

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135845.D
 Acq On : 18 Oct 2023 14:02
 Operator : CG\JU
 Sample : 04724-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Oct 18 14:24:12 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)

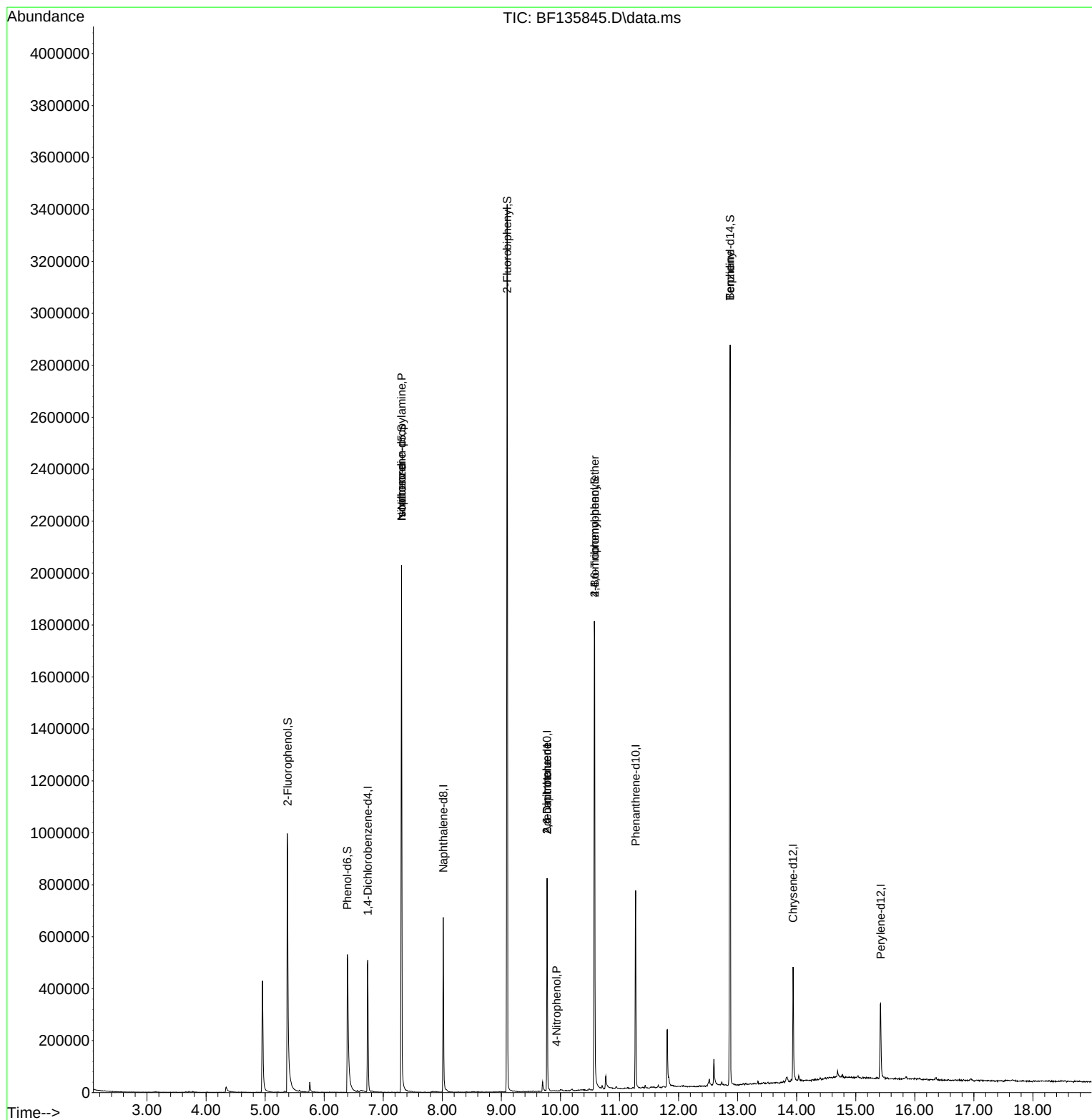
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	84329	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	290014	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	150035	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	284272	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	148915	20.000	ng	-0.01
86) Perylene-d12	15.421	264	149436	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	379152	72.286	ng	0.00
7) Phenol-d6	6.392	99	280232	42.819	ng	0.00
23) Nitrobenzene-d5	7.310	82	608322	115.364	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	244325	169.705	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1069539	111.456	ng	0.00
79) Terphenyl-d14	12.874	244	1060501	131.884	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	81824	20.221	ng	# 78
25) Isophorone	7.310	82	608322	61.150	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18627	8.552	ng	# 17
56) 4-Nitrophenol	9.933	139	59	5.537	ng	# 18
57) 2,4-Dinitrotoluene	9.775	165	18627	6.722	ng	# 24
67) 4-Bromophenyl-phenylether	10.580	248	15484	5.426	ng	# 1
77) Benzidine	12.874	184	13678	4.209	ng	# 97

