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 Data File : BF130703.D
 Acq On : 18 Oct 2022 17:48
 Operator : CG\JU
 Sample : N5171-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

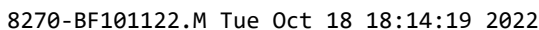
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

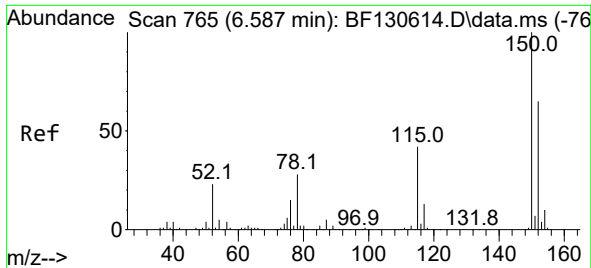
Quant Time: Oct 18 18:14:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	63854	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	213373	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	89482	20.000	ng	0.00
64) Phenanthrene-d10	11.080	188	138742	20.000	ng	0.00
76) Chrysene-d12	13.721	240	163796	20.000	ng	0.00
86) Perylene-d12	15.098	264	144847	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	367641	103.782	ng	0.01
7) Phenol-d6	6.228	99	417454	93.729	ng	0.00
23) Nitrobenzene-d5	7.145	82	259810	66.471	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	87743	100.212	ng	0.00
45) 2-Fluorobiphenyl	8.933	172	432073	73.141	ng	0.00
79) Terphenyl-d14	12.668	244	461461	46.759	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.145	70	35250	12.267	ng	# 76
25) Isophorone	7.145	82	259807	39.938	ng	# 64
51) 2,6-Dinitrotoluene	9.604	165	11384	8.378	ng	# 25
52) Acenaphthene	9.633	154	9710	2.018	ng	97
56) 4-Nitrophenol	9.810	139	2016	2.455	ng	# 12
58) Fluorene	10.151	166	12227	2.029	ng	98
67) 4-Bromophenyl-phenylether	10.392	248	4967	3.164	ng	# 1
71) Phenanthrene	11.110	178	166622	21.676	ng	97
72) Anthracene	11.157	178	42852	5.708	ng	97
73) Carbazole	11.327	167	30390	4.537	ng	97
74) Di-n-butylphthalate	11.651	149	17521	2.159	ng	99
75) Fluoranthene	12.298	202	407874	55.209	ng	100
78) Pyrene	12.521	202	391115	27.678	ng	99
80) Butylbenzylphthalate	13.145	149	24750	4.555	ng	93
81) Benzo(a)anthracene	13.710	228	293827	26.623	ng	99
83) Chrysene	13.745	228	261182	24.959	ng	99
84) Bis(2-ethylhexyl)phtha...	13.710	149	35490	5.388	ng	99
85) Di-n-octyl phthalate	14.315	149	56563	5.607	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.392	276	86818	8.008	ng	96
88) Benzo(b)fluoranthene	14.721	252	441019	48.083	ng	98
89) Benzo(k)fluoranthene	14.721	252	441019	47.223	ng	97
90) Benzo(a)pyrene	15.045	252	206823	27.093	ng	97
91) Dibenzo(a,h)anthracene	16.545	278	17941	2.019	ng	94
92) Benzo(g,h,i)perylene	16.780	276	83008	10.029	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
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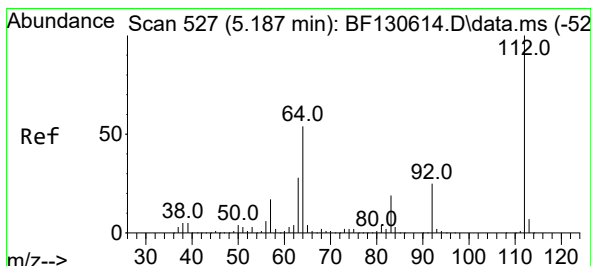
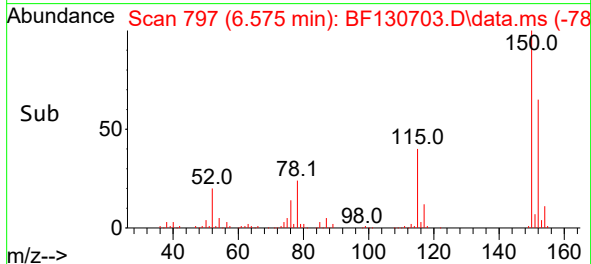
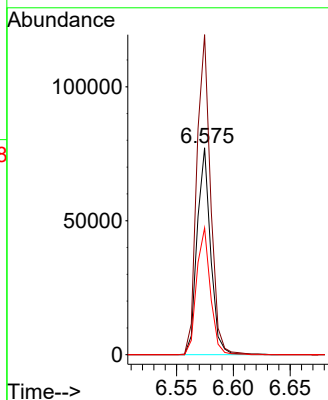
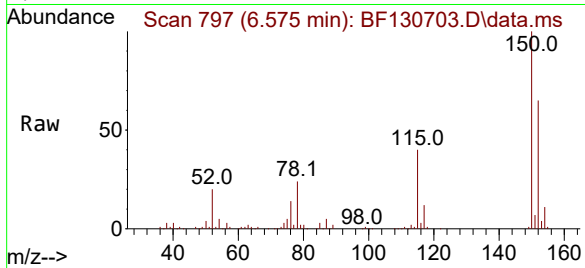




