

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135982.D
 Acq On : 27 Oct 2023 13:54
 Operator : CG\JU
 Sample : 05027-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-DRUMS-SOLID

Quant Time: Oct 27 22:30:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

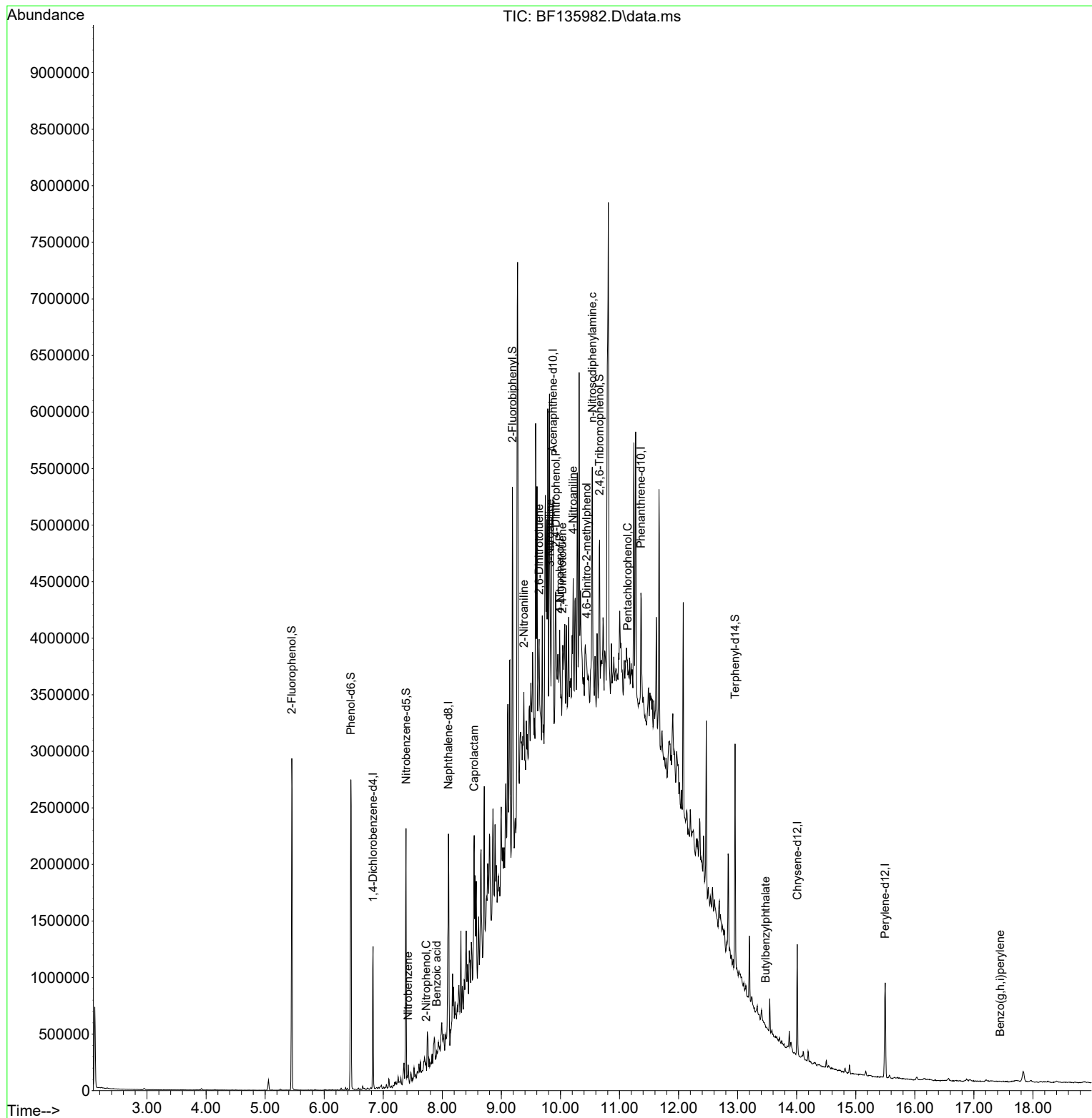
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	172951	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	663917	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	286111	20.000	ng	0.01
64) Phenanthrene-d10	11.363	188	455158	20.000	ng	0.01
76) Chrysene-d12	14.010	240	324125	20.000	ng	0.00
86) Perylene-d12	15.498	264	393156	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	864637	77.198	ng	0.00
7) Phenol-d6	6.451	99	1086460	77.916	ng	0.00
23) Nitrobenzene-d5	7.386	82	619354	63.093	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	226987	90.638	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	895162	50.099	ng	0.00
79) Terphenyl-d14	12.957	244	654711	33.749	ng	0.00
Target Compounds						
						Qvalue
24) Nitrobenzene	7.422	77	1215	2.686	ng	# 16
26) 2-Nitrophenol	7.728	139	2267	4.067	ng	# 1
32) Benzoic acid	7.904	122	2687	6.644	ng	# 32
35) Caprolactam	8.539	113	30245	10.612	ng	# 2
48) 2-Nitroaniline	9.380	65	3207	4.986	ng	# 69
51) 2,6-Dinitrotoluene	9.639	165	24826	10.662	ng	# 26
53) 3-Nitroaniline	9.827	138	30613	10.581	ng	# 11
54) 2,4-Dinitrophenol	9.922	184	544	3.248	ng	# 1
56) 4-Nitrophenol	9.992	139	3293	6.996	ng	# 1
57) 2,4-Dinitrotoluene	10.033	165	6102	6.954	ng	# 38
62) 4-Nitroaniline	10.216	138	19474	8.509	ng	# 80
65) 4,6-Dinitro-2-methylph...	10.445	198	1142	7.900	ng	# 1
66) n-Nitrosodiphenylamine	10.539	169	31896	2.320	ng	# 52
70) Pentachlorophenol	11.139	266	531	4.384	ng	# 1
80) Butylbenzylphthalate	13.474	149	914	3.909	ng	# 32
92) Benzo(g,h,i)perylene	17.445	276	1521	3.822	ng	# 60

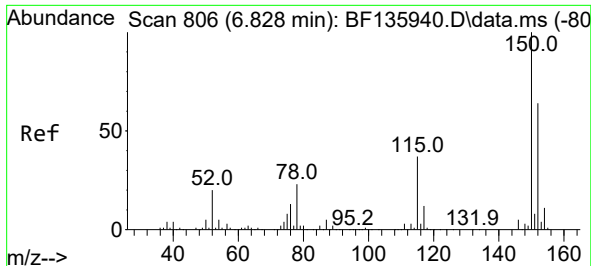
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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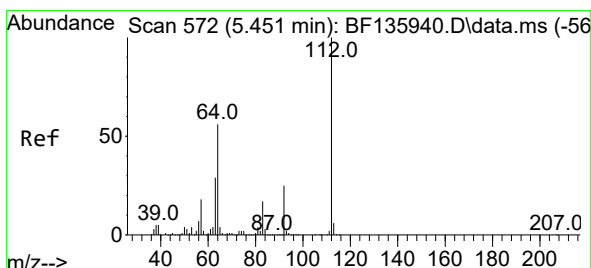
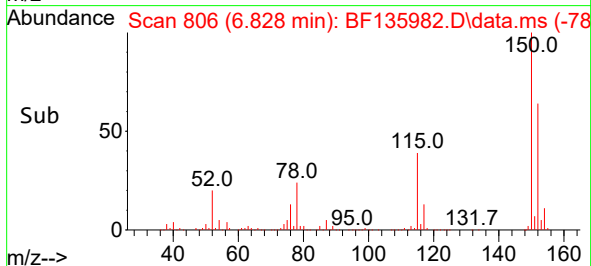
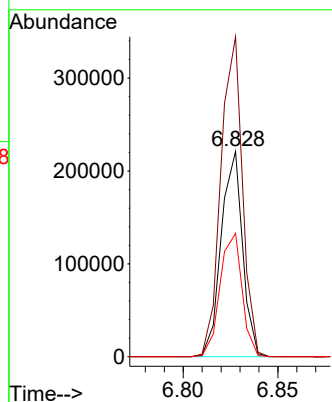
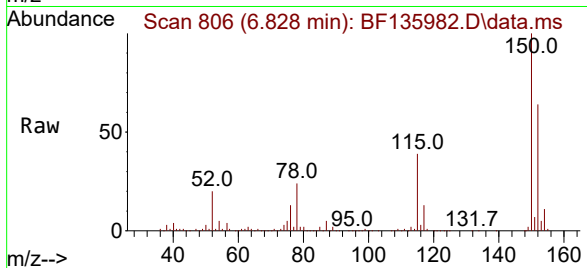




