

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135714.D
 Acq On : 11 Oct 2023 15:40
 Operator : CG\JU
 Sample : 04656-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-102D

Quant Time: Oct 12 00:48:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

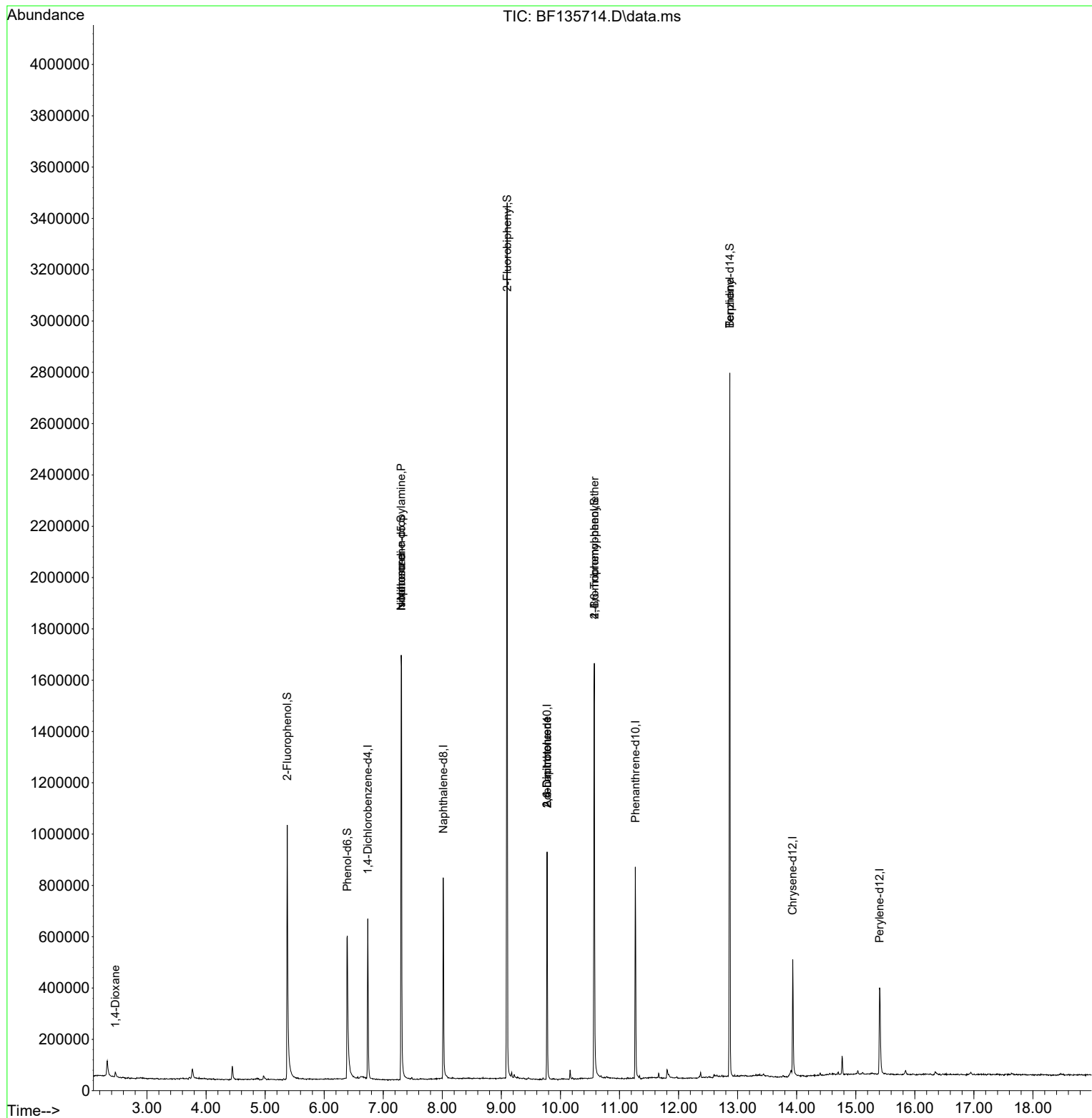
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	89291	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	347972	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	164936	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	315920	20.000	ng	0.00
76) Chrysene-d12	13.933	240	153305	20.000	ng	0.00
86) Perylene-d12	15.404	264	186012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	332828	60.625	ng	0.00
7) Phenol-d6	6.392	99	276444	39.601	ng	0.00
23) Nitrobenzene-d5	7.304	82	563620	87.999	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	211549	129.067	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1087931	99.516	ng	0.00
79) Terphenyl-d14	12.868	244	966874	97.769	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.463	88	10092	4.193	ng	93
19) n-Nitroso-di-n-propyla...	7.304	70	76234	17.631	ng	# 82
25) Isophorone	7.304	82	563620	47.923	ng	# 65
51) 2,6-Dinitrotoluene	9.774	165	20523	8.401	ng	# 17
57) 2,4-Dinitrotoluene	9.774	165	20523	6.711	ng	# 19
67) 4-Bromophenyl-phenylether	10.574	248	13203	4.202	ng	# 1
77) Benzidine	12.868	184	11908	3.791	ng	# 96

