

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135889.D
 Acq On : 19 Oct 2023 16:38
 Operator : CG\JU
 Sample : 04908-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 19 17:02:58 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)

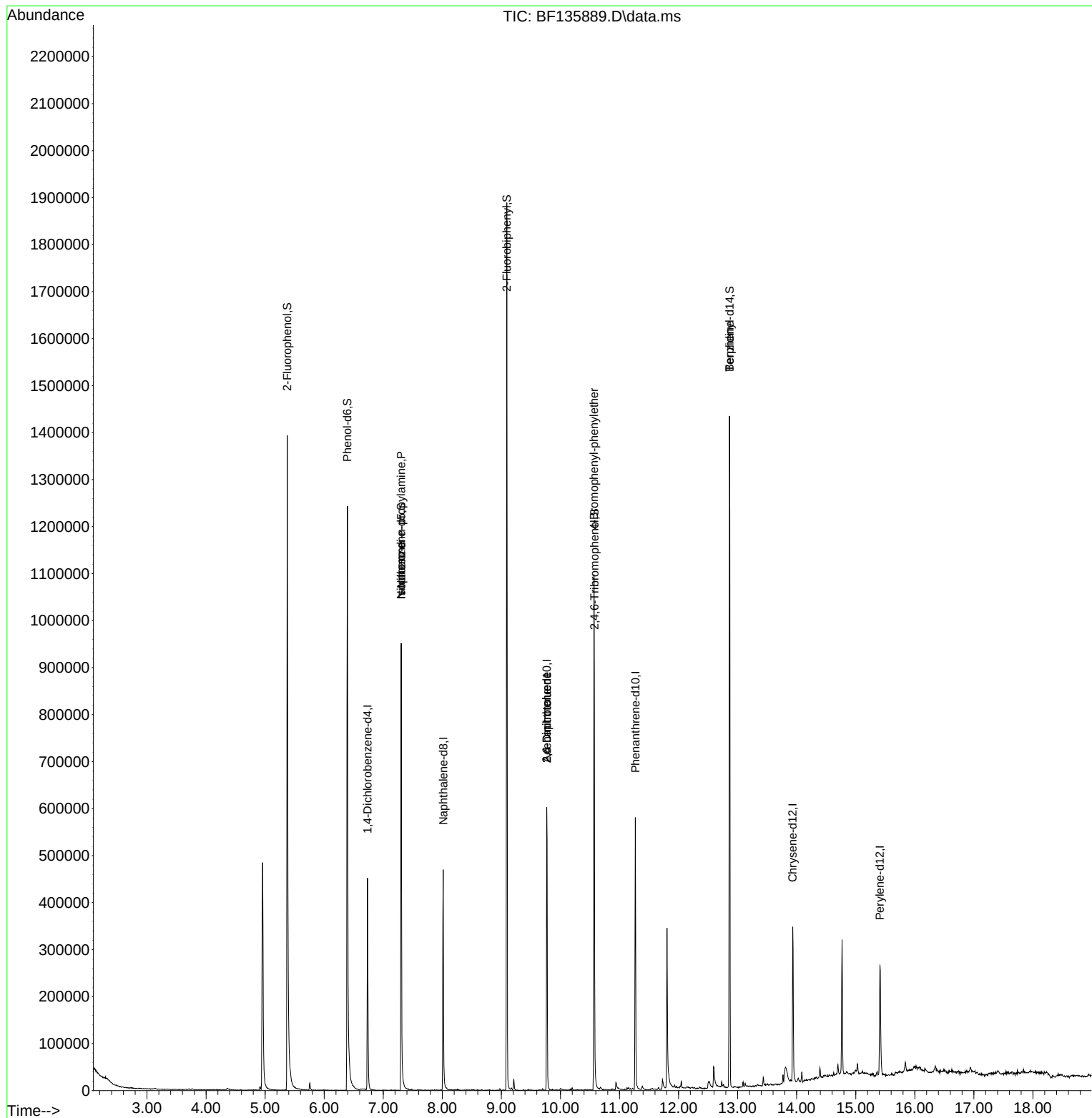
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	63927	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	211336	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	125701	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	206158	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	121695	20.000	ng	-0.02
86) Perylene-d12	15.410	264	116791	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	422769	106.326	ng	0.00
7) Phenol-d6	6.393	99	427002	86.069	ng	0.00
23) Nitrobenzene-d5	7.304	82	275411	71.674	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	133605	110.765	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	524035	65.181	ng	-0.01
79) Terphenyl-d14	12.863	244	500807	76.211	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	34844	11.359	ng	# 75
25) Isophorone	7.304	82	275411	37.992	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	16466	9.023	ng	# 16
57) 2,4-Dinitrotoluene	9.769	165	16466	7.093	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	8271	3.997	ng	# 1
77) Benzidine	12.863	184	6100	2.297	ng	# 86

