

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135842.D
 Acq On : 18 Oct 2023 12:31
 Operator : CG\JU
 Sample : 04765-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-2

Quant Time: Oct 19 01:19:22 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)

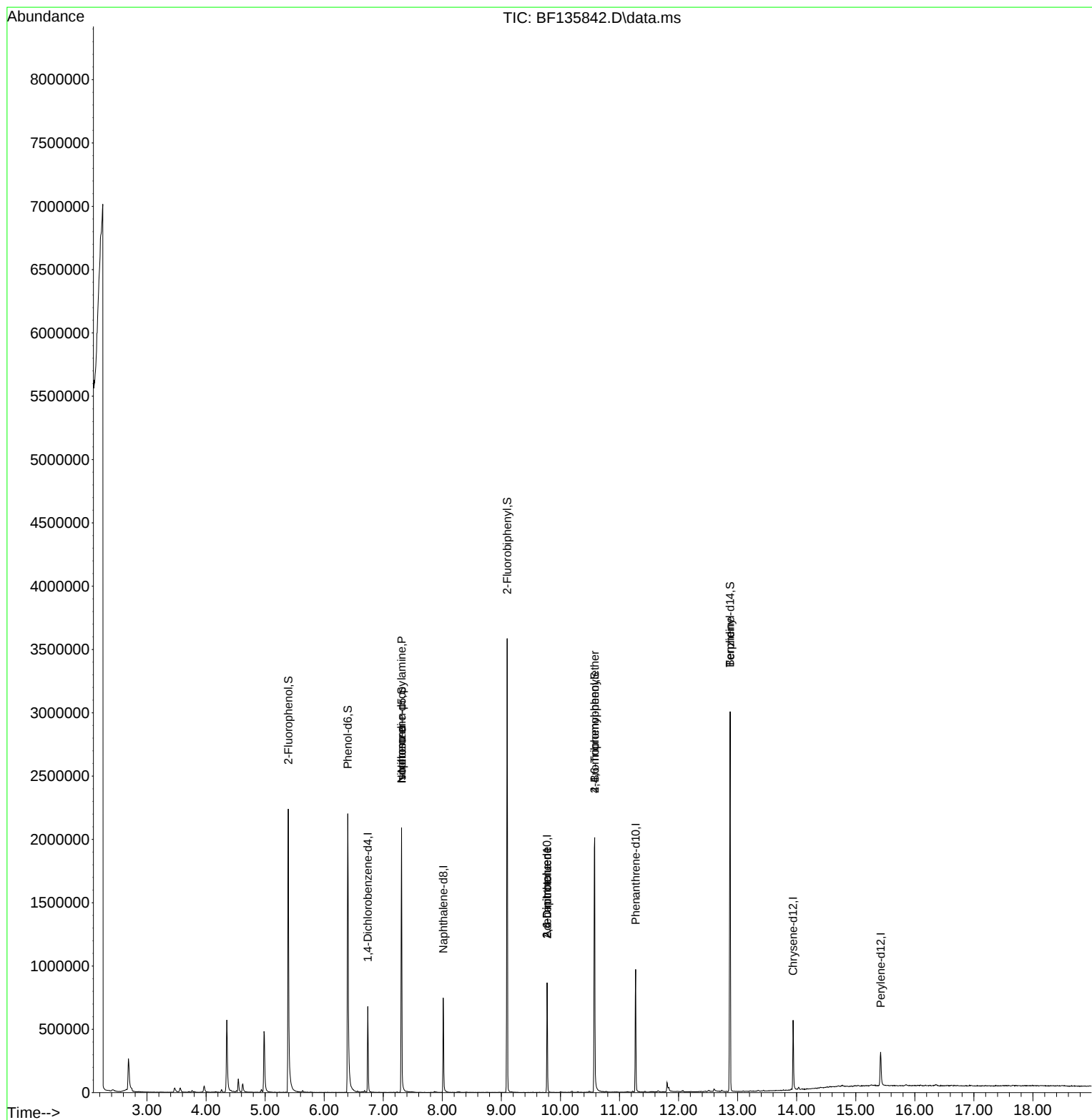
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	91528	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	323362	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	164715	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	357839	20.000	ng	0.00
76) Chrysene-d12	13.939	240	185259	20.000	ng	-0.01
86) Perylene-d12	15.421	264	136994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	680496	119.534	ng	0.02
7) Phenol-d6	6.398	99	857612	120.736	ng	0.00
23) Nitrobenzene-d5	7.310	82	619969	105.448	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	280863	177.697	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1060825	100.696	ng	0.00
79) Terphenyl-d14	12.874	244	1093629	109.323	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	81674	18.596	ng	Qvalue # 79
25) Isophorone	7.310	82	619969	55.894	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	20598	8.614	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	20598	6.771	ng	# 24
67) 4-Bromophenyl-phenylether	10.580	248	17108	4.763	ng	# 1
77) Benzidine	12.874	184	13363	3.306	ng	# 94