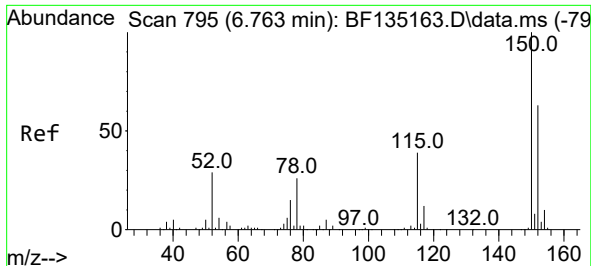
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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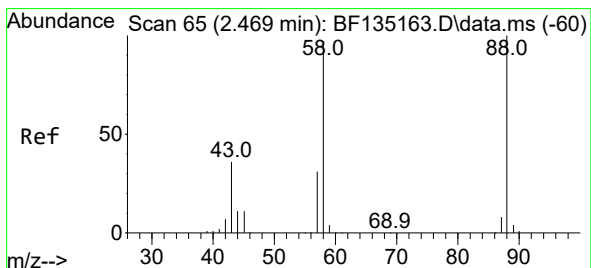
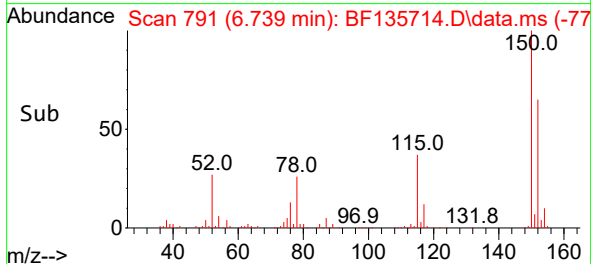
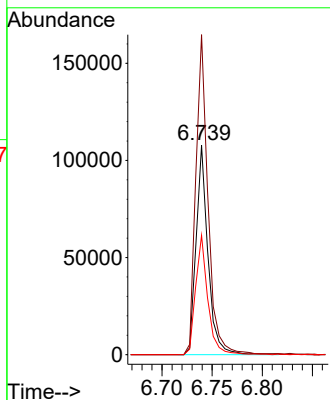
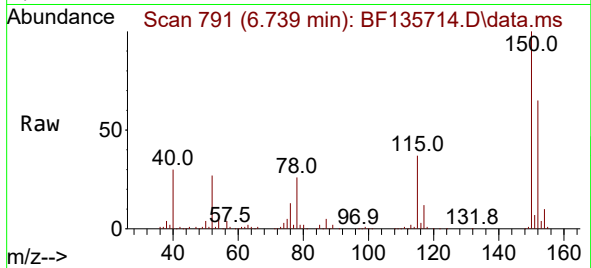




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

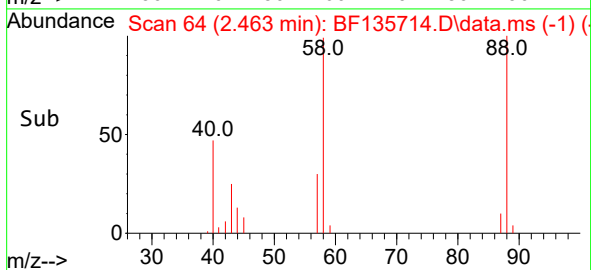
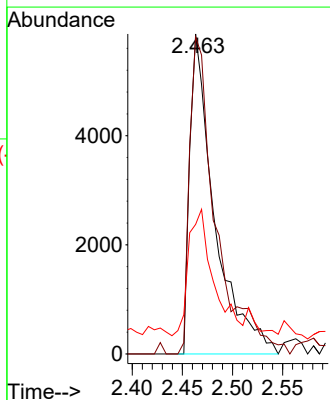
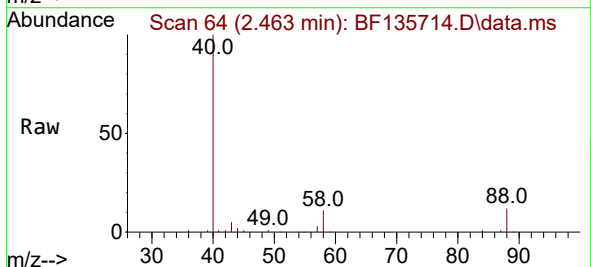
Instrument :
BNA_F
ClientSampleId :
MW-102D

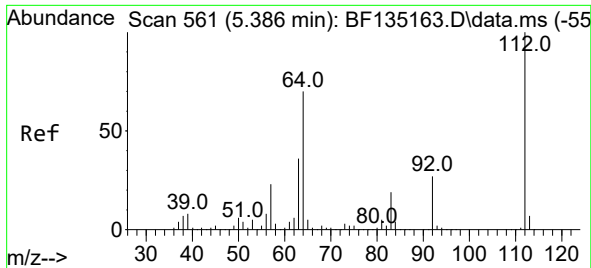
Tgt Ion:152 Resp: 89291
Ion Ratio Lower Upper
152 100
150 152.8 127.8 191.6
115 57.0 49.8 74.8



#2
1,4-Dioxane
Concen: 4.193 ng
RT: 2.463 min Scan# 64
Delta R.T. 0.035 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion: 88 Resp: 10092
Ion Ratio Lower Upper
88 100
58 105.1 78.3 117.5
43 39.4 29.4 44.0

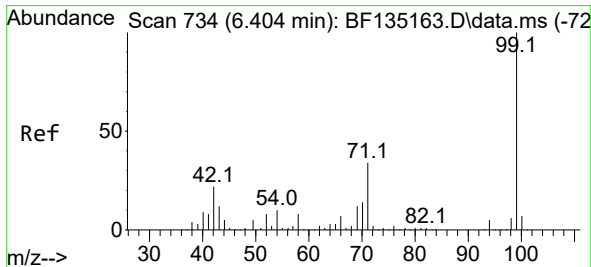
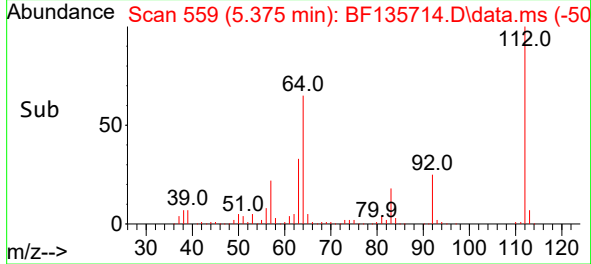
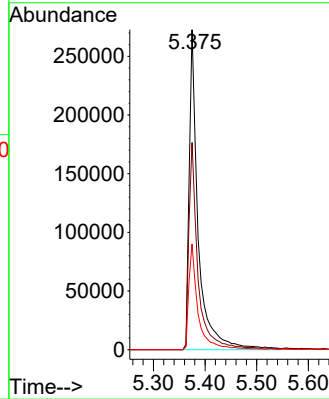
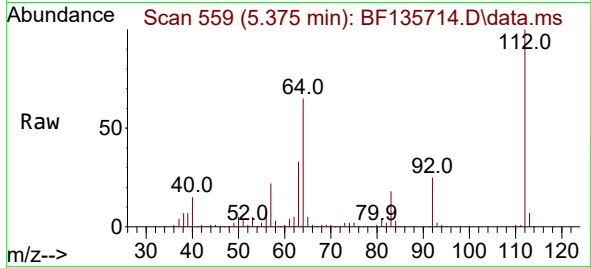