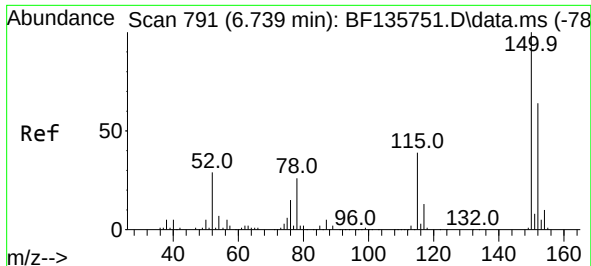
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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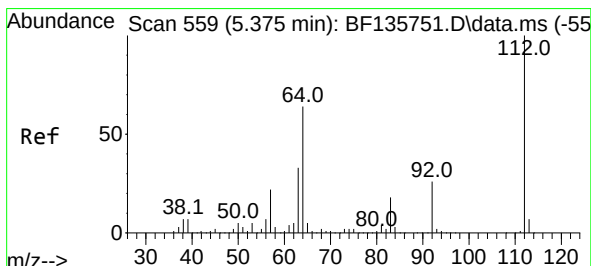
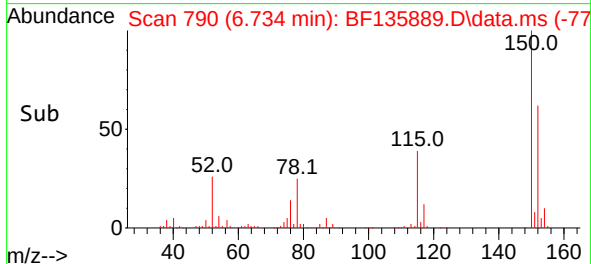
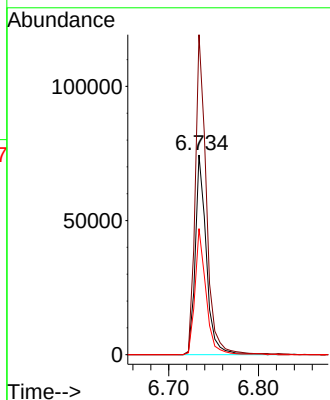
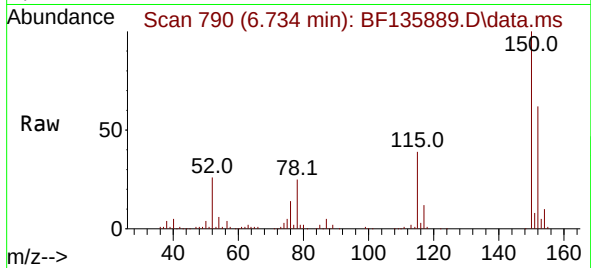




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

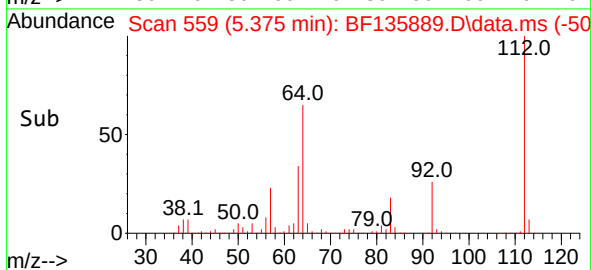
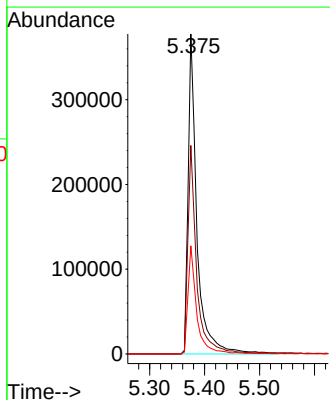
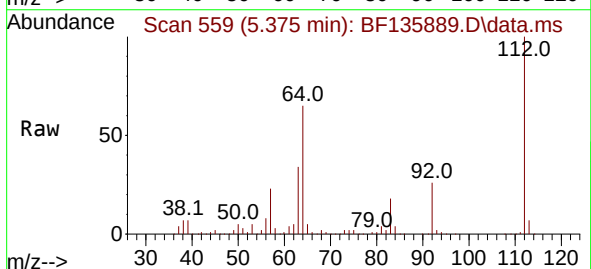
Instrument :
BNA_F
ClientSampleId :
TP-1

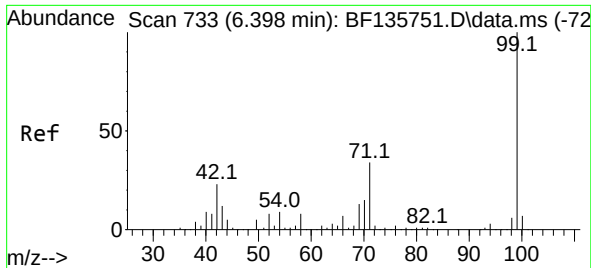
Tgt Ion:152 Resp: 63927
Ion Ratio Lower Upper
152 100
150 160.3 124.5 186.7
115 63.1 49.0 73.4



#5
2-Fluorophenol
Concen: 106.326 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

Tgt Ion:112 Resp: 422769
Ion Ratio Lower Upper
112 100
64 65.2 51.2 76.8
63 33.8 26.1 39.1

