

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
 Data File : BF135905.D
 Acq On : 20 Oct 2023 13:28
 Operator : CG\JU
 Sample : PB156209BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB156209BL

Quant Time: Oct 20 14:08:50 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)

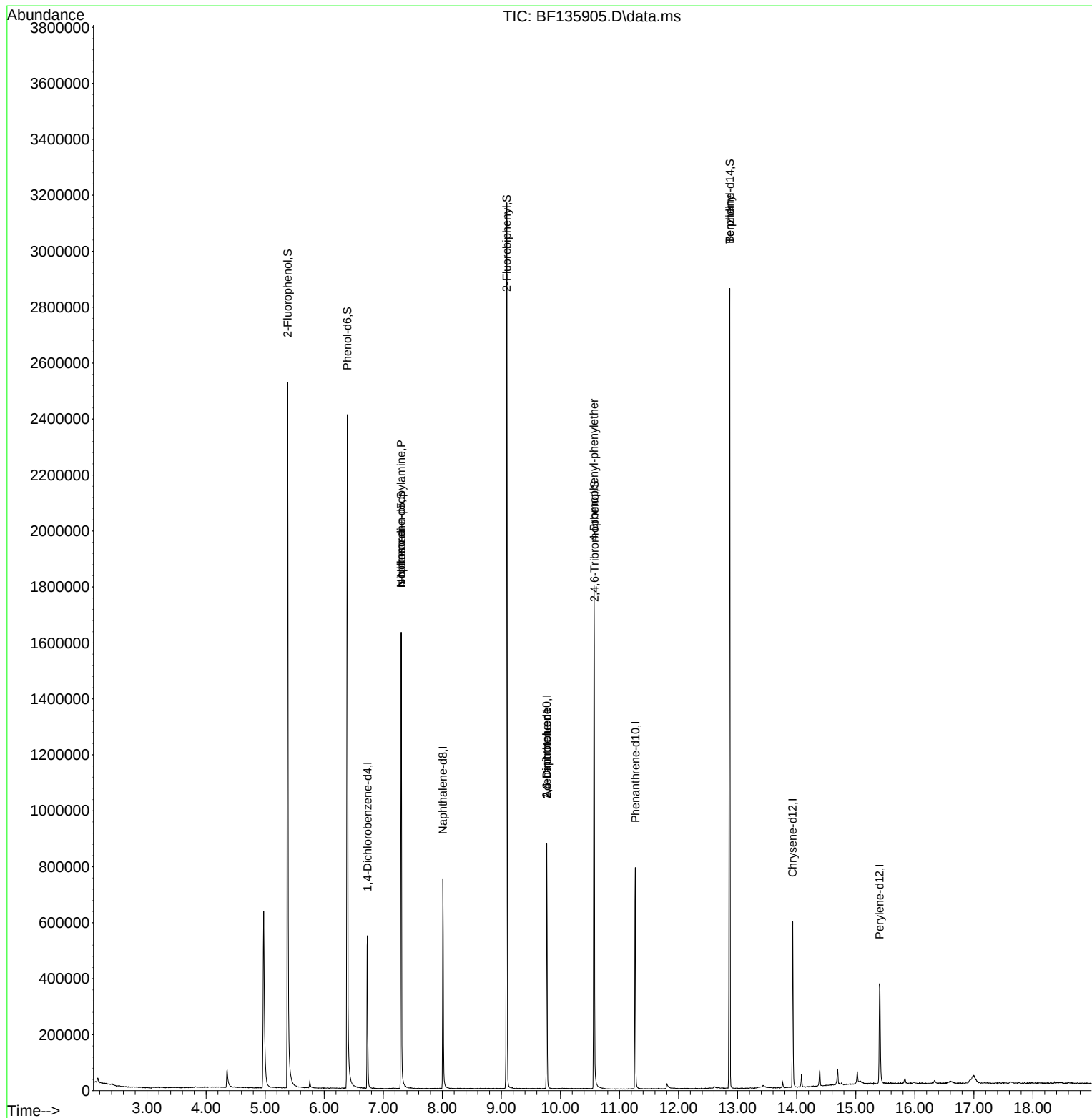
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.733	152	85530	20.000	ng	-0.01
21) Naphthalene-d8	8.010	136	334276	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	173053	20.000	ng	-0.02
64) Phenanthrene-d10	11.268	188	304239	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	209418	20.000	ng	-0.02
86) Perylene-d12	15.404	264	179735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	742298	139.534	ng	0.00
7) Phenol-d6	6.392	99	886594	133.569	ng	0.00
23) Nitrobenzene-d5	7.304	82	519657	85.500	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	241954	145.704	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1005866	90.879	ng	-0.01
79) Terphenyl-d14	12.868	244	1066793	94.338	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	69632	16.966	ng	# 76
25) Isophorone	7.304	82	519657	45.321	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	21749	8.657	ng	# 16
57) 2,4-Dinitrotoluene	9.769	165	21749	6.805	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	14244	4.664	ng	# 1
77) Benzidine	12.868	184	12933	2.830	ng	# 95

