

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135965.D
 Acq On : 26 Oct 2023 16:04
 Operator : CG\JU
 Sample : 05039-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4

Quant Time: Oct 26 16:26:42 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)

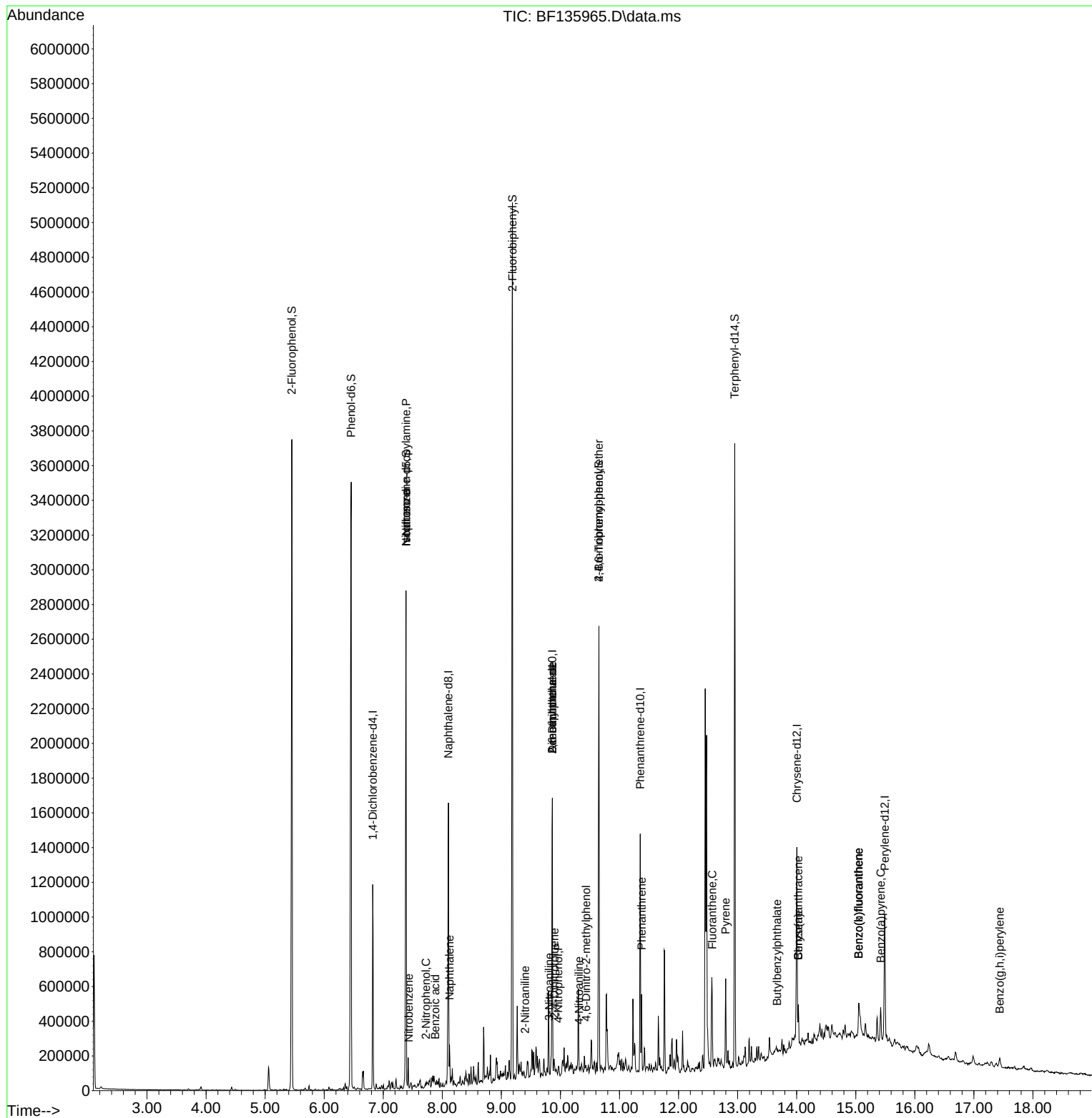
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	160394	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	628793	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	301485	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	457893	20.000	ng	0.00
76) Chrysene-d12	14.004	240	321722	20.000	ng	0.00
86) Perylene-d12	15.492	264	338037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1143470	110.086	ng	0.00
7) Phenol-d6	6.457	99	1427302	110.374	ng	0.00
23) Nitrobenzene-d5	7.386	82	820036	84.307	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	300970	114.052	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1510874	80.246	ng	0.00
79) Terphenyl-d14	12.951	244	1241950	64.497	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	110767	15.063	ng	# 77
24) Nitrobenzene	7.434	77	420	2.620	ng	# 36
25) Isophorone	7.386	82	817573	41.135	ng	# 64
26) 2-Nitrophenol	7.722	139	77	3.115	ng	# 1
31) Naphthalene	8.122	128	74495	2.450	ng	# 98
32) Benzoic acid	7.881	122	314	5.827	ng	# 1
48) 2-Nitroaniline	9.404	65	179	4.250	ng	# 59
50) Dimethylphthalate	9.863	163	63801	3.263	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	43310	14.465	ng	# 21
53) 3-Nitroaniline	9.810	138	409	4.638	ng	# 48
56) 4-Nitrophenol	9.963	139	961	6.409	ng	# 30
57) 2,4-Dinitrotoluene	9.898	165	1570	6.103	ng	# 56
62) 4-Nitroaniline	10.316	138	1128	4.862	ng	# 95
65) 4,6-Dinitro-2-methylph...	10.433	198	54	6.961	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	18120	3.864	ng	# 1
71) Phenanthrene	11.374	178	141599	6.112	ng	# 98
75) Fluoranthene	12.568	202	137954	5.660	ng	# 98
78) Pyrene	12.798	202	196138	7.261	ng	# 98
80) Butylbenzylphthalate	13.668	149	1082	3.924	ng	# 93
81) Benzo(a)anthracene	14.027	228	92898	4.247	ng	# 95
83) Chrysene	14.027	228	92898	4.360	ng	# 98
88) Benzo(b)fluoranthene	15.051	252	140271	6.973	ng	# 94
89) Benzo(k)fluoranthene	15.051	252	140271	7.100	ng	# 93
90) Benzo(a)pyrene	15.421	252	86876	4.686	ng	# 95
92) Benzo(g,h,i)perylene	17.439	276	36857	5.580	ng	# 88

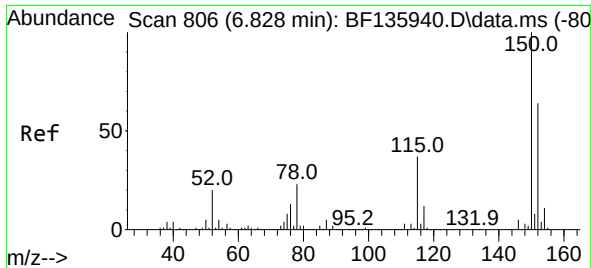
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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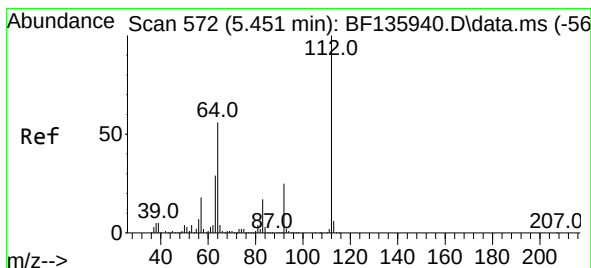
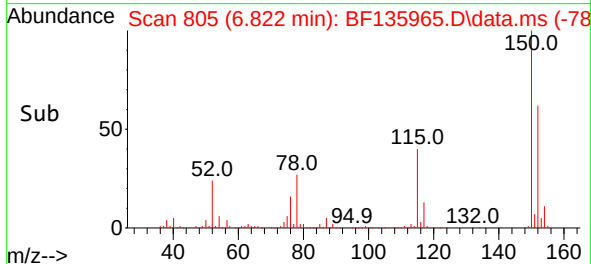
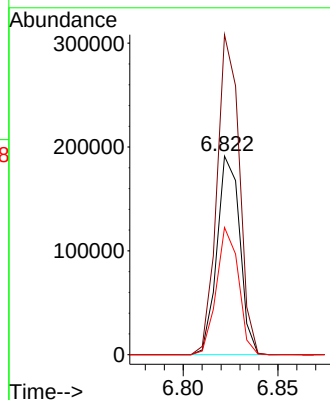
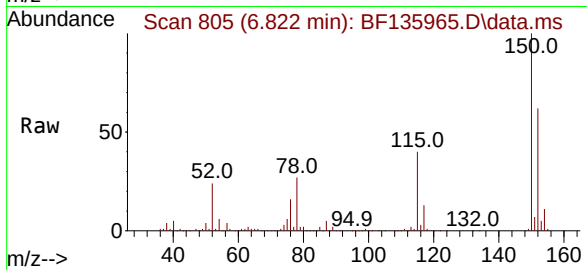




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

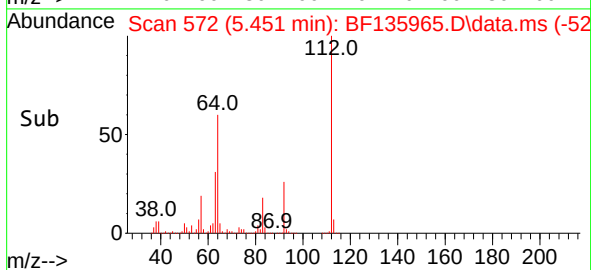
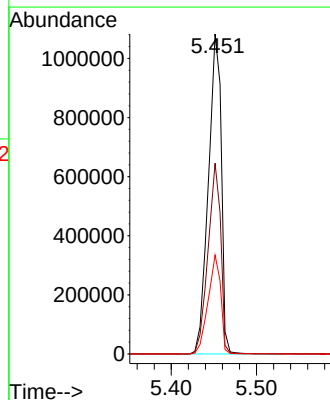
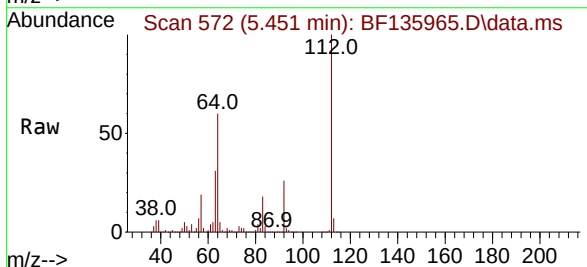
Instrument :
BNA_F
ClientSampleId :
MMFB-4

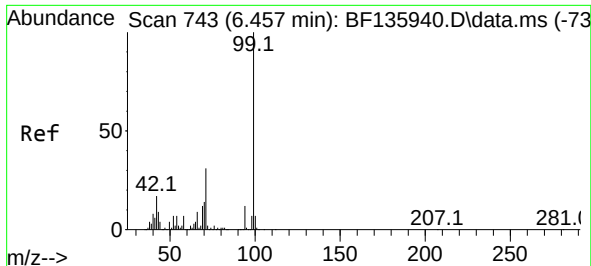
Tgt Ion:152 Resp: 160394
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 64.0 46.6 69.8



