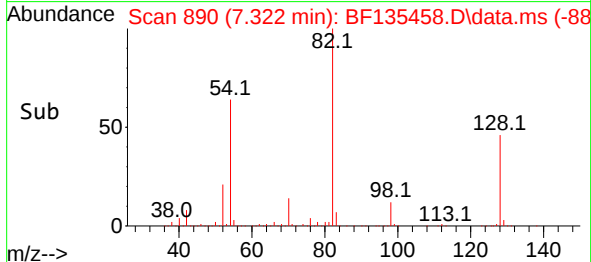
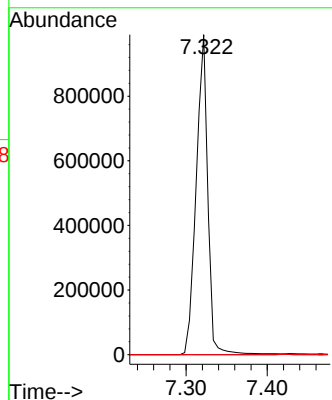
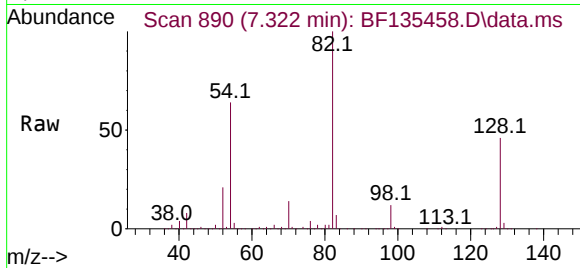




#25
Isophorone
Concen: 49.016 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

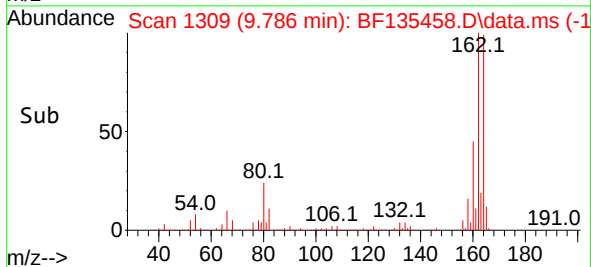
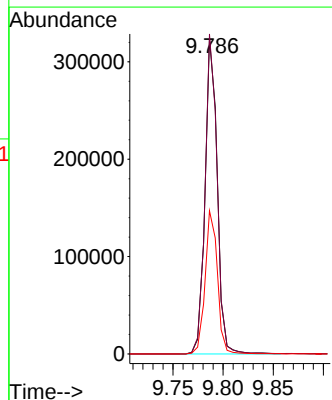
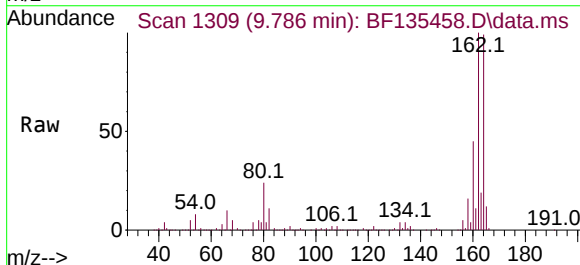
Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion: 82 Resp: 988776
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: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion: 164 Resp: 275824
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 110.645 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BF135458.D

Acq: 26 Sep 2023 17:56

Instrument :

BNA_F

ClientSampleId :

TP-A

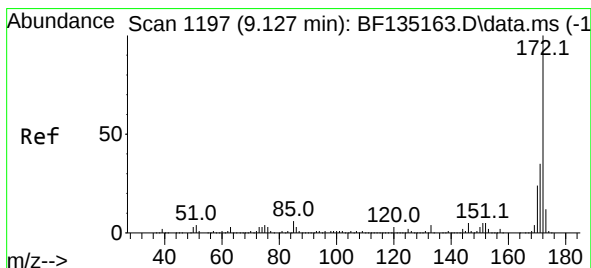
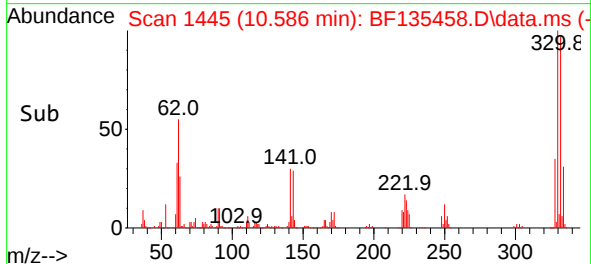
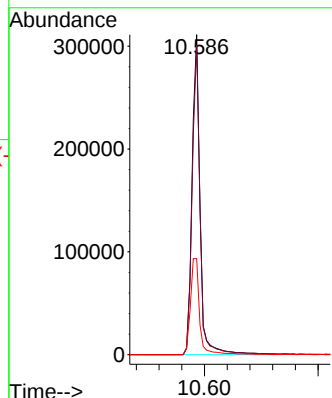
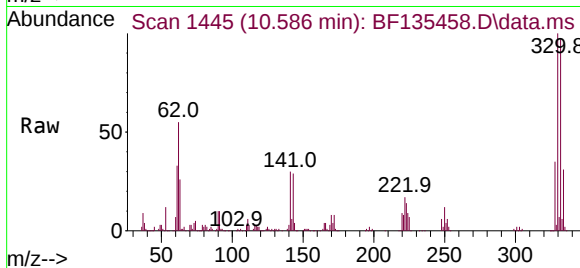
Tgt Ion:330 Resp: 303280