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

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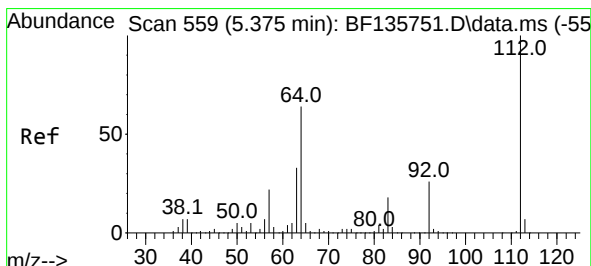
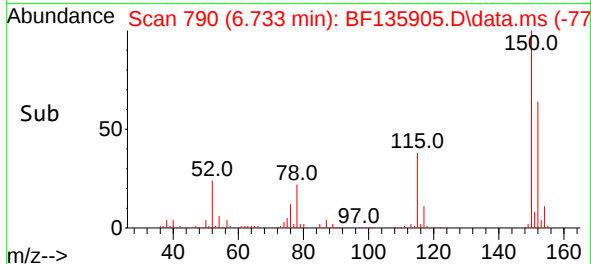
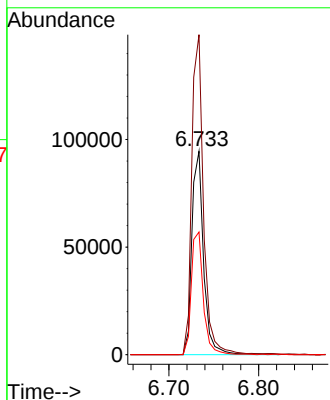
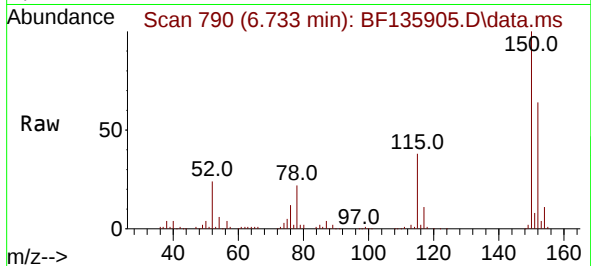




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.733 min Scan# 791
 Delta R.T. -0.013 min
 Lab File: BF135905.D
 Acq: 20 Oct 2023 13:28

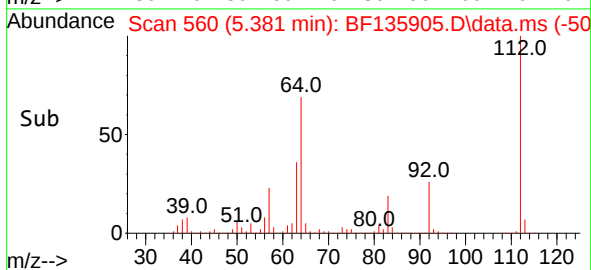
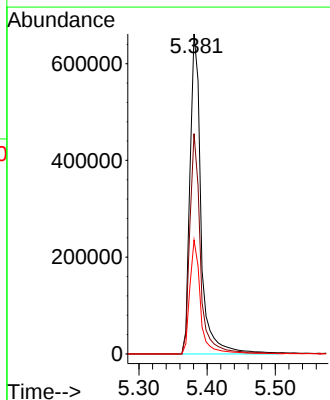
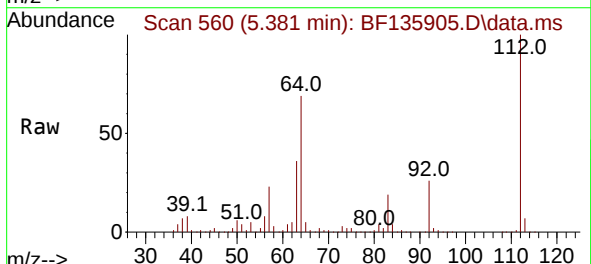
Instrument :
 BNA_F
 ClientSampleId :
 PB156209BL

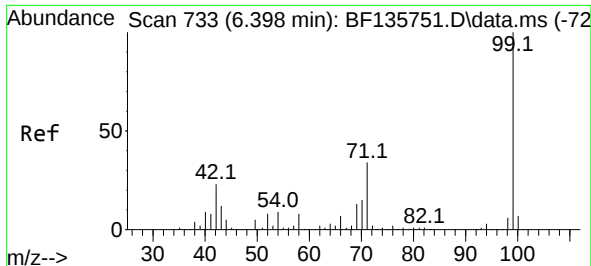
Tgt Ion:152 Resp: 85530
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.5 186.7
 115 60.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 139.534 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135905.D
 Acq: 20 Oct 2023 13:28

Tgt Ion:112 Resp: 742298
 Ion Ratio Lower Upper
 112 100
 64 68.9 51.2 76.8
 63 35.6 26.1 39.1