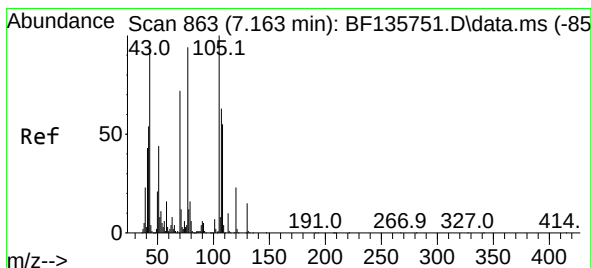
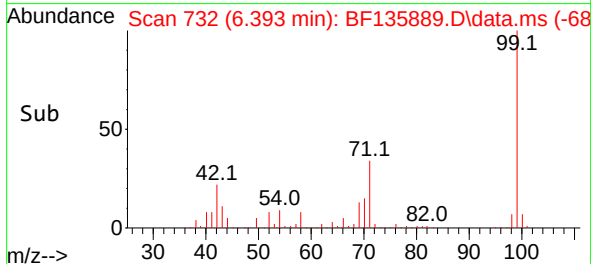
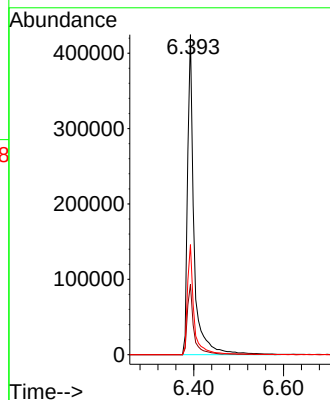
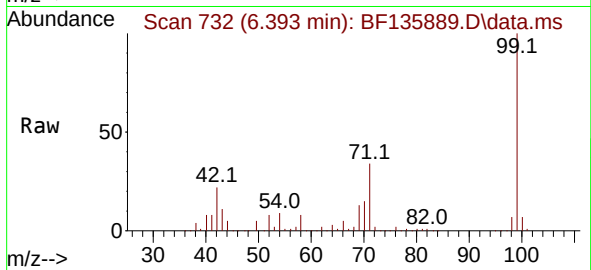




#7
Phenol-d6
Concen: 86.069 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

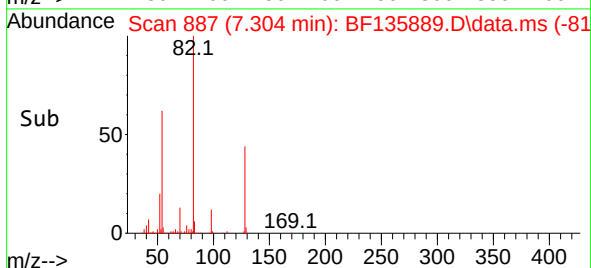
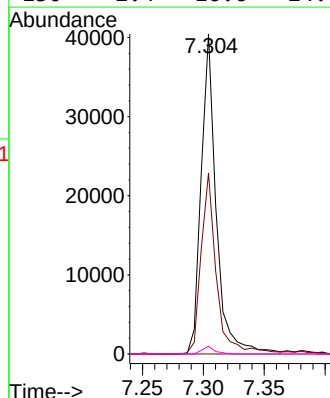
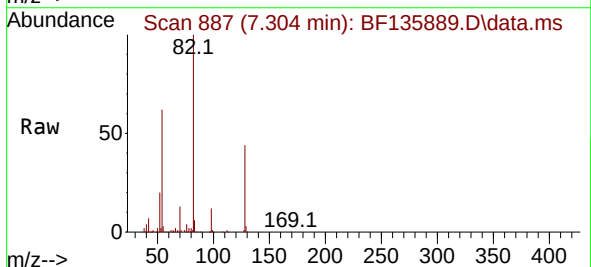
Instrument :
BNA_F
ClientSampleId :
TP-1

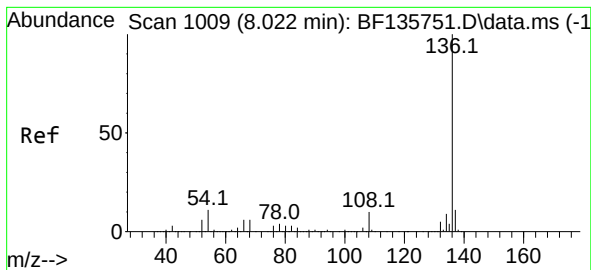
Tgt Ion: 99 Resp: 427002
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.359 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

Tgt Ion: 70 Resp: 34844
Ion Ratio Lower Upper
70 100
42 56.5 59.8 89.6#
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 211336

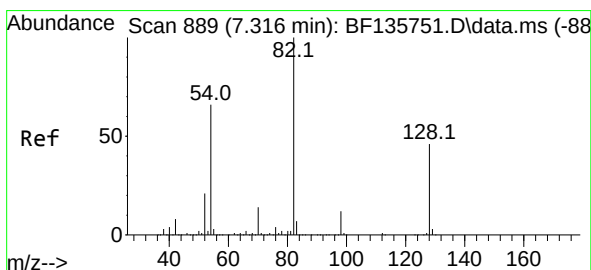
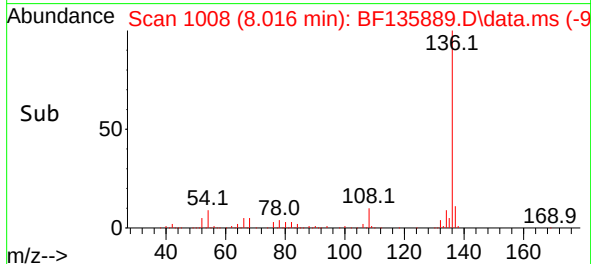
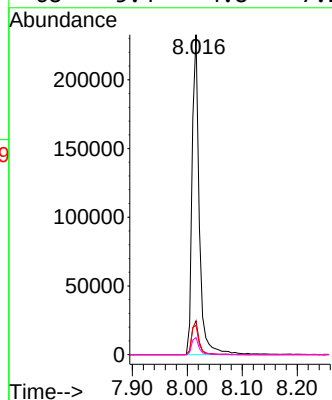
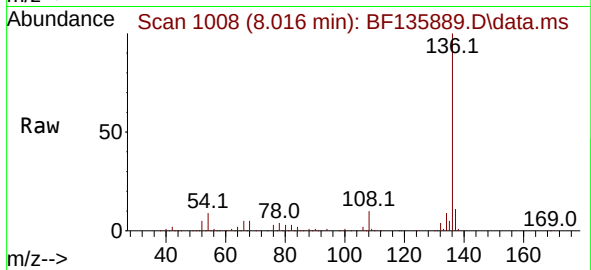
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 9.2 8.5 12.7

