

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131703.D
 Acq On : 19 Dec 2022 22:47
 Operator : CG\JU
 Sample : N6038-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-36-(0-2)

Quant Time: Dec 20 01:08:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

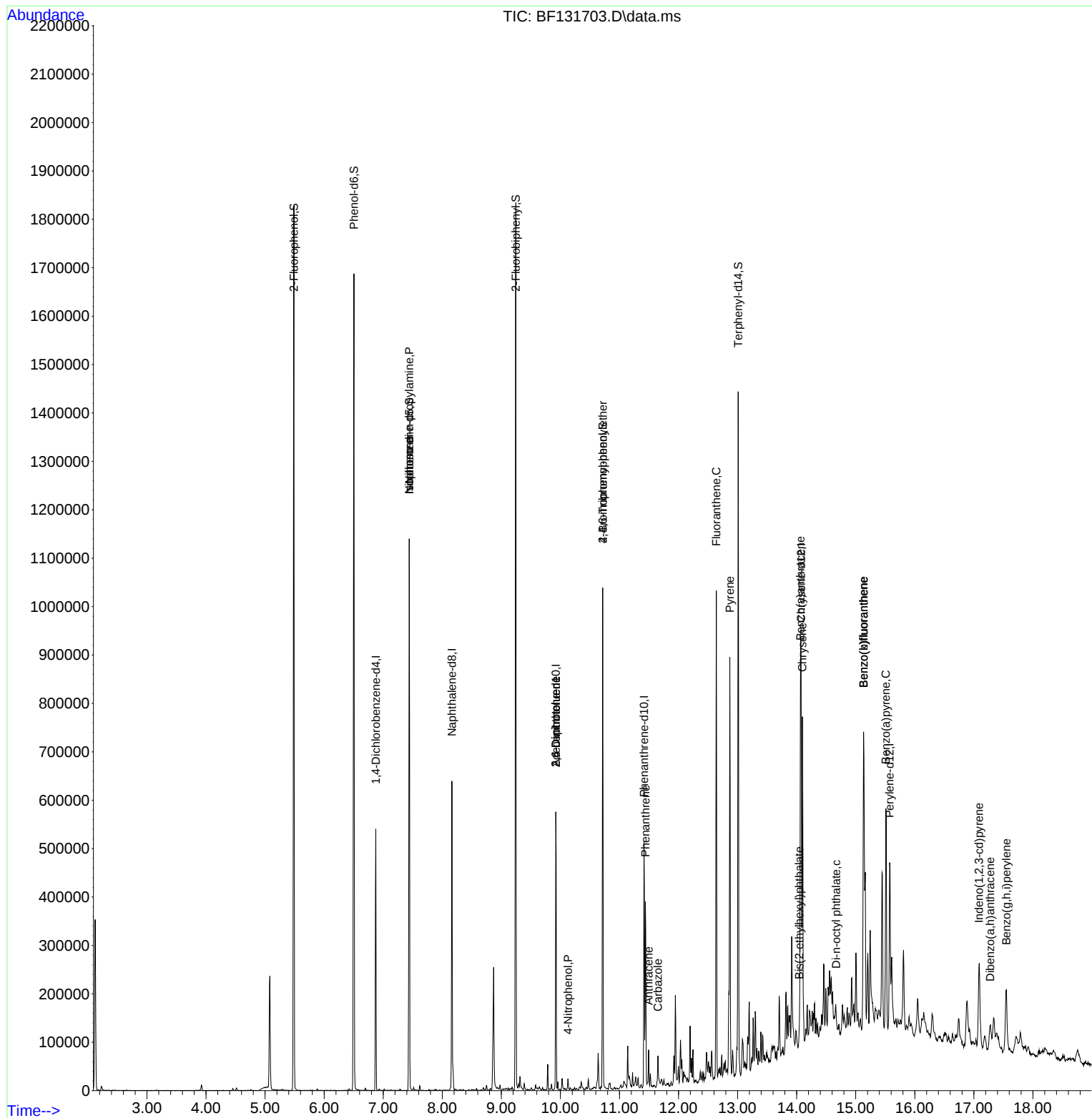
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69028	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	228326	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	108170	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	176144	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	162051	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	168753	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	416242	100.598	ng	0.00
7) Phenol-d6	6.504	99	520804	96.052	ng	0.00
23) Nitrobenzene-d5	7.440	82	364138	60.295	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	98480	81.944	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	539431	62.878	ng	0.00
79) Terphenyl-d14	13.010	244	447378	37.861	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	50960	12.534	ng	# 77
25) Isophorone	7.440	82	362603	37.275	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	13850	8.136	ng	# 10
56) 4-Nitrophenol	10.128	139	2325	2.049	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	13850	6.133	ng	# 16
67) 4-Bromophenyl-phenylether	10.716	248	7025	3.100	ng	# 1
71) Phenanthrene	11.439	178	133708	13.619	ng	99
72) Anthracene	11.492	178	24513	2.566	ng	97
73) Carbazole	11.651	167	17370	2.228	ng	97
75) Fluoranthene	12.639	202	371242	36.720	ng	99
78) Pyrene	12.869	202	332667	20.819	ng	100
81) Benzo(a)anthracene	14.063	228	268689	22.960	ng	97
83) Chrysene	14.098	228	243568	21.892	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	5444	3.842	ng	97
85) Di-n-octyl phthalate	14.668	149	482	5.261	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.086	276	120817	8.773	ng	98
88) Benzo(b)fluoranthene	15.133	252	480557	43.207	ng	# 97
89) Benzo(k)fluoranthene	15.133	252	480557	41.395	ng	# 97
90) Benzo(a)pyrene	15.510	252	233692	24.620	ng	# 97
91) Dibenzo(a,h)anthracene	17.274	278	25167	2.220	ng	95
92) Benzo(g,h,i)perylene	17.551	276	102961	9.038	ng	98

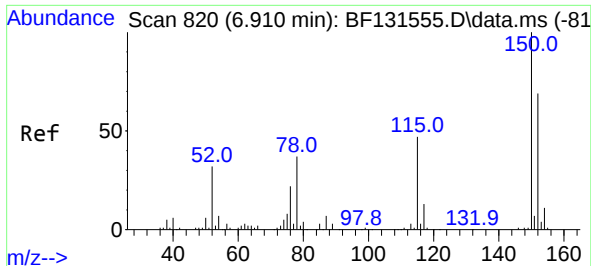
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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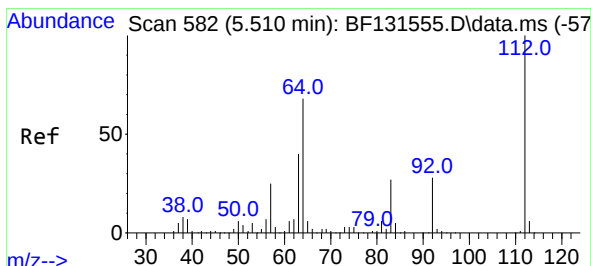
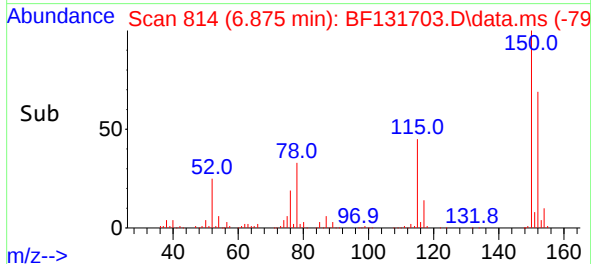
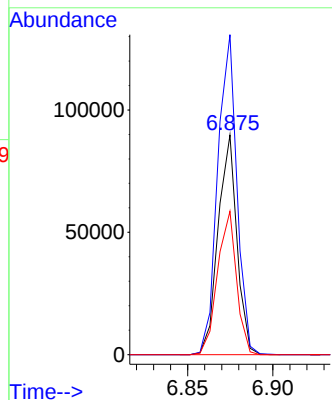
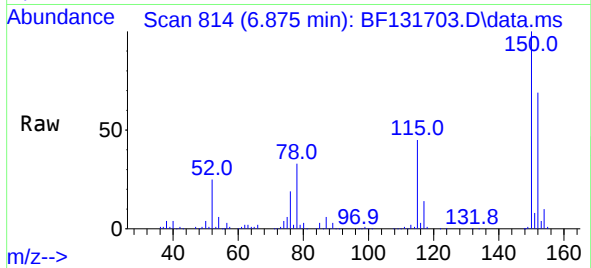




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

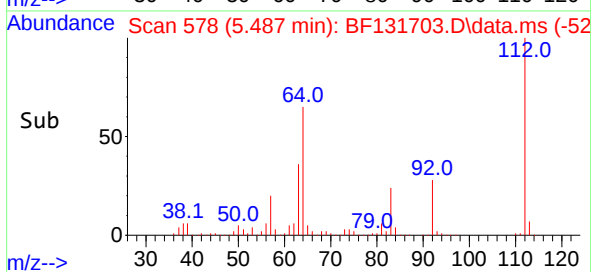
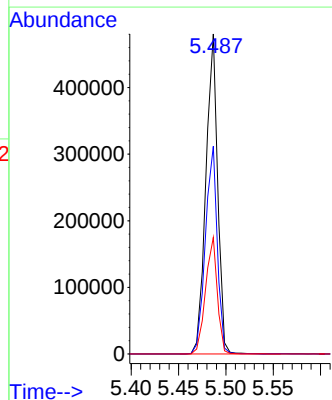
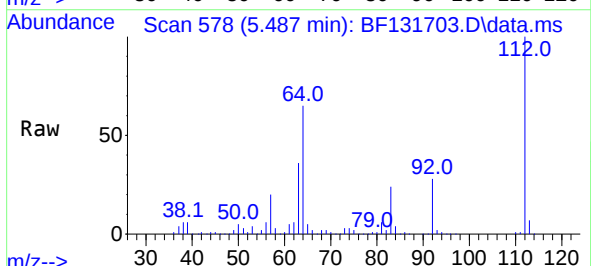
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