#5
2-Fluorophenol
Concen: 60.625 ng
RT: 5.375 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

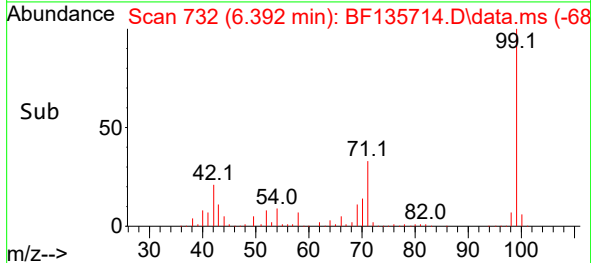
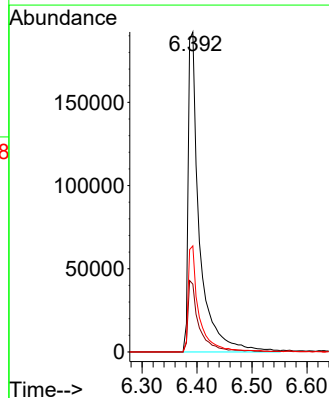
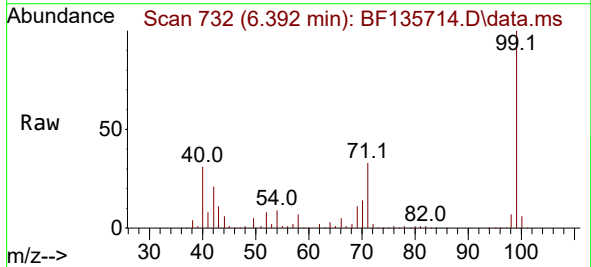
Instrument :
BNA_F
ClientSampleId :
MW-102D

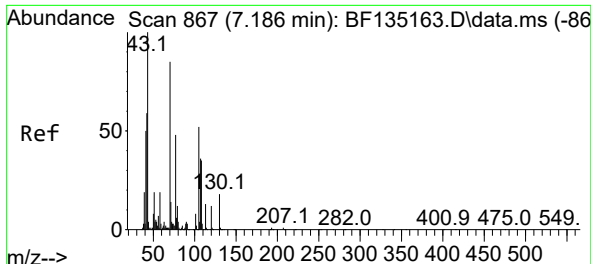
Tgt Ion:112 Resp: 332828
Ion Ratio Lower Upper
112 100
64 64.8 55.9 83.9
63 33.1 29.0 43.6



#7
Phenol-d6
Concen: 39.601 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion: 99 Resp: 276444
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 33.2 27.0 40.6





#19

n-Nitroso-di-n-propylamine

Concen: 17.631 ng

RT: 7.304 min Scan# 81

Delta R.T. 0.147 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-102D

Tgt Ion: 70 Resp: 76234

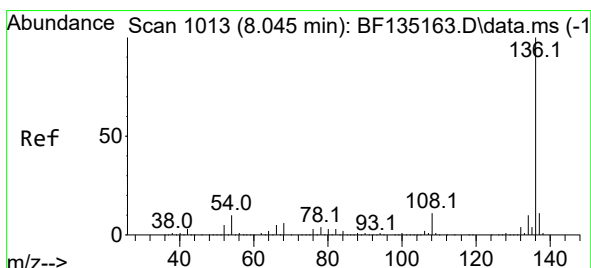
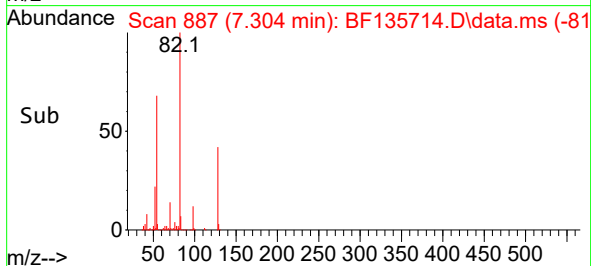
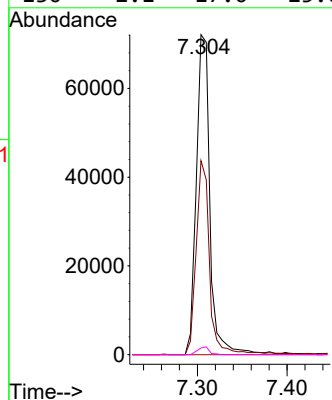
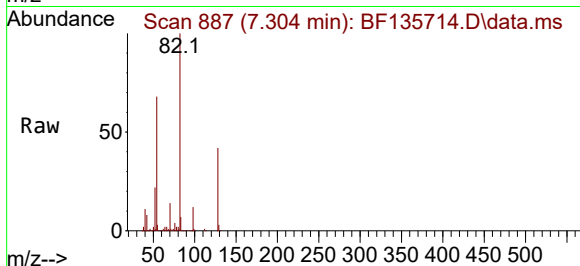
Ion Ratio Lower Upper

