

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135083.D
 Acq On : 01 Sep 2023 18:46
 Operator : CG\JU
 Sample : 04189-02DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(16-18)DL

Quant Time: Sep 02 00:28:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

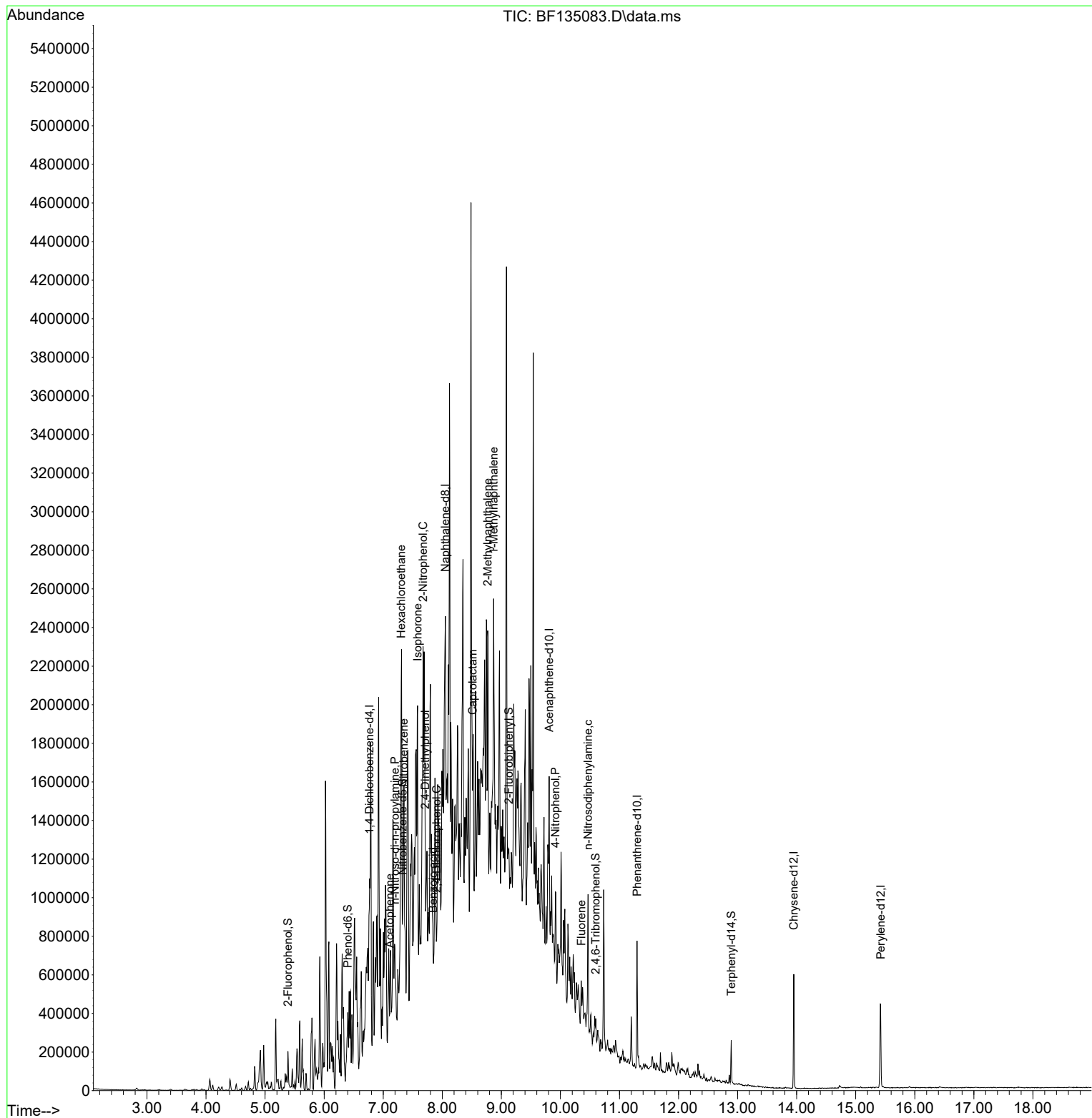
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	75350	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	259574	20.000	ng	# 0.00
39) Acenaphthene-d10	9.810	164	127967	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	218058	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	188389	20.000	ng	-0.01
86) Perylene-d12	15.421	264	203057	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	49198	10.085	ng	-0.01
7) Phenol-d6	6.398	99	59844	9.842	ng	-0.02
23) Nitrobenzene-d5	7.328	82	57298	12.401	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	9326	6.870	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	62454	7.946	ng	-0.01
79) Terphenyl-d14	12.892	244	65238	5.651	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.304	117	59917	31.651	ng	# 1
19) n-Nitroso-di-n-propyla...	7.198	70	22930	6.349	ng	# 64
22) Acetophenone	7.110	105	23059	3.994	ng	# 62
24) Nitrobenzene	7.345	77	17247	3.639	ng	# 53
25) Isophorone	7.581	82	68326	7.800	ng	# 1
26) 2-Nitrophenol	7.675	139	10767	4.598	ng	# 1
27) 2,4-Dimethylphenol	7.710	122	12640	3.353	ng	# 32
29) 2,4-Dichlorophenol	7.904	162	8177	2.282	ng	# 6
32) Benzoic acid	7.845	122	7915	2.625	ng	# 11
35) Caprolactam	8.516	113	8739	7.449	ng	# 1
37) 2-Methylnaphthalene	8.769	142	419680	49.605	ng	99
38) 1-Methylnaphthalene	8.869	142	326133	41.198	ng	99
56) 4-Nitrophenol	9.916	139	8602	5.343	ng	# 40
58) Fluorene	10.357	166	19740	2.534	ng	# 91
66) n-Nitrosodiphenylamine	10.469	169	29894	4.409	ng	# 47
69) Atrazine	11.016	200	631	Below Cal		# 12

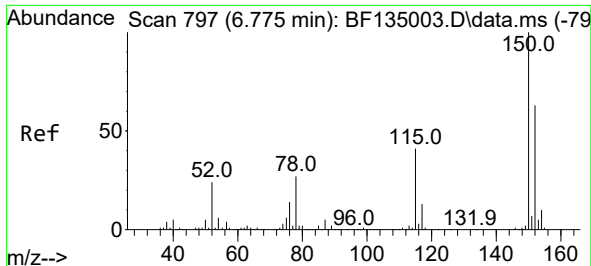
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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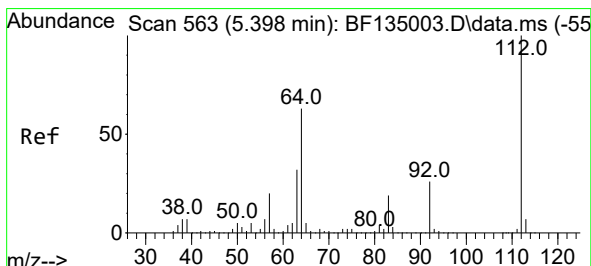
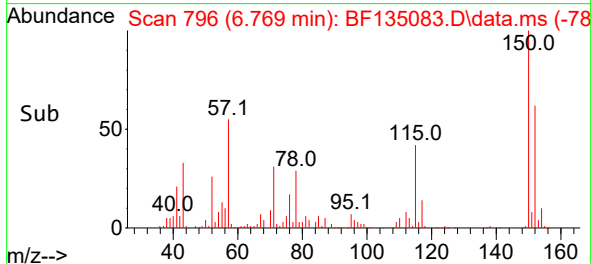
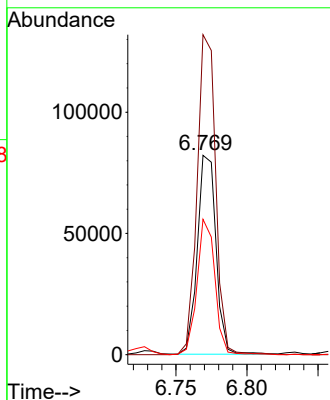
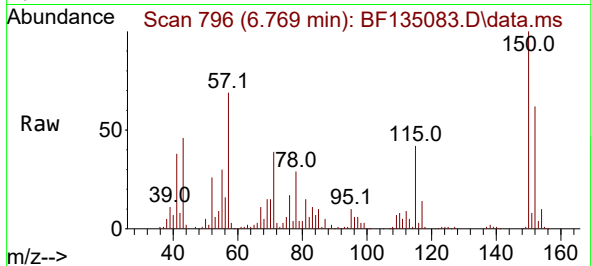




