

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135733.D
 Acq On : 12 Oct 2023 14:22
 Operator : CG\JU
 Sample : 04685-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B6A-0-7.5

Quant Time: Oct 13 00:55:25 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)

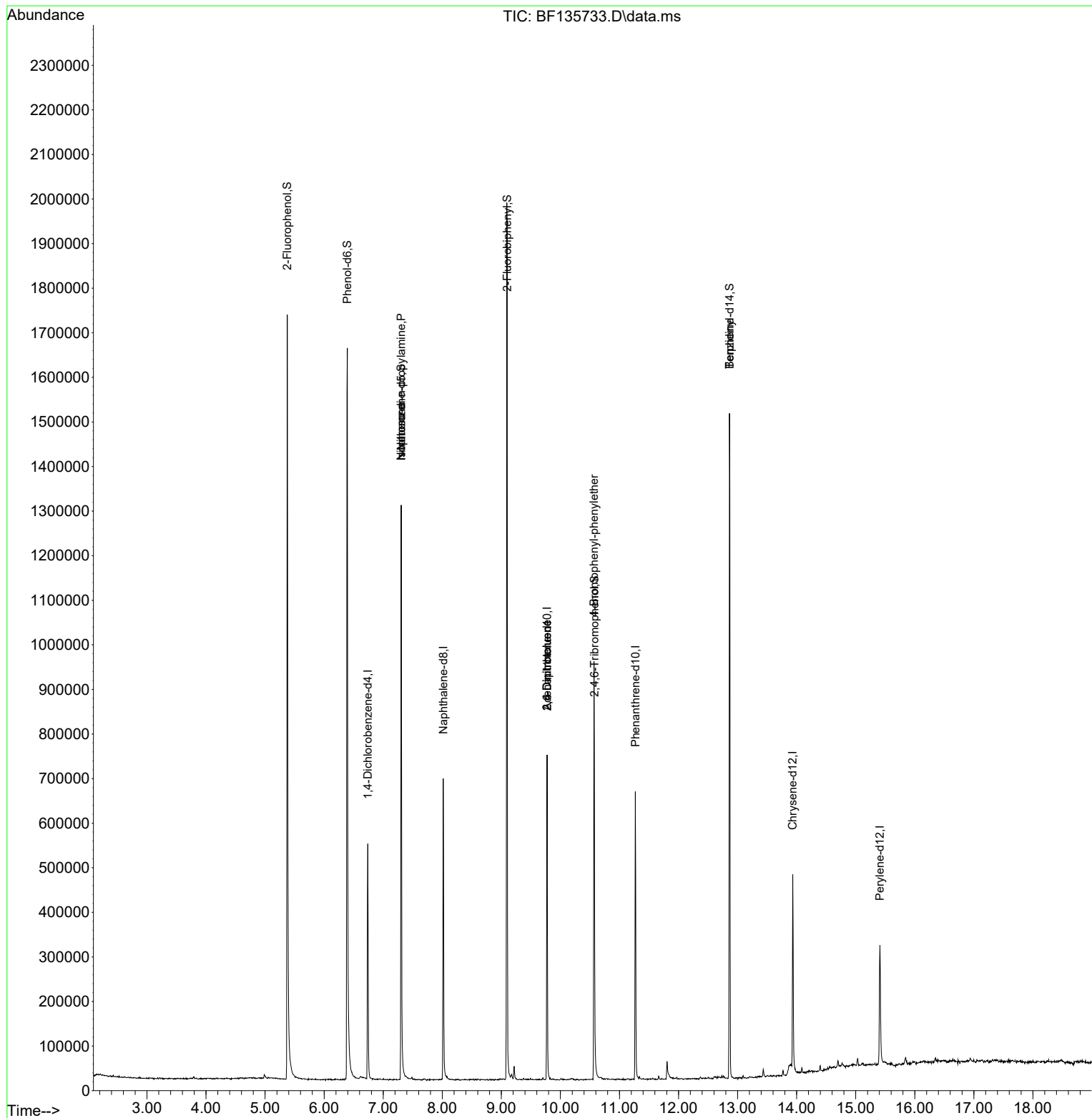
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	80692	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	303063	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	142175	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	246071	20.000	ng	0.00
76) Chrysene-d12	13.933	240	150877	20.000	ng	0.00
86) Perylene-d12	15.410	264	141397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	494690	99.711	ng	0.00
7) Phenol-d6	6.393	99	618401	98.026	ng	0.00
23) Nitrobenzene-d5	7.304	82	370146	66.355	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	122311	86.569	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	658571	69.886	ng	0.00
79) Terphenyl-d14	12.863	244	532055	54.666	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	49050	12.553	ng	# 81
25) Isophorone	7.304	82	370146	36.136	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	18026	8.560	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	18026	6.838	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	7049	2.880	ng	# 1
77) Benzidine	12.863	184	6935	2.244	ng	# 91