70 100

42 60.6 55.4 83.0

101 0.0 7.7 11.5#

130 2.1 17.0 25.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

Tgt Ion:136 Resp: 347972

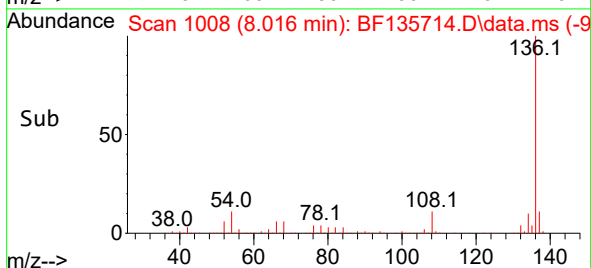
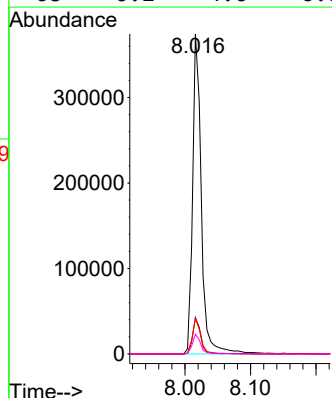
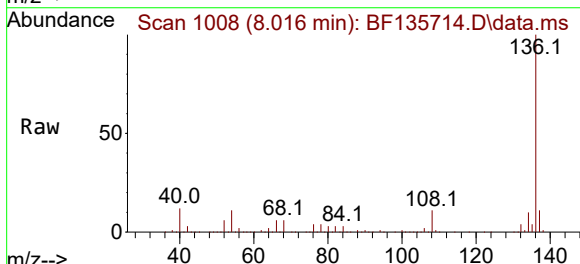
Ion Ratio Lower Upper

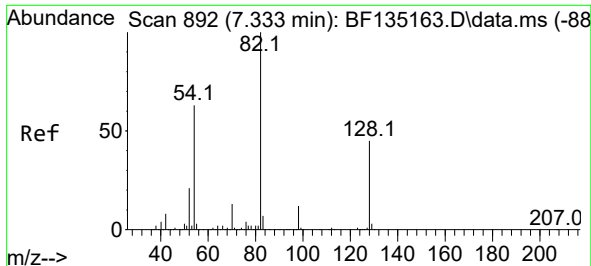
136 100

137 11.4 8.8 13.2

54 11.2 7.7 11.5

68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 87.999 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-102D

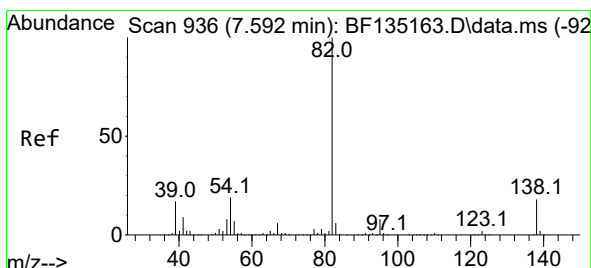
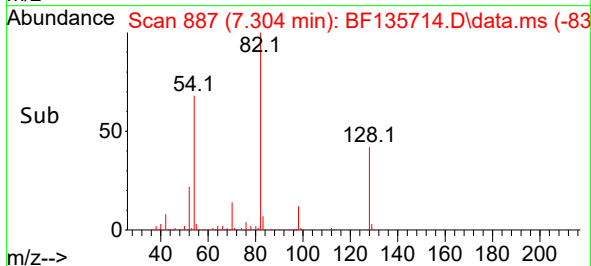
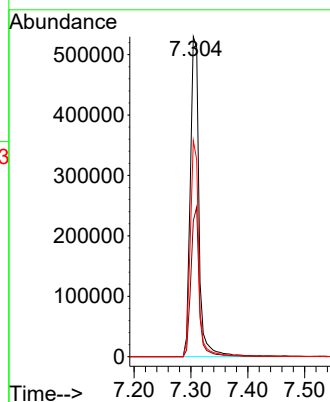
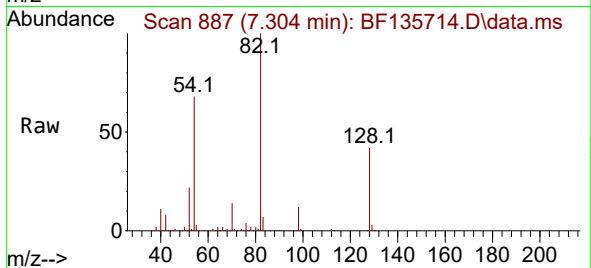
Tgt Ion: 82 Resp: 563620

Ion Ratio Lower Upper

82 100

128 42.5 35.8 53.6

54 67.5 50.6 76.0



#25

Isophorone

Concen: 47.923 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

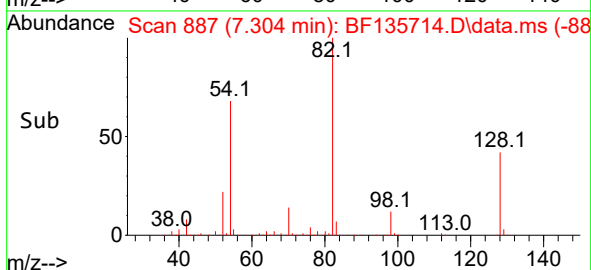
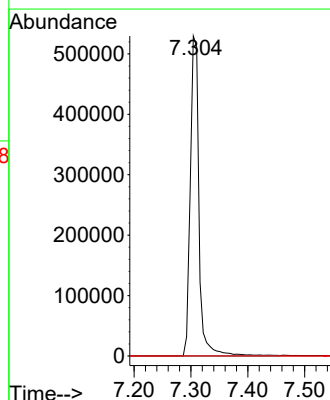
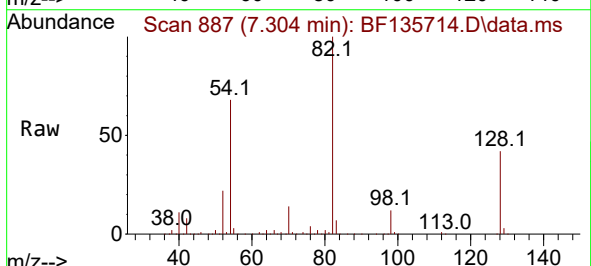
Tgt Ion: 82 Resp: 563620