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130703.D
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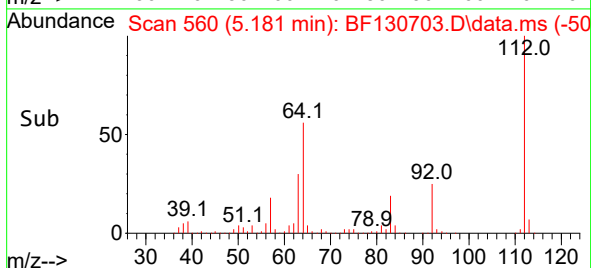
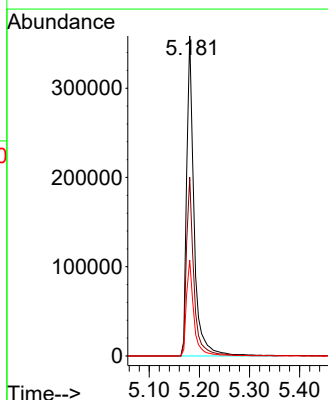
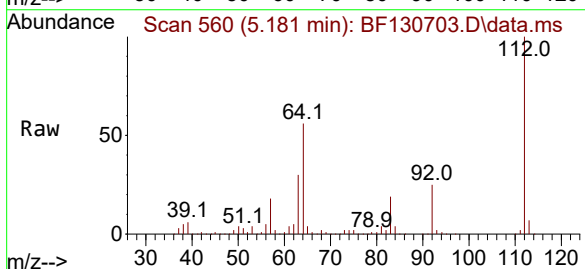
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

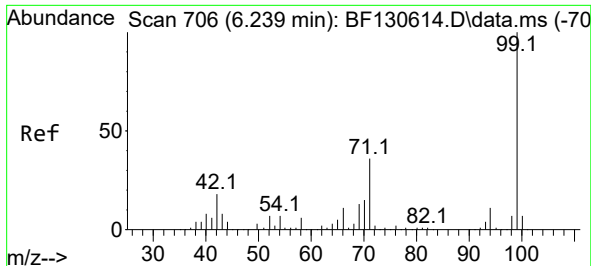
Tgt Ion:152 Resp: 63854
Ion Ratio Lower Upper
152 100
150 154.7 123.8 185.6
115 61.2 52.2 78.4



#5
2-Fluorophenol
Concen: 103.782 ng
RT: 5.181 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:112 Resp: 367641
Ion Ratio Lower Upper
112 100
64 55.9 43.5 65.3
63 30.0 22.6 34.0

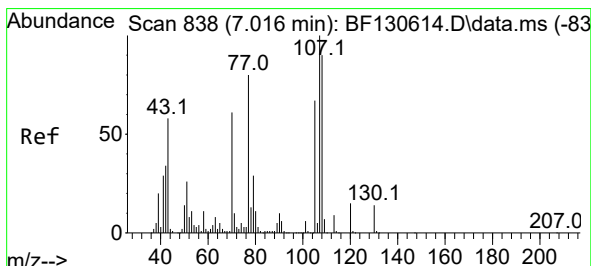
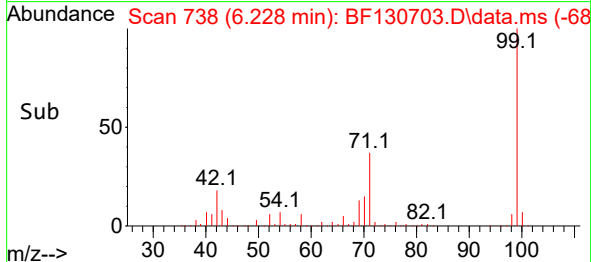
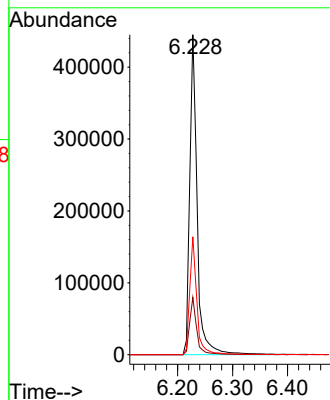
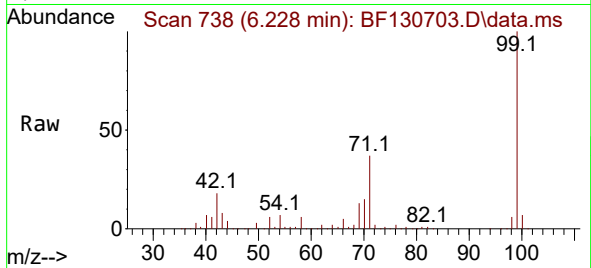




#7
Phenol-d6
Concen: 93.729 ng
RT: 6.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