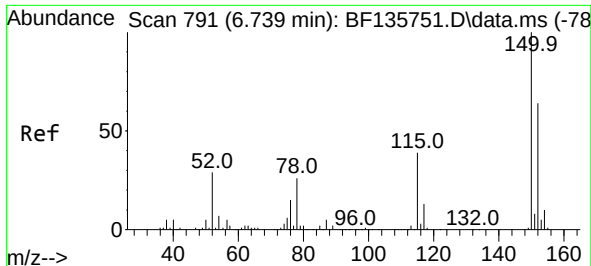
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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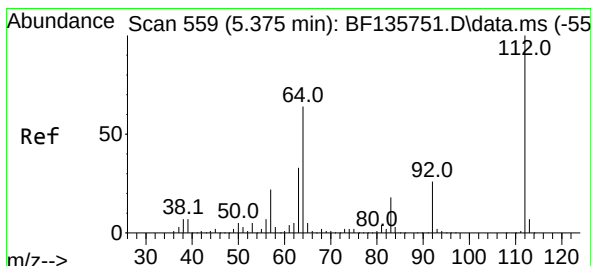
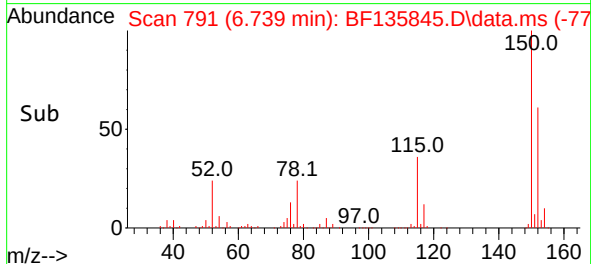
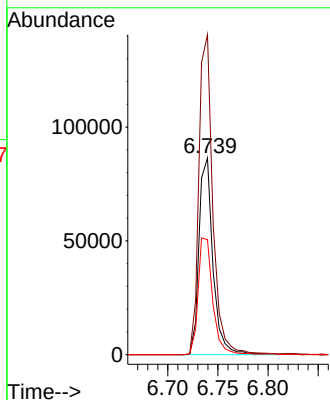
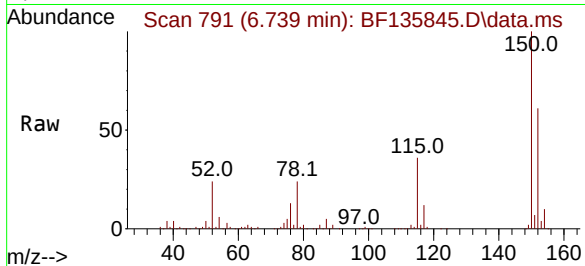




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

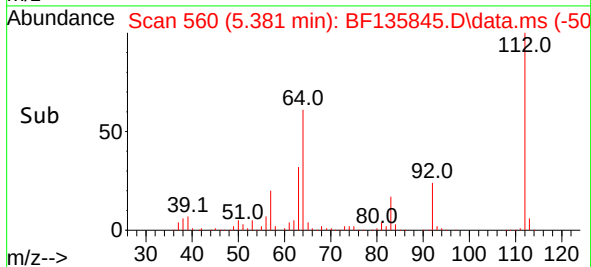
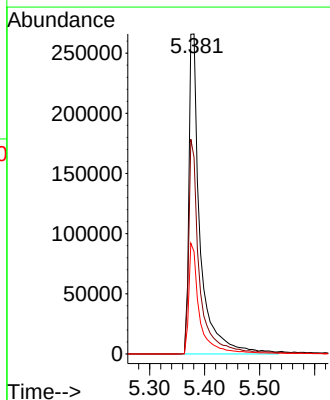
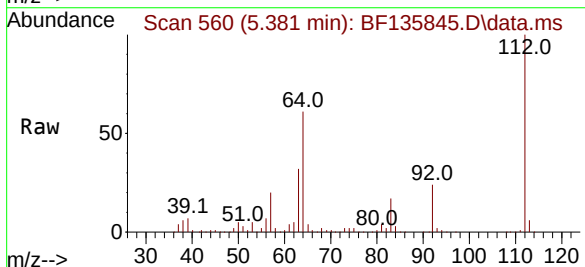
Instrument :
BNA_F
ClientSampleId :
MW-1

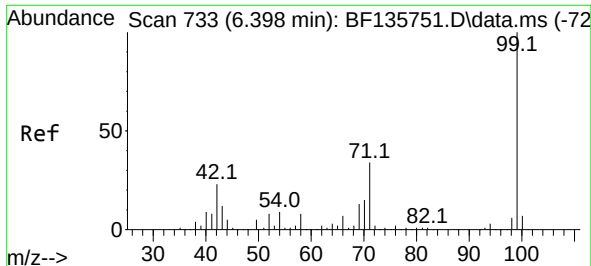
Tgt Ion:152 Resp: 84329
Ion Ratio Lower Upper
152 100
150 162.6 124.5 186.7
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 72.286 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion:112 Resp: 379152
Ion Ratio Lower Upper
112 100
64 61.5 51.2 76.8
63 31.9 26.1 39.1

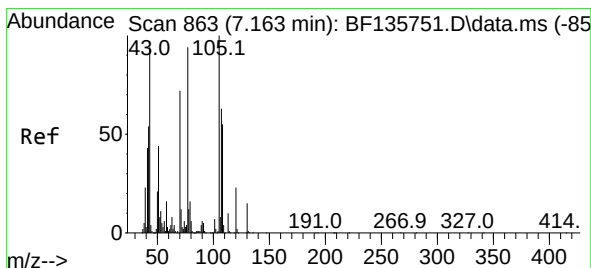
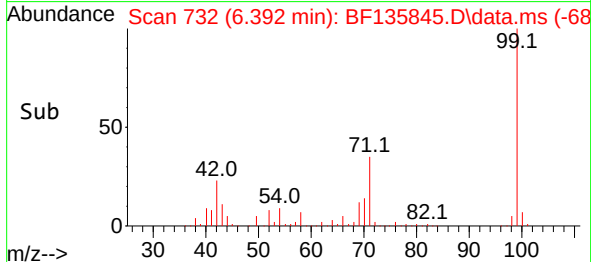
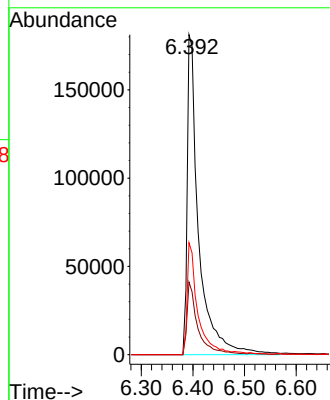
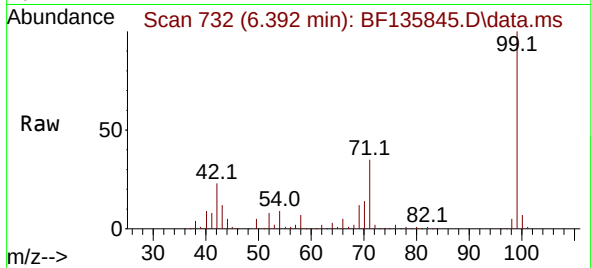