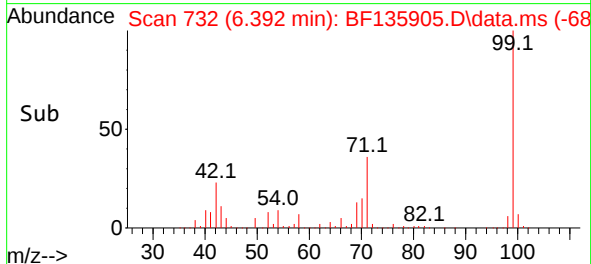
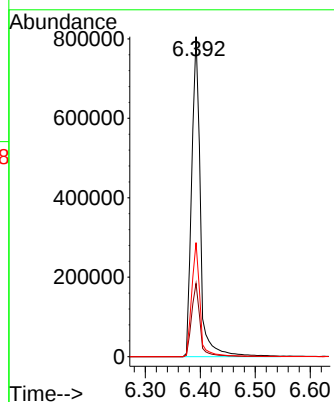
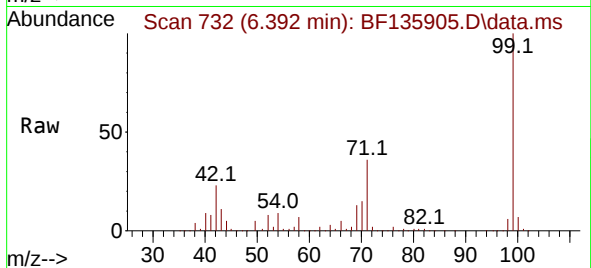




#7
Phenol-d6
Concen: 133.569 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

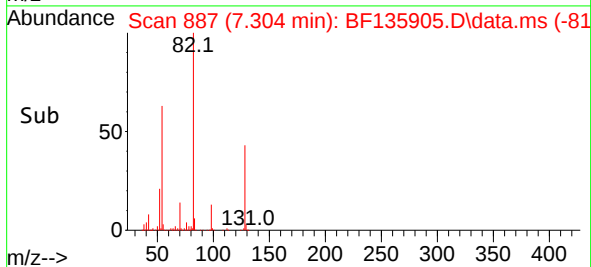
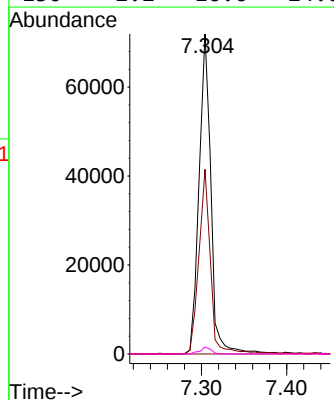
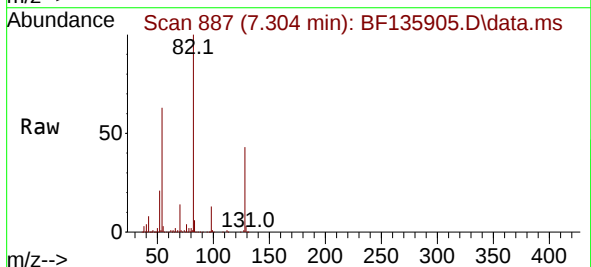
Instrument :
BNA_F
ClientSampleId :
PB156209BL

Tgt Ion: 99 Resp: 886594
Ion Ratio Lower Upper
99 100
42 22.9 18.4 27.6
71 35.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.966 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Tgt Ion: 70 Resp: 69632
Ion Ratio Lower Upper
70 100
42 57.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



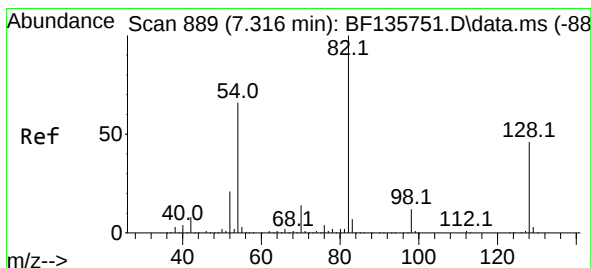
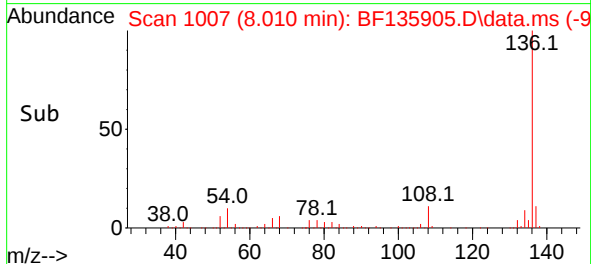
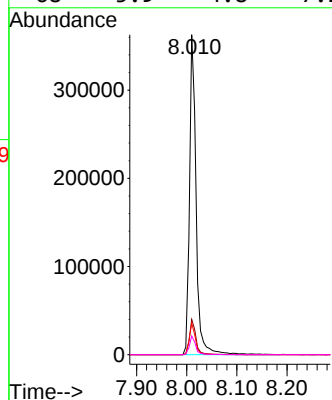
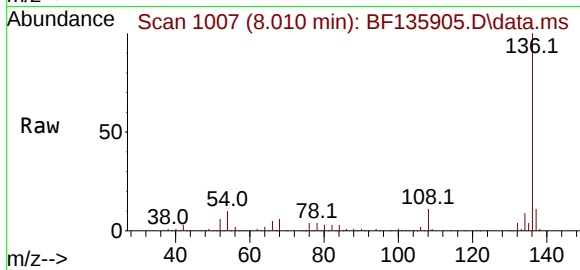