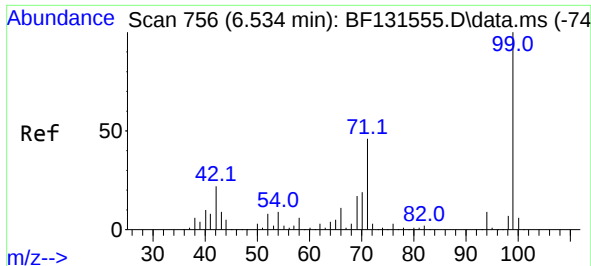
Tgt Ion:152 Resp: 69028
Ion Ratio Lower Upper
152 100
150 145.7 116.7 175.1
115 65.3 54.6 82.0



#5
2-Fluorophenol
Concen: 100.598 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:112 Resp: 416242
Ion Ratio Lower Upper
112 100
64 64.9 54.5 81.7
63 36.4 31.9 47.9

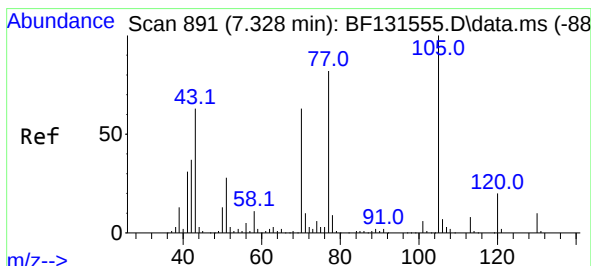
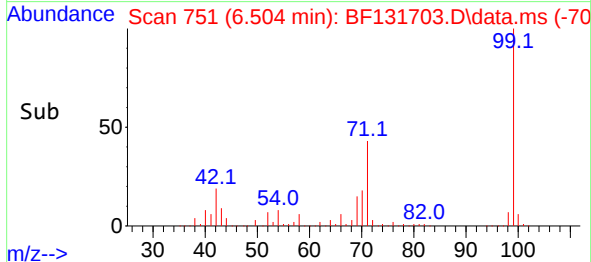
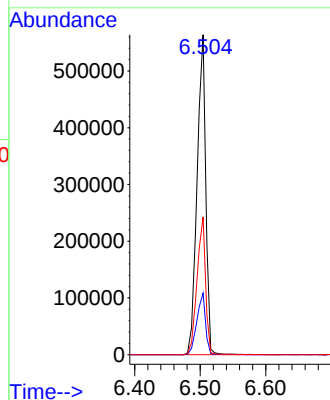
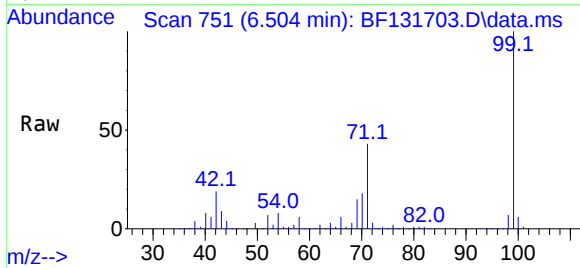




#7
Phenol-d6
Concen: 96.052 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

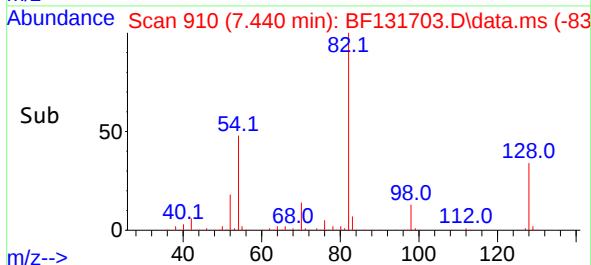
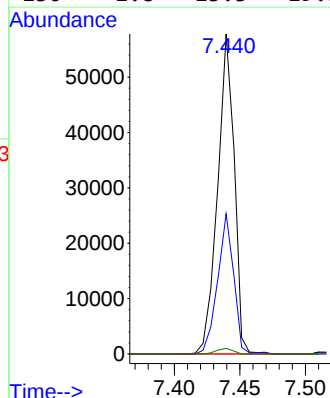
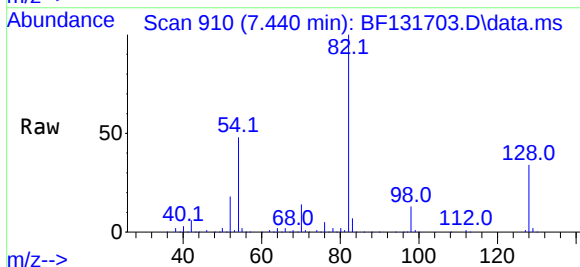
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

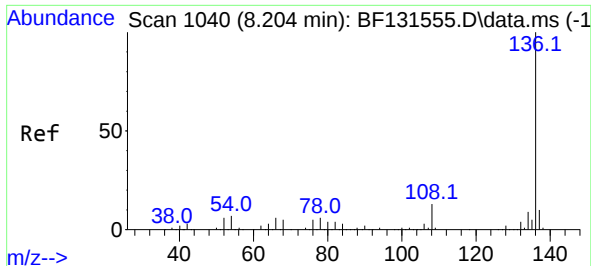
Tgt Ion: 99 Resp: 520804
Ion Ratio Lower Upper
99 100
42 19.3 17.9 26.9
71 43.1 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.534 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

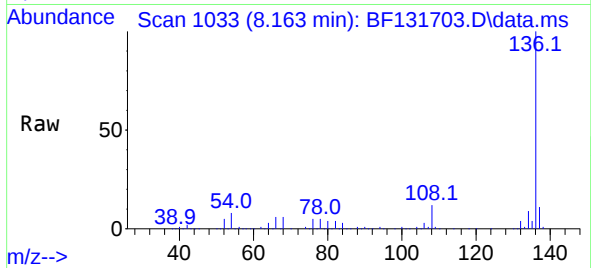
Tgt Ion: 70 Resp: 50960
Ion Ratio Lower Upper
70 100
42 43.8 46.4 69.6#
101 0.0 7.2 10.8#
130 1.8 13.3 19.9#



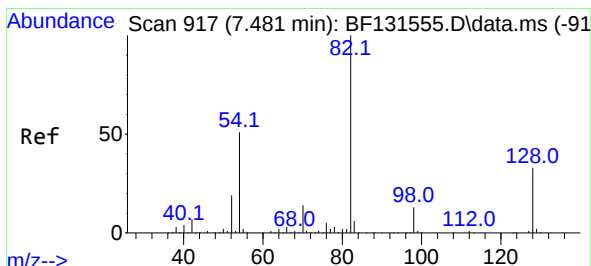
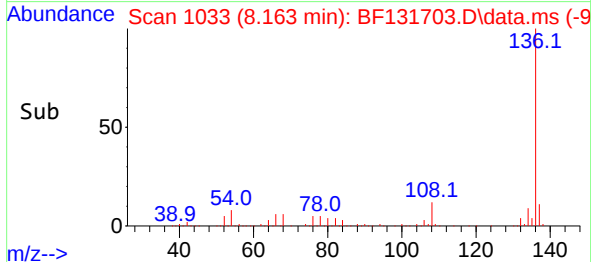
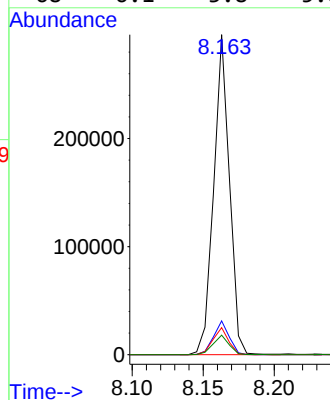


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

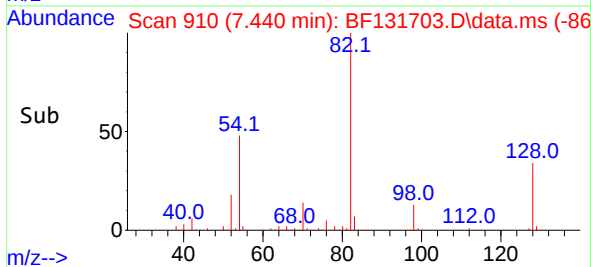
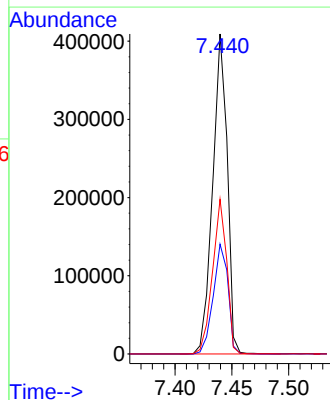
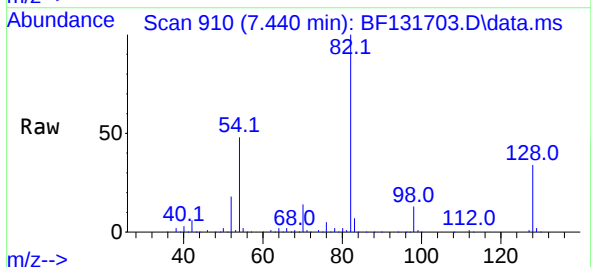


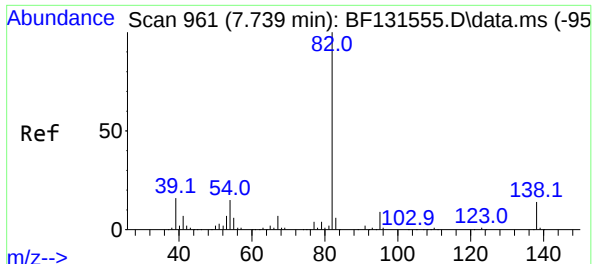
Tgt Ion:136 Resp: 228326
Ion Ratio Lower Upper
136 100
137 10.6 8.1 12.1
54 8.4 6.0 9.0
68 6.1 3.8 5.8#



#23
Nitrobenzene-d5
Concen: 60.295 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion: 82 Resp: 364138
Ion Ratio Lower Upper
82 100
128 34.3 26.1 39.1
54 48.4 40.6 60.8