#7
Phenol-d6
Concen: 42.819 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

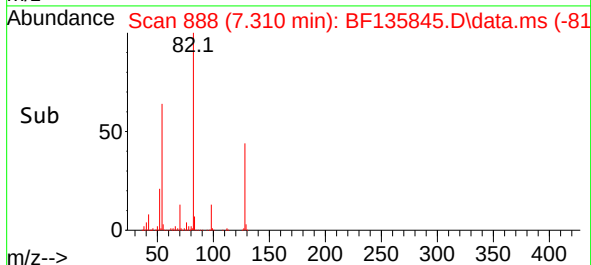
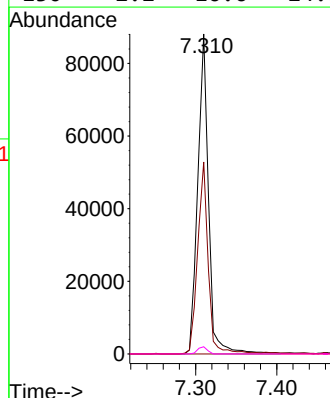
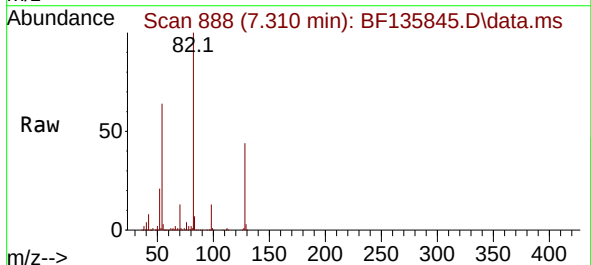
Instrument :
BNA_F
ClientSampleId :
MW-1

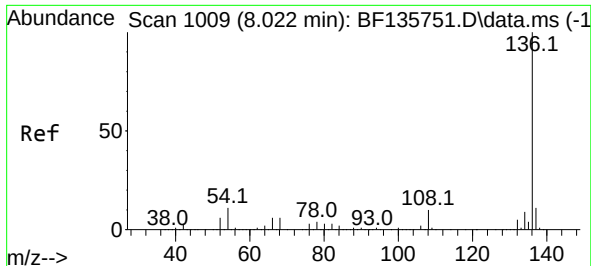
Tgt Ion: 99 Resp: 280232
Ion Ratio Lower Upper
99 100
42 22.7 18.4 27.6
71 35.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.221 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion: 70 Resp: 81824
Ion Ratio Lower Upper
70 100
42 60.0 59.8 89.6
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#

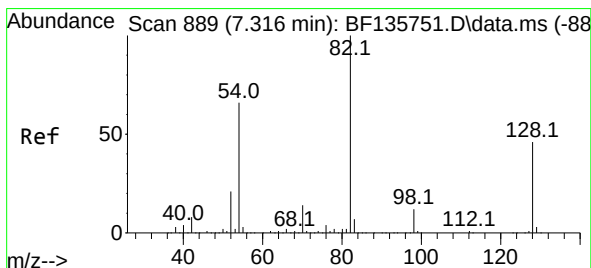
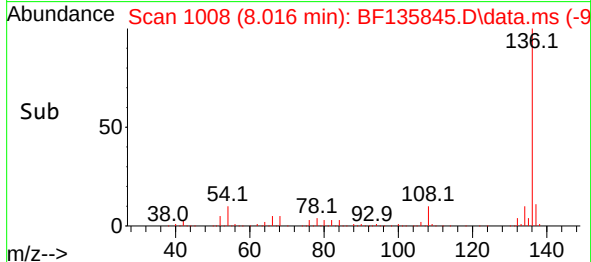
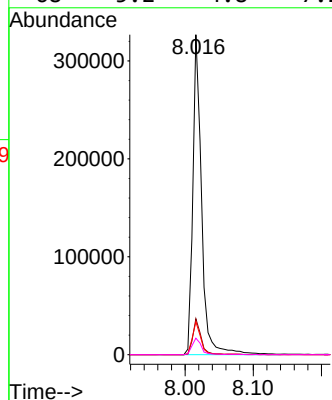
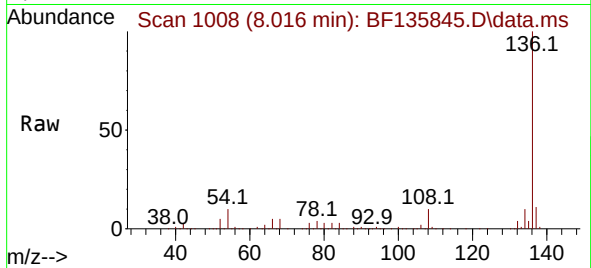




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

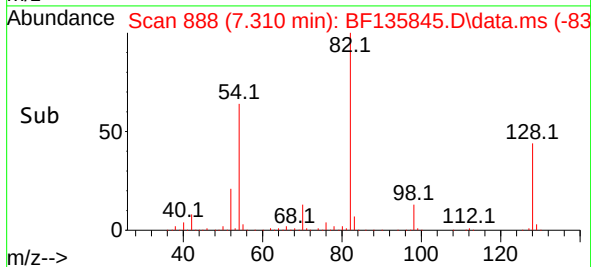
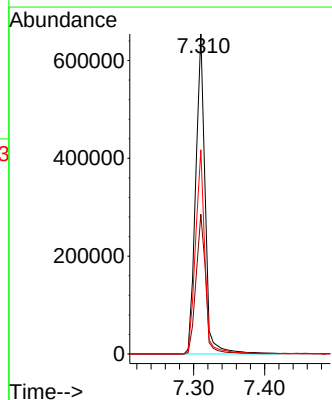
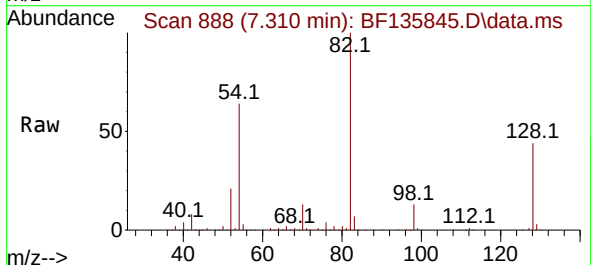
Instrument :
BNA_F
ClientSampleId :
MW-1