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

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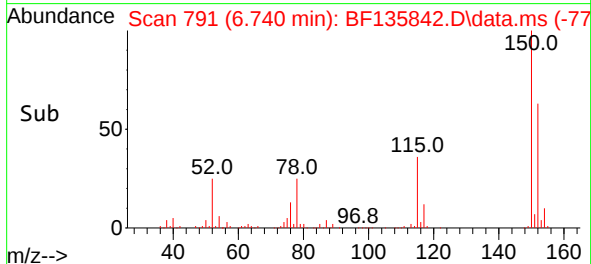
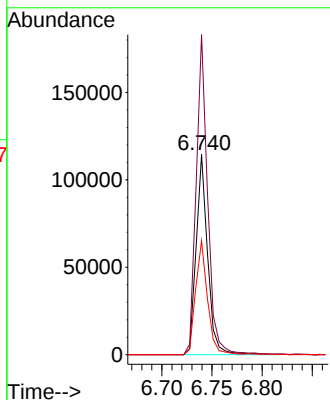
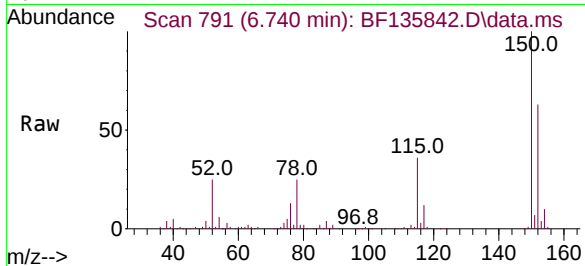




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

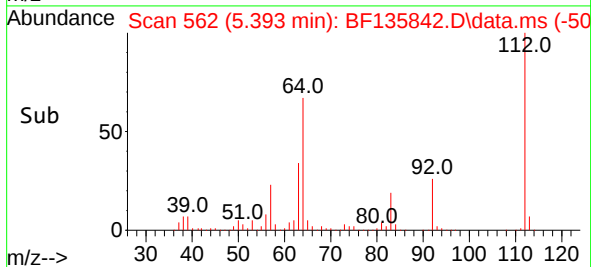
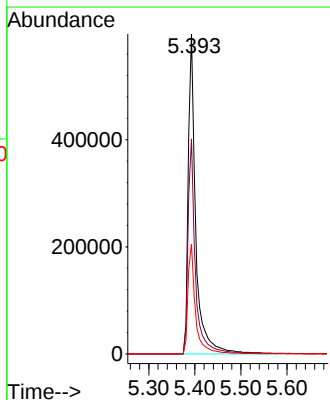
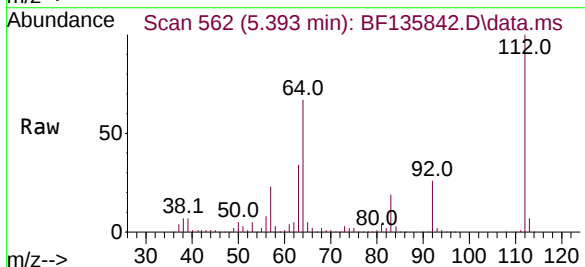
Instrument :
BNA_F
ClientSampleId :
TT-2

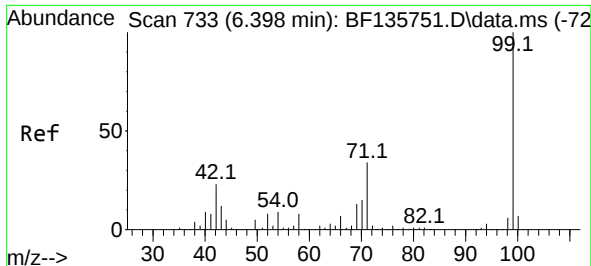
Tgt Ion:152 Resp: 91528
Ion Ratio Lower Upper
152 100
150 159.9 124.5 186.7
115 56.9 49.0 73.4



#5
2-Fluorophenol
Concen: 119.534 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.018 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

Tgt Ion:112 Resp: 680496
Ion Ratio Lower Upper
112 100
64 67.2 51.2 76.8
63 34.4 26.1 39.1

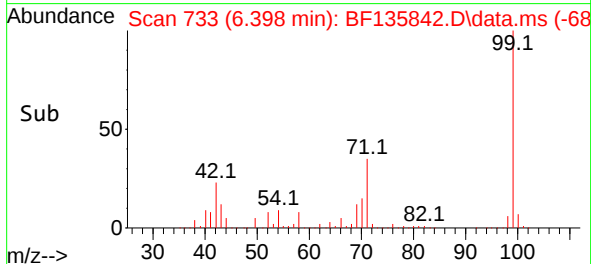
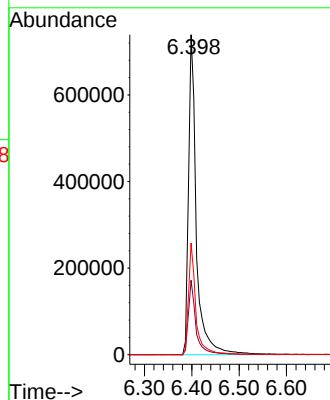
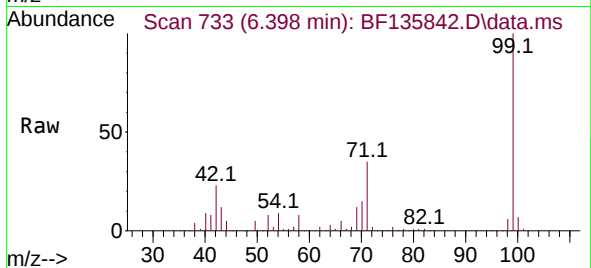