#5
2-Fluorophenol
Concen: 110.086 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:112 Resp: 1143470
Ion Ratio Lower Upper
112 100
64 59.6 45.1 67.7
63 30.9 23.0 34.4



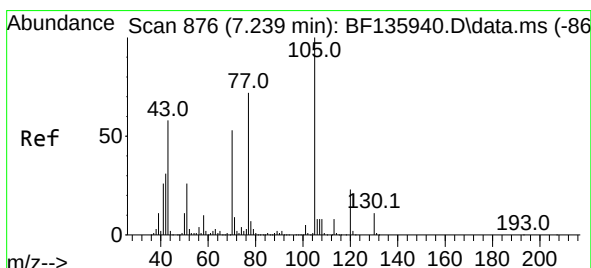
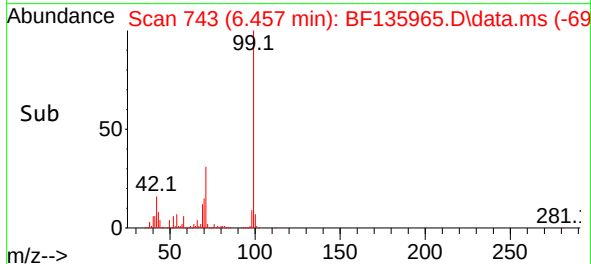
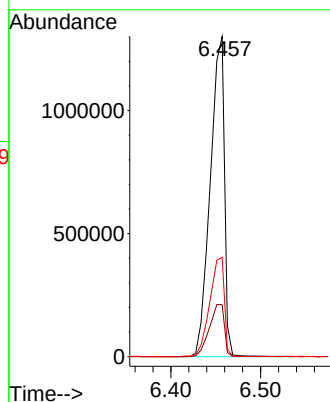
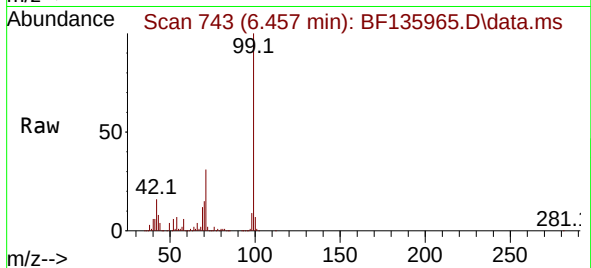


#7
Phenol-d6
Concen: 110.374 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Instrument :
BNA_F
ClientSampleId :
MMFB-4

Tgt Ion: 99 Resp: 1427302

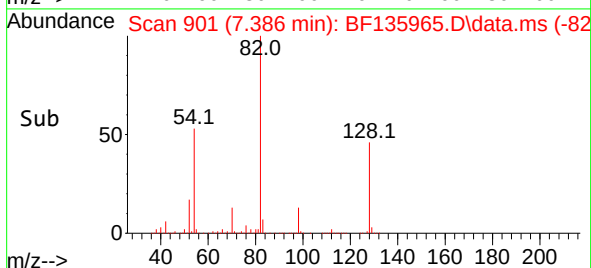
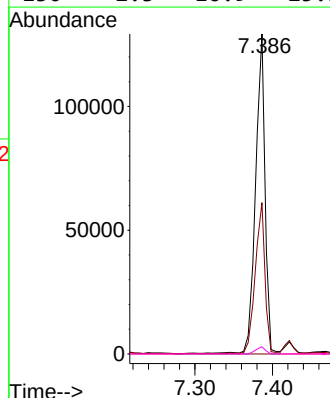
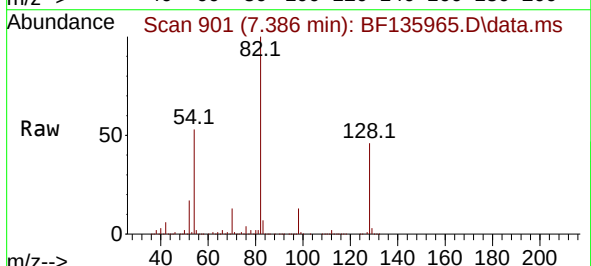
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.8	20.8
71	31.1	25.1	37.7

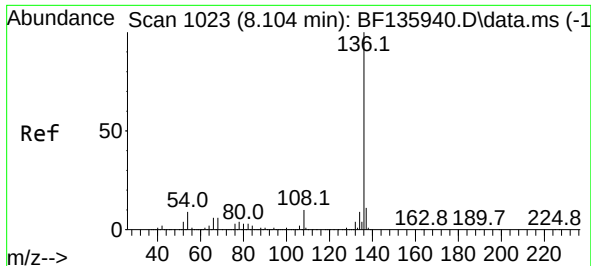


#19
n-Nitroso-di-n-propylamine
Concen: 15.063 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion: 70 Resp: 110767

Ion	Ratio	Lower	Upper
70	100		
42	47.3	47.3	70.9
101	0.0	7.8	11.8#
130	2.3	16.9	25.3#



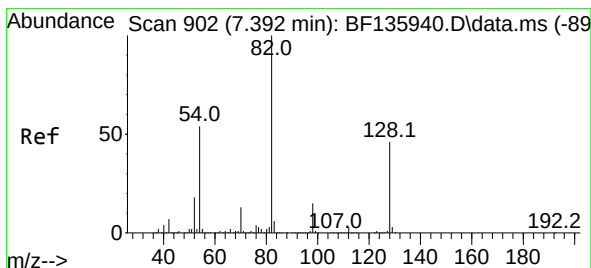
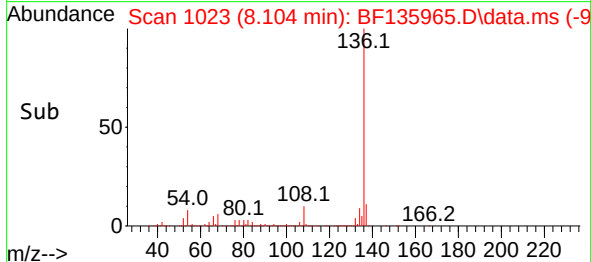
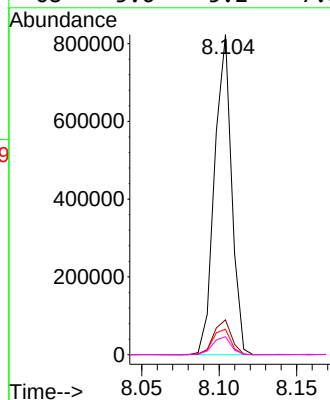
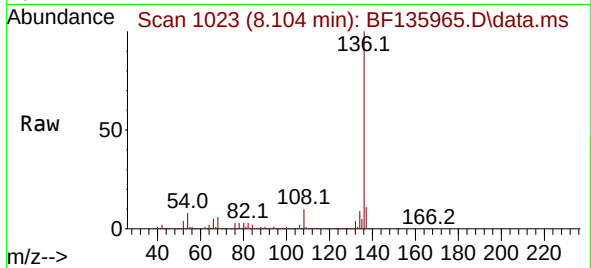


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Instrument :
BNA_F
ClientSampleId :
MMFB-4

Tgt Ion:136 Resp: 628793

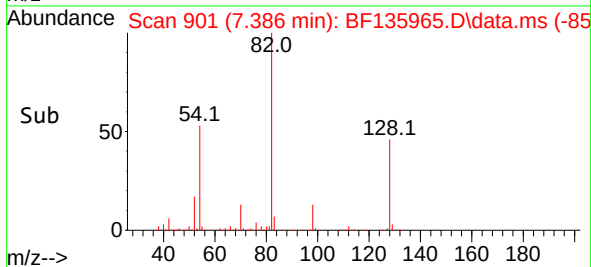
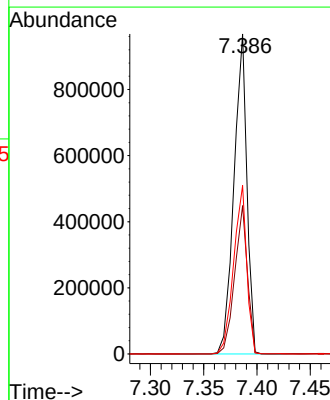
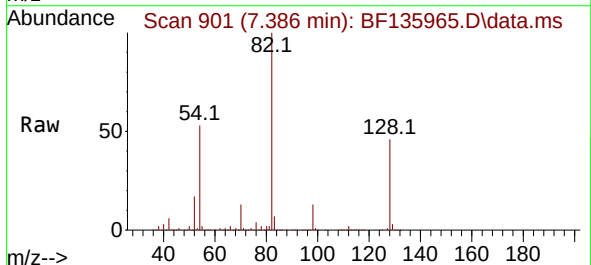
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.9	7.1	10.7
68	5.6	5.2	7.8

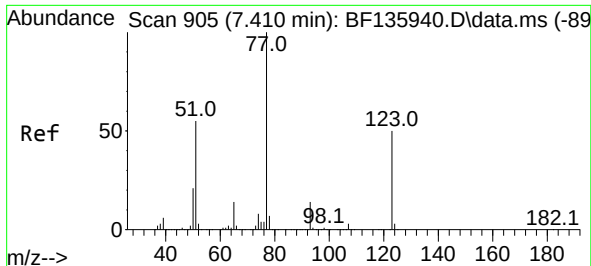


#23
Nitrobenzene-d5
Concen: 84.307 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion: 82 Resp: 820036

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.8	55.2
54	52.6	43.4	65.0

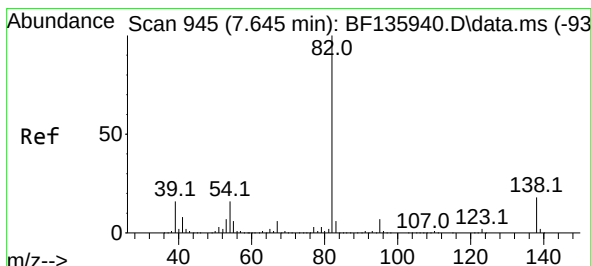
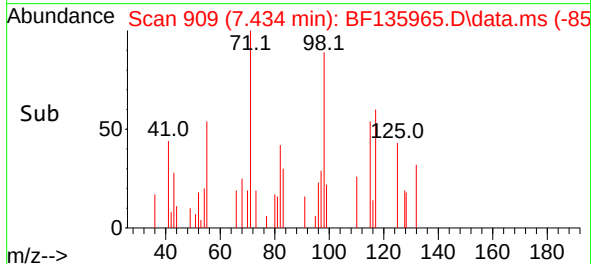
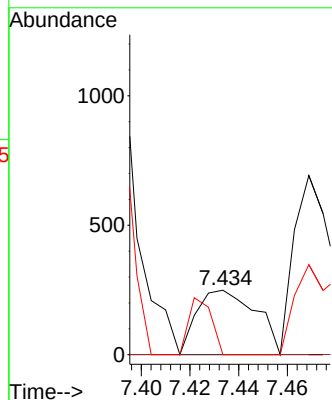
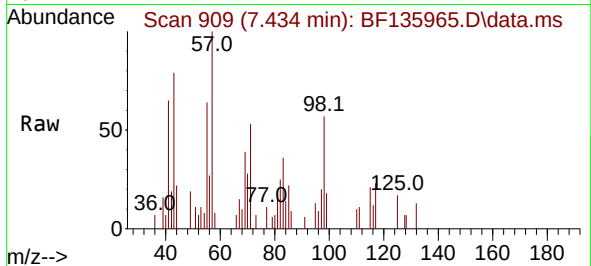




