

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135974.D
 Acq On : 26 Oct 2023 20:56
 Operator : CG\JU
 Sample : 05039-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-2

Quant Time: Oct 27 01:20:52 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)

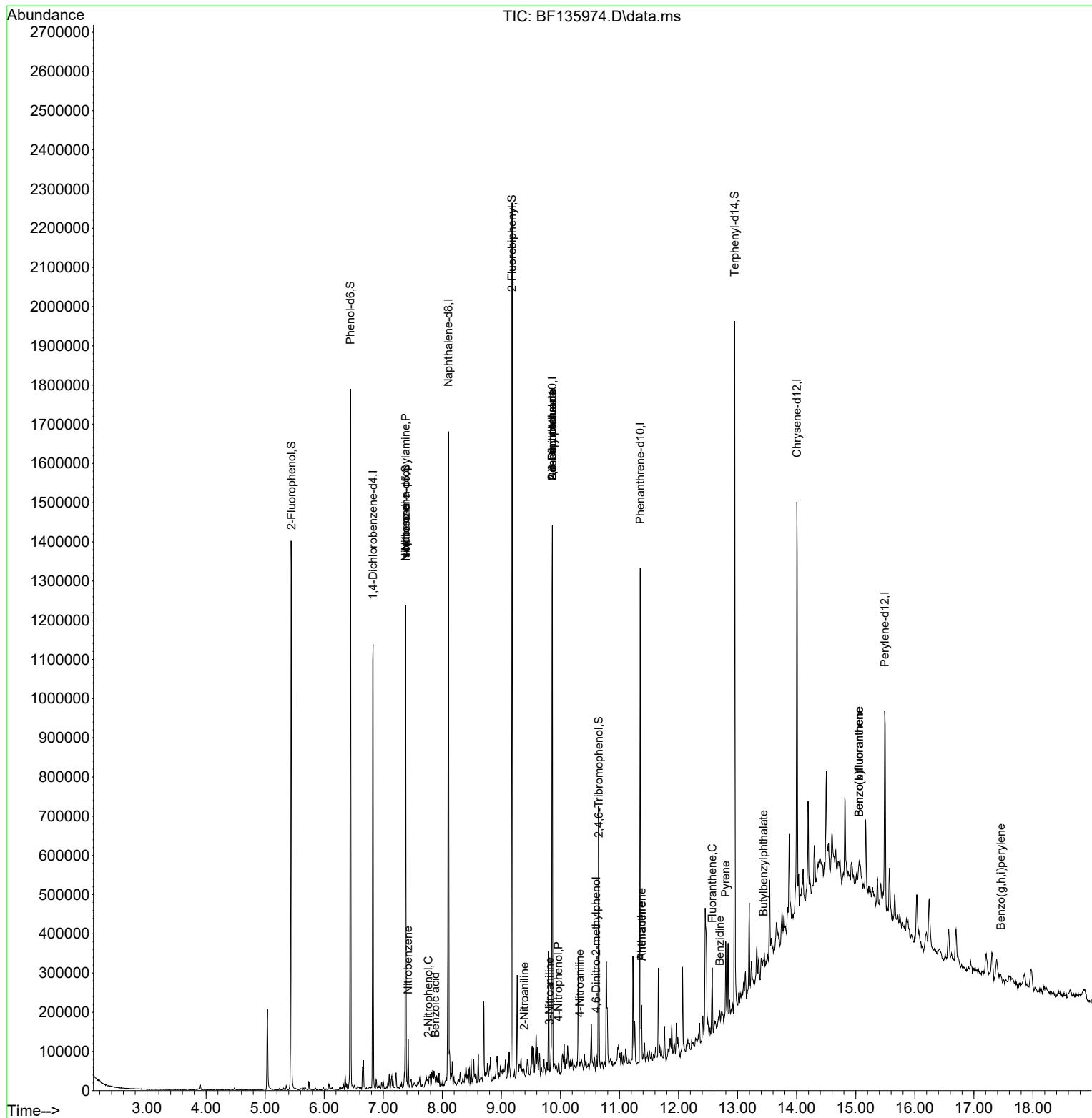
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	166056	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	625373	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	264873	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	414500	20.000	ng	0.00
76) Chrysene-d12	14.004	240	328536	20.000	ng	0.00
86) Perylene-d12	15.492	264	240591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	393995	36.638	ng	0.00
7) Phenol-d6	6.445	99	531739	39.717	ng	-0.01
23) Nitrobenzene-d5	7.381	82	297431	36.965	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	67826	29.255	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	572529	34.611	ng	0.00
79) Terphenyl-d14	12.951	244	551880	28.066	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	37785	4.963	ng	# 81
24) Nitrobenzene	7.422	77	61	2.587	ng	# 1
25) Isophorone	7.381	82	296221	14.985	ng	# 64
26) 2-Nitrophenol	7.763	139	81	3.117	ng	# 9
32) Benzoic acid	7.881	122	108	5.751	ng	# 1
48) 2-Nitroaniline	9.392	65	546	4.352	ng	# 32
50) Dimethylphthalate	9.863	163	55735	3.245	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	36465	14.065	ng	# 21
53) 3-Nitroaniline	9.816	138	140	4.592	ng	# 1
56) 4-Nitrophenol	9.963	139	777	6.391	ng	# 54
57) 2,4-Dinitrotoluene	9.863	165	36465	13.096	ng	# 26
62) 4-Nitroaniline	10.328	138	701	4.799	ng	# 87
65) 4,6-Dinitro-2-methylph...	10.604	198	138	7.047	ng	# 1
71) Phenanthrene	11.374	178	44658	2.130	ng	99
72) Anthracene	11.374	178	44658	2.080	ng	98
75) Fluoranthene	12.569	202	56340	2.554	ng	99
77) Benzidine	12.698	184	13352	2.108	ng	95
78) Pyrene	12.798	202	76226	2.763	ng	98
80) Butylbenzylphthalate	13.439	149	1103	3.924	ng	# 71
88) Benzo(b)fluoranthene	15.057	252	29585	2.066	ng	# 72
89) Benzo(k)fluoranthene	15.057	252	29585	2.104	ng	# 71
92) Benzo(g,h,i)perylene	17.456	276	12353	4.616	ng	# 79

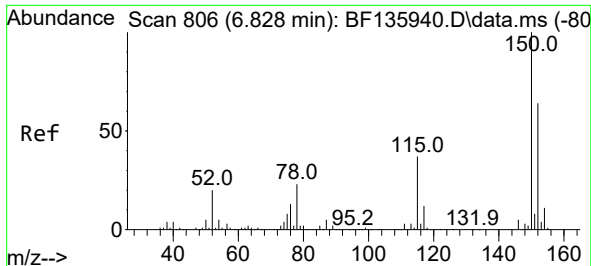
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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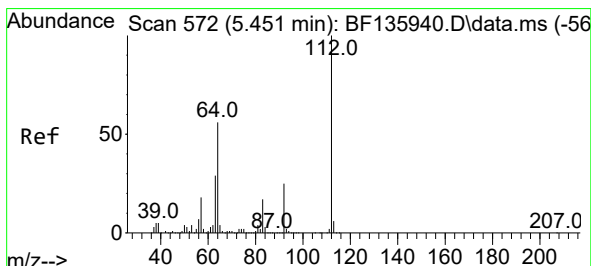
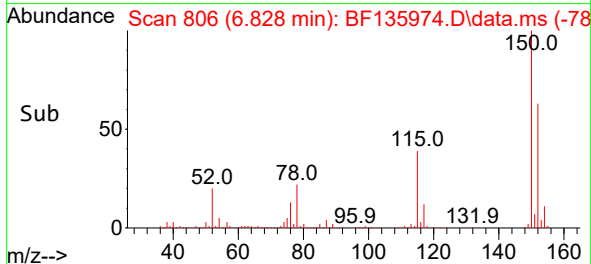
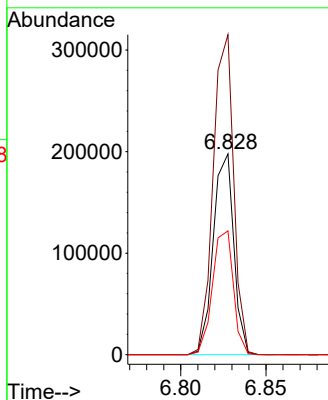
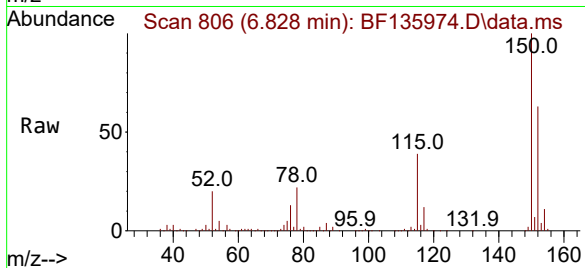




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

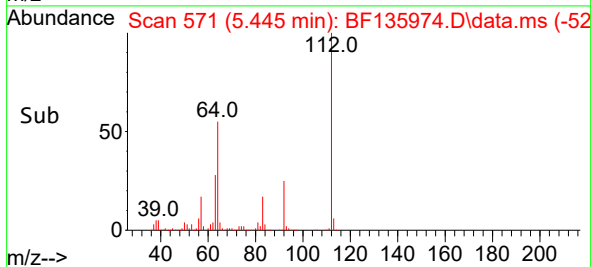
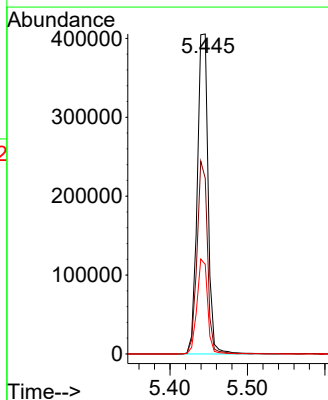
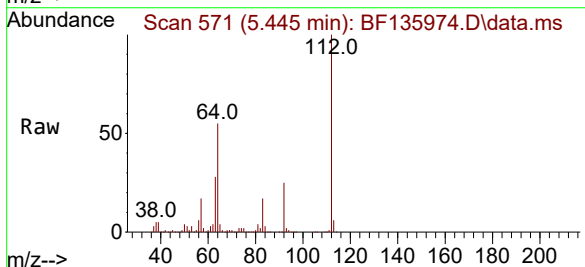
Instrument :
BNA_F
ClientSampleId :
MMFB-2