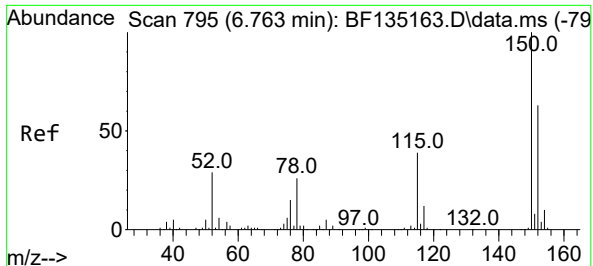
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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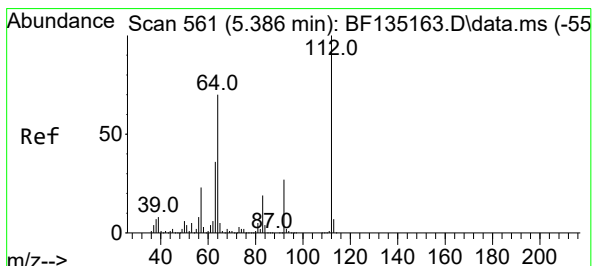
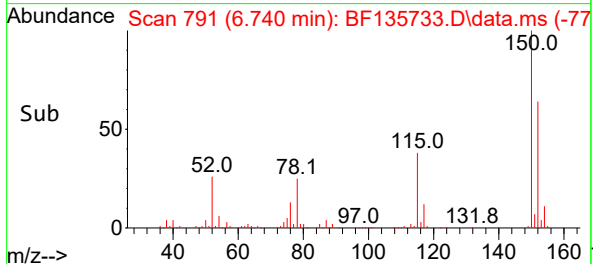
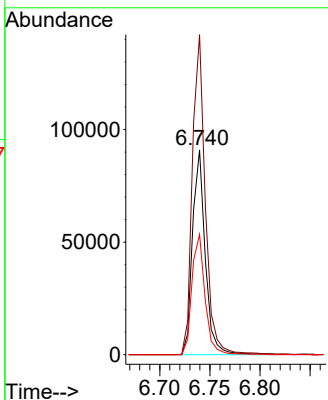
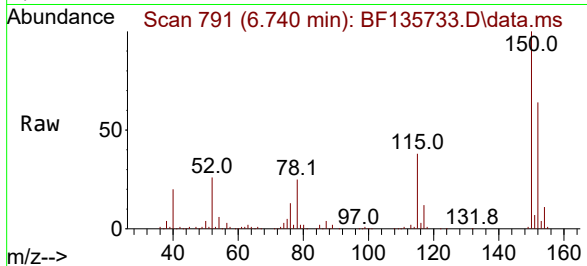




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

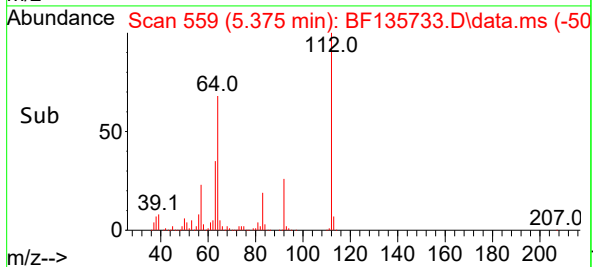
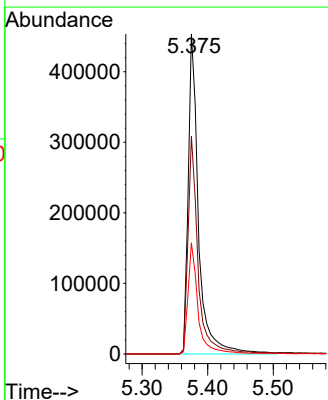
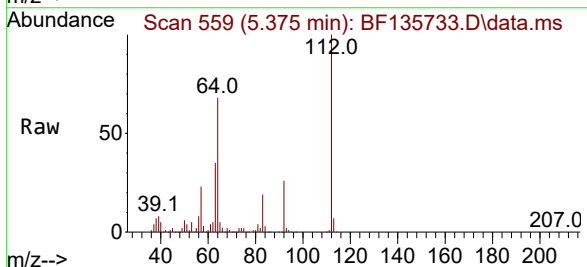
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-0-7.5

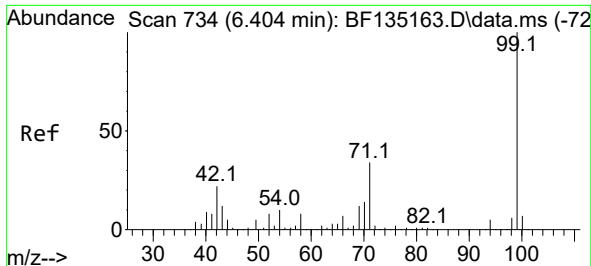
Tgt Ion:152 Resp: 80692
Ion Ratio Lower Upper
152 100
150 156.2 127.8 191.6
115 58.7 49.8 74.8



#5
2-Fluorophenol
Concen: 99.711 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

Tgt Ion:112 Resp: 494690
Ion Ratio Lower Upper
112 100
64 68.1 55.9 83.9
63 34.8 29.0 43.6