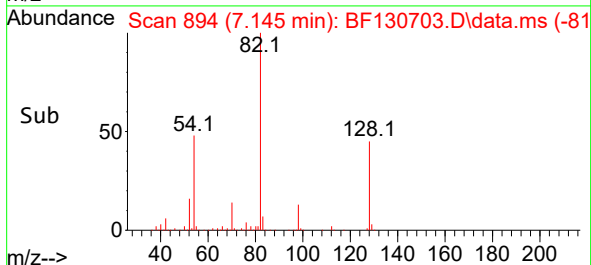
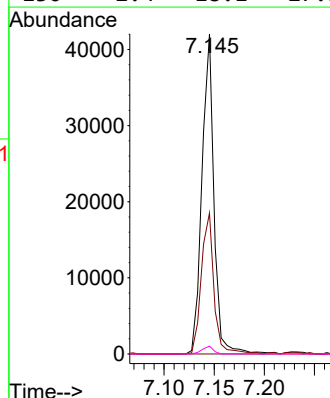
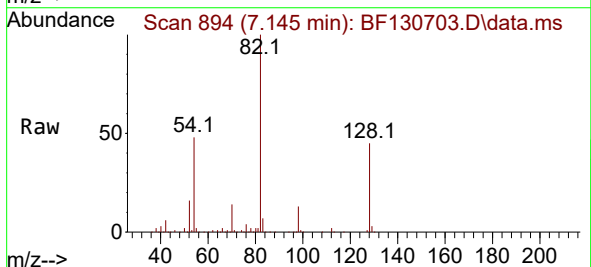
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

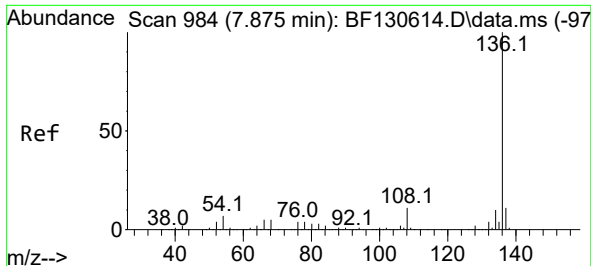
Tgt Ion: 99 Resp: 417454
Ion Ratio Lower Upper
99 100
42 17.9 14.0 21.0
71 36.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.267 ng
RT: 7.145 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion: 70 Resp: 35250
Ion Ratio Lower Upper
70 100
42 44.1 44.3 66.5#
101 0.0 7.9 11.9#
130 2.4 18.1 27.1#

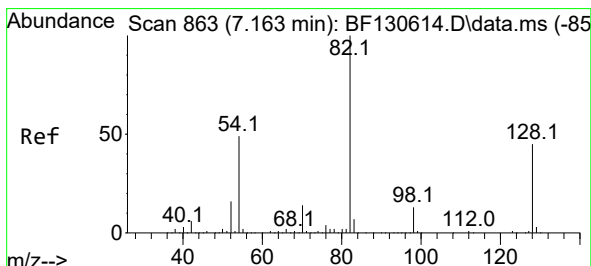
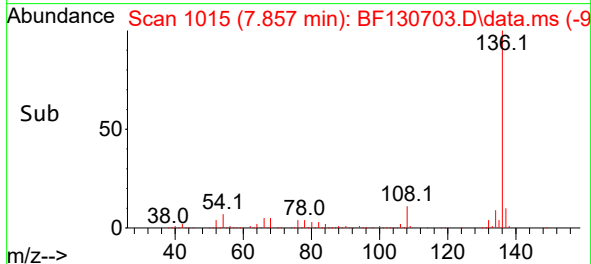
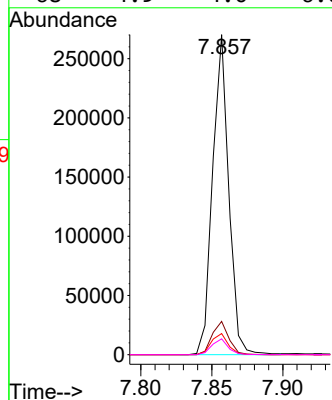
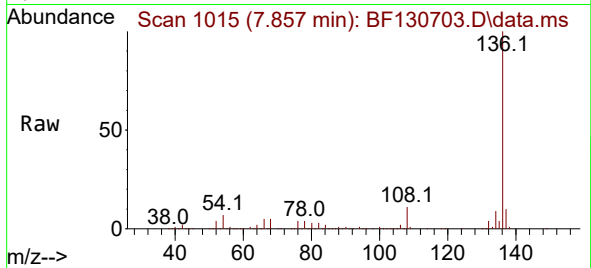




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

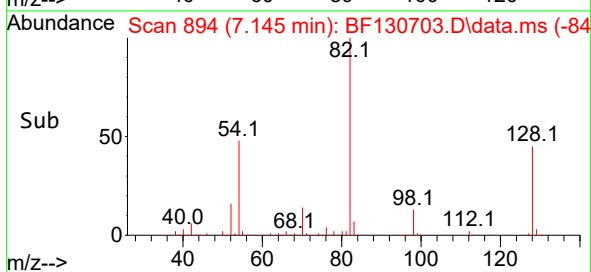
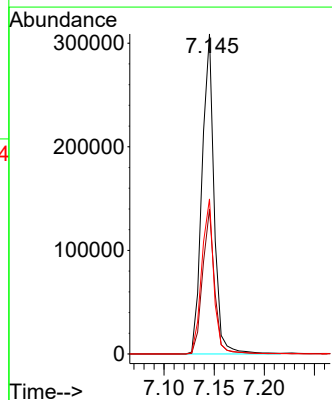
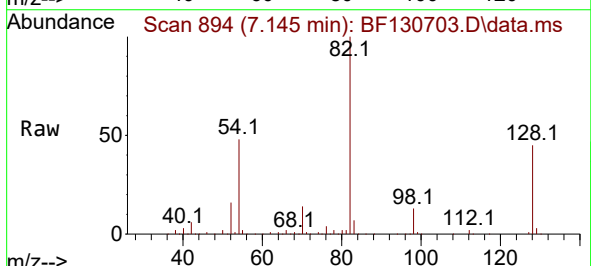
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BNA_F
ClientSampleId :
NB-08-101722