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

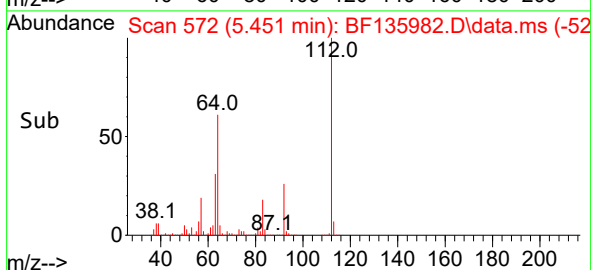
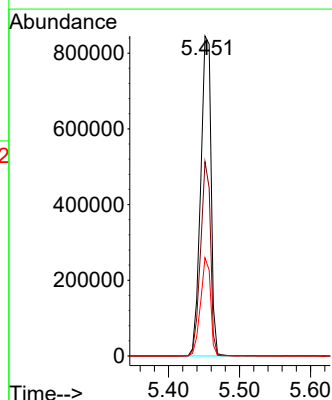
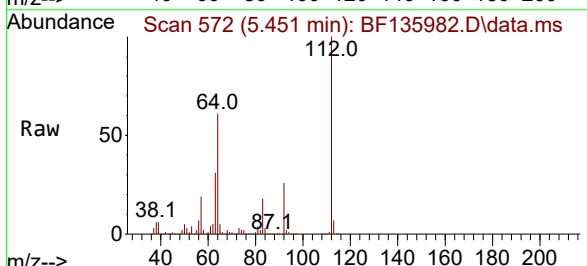
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

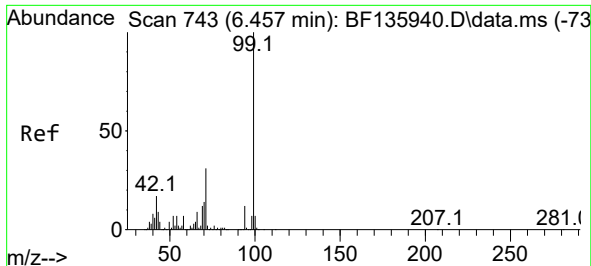
Tgt Ion:152 Resp: 172951
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.1 46.6 69.8



#5
2-Fluorophenol
Concen: 77.198 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:112 Resp: 864637
Ion Ratio Lower Upper
112 100
64 60.7 45.1 67.7
63 30.7 23.0 34.4

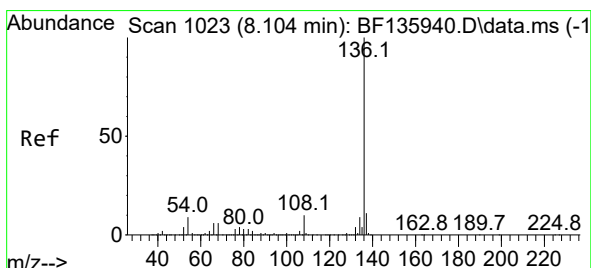
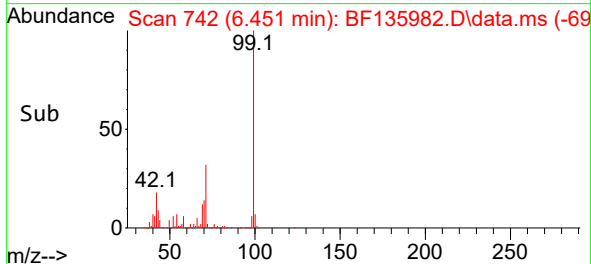
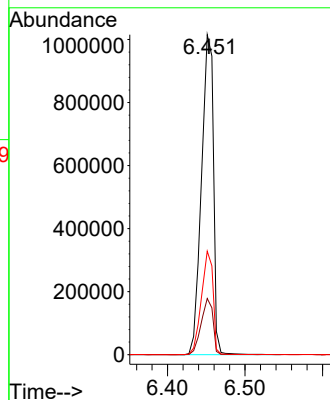
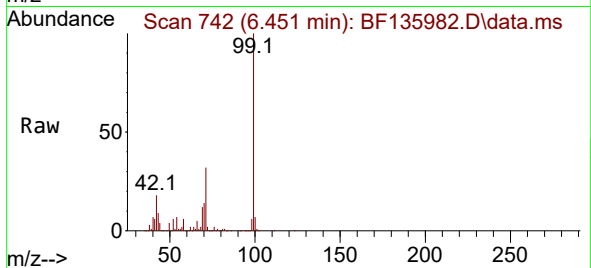




#7
Phenol-d6
Concen: 77.916 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

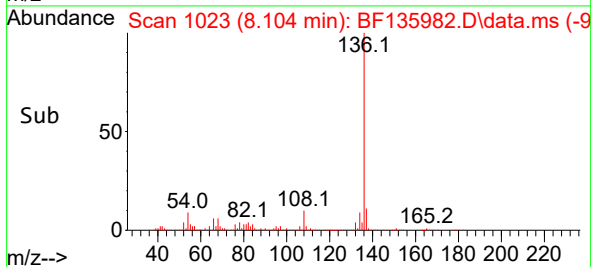
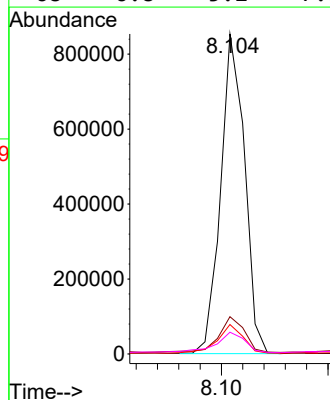
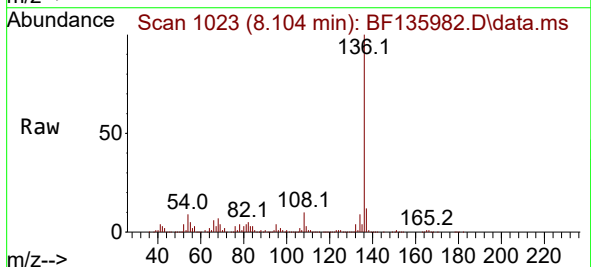
Instrument :
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ClientSampleId :
H-DRUMS-SOLID

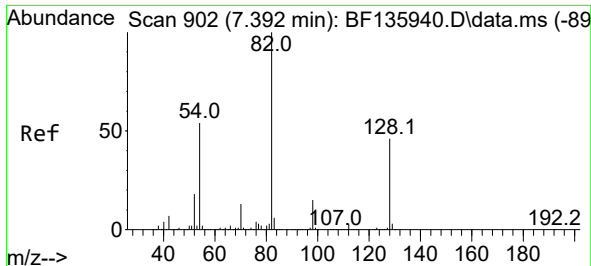
Tgt Ion: 99 Resp: 1086460
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 32.4 25.1 37.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion: 136 Resp: 663917
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 9.2 7.1 10.7
68 6.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 63.093 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

Instrument :

BNA_F

ClientSampleId :

H-DRUMS-SOLID

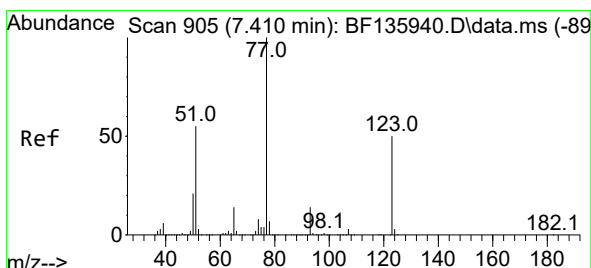
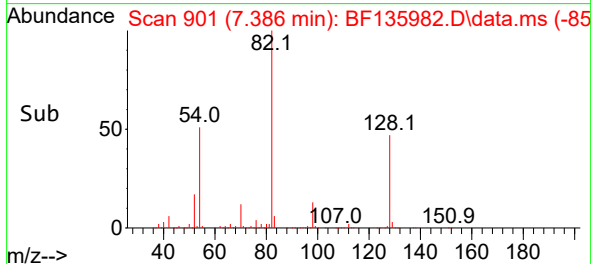
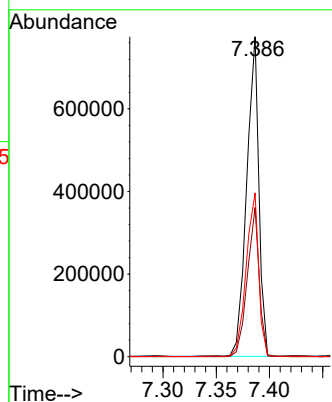
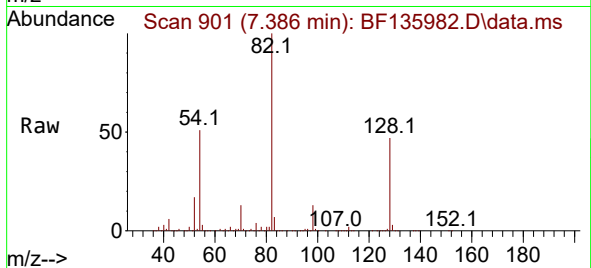
Tgt Ion: 82 Resp: 619354