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.769 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF135083.D
 Acq: 01 Sep 2023 18:46

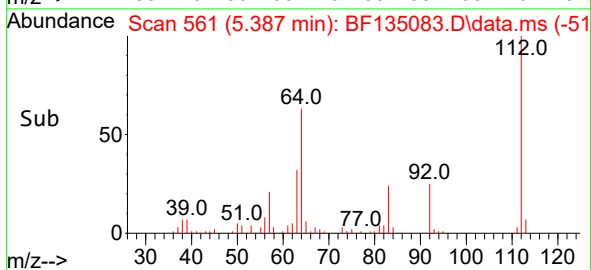
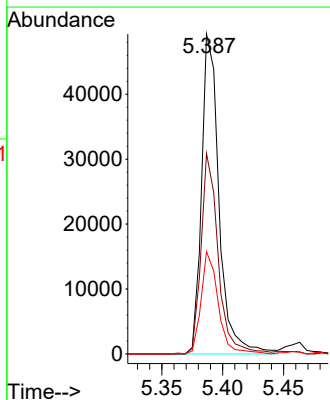
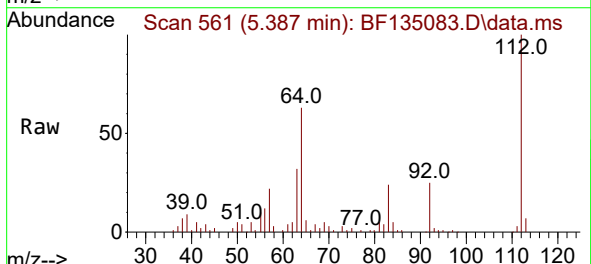
Instrument :
 BNA_F
 ClientSampleId :
 SB-06(16-18)DL

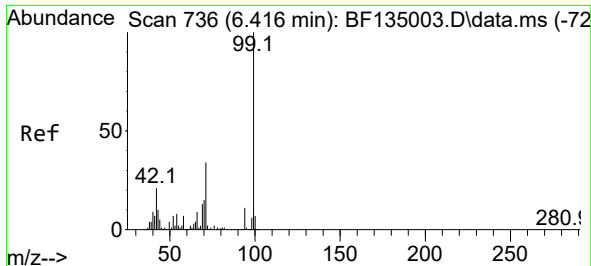
Tgt Ion:152 Resp: 75350
 Ion Ratio Lower Upper
 152 100
 150 160.5 126.2 189.4
 115 67.8 51.2 76.8



#5
 2-Fluorophenol
 Concen: 10.085 ng
 RT: 5.387 min Scan# 561
 Delta R.T. -0.012 min
 Lab File: BF135083.D
 Acq: 01 Sep 2023 18:46

Tgt Ion:112 Resp: 49198
 Ion Ratio Lower Upper
 112 100
 64 62.7 50.5 75.7
 63 32.0 25.9 38.9





#7

Phenol-d6

Concen: 9.842 ng

RT: 6.398 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

Instrument :

BNA_F

ClientSampleId :

SB-06(16-18)DL

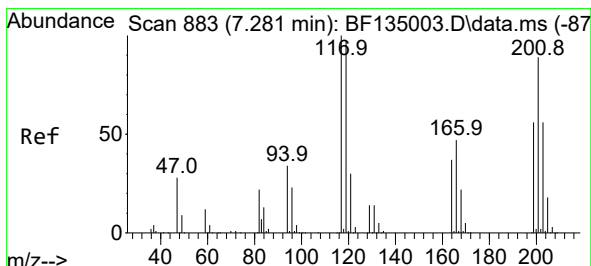
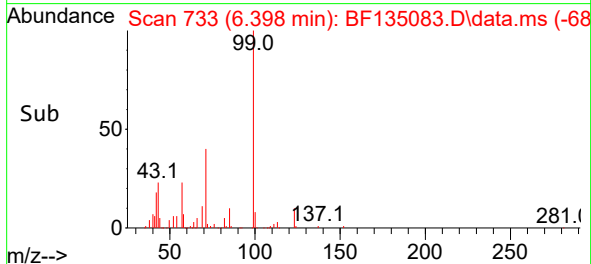
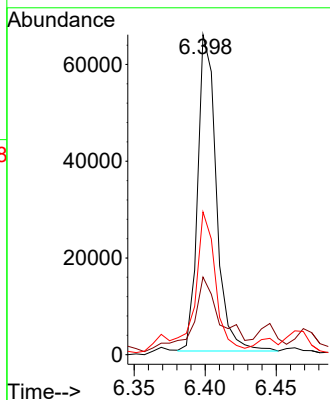
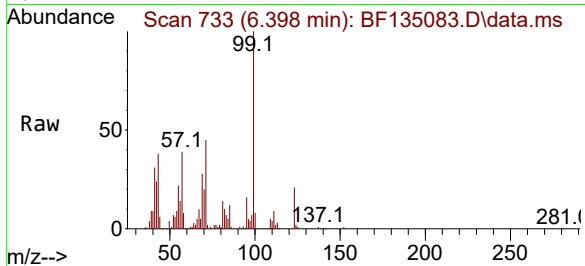
Tgt Ion: 99 Resp: 59844

Ion Ratio Lower Upper

99 100

42 24.2 16.6 25.0

71 44.6 27.0 40.6#



#18

Hexachloroethane

Concen: 31.651 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.024 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

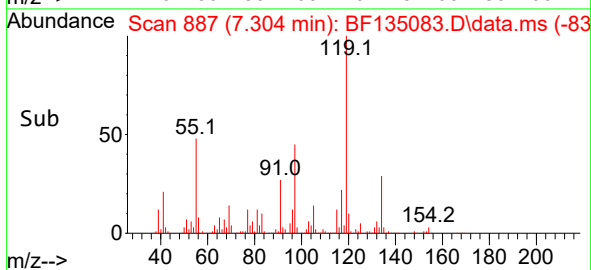
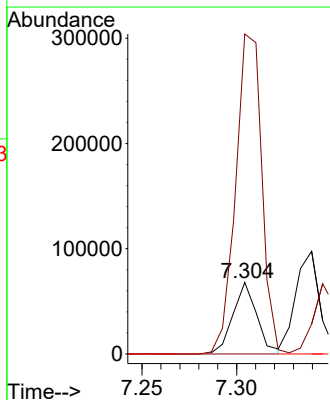
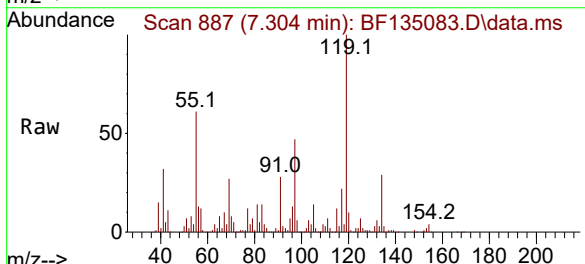
Tgt Ion: 117 Resp: 59917

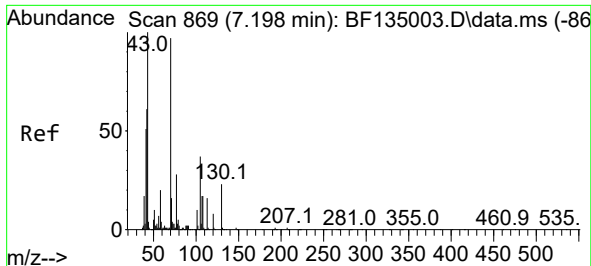
Ion Ratio Lower Upper

117 100

119 447.8 77.4 116.2#

201 0.0 71.4 107.2#





#19

n-Nitroso-di-n-propylamine

Concen: 6.349 ng

RT: 7.198 min Scan# 8

Delta R.T. 0.000 min

Lab File: BF135083.D

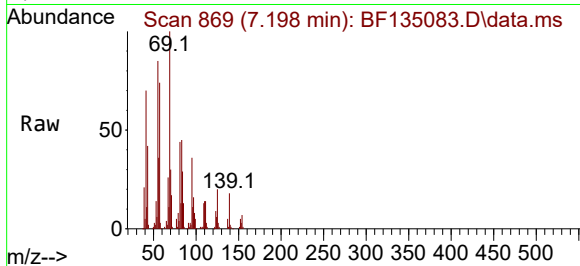
Acq: 01 Sep 2023 18:46

Instrument :

BNA_F

ClientSampleId :