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Instrument :
BNA_F
ClientSampleId :
PB156209BL

Tgt Ion:136 Resp: 334276

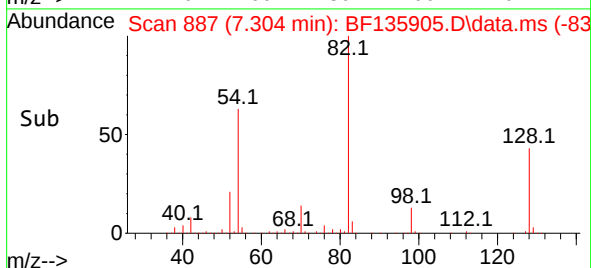
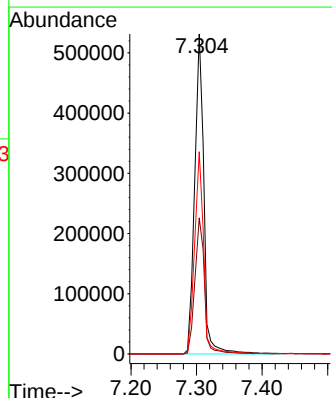
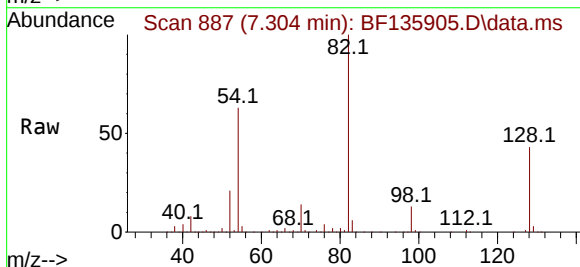
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.5	12.7
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 85.500 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Tgt Ion: 82 Resp: 519657

Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.0	55.6
54	63.2	52.8	79.2

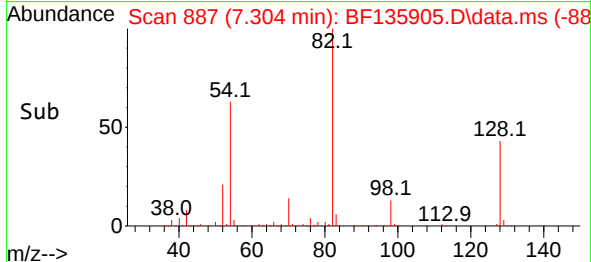
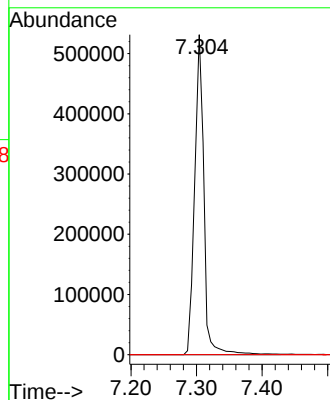
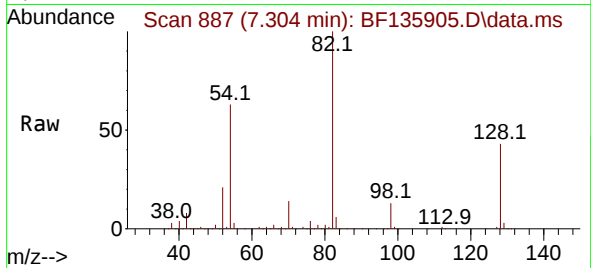




#25
Isophorone
Concen: 45.321 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

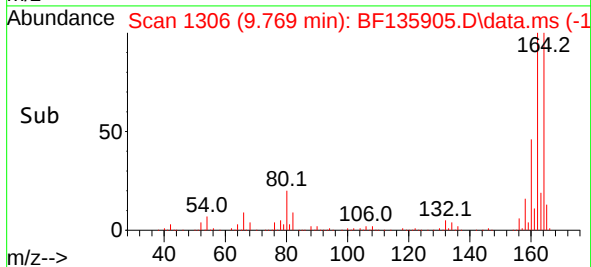
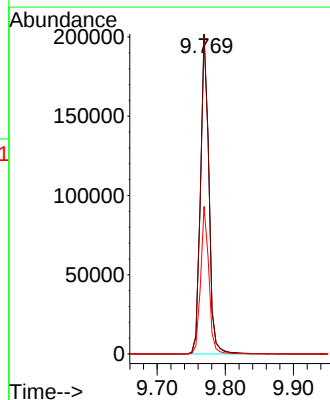
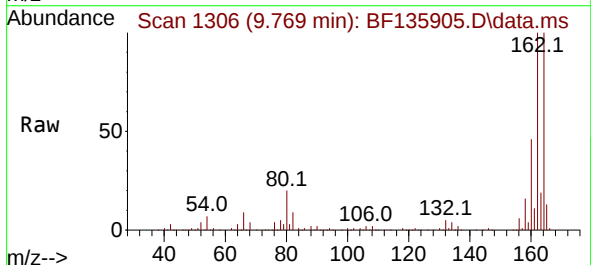
Instrument :
BNA_F
ClientSampleId :
PB156209BL