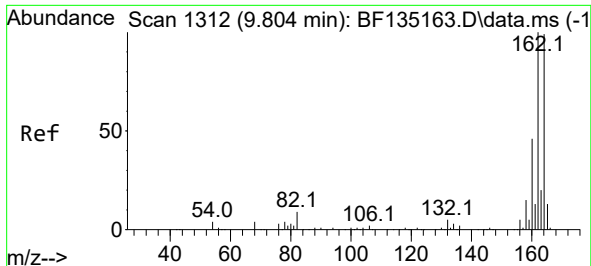
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-102D

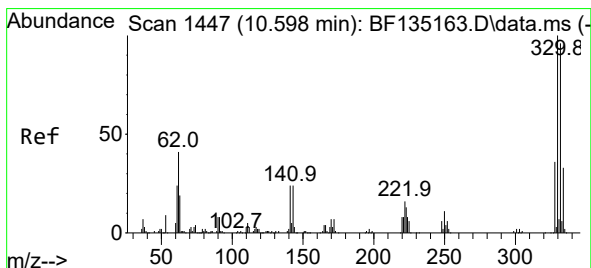
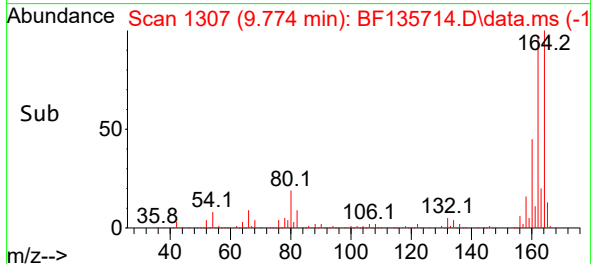
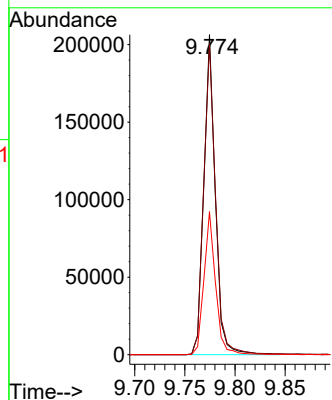
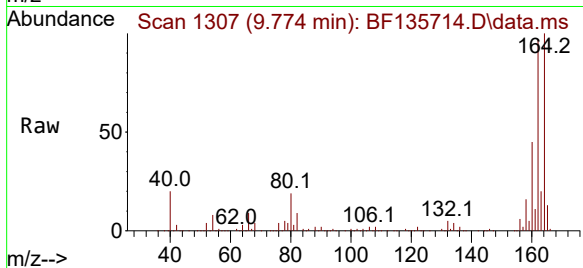
Tgt Ion:164 Resp: 164936

Ion Ratio Lower Upper

164 100

162 97.2 81.0 121.4

160 44.7 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 129.067 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135714.D

Acq: 11 Oct 2023 15:40

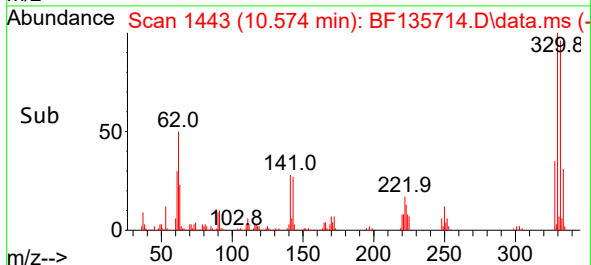
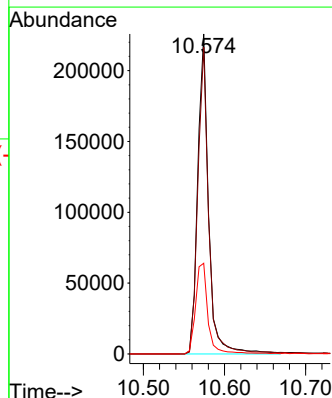
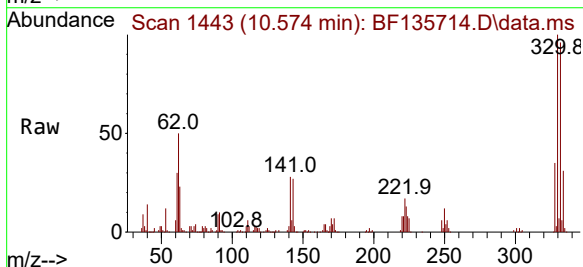
Tgt Ion:330 Resp: 211549

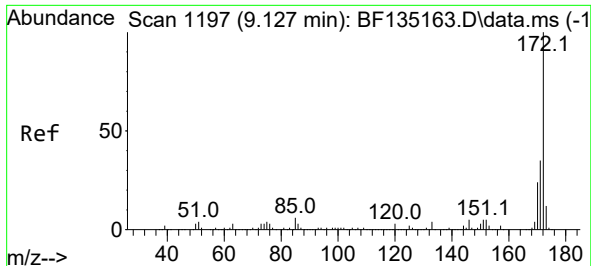
Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 32.3 25.8 38.8

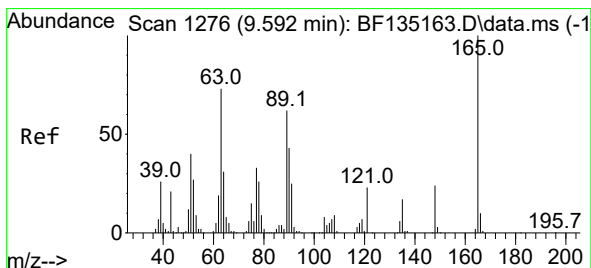
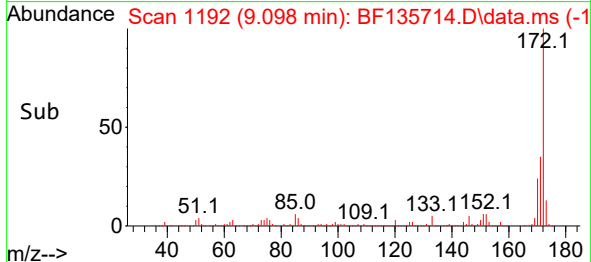
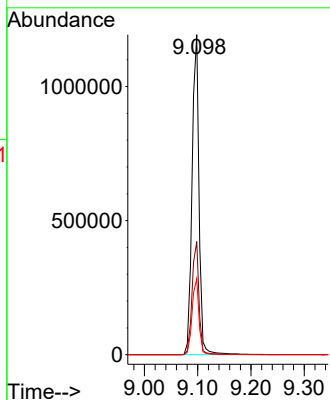
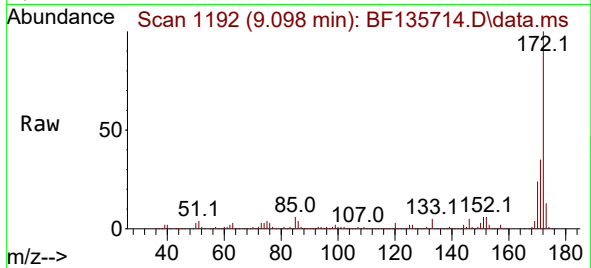