SB-06(16-18)DL



Tgt Ion: 70 Resp: 22930

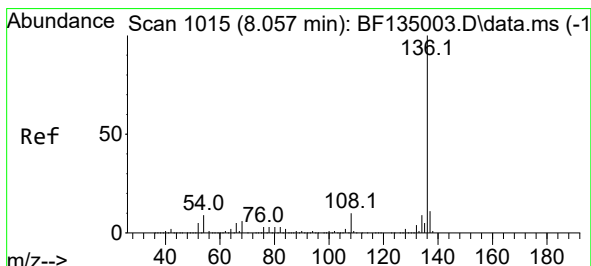
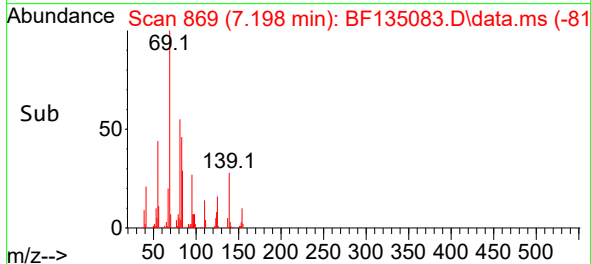
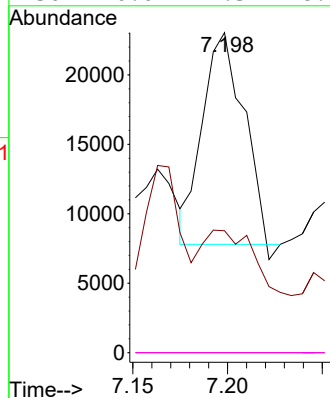
Ion Ratio Lower Upper

70 100

42 38.1 50.2 75.4#

101 0.0 8.1 12.1#

130 0.0 19.3 28.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

Tgt Ion: 136 Resp: 259574

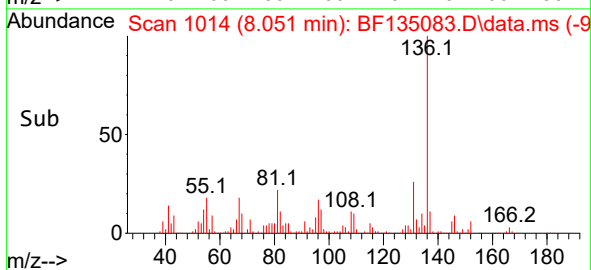
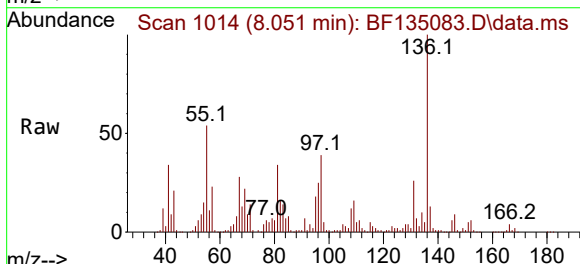
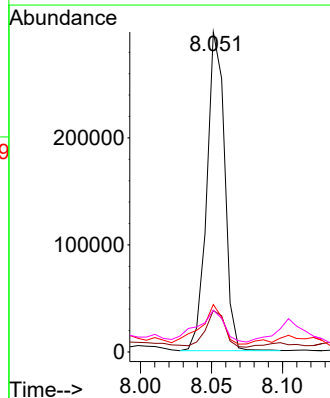
Ion Ratio Lower Upper

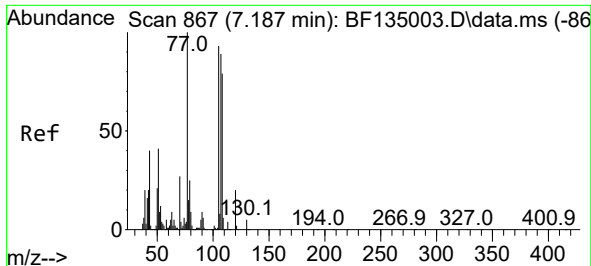
136 100

137 12.9 8.8 13.2

54 14.8 7.0 10.4#

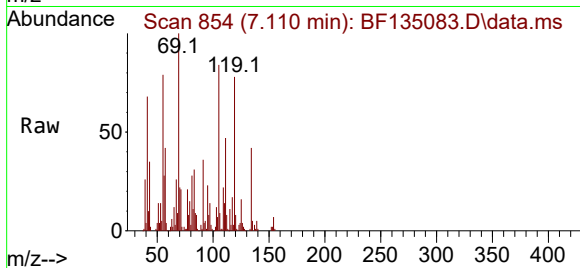
68 13.0 4.6 6.8#



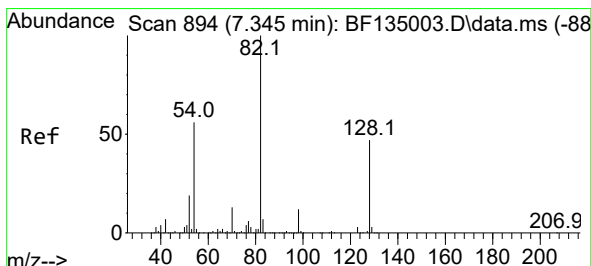
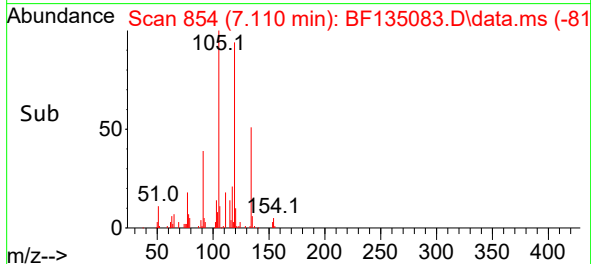
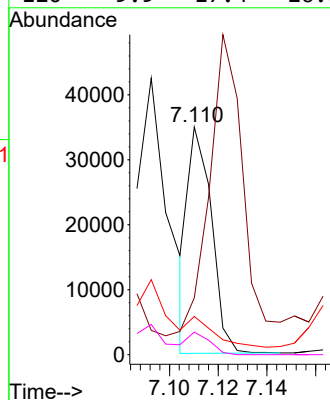


#22
Acetophenone
Concen: 3.994 ng
RT: 7.110 min Scan# 811
Delta R.T. -0.076 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

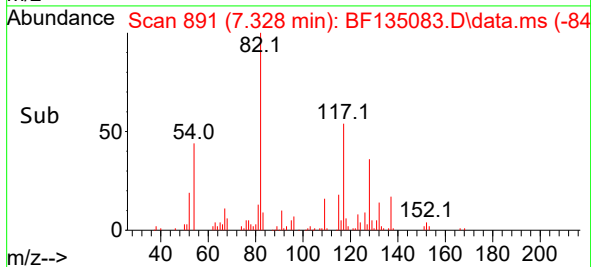
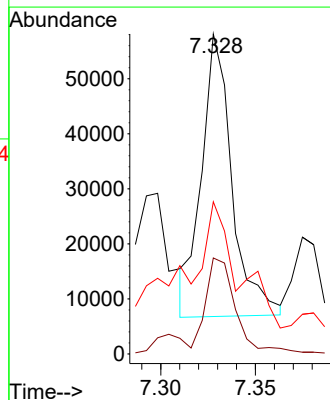
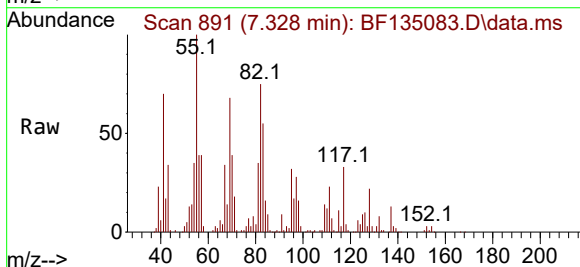


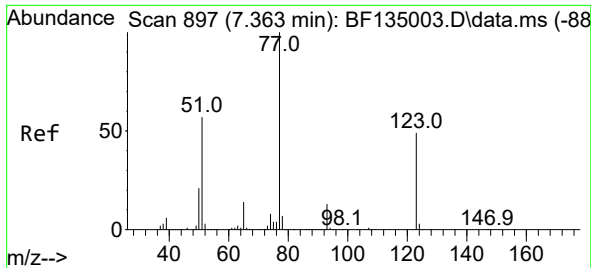
Tgt Ion:	105	Resp:	23059
Ion Ratio	Lower	Upper	
105	100		
71	24.9	3.8	5.6#
51	16.8	35.0	52.6#
120	9.9	17.4	26.0#