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 71.674 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

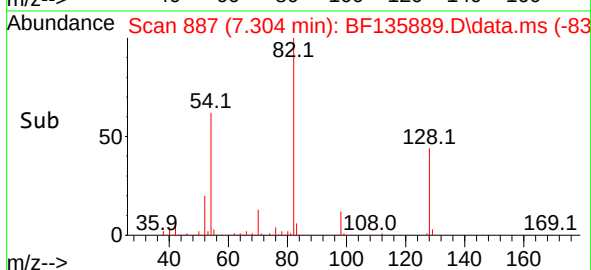
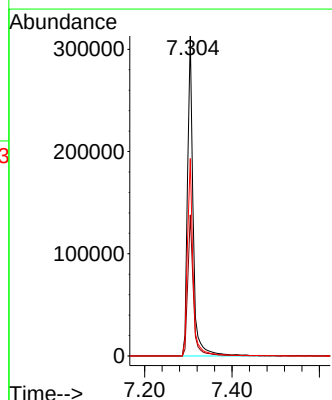
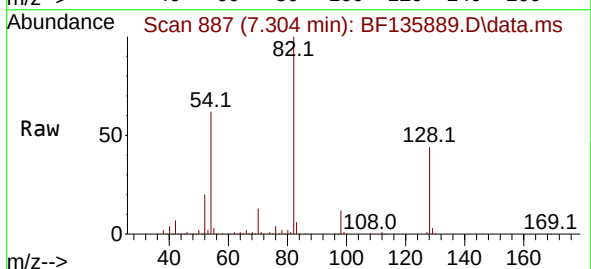
Tgt Ion: 82 Resp: 275411

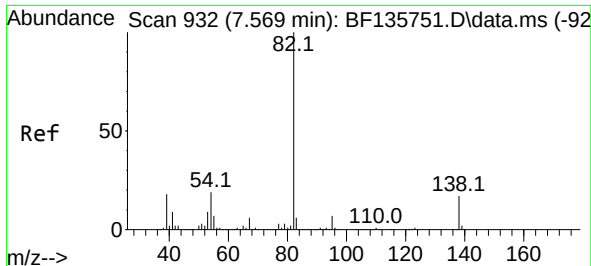
Ion Ratio Lower Upper

82 100

128 44.1 37.0 55.6

54 61.7 52.8 79.2

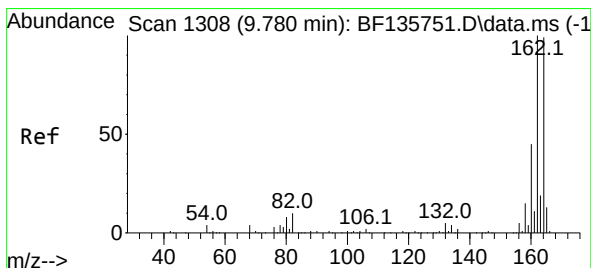
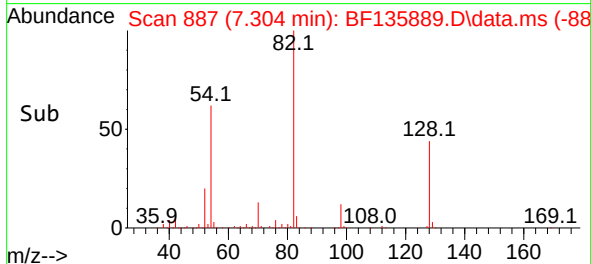
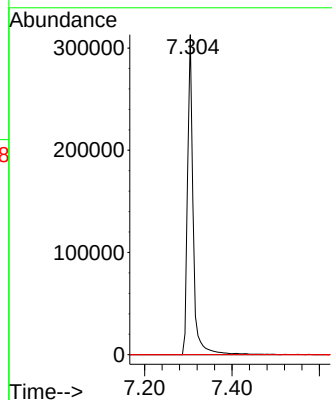
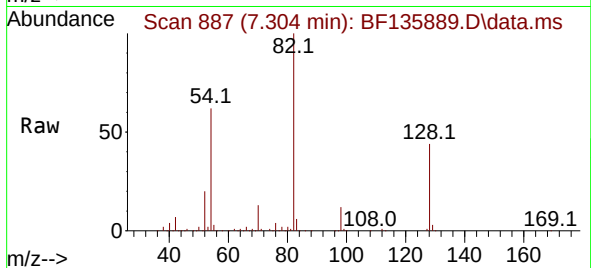




#25
Isophorone
Concen: 37.992 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