#45
2-Fluorobiphenyl
Concen: 99.516 ng
RT: 9.098 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

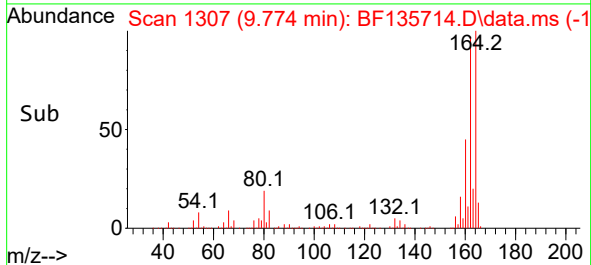
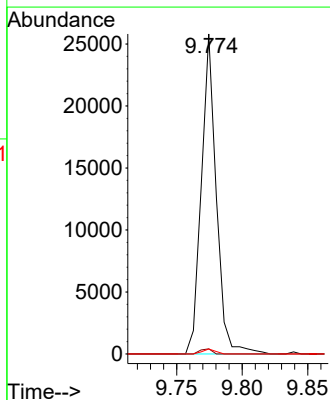
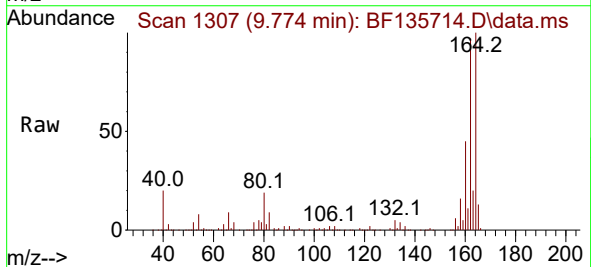
Instrument :
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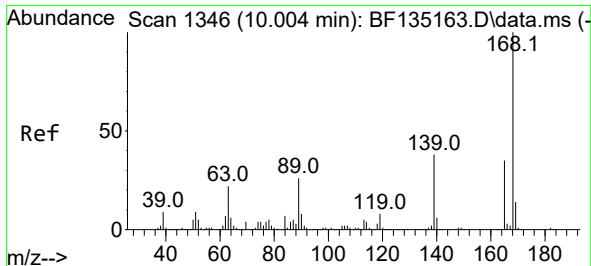
Tgt Ion:172 Resp: 1087931
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.8 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 8.401 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion:165 Resp: 20523
Ion Ratio Lower Upper
165 100
63 1.6 59.4 89.2#
89 1.5 49.8 74.8#

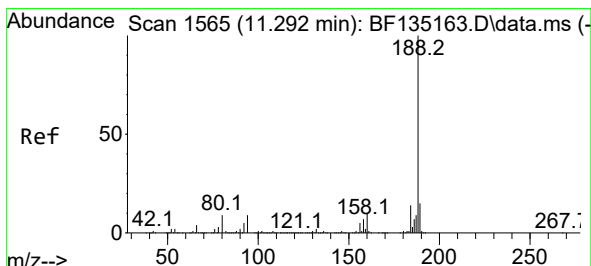
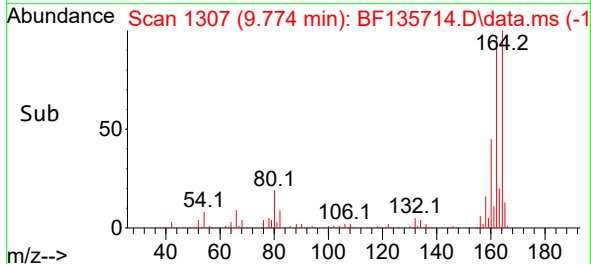
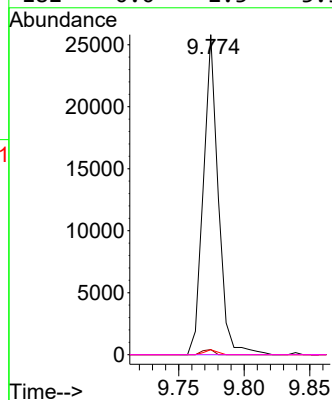
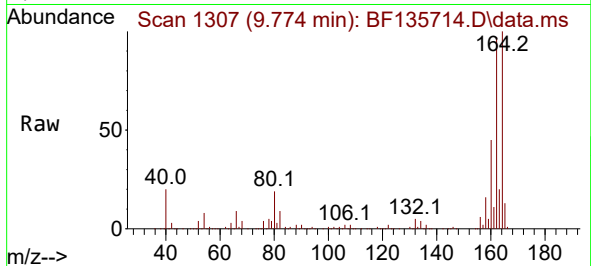




