

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135850.D
 Acq On : 18 Oct 2023 16:38
 Operator : CG\JU
 Sample : 04767-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-2

Quant Time: Oct 19 01:20:07 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)

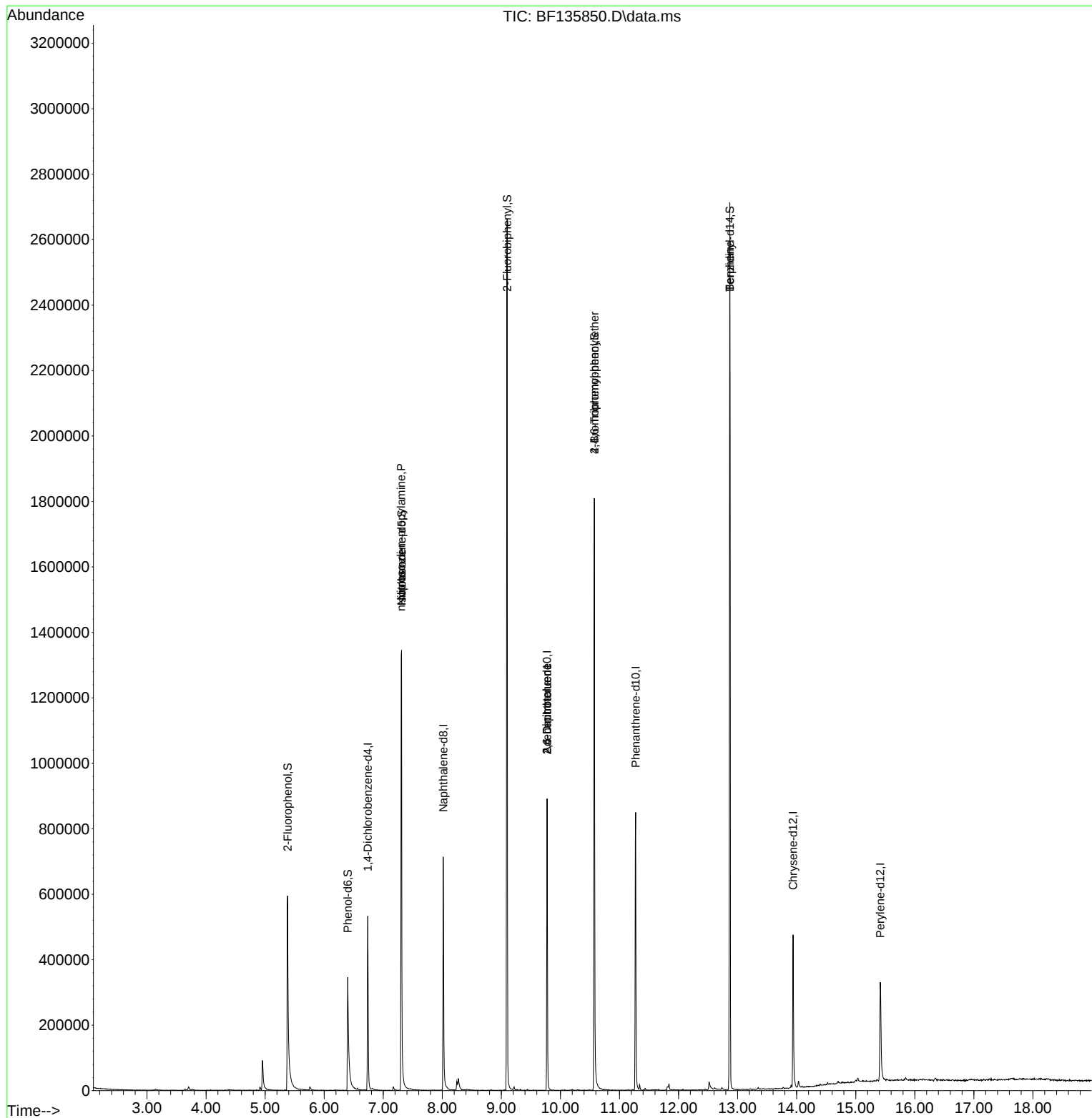
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	82140	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	318519	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	171849	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	347295	20.000	ng	0.00
76) Chrysene-d12	13.939	240	168892	20.000	ng	-0.01
86) Perylene-d12	15.415	264	173658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	257581	50.417	ng	0.00
7) Phenol-d6	6.398	99	191289	30.008	ng	0.00
23) Nitrobenzene-d5	7.310	82	454979	78.562	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	219597	133.167	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	858464	78.104	ng	0.00
79) Terphenyl-d14	12.868	244	990713	108.632	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	60955	15.465	ng	# 75
25) Isophorone	7.310	82	454979	41.643	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	21762	8.723	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	21762	6.857	ng	# 23
67) 4-Bromophenyl-phenylether	10.574	248	12848	3.685	ng	# 1
77) Benzidine	12.868	184	11491	3.118	ng	# 92