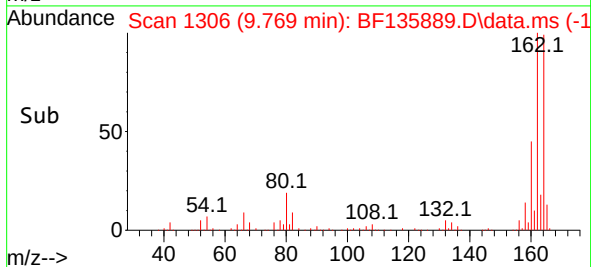
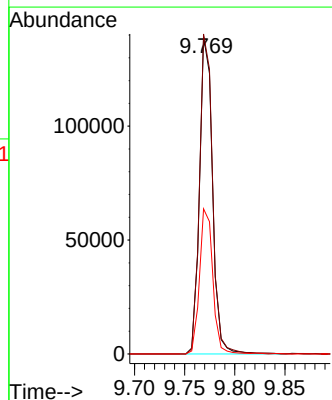
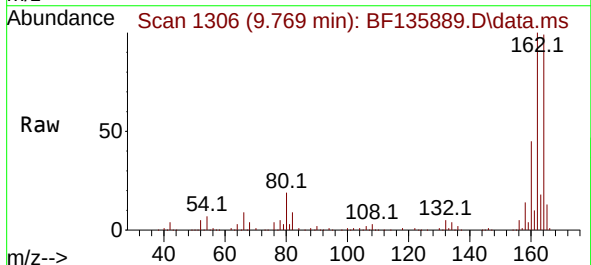
Instrument :
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ClientSampleId :
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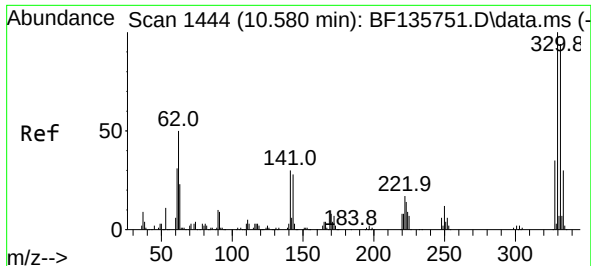
Tgt Ion: 82 Resp: 275411
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

Tgt Ion:164 Resp: 125701
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.7 36.6 54.8

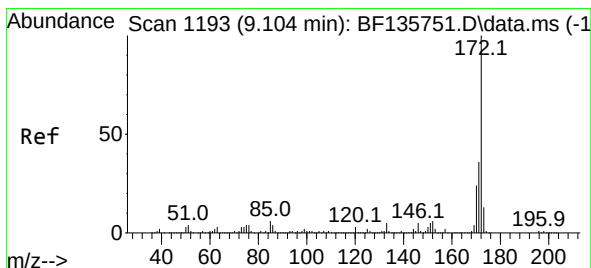
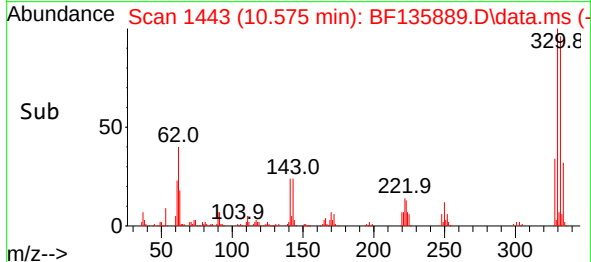
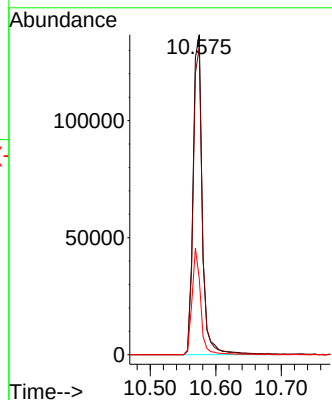
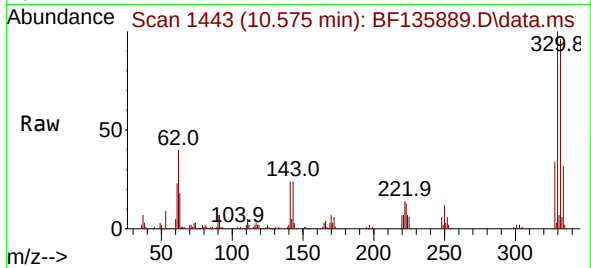




#42
2,4,6-Tribromophenol
Concen: 110.765 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

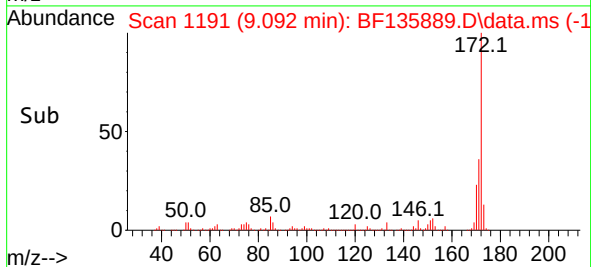
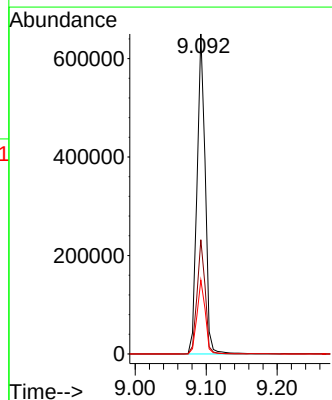
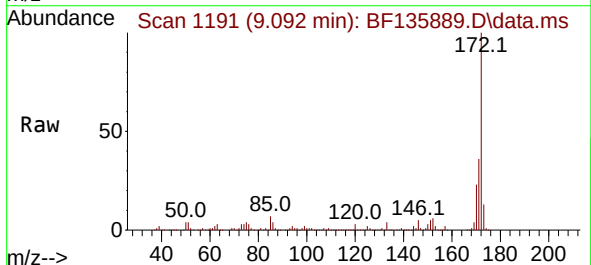
Instrument :
BNA_F
ClientSampleId :
TP-1

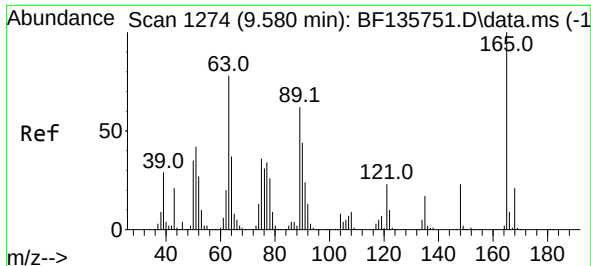
Tgt Ion:330 Resp: 133605
Ion Ratio Lower Upper
330 100
332 94.9 75.0 112.4
141 30.9 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 65.181 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