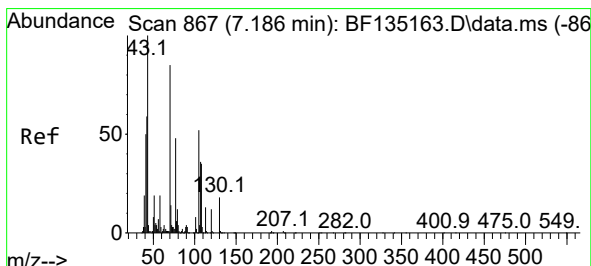
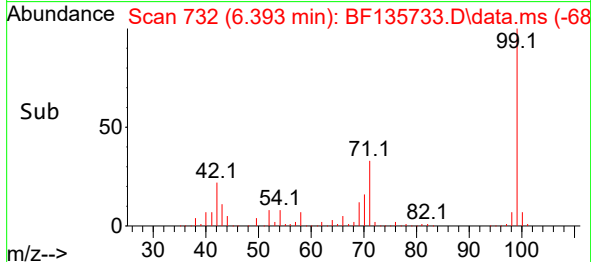
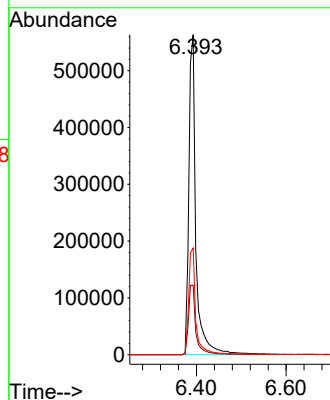
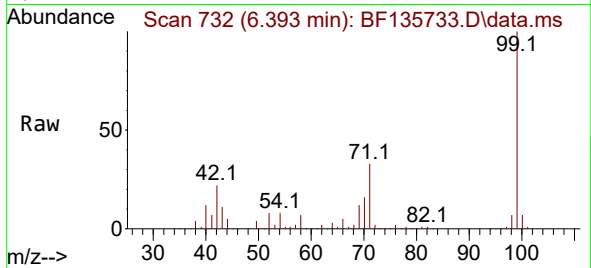




#7
Phenol-d6
Concen: 98.026 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

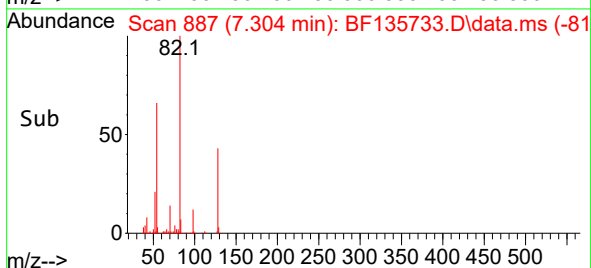
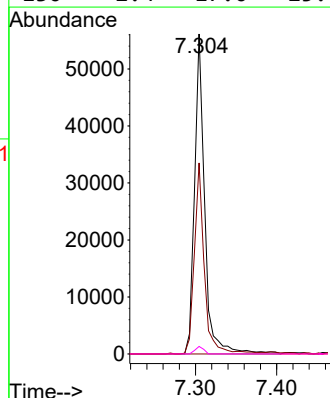
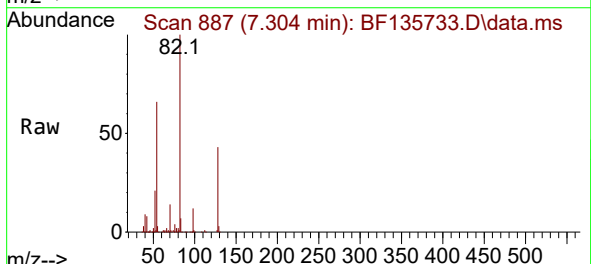
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-0-7.5

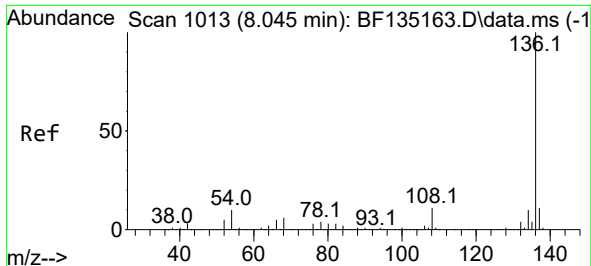
Tgt Ion: 99 Resp: 618401
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 33.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.553 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

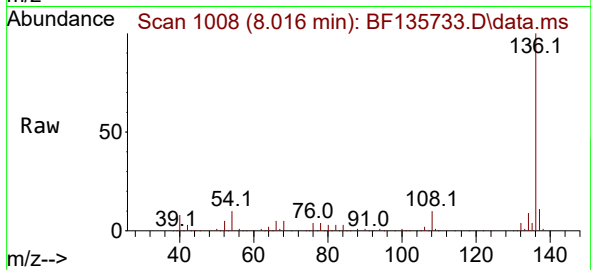
Tgt Ion: 70 Resp: 49050
Ion Ratio Lower Upper
70 100
42 59.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#



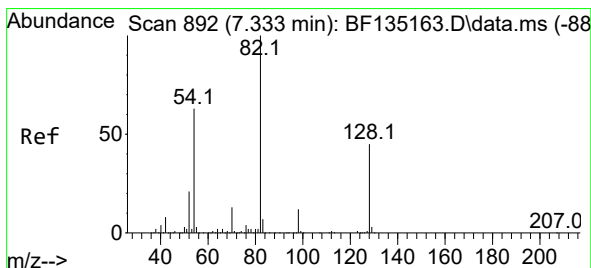
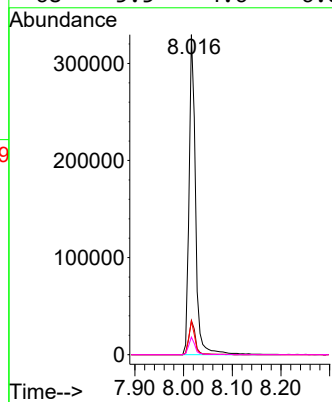
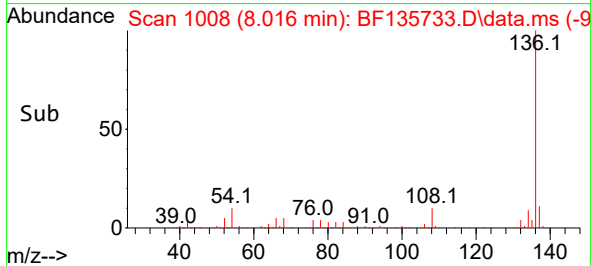