Ion Ratio Lower Upper

82 100

128 46.6 36.8 55.2

54 51.2 43.4 65.0



#24

Nitrobenzene

Concen: 2.686 ng

RT: 7.422 min Scan# 907

Delta R.T. 0.012 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

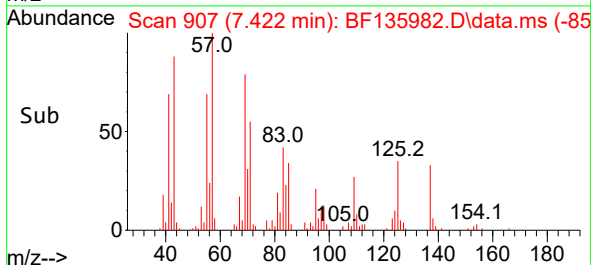
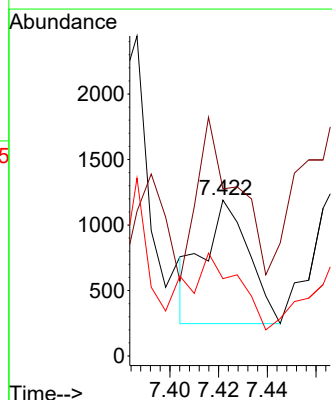
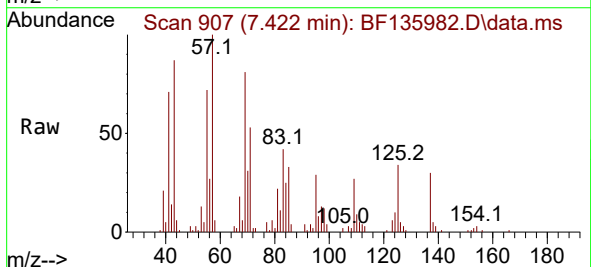
Tgt Ion: 77 Resp: 1215

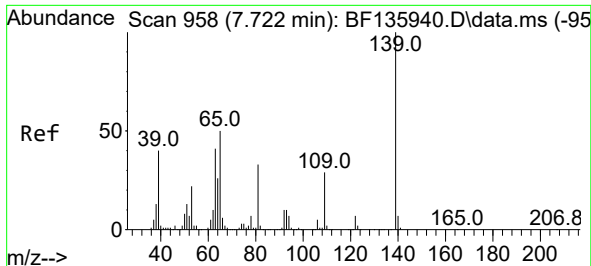
Ion Ratio Lower Upper

77 100

123 107.2 40.2 60.2#

65 49.6 11.0 16.4#

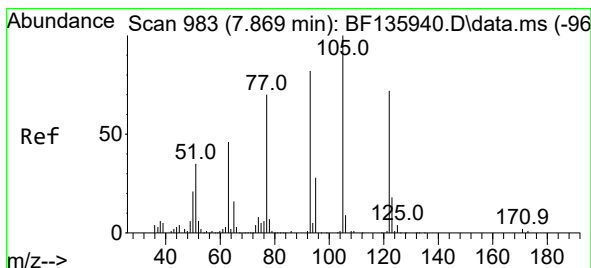
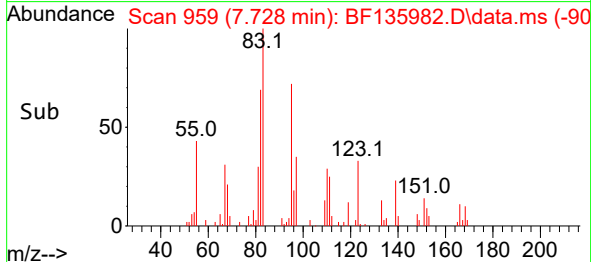
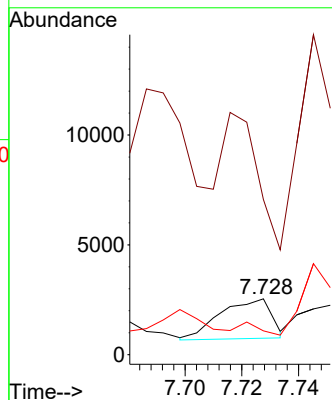
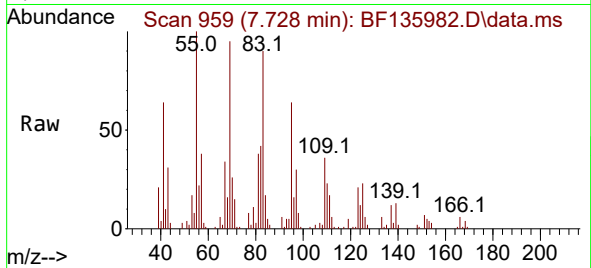




#26
2-Nitrophenol
Concen: 4.067 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

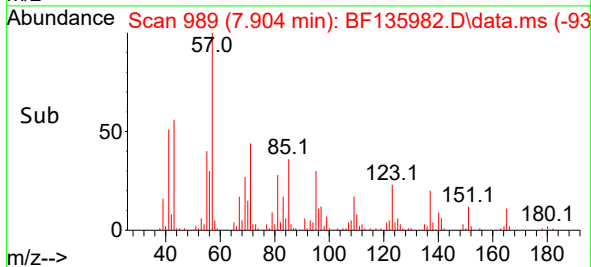
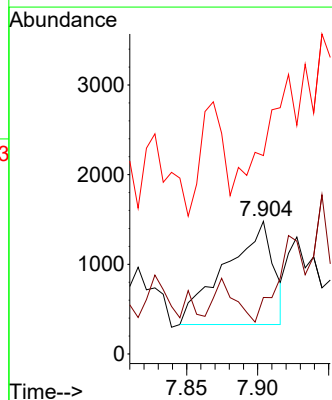
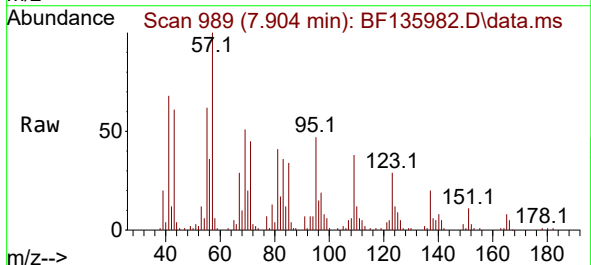
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

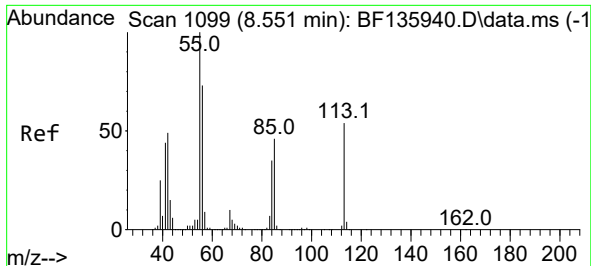
Tgt Ion:139 Resp: 2267
Ion Ratio Lower Upper
139 100
109 278.0 23.1 34.7#
65 42.7 39.8 59.8



#32
Benzoic acid
Concen: 6.644 ng
RT: 7.904 min Scan# 989
Delta R.T. 0.035 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:122 Resp: 2687
Ion Ratio Lower Upper
122 100
105 42.6 113.1 153.1#
77 149.5 75.2 115.2#

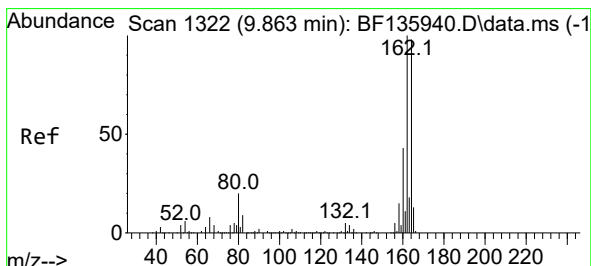
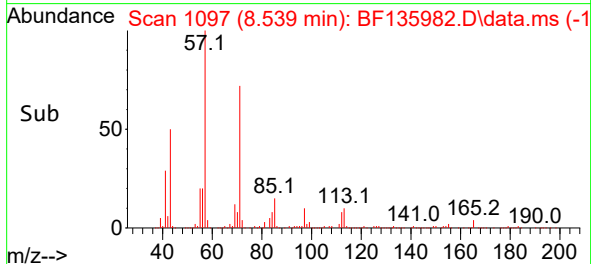
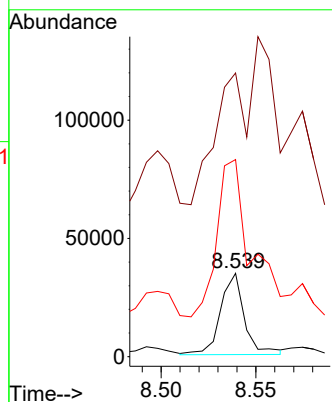
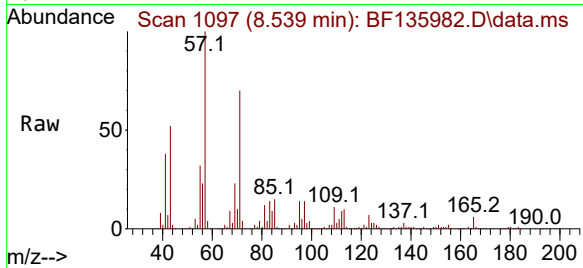