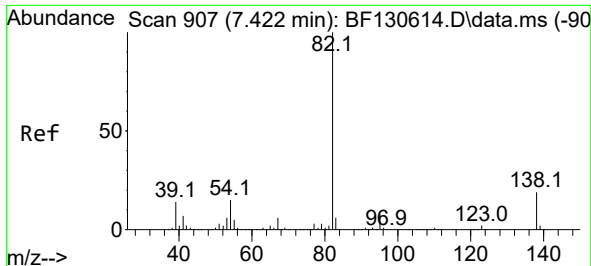
Tgt Ion:136 Resp: 213373
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 6.6 5.5 8.3
68 4.9 4.0 6.0



#23
Nitrobenzene-d5
Concen: 66.471 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion: 82 Resp: 259810
Ion Ratio Lower Upper
82 100
128 45.2 35.8 53.6
54 48.5 39.3 58.9

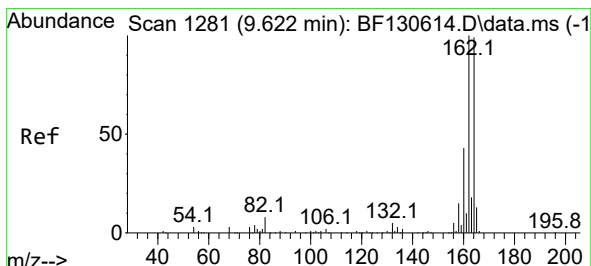
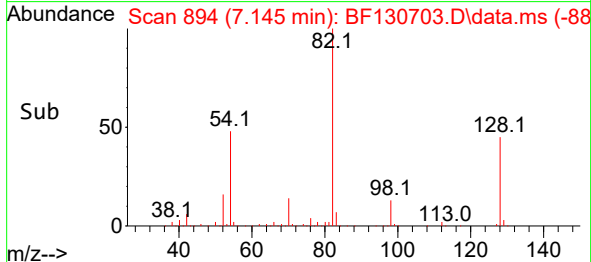
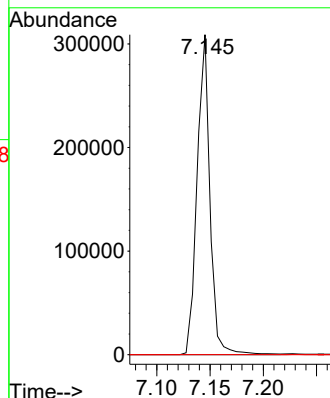
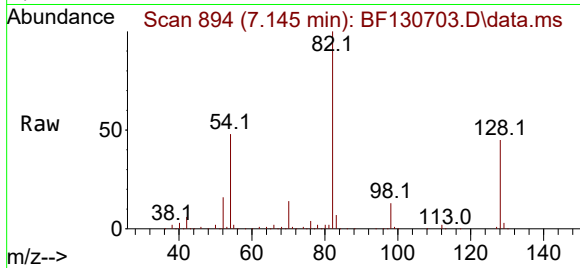




#25
Isophorone
Concen: 39.938 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

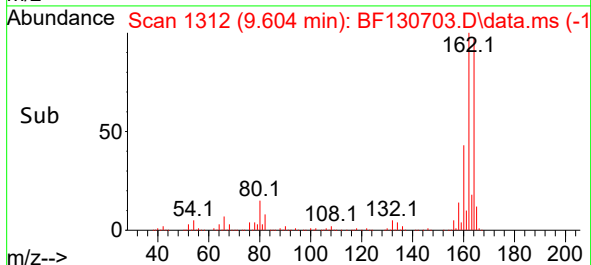
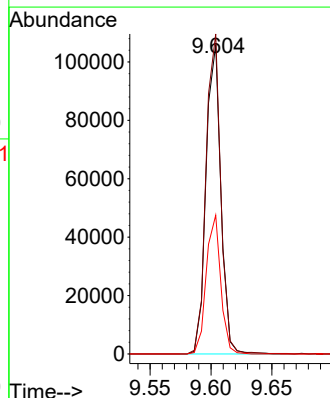
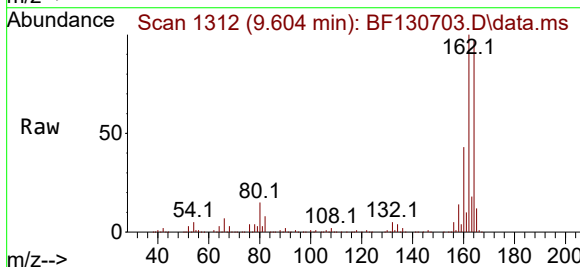
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

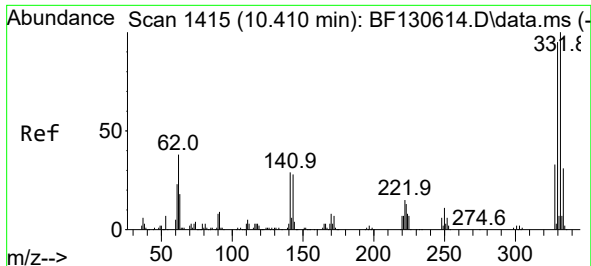
Tgt Ion: 82 Resp: 259807
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:164 Resp: 89482
Ion Ratio Lower Upper
164 100
162 103.5 81.0 121.4
160 44.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 100.212 ng