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

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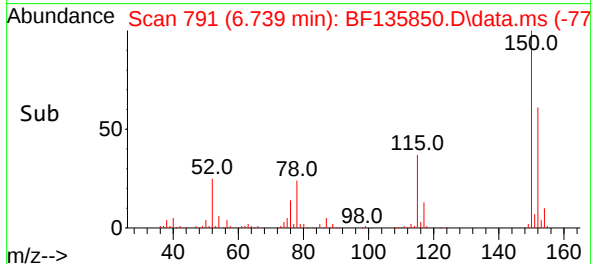
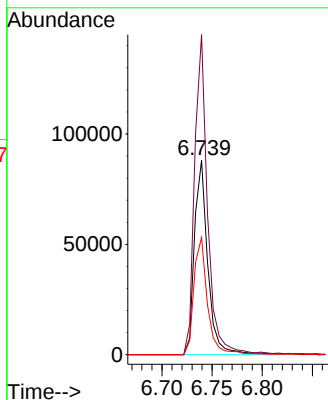
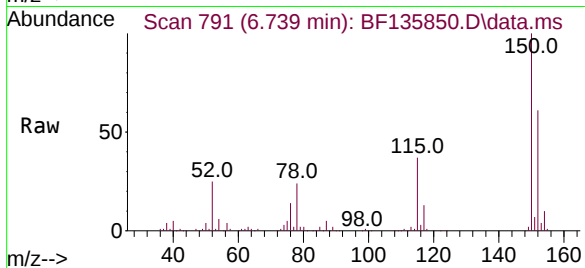




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

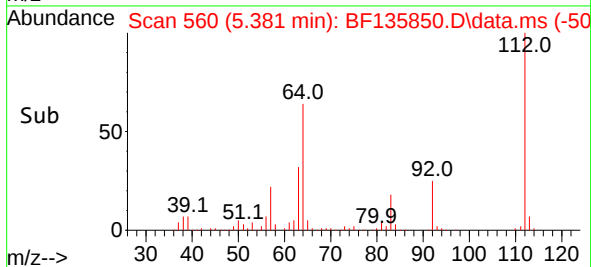
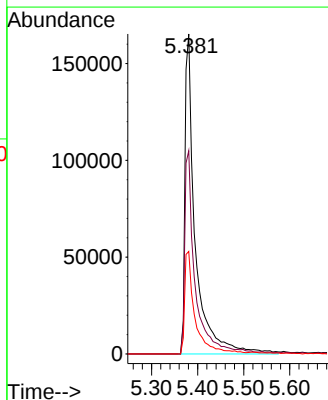
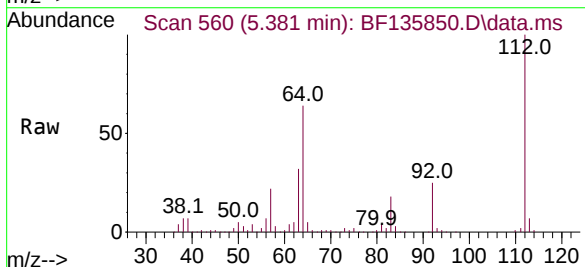
Instrument :
BNA_F
ClientSampleId :
FB-2

Tgt Ion:152 Resp: 82140
Ion Ratio Lower Upper
152 100
150 164.5 124.5 186.7
115 60.2 49.0 73.4



#5
2-Fluorophenol
Concen: 50.417 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion:112 Resp: 257581
Ion Ratio Lower Upper
112 100
64 63.5 51.2 76.8
63 32.1 26.1 39.1

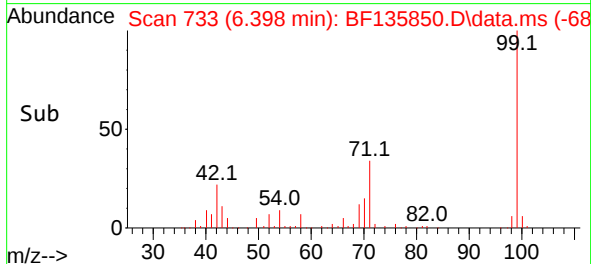
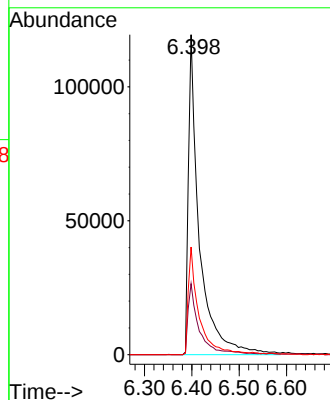
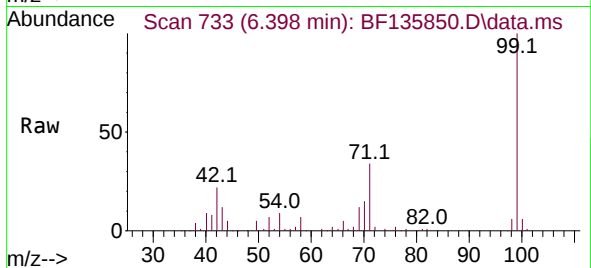