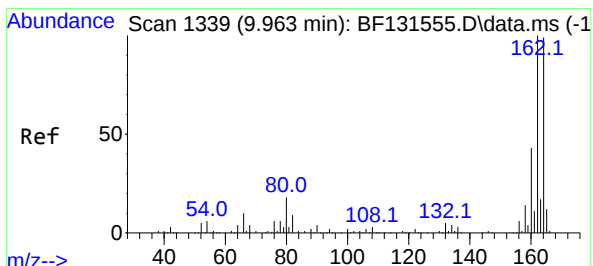
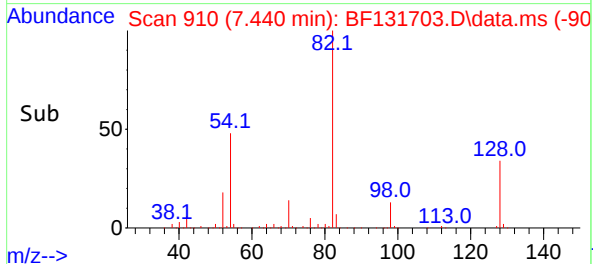
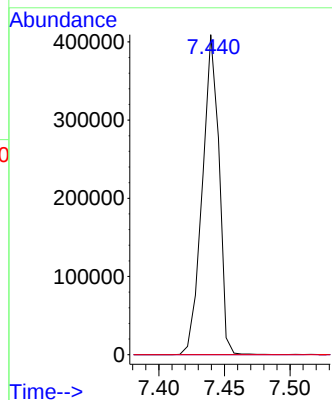
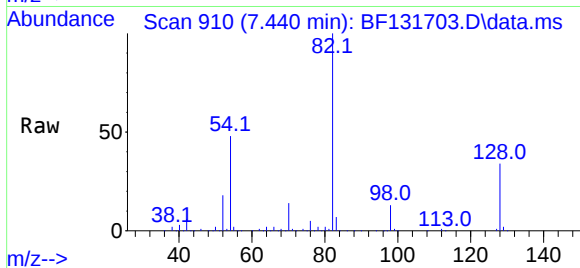




#25
Isophorone
Concen: 37.275 ng
RT: 7.440 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

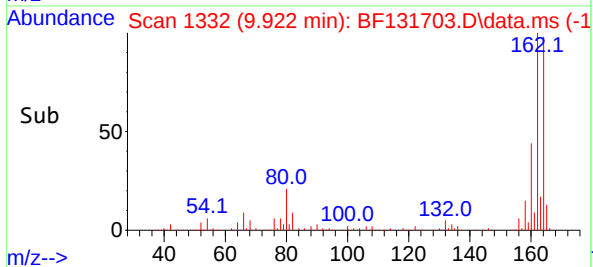
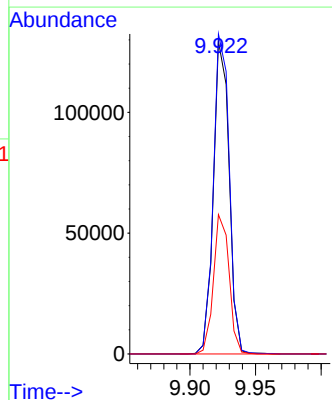
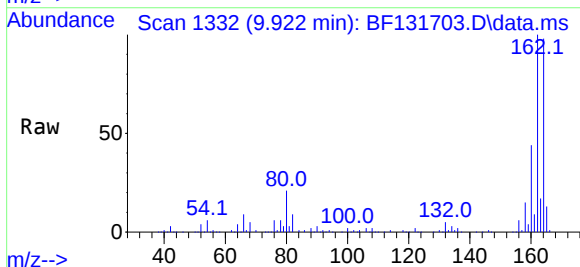
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

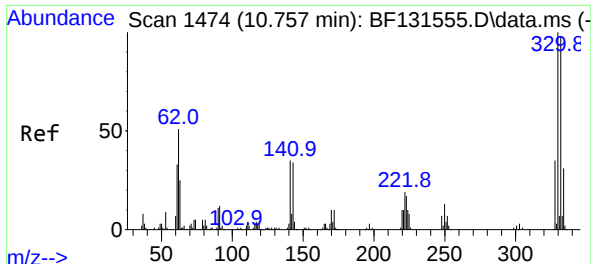
Tgt Ion: 82 Resp: 362603
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:164 Resp: 108170
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 81.944 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF131703.D

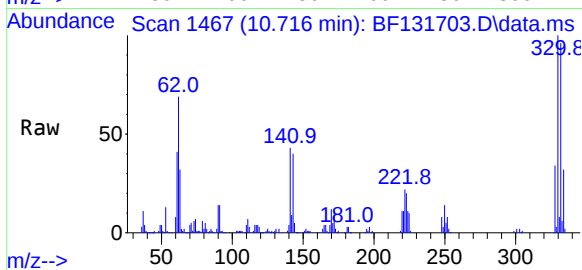
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Instrument :

BNA_F

ClientSampleId :

RB-36-(0-2)



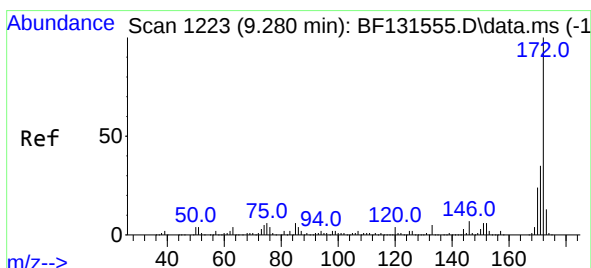
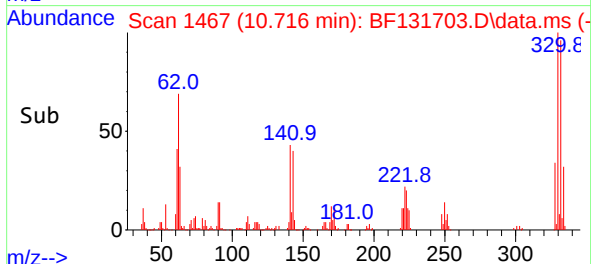
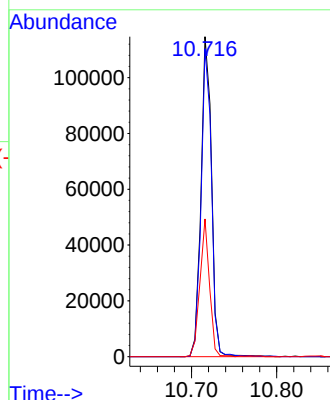
Tgt Ion:330 Resp: 98480

Ion Ratio Lower Upper

330 100

332 95.2 78.3 117.5

141 39.4 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 62.878 ng

RT: 9.245 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF131703.D

Acq: 19 Dec 2022 22:47

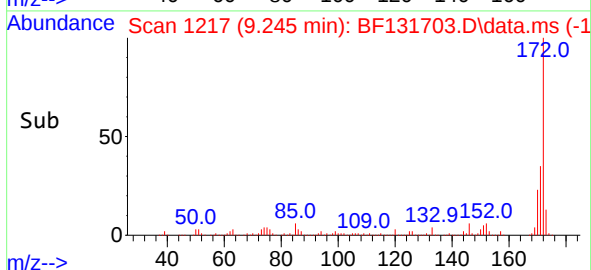
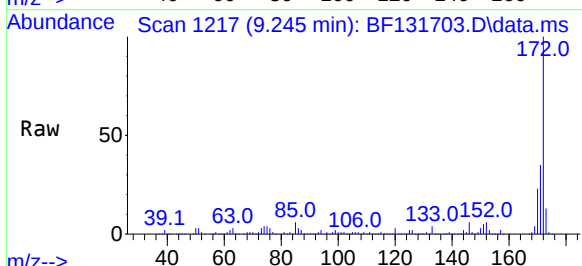
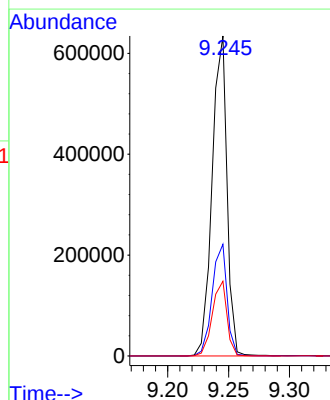
Tgt Ion:172 Resp: 539431

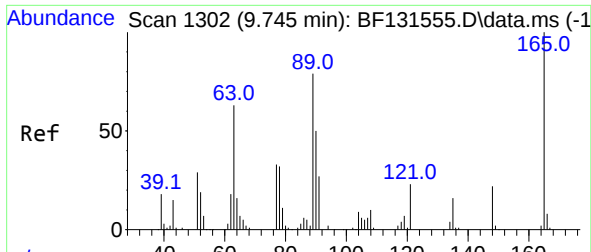
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 8.136 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF131703.D

Acq: 19 Dec 2022 22:47

Instrument :

BNA_F

ClientSampleId :

RB-36-(0-2)

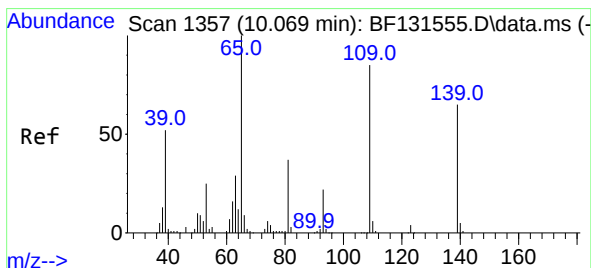
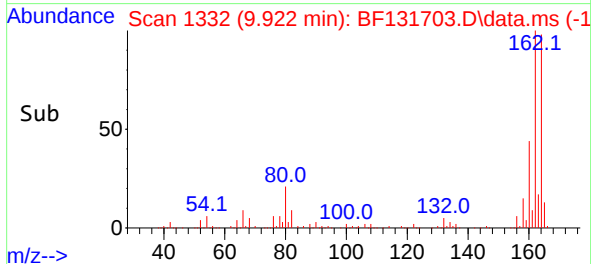
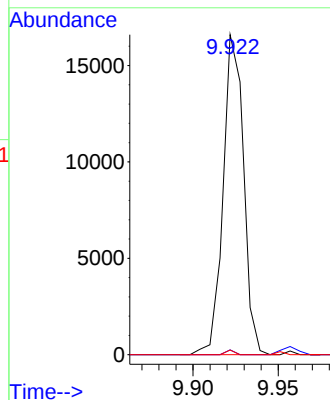
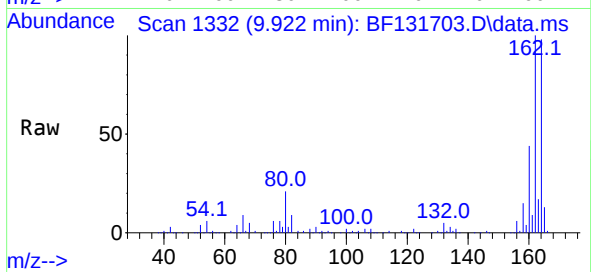
Tgt Ion:165 Resp: 13850