#23
Nitrobenzene-d5
Concen: 12.401 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.018 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:	82	Resp:	57298
Ion Ratio	Lower	Upper	
82	100		
128	30.0	37.8	56.8#
54	47.5	45.0	67.6

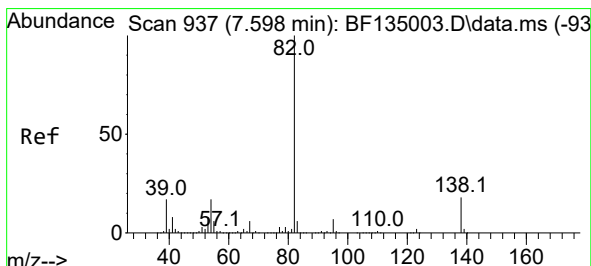
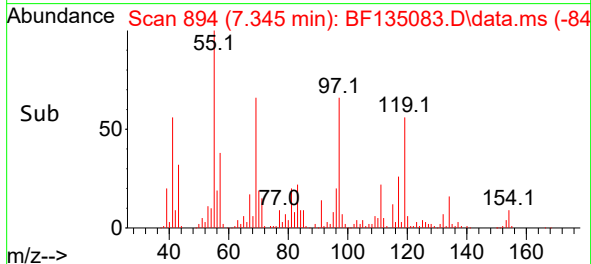
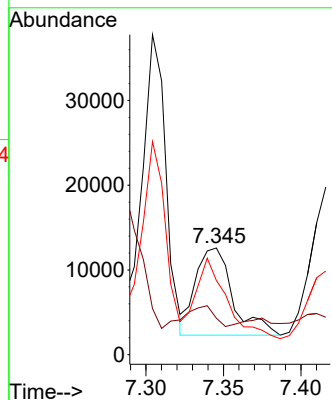
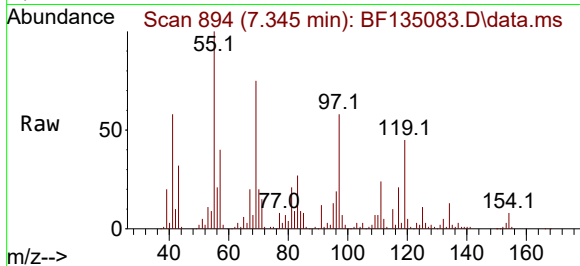




#24
Nitrobenzene
Concen: 3.639 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

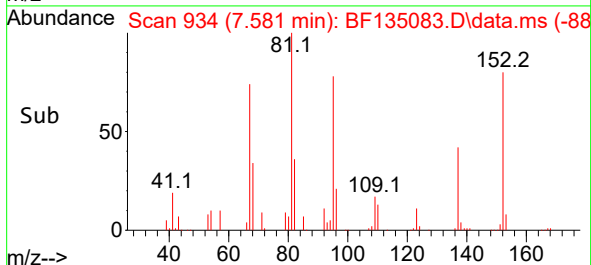
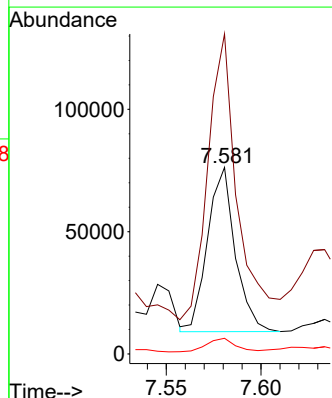
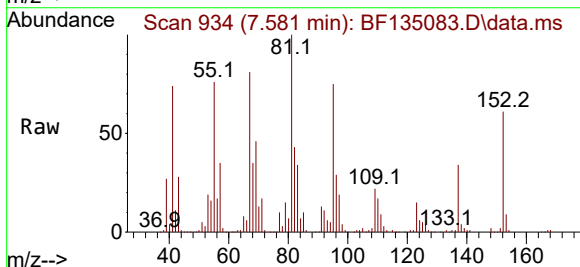
Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

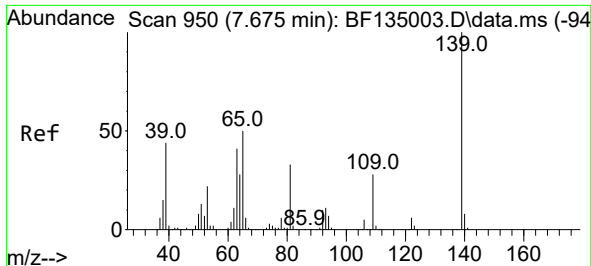
Tgt Ion: 77 Resp: 17247
Ion Ratio Lower Upper
77 100
123 34.2 39.4 59.2#
65 69.5 11.4 17.2#



#25
Isophorone
Concen: 7.800 ng
RT: 7.581 min Scan# 934
Delta R.T. -0.018 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion: 82 Resp: 68326
Ion Ratio Lower Upper
82 100
95 171.6 5.6 8.4#
138 8.4 14.7 22.1#

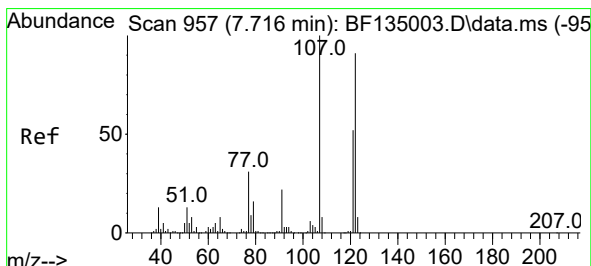
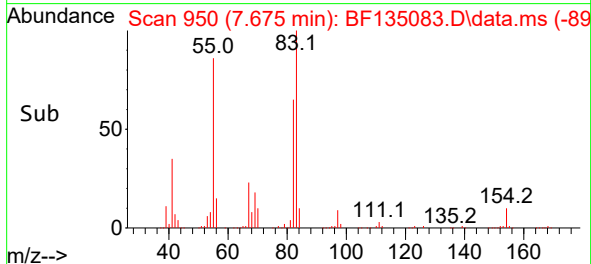
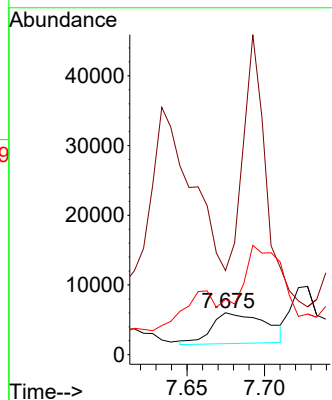
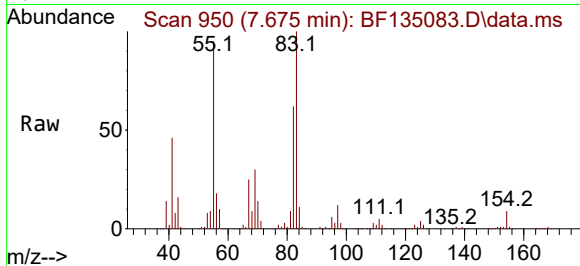




#26
2-Nitrophenol
Concen: 4.598 ng
RT: 7.675 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

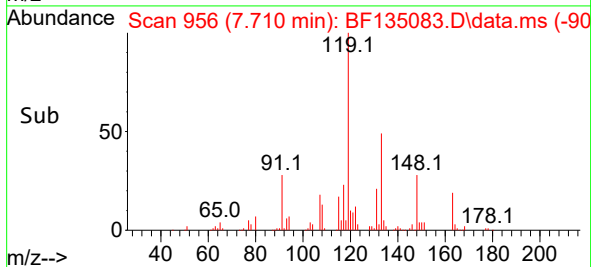
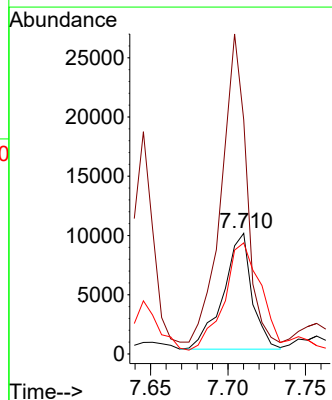
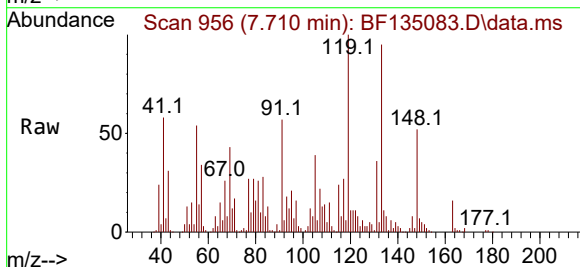
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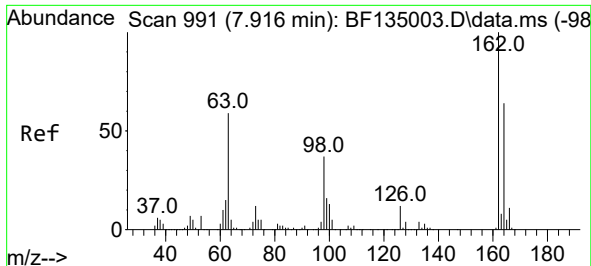
Tgt Ion:139 Resp: 10767
Ion Ratio Lower Upper
139 100
109 200.6 22.6 34.0#
65 131.8 40.3 60.5#