#7
Phenol-d6
Concen: 120.736 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

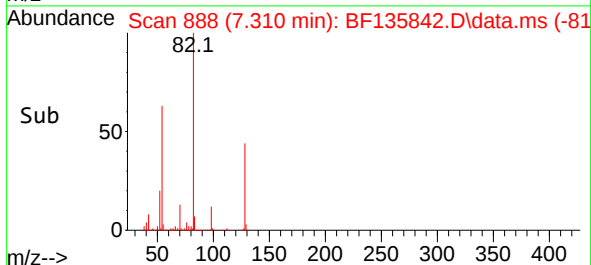
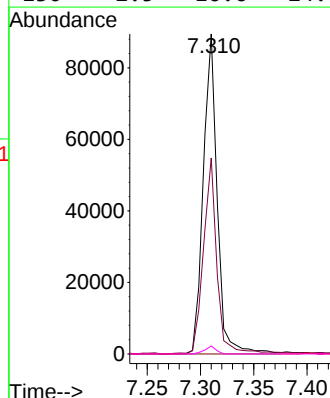
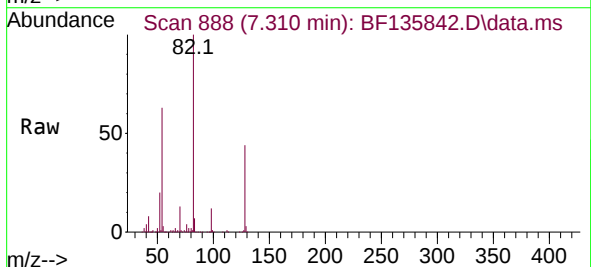
Instrument :
BNA_F
ClientSampleId :
TT-2

Tgt Ion: 99 Resp: 857612
Ion Ratio Lower Upper
99 100
42 23.3 18.4 27.6
71 34.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.596 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

Tgt Ion: 70 Resp: 81674
Ion Ratio Lower Upper
70 100
42 61.2 59.8 89.6
101 0.0 7.4 11.2#
130 2.5 16.6 24.8#

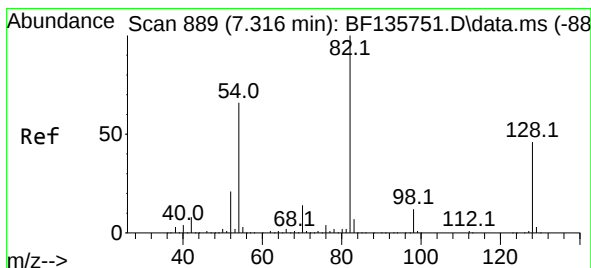
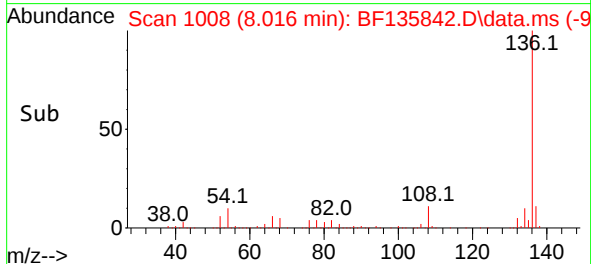
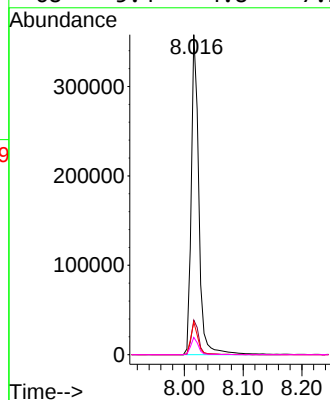
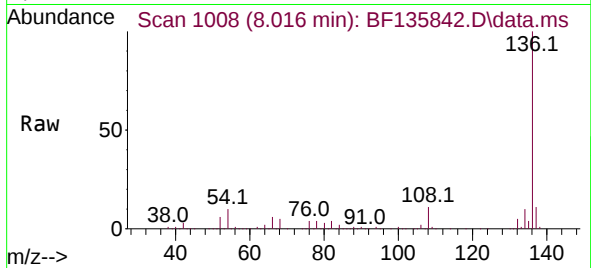