#7
Phenol-d6
Concen: 30.008 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

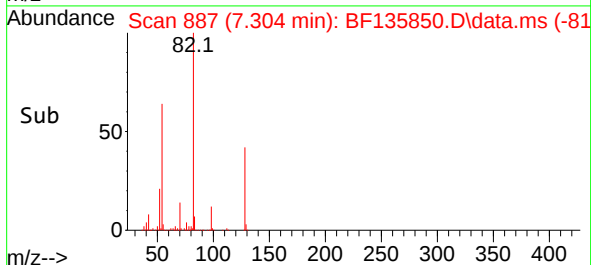
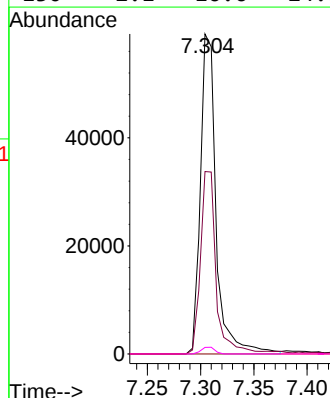
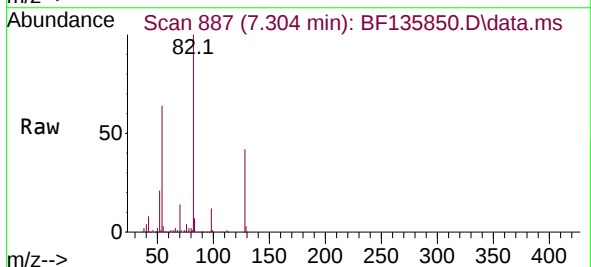
Instrument :
BNA_F
ClientSampleId :
FB-2

Tgt Ion: 99 Resp: 191289
Ion Ratio Lower Upper
99 100
42 22.2 18.4 27.6
71 33.6 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.465 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion: 70 Resp: 60955
Ion Ratio Lower Upper
70 100
42 57.0 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#



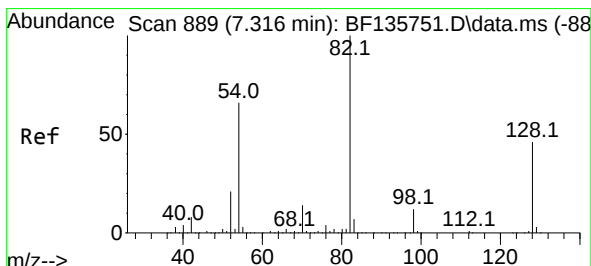
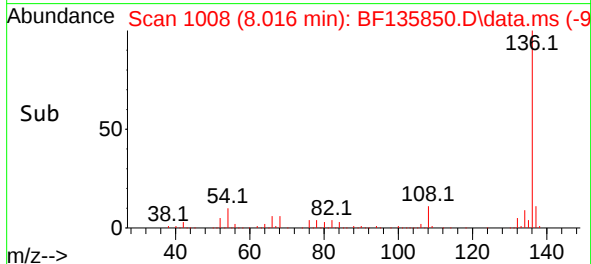
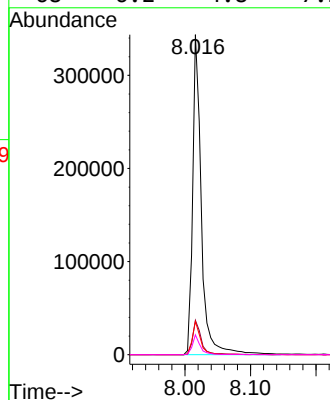
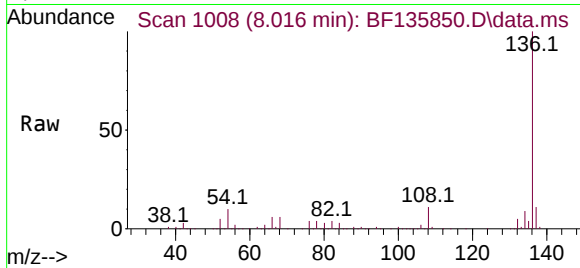


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Instrument :
BNA_F
ClientSampleId :
FB-2