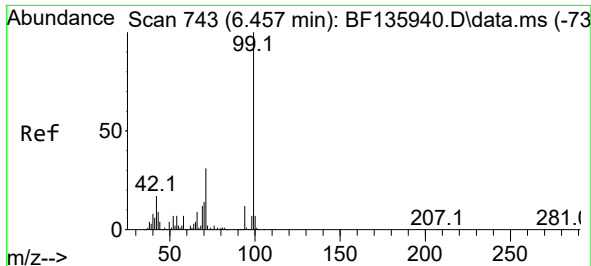
Tgt Ion:152 Resp: 166056
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 61.6 46.6 69.8



#5
2-Fluorophenol
Concen: 36.638 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:112 Resp: 393995
Ion Ratio Lower Upper
112 100
64 54.9 45.1 67.7
63 28.0 23.0 34.4

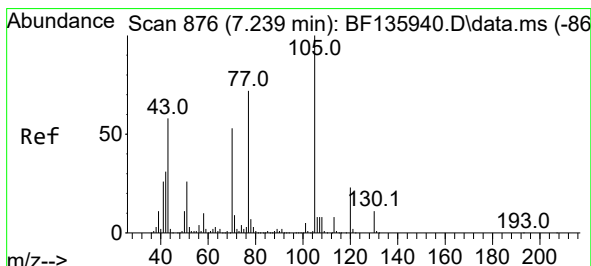
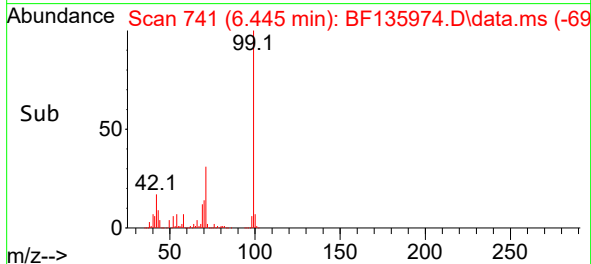
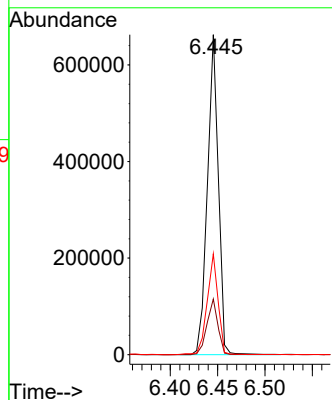
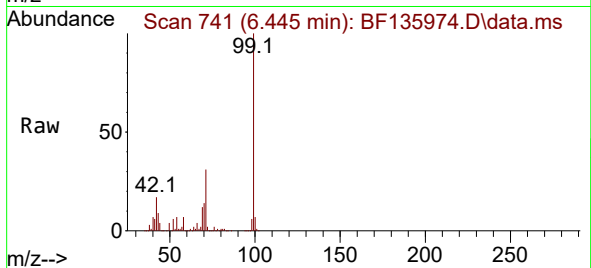




#7
Phenol-d6
Concen: 39.717 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

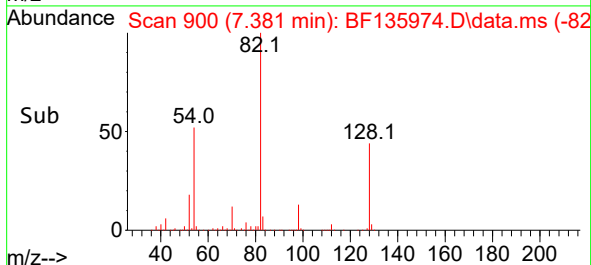
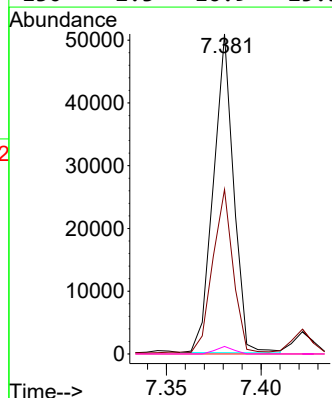
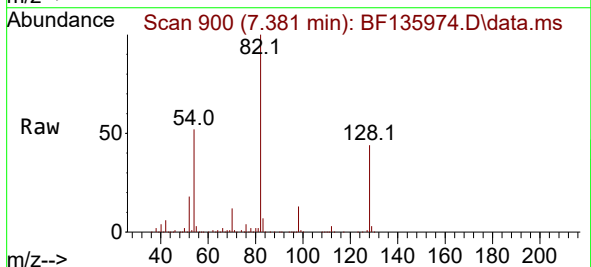
Instrument :
BNA_F
ClientSampleId :
MMFB-2

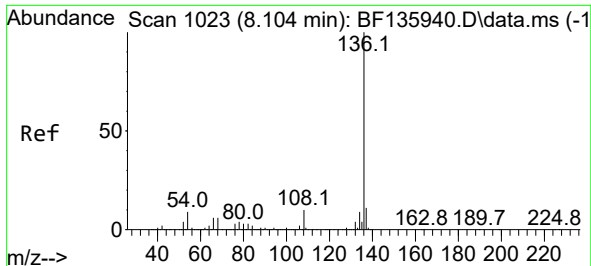
Tgt Ion: 99 Resp: 531739
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 31.5 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.963 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion: 70 Resp: 37785
Ion Ratio Lower Upper
70 100
42 51.4 47.3 70.9
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#



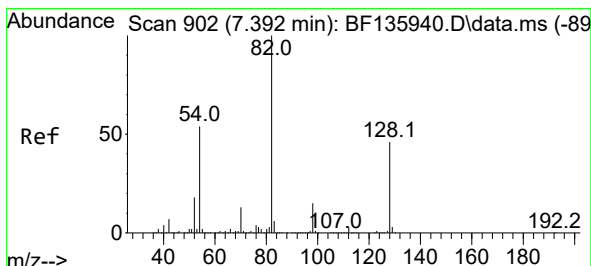
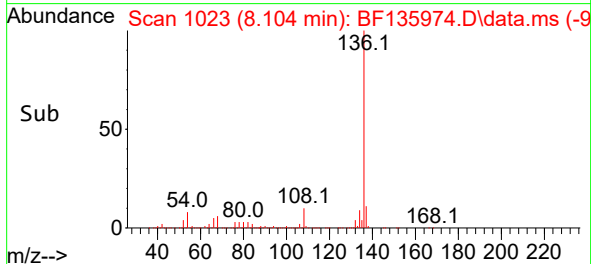
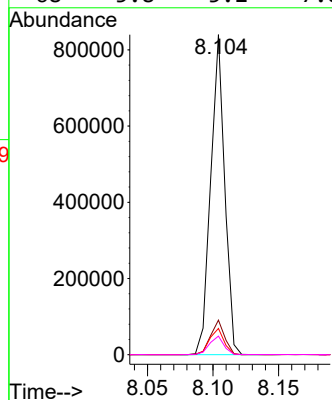
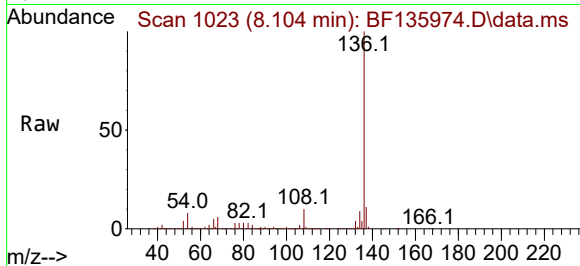


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Instrument :
BNA_F
ClientSampleId :
MMFB-2

Tgt Ion:136 Resp: 625373

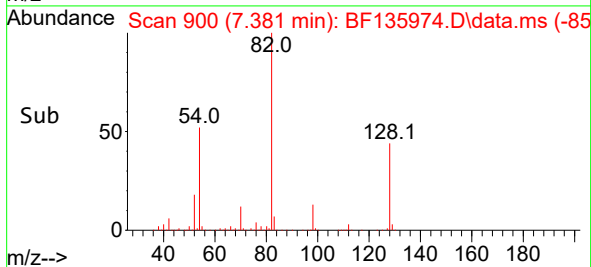
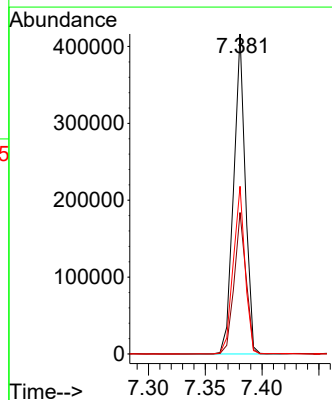
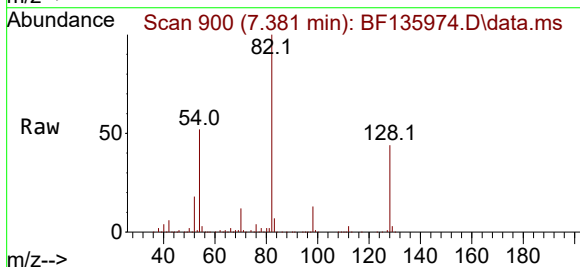
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.2	7.1	10.7
68	5.8	5.2	7.8

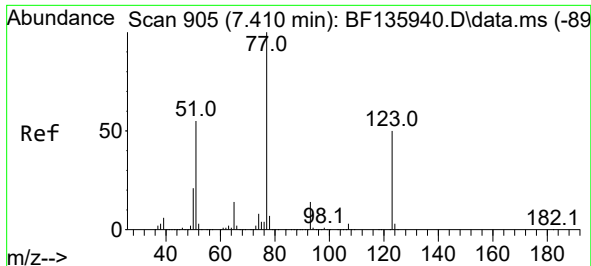


#23
Nitrobenzene-d5
Concen: 36.965 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.011 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion: 82 Resp: 297431

Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.8	55.2
54	52.4	43.4	65.0

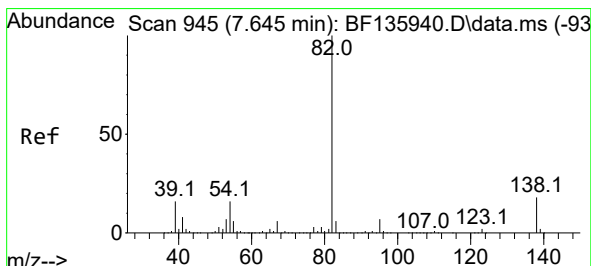
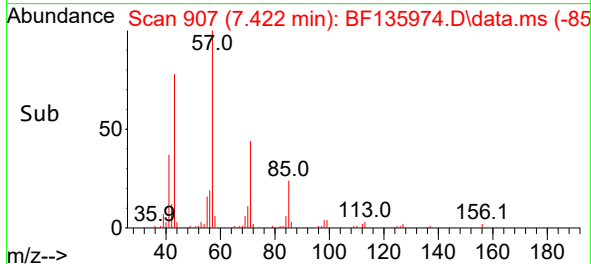
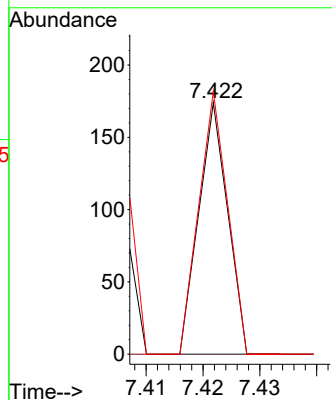
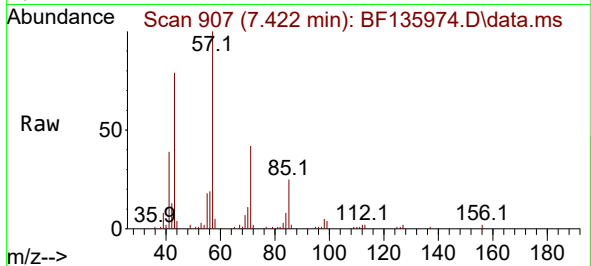




#24
Nitrobenzene
Concen: 2.587 ng
RT: 7.422 min Scan# 905
Delta R.T. 0.012 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

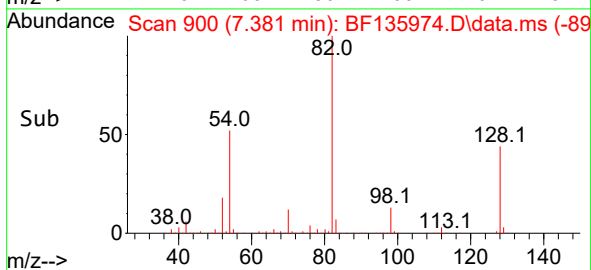
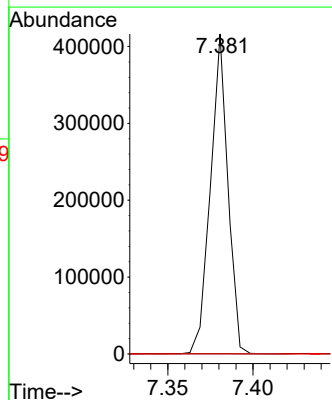
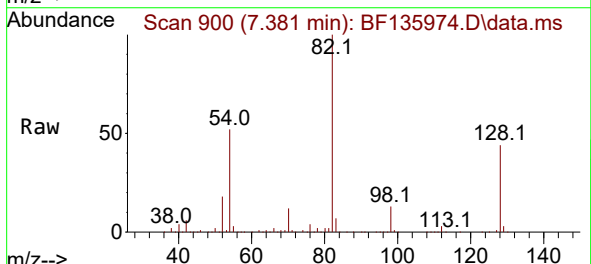
Instrument :
BNA_F
ClientSampleId :
MMFB-2

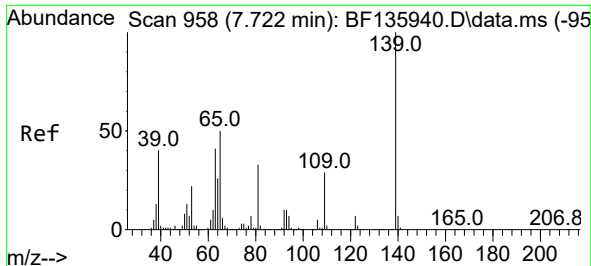
Tgt Ion: 77 Resp: 61
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 104.6 11.0 16.4#



#25
Isophorone
Concen: 14.985 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion: 82 Resp: 296221
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.8 22.2#

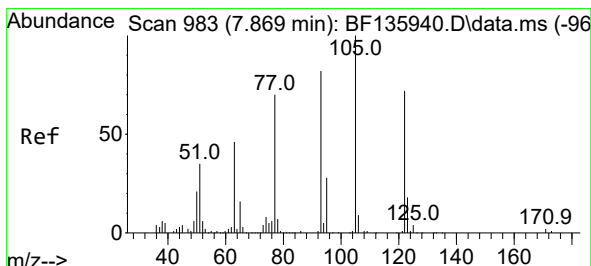
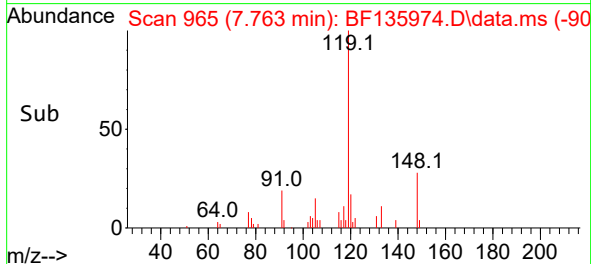
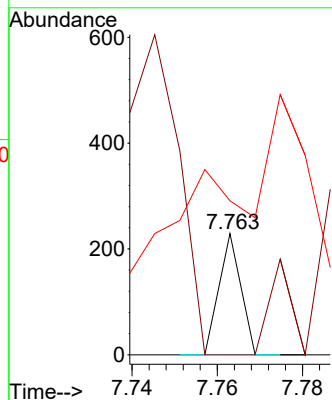
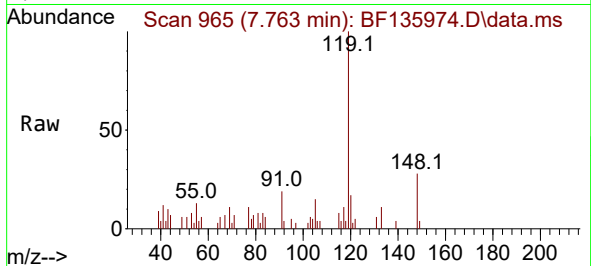




#26
2-Nitrophenol
Concen: 3.117 ng
RT: 7.763 min Scan# 90
Delta R.T. 0.041 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

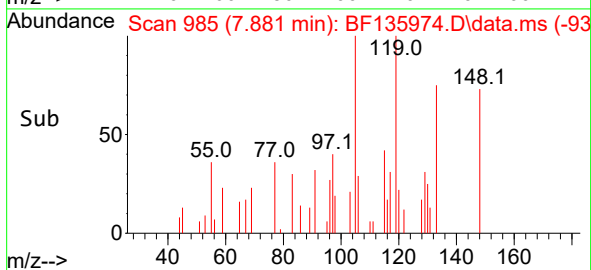
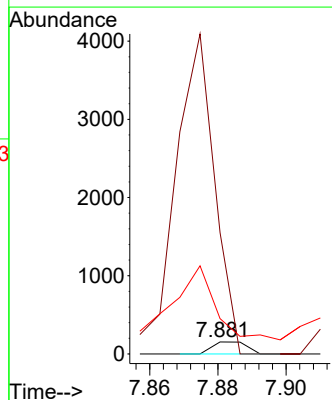
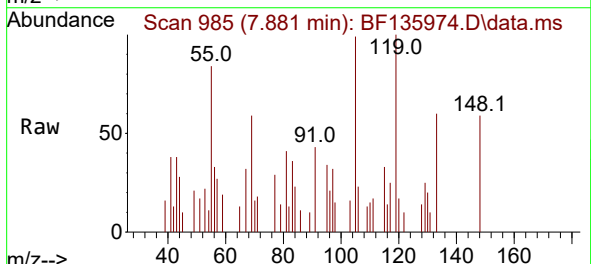
Instrument :
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ClientSampleId :
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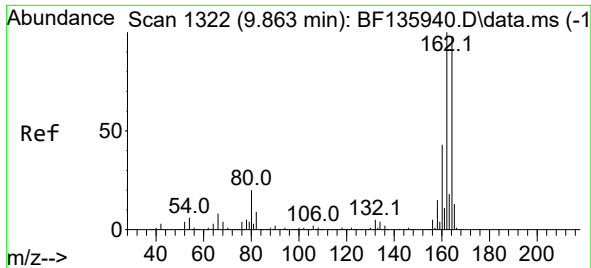
Tgt Ion:139 Resp: 81
Ion Ratio Lower Upper
139 100
109 0.0 23.1 34.7#
65 127.1 39.8 59.8#



#32
Benzoic acid
Concen: 5.751 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:122 Resp: 108
Ion Ratio Lower Upper
122 100
105 1008.4 113.1 153.1#
77 293.5 75.2 115.2#

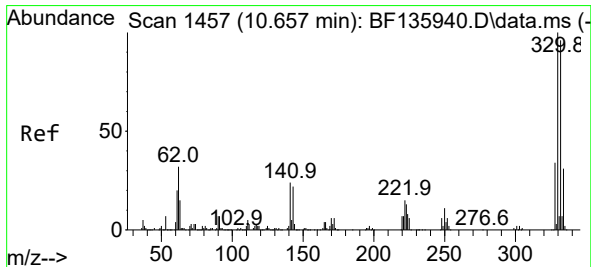
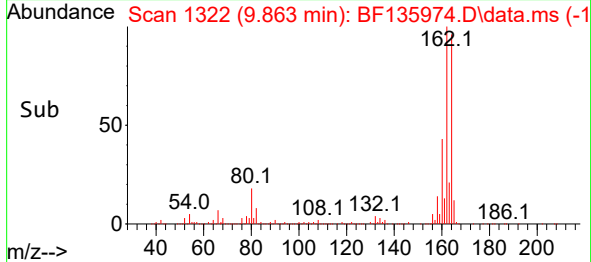
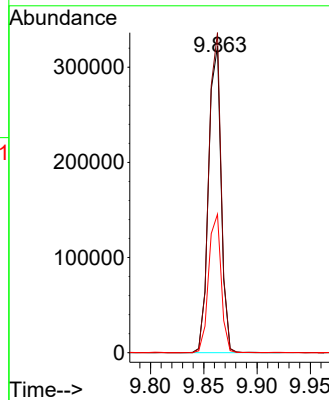
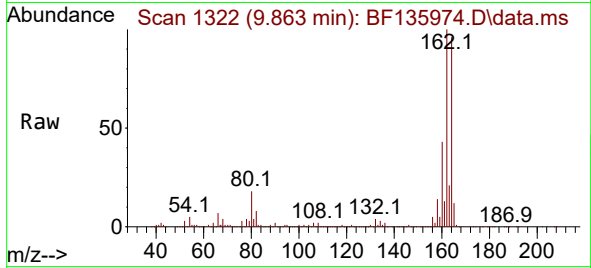