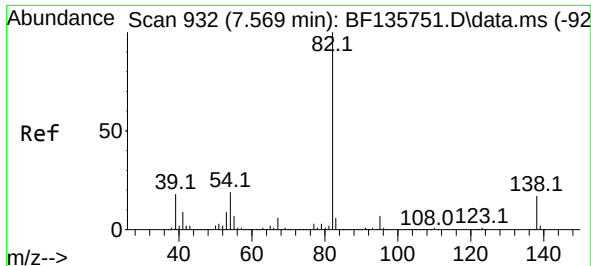
Tgt Ion:136	Resp: 290014
Ion Ratio	Lower Upper
136 100	
137 11.3	8.6 12.8
54 10.2	8.5 12.7
68 5.2	4.8 7.2



#23
Nitrobenzene-d5
Concen: 115.364 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion: 82	Resp: 608322
Ion Ratio	Lower Upper
82 100	
128 43.7	37.0 55.6
54 63.8	52.8 79.2

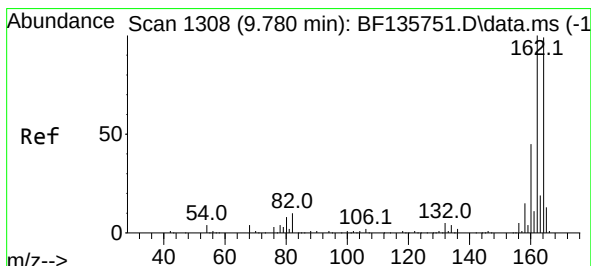
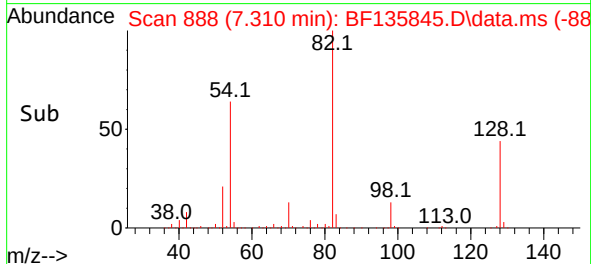
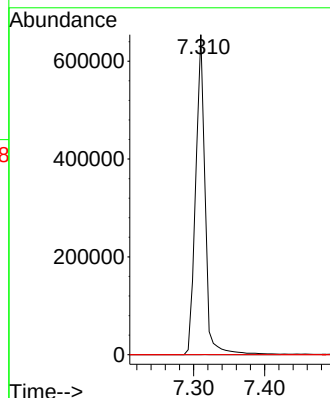
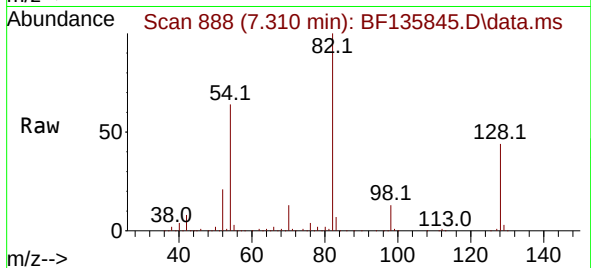




#25
Isophorone
Concen: 61.150 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

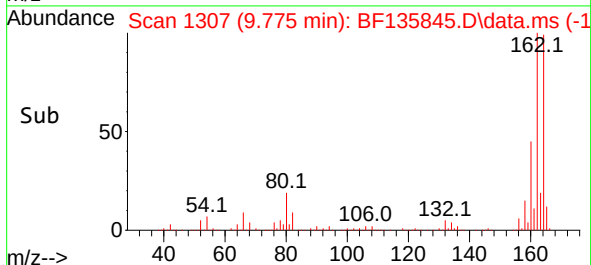
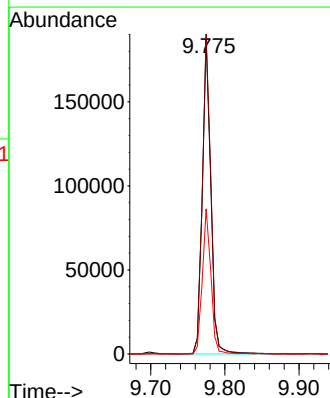
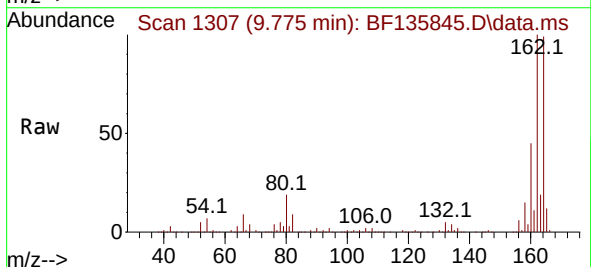
Instrument :
BNA_F
ClientSampleId :
MW-1

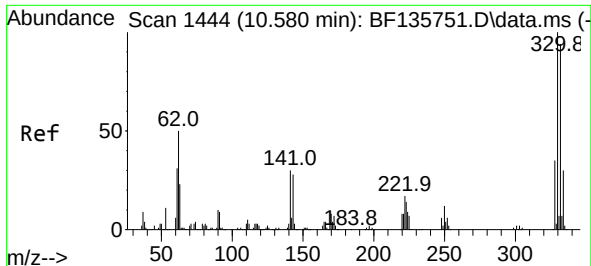
Tgt Ion: 82 Resp: 608322
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion: 164 Resp: 150035
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 46.0 36.6 54.8