#57
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

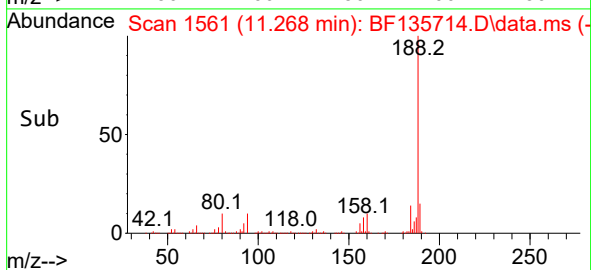
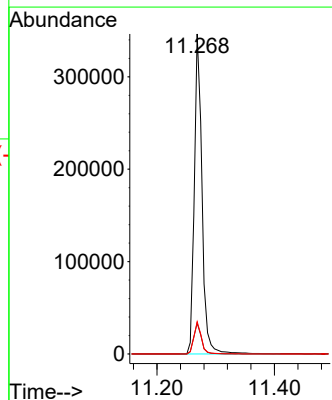
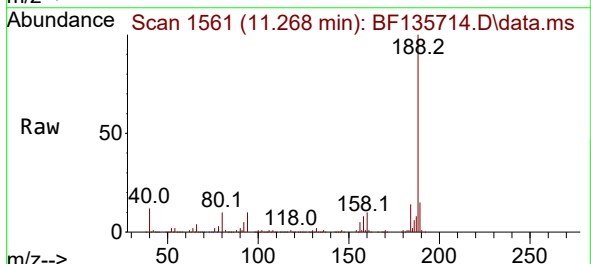
Instrument :
BNA_F
ClientSampleId :
MW-102D

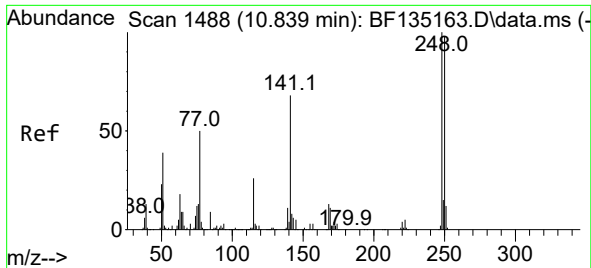
Tgt Ion:165 Resp: 20523
Ion Ratio Lower Upper
165 100
63 1.6 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion:188 Resp: 315920
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.1 7.5 11.3

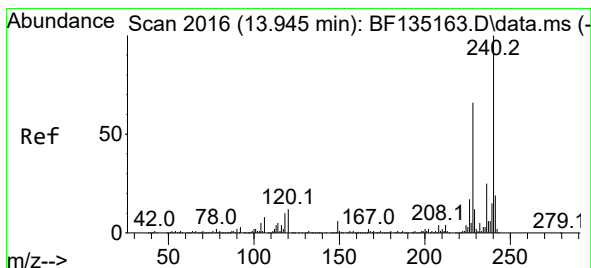
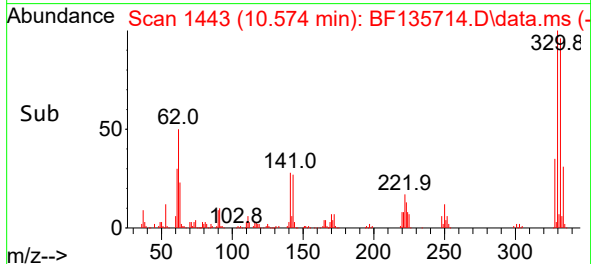
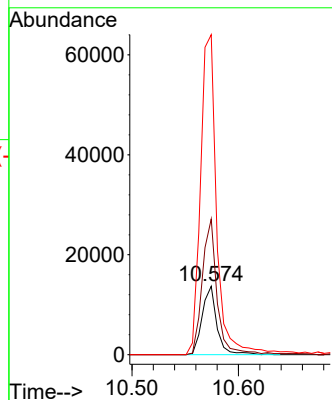
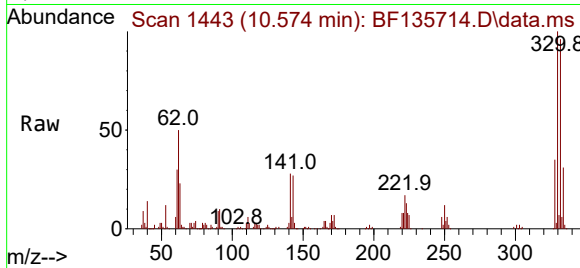




#67
4-Bromophenyl-phenylether
Concen: 4.202 ng
RT: 10.574 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

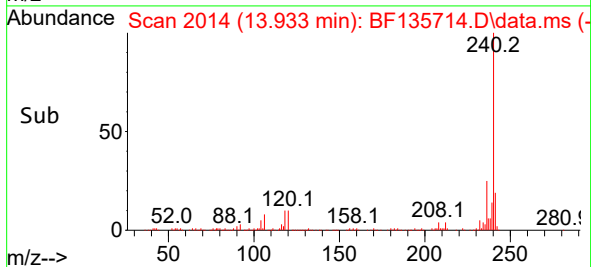
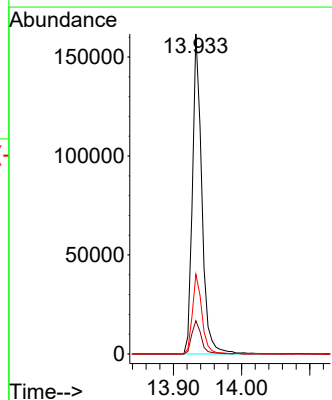
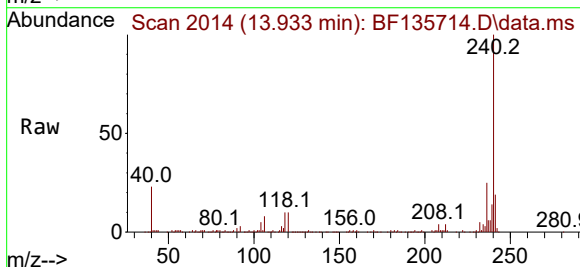
Instrument :
BNA_F
ClientSampleId :
MW-102D