RT: 10.392 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

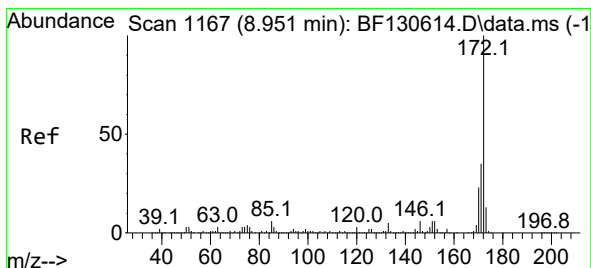
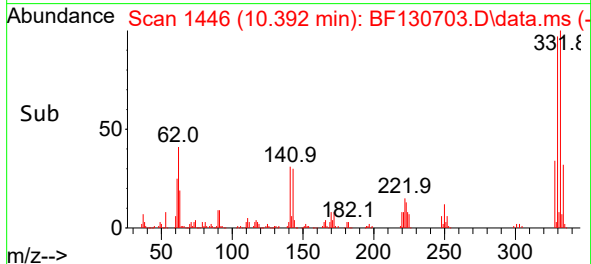
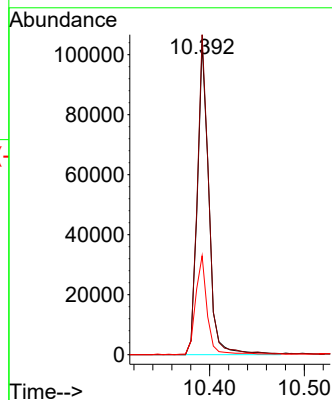
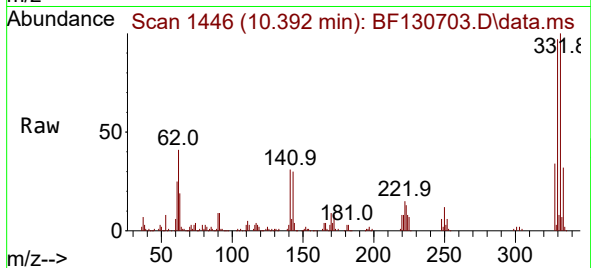
Tgt Ion:330 Resp: 87743

Ion Ratio Lower Upper

330 100

332 102.1 84.2 126.4

141 32.7 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 73.141 ng

RT: 8.933 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

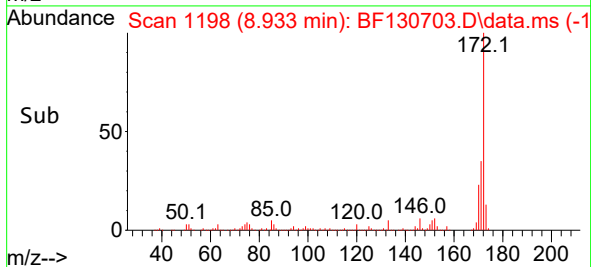
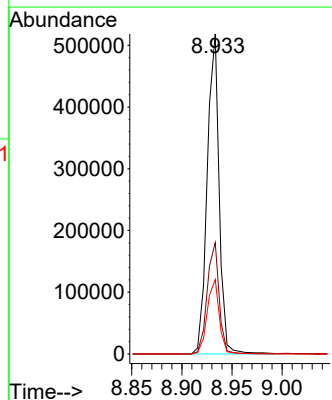
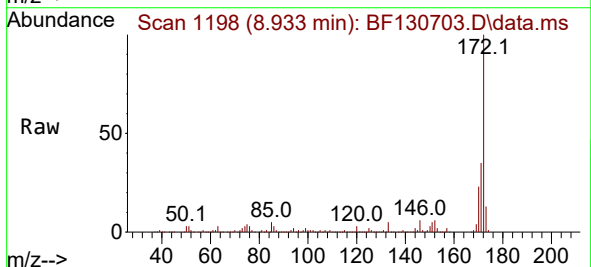
Tgt Ion:172 Resp: 432073

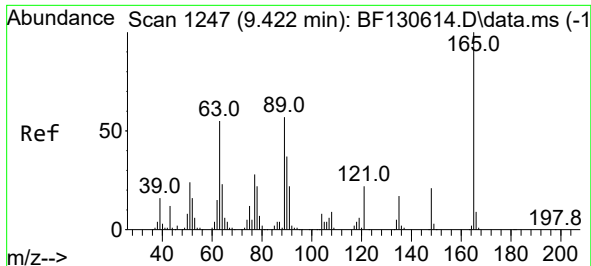
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