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

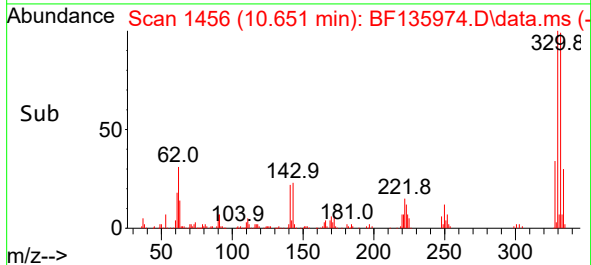
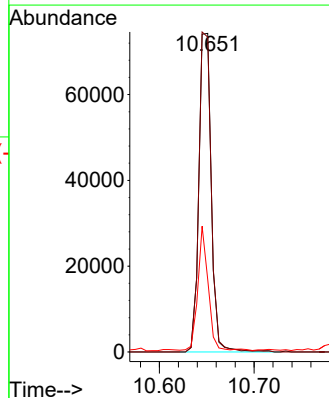
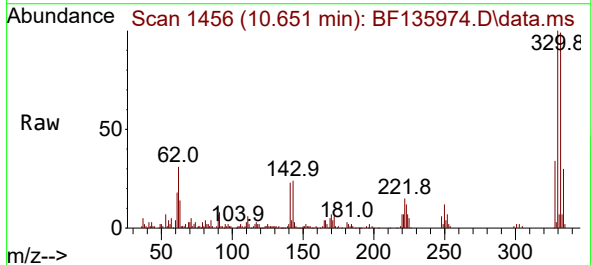
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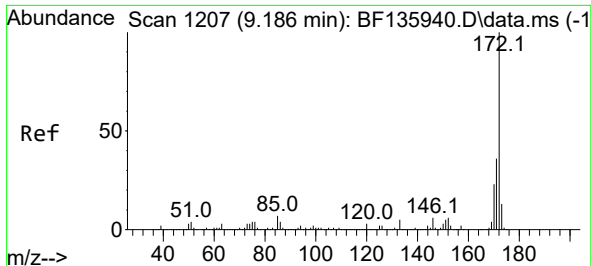
Tgt Ion:164 Resp: 264873
Ion Ratio Lower Upper
164 100
162 104.5 82.0 123.0
160 45.2 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 29.255 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:330 Resp: 67826
Ion Ratio Lower Upper
330 100
332 99.9 77.4 116.2
141 31.8 24.9 37.3

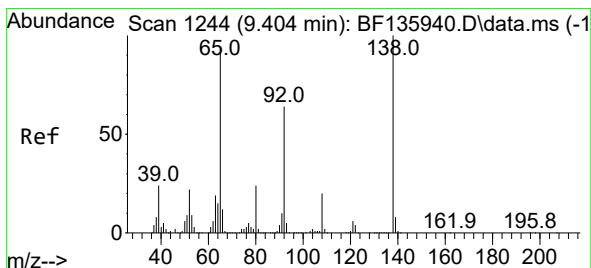
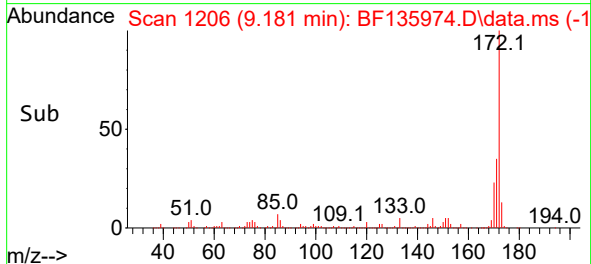
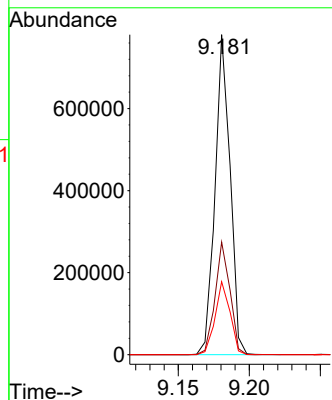
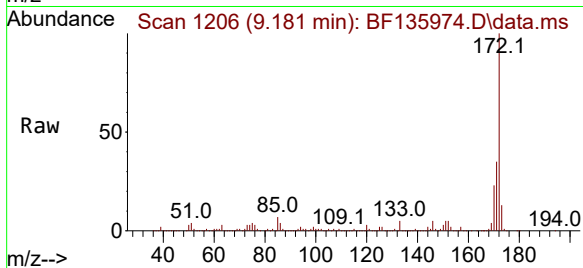




#45
2-Fluorobiphenyl
Concen: 34.611 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

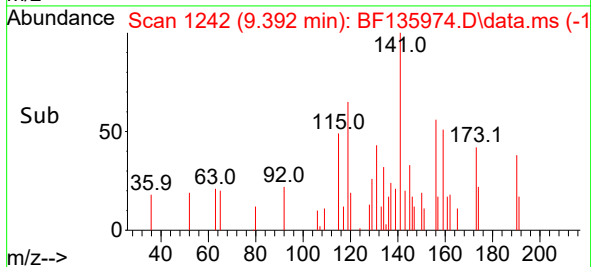
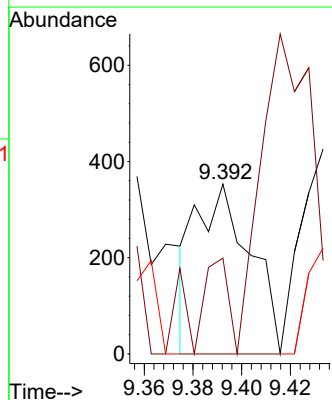
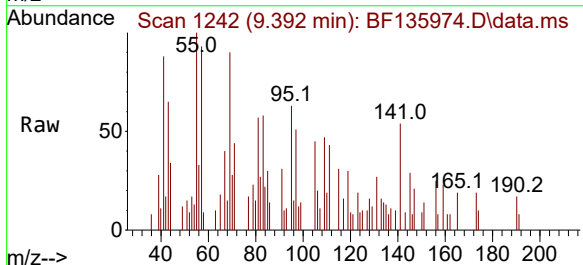
Instrument :
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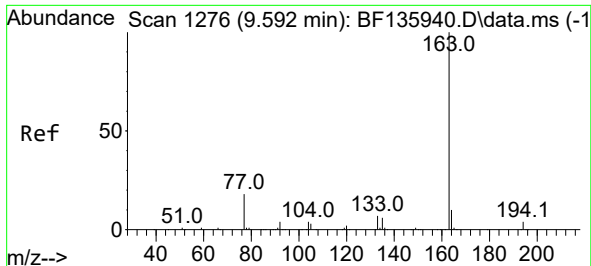
Tgt Ion:172 Resp: 572529
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 22.8 18.6 28.0



#48
2-Nitroaniline
Concen: 4.352 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.012 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion: 65 Resp: 546
Ion Ratio Lower Upper
65 100
92 56.4 54.9 82.3
138 0.0 85.2 127.8#

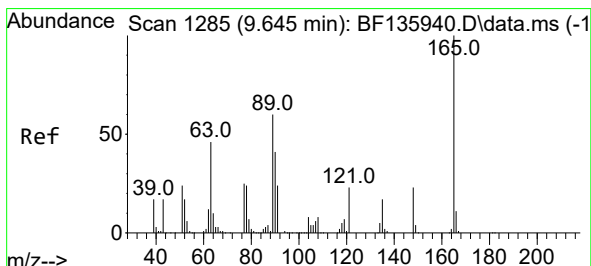
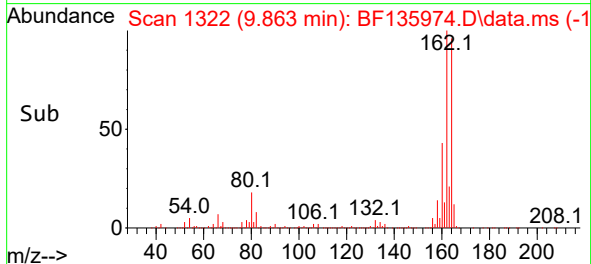
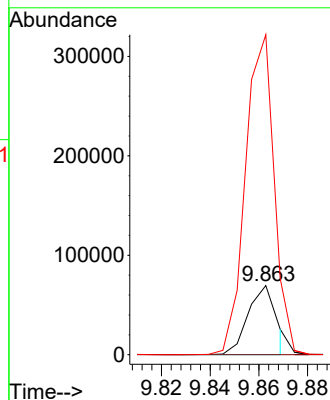
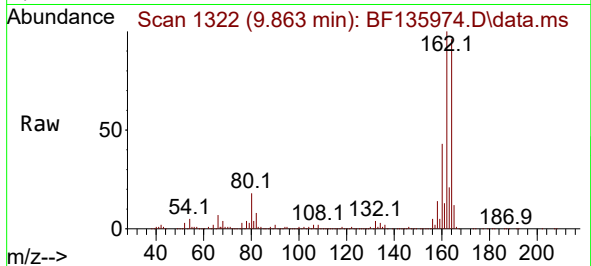




#50
Dimethylphthalate
Concen: 3.245 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