Tgt Ion: 82 Resp: 519657
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: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Tgt Ion:164 Resp: 173053
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 46.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 145.704 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135905.D

Acq: 20 Oct 2023 13:28

Instrument :

BNA_F

ClientSampleId :

PB156209BL

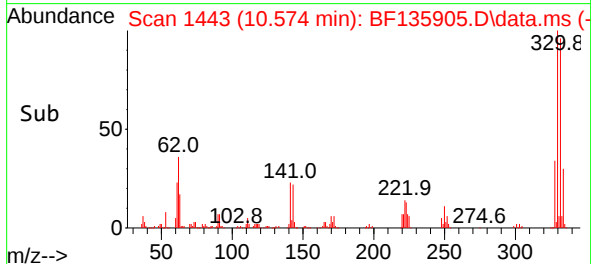
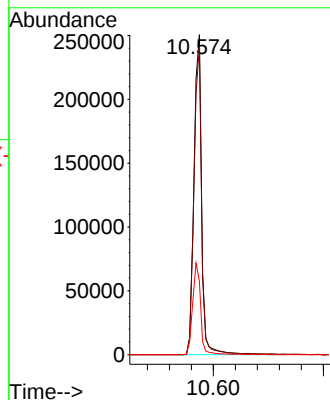
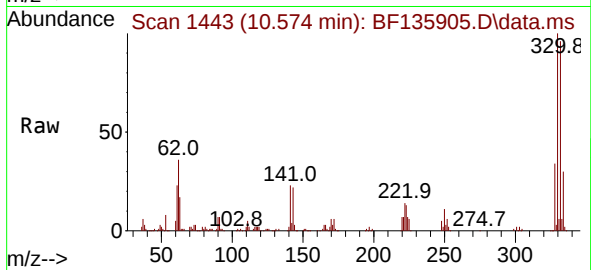
Tgt Ion:330 Resp: 241954

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.4

141 29.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 90.879 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135905.D

Acq: 20 Oct 2023 13:28

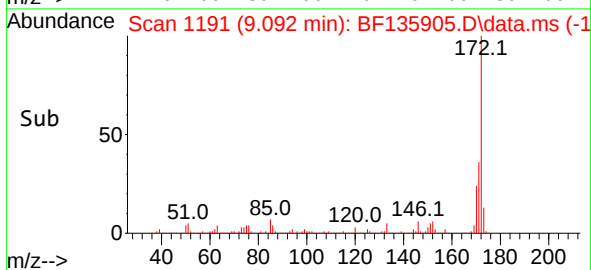
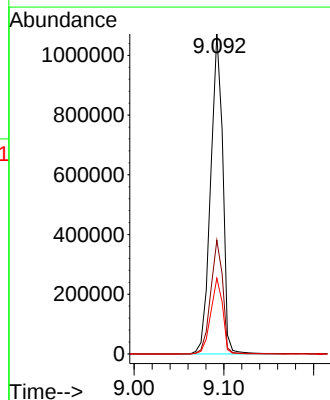
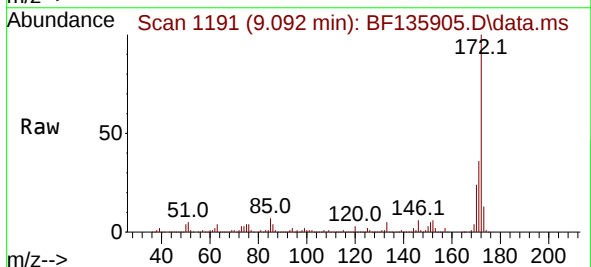
Tgt Ion:172 Resp: 1005866

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 18.8 28.2

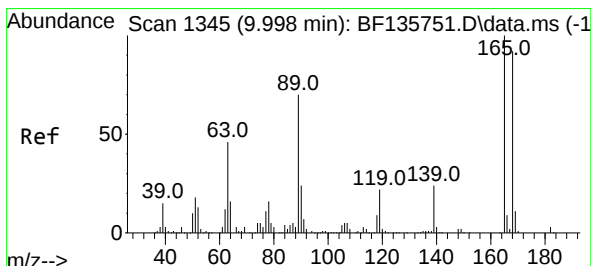
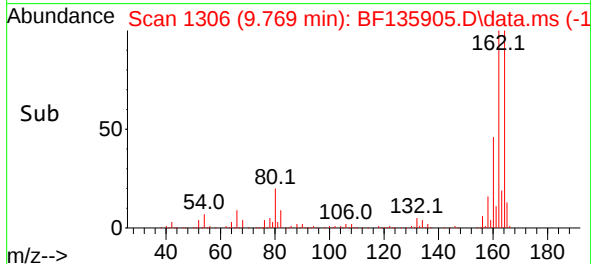
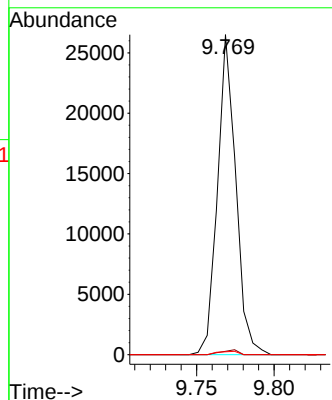
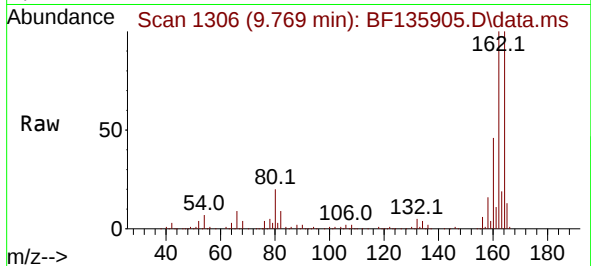