Tgt Ion:136 Resp: 318519

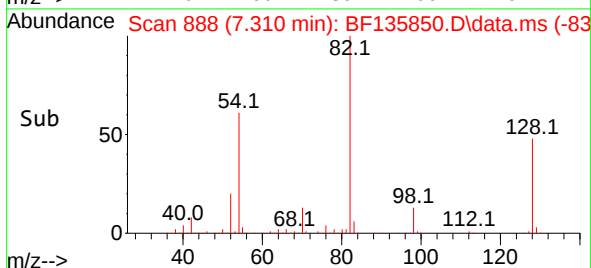
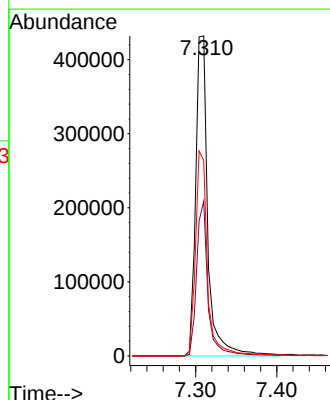
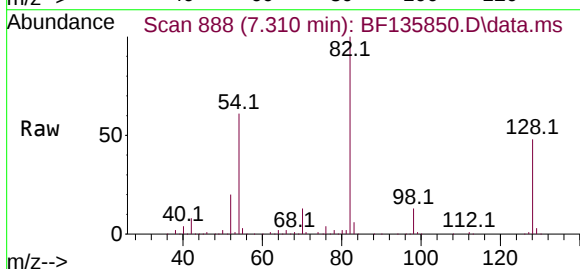
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.4	8.5	12.7
68	6.2	4.8	7.2



#23
Nitrobenzene-d5
Concen: 78.562 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion: 82 Resp: 454979

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.0	55.6
54	61.1	52.8	79.2

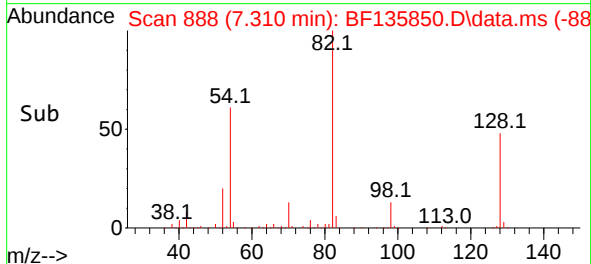
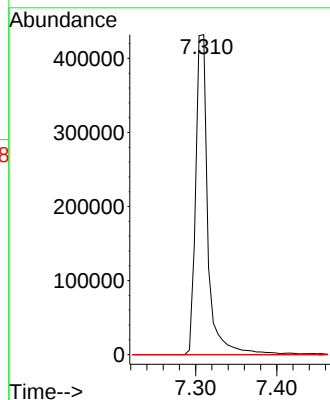
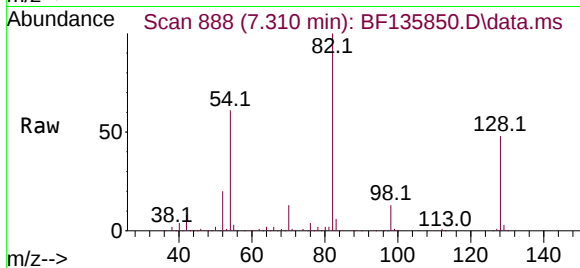




#25
Isophorone
Concen: 41.643 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

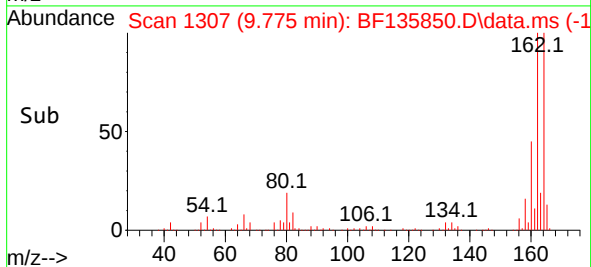
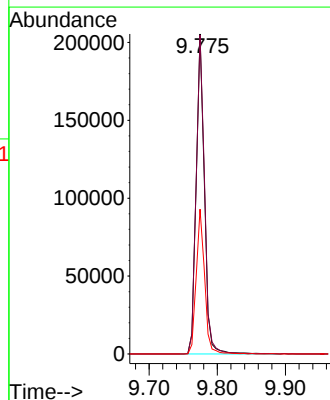
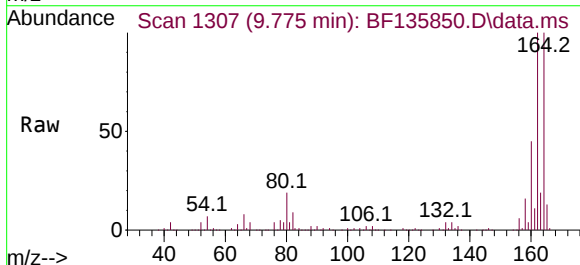
Instrument :
BNA_F
ClientSampleId :
FB-2

Tgt Ion: 82 Resp: 454979
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: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion:164 Resp: 171849
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 45.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 133.167 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135850.D

Acq: 18 Oct 2023 16:38

Instrument :

BNA_F

ClientSampleId :