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-0-7.5

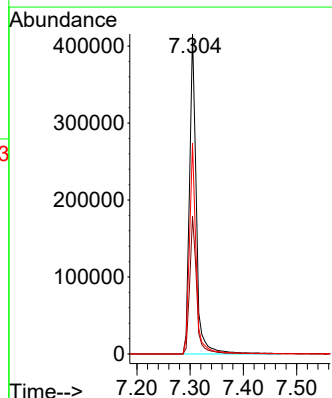
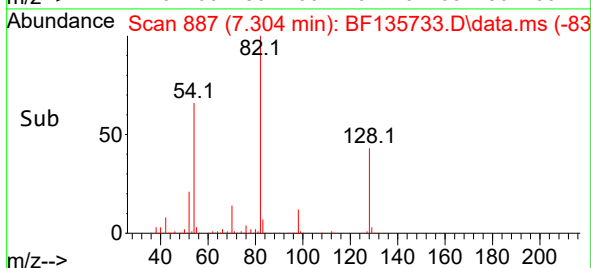
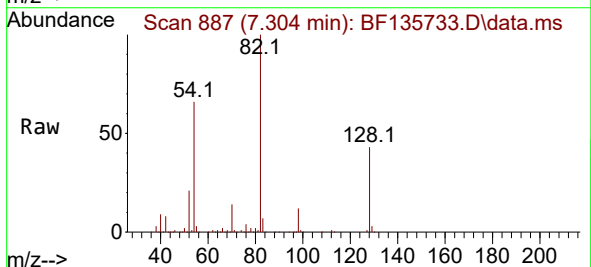


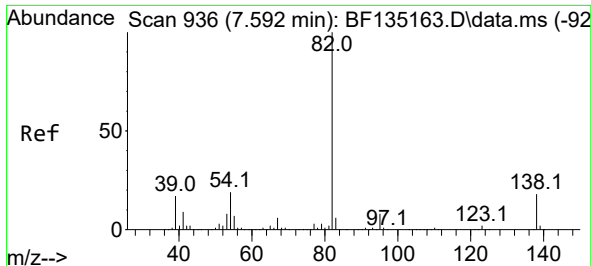
Tgt Ion:136 Resp: 303063
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.5 7.7 11.5
68 5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 66.355 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

Tgt Ion: 82 Resp: 370146
Ion Ratio Lower Upper
82 100
128 43.0 35.8 53.6
54 65.8 50.6 76.0

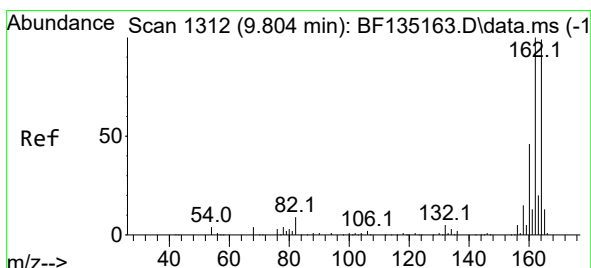
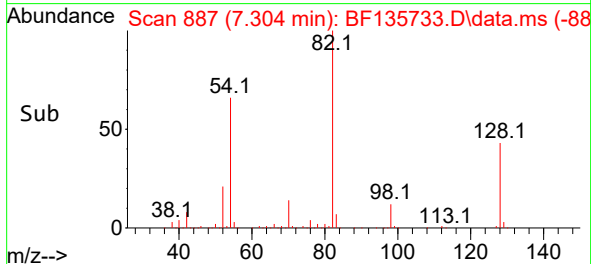
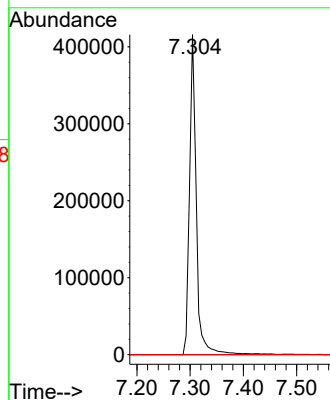
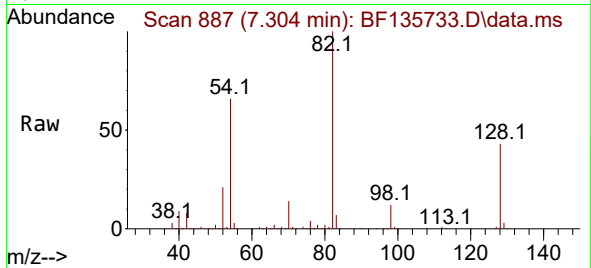




#25
Isophorone
Concen: 36.136 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

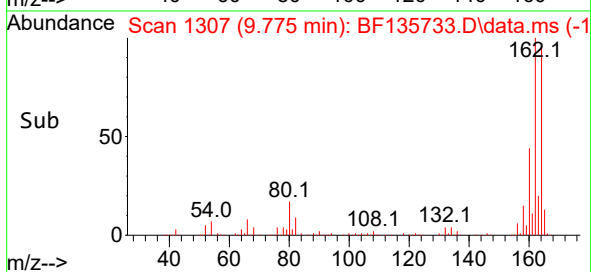
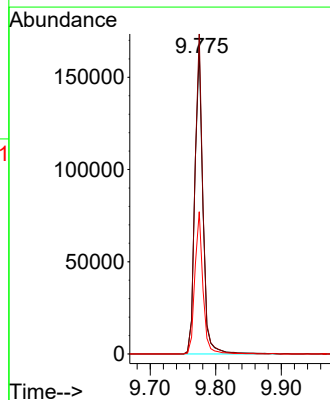
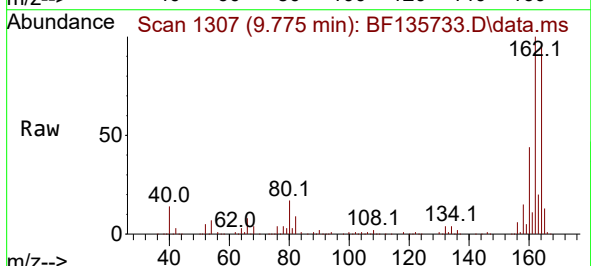
Instrument :
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PP-20230928-B6A-0-7.5