#35
 Caprolactam
 Concen: 10.612 ng
 RT: 8.539 min Scan# 1097
 Delta R.T. -0.012 min
 Lab File: BF135982.D
 Acq: 27 Oct 2023 13:54

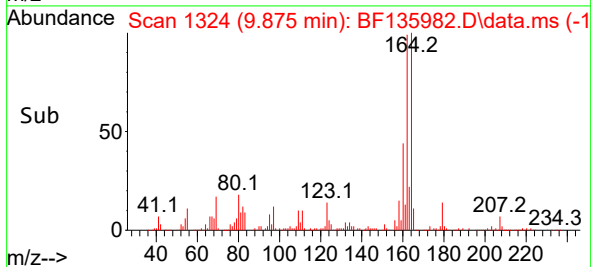
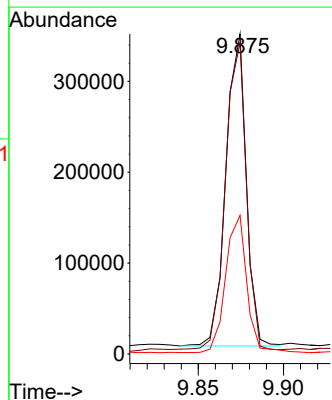
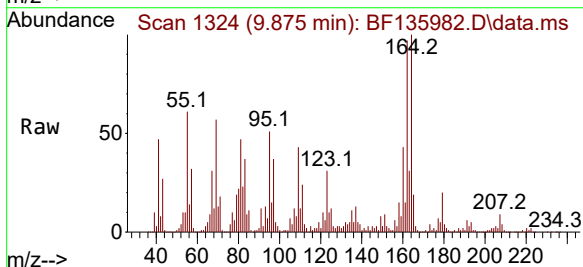
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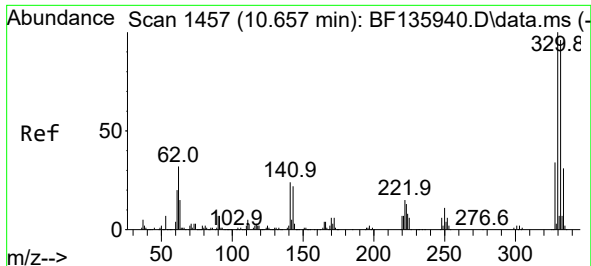
Tgt Ion:113 Resp: 30245
 Ion Ratio Lower Upper
 113 100
 55 340.1 165.4 205.4#
 56 236.3 115.2 155.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.875 min Scan# 1324
 Delta R.T. 0.012 min
 Lab File: BF135982.D
 Acq: 27 Oct 2023 13:54

Tgt Ion:164 Resp: 286111
 Ion Ratio Lower Upper
 164 100
 162 97.3 82.0 123.0
 160 43.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 90.638 ng

RT: 10.663 min Scan# 1457

Delta R.T. 0.006 min

Lab File: BF135982.D

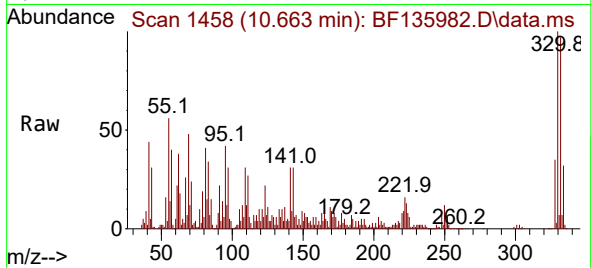
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Instrument :

BNA_F

ClientSampleId :

H-DRUMS-SOLID



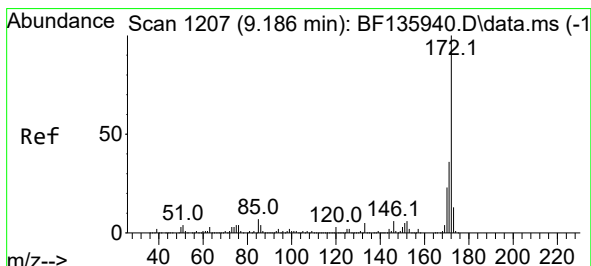
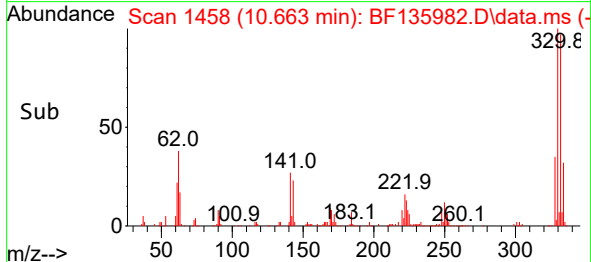
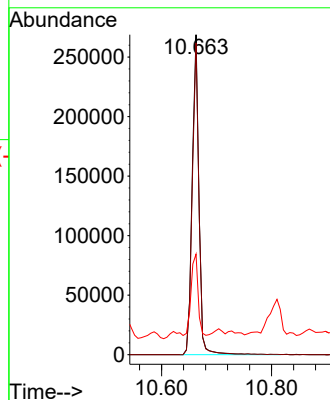
Tgt Ion:330 Resp: 226987

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

141 26.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 50.099 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

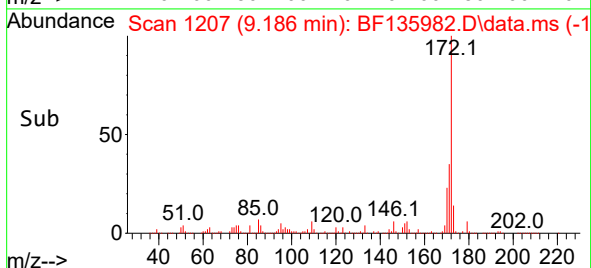
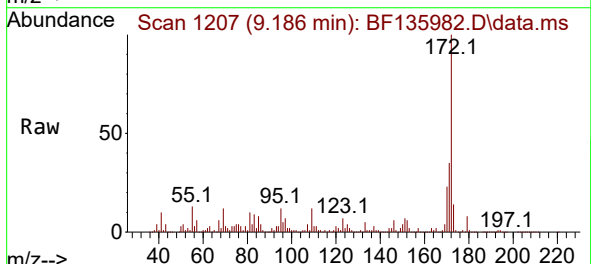
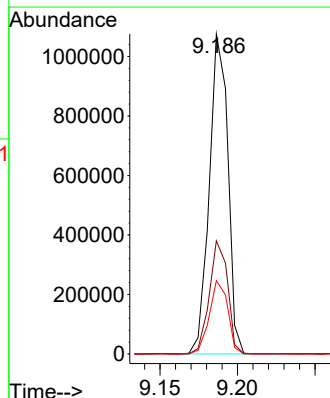
Tgt Ion:172 Resp: 895162

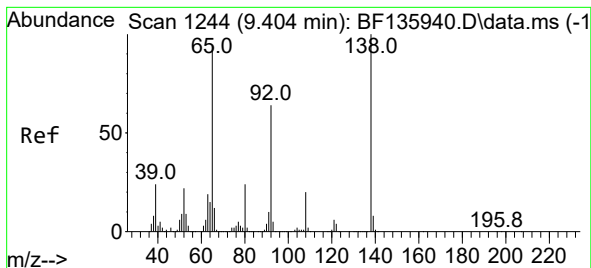
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 22.9 18.6 28.0





#48

2-Nitroaniline

Concen: 4.986 ng

RT: 9.380 min Scan# 1

Delta R.T. -0.024 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

Instrument :

BNA_F

ClientSampleId :