170 23.3 18.6 27.8

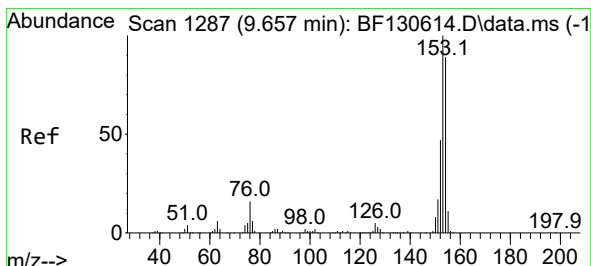
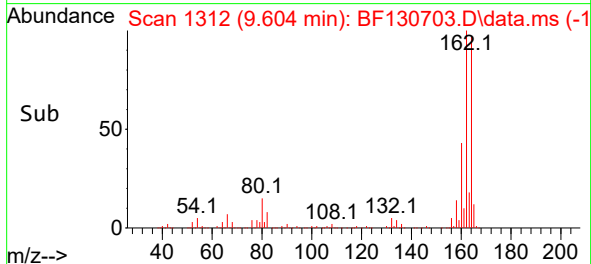
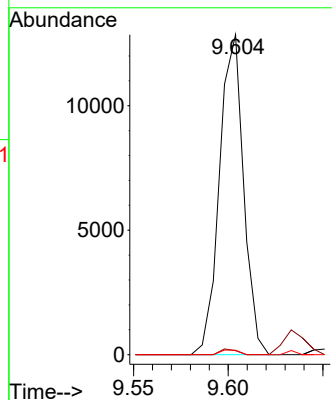
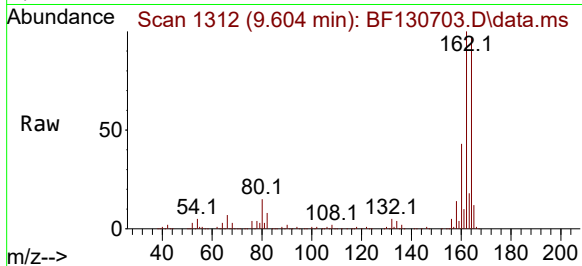




#51
2,6-Dinitrotoluene
Concen: 8.378 ng
RT: 9.604 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

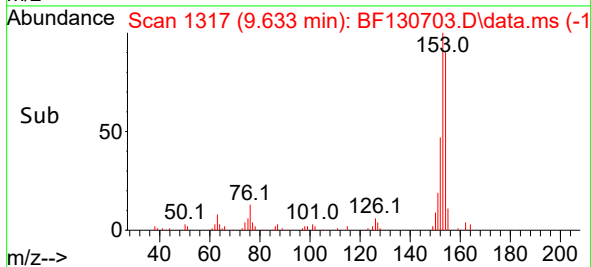
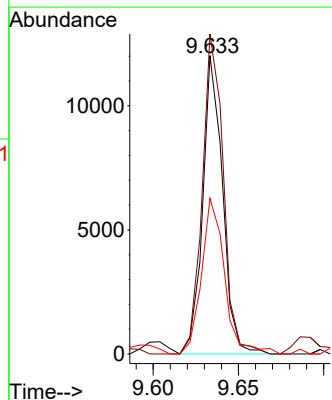
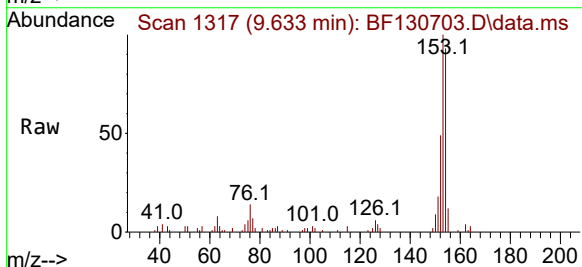
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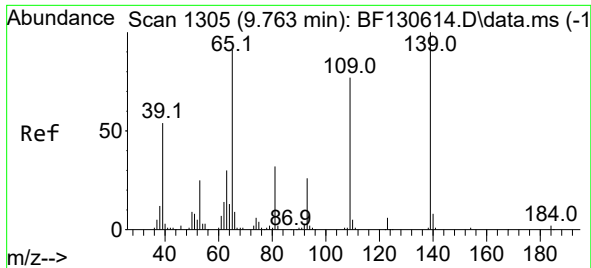
Tgt Ion:165 Resp: 11384
Ion Ratio Lower Upper
165 100
63 1.2 45.3 67.9#
89 1.4 45.6 68.4#



#52
Acenaphthene
Concen: 2.018 ng
RT: 9.633 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:154 Resp: 9710
Ion Ratio Lower Upper
154 100
153 107.2 89.6 134.4
152 52.2 42.4 63.6

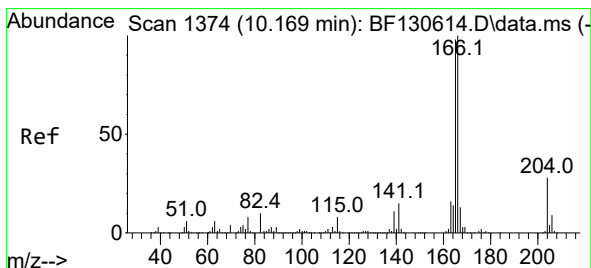
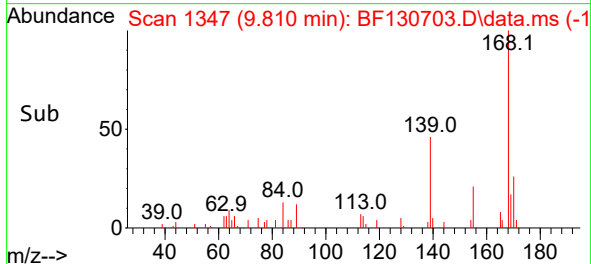
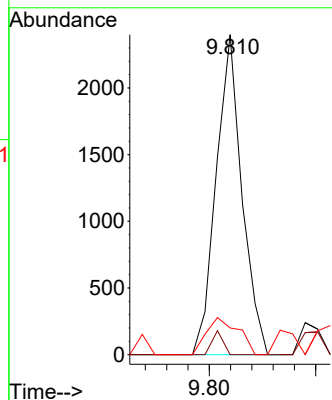
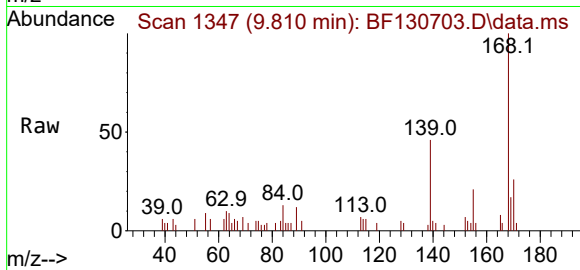