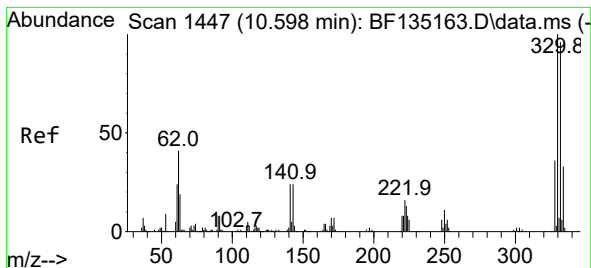
Tgt Ion: 82 Resp: 370146
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

Tgt Ion:164 Resp: 142175
Ion Ratio Lower Upper
164 100
162 105.2 81.0 121.4
160 46.7 37.0 55.4

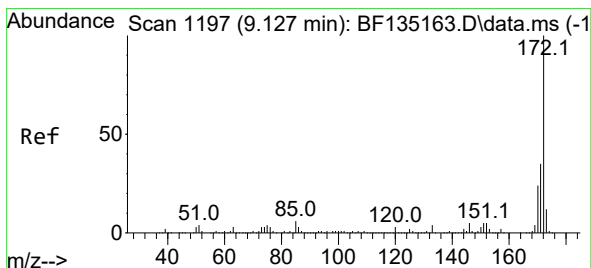
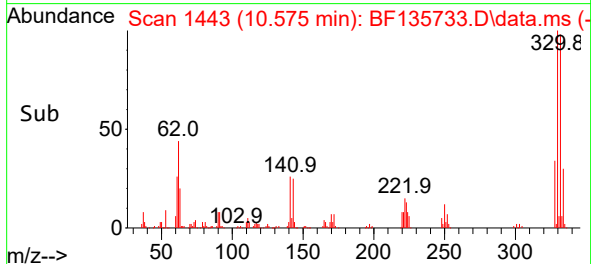
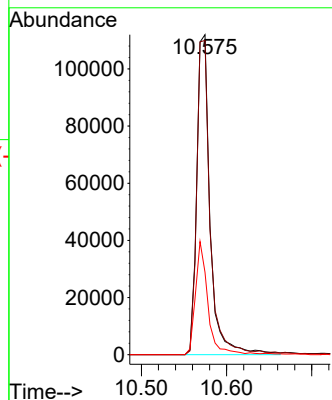
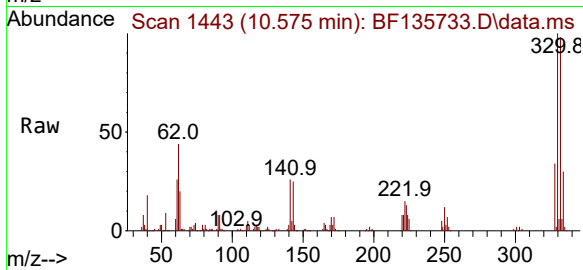




#42
2,4,6-Tribromophenol
Concen: 86.569 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

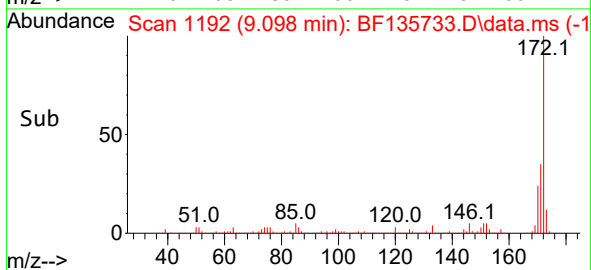
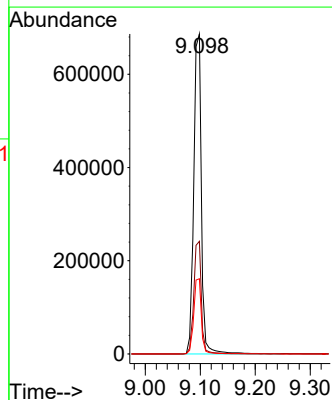
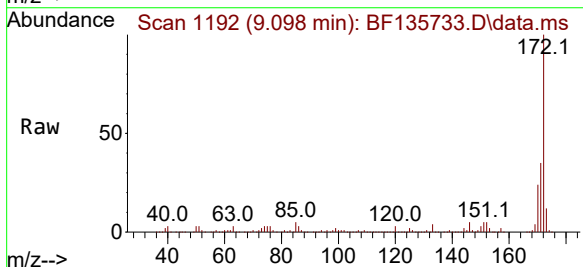
Instrument :
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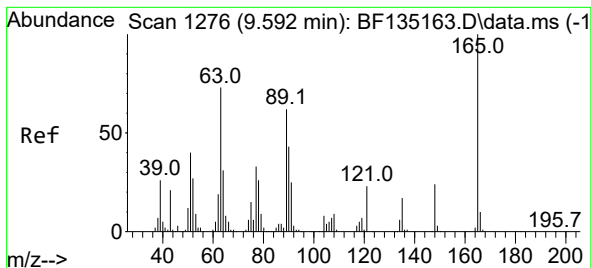
Tgt Ion:330 Resp: 122311
Ion Ratio Lower Upper
330 100
332 99.9 77.3 115.9
141 32.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 69.886 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135733.D
Acq: 12 Oct 2023 14:22