H-DRUMS-SOLID

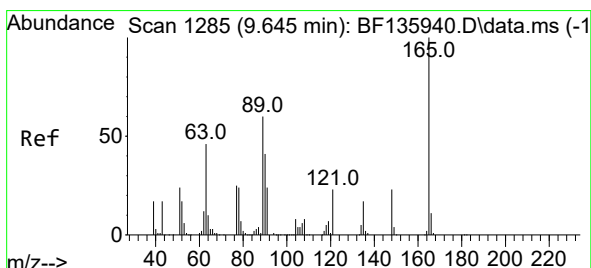
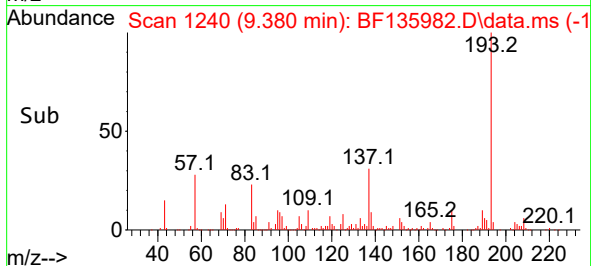
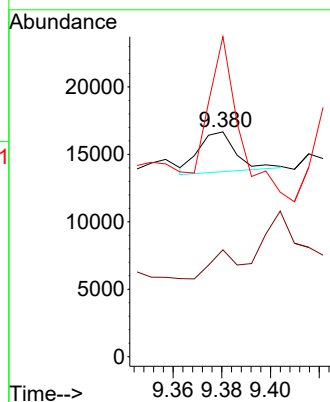
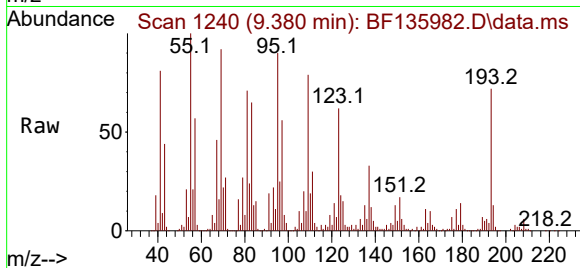
Tgt Ion: 65 Resp: 3207

Ion Ratio Lower Upper

65 100

92 47.6 54.9 82.3#

138 142.4 85.2 127.8#



#51

2,6-Dinitrotoluene

Concen: 10.662 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

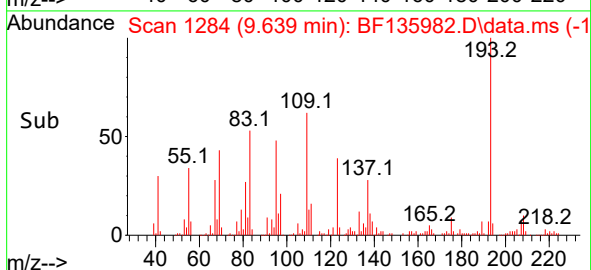
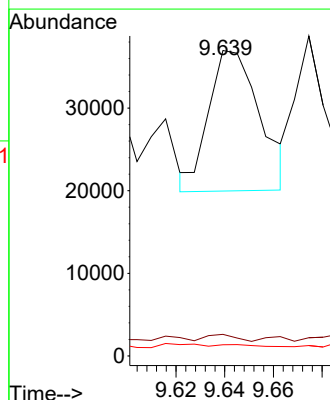
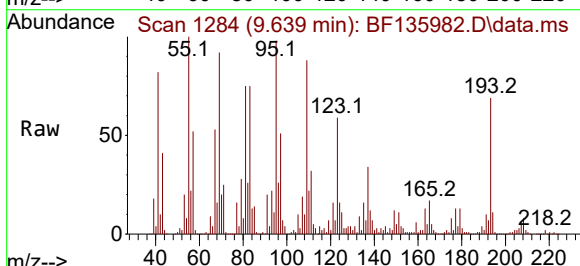
Tgt Ion:165 Resp: 24826

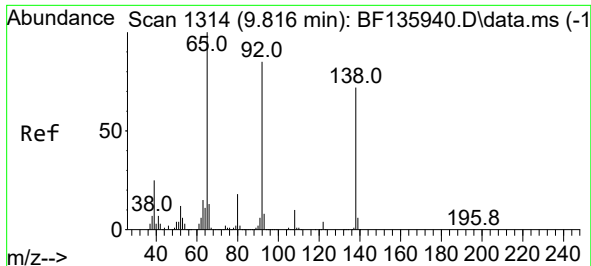
Ion Ratio Lower Upper

165 100

63 7.1 51.7 77.5#

89 3.7 48.3 72.5#

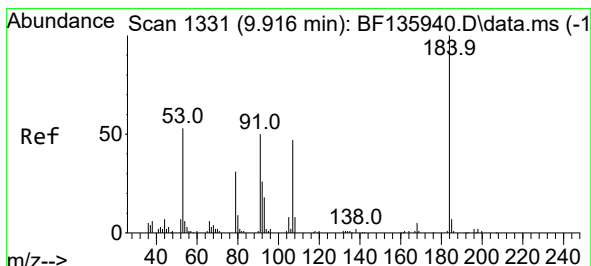
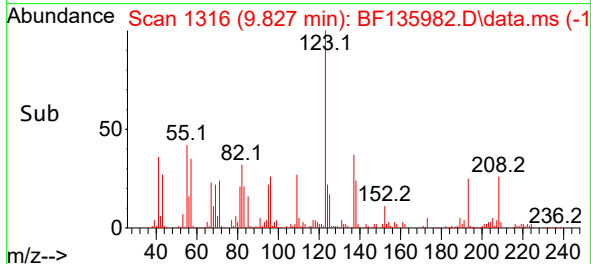
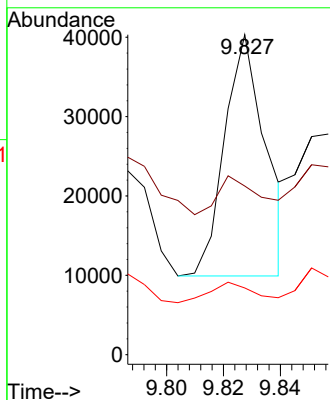
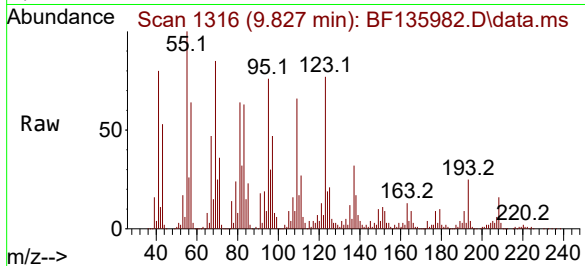




#53
3-Nitroaniline
Concen: 10.581 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

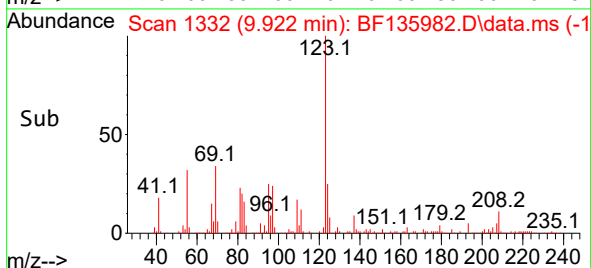
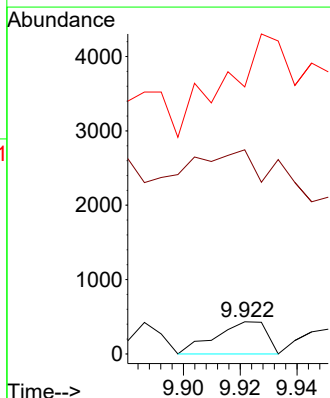
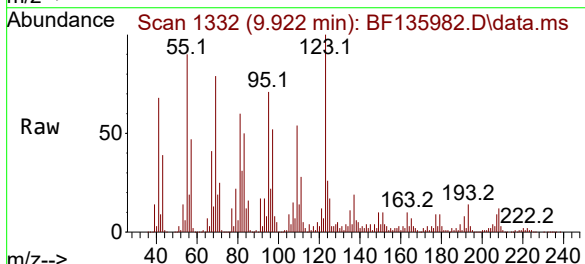
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

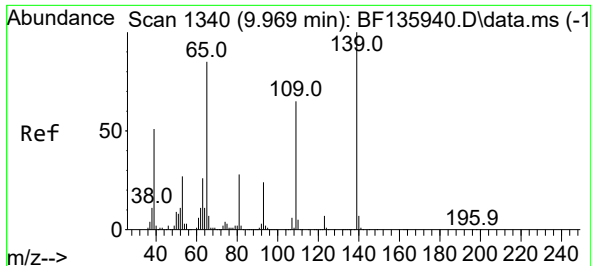
Tgt Ion:138 Resp: 30613
Ion Ratio Lower Upper
138 100
108 52.7 11.3 16.9#
92 20.8 95.0 142.6#