Ion Ratio Lower Upper

165 100

63 1.5 67.9 101.9#

89 1.5 63.2 94.8#



#56

4-Nitrophenol

Concen: 2.049 ng

RT: 10.128 min Scan# 1367

Delta R.T. 0.088 min

Lab File: BF131703.D

Acq: 19 Dec 2022 22:47

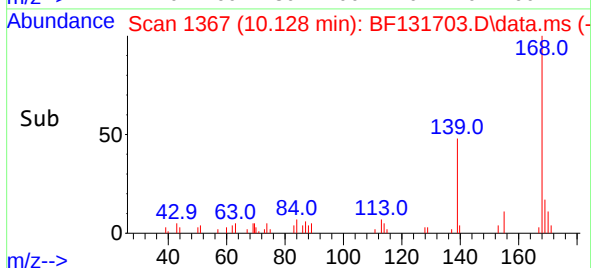
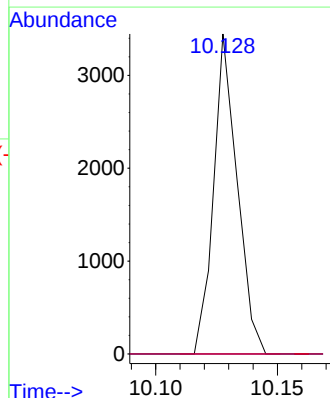
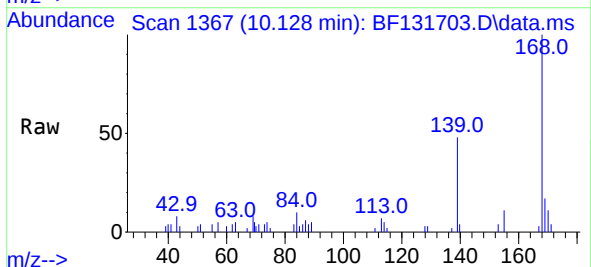
Tgt Ion:139 Resp: 2325

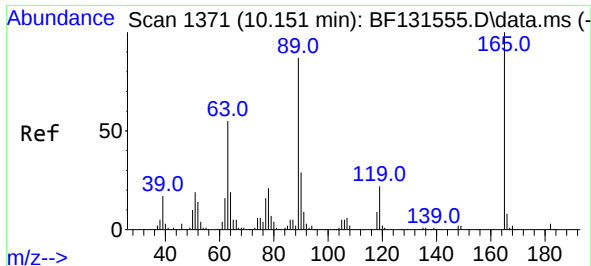
Ion Ratio Lower Upper

139 100

109 0.0 110.2 150.2#

65 0.0 133.3 173.3#

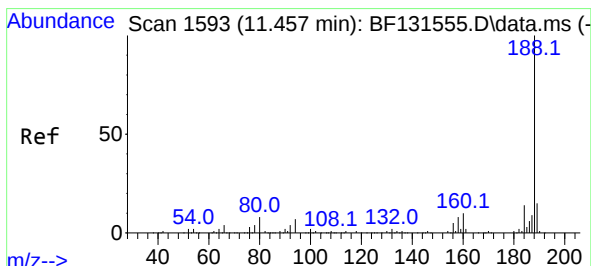
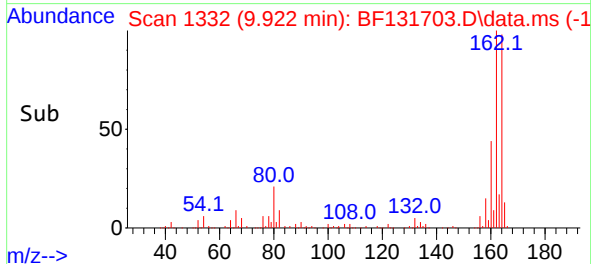
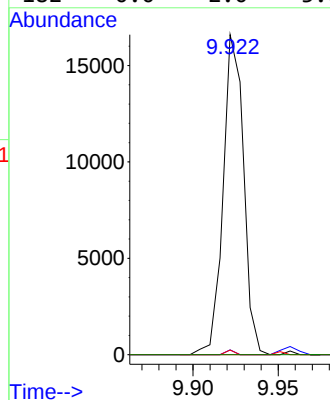
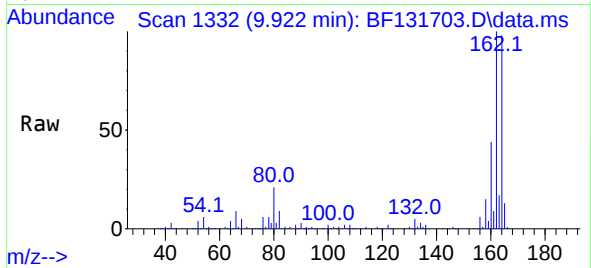




#57
2,4-Dinitrotoluene
Concen: 6.133 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

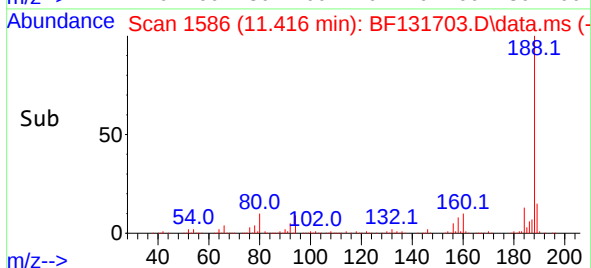
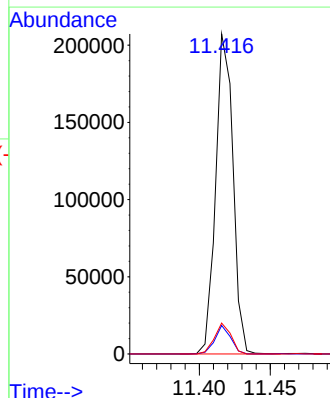
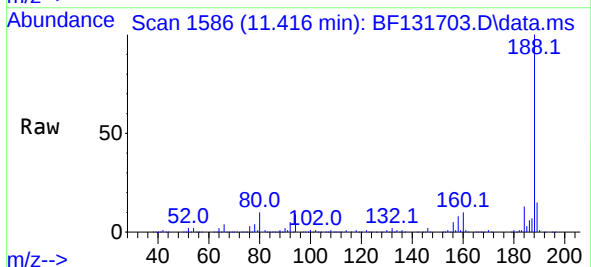
Instrument :
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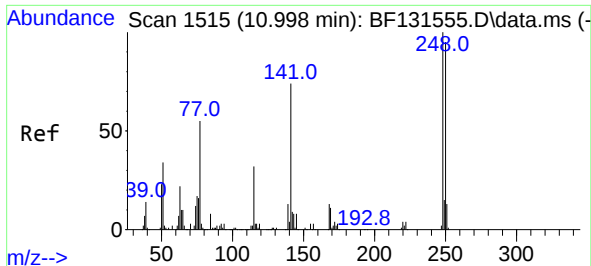
Tgt Ion:165 Resp: 13850
Ion Ratio Lower Upper
165 100
63 1.5 44.4 66.6#
89 1.5 69.6 104.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

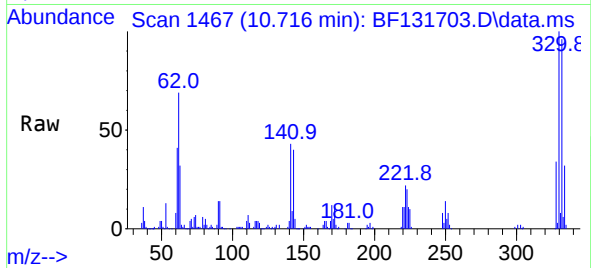
Tgt Ion:188 Resp: 176144
Ion Ratio Lower Upper
188 100
94 8.9 5.5 8.3#
80 9.7 6.6 10.0



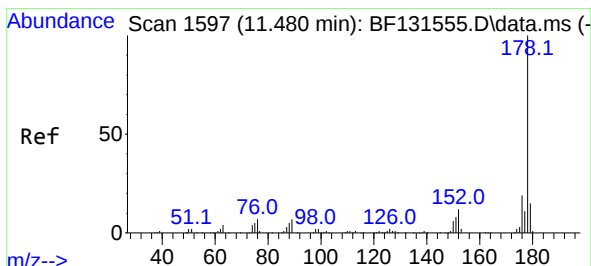
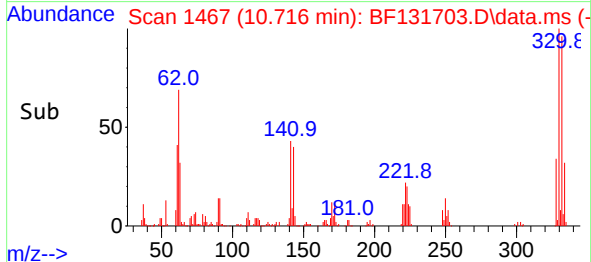
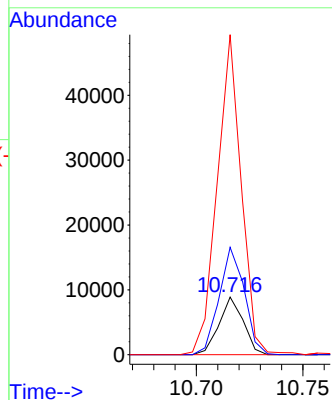