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

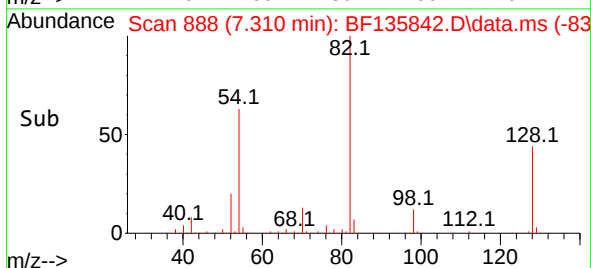
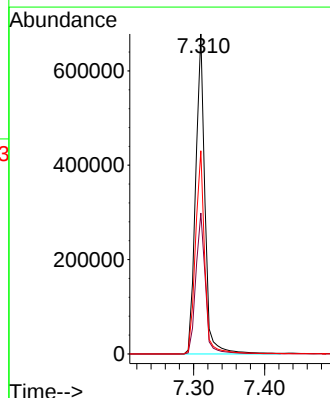
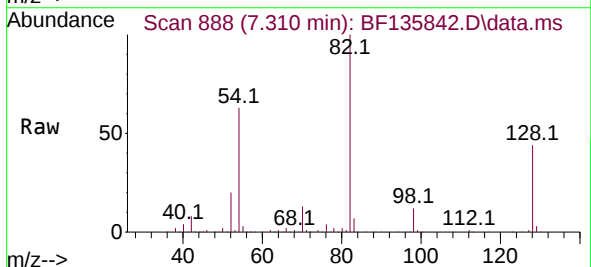
Instrument :
BNA_F
ClientSampleId :
TT-2

Tgt Ion:136 Resp: 323362
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.2 8.5 12.7
68 5.4 4.8 7.2



#23
Nitrobenzene-d5
Concen: 105.448 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

Tgt Ion: 82 Resp: 619969
Ion Ratio Lower Upper
82 100
128 44.1 37.0 55.6
54 63.5 52.8 79.2

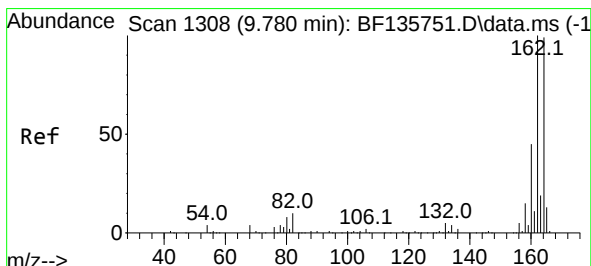
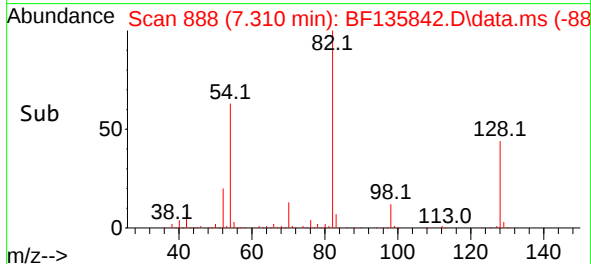
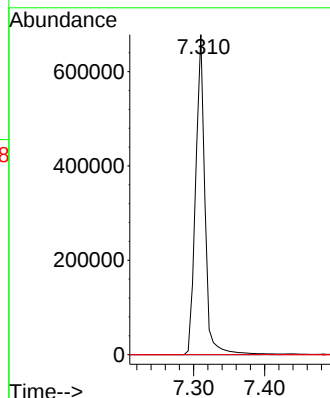
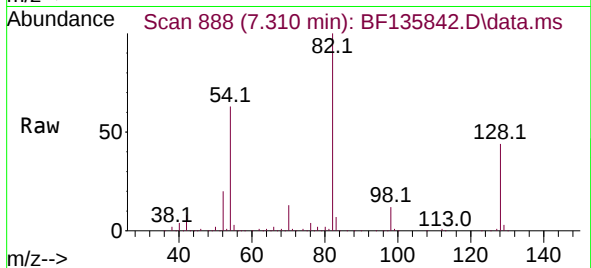




#25
Isophorone
Concen: 55.894 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

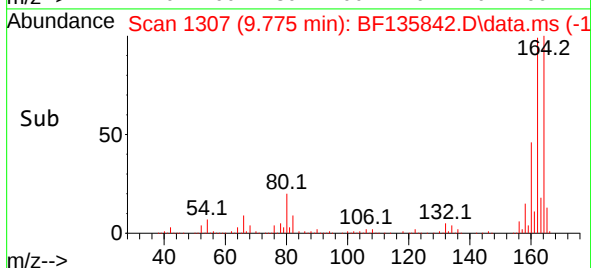
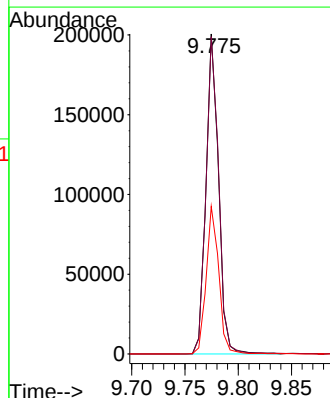
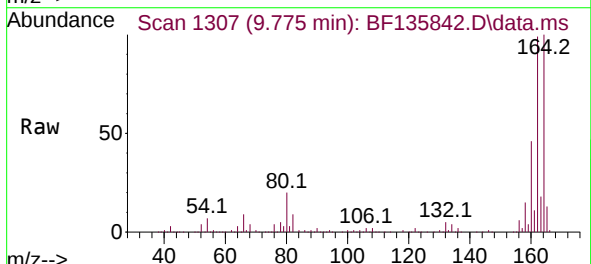
Instrument :
BNA_F
ClientSampleId :
TT-2