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 34.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 86.788 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF135458.D

Acq: 26 Sep 2023 17:56

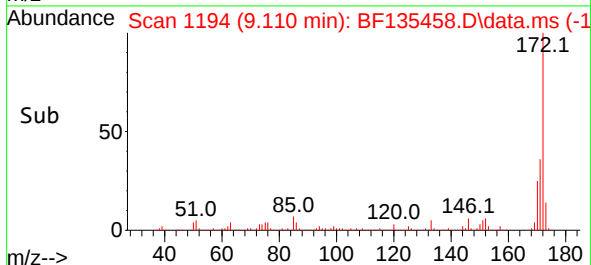
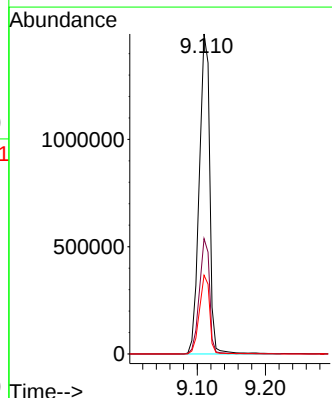
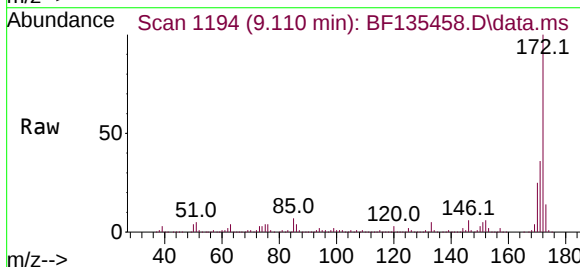
Tgt Ion:172 Resp: 1586661

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 24.6 19.0 28.4

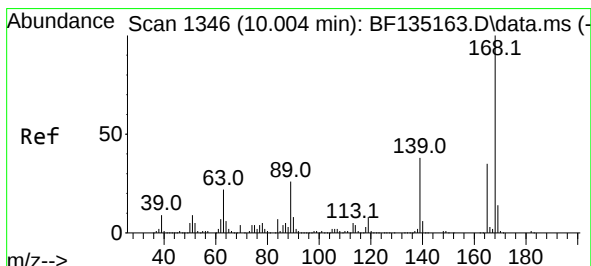
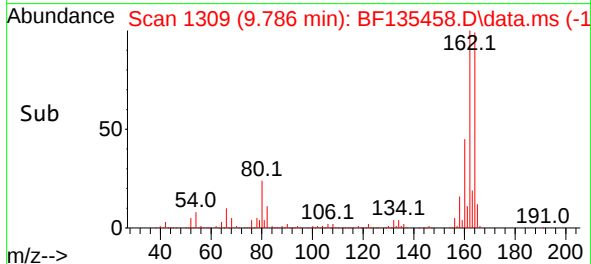
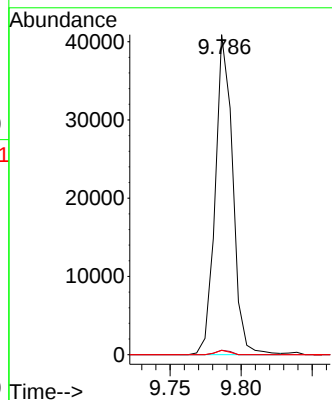
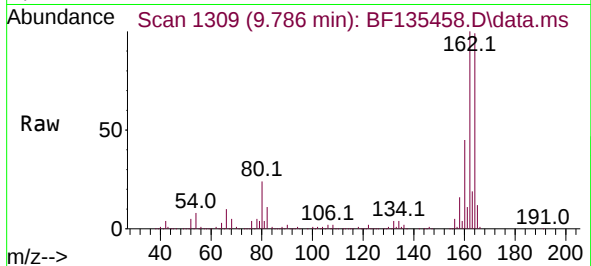