#24
Nitrobenzene
Concen: 2.620 ng
RT: 7.434 min Scan# 901
Delta R.T. 0.024 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

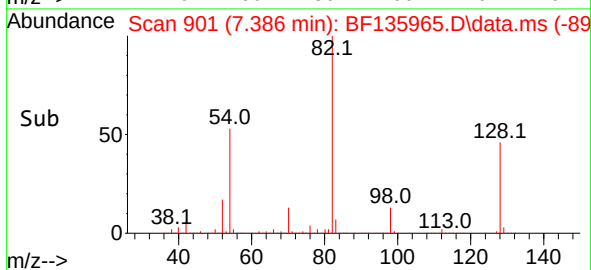
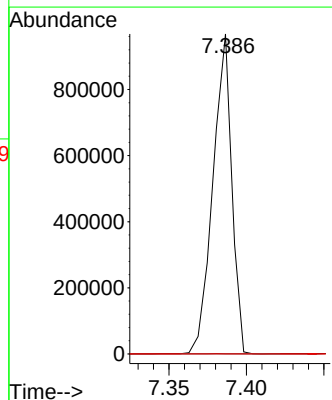
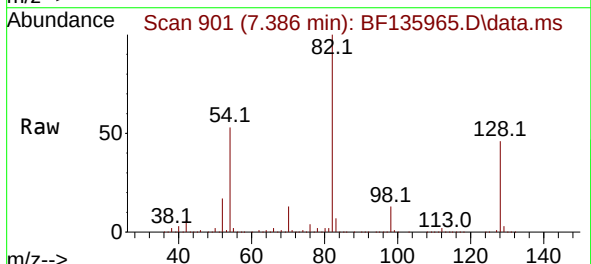
Instrument :
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ClientSampleId :
MMFB-4

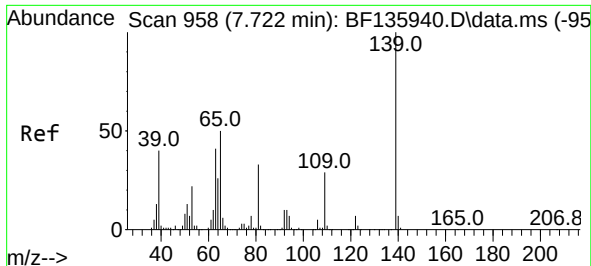
Tgt Ion: 77 Resp: 420
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 0.0 11.0 16.4#



#25
Isophorone
Concen: 41.135 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion: 82 Resp: 817573
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.8 22.2#

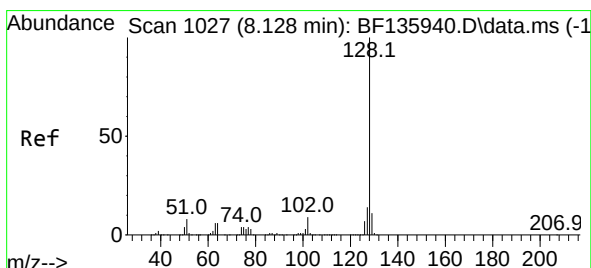
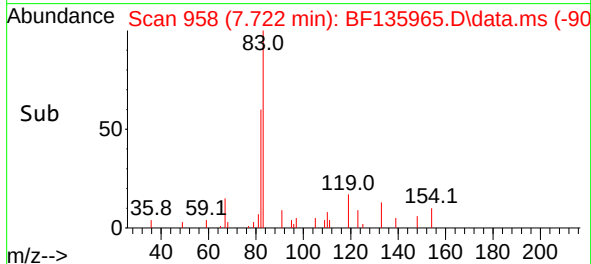
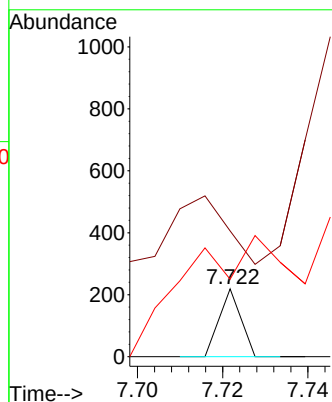
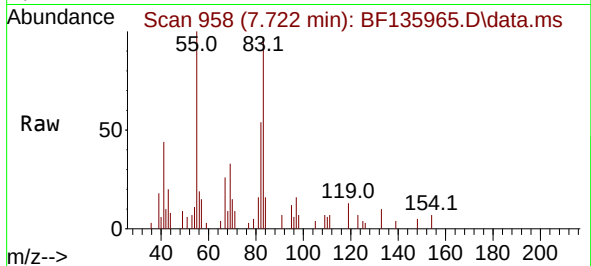




#26
2-Nitrophenol
Concen: 3.115 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

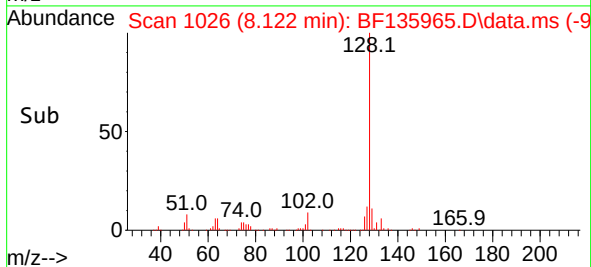
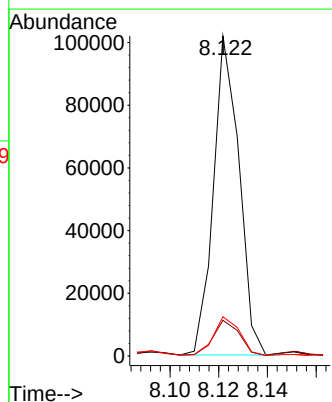
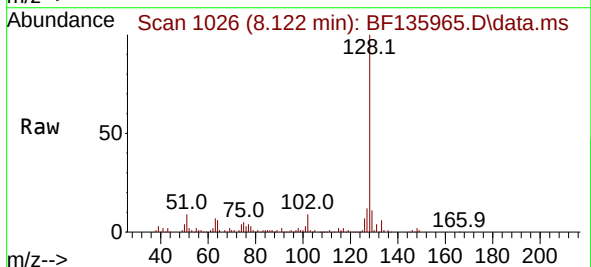
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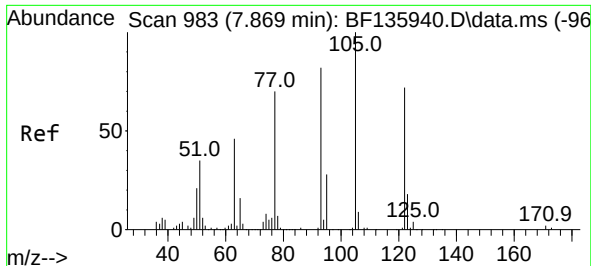
Tgt Ion:139 Resp: 77
Ion Ratio Lower Upper
139 100
109 185.4 23.1 34.7#
65 114.2 39.8 59.8#



#31
Naphthalene
Concen: 2.450 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:128 Resp: 74495
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.3 10.9 16.3

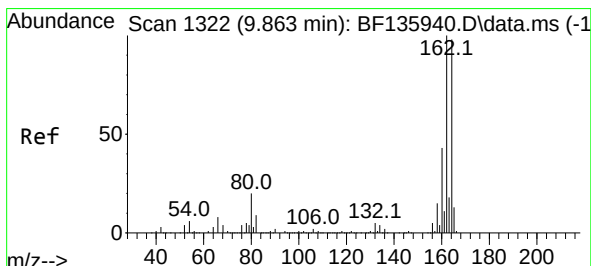
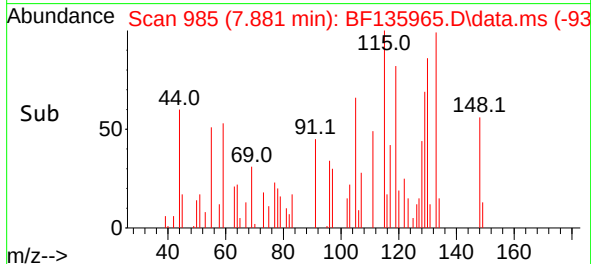
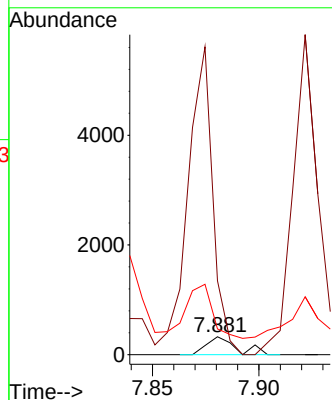
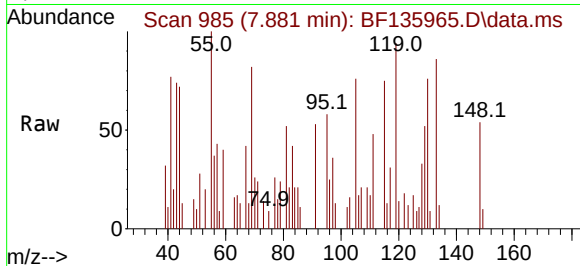




#32
Benzoic acid
Concen: 5.827 ng
RT: 7.881 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

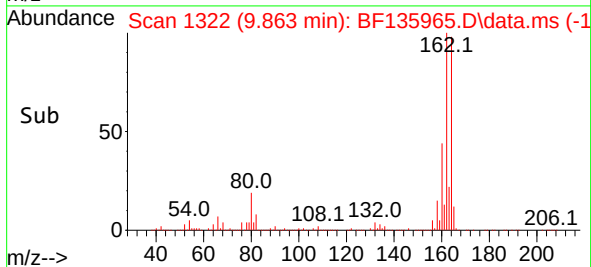
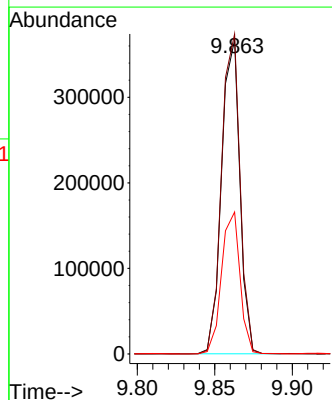
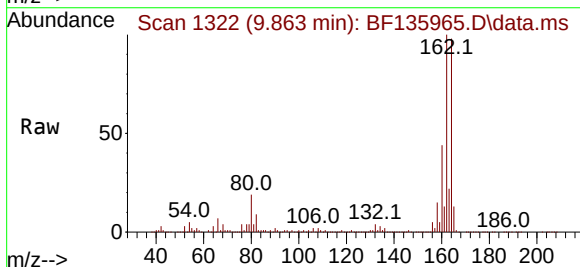
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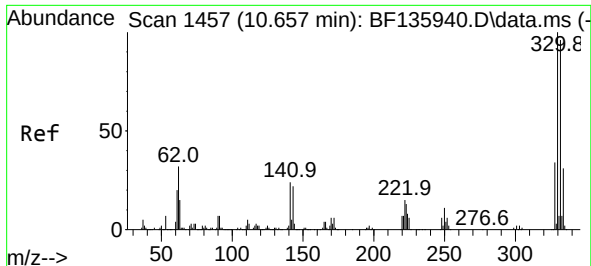
Tgt Ion:122 Resp: 314
Ion Ratio Lower Upper
122 100
105 410.7 113.1 153.1#
77 143.0 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:164 Resp: 301485
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 45.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 114.052 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