Tgt Ion: 82 Resp: 619969
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: BF135842.D
Acq: 18 Oct 2023 12:31

Tgt Ion: 164 Resp: 164715
Ion Ratio Lower Upper
164 100
162 99.2 80.8 121.2
160 46.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 177.697 ng

RT: 10.580 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

Instrument :

BNA_F

ClientSampleId :

TT-2

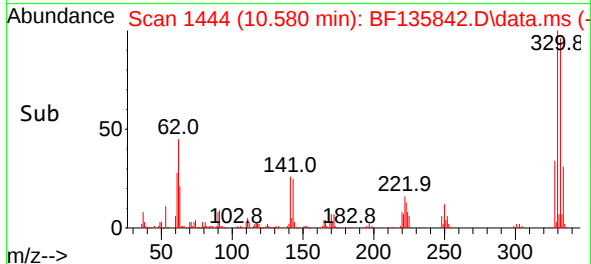
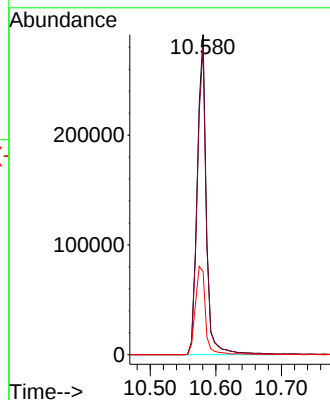
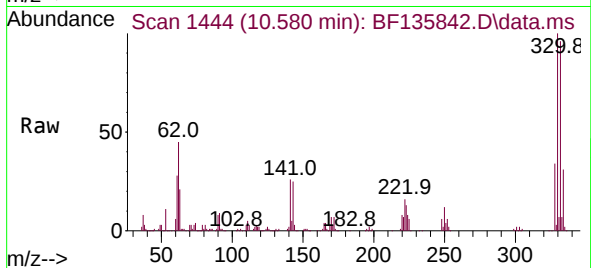
Tgt Ion:330 Resp: 280863

Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.4

141 30.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 100.696 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

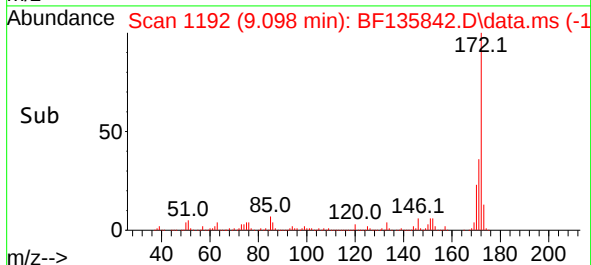
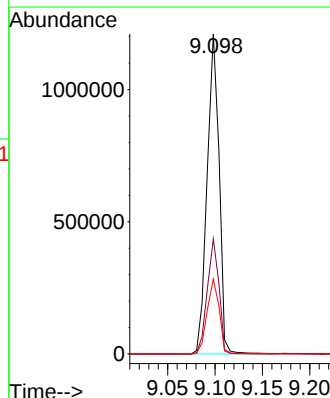
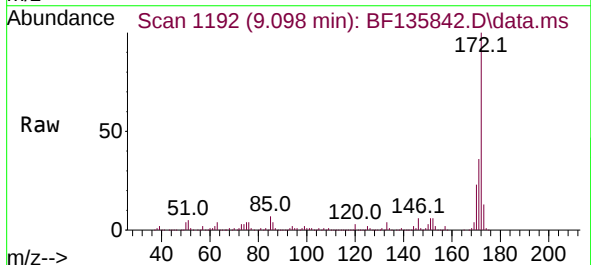
Tgt Ion:172 Resp: 1060825

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.4 18.8 28.2

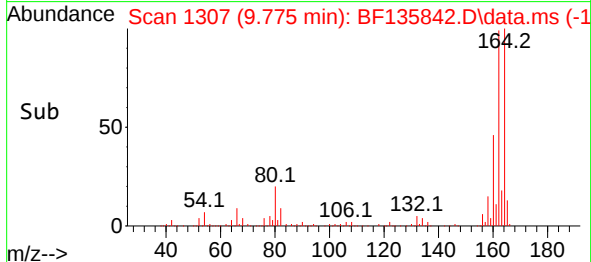
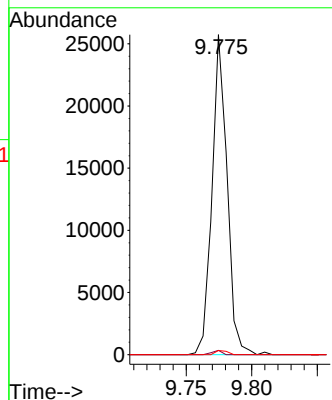
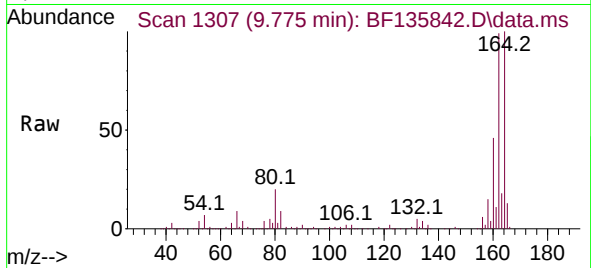