#54
2,4-Dinitrophenol
Concen: 3.248 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:184 Resp: 544
Ion Ratio Lower Upper
184 100
63 635.6 56.3 84.5#
154 831.0 48.1 72.1#

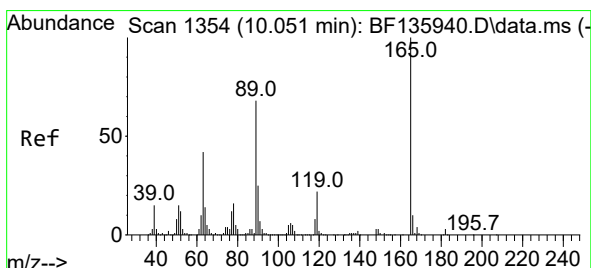
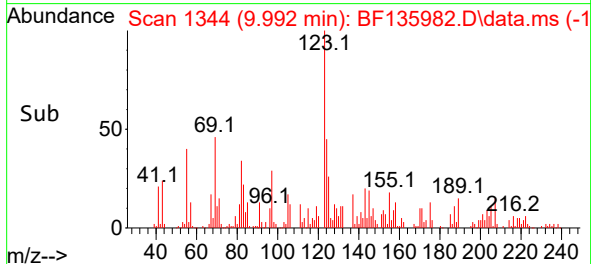
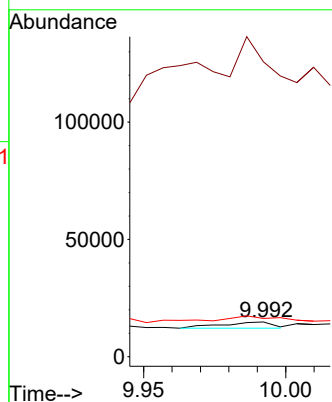
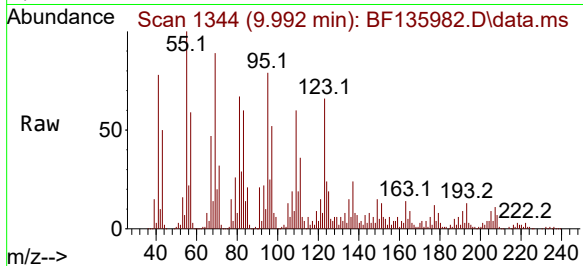




#56
4-Nitrophenol
Concen: 6.996 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.023 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

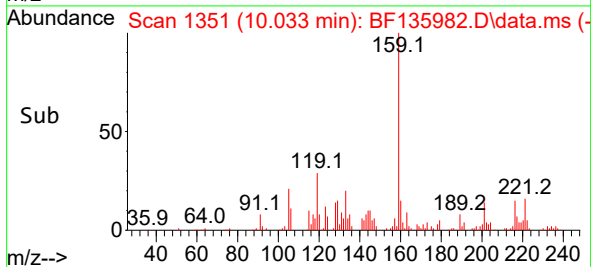
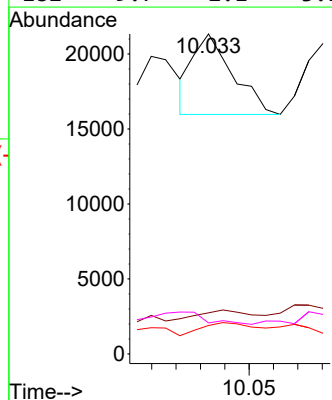
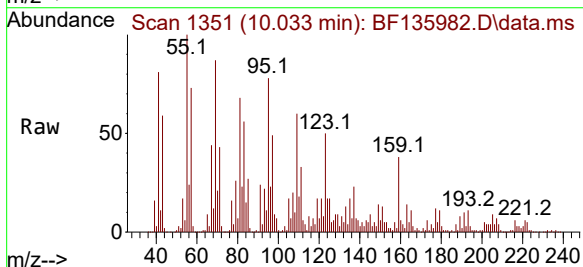
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

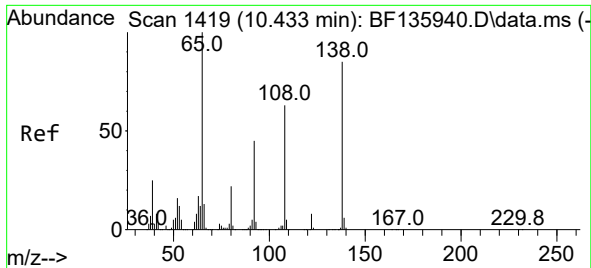
Tgt Ion:139 Resp: 3293
Ion Ratio Lower Upper
139 100
109 850.5 45.2 85.2#
65 110.5 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 6.954 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.018 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:165 Resp: 6102
Ion Ratio Lower Upper
165 100
63 12.8 33.7 50.5#
89 8.9 54.6 81.8#
182 9.7 2.1 3.1#

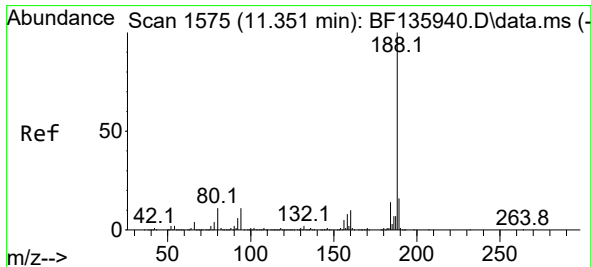
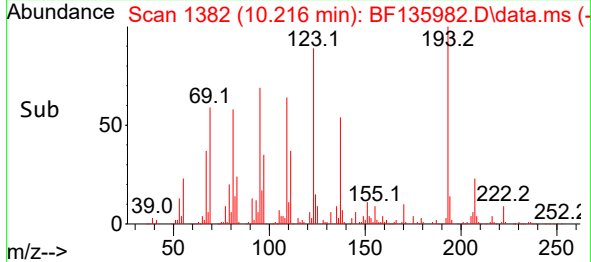
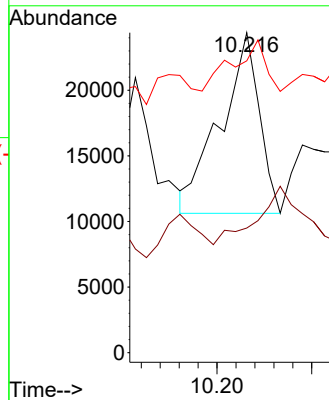
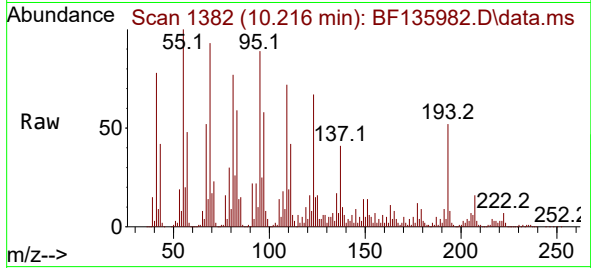




#62
4-Nitroaniline
Concen: 8.509 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

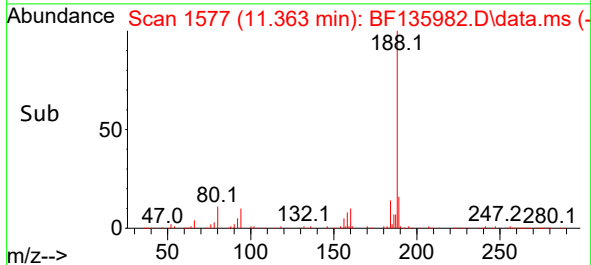
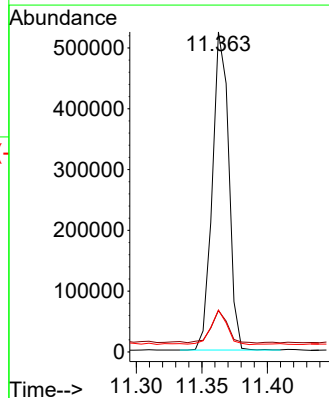
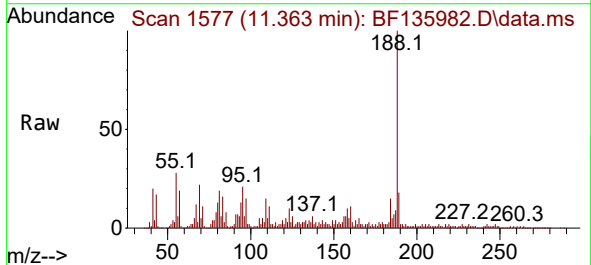
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