Tgt Ion:172 Resp: 658571
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.5 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.560 ng

RT: 9.775 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B6A-0-7.5

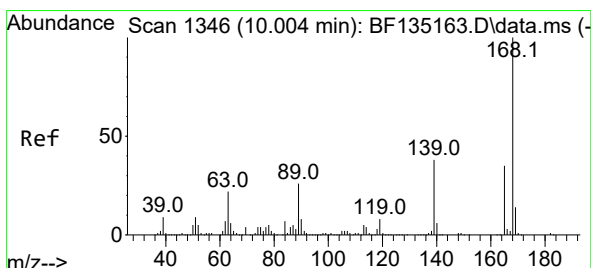
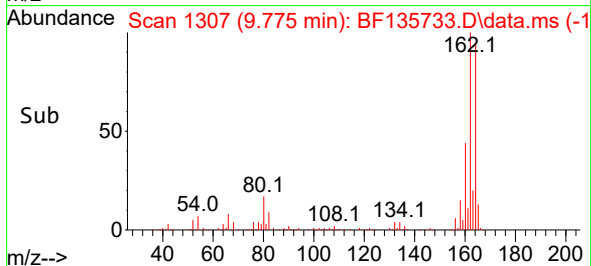
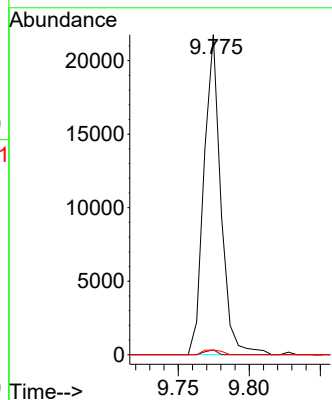
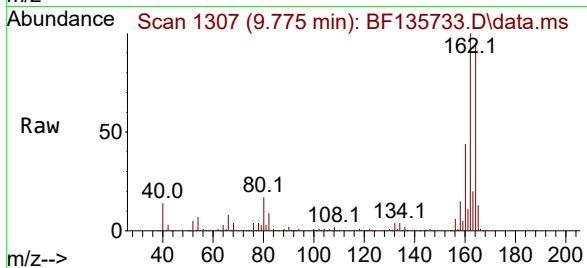
Tgt Ion:165 Resp: 18026

Ion Ratio Lower Upper

165 100

63 1.5 59.4 89.2#

89 1.5 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.838 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.218 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

Tgt Ion:165 Resp: 18026

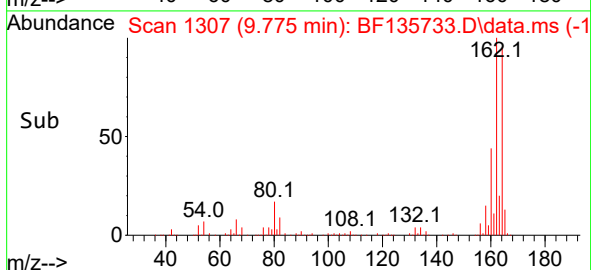
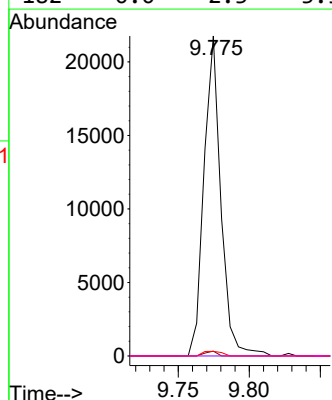
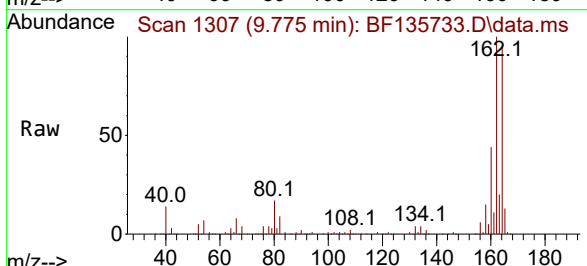
Ion Ratio Lower Upper

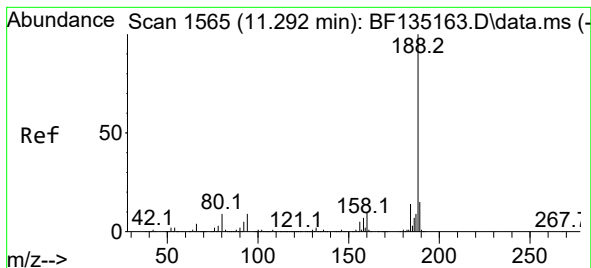
165 100

63 1.5 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: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