Tgt Ion:172 Resp: 524035
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.023 ng

RT: 9.769 min Scan# 11

Delta R.T. 0.182 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

Instrument :

BNA_F

ClientSampleId :

TP-1

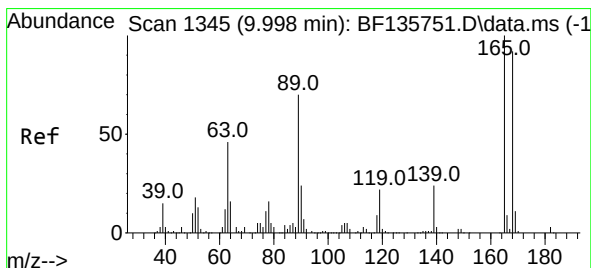
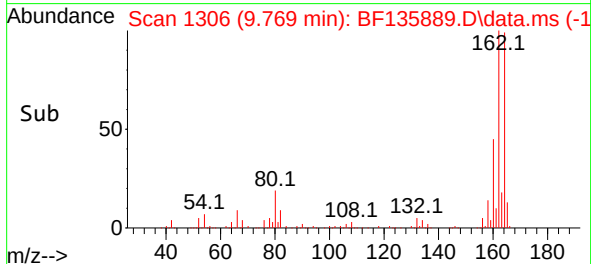
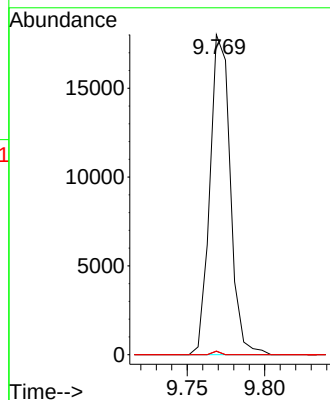
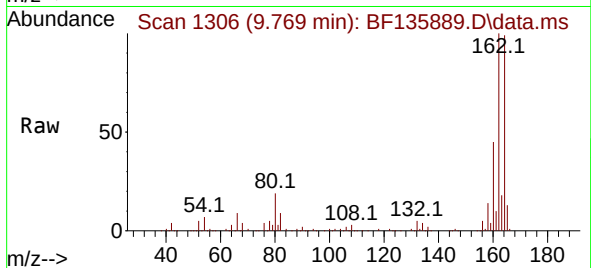
Tgt Ion:165 Resp: 16466

Ion Ratio Lower Upper

165 100

63 1.1 62.2 93.4#

89 1.1 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 7.093 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.235 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

Tgt Ion:165 Resp: 16466

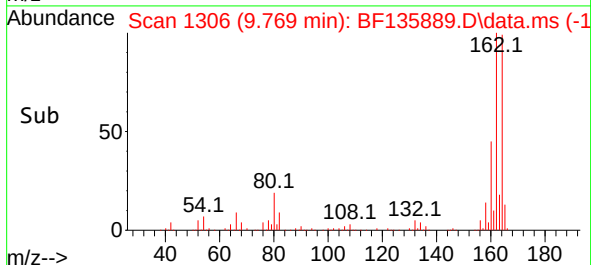
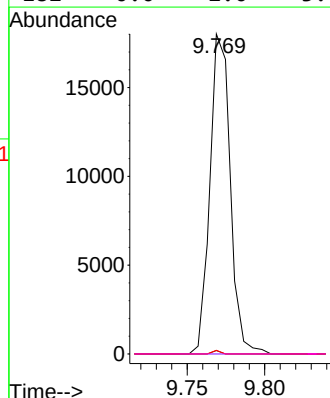
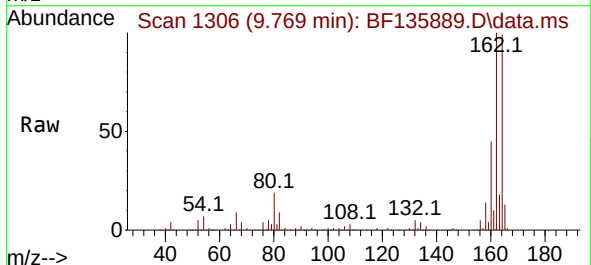
Ion Ratio Lower Upper

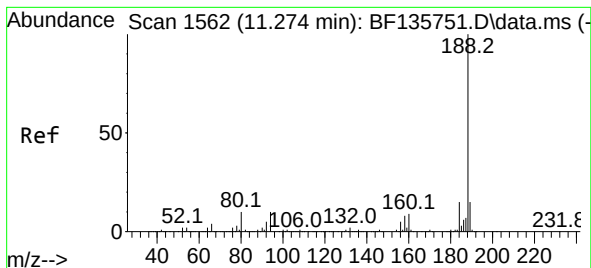
165 100

63 1.1 39.0 58.4#

89 1.1 55.9 83.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

Instrument :

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ClientSampleId :