#27
2,4-Dimethylphenol
Concen: 3.353 ng
RT: 7.710 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:122 Resp: 12640
Ion Ratio Lower Upper
122 100
107 194.1 87.8 131.8#
121 92.0 46.0 69.0#





#29

2,4-Dichlorophenol

Concen: 2.282 ng

RT: 7.904 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

Instrument :

BNA_F

ClientSampleId :

SB-06(16-18)DL

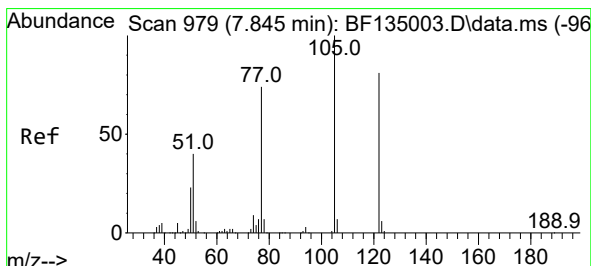
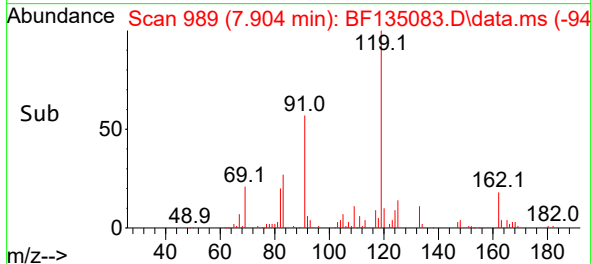
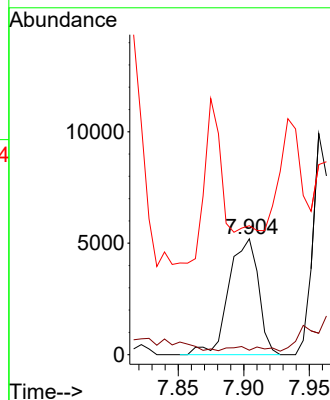
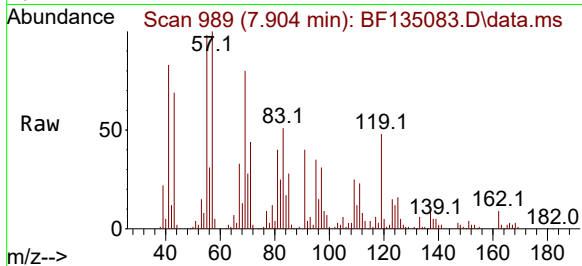
Tgt Ion:162 Resp: 8177

Ion Ratio Lower Upper

162 100

164 3.9 44.2 84.2#

98 111.3 17.3 57.3#



#32

Benzoic acid

Concen: 2.625 ng

RT: 7.845 min Scan# 979

Delta R.T. 0.000 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

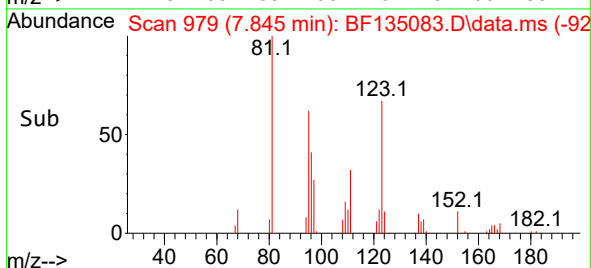
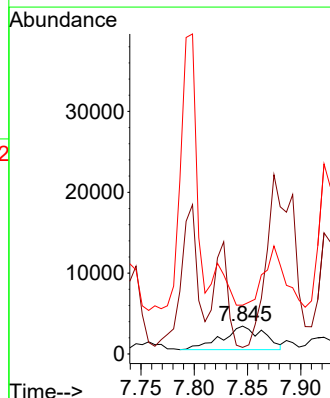
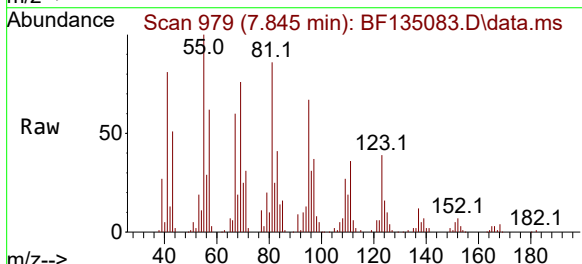
Tgt Ion:122 Resp: 7915

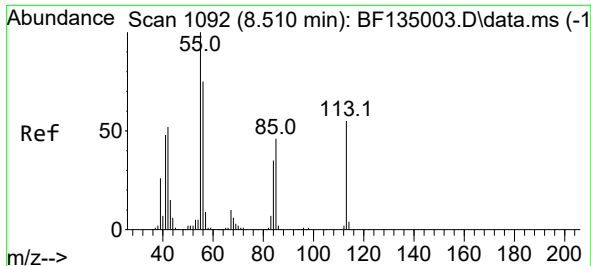
Ion Ratio Lower Upper

122 100

105 23.6 99.8 139.8#

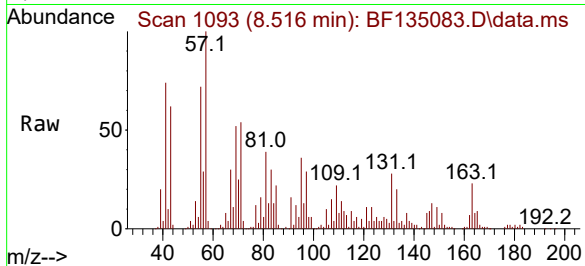
77 175.3 69.5 109.5#



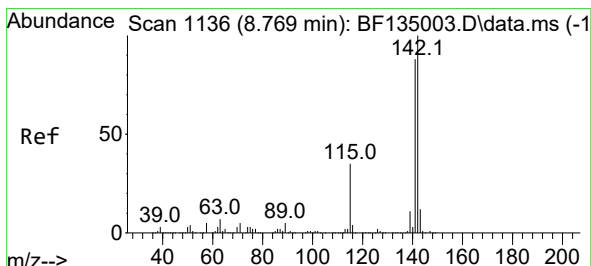
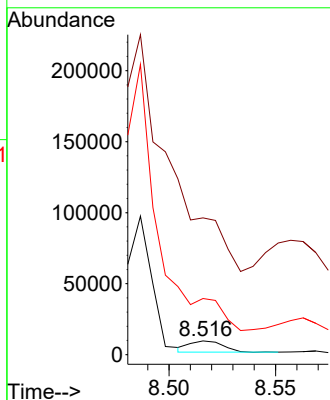
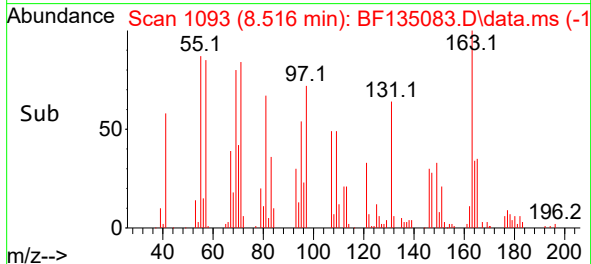


#35
Caprolactam
Concen: 7.449 ng
RT: 8.516 min Scan# 1093
Delta R.T. 0.006 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