#51
2,6-Dinitrotoluene
Concen: 8.614 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

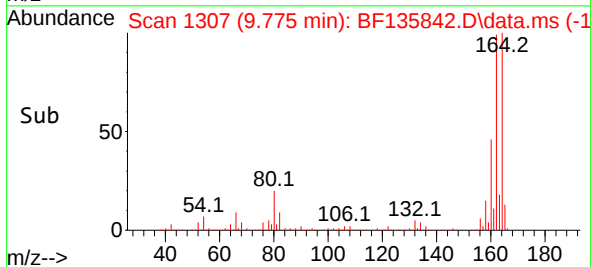
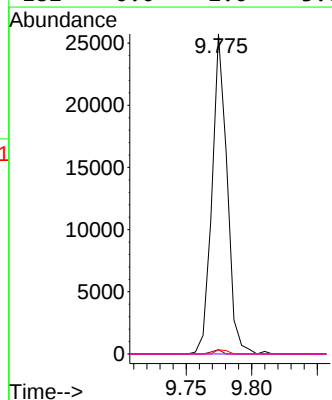
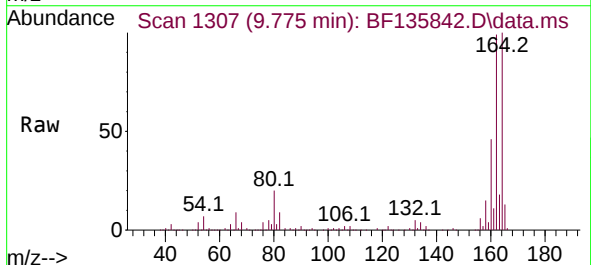
Instrument :
BNA_F
ClientSampleId :
TT-2

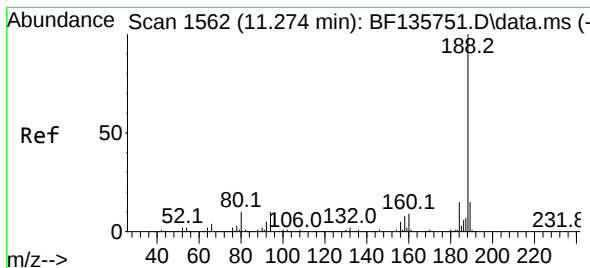
Tgt Ion:165 Resp: 20598
Ion Ratio Lower Upper
165 100
63 1.4 62.2 93.4#
89 1.3 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.771 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135842.D
Acq: 18 Oct 2023 12:31

Tgt Ion:165 Resp: 20598
Ion Ratio Lower Upper
165 100
63 1.4 39.0 58.4#
89 1.3 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

Instrument :

BNA_F

ClientSampleId :

TT-2

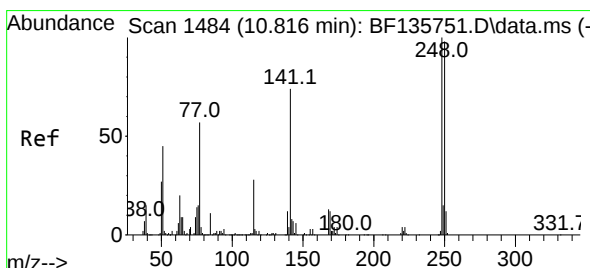
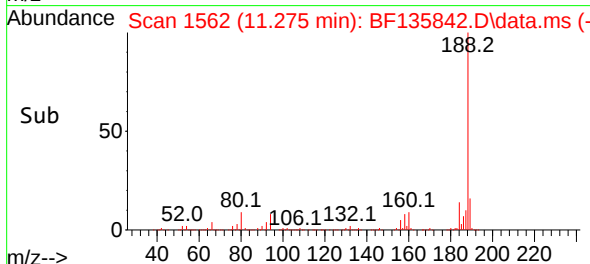
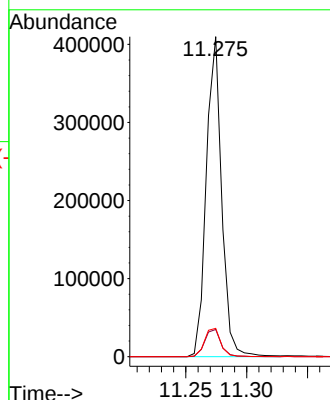
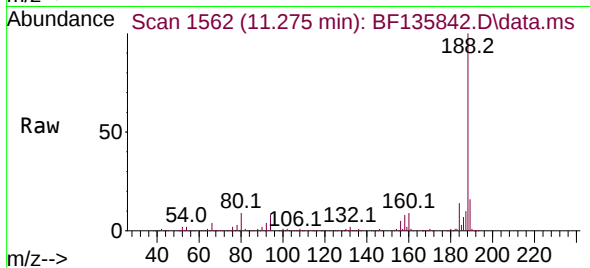
Tgt Ion:188 Resp: 357839