TP-1

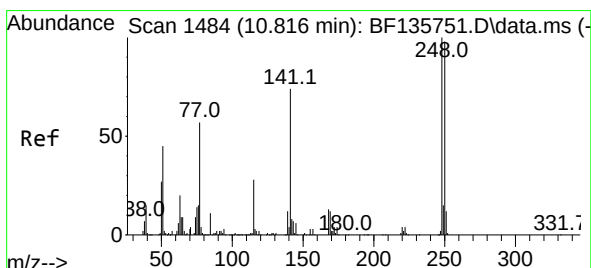
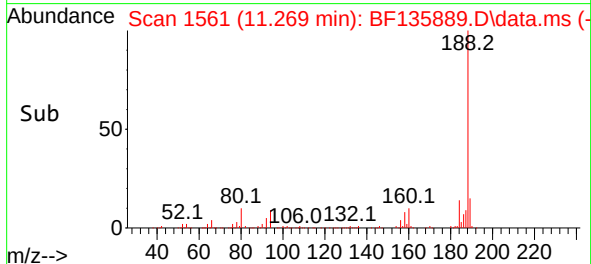
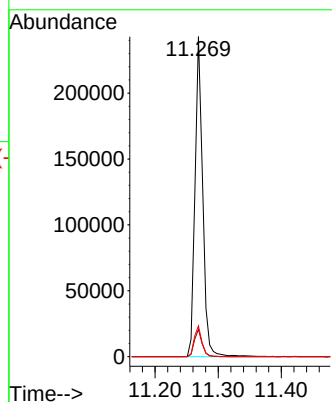
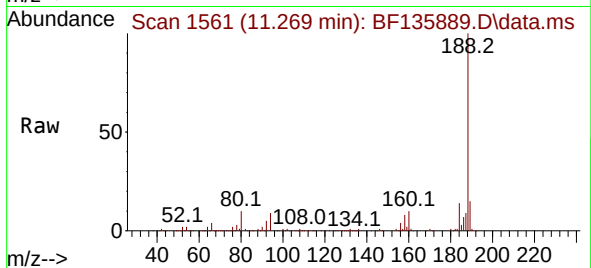
Tgt Ion:188 Resp: 206158

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

80 9.6 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.997 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135889.D

Acq: 19 Oct 2023 16:38

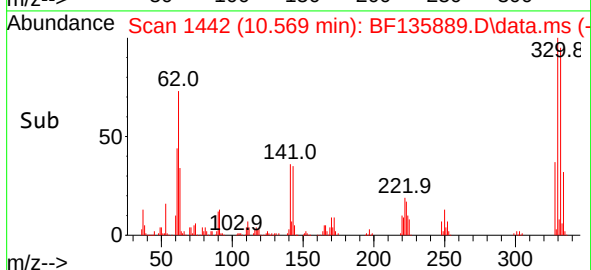
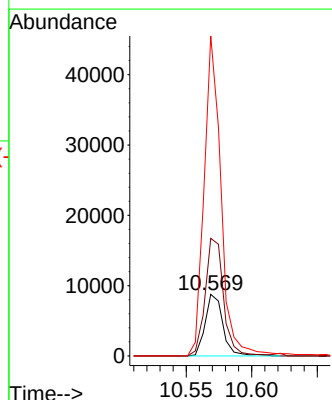
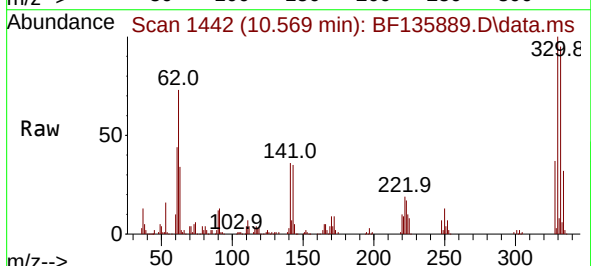
Tgt Ion:248 Resp: 8271

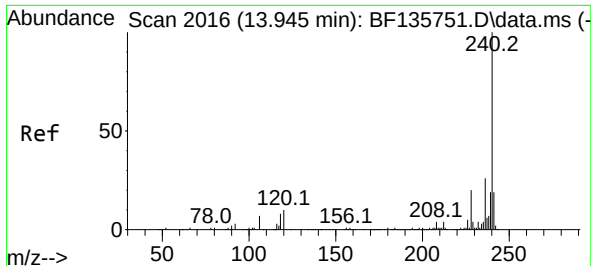
Ion Ratio Lower Upper

248 100

250 191.0 78.0 117.0#

141 519.8 59.0 88.6#

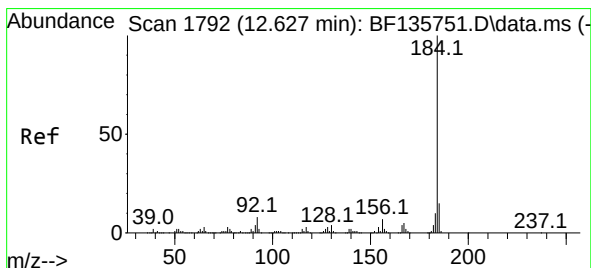
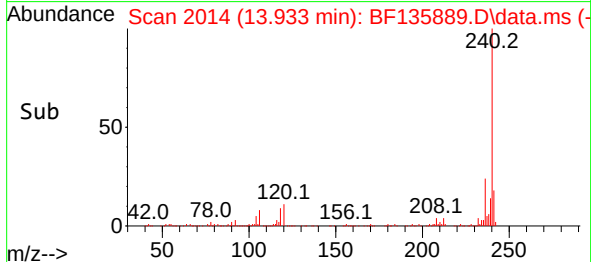
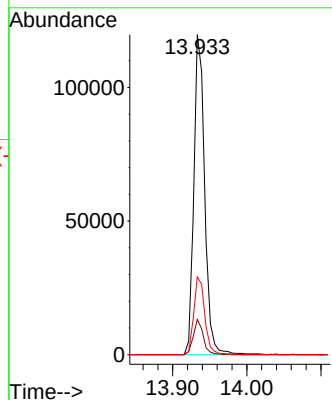
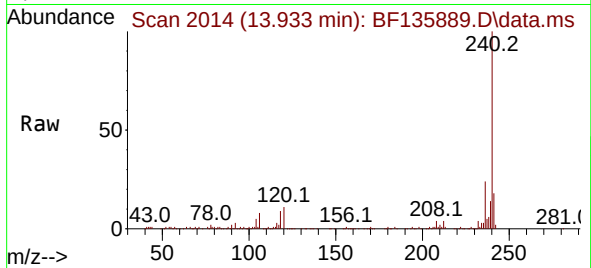