#51
2,6-Dinitrotoluene
Concen: 8.657 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

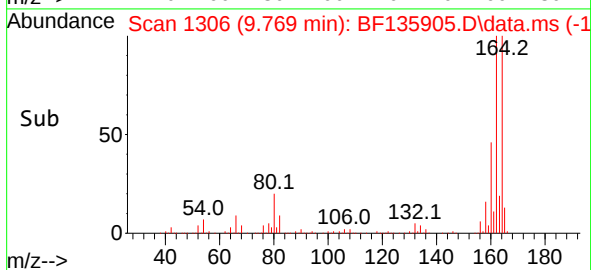
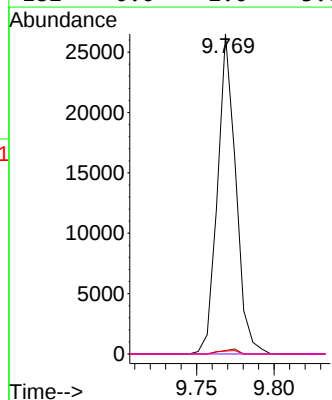
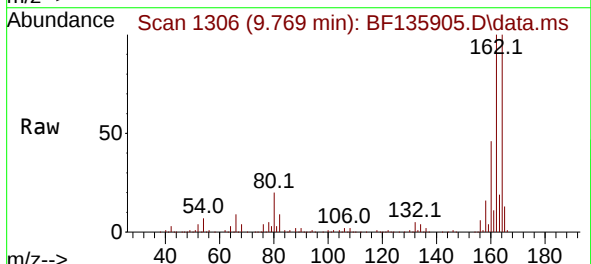
Instrument :
BNA_F
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PB156209BL

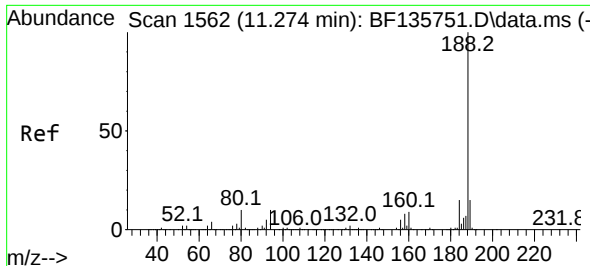
Tgt Ion:165 Resp: 21749
Ion Ratio Lower Upper
165 100
63 1.0 62.2 93.4#
89 0.9 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.805 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.236 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Tgt Ion:165 Resp: 21749
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.4#
89 0.9 55.9 83.9#
182 0.0 2.0 3.0#

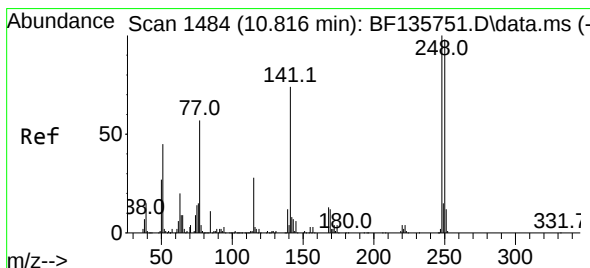
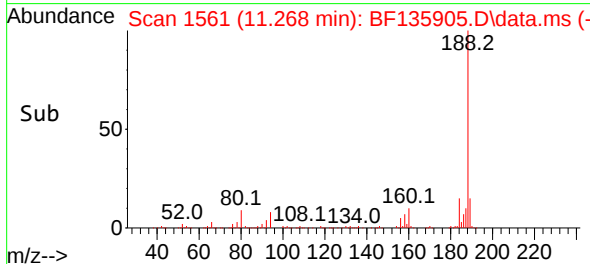
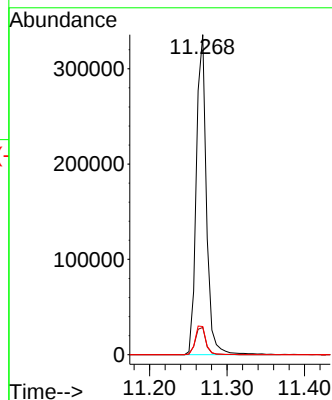
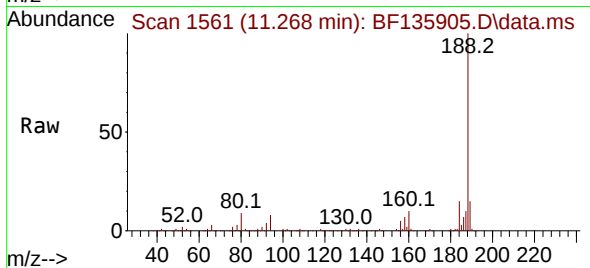