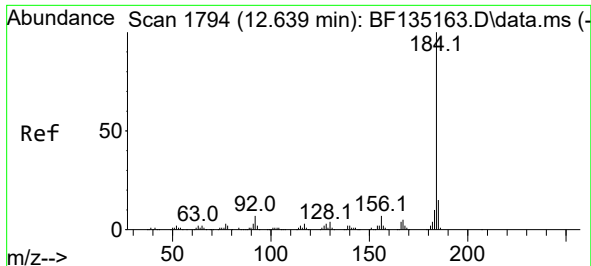
Tgt Ion:248 Resp: 13203
Ion Ratio Lower Upper
248 100
250 198.1 78.6 117.8#
141 467.1 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion:240 Resp: 153305
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 24.9 19.8 29.8

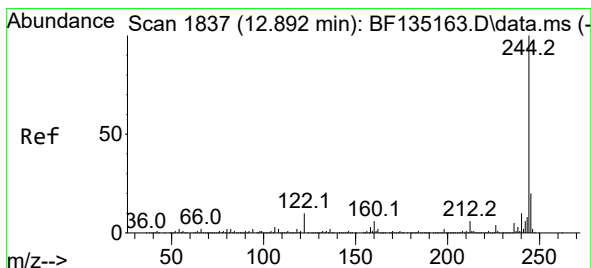
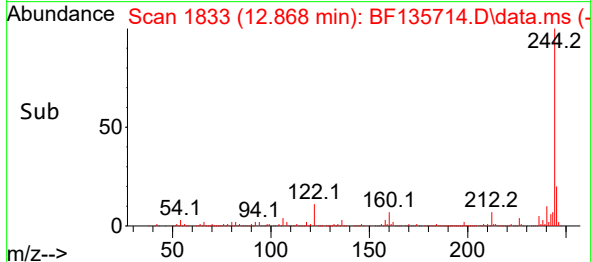
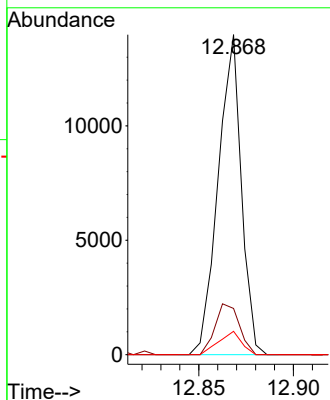
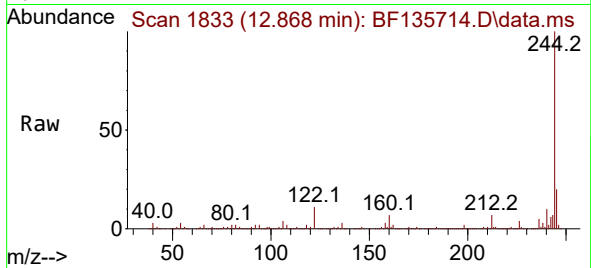




#77
Benzidine
Concen: 3.791 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.241 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

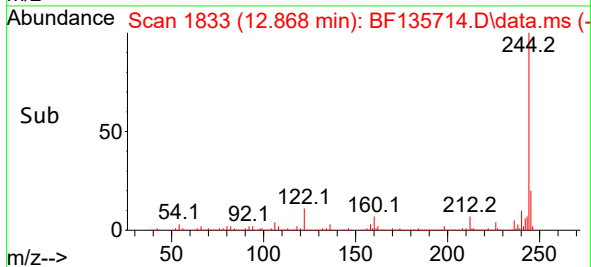
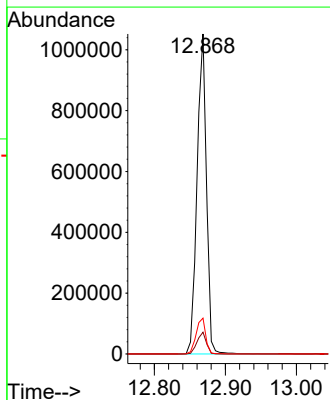
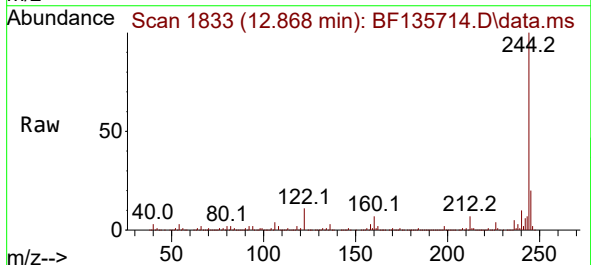
Instrument :
BNA_F
ClientSampleId :
MW-102D

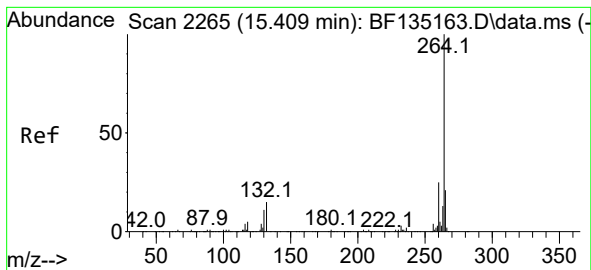
Tgt Ion:184 Resp: 11908
Ion Ratio Lower Upper
184 100
185 14.5 11.7 17.5
183 7.3 8.2 12.4#



#79
Terphenyl-d14
Concen: 97.769 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.000 min
Lab File: BF135714.D
Acq: 11 Oct 2023 15:40

Tgt Ion:244 Resp: 966874
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.2 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135714.D

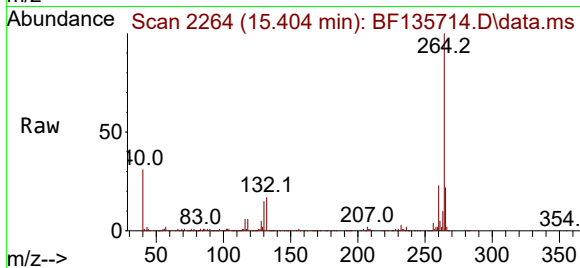
Acq: 11 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-102D



Tgt Ion:264 Resp: 186012

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 22.2 17.0 25.4