#56
4-Nitrophenol
Concen: 2.455 ng
RT: 9.810 min Scan# 1405
Delta R.T. 0.053 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

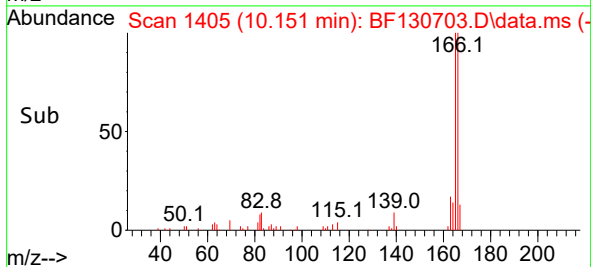
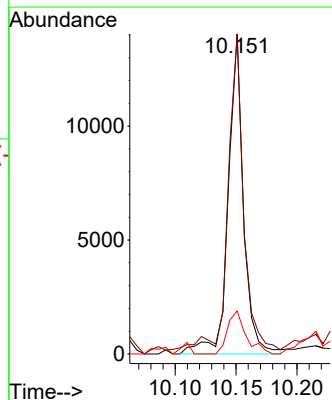
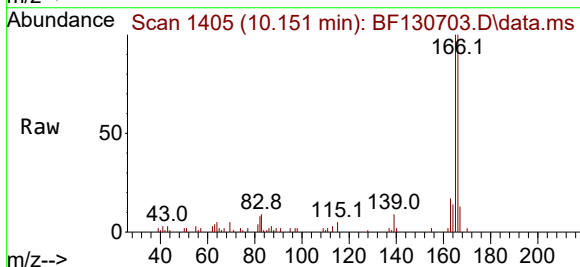
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

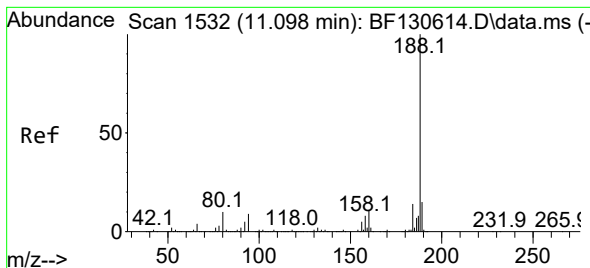
Tgt Ion:139 Resp: 2016
Ion Ratio Lower Upper
139 100
109 0.0 57.4 97.4#
65 8.3 71.3 111.3#



#58
Fluorene
Concen: 2.029 ng
RT: 10.151 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:166 Resp: 12227
Ion Ratio Lower Upper
166 100
165 99.9 78.2 117.4
167 13.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

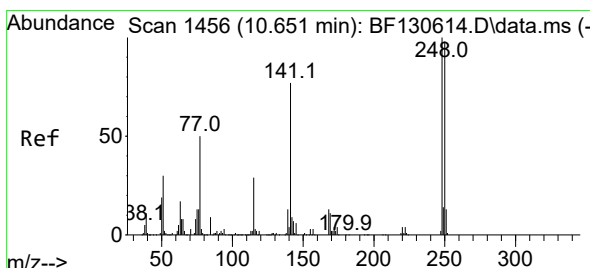
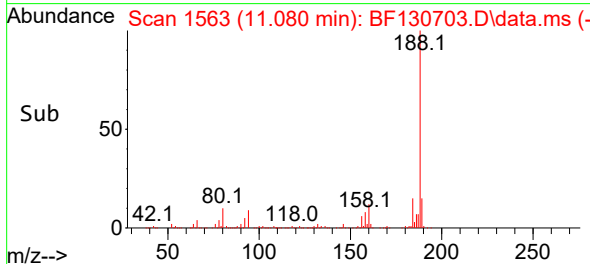
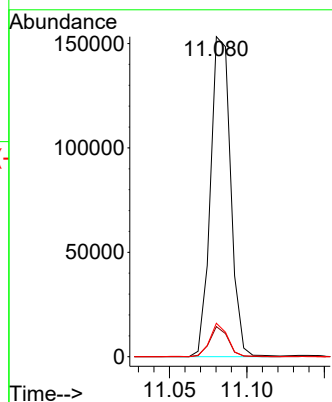
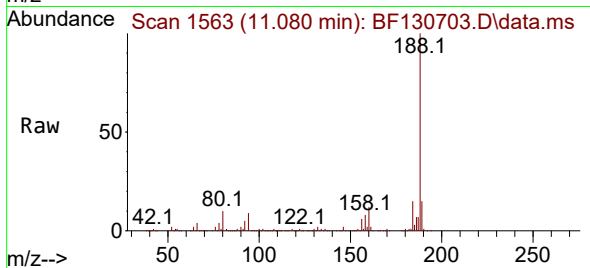
Tgt Ion:188 Resp: 138742