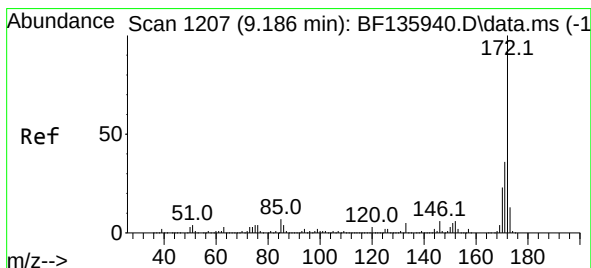
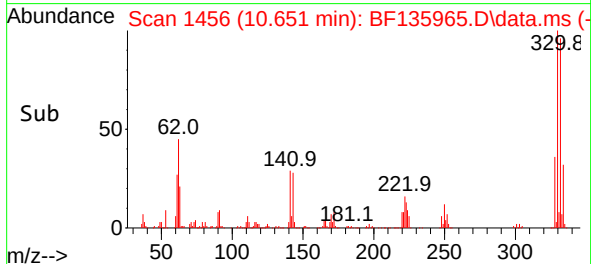
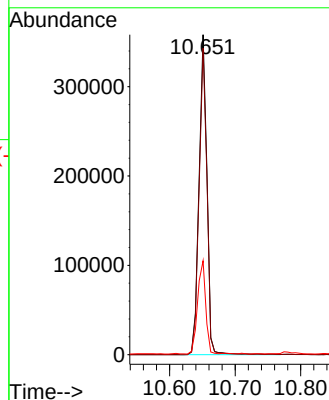
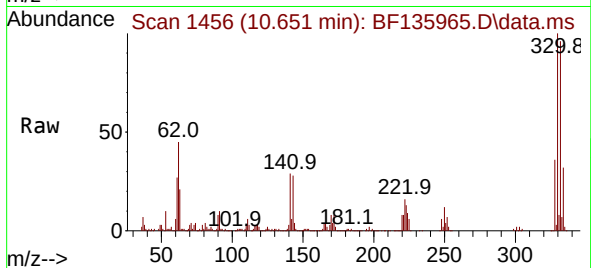
Tgt Ion:330 Resp: 300970

Ion Ratio Lower Upper

330 100

332 95.1 77.4 116.2

141 29.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 80.246 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

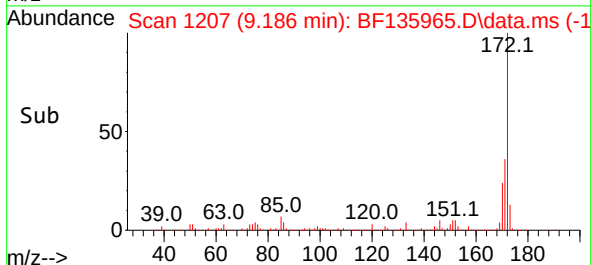
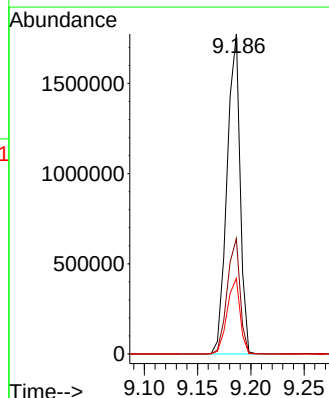
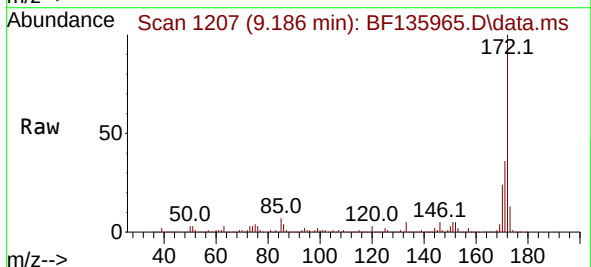
Tgt Ion:172 Resp: 1510874

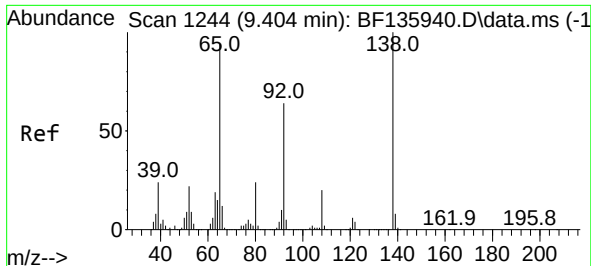
Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 23.6 18.6 28.0

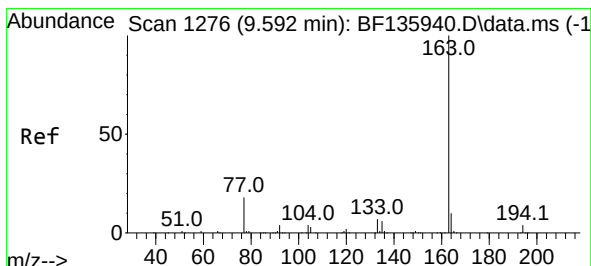
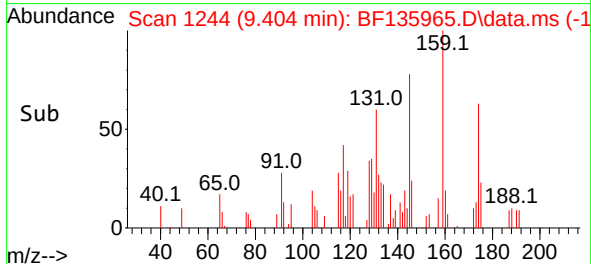
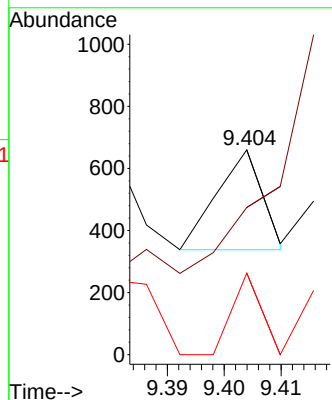
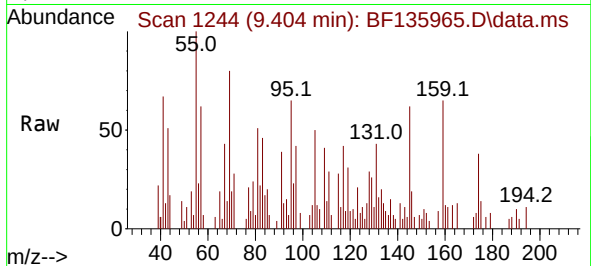




#48
2-Nitroaniline
Concen: 4.250 ng
RT: 9.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

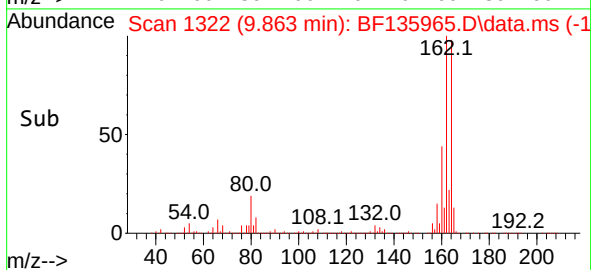
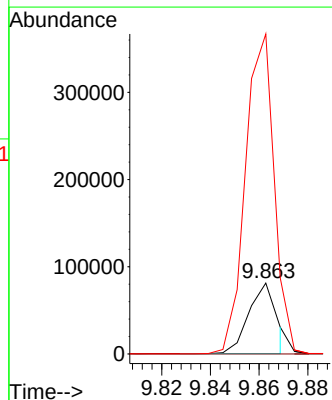
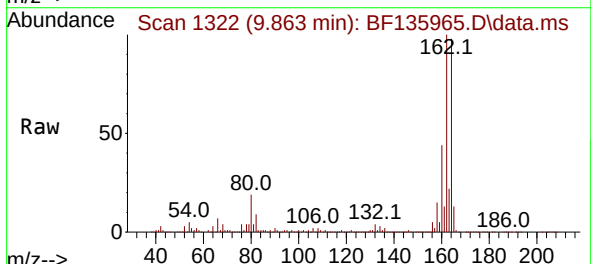
Instrument :
BNA_F
ClientSampleId :
MMFB-4

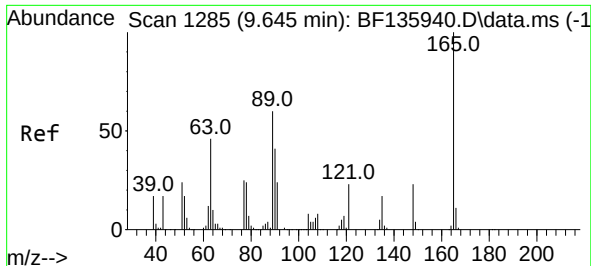
Tgt Ion: 65 Resp: 179
Ion Ratio Lower Upper
65 100
92 71.8 54.9 82.3
138 39.8 85.2 127.8#



#50
Dimethylphthalate
Concen: 3.263 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:163 Resp: 63801
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 451.1 8.3 12.5#

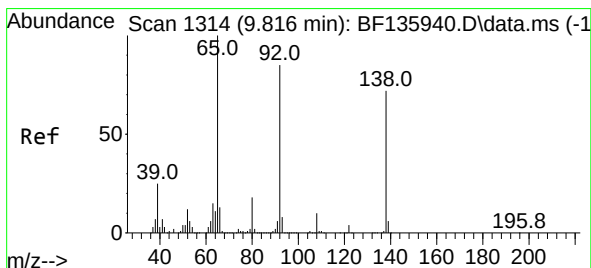
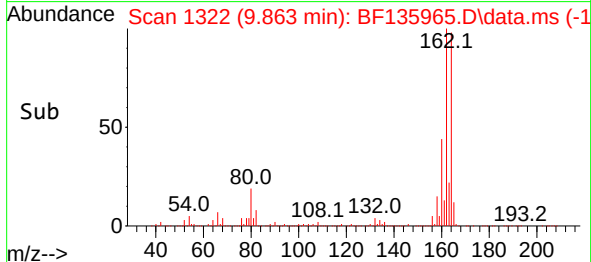
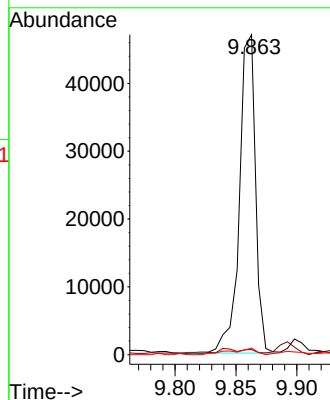
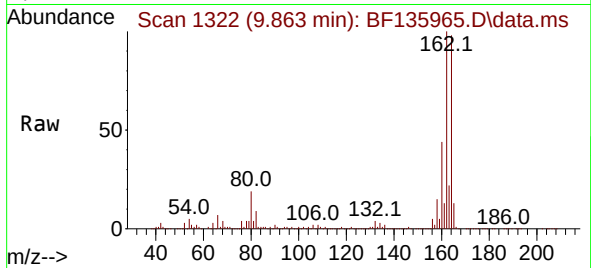