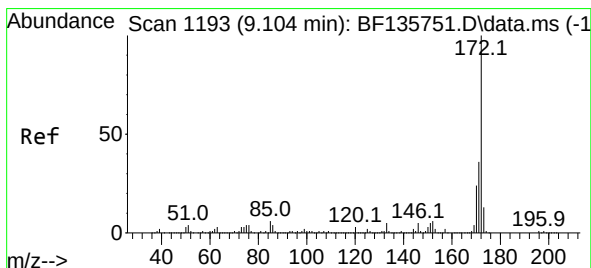
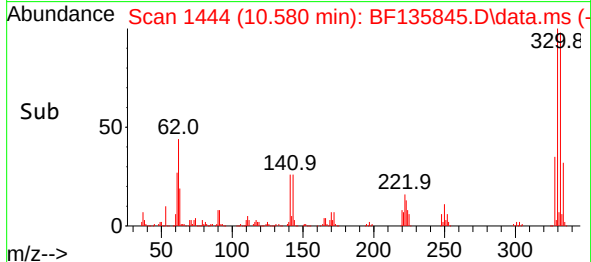
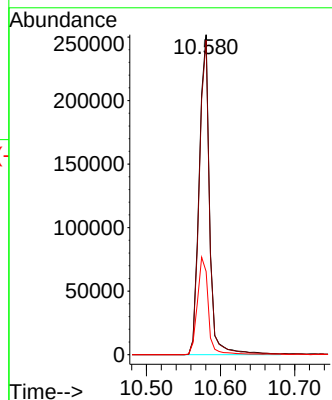
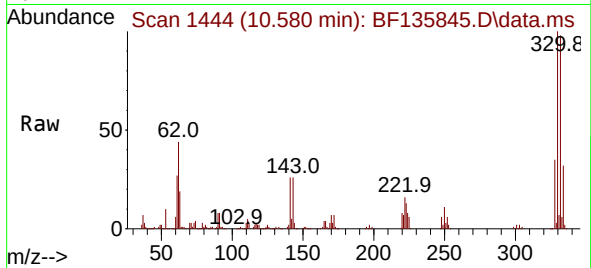




#42
2,4,6-Tribromophenol
Concen: 169.705 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

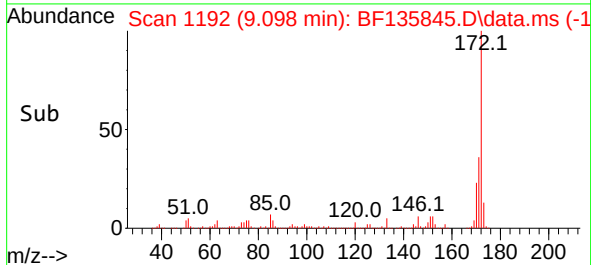
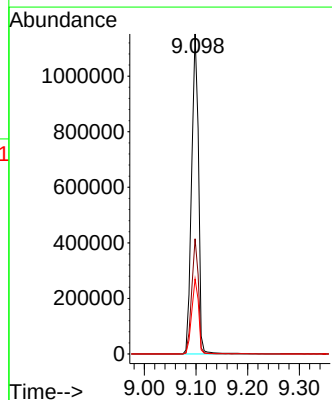
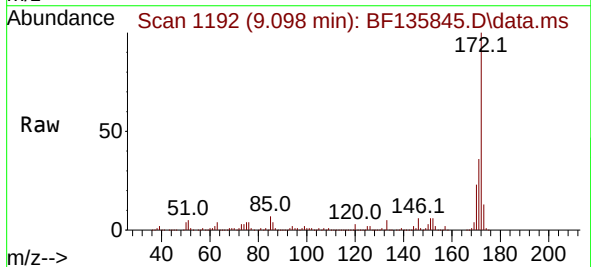
Instrument :
BNA_F
ClientSampleId :
MW-1

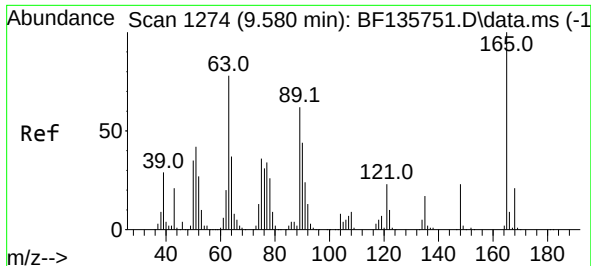
Tgt Ion: 330 Resp: 244325
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.4
141 32.3 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 111.456 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion: 172 Resp: 1069539
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.5 18.8 28.2

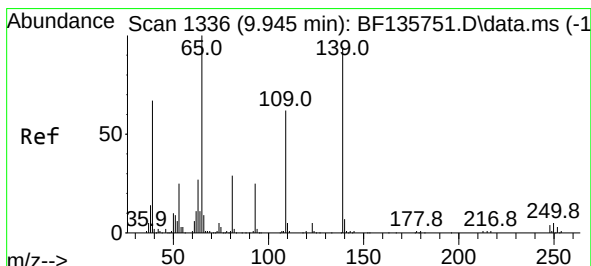
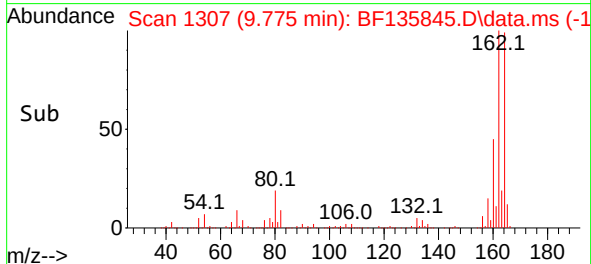
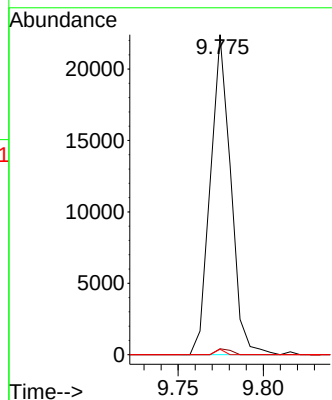
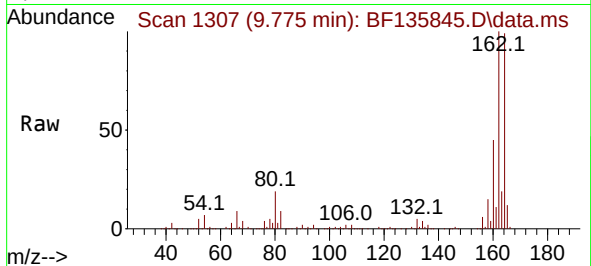