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

80 8.9 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.763 ng

RT: 10.580 min Scan# 1444

Delta R.T. -0.241 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

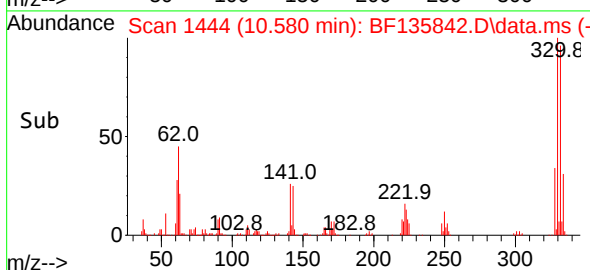
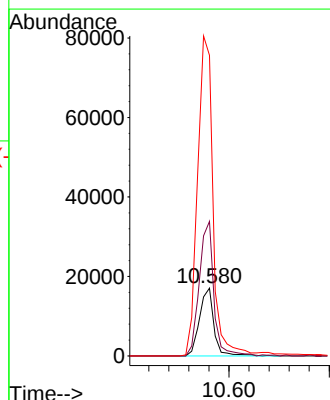
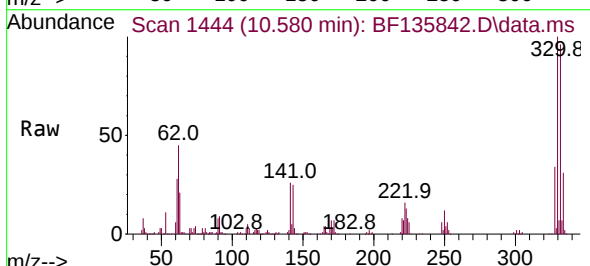
Tgt Ion:248 Resp: 17108

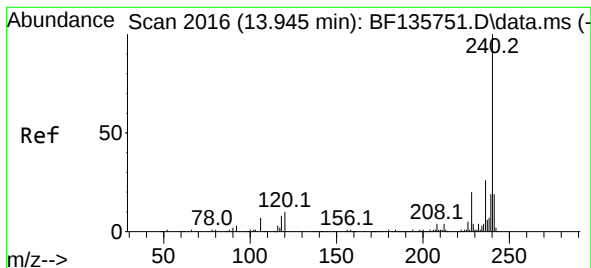
Ion Ratio Lower Upper

248 100

250 198.2 78.0 117.0#

141 443.0 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

Instrument :

BNA_F

ClientSampleId :

TT-2

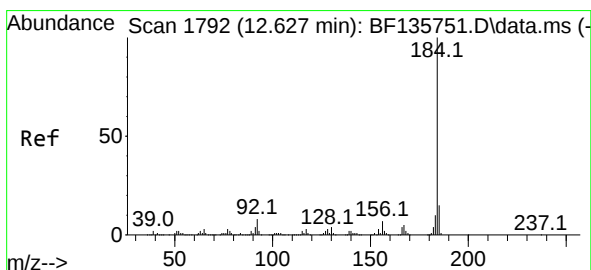
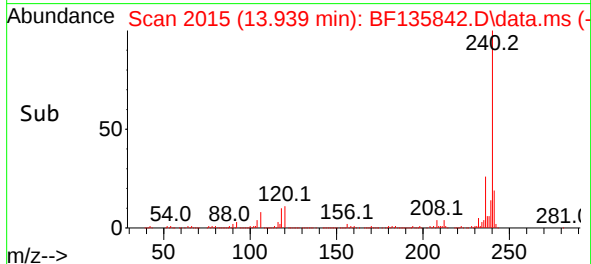
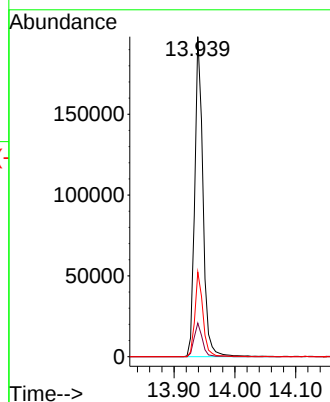
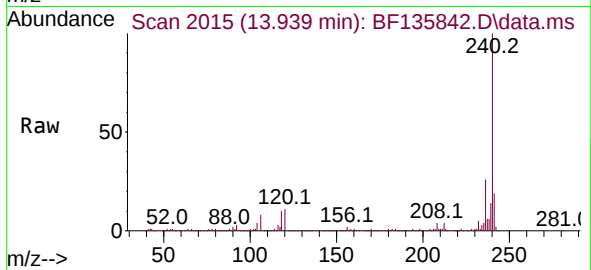
Tgt Ion:240 Resp: 185259