#51
2,6-Dinitrotoluene
Concen: 14.465 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

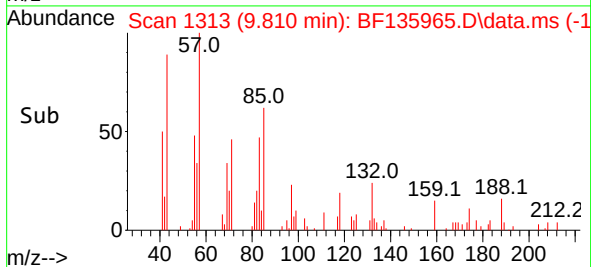
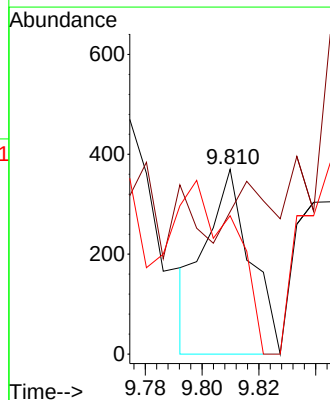
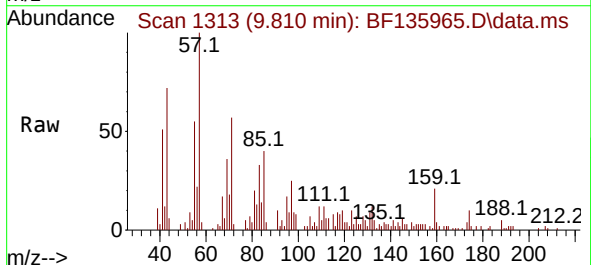
Instrument :
BNA_F
ClientSampleId :
MMFB-4

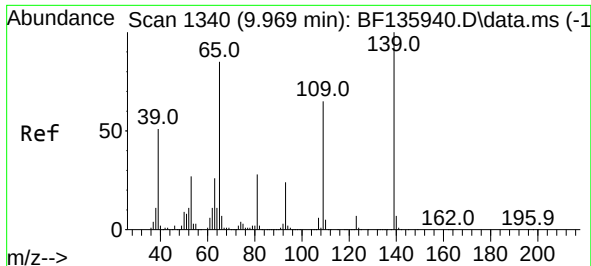
Tgt Ion:165 Resp: 43310
Ion Ratio Lower Upper
165 100
63 1.6 51.7 77.5#
89 2.0 48.3 72.5#



#53
3-Nitroaniline
Concen: 4.638 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:138 Resp: 409
Ion Ratio Lower Upper
138 100
108 77.0 11.3 16.9#
92 74.9 95.0 142.6#

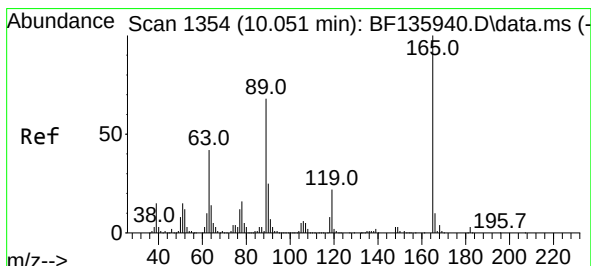
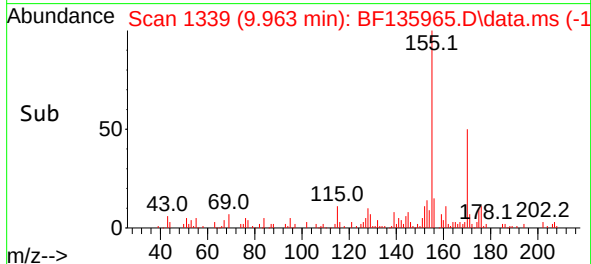
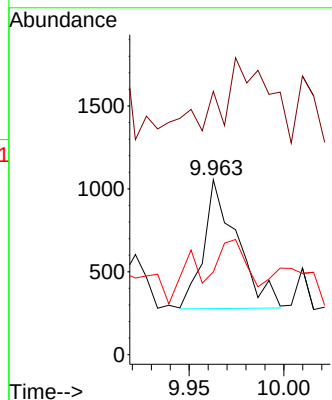
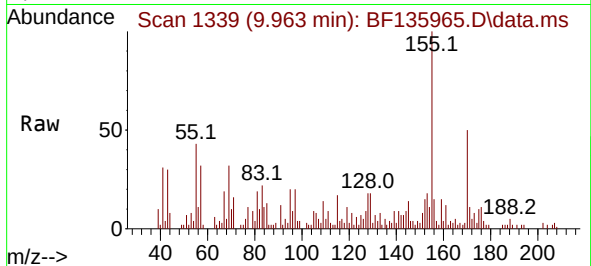




#56
4-Nitrophenol
Concen: 6.409 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

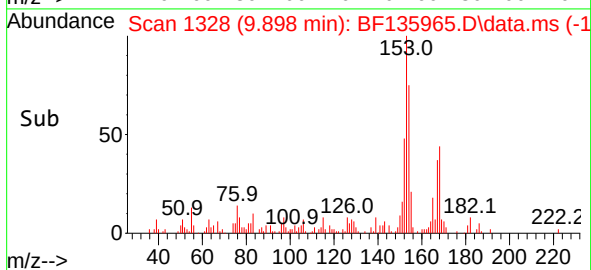
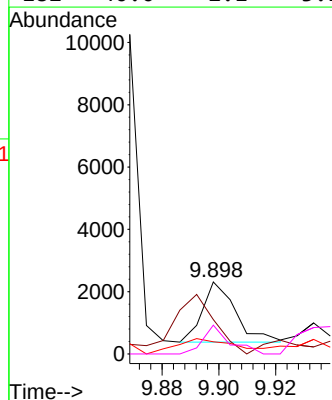
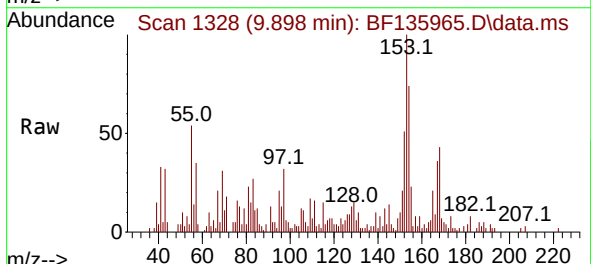
Instrument :
BNA_F
ClientSampleId :
MMFB-4

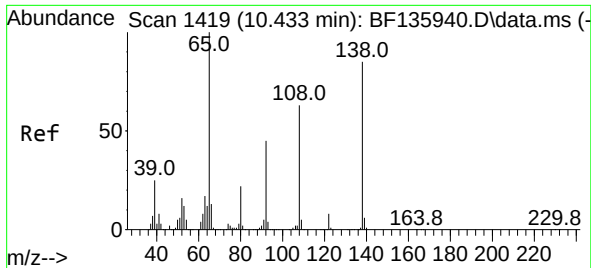
Tgt Ion:139 Resp: 961
Ion Ratio Lower Upper
139 100
109 150.5 45.2 85.2#
65 47.3 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 6.103 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.153 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:165 Resp: 1570
Ion Ratio Lower Upper
165 100
63 47.8 33.7 50.5
89 17.0 54.6 81.8#
182 40.0 2.1 3.1#

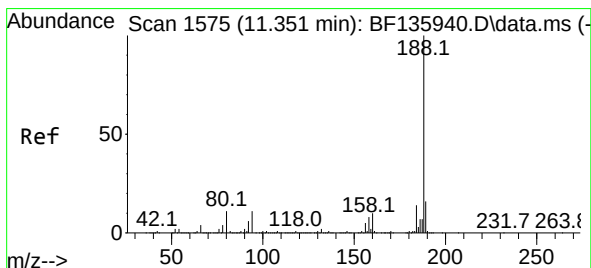
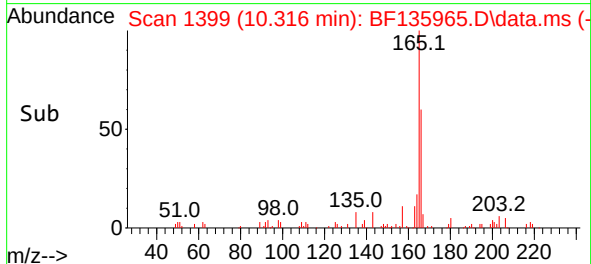
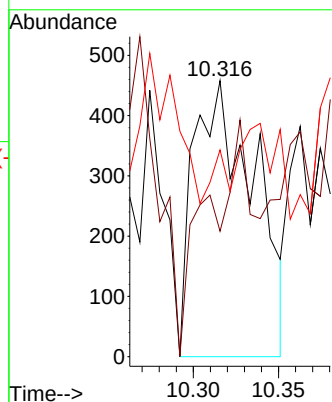
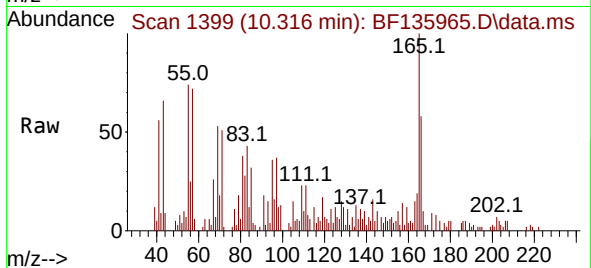




#62
4-Nitroaniline
Concen: 4.862 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.117 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

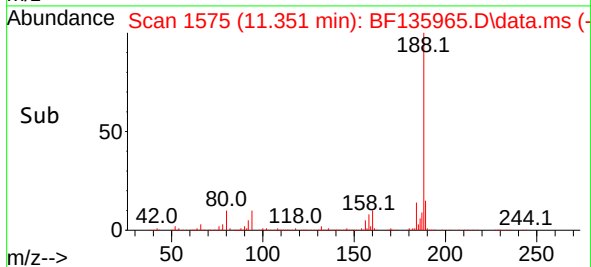
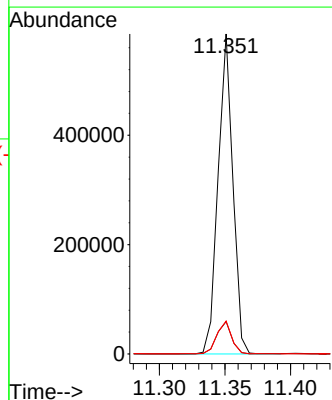
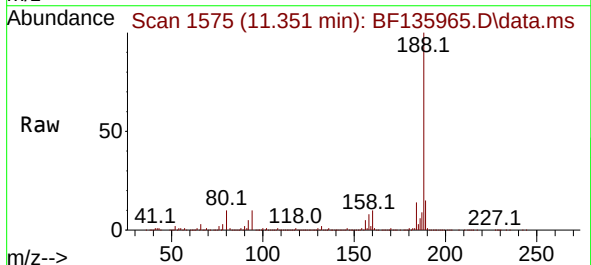
Instrument :
BNA_F
ClientSampleId :
MMFB-4