#51
2,6-Dinitrotoluene
Concen: 8.540 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.200 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

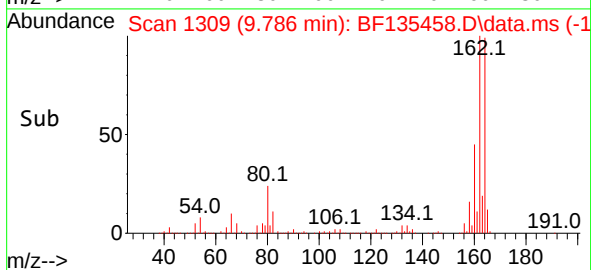
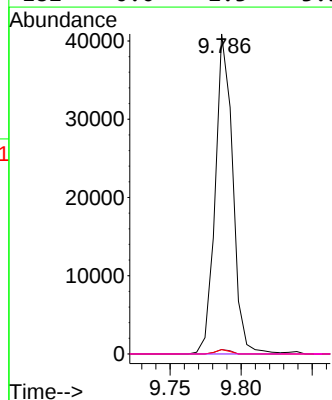
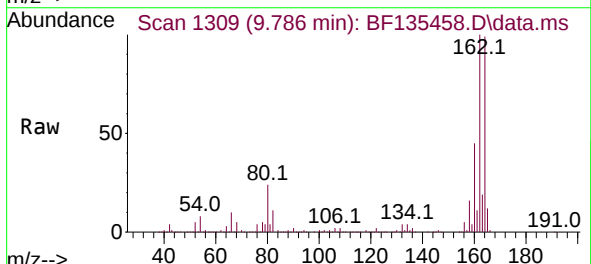
Instrument :
BNA_F
ClientSampleId :
TP-A

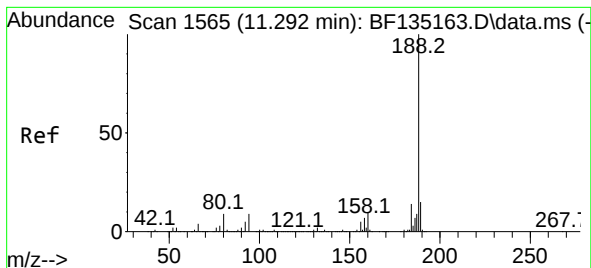
Tgt Ion:165 Resp: 34889
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.4 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.822 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.212 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion:165 Resp: 34889
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135458.D

Acq: 26 Sep 2023 17:56

Instrument :

BNA_F

ClientSampleId :

TP-A

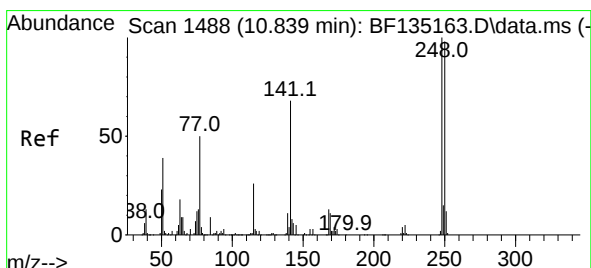
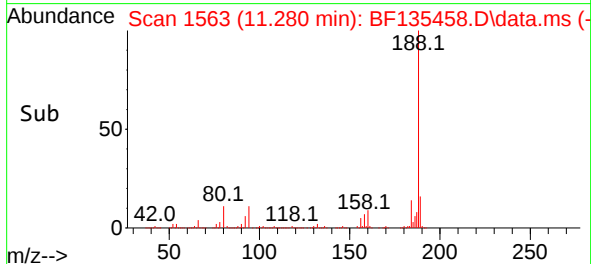
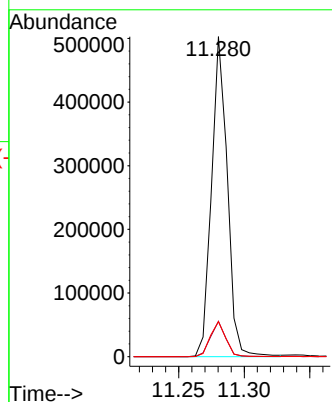
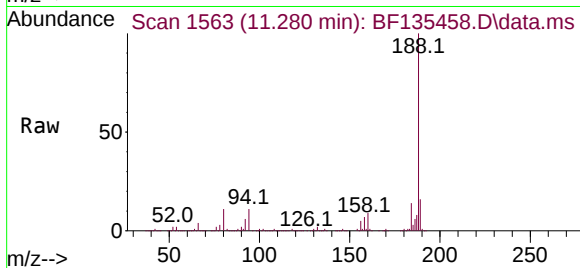
Tgt Ion:188 Resp: 422445