#67
4-Bromophenyl-phenylether
Concen: 3.100 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.247 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

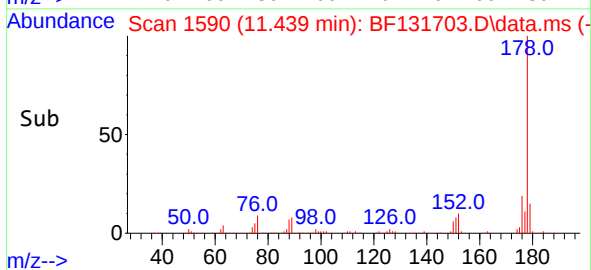
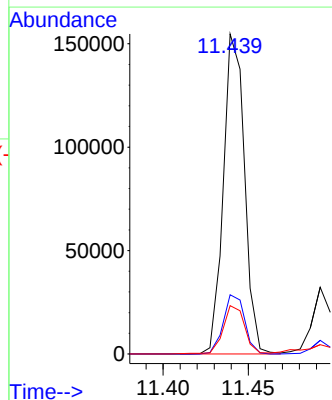
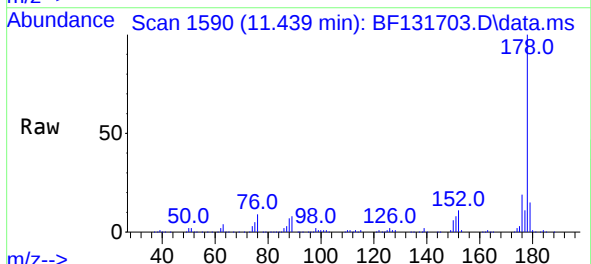


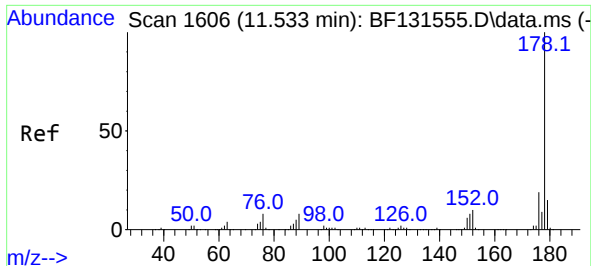
Tgt Ion:248 Resp: 7025
Ion Ratio Lower Upper
248 100
250 186.4 76.2 114.2#
141 555.1 59.5 89.3#



#71
Phenanthrene
Concen: 13.619 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:178 Resp: 133708
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.1 12.2 18.4

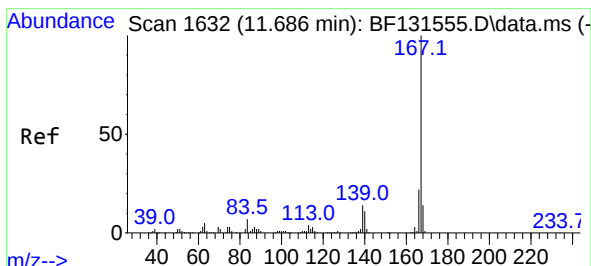
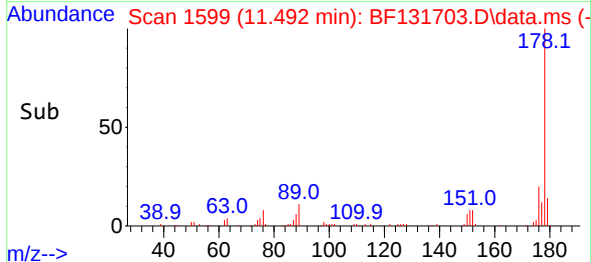
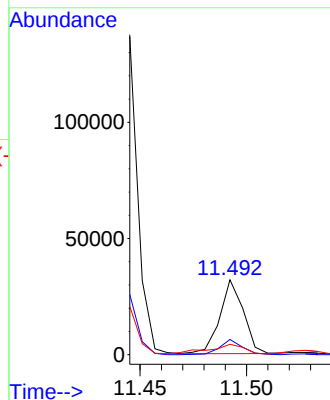
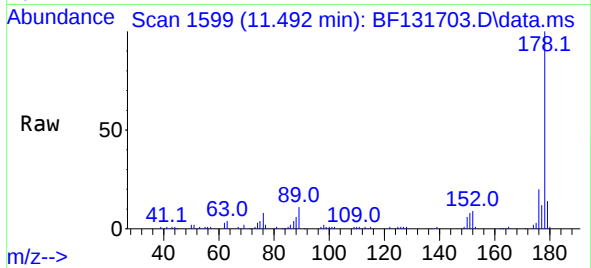




#72
Anthracene
Concen: 2.566 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

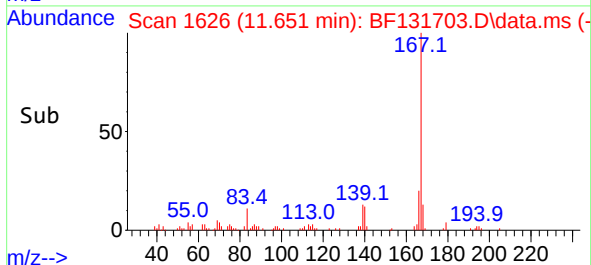
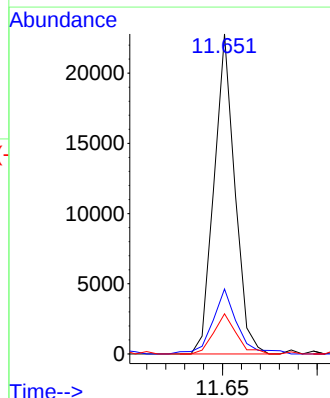
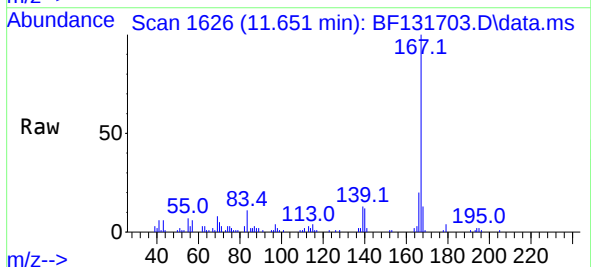
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

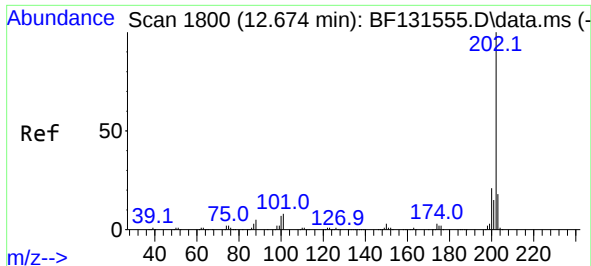
Tgt Ion:178 Resp: 24513
Ion Ratio Lower Upper
178 100
176 20.3 15.0 22.6
179 13.9 12.3 18.5



#73
Carbazole
Concen: 2.228 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:167 Resp: 17370
Ion Ratio Lower Upper
167 100
166 20.3 17.4 26.0
139 12.6 11.0 16.4

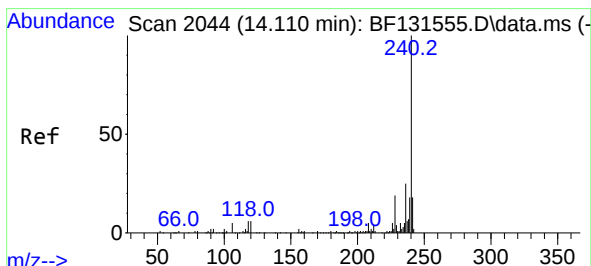
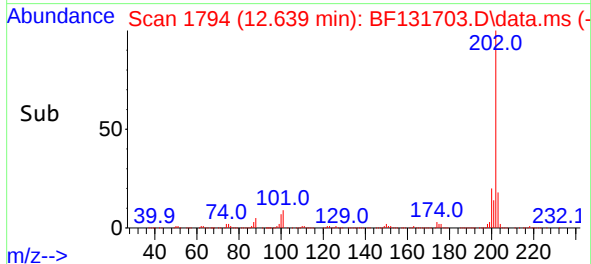
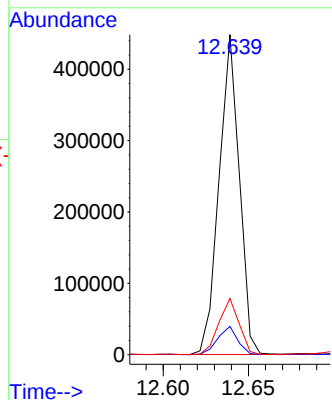
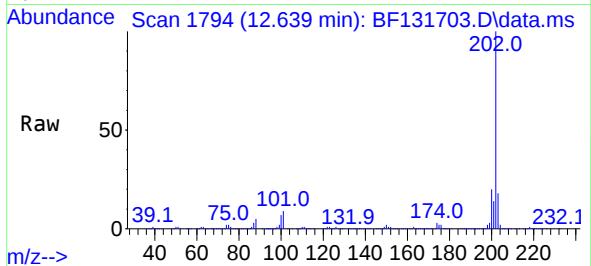




#75
Fluoranthene
Concen: 36.720 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