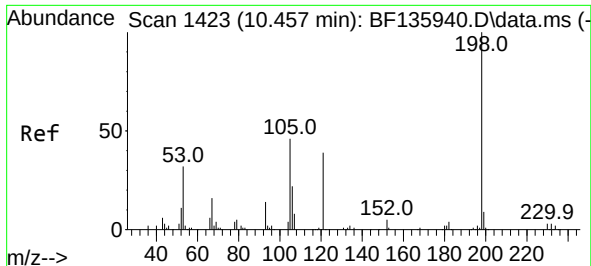
Tgt Ion:138	Resp:	1128
Ion Ratio	Lower	Upper
138	100	
92	45.4	32.9 72.9
108	74.9	53.5 93.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:188	Resp:	457893
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.6 13.0
80	10.3	9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 6.961 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.024 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

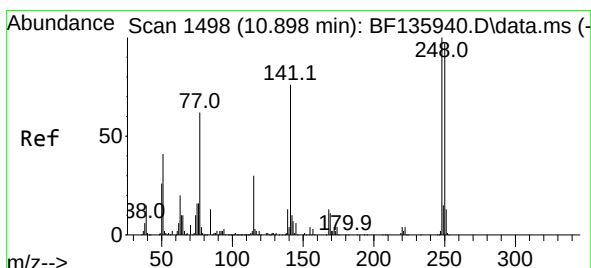
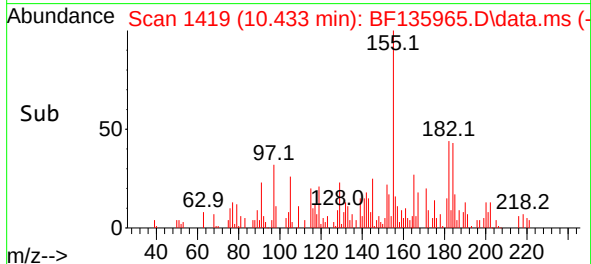
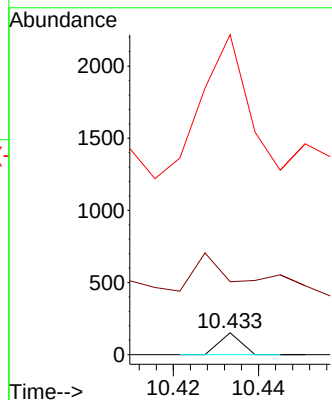
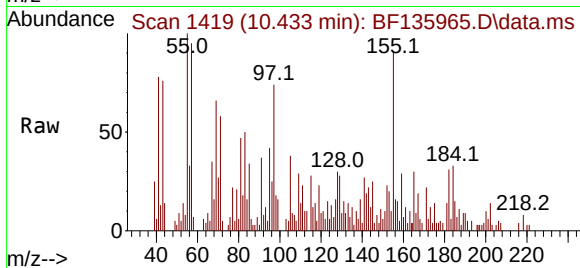
Instrument :

BNA_F

ClientSampleId :

MMFB-4

Tgt Ion:198	Resp:	54
Ion Ratio	Lower	Upper
198	100	
51	332.2	28.7 68.7#
105	1459.2	27.2 67.2#



#67

4-Bromophenyl-phenylether

Concen: 3.864 ng

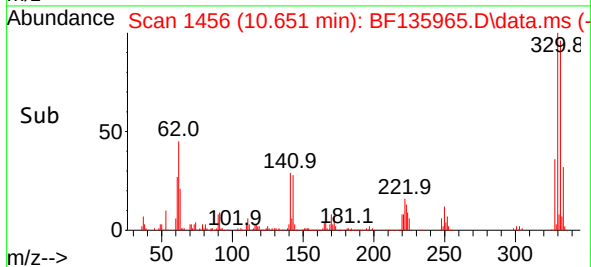
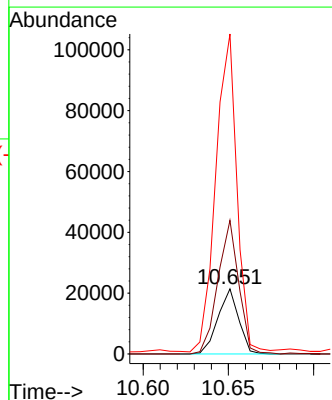
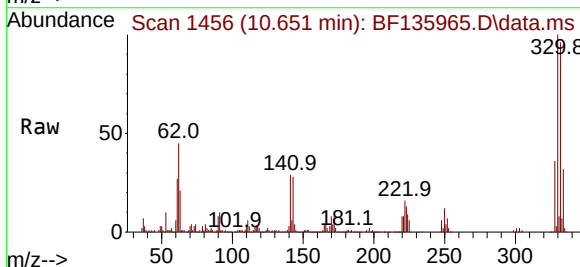
RT: 10.651 min Scan# 1456

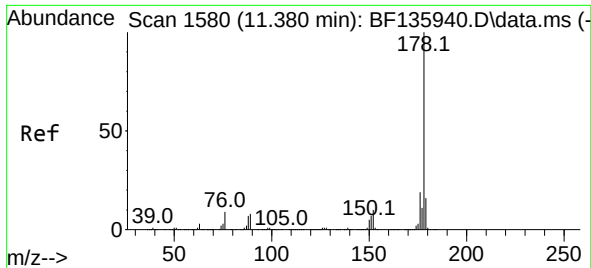
Delta R.T. -0.247 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Tgt Ion:248	Resp:	18120
Ion Ratio	Lower	Upper
248	100	
250	205.4	77.9 116.9#
141	491.7	60.8 91.2#

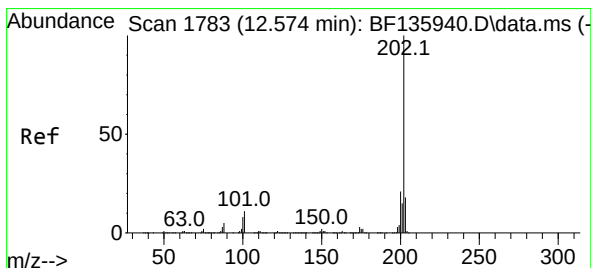
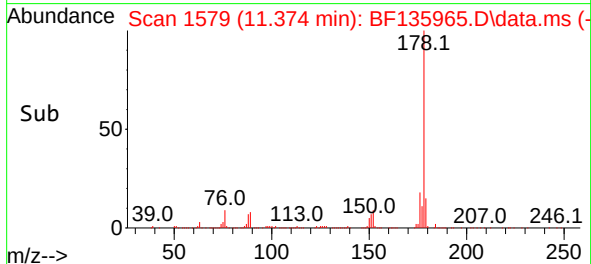
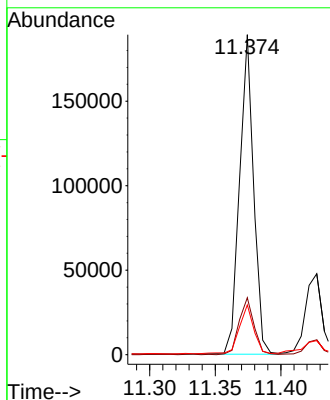
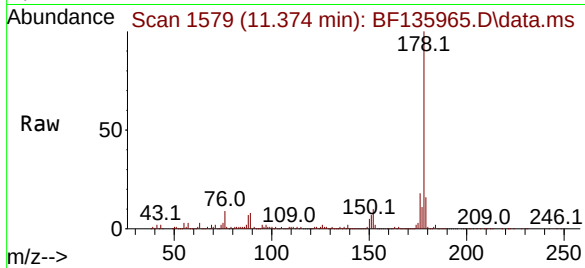




#71
Phenanthrene
Concen: 6.112 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

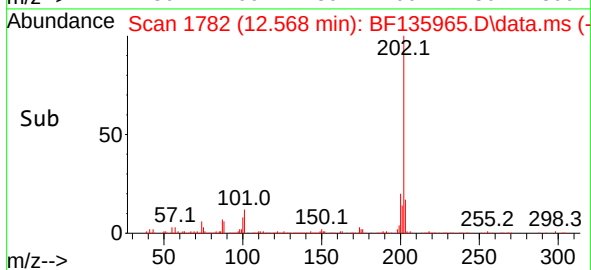
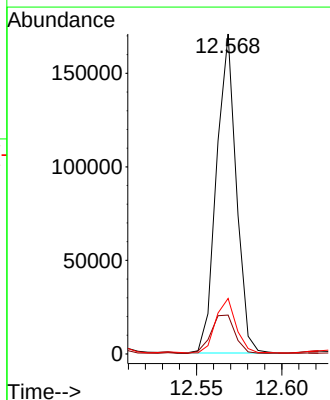
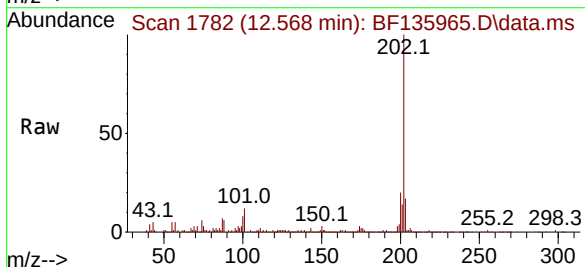
Instrument :
BNA_F
ClientSampleId :
MMFB-4

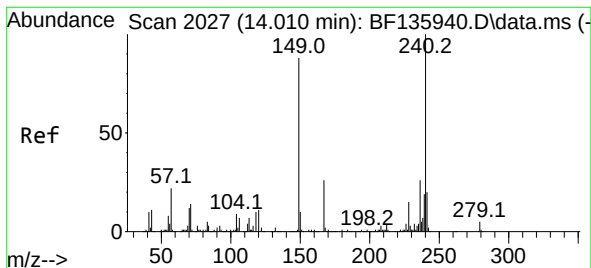
Tgt Ion:178 Resp: 141599
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 15.6 12.5 18.7



#75
Fluoranthene
Concen: 5.660 ng
RT: 12.568 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:202 Resp: 137954
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.6
203 17.4 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: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