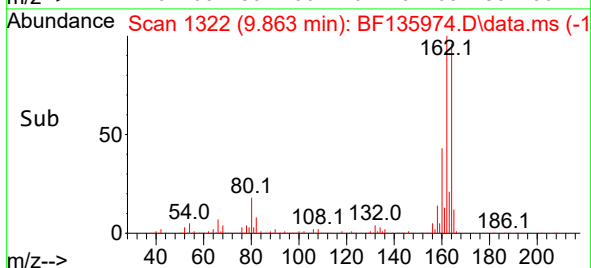
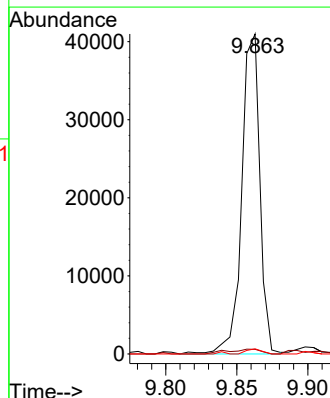
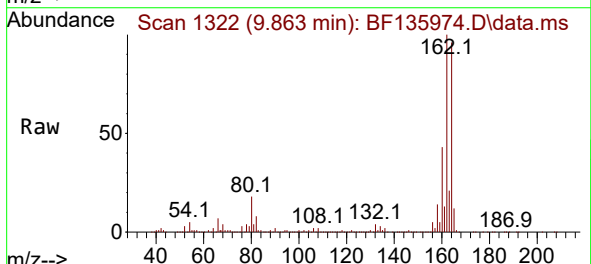
Instrument :
BNA_F
ClientSampleId :
MMFB-2

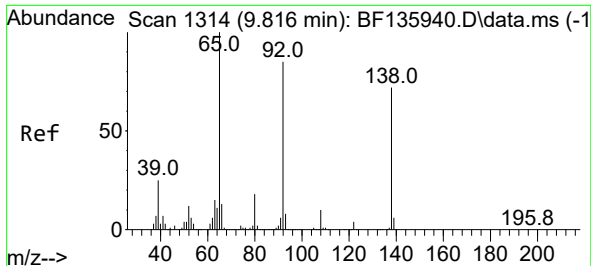
Tgt Ion:163 Resp: 55735
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 462.6 8.3 12.5#



#51
2,6-Dinitrotoluene
Concen: 14.065 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.218 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:165 Resp: 36465
Ion Ratio Lower Upper
165 100
63 1.5 51.7 77.5#
89 1.6 48.3 72.5#

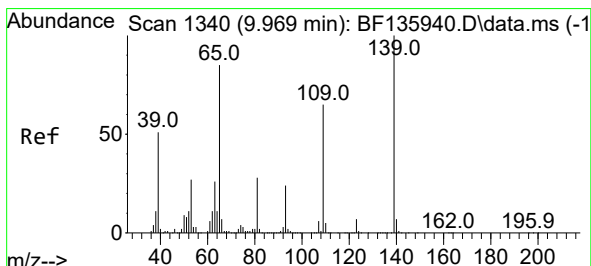
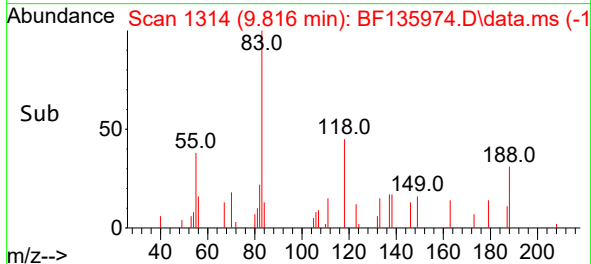
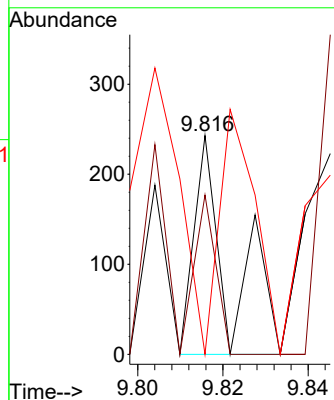
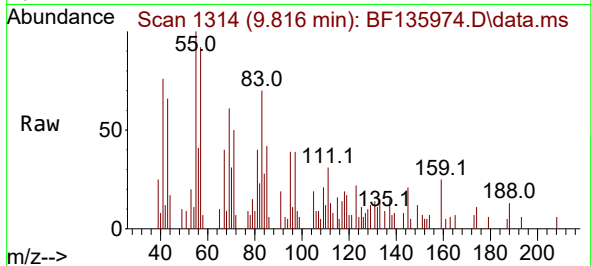




#53
3-Nitroaniline
Concen: 4.592 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

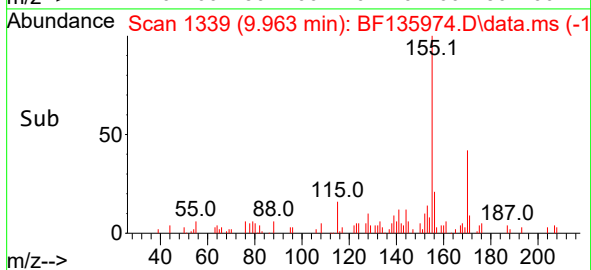
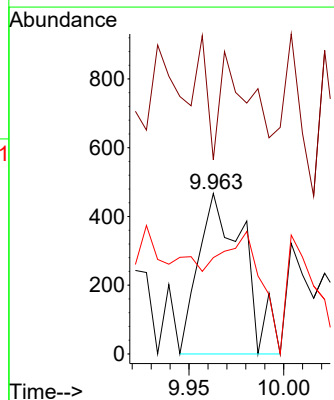
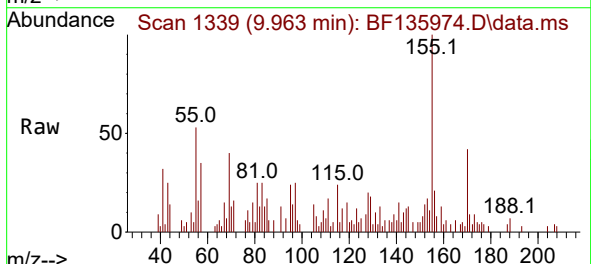
Instrument :
BNA_F
ClientSampleId :
MMFB-2

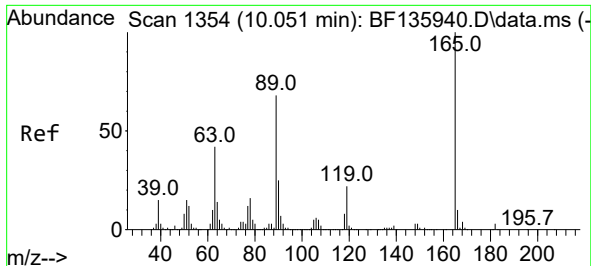
Tgt Ion:138 Resp: 140
Ion Ratio Lower Upper
138 100
108 72.8 11.3 16.9#
92 0.0 95.0 142.6#



#56
4-Nitrophenol
Concen: 6.391 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:139 Resp: 777
Ion Ratio Lower Upper
139 100
109 121.0 45.2 85.2#
65 60.0 65.1 105.1#

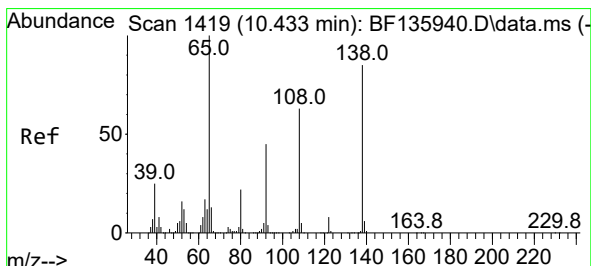
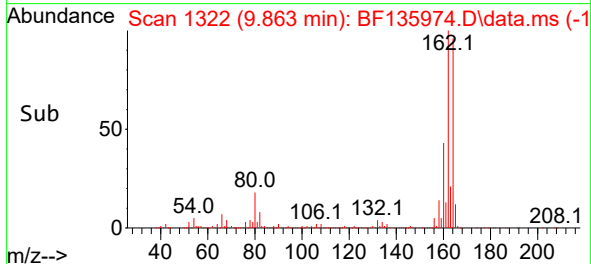
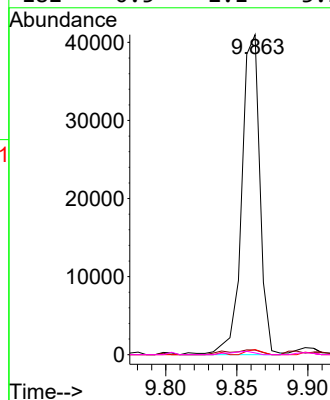
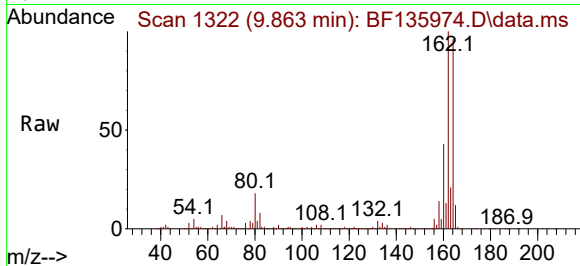




#57
2,4-Dinitrotoluene
Concen: 13.096 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

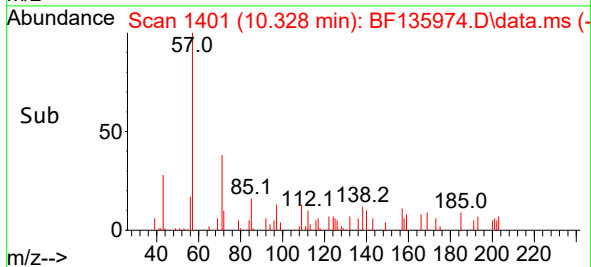
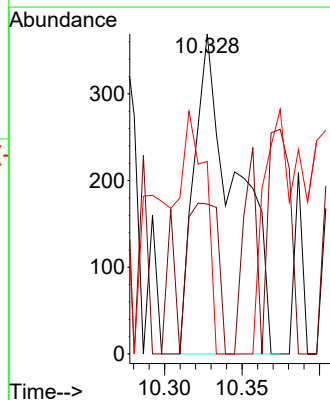
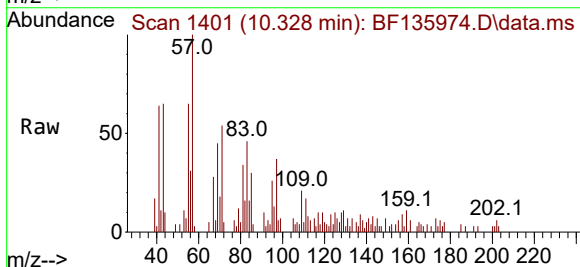
Instrument :
BNA_F
ClientSampleId :
MMFB-2