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 26.5 21.2 31.8



#77

Benzdine

Concen: 3.306 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.241 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

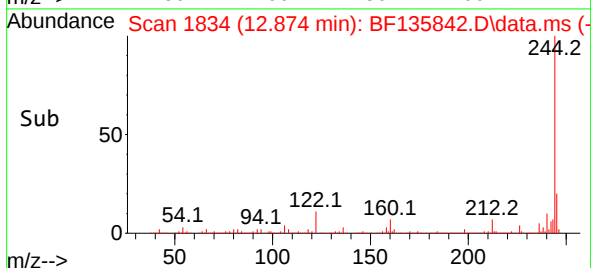
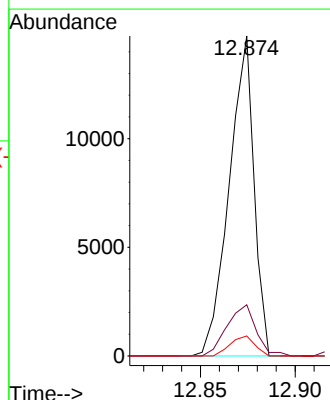
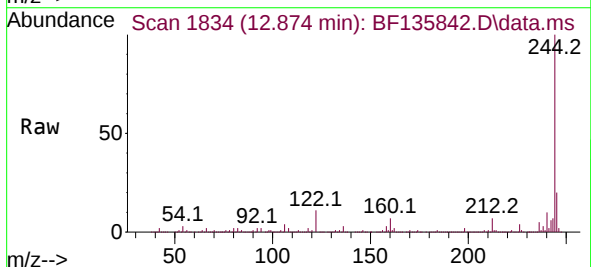
Tgt Ion:184 Resp: 13363

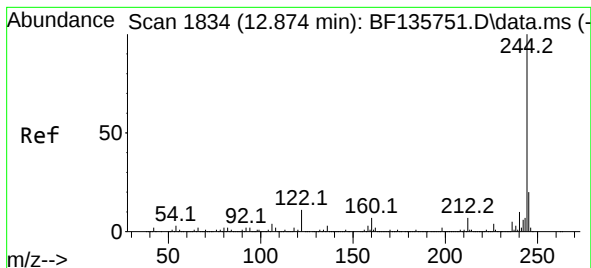
Ion Ratio Lower Upper

184 100

185 16.0 12.0 18.0

183 6.3 8.2 12.2#





#79

Terphenyl-d14

Concen: 109.323 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

Instrument :

BNA_F

ClientSampleId :

TT-2

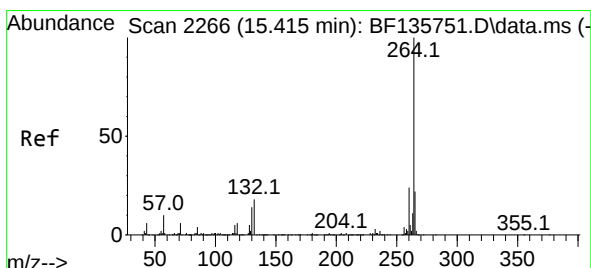
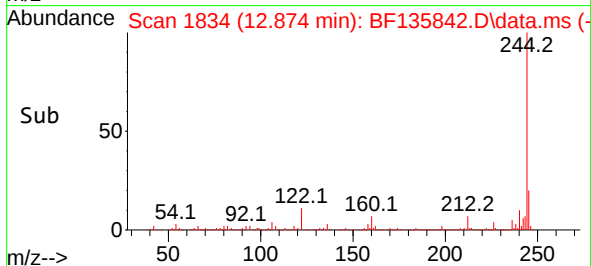
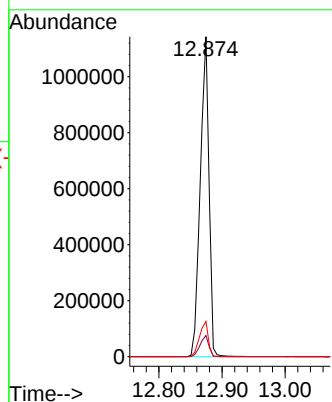
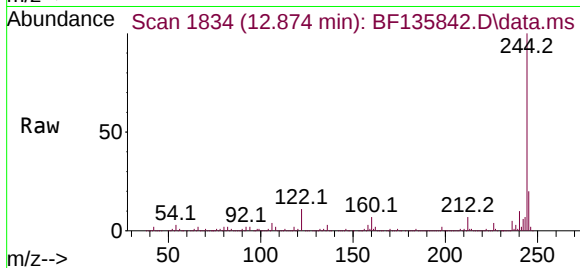
Tgt Ion:244 Resp: 1093629

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.0 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.000 min

Lab File: BF135842.D

Acq: 18 Oct 2023 12:31

Tgt Ion:264 Resp: 136994

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.3 17.4 26.2