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

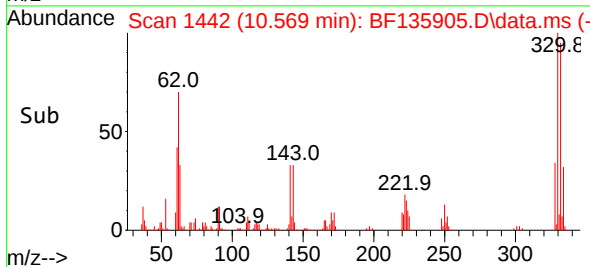
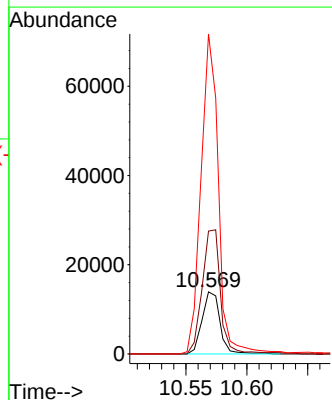
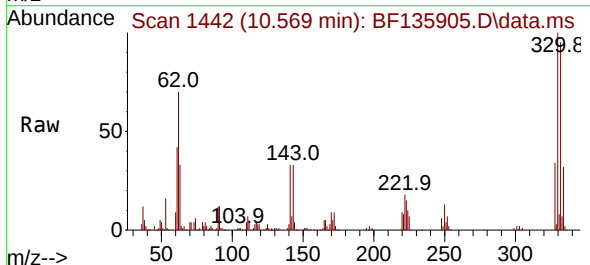
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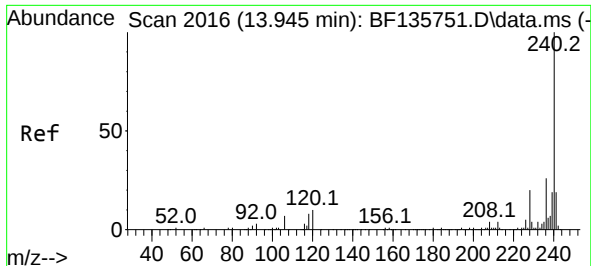
Tgt Ion:188 Resp: 304239
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 8.8 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 4.664 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.253 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

Tgt Ion:248 Resp: 14244
Ion Ratio Lower Upper
248 100
250 197.8 78.0 117.0#
141 514.7 59.0 88.6#

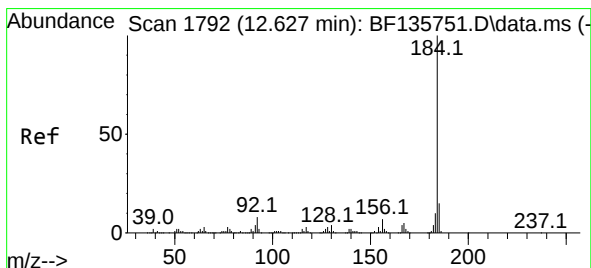
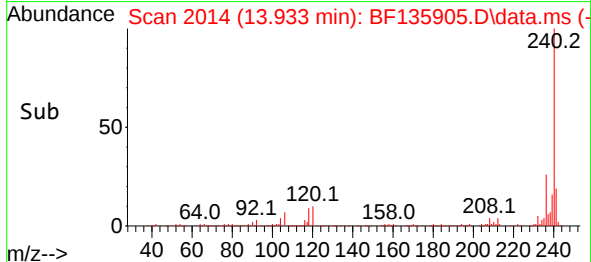
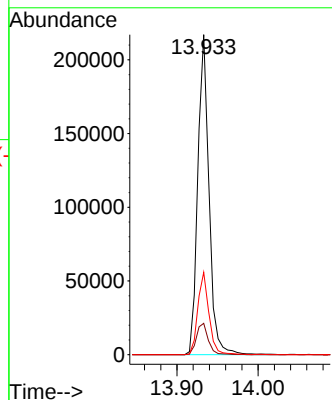
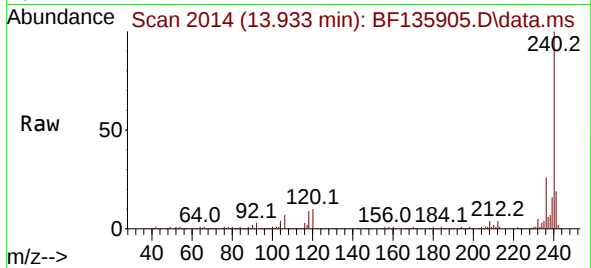