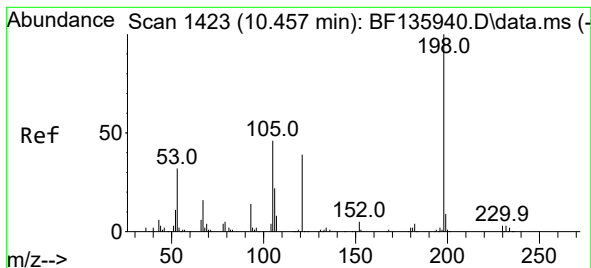
Tgt Ion:138 Resp: 19474
Ion Ratio Lower Upper
138 100
92 38.9 32.9 72.9
108 91.2 53.5 93.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.012 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:188 Resp: 455158
Ion Ratio Lower Upper
188 100
94 12.9 8.6 13.0
80 13.1 9.0 13.6

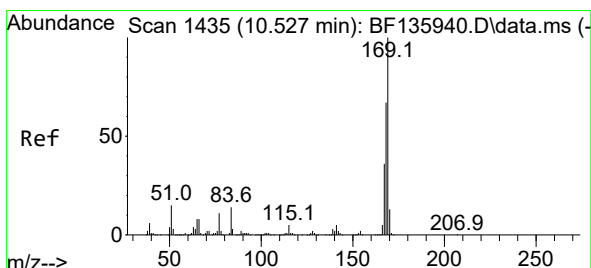
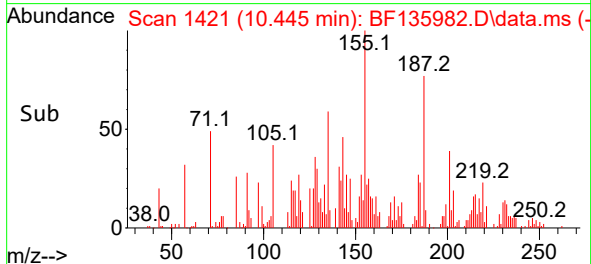
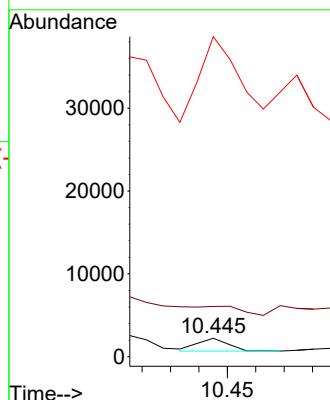
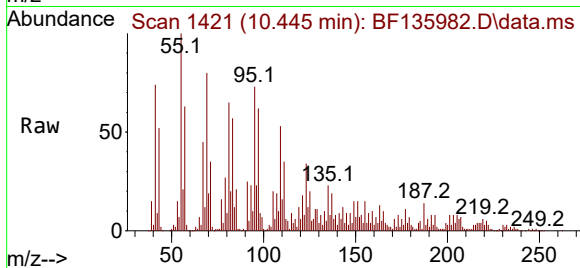




#65
4,6-Dinitro-2-methylphenol
Concen: 7.900 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

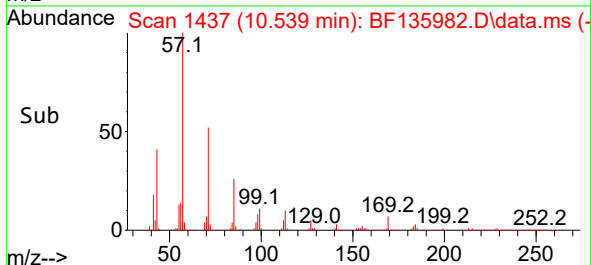
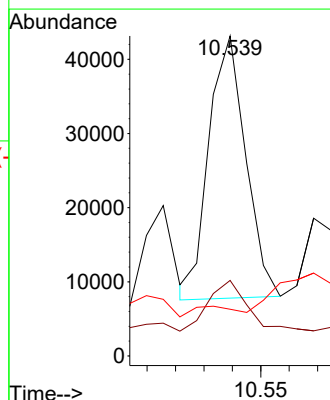
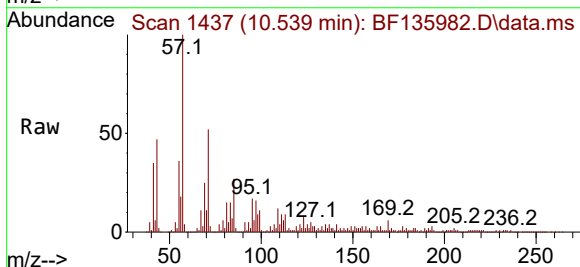
Instrument :
BNA_F
ClientSampleId :
H-DRUMS-SOLID

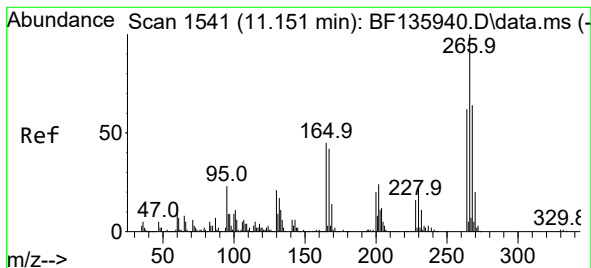
Tgt Ion:198 Resp: 1142
Ion Ratio Lower Upper
198 100
51 274.0 28.7 68.7#
105 1746.0 27.2 67.2#



#66
n-Nitrosodiphenylamine
Concen: 2.320 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.012 min
Lab File: BF135982.D
Acq: 27 Oct 2023 13:54

Tgt Ion:169 Resp: 31896
Ion Ratio Lower Upper
169 100
168 23.6 53.5 80.3#
167 14.6 29.0 43.4#





#70

Pentachlorophenol

Concen: 4.384 ng

RT: 11.139 min Scan# 1539

Delta R.T. -0.012 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

Instrument :

BNA_F

ClientSampleId :

H-DRUMS-SOLID

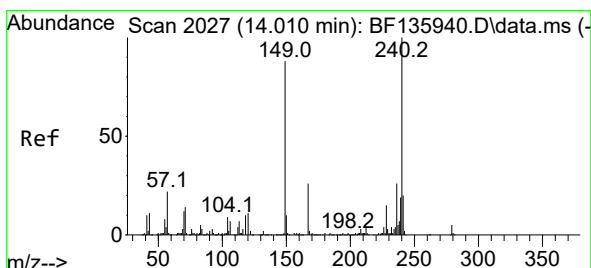
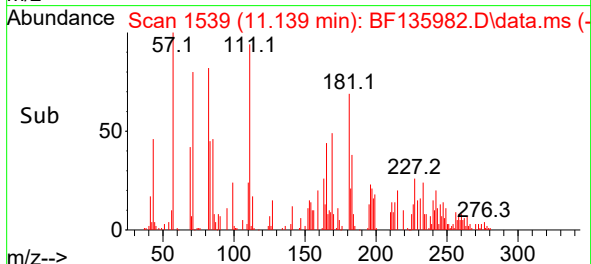
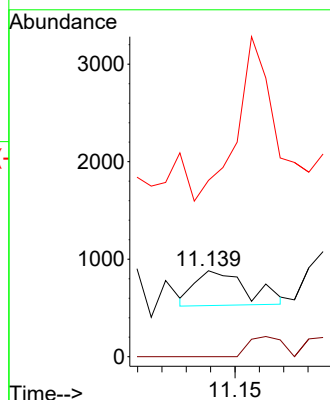
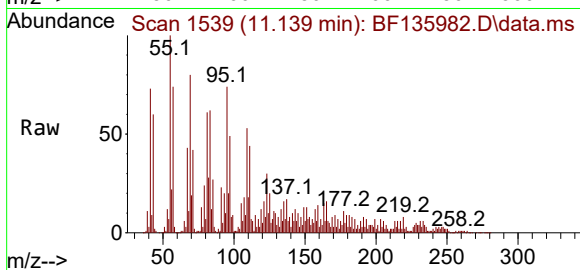
Tgt Ion:266 Resp: 531

Ion Ratio Lower Upper

266 100

268 0.0 50.8 76.2#

264 205.3 49.8 74.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

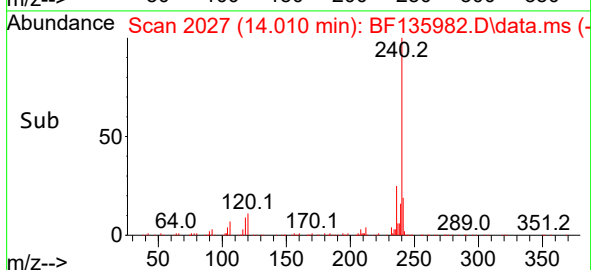
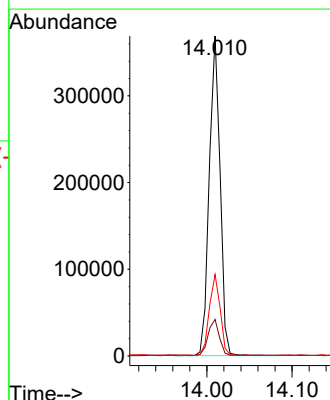
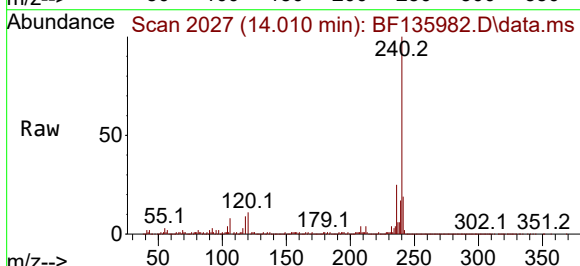
Tgt Ion:240 Resp: 324125