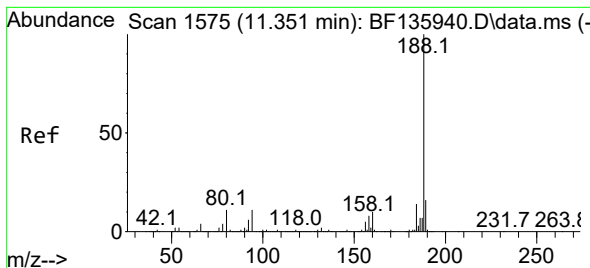
Tgt Ion:165 Resp: 36465
Ion Ratio Lower Upper
165 100
63 1.5 33.7 50.5#
89 1.6 54.6 81.8#
182 0.5 2.1 3.1#



#62
4-Nitroaniline
Concen: 4.799 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.105 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:138 Resp: 701
Ion Ratio Lower Upper
138 100
92 46.9 32.9 72.9
108 60.2 53.5 93.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

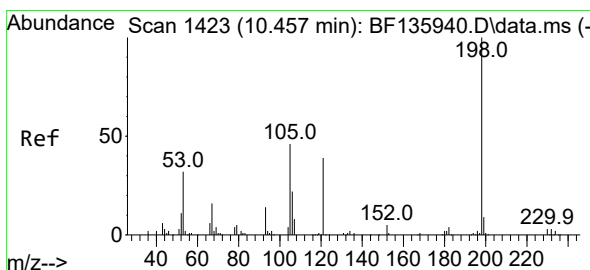
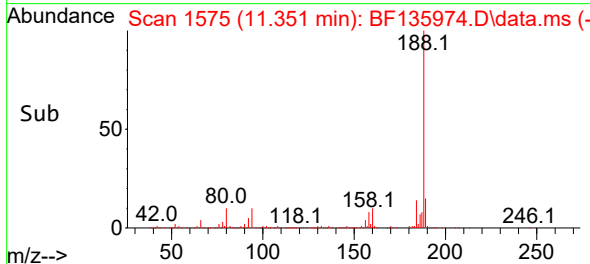
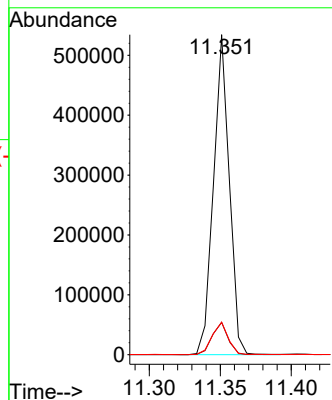
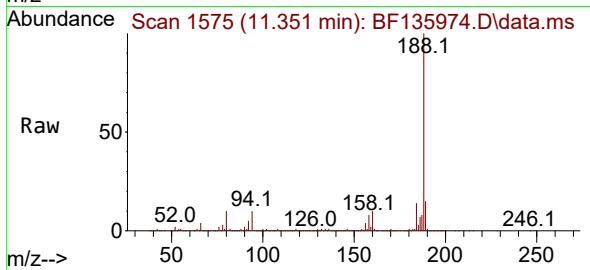
Tgt Ion:188 Resp: 414500

Ion Ratio Lower Upper

188 100

94 10.1 8.6 13.0

80 10.1 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 7.047 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.147 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

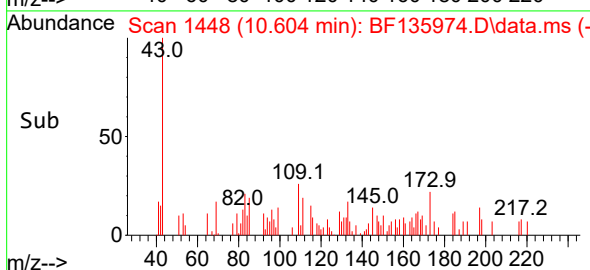
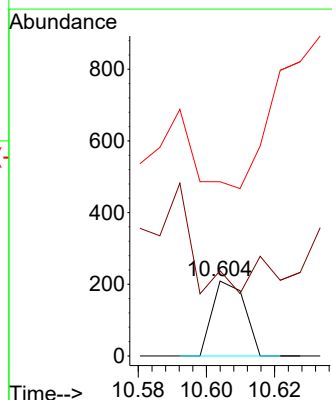
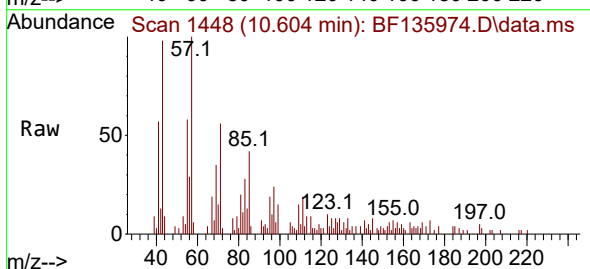
Tgt Ion:198 Resp: 138

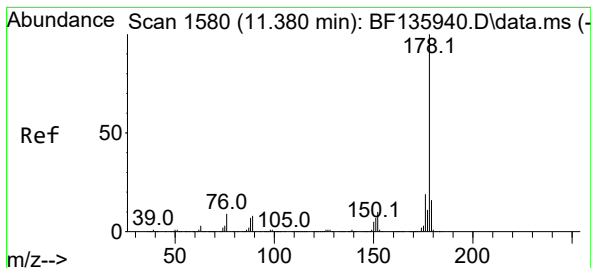
Ion Ratio Lower Upper

198 100

51 113.9 28.7 68.7#

105 232.5 27.2 67.2#





#71

Phenanthrene

Concen: 2.130 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

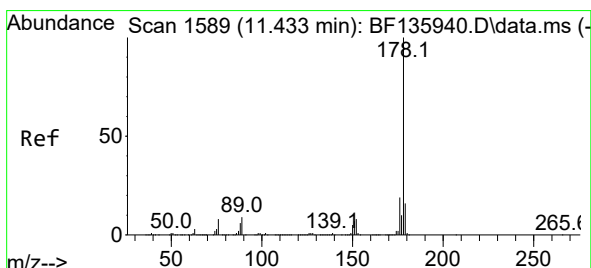
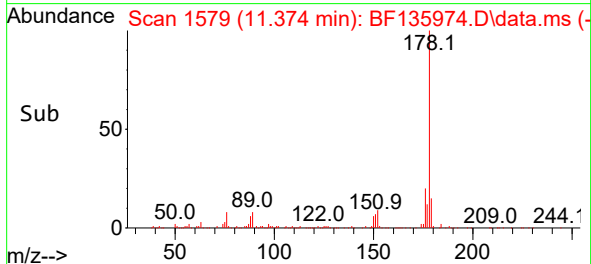
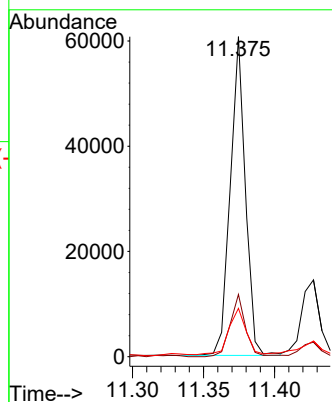
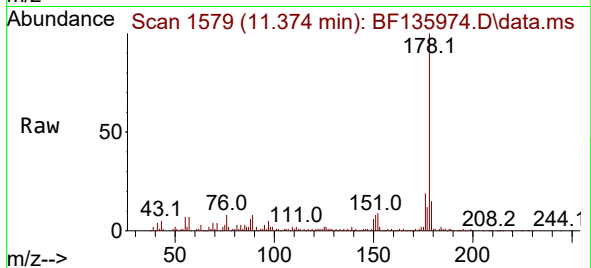
Tgt Ion:178 Resp: 44658

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.1 12.5 18.7



#72

Anthracene

Concen: 2.080 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.059 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

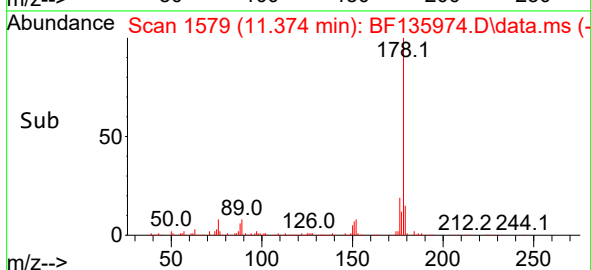
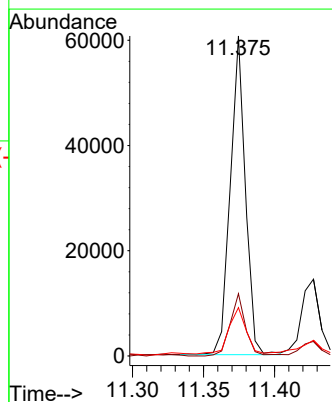
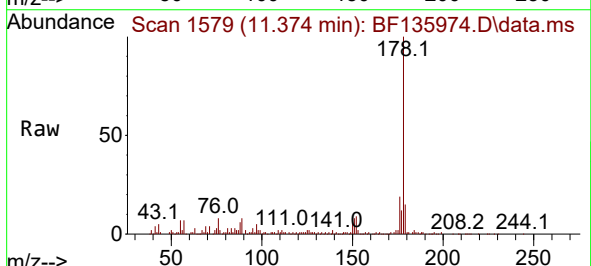
Tgt Ion:178 Resp: 44658

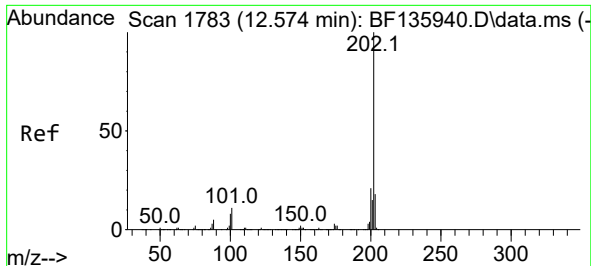
Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