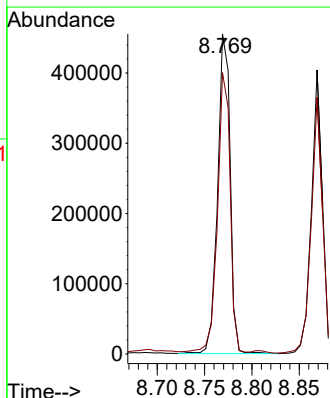
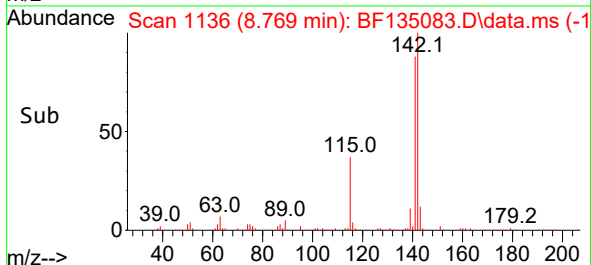
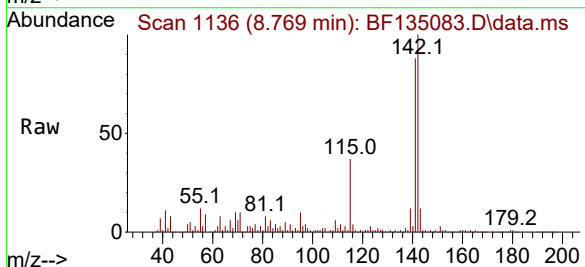


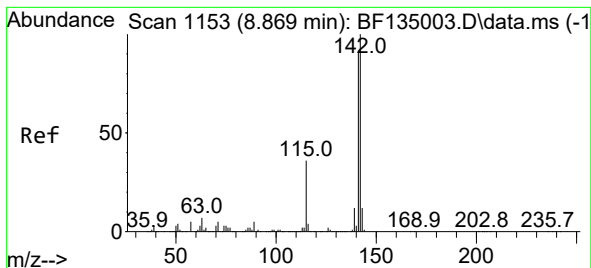
Tgt Ion:113 Resp: 8739
Ion Ratio Lower Upper
113 100
55 996.3 160.6 200.6#
56 408.7 115.4 155.4#



#37
2-Methylnaphthalene
Concen: 49.605 ng
RT: 8.769 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:142 Resp: 419680
Ion Ratio Lower Upper
142 100
141 87.9 70.7 106.1





#38

1-Methylnaphthalene

Concen: 41.198 ng

RT: 8.869 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

Instrument :

BNA_F

ClientSampleId :

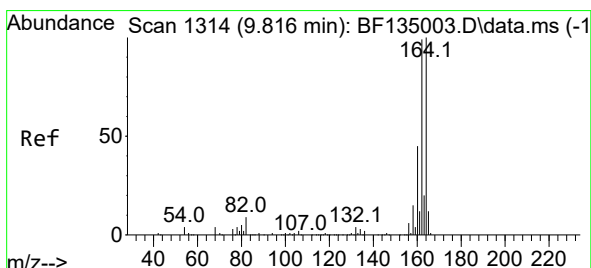
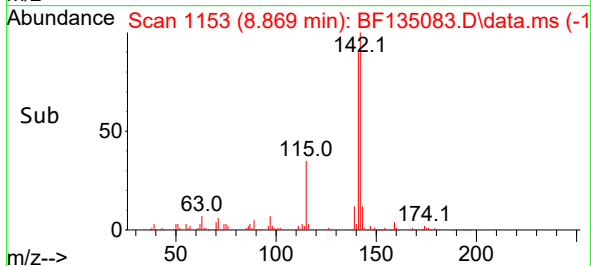
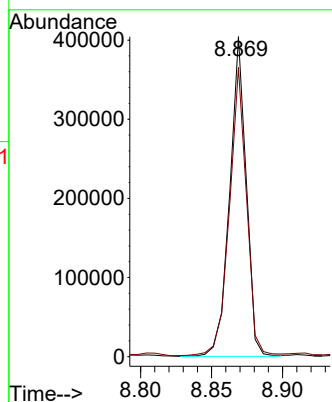
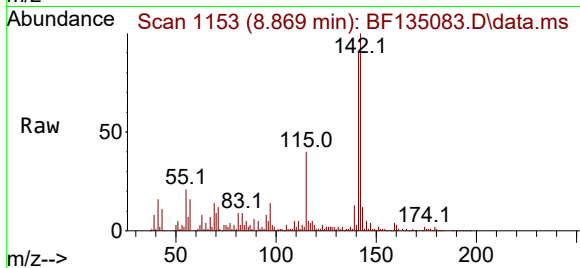
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Tgt Ion:142 Resp: 326133

Ion Ratio Lower Upper

142 100

141 90.4 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

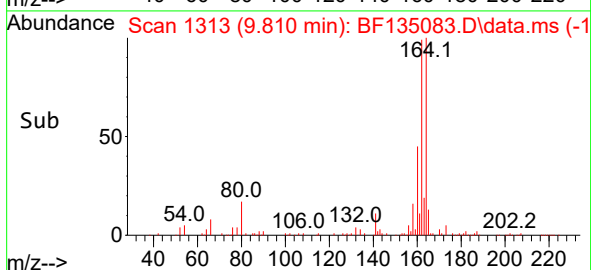
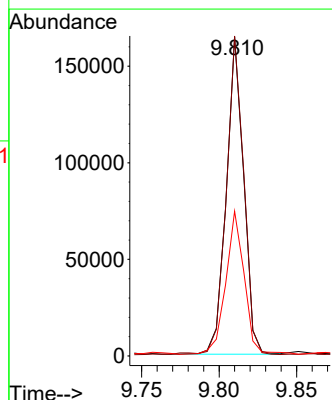
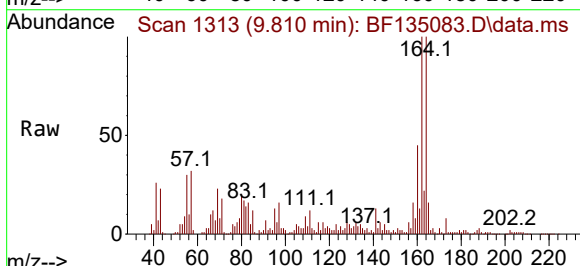
Tgt Ion:164 Resp: 127967

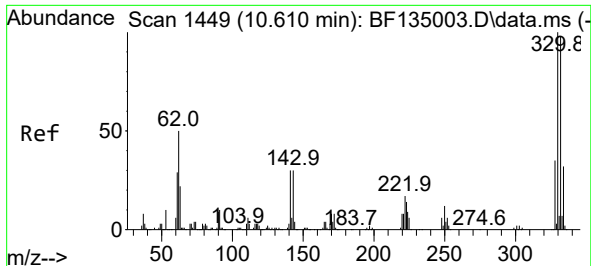
Ion Ratio Lower Upper

164 100

162 100.3 79.5 119.3

160 45.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 6.870 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135083.D

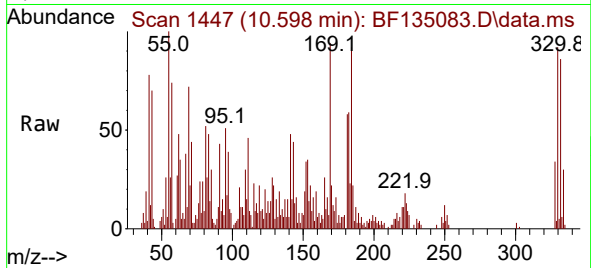
Acq: 01 Sep 2023 18:46

Instrument :

BNA_F

ClientSampleId :

SB-06(16-18)DL



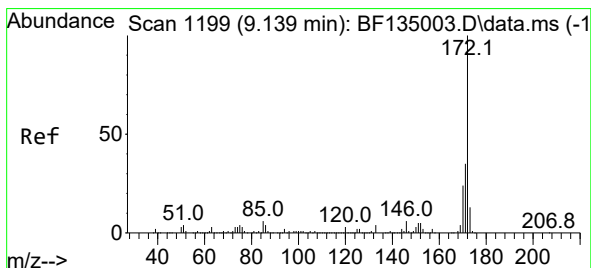
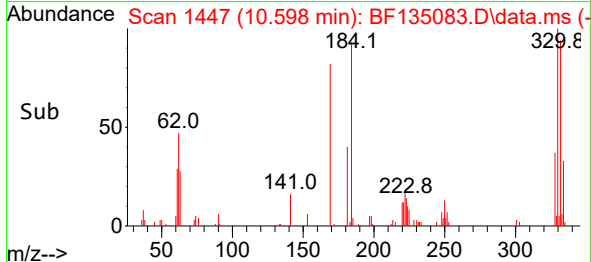
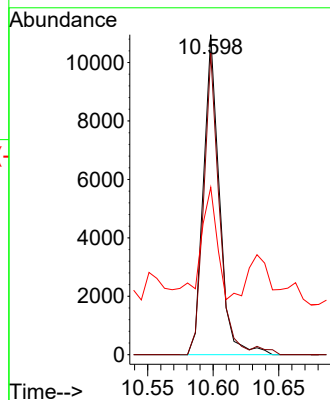
Tgt Ion:330 Resp: 9326