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

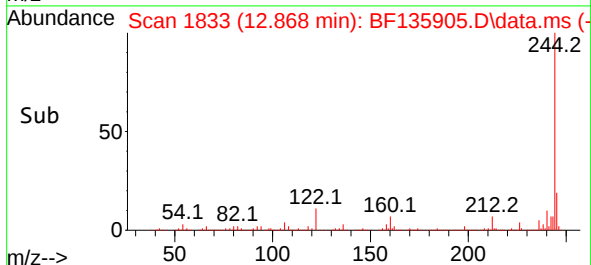
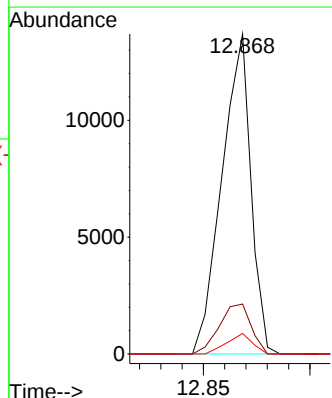
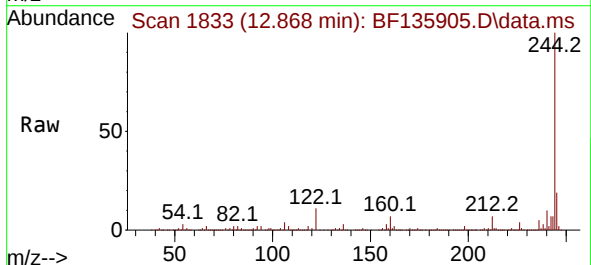
Instrument :
BNA_F
ClientSampleId :
PB156209BL

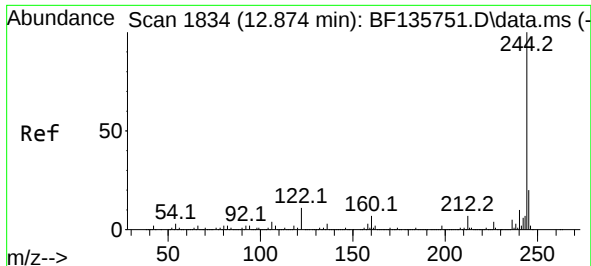
Tgt Ion:240 Resp: 209418
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.8 21.2 31.8



#77
Benzidine
Concen: 2.830 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135905.D
Acq: 20 Oct 2023 13:28

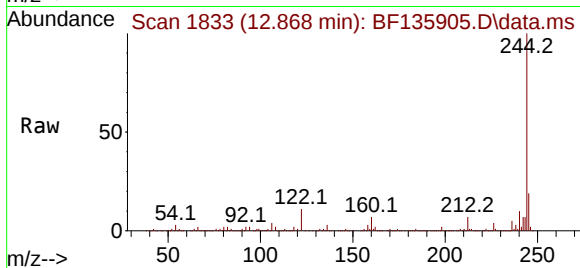
Tgt Ion:184 Resp: 12933
Ion Ratio Lower Upper
184 100
185 15.6 12.0 18.0
183 6.4 8.2 12.2#



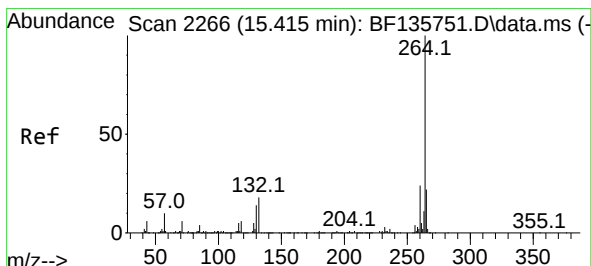
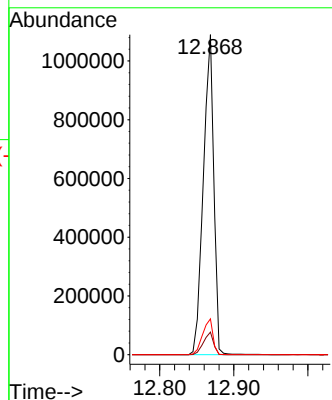
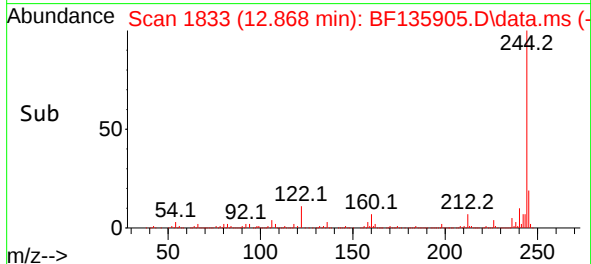


#79
 Terphenyl-d14
 Concen: 94.338 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135905.D
 Acq: 20 Oct 2023 13:28

Instrument :
 BNA_F
 ClientSampleId :
 PB156209BL



Tgt Ion:244 Resp: 1066793
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.2 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. -0.018 min
 Lab File: BF135905.D
 Acq: 20 Oct 2023 13:28

Tgt Ion:264 Resp: 179735
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 20.0 17.4 26.2