179 15.1 12.5 18.7

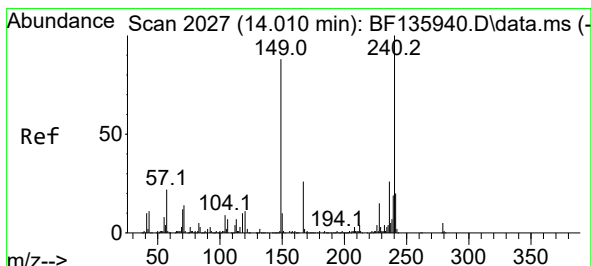
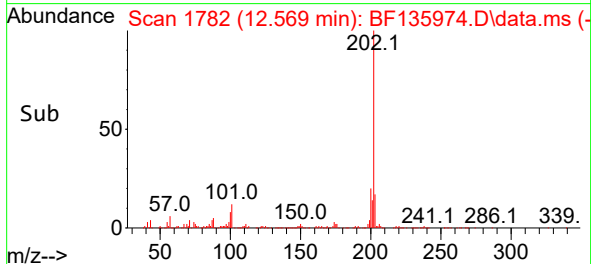
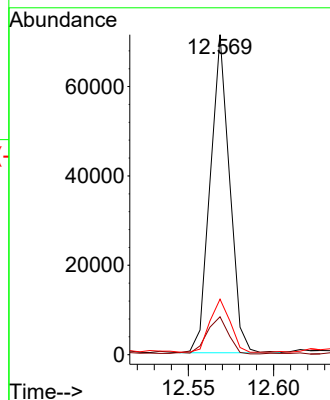
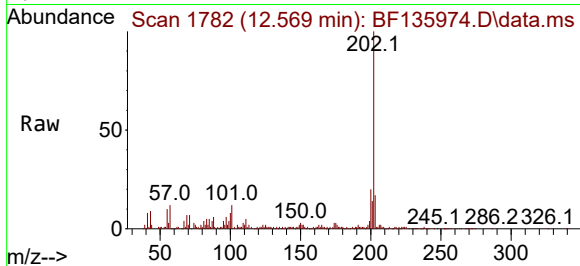




#75
Fluoranthene
Concen: 2.554 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

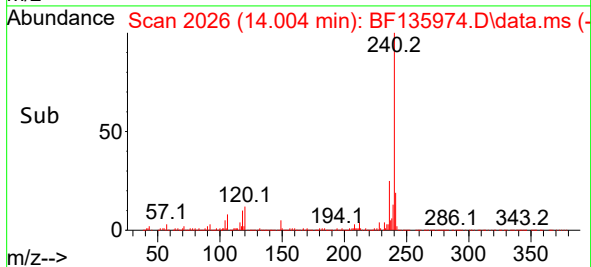
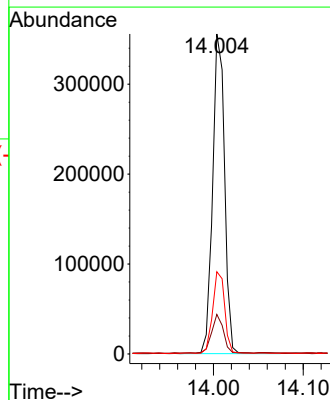
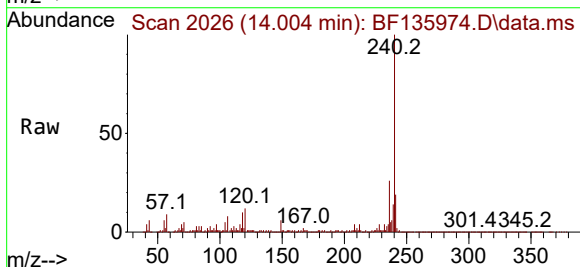
Instrument :
BNA_F
ClientSampleId :
MMFB-2

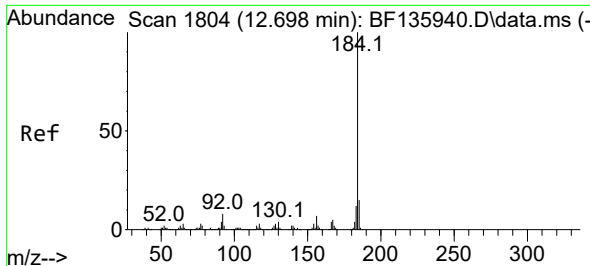
Tgt Ion:202 Resp: 56340
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.6
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:240 Resp: 328536
Ion Ratio Lower Upper
240 100
120 12.3 8.6 13.0
236 25.7 20.6 30.8

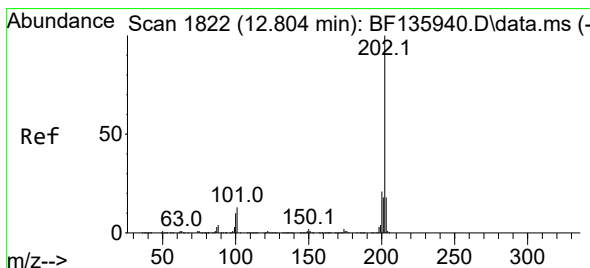
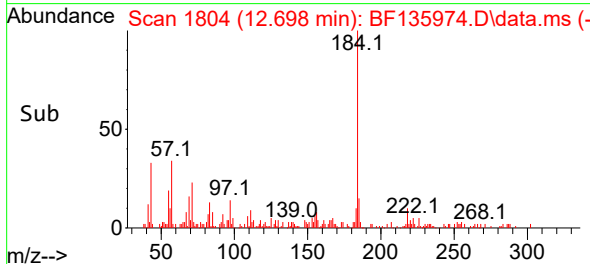
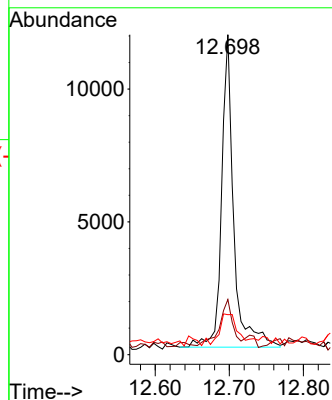
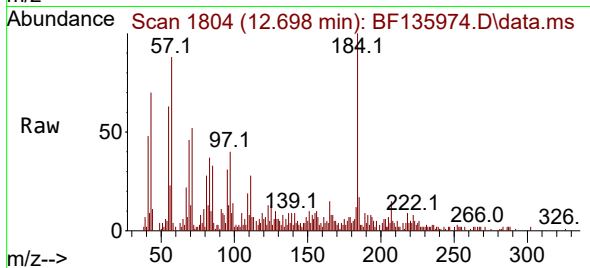




#77
Benzidine
Concen: 2.108 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

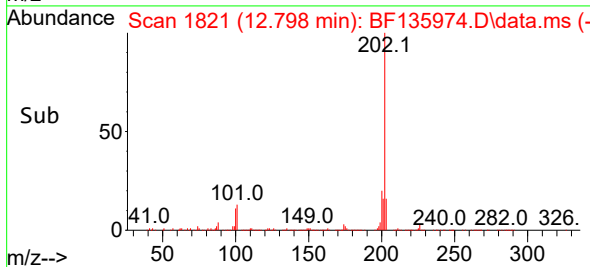
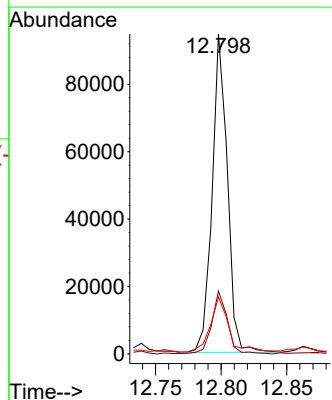
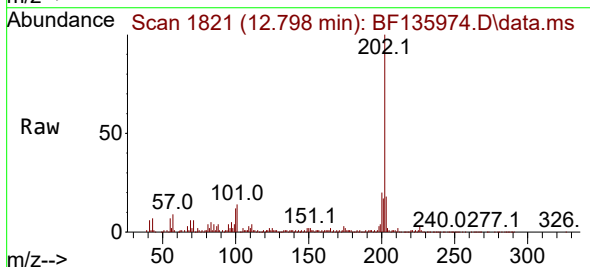
Instrument :
BNA_F
ClientSampleId :
MMFB-2

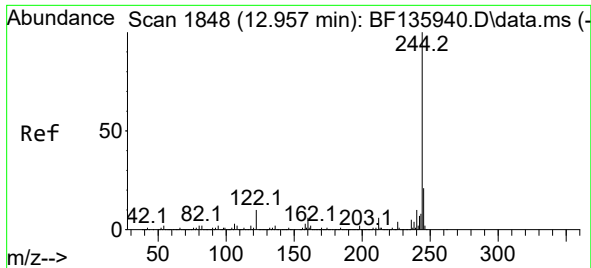
Tgt Ion:184	Resp:	13352
Ion Ratio	Lower	Upper
184	100	
185	17.2	11.7 17.5
183	12.5	9.2 13.8



#78
Pyrene
Concen: 2.763 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:202	Resp:	76226
Ion Ratio	Lower	Upper
202	100	
200	19.7	17.0 25.6
203	17.8	14.5 21.7

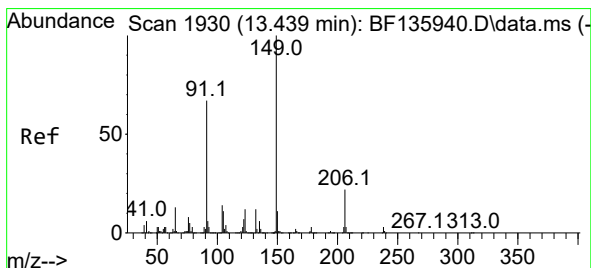
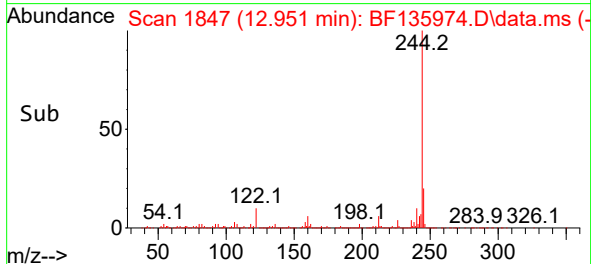
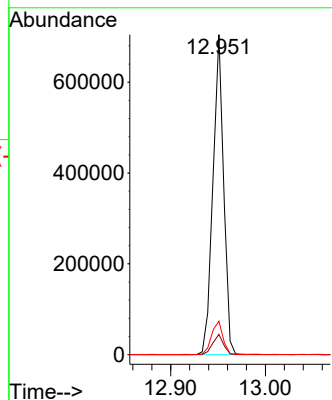
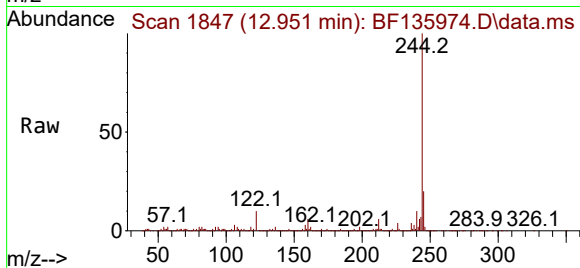