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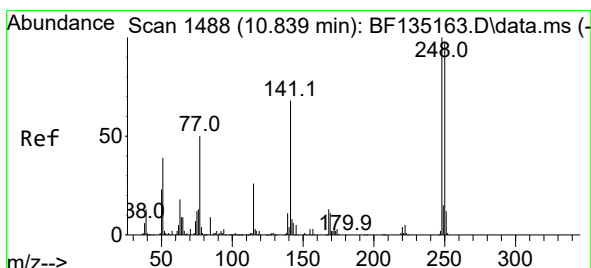
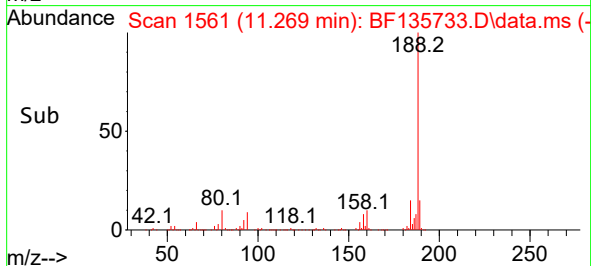
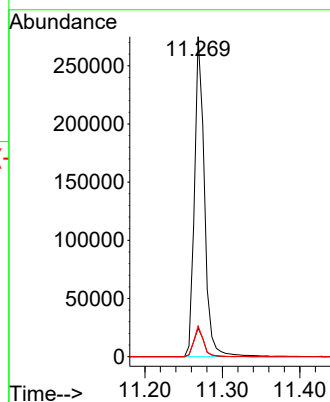
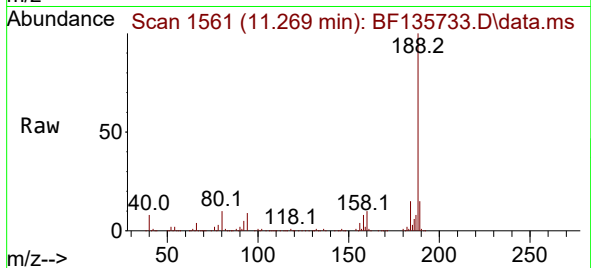
Tgt Ion:188 Resp: 246071

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 9.6 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.880 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

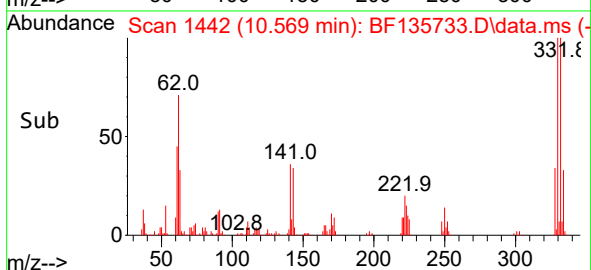
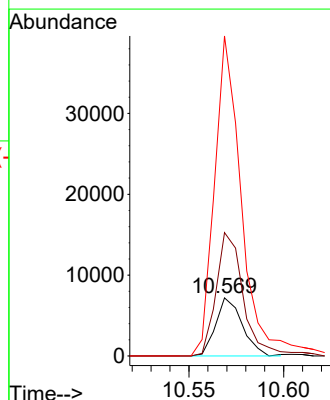
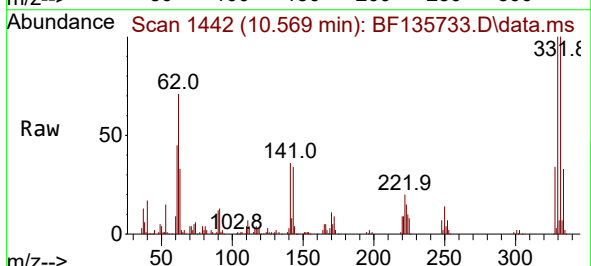
Tgt Ion:248 Resp: 7049

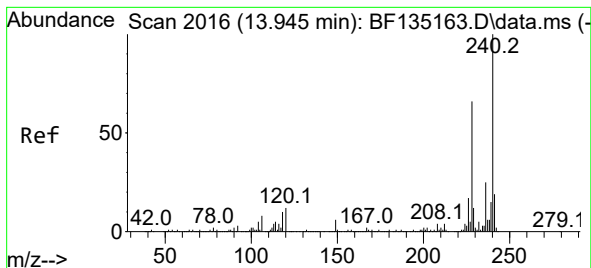
Ion Ratio Lower Upper

248 100

250 212.6 78.6 117.8#

141 551.5 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B6A-0-7.5

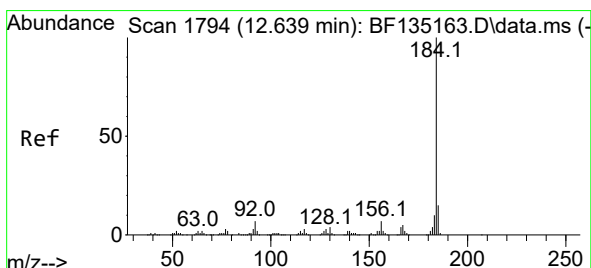
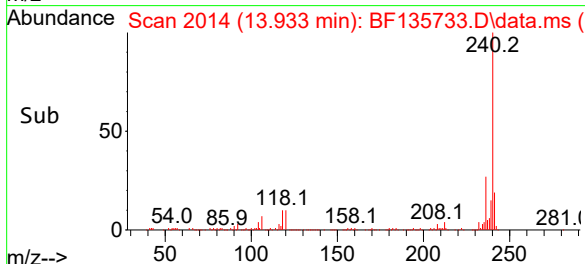
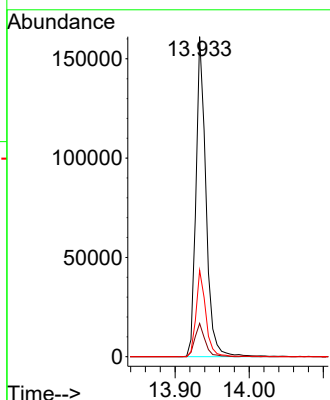
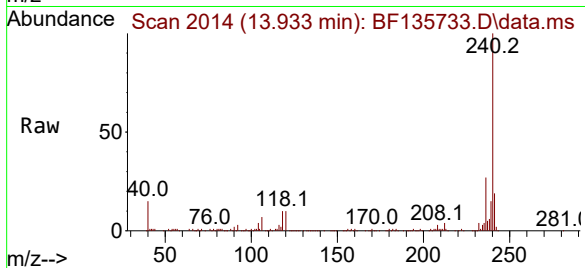
Tgt Ion:240 Resp: 150877