Ion Ratio Lower Upper

330 100

332 91.6 77.6 116.4

141 31.5 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 7.946 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135083.D

Acq: 01 Sep 2023 18:46

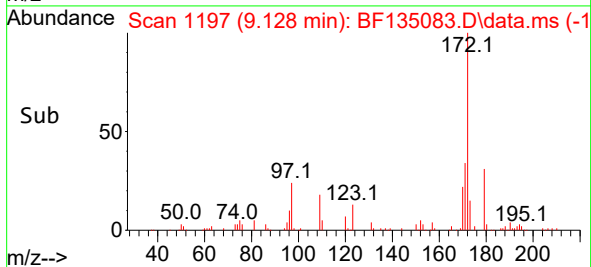
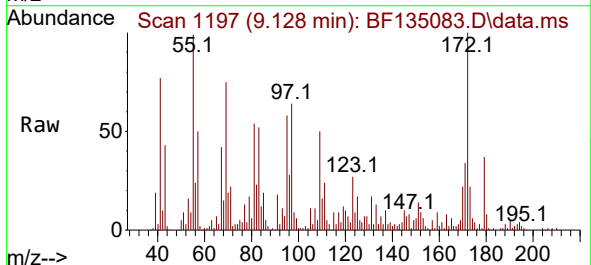
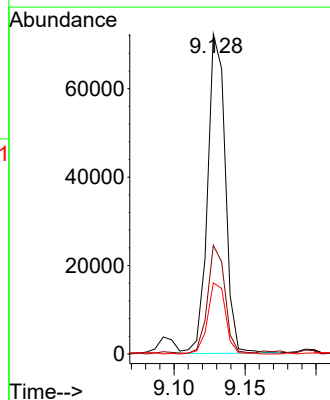
Tgt Ion:172 Resp: 62454

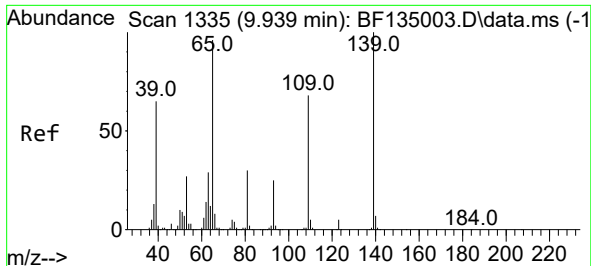
Ion Ratio Lower Upper

172 100

171 33.9 28.2 42.2

170 22.2 19.0 28.4

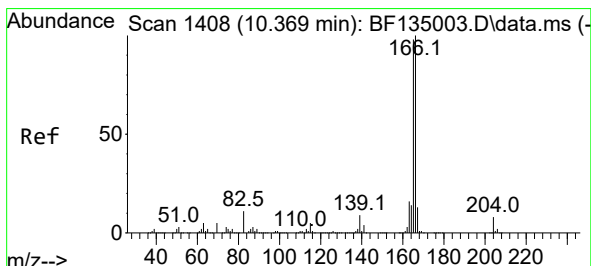
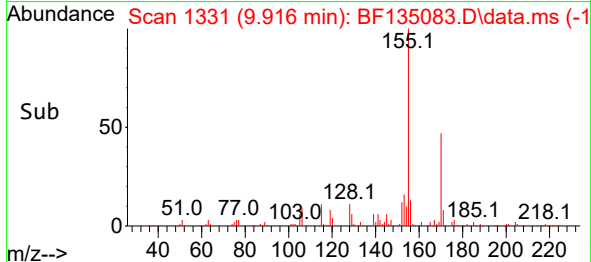
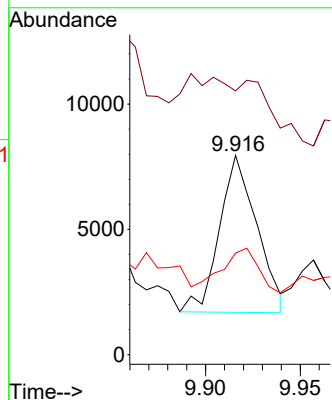
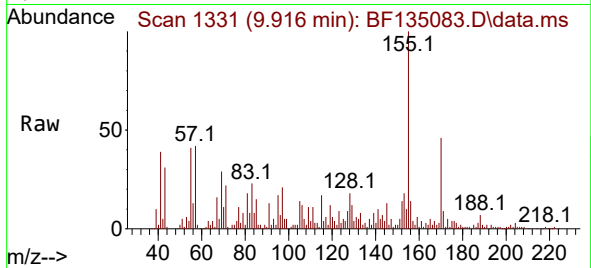




#56
4-Nitrophenol
Concen: 5.343 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

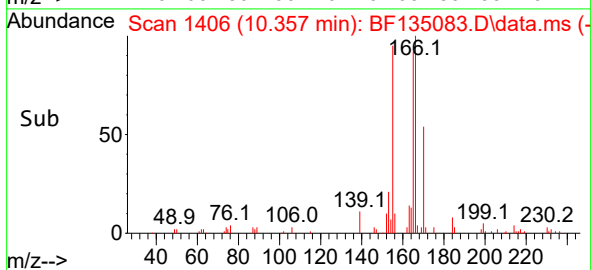
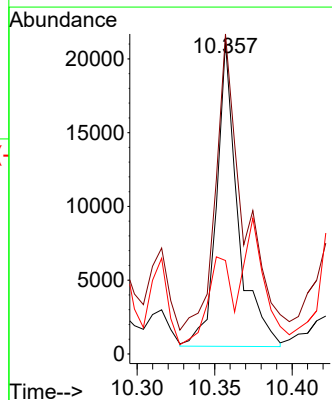
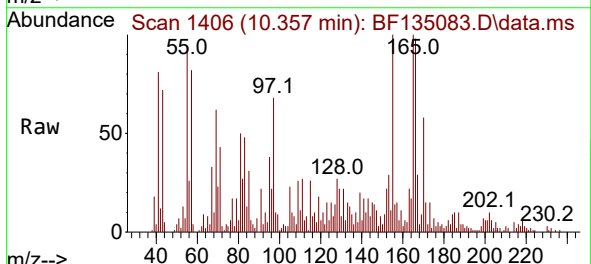
Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

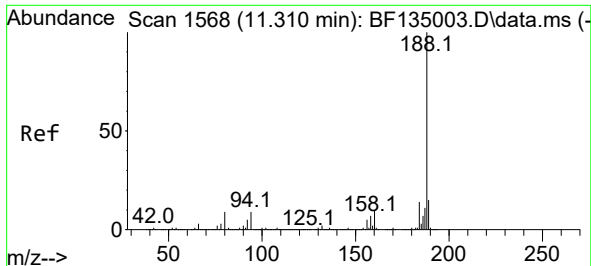
Tgt Ion:139 Resp: 8602
Ion Ratio Lower Upper
139 100
109 132.3 47.7 87.7#
65 51.0 75.9 115.9#



#58
Fluorene
Concen: 2.534 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:166 Resp: 19740
Ion Ratio Lower Upper
166 100
165 102.4 78.0 117.0
167 29.9 10.8 16.2#