#79
 Terphenyl-d14
 Concen: 28.066 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135974.D
 Acq: 26 Oct 2023 20:56

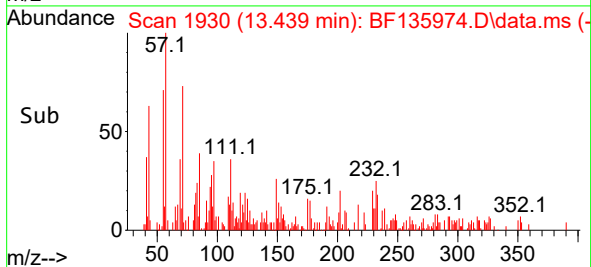
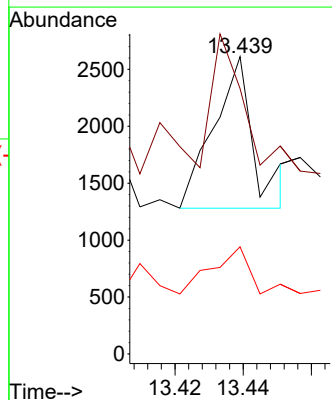
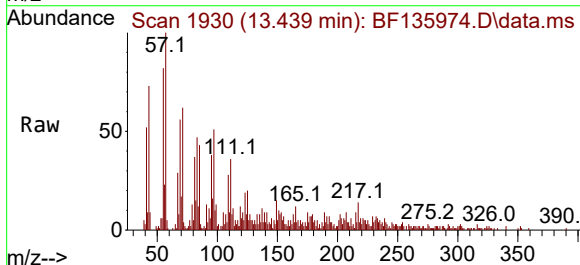
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-2

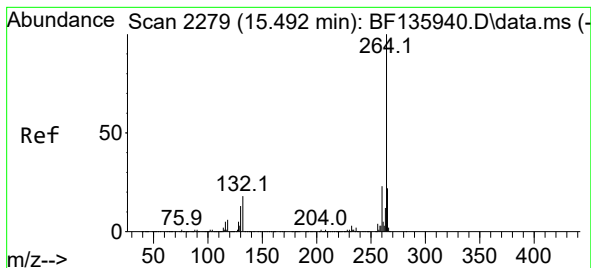
Tgt Ion:244 Resp: 551880
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 10.5 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.924 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. 0.000 min
 Lab File: BF135974.D
 Acq: 26 Oct 2023 20:56

Tgt Ion:149 Resp: 1103
 Ion Ratio Lower Upper
 149 100
 91 89.3 53.4 80.0#
 206 36.1 17.5 26.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

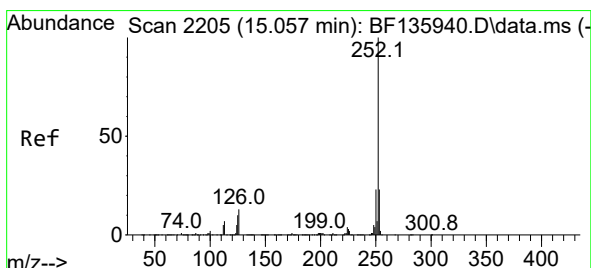
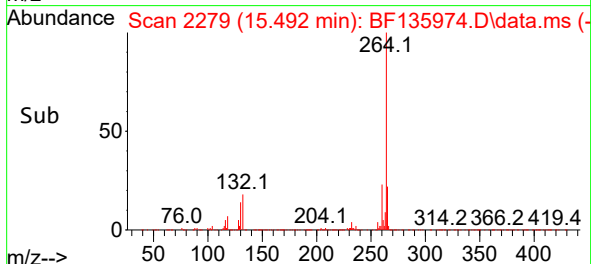
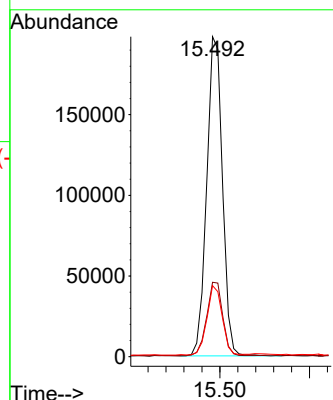
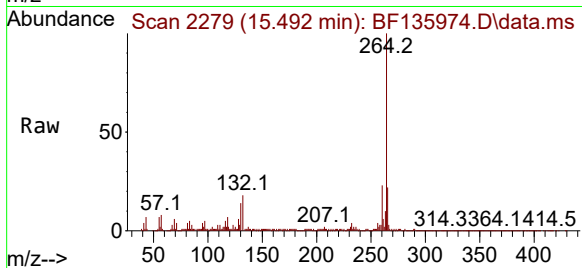
Tgt Ion:264 Resp: 240591

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.2 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 2.066 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

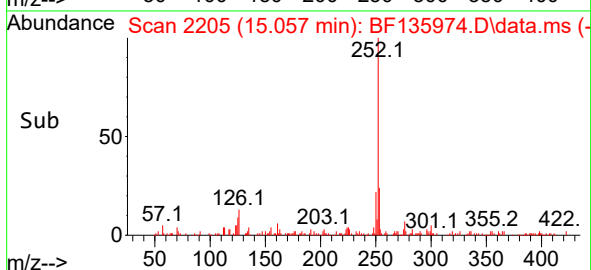
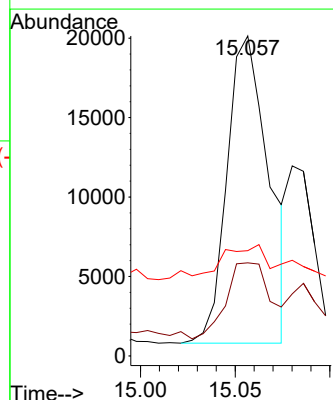
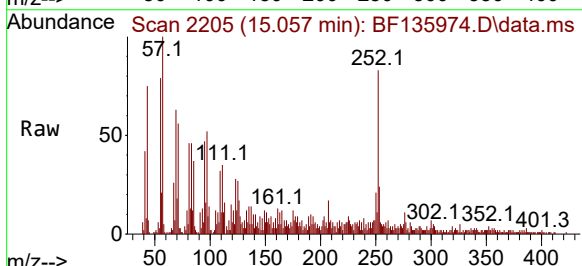
Tgt Ion:252 Resp: 29585

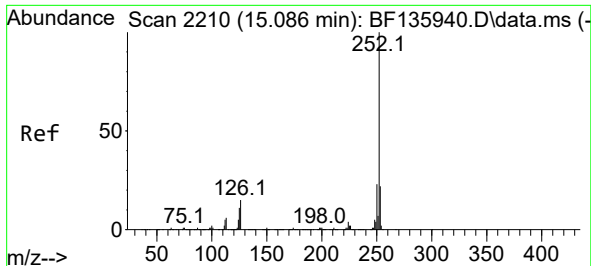
Ion Ratio Lower Upper

252 100

253 29.1 18.0 27.0#

125 32.9 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 2.104 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

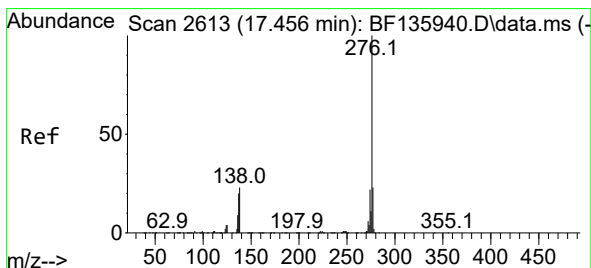
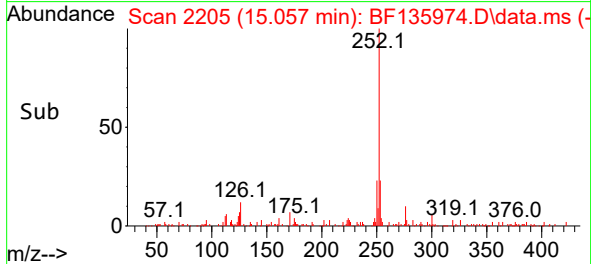
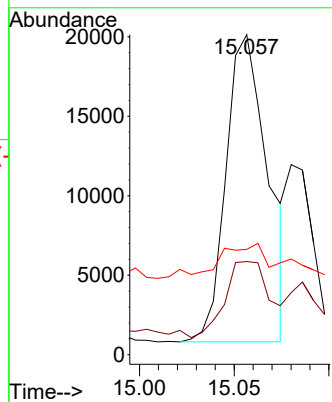
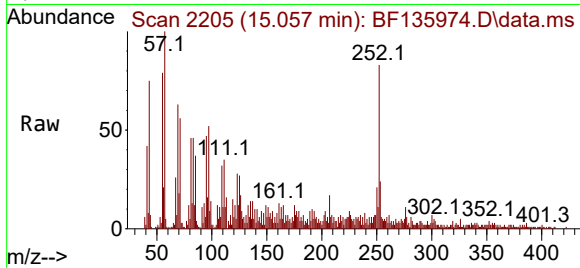
Tgt Ion:252 Resp: 29585

Ion Ratio Lower Upper

252 100

253 29.1 17.7 26.5#

125 32.9 8.5 12.7#



#92

Benzo(g,h,i)perylene

Concen: 4.616 ng

RT: 17.456 min Scan# 2613

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Tgt Ion:276 Resp: 12353

Ion Ratio Lower Upper

276 100

277 31.3 18.6 28.0#

138 35.0 18.4 27.6#