FB-2

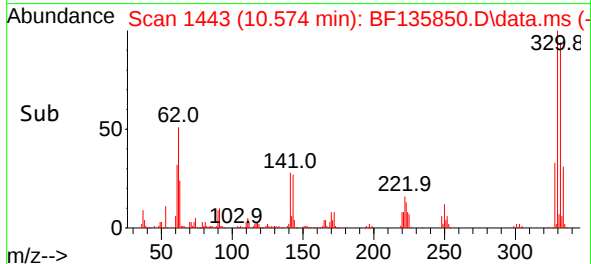
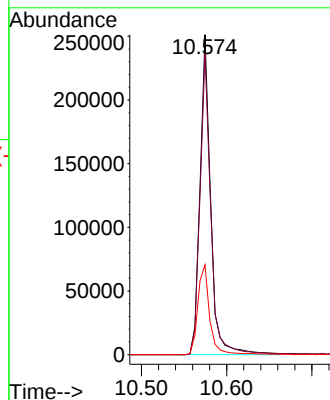
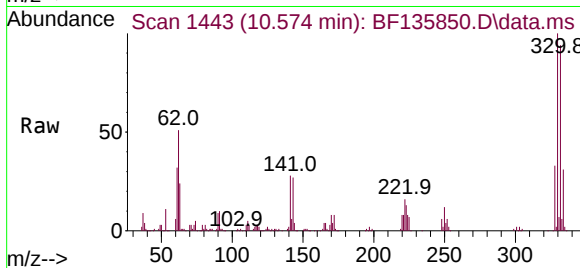
Tgt Ion:330 Resp: 219597

Ion Ratio Lower Upper

330 100

332 95.6 75.0 112.4

141 31.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 78.104 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135850.D

Acq: 18 Oct 2023 16:38

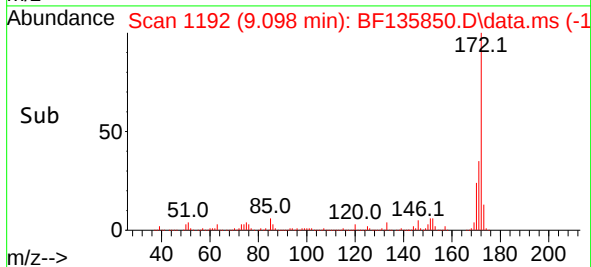
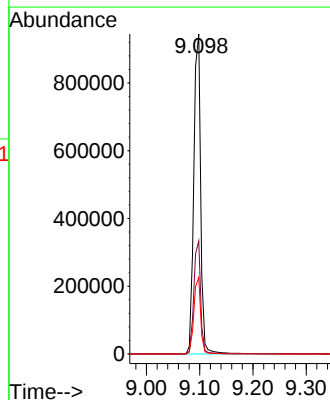
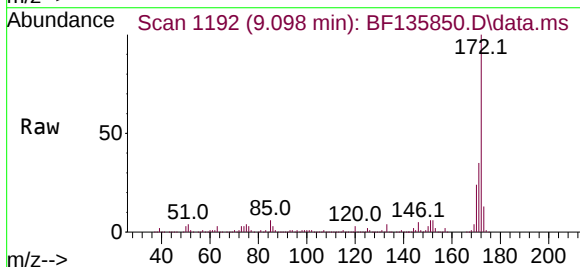
Tgt Ion:172 Resp: 858464

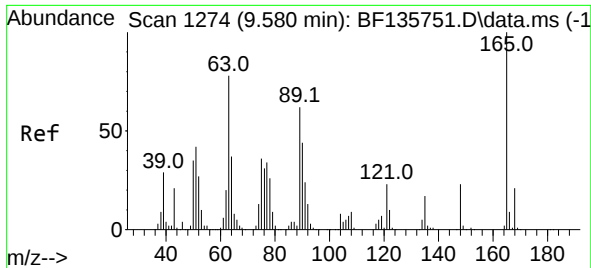
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.9 18.8 28.2

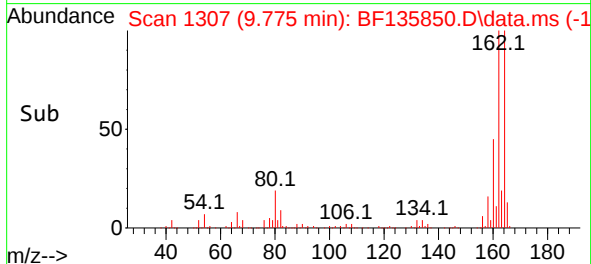
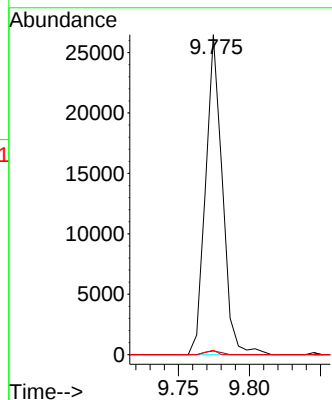
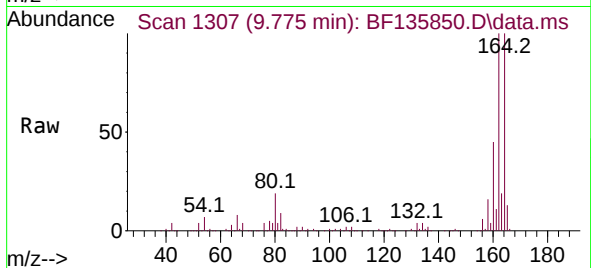