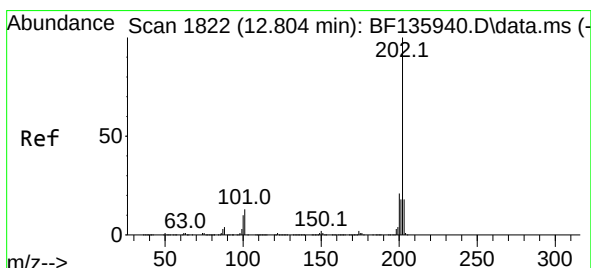
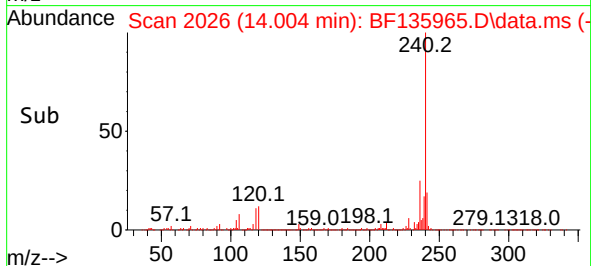
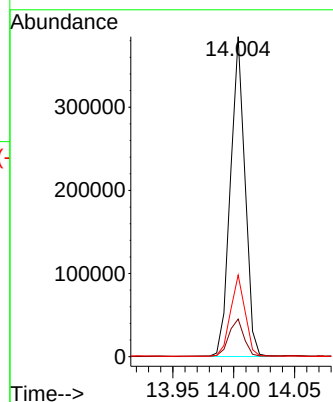
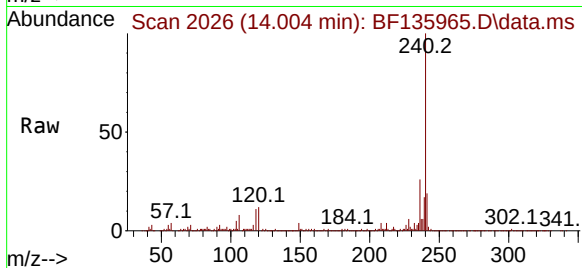
Tgt Ion:240 Resp: 321722

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

236 25.5 20.6 30.8



#78

Pyrene

Concen: 7.261 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

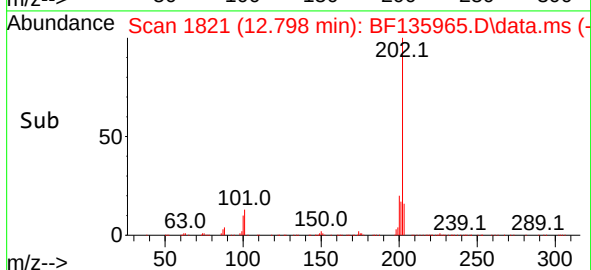
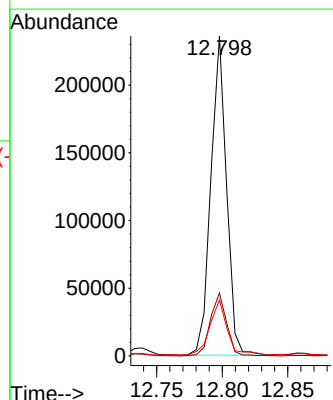
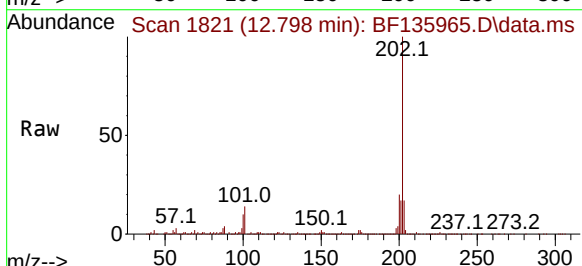
Tgt Ion:202 Resp: 196138

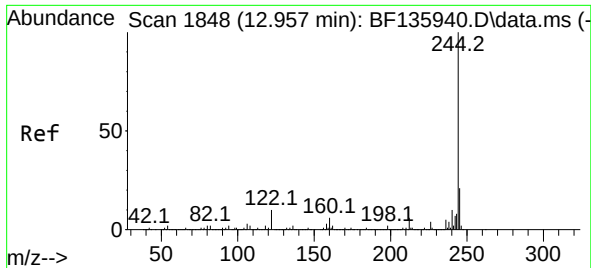
Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.6

203 17.5 14.5 21.7

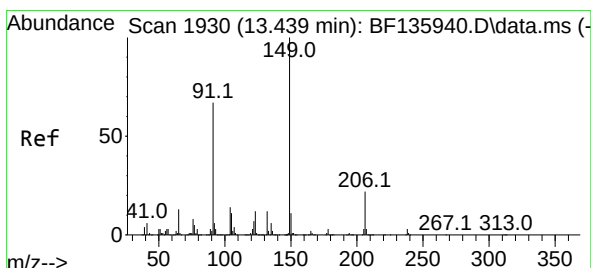
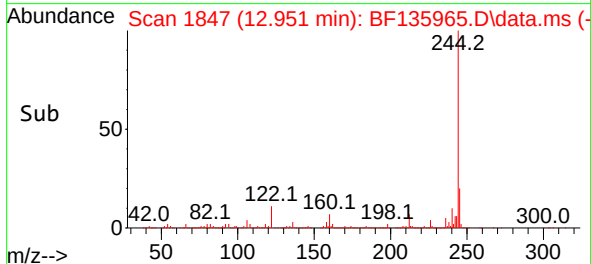
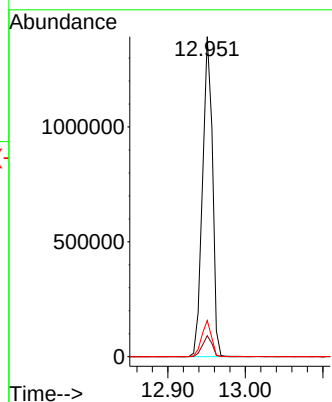
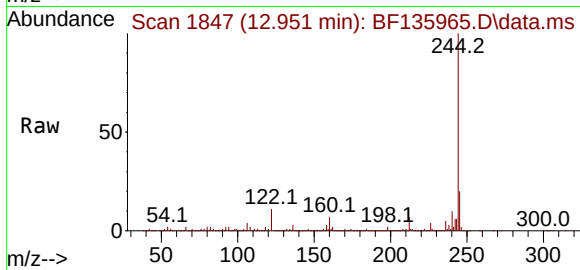




#79
 Terphenyl-d14
 Concen: 64.497 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135965.D
 Acq: 26 Oct 2023 16:04

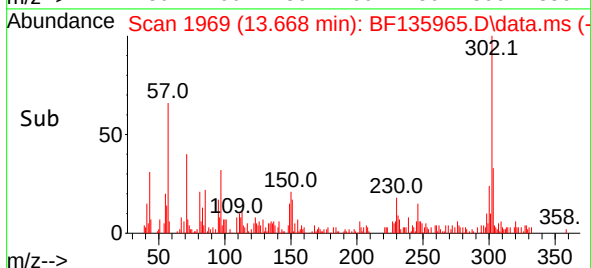
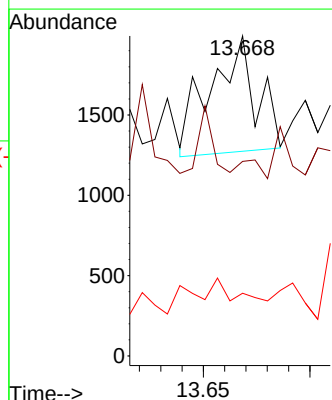
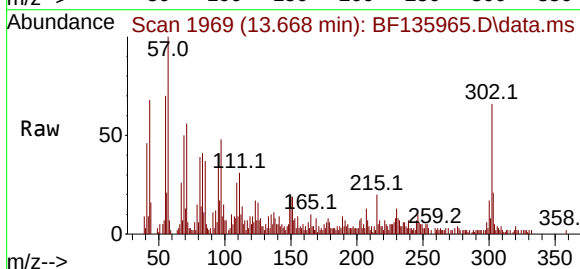
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4

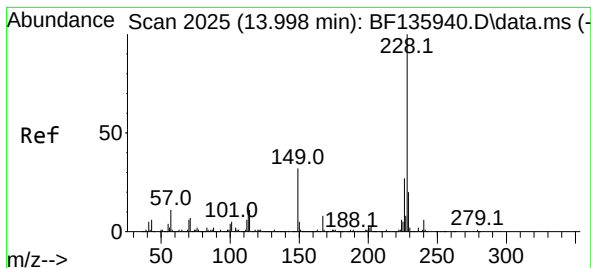
Tgt Ion:244 Resp: 1241950
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.6
 122 11.3 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.924 ng
 RT: 13.668 min Scan# 1969
 Delta R.T. 0.229 min
 Lab File: BF135965.D
 Acq: 26 Oct 2023 16:04

Tgt Ion:149 Resp: 1082
 Ion Ratio Lower Upper
 149 100
 91 60.8 53.4 80.0
 206 19.6 17.5 26.3





#81

Benzo(a)anthracene

Concen: 4.247 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.029 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

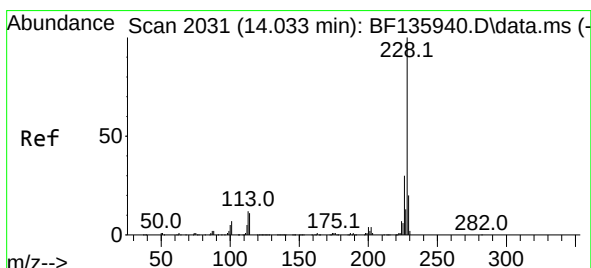
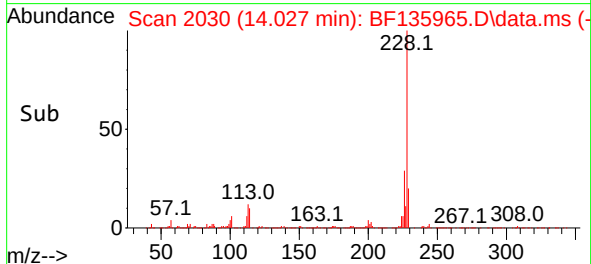
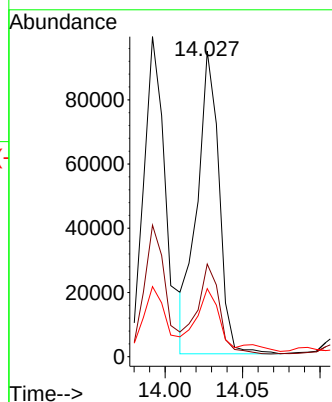
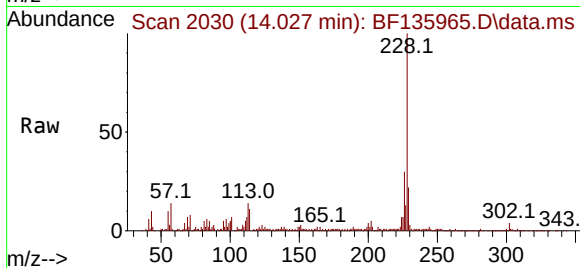
Tgt Ion:228 Resp: 92898