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

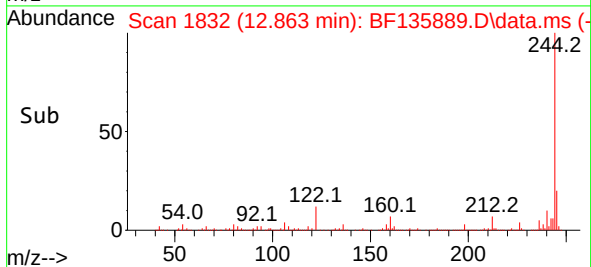
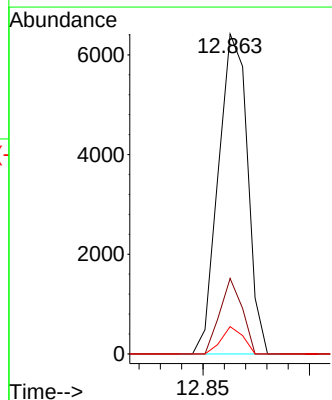
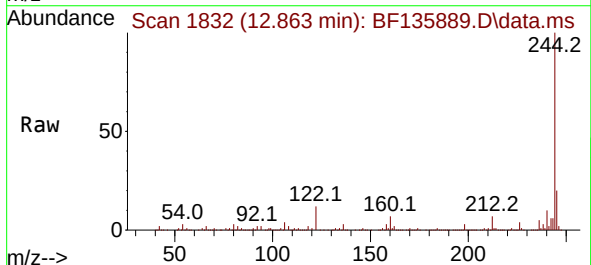
Instrument :
BNA_F
ClientSampleId :
TP-1

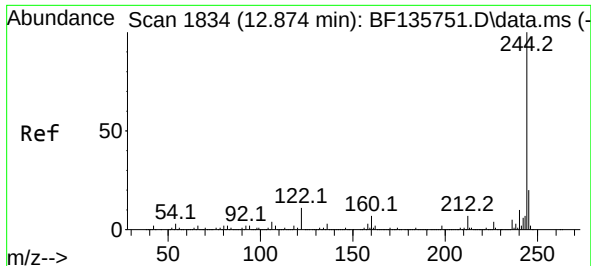
Tgt Ion:240 Resp: 121695
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 24.3 21.2 31.8



#77
Benzidine
Concen: 2.297 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.229 min
Lab File: BF135889.D
Acq: 19 Oct 2023 16:38

Tgt Ion:184 Resp: 6100
Ion Ratio Lower Upper
184 100
185 23.6 12.0 18.0#
183 8.6 8.2 12.2

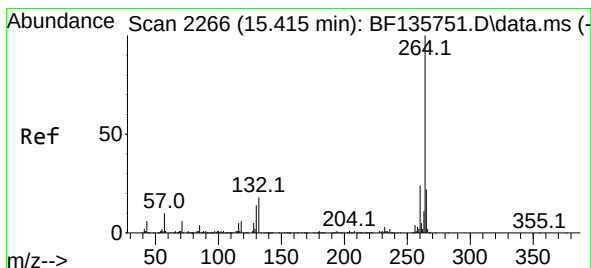
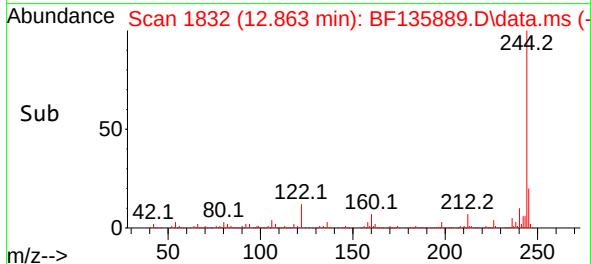
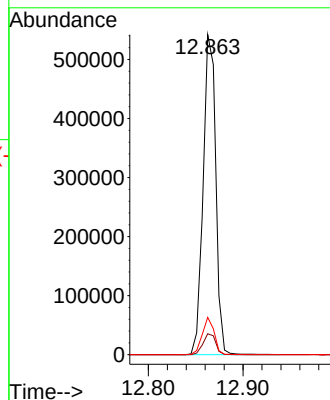
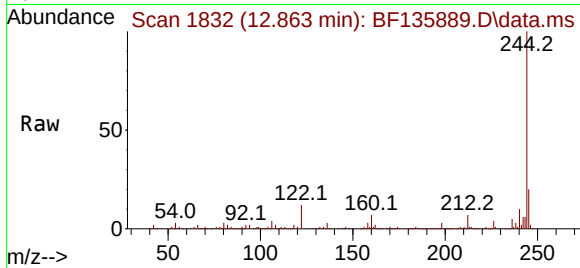




#79
 Terphenyl-d14
 Concen: 76.211 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135889.D
 Acq: 19 Oct 2023 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 500807
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.7 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135889.D
 Acq: 19 Oct 2023 16:38

Tgt Ion:264 Resp: 116791
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.4 17.4 26.2