#51
2,6-Dinitrotoluene
Concen: 8.723 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

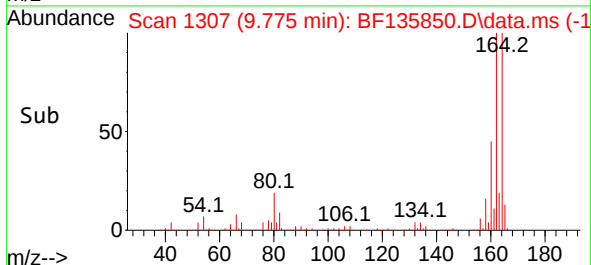
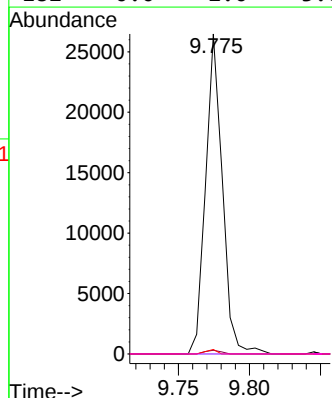
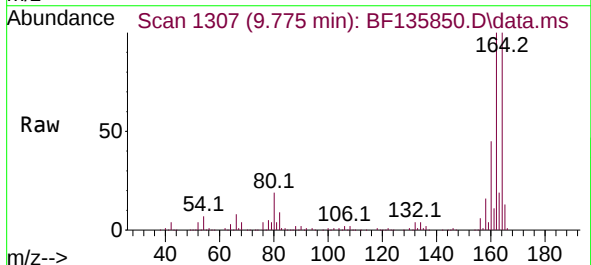
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BNA_F
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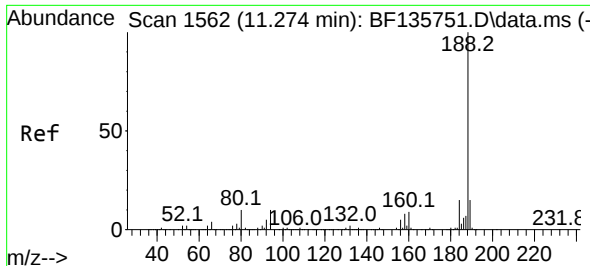
Tgt Ion:165 Resp: 21762
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 1.4 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.857 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion:165 Resp: 21762
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.4 55.9 83.9#
182 0.0 2.0 3.0#

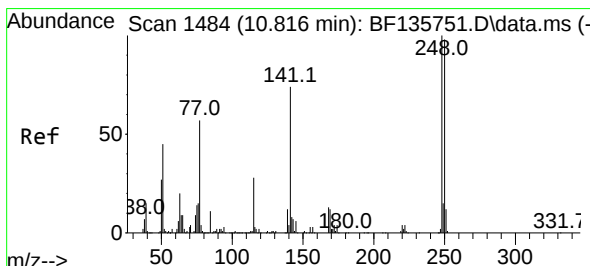
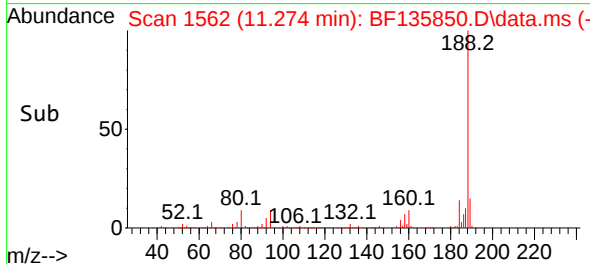
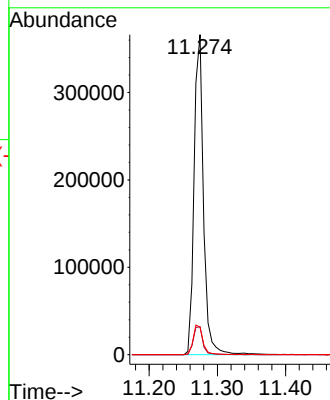
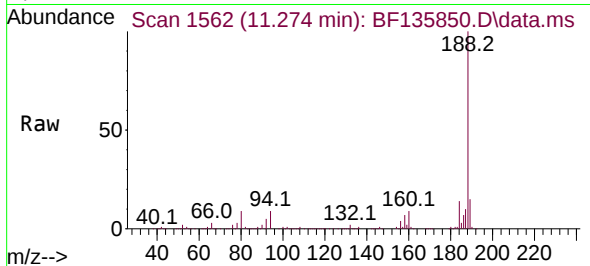