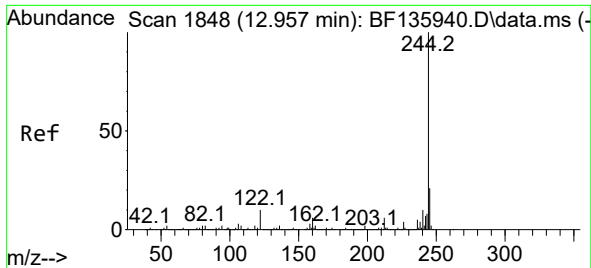
Ion Ratio Lower Upper

240 100

120 11.4 8.6 13.0

236 25.5 20.6 30.8

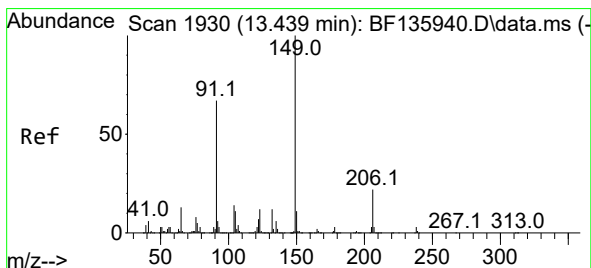
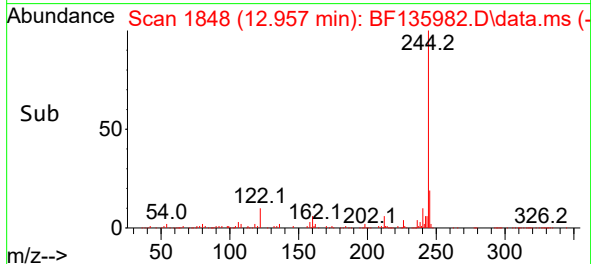
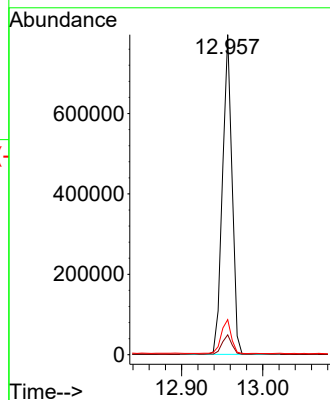
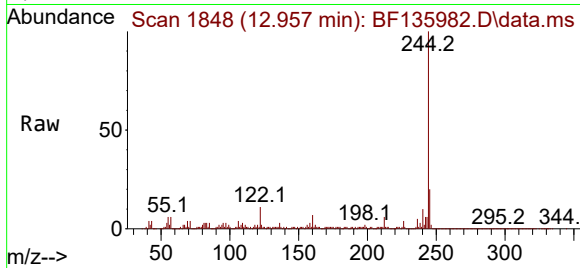




#79
 Terphenyl-d14
 Concen: 33.749 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF135982.D
 Acq: 27 Oct 2023 13:54

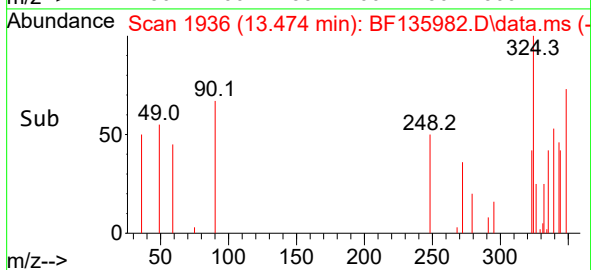
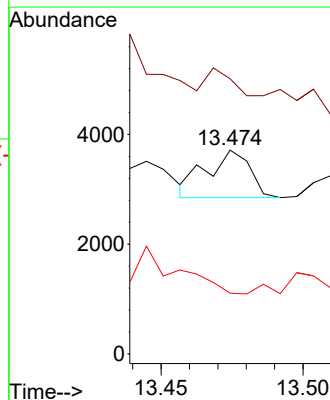
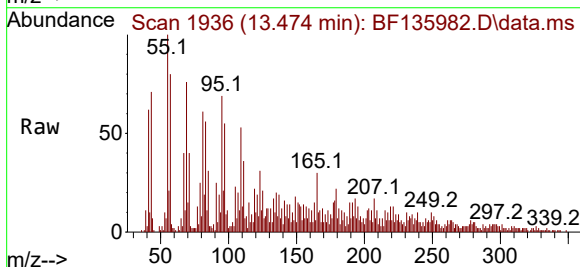
Instrument :
 BNA_F
 ClientSampleId :
 H-DRUMS-SOLID

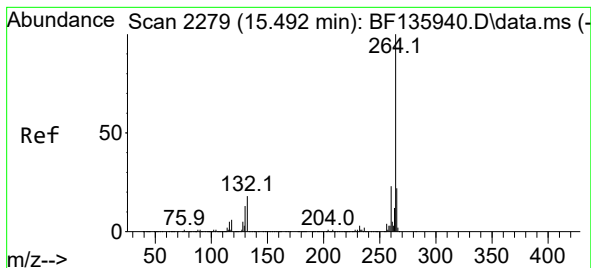
Tgt Ion:244 Resp: 654711
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 11.0 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.909 ng
 RT: 13.474 min Scan# 1936
 Delta R.T. 0.035 min
 Lab File: BF135982.D
 Acq: 27 Oct 2023 13:54

Tgt Ion:149 Resp: 914
 Ion Ratio Lower Upper
 149 100
 91 135.0 53.4 80.0#
 206 29.8 17.5 26.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

Instrument :

BNA_F

ClientSampleId :

H-DRUMS-SOLID

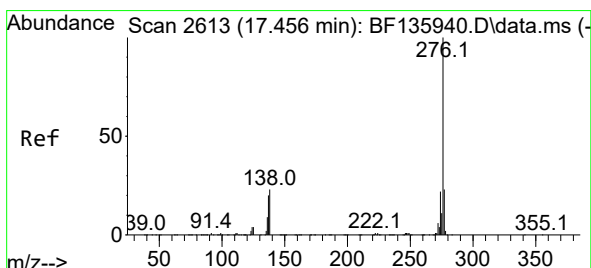
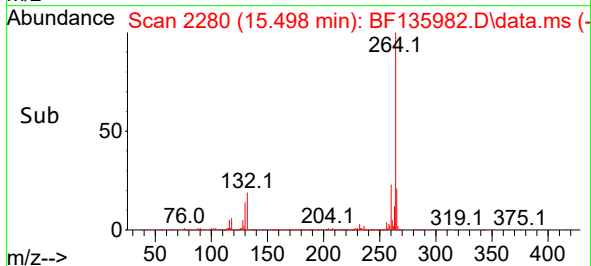
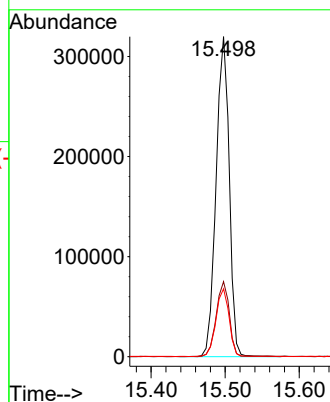
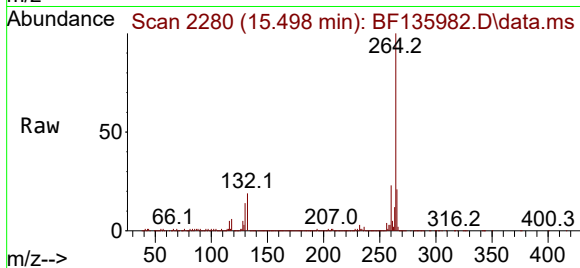
Tgt Ion:264 Resp: 393156

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.2 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 3.822 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.011 min

Lab File: BF135982.D

Acq: 27 Oct 2023 13:54

Tgt Ion:276 Resp: 1521

Ion Ratio Lower Upper

276 100

277 31.6 18.6 28.0#

138 54.0 18.4 27.6#