#51
2,6-Dinitrotoluene
Concen: 8.552 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

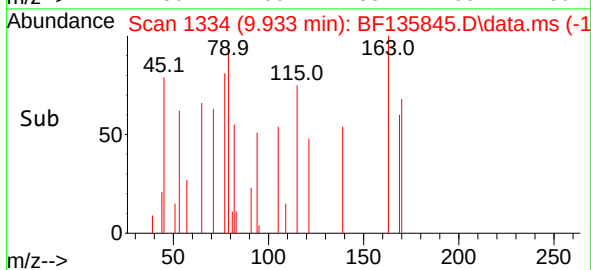
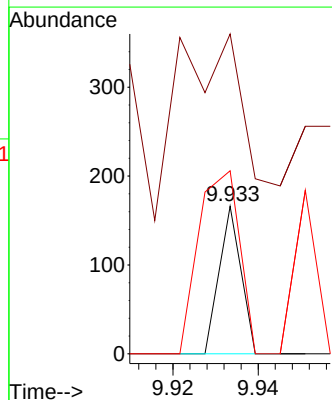
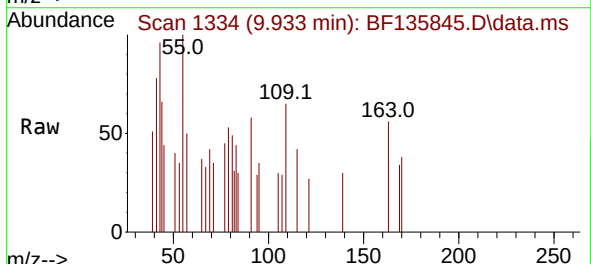
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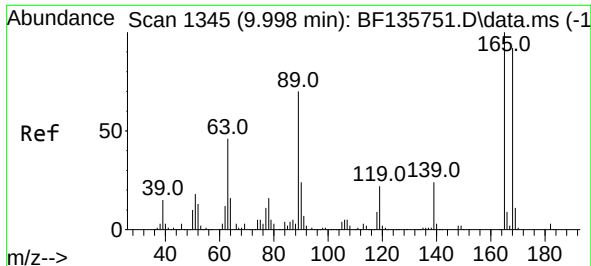
Tgt Ion:165 Resp: 18627
Ion Ratio Lower Upper
165 100
63 1.8 62.2 93.4#
89 1.7 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.537 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 216.9 45.6 85.6#
65 124.1 87.5 127.5





#57

2,4-Dinitrotoluene

Concen: 6.722 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.230 min

Lab File: BF135845.D

Acq: 18 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

MW-1

Tgt Ion:165 Resp: 18627

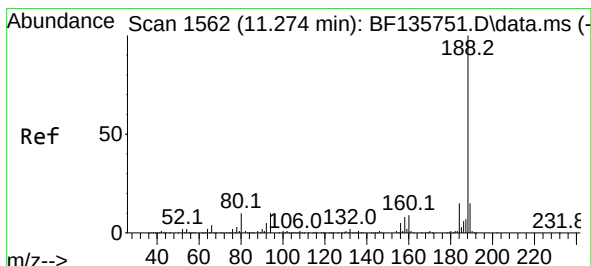
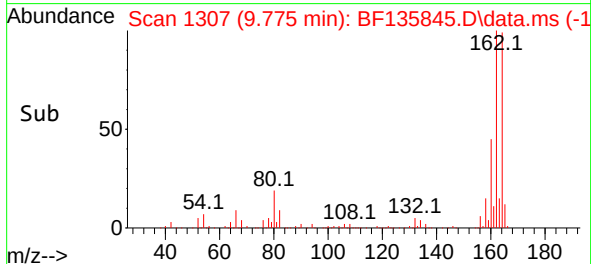
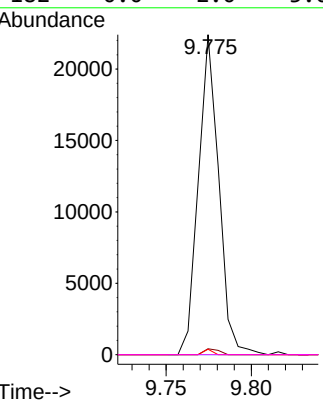
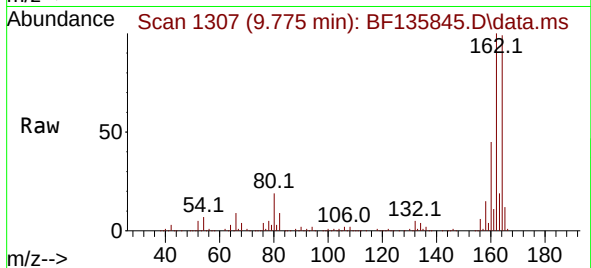
Ion Ratio Lower Upper