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

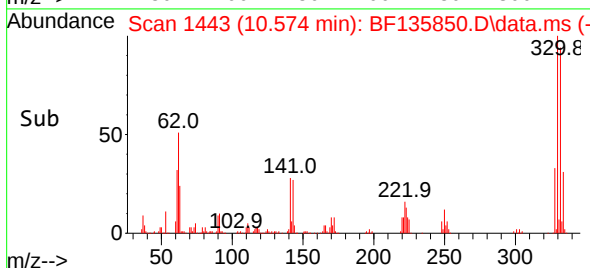
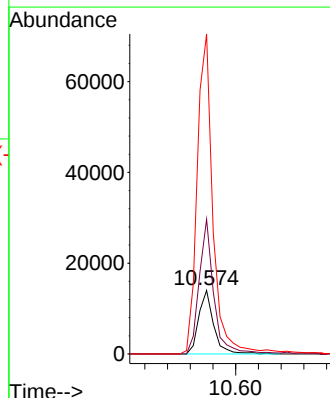
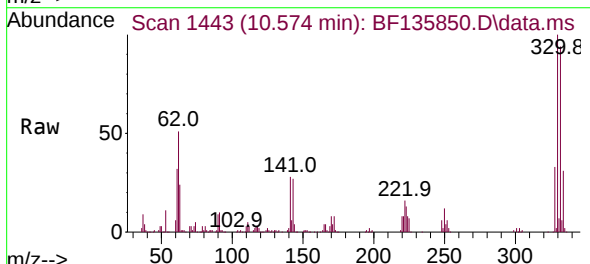
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BNA_F
ClientSampleId :
FB-2

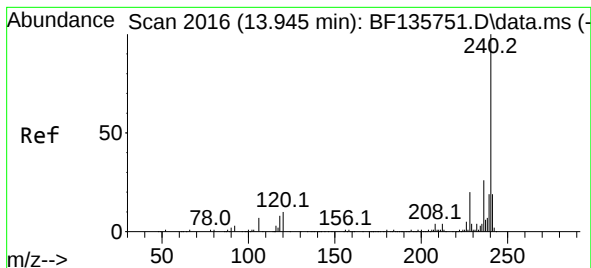
Tgt Ion:188 Resp: 347295
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 8.7 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.685 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135850.D
Acq: 18 Oct 2023 16:38

Tgt Ion:248 Resp: 12848
Ion Ratio Lower Upper
248 100
250 212.0 78.0 117.0#
141 503.7 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: BF135850.D

Acq: 18 Oct 2023 16:38

Instrument :

BNA_F

ClientSampleId :

FB-2

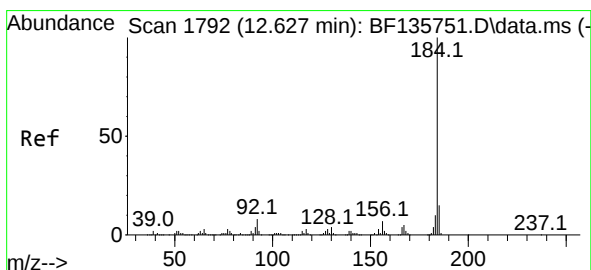
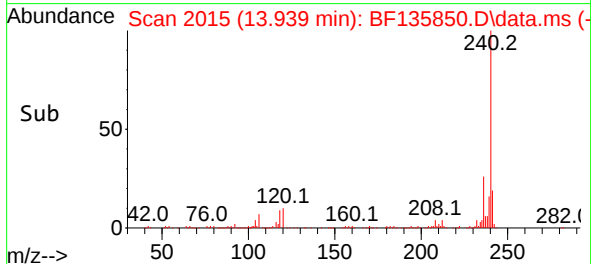
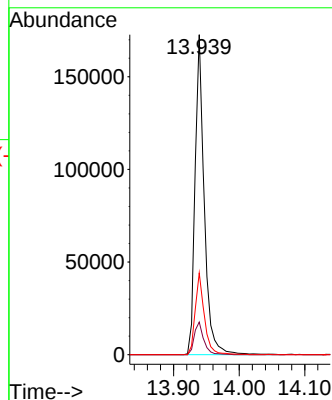
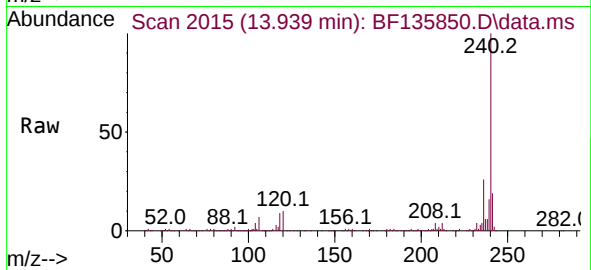
Tgt Ion:240 Resp: 168892