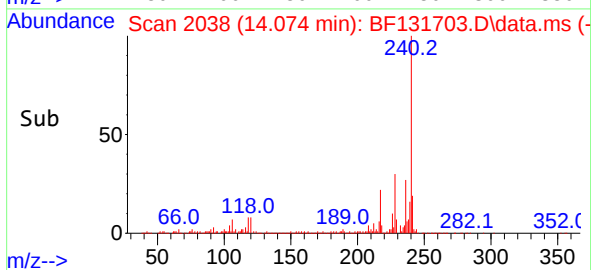
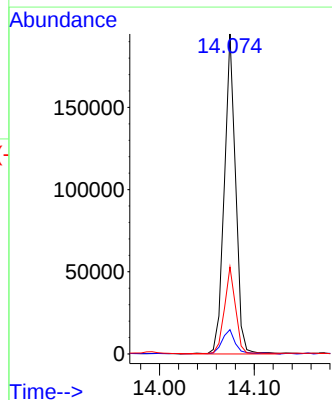
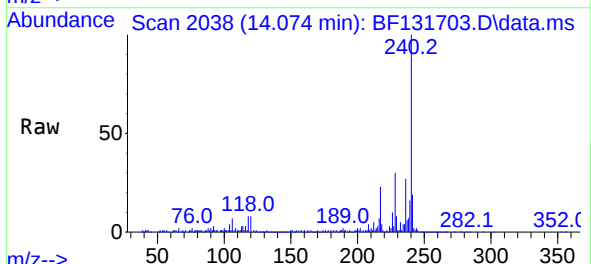
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

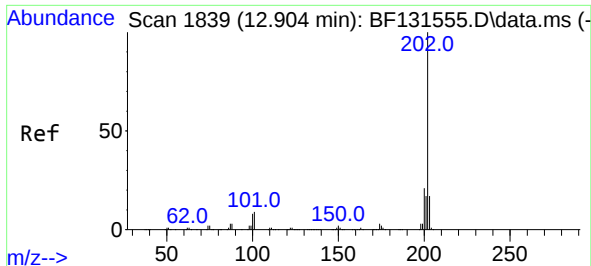
Tgt Ion:202 Resp: 371242
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.7
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:240 Resp: 162051
Ion Ratio Lower Upper
240 100
120 7.6 4.6 7.0#
236 27.2 20.2 30.2

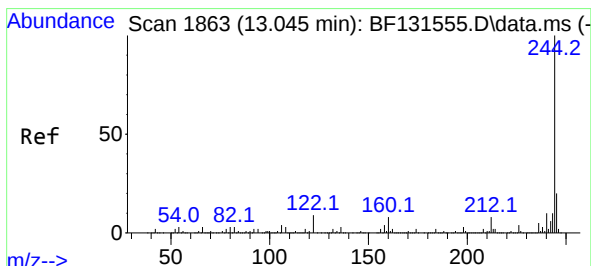
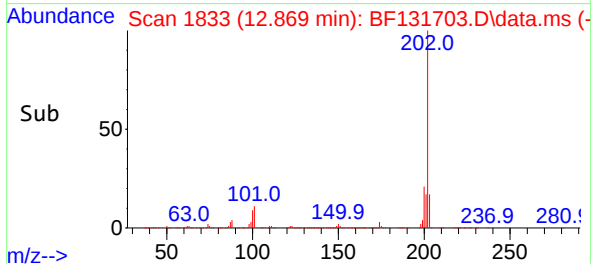
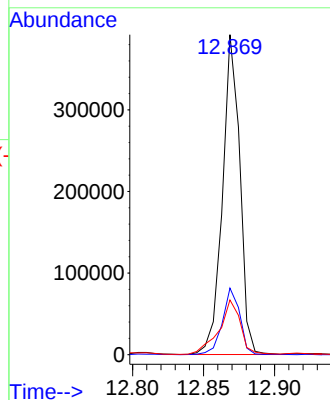
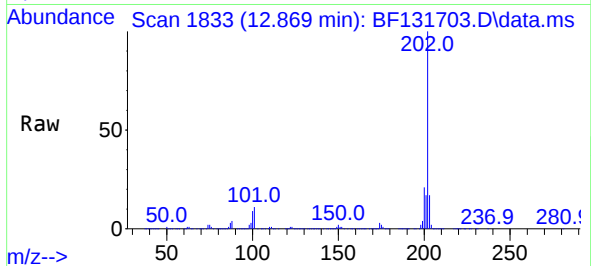




#78
Pyrene
Concen: 20.819 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

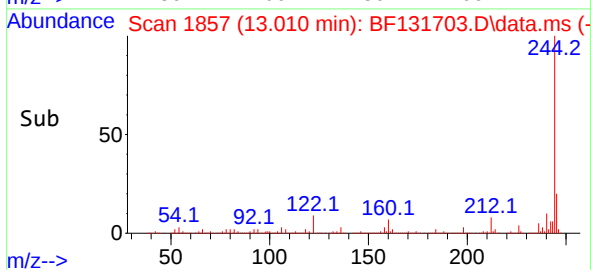
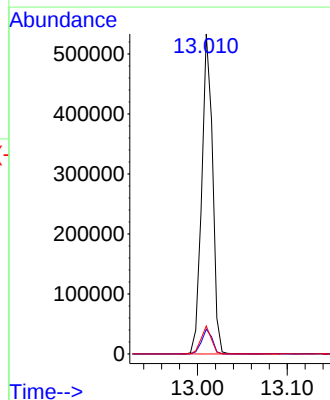
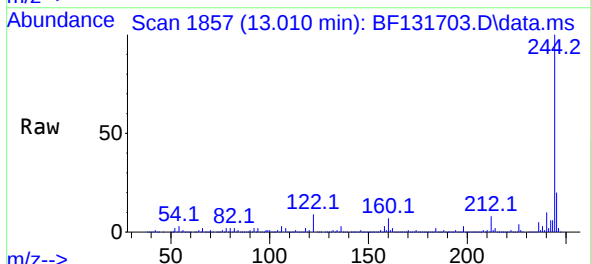
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

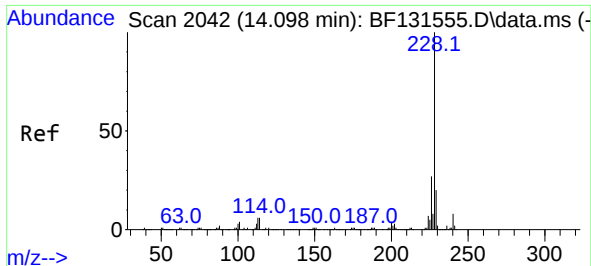
Tgt Ion:202 Resp: 332667
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.1 13.8 20.6



#79
Terphenyl-d14
Concen: 37.861 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:244 Resp: 447378
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 8.7 7.1 10.7

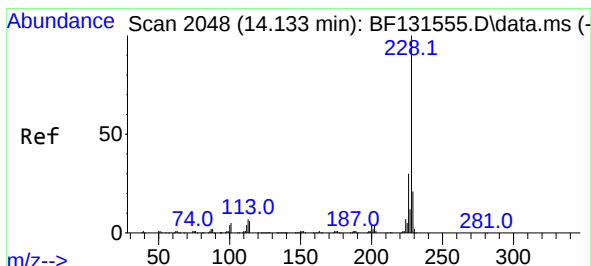
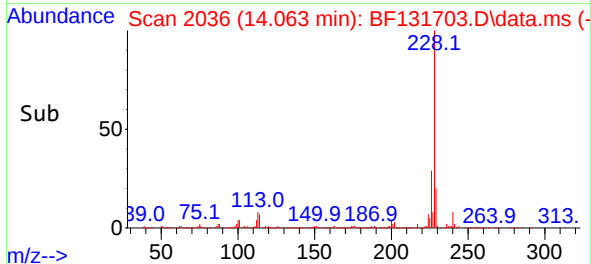
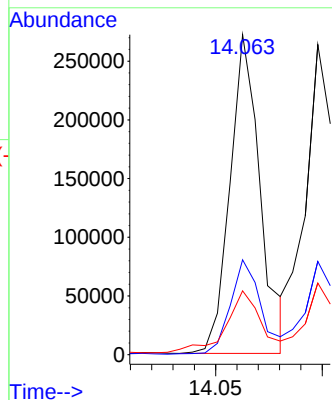
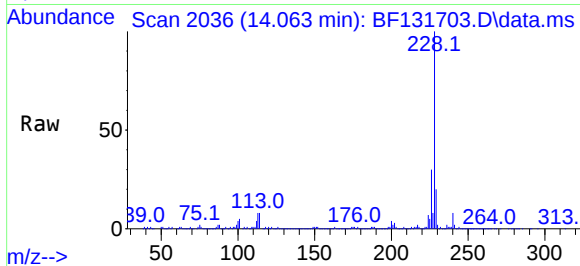




#81
Benzo(a)anthracene
Concen: 22.960 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

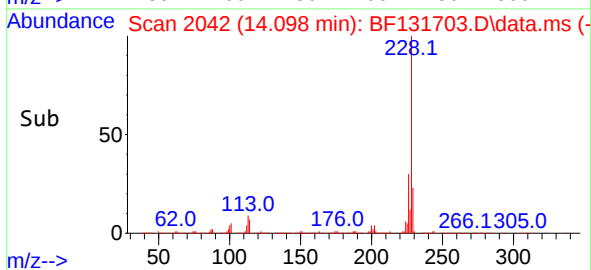
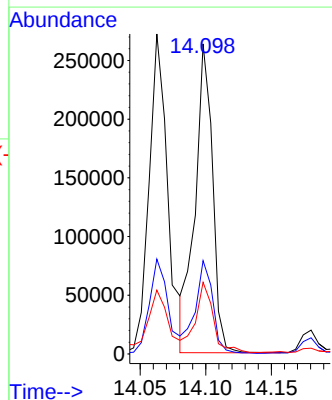
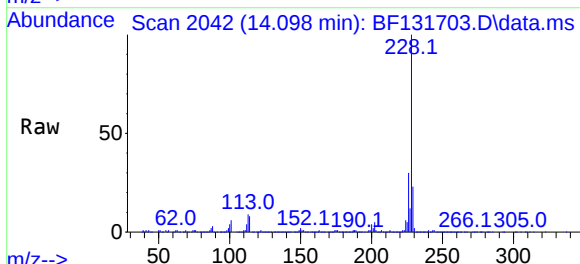
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