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.0 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.589 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF135458.D

Acq: 26 Sep 2023 17:56

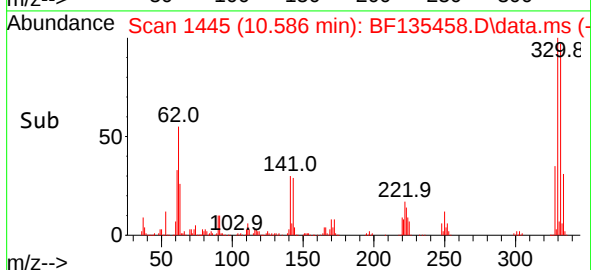
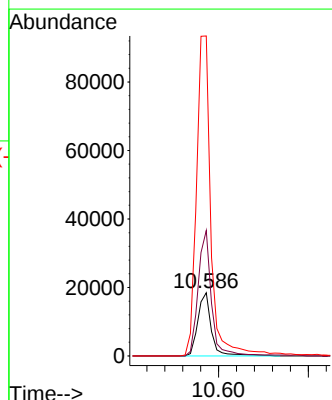
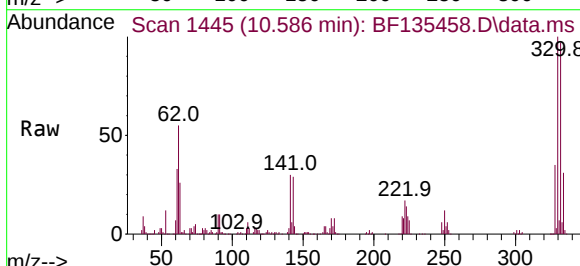
Tgt Ion:248 Resp: 19281

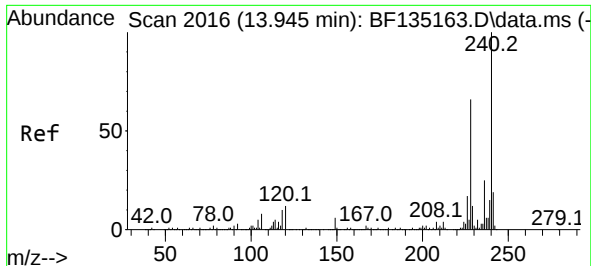
Ion Ratio Lower Upper

248 100

250 198.2 78.6 117.8#

141 505.8 54.2 81.2#

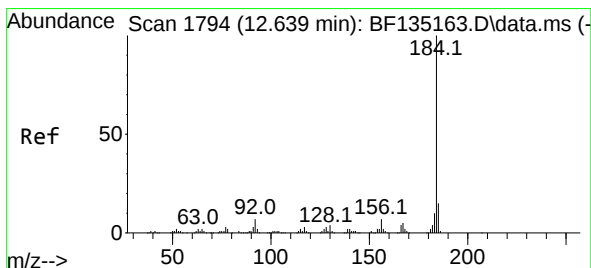
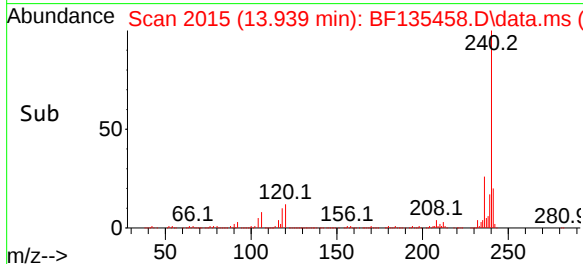
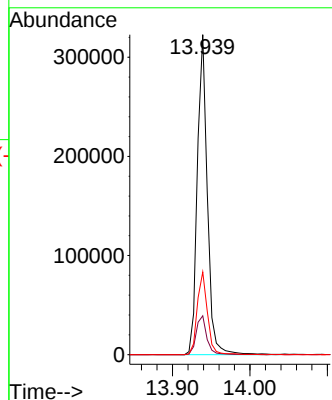
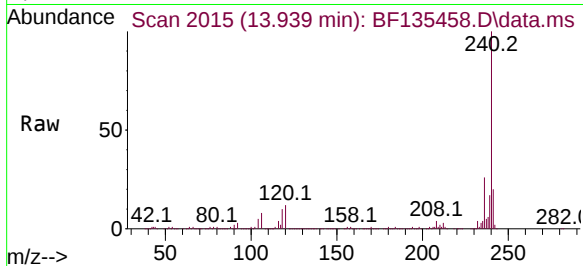