165 100

63 1.8 39.0 58.4#

89 1.7 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF135845.D

Acq: 18 Oct 2023 14:02

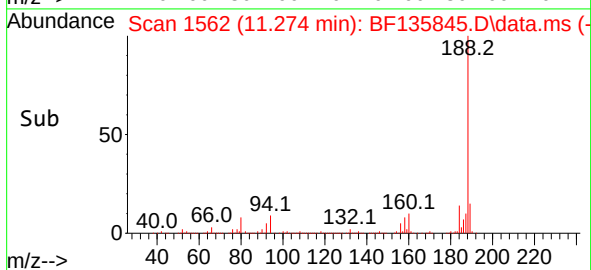
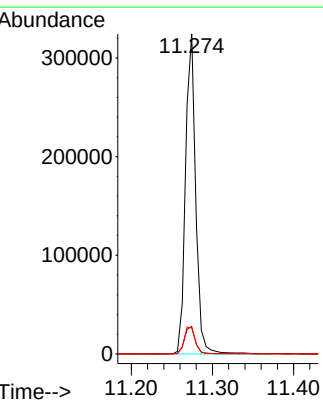
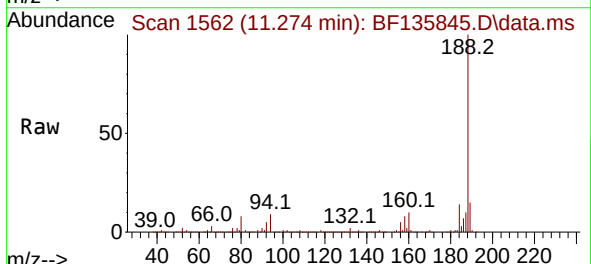
Tgt Ion:188 Resp: 284272

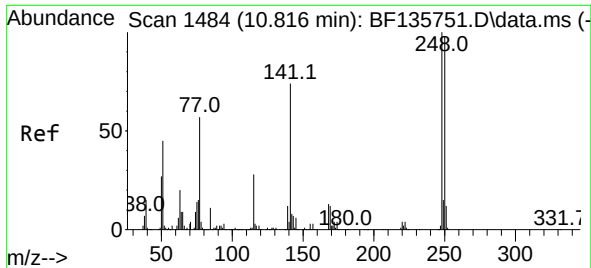
Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

80 8.2 8.3 12.5#

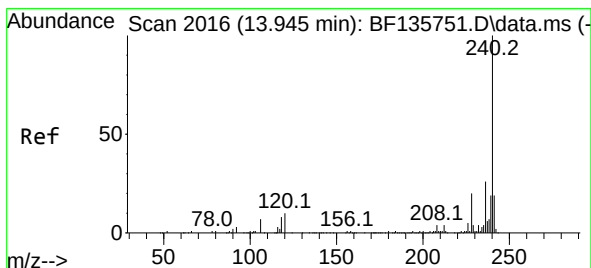
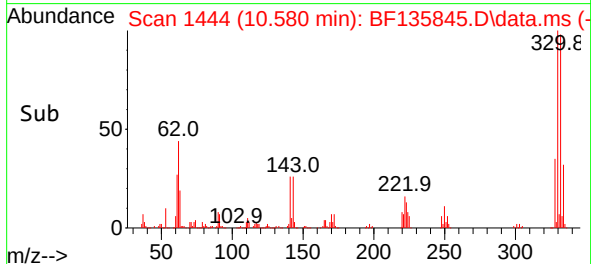
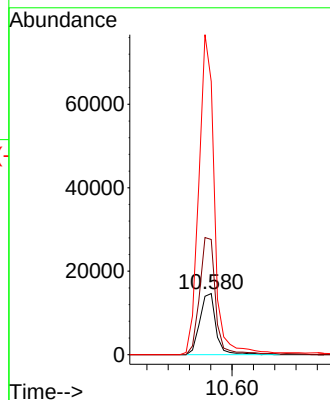
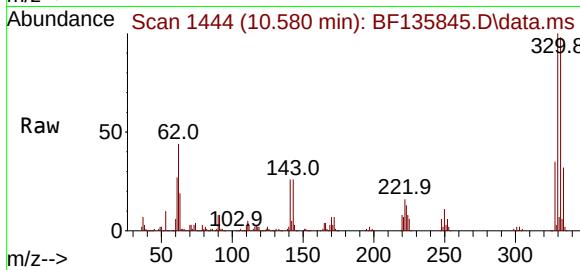




#67
4-Bromophenyl-phenylether
Concen: 5.426 ng
RT: 10.580 min Scan# 1484
Delta R.T. -0.241 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

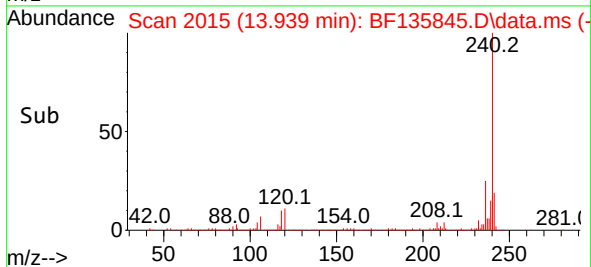
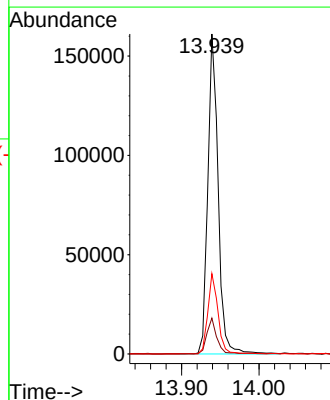
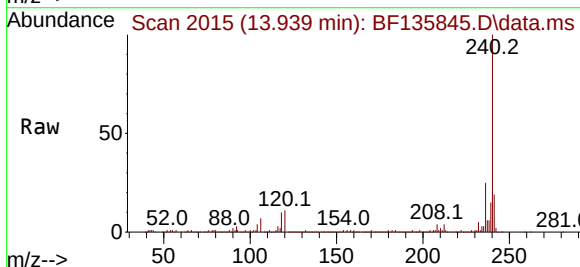
Instrument :
BNA_F
ClientSampleId :
MW-1