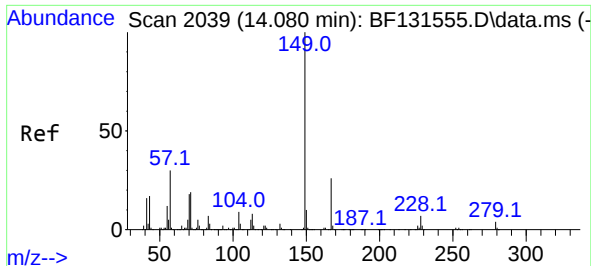
Tgt Ion:228 Resp: 268689
Ion Ratio Lower Upper
228 100
226 29.6 21.5 32.3
229 20.0 15.8 23.6



#83
Chrysene
Concen: 21.892 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:228 Resp: 243568
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 23.1 16.7 25.1

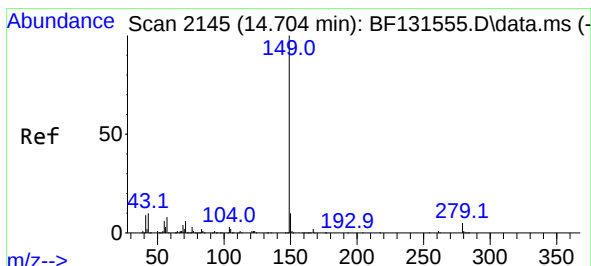
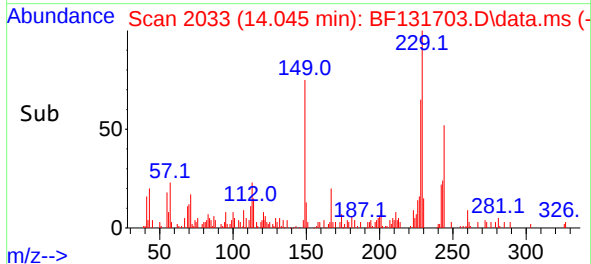
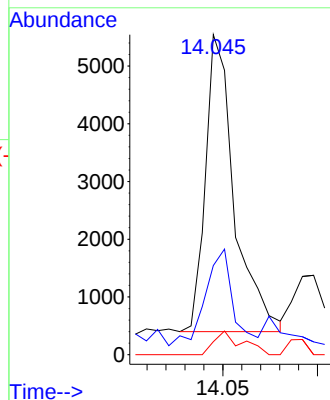
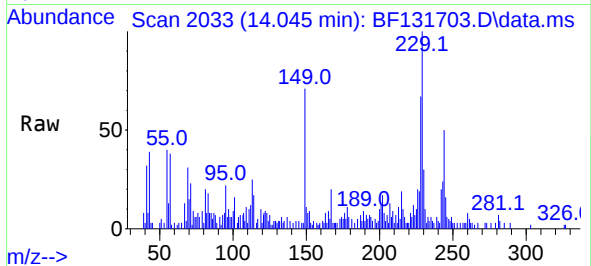




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.842 ng
 RT: 14.045 min Scan# 2039
 Delta R.T. -0.006 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

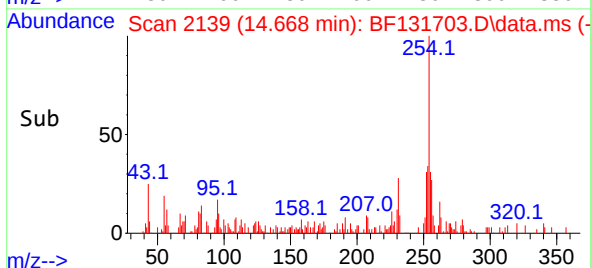
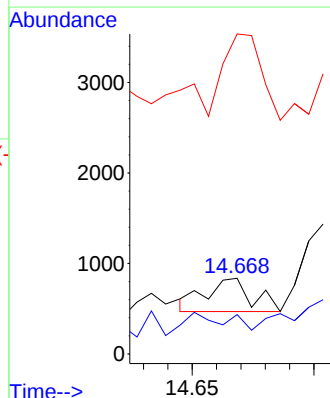
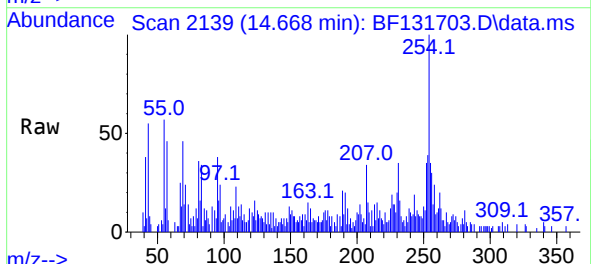
Instrument :
 BNA_F
 ClientSampleId :
 RB-36-(0-2)

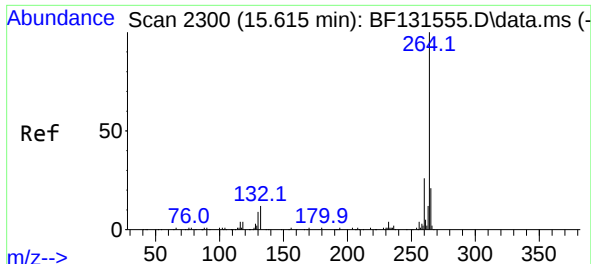
Tgt Ion:	149	Resp:	5444
Ion Ratio	Lower	Upper	
149	100		
167	27.8	20.8	31.2
279	4.0	3.3	4.9



#85
 Di-n-octyl phthalate
 Concen: 5.261 ng
 RT: 14.668 min Scan# 2139
 Delta R.T. 0.000 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

Tgt Ion:	149	Resp:	482
Ion Ratio	Lower	Upper	
149	100		
167	48.3	1.2	1.8#
43	231.7	8.6	13.0#

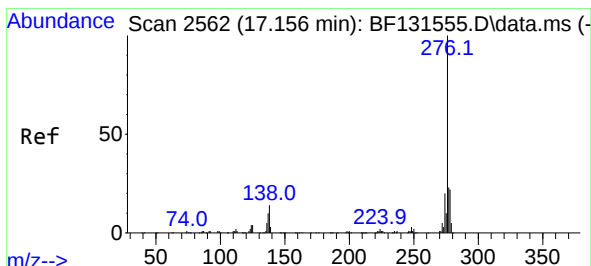
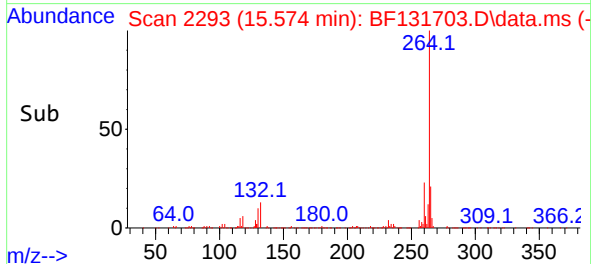
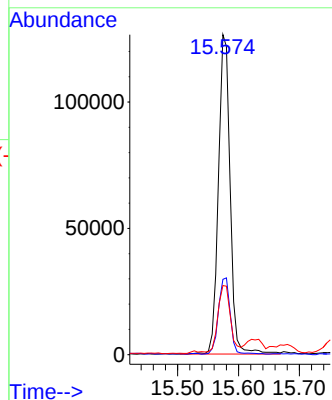
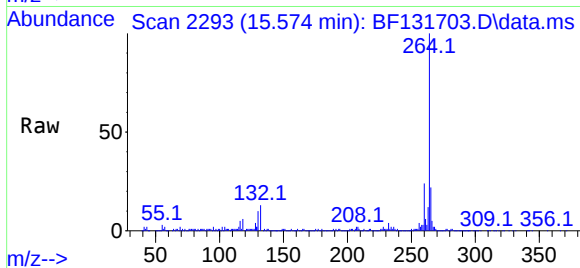




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

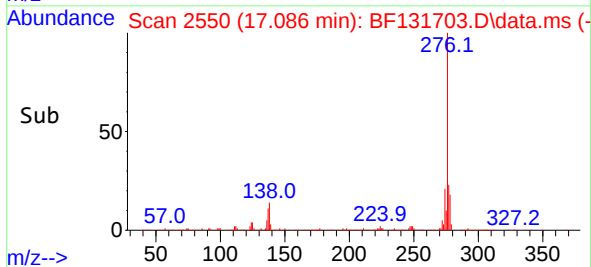
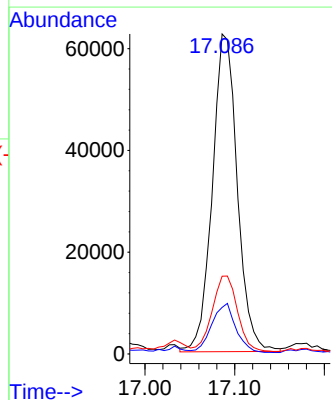
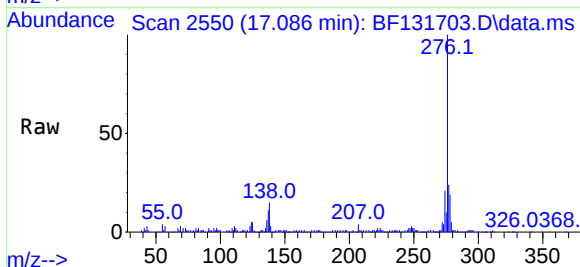
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

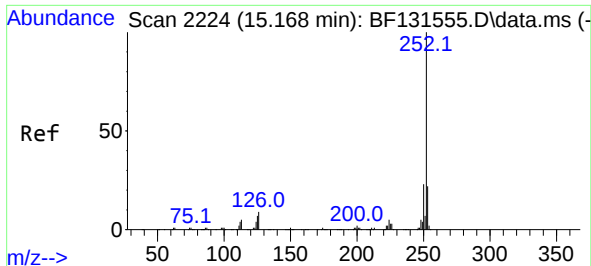
Tgt Ion:264 Resp: 168753
Ion Ratio Lower Upper
264 100
260 23.6 20.6 30.8
265 21.6 16.8 25.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.773 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:276 Resp: 120817
Ion Ratio Lower Upper
276 100
138 14.9 12.7 19.1
277 24.1 20.0 30.0