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

229 22.2 16.2 24.4



#83

Chrysene

Concen: 4.360 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

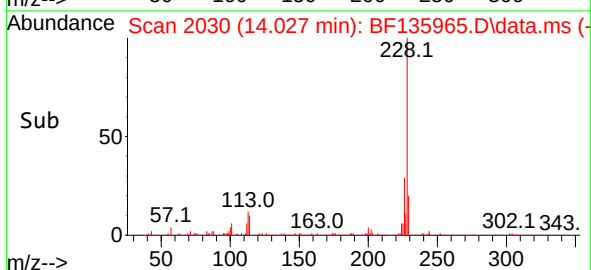
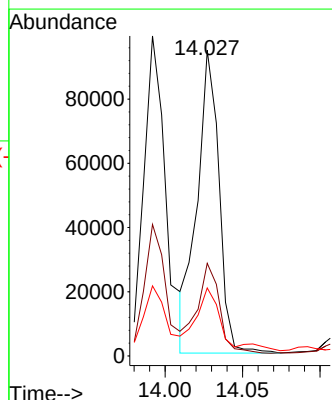
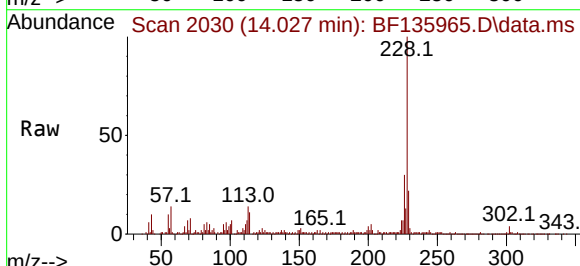
Tgt Ion:228 Resp: 92898

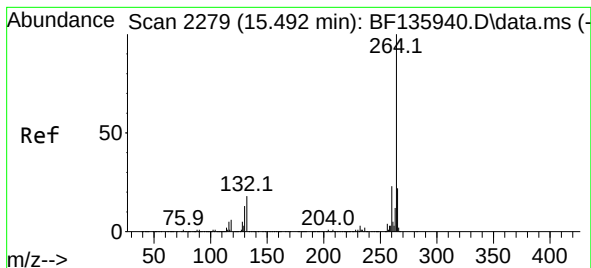
Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

229 22.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

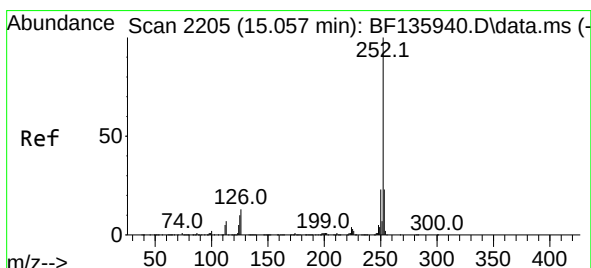
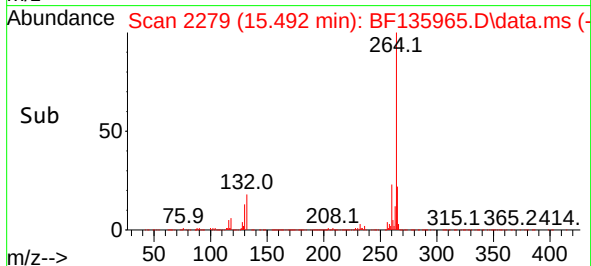
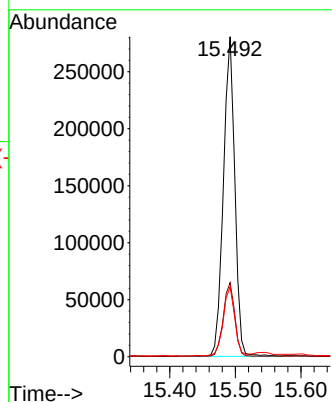
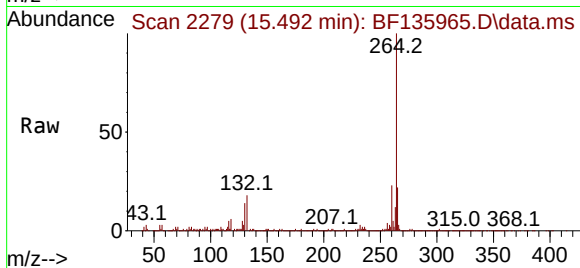
Tgt Ion:264 Resp: 338037

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.8 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 6.973 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

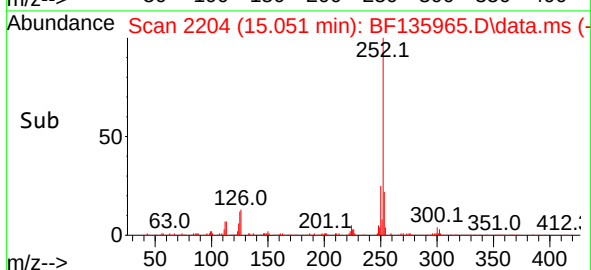
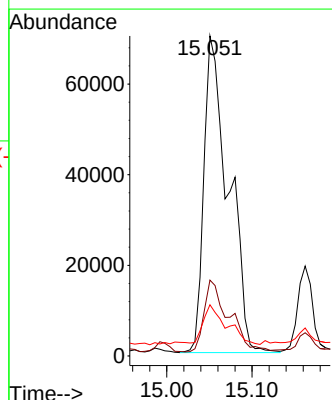
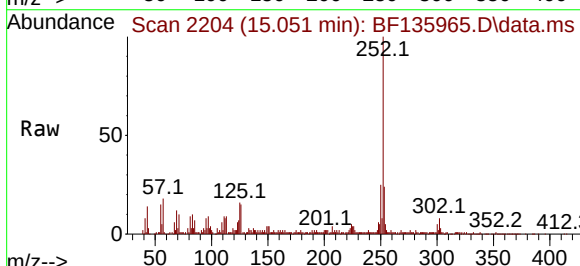
Tgt Ion:252 Resp: 140271

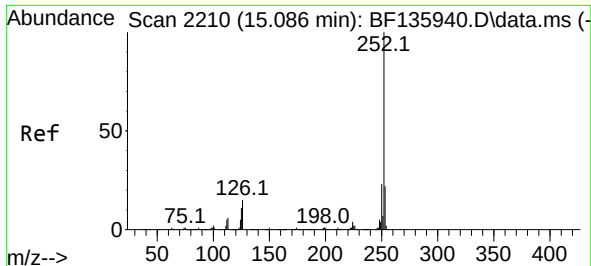
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 16.0 8.2 12.4#

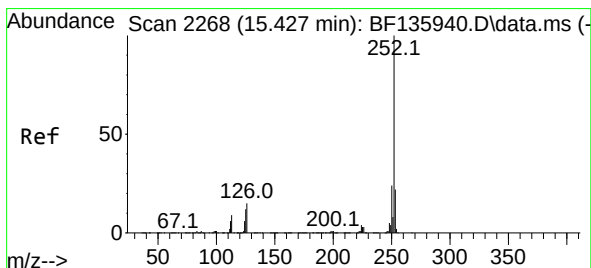
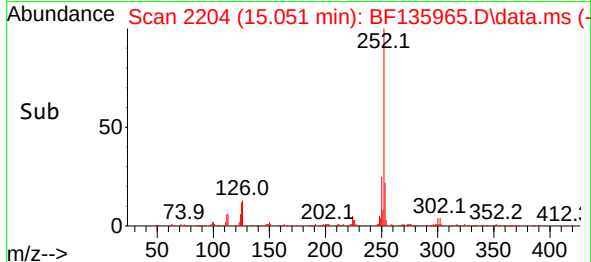
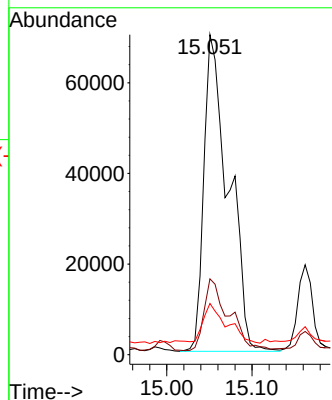
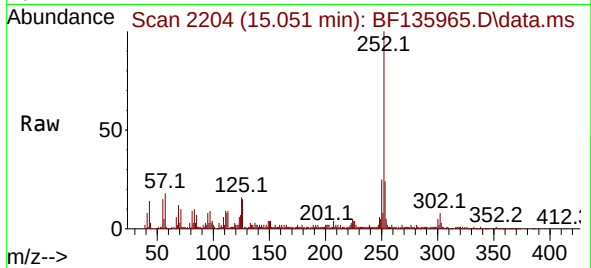




#89
Benzo(k)fluoranthene
Concen: 7.100 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

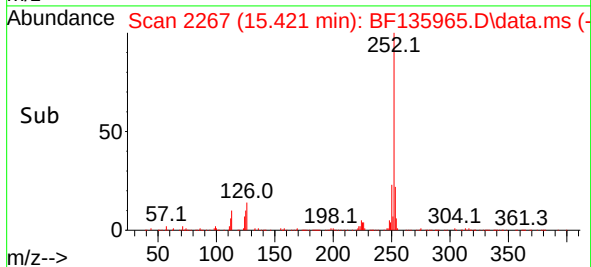
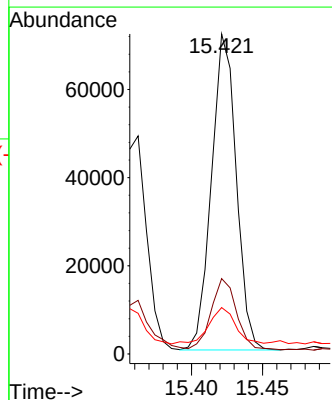
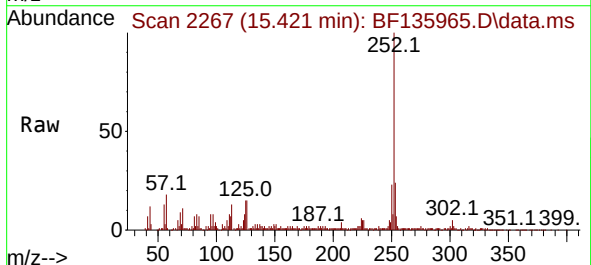
Instrument :
BNA_F
ClientSampleId :
MMFB-4

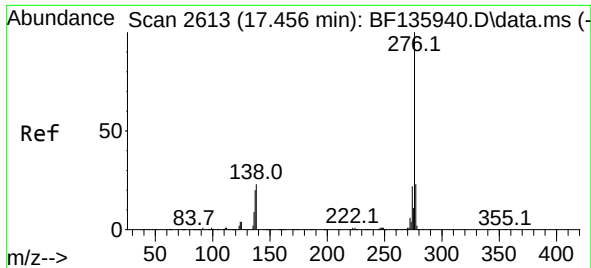
Tgt Ion:252 Resp: 140271
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 16.0 8.5 12.7#



#90
Benzo(a)pyrene
Concen: 4.686 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:252 Resp: 86876
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 14.5 9.6 14.4#





#92
 Benzo(g,h,i)perylene
 Concen: 5.580 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF135965.D
 Acq: 26 Oct 2023 16:04

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4

Tgt Ion:	276	Resp:	36857
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	32.7	18.4	27.6#