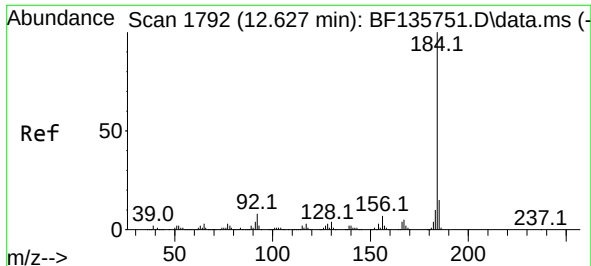
Tgt Ion:248 Resp: 15484
Ion Ratio Lower Upper
248 100
250 188.5 78.0 117.0#
141 446.6 59.0 88.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion:240 Resp: 148915
Ion Ratio Lower Upper
240 100
120 11.2 8.2 12.2
236 25.1 21.2 31.8

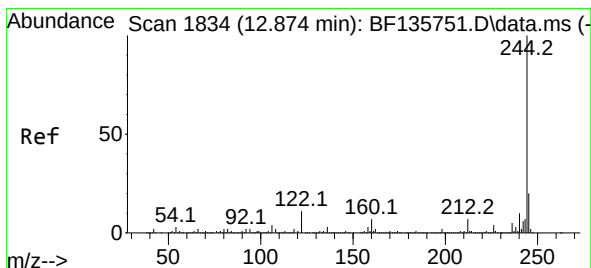
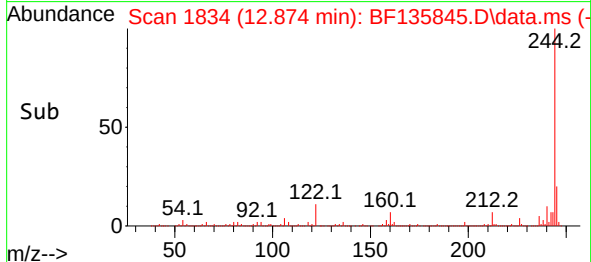
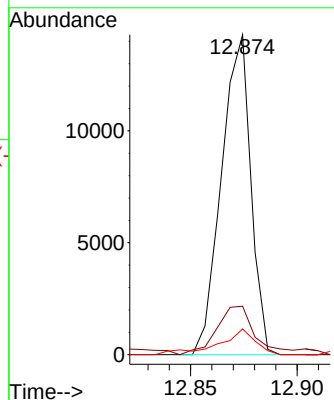
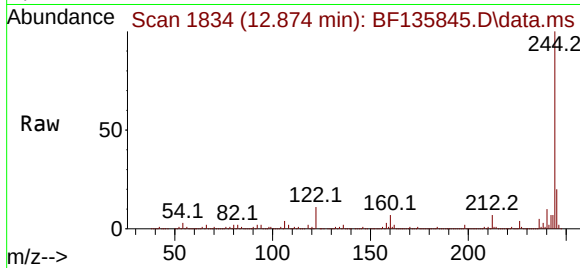




#77
Benzidine
Concen: 4.209 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.241 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

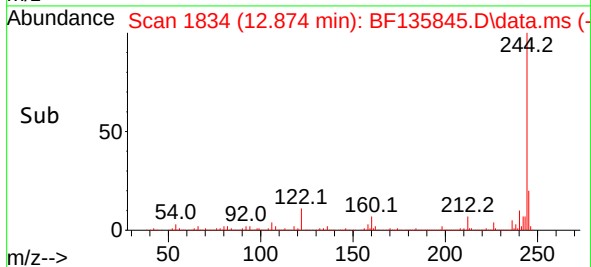
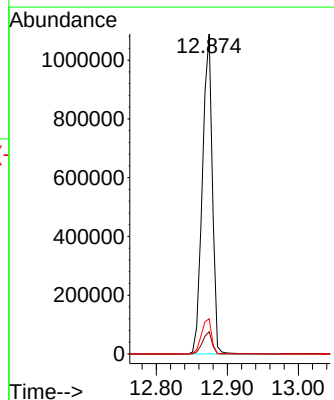
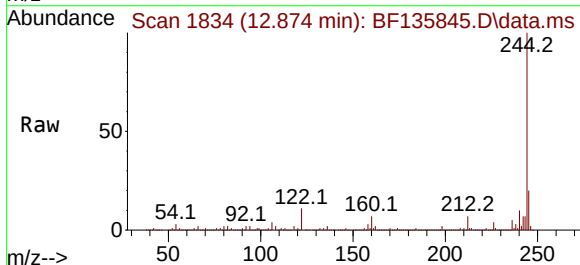
Instrument :
BNA_F
ClientSampleId :
MW-1

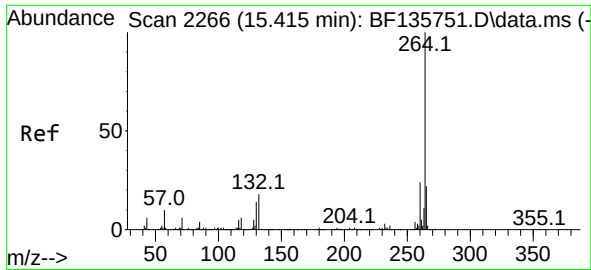
Tgt Ion:184 Resp: 13678
Ion Ratio Lower Upper
184 100
185 15.1 12.0 18.0
183 8.0 8.2 12.2#



#79
Terphenyl-d14
Concen: 131.884 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF135845.D
Acq: 18 Oct 2023 14:02

Tgt Ion:244 Resp: 1060501
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.0 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135845.D

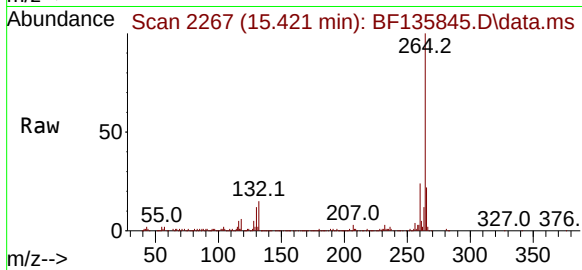
Acq: 18 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

MW-1



Tgt Ion:264 Resp: 149436

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.2 17.4 26.2