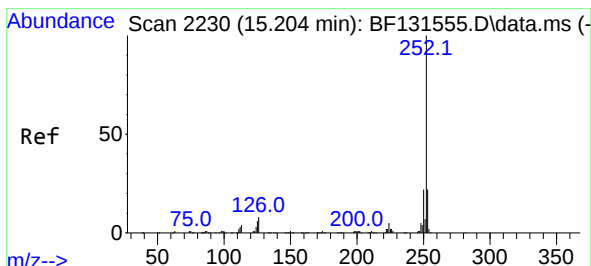
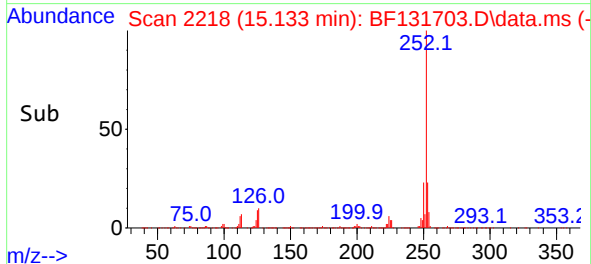
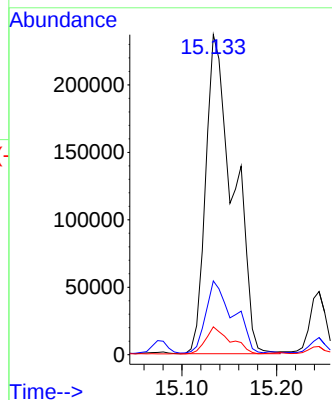
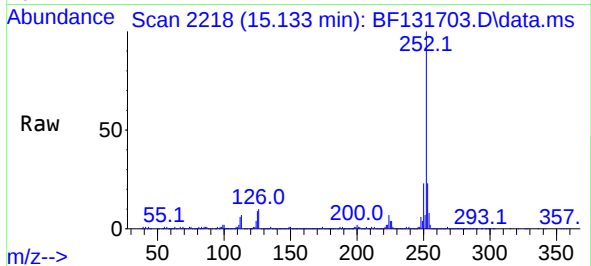




#88
Benzo(b)fluoranthene
Concen: 43.207 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

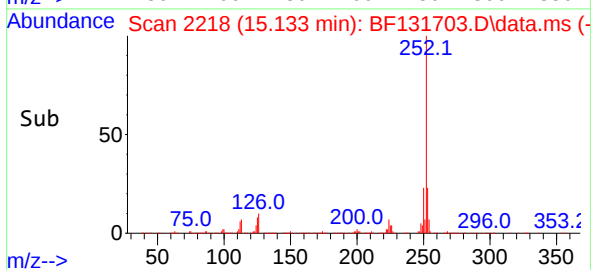
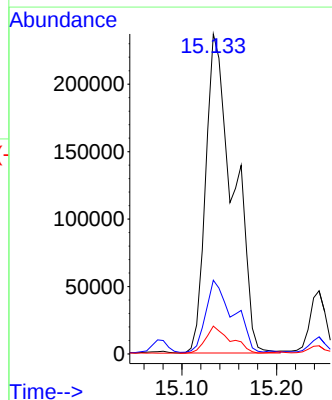
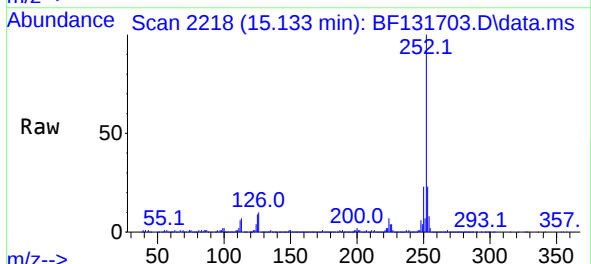
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

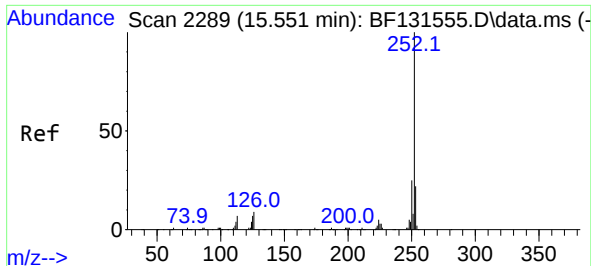
Tgt Ion:252 Resp: 480557
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 8.7 5.6 8.4#



#89
Benzo(k)fluoranthene
Concen: 41.395 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.029 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

Tgt Ion:252 Resp: 480557
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 8.7 4.9 7.3#

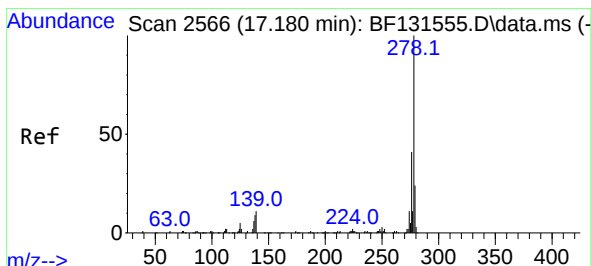
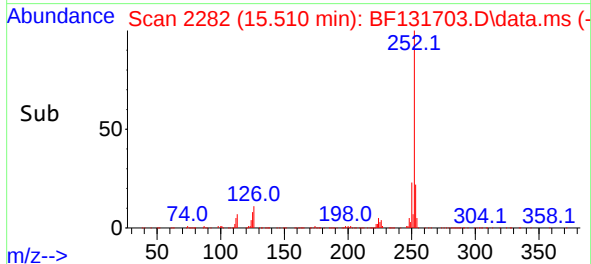
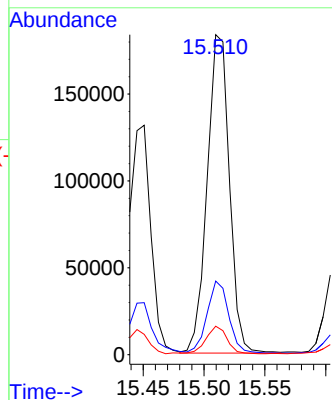
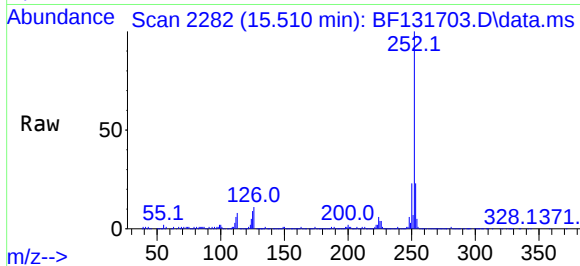




#90
Benzo(a)pyrene
Concen: 24.620 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

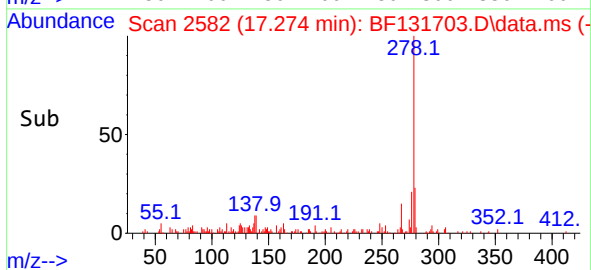
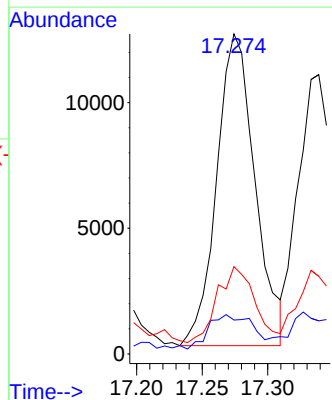
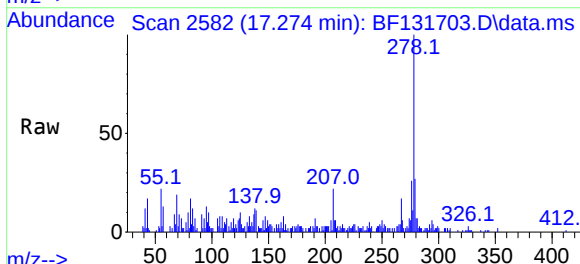
Instrument :
BNA_F
ClientSampleId :
RB-36-(0-2)

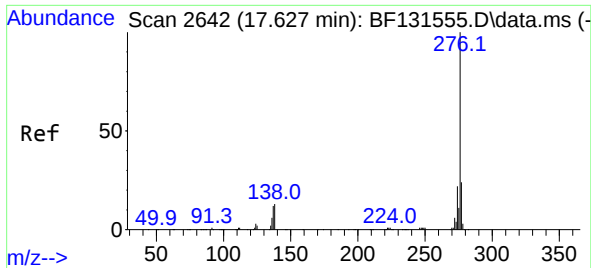
Tgt Ion:252 Resp: 233692
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 8.9 5.6 8.4#



#91
Dibenzo(a,h)anthracene
Concen: 2.220 ng
RT: 17.274 min Scan# 2582
Delta R.T. 0.159 min
Lab File: BF131703.D
Acq: 19 Dec 2022 22:47

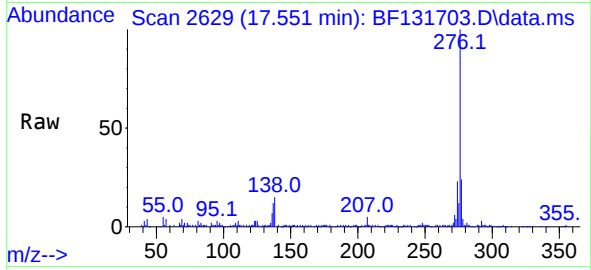
Tgt Ion:278 Resp: 25167
Ion Ratio Lower Upper
278 100
139 10.6 8.9 13.3
279 27.3 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 9.038 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF131703.D
 Acq: 19 Dec 2022 22:47

Instrument :
 BNA_F
 ClientSampleId :
 RB-36-(0-2)



Tgt Ion:276 Resp: 102961

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	14.8	10.7	16.1