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 27.0 19.8 29.8



#77

Benzidine

Concen: 2.244 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.235 min

Lab File: BF135733.D

Acq: 12 Oct 2023 14:22

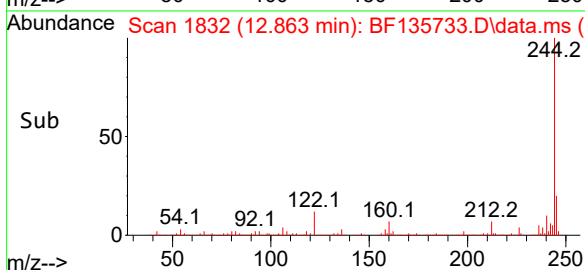
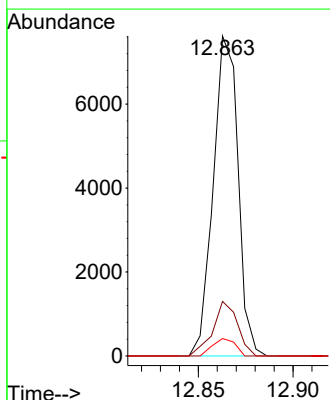
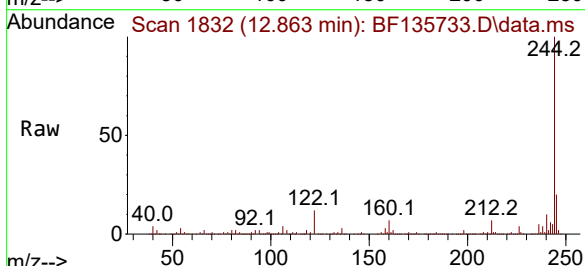
Tgt Ion:184 Resp: 6935

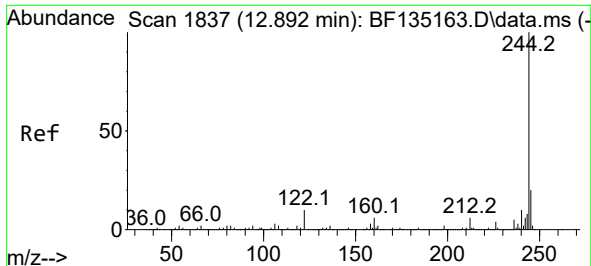
Ion Ratio Lower Upper

184 100

185 17.1 11.7 17.5

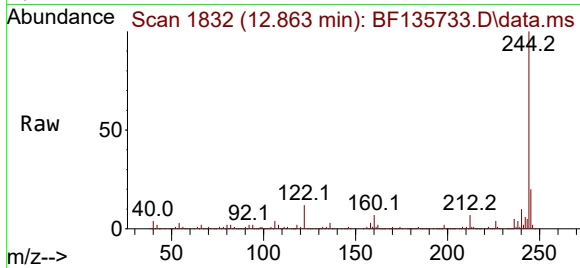
183 5.5 8.2 12.4#



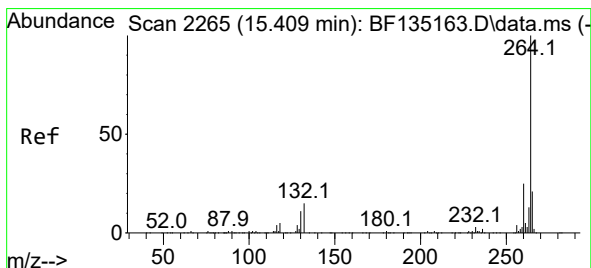
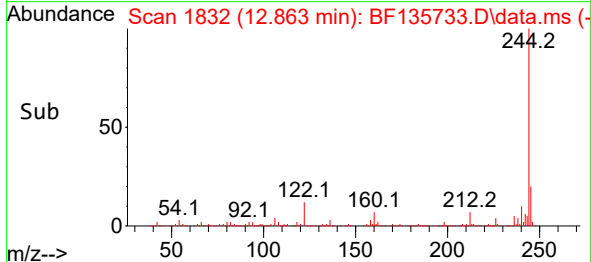
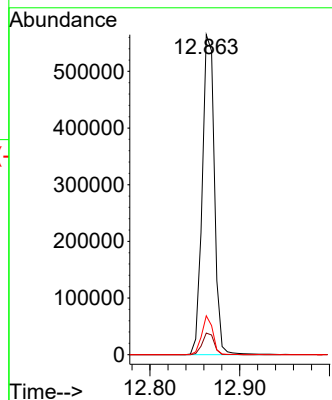


#79
 Terphenyl-d14
 Concen: 54.666 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF135733.D
 Acq: 12 Oct 2023 14:22

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B6A-0-7.5



Tgt Ion:244 Resp: 532055
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.2 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. 0.006 min
 Lab File: BF135733.D
 Acq: 12 Oct 2023 14:22

Tgt Ion:264 Resp: 141397
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.8 29.6
 265 21.6 17.0 25.4