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 25.5 21.2 31.8



#77

Benzdine

Concen: 3.118 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135850.D

Acq: 18 Oct 2023 16:38

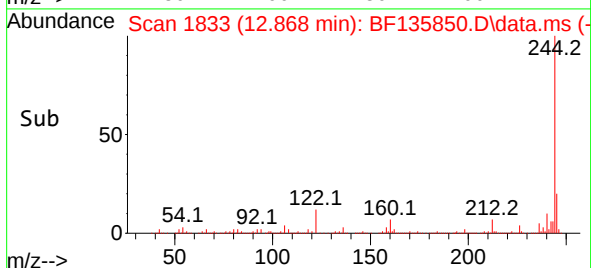
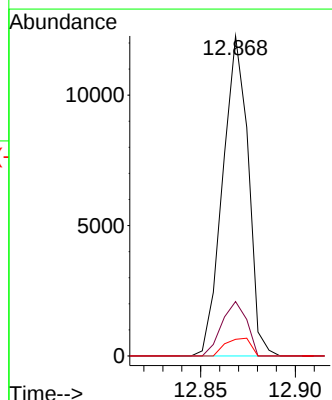
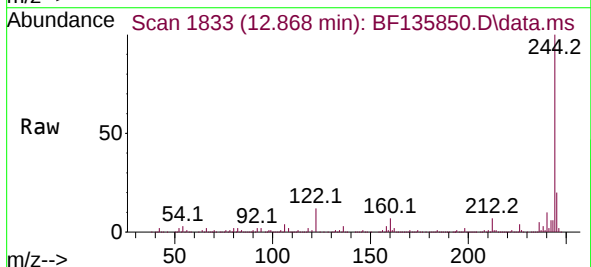
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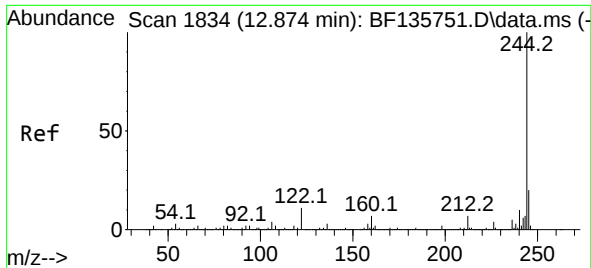
Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 5.2 8.2 12.2#

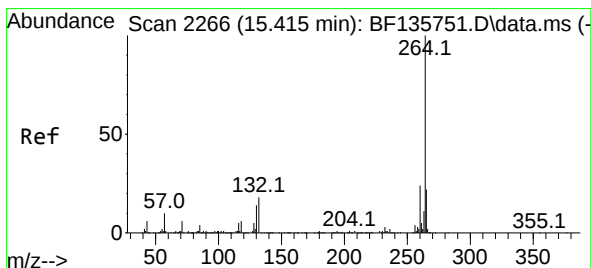
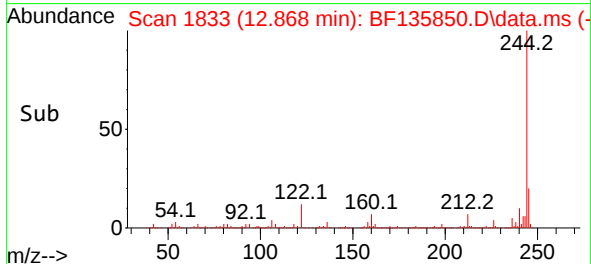
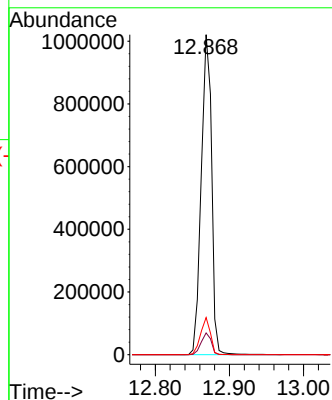
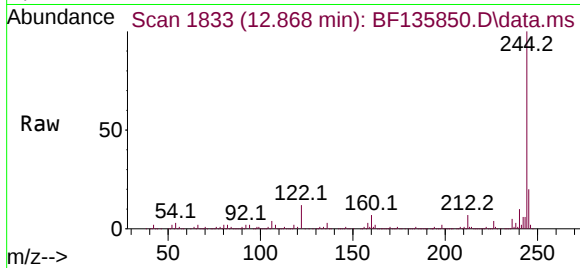




#79
 Terphenyl-d14
 Concen: 108.632 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135850.D
 Acq: 18 Oct 2023 16:38

Instrument :
 BNA_F
 ClientSampleId :
 FB-2

Tgt Ion:244 Resp: 990713
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.6 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: BF135850.D
 Acq: 18 Oct 2023 16:38

Tgt Ion:264 Resp: 173658
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.2 17.4 26.2