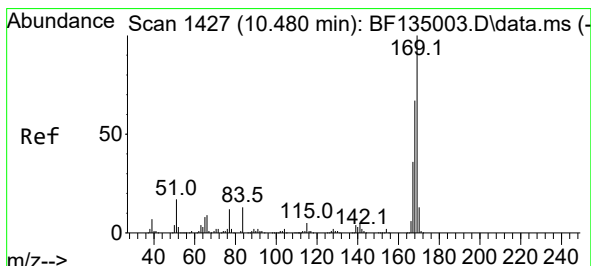
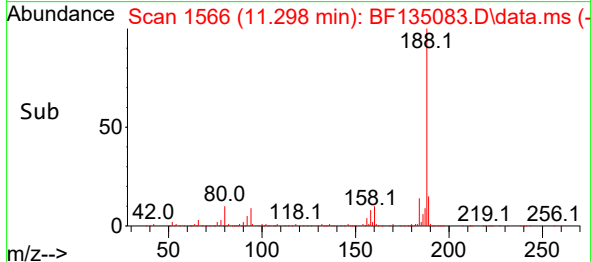
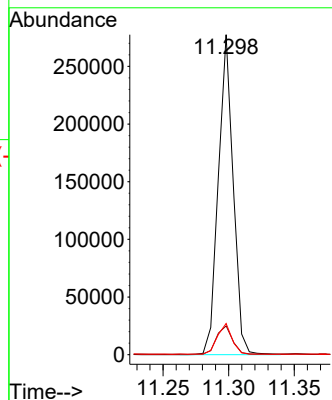
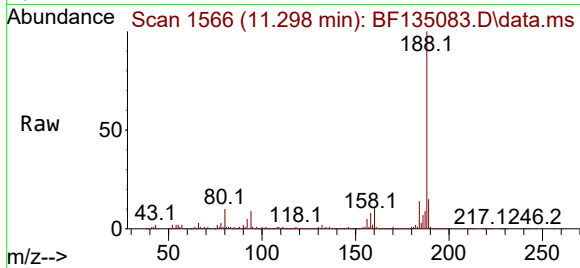




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

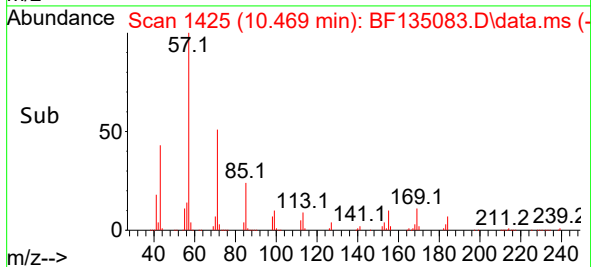
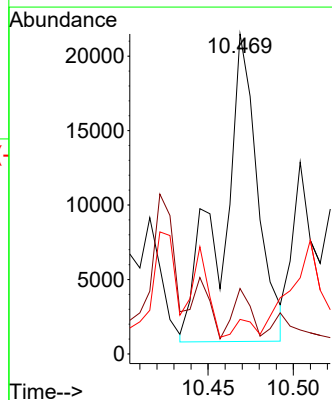
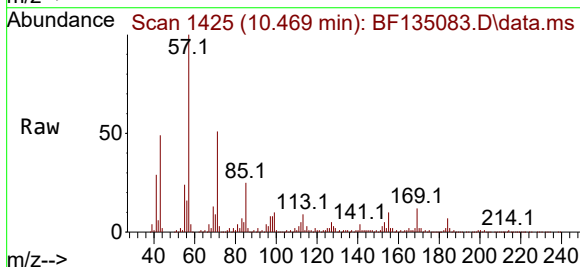
Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

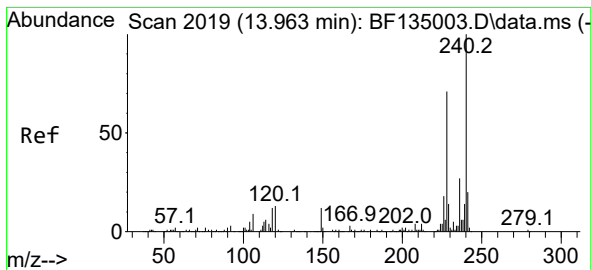
Tgt Ion:188 Resp: 218058
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 9.7 7.4 11.2



#66
n-Nitrosodiphenylamine
Concen: 4.409 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:169 Resp: 29894
Ion Ratio Lower Upper
169 100
168 20.5 53.4 80.0#
167 10.8 29.0 43.4#

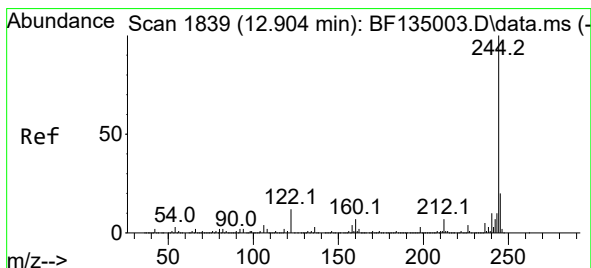
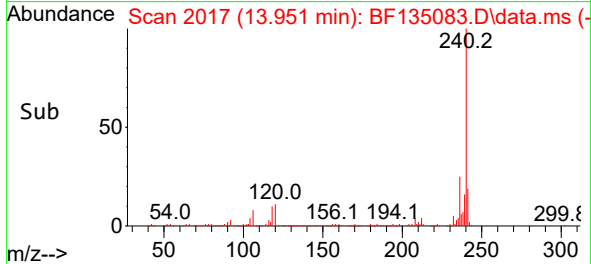
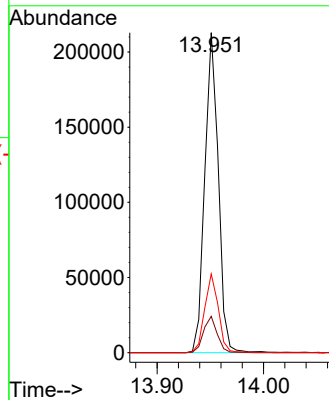
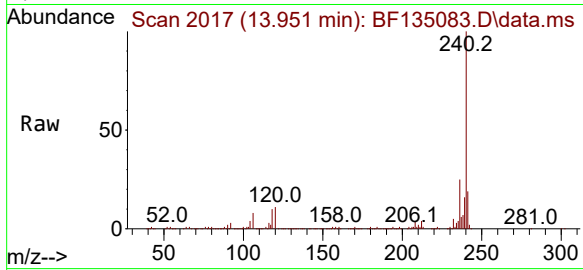




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

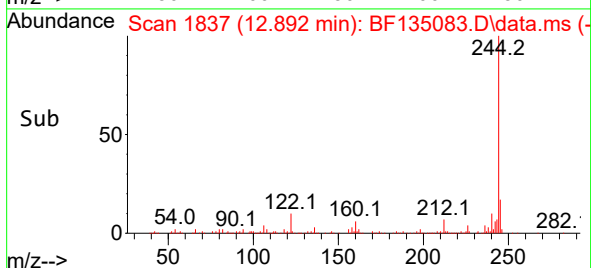
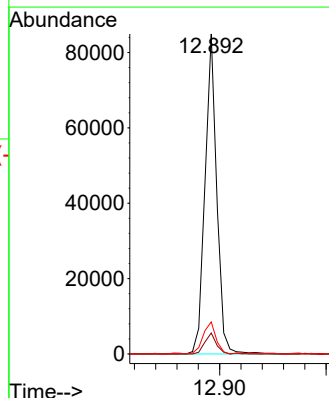
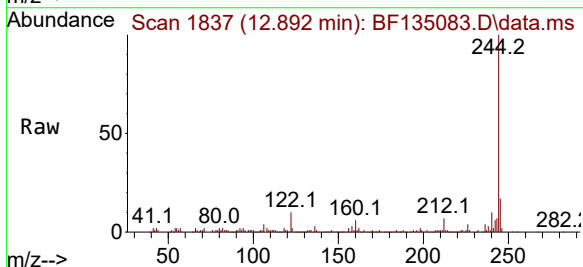
Instrument :
BNA_F
ClientSampleId :
SB-06(16-18)DL

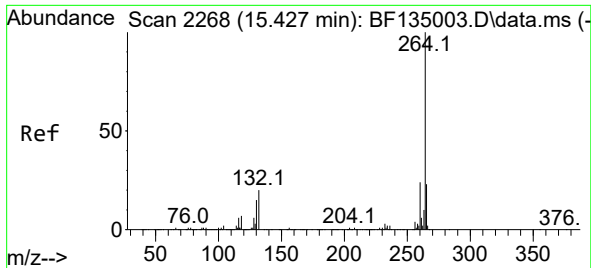
Tgt Ion:240 Resp: 188389
Ion Ratio Lower Upper
240 100
120 11.3 10.2 15.2
236 24.6 21.3 31.9



#79
Terphenyl-d14
Concen: 5.651 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF135083.D
Acq: 01 Sep 2023 18:46

Tgt Ion:244 Resp: 65238
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.0 9.8 14.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135083.D
 Acq: 01 Sep 2023 18:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(16-18)DL

Tgt Ion:264 Resp: 203057
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.0 28.6
 265 20.1 18.2 27.2