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

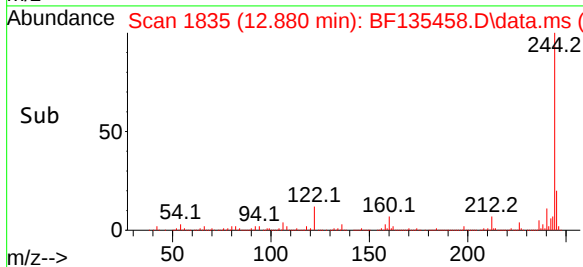
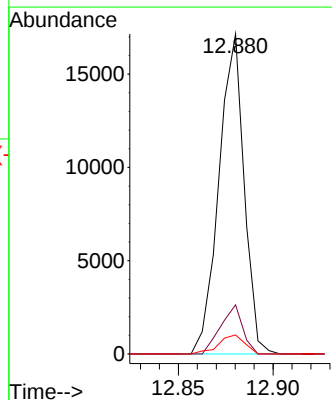
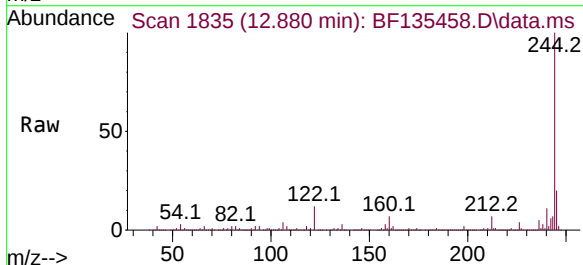
Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:240 Resp: 290584
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.9 19.8 29.8



#77
Benzidine
Concen: 2.664 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.247 min
Lab File: BF135458.D
Acq: 26 Sep 2023 17:56

Tgt Ion:184 Resp: 15862
Ion Ratio Lower Upper
184 100
185 15.4 11.7 17.5
183 5.9 8.2 12.4

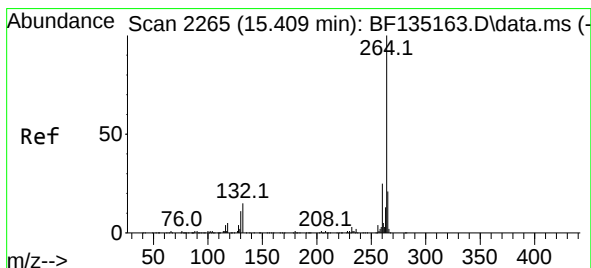
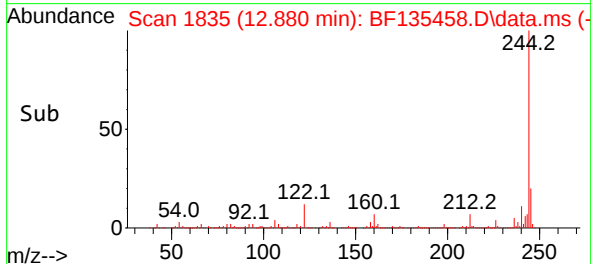
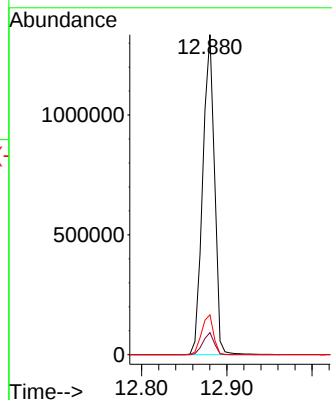
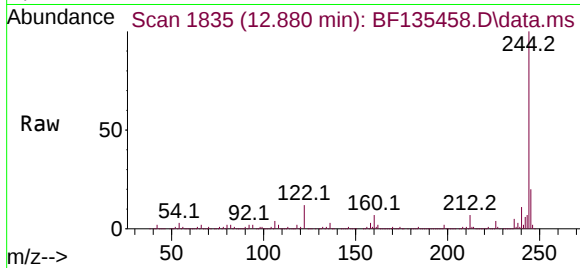




#79
 Terphenyl-d14
 Concen: 68.327 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.000 min
 Lab File: BF135458.D
 Acq: 26 Sep 2023 17:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Tgt Ion:244 Resp: 1280795
 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: 15.404 min Scan# 2264
 Delta R.T. -0.000 min
 Lab File: BF135458.D
 Acq: 26 Sep 2023 17:56

Tgt Ion:264 Resp: 322559
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 22.3 17.0 25.4