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.4 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.164 ng

RT: 10.392 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

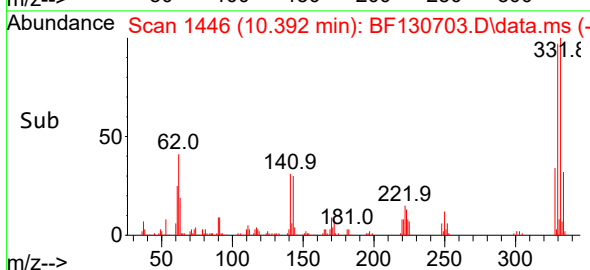
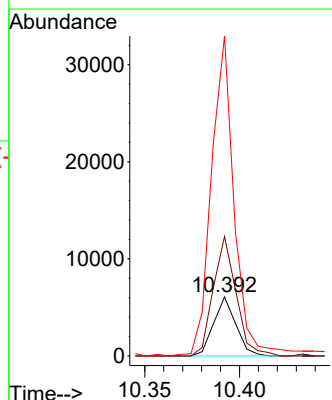
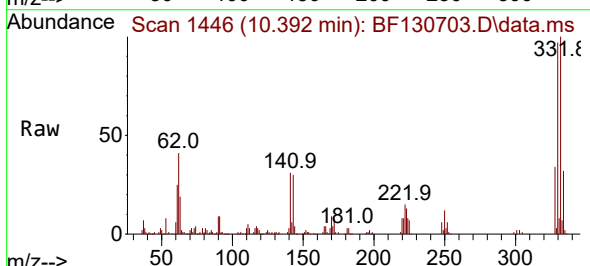
Tgt Ion:248 Resp: 4967

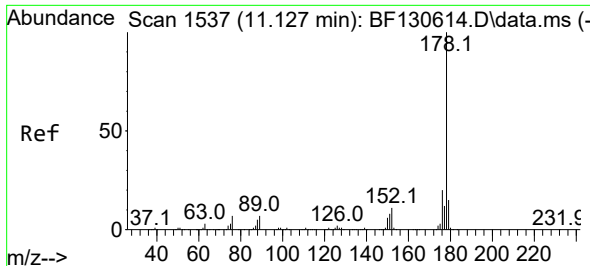
Ion Ratio Lower Upper

248 100

250 202.4 78.7 118.1#

141 541.9 61.6 92.4#

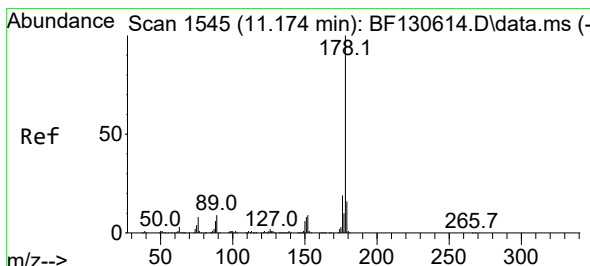
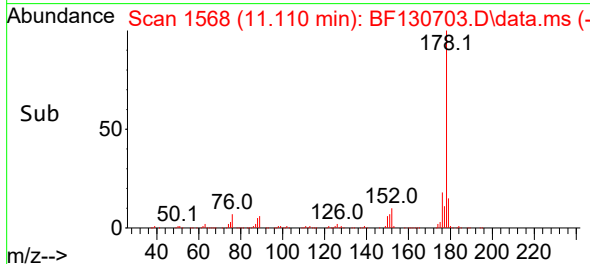
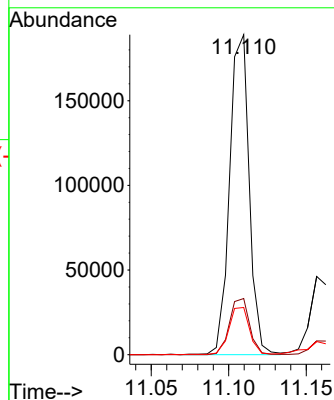
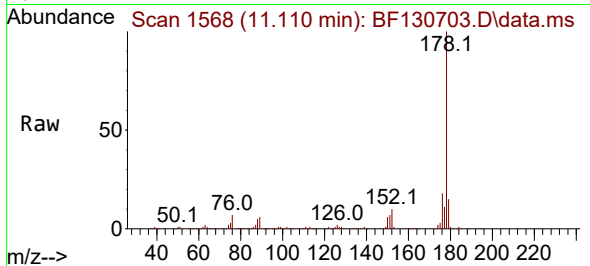




#71
Phenanthrene
Concen: 21.676 ng
RT: 11.110 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

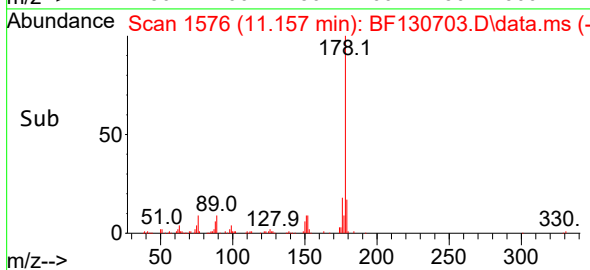
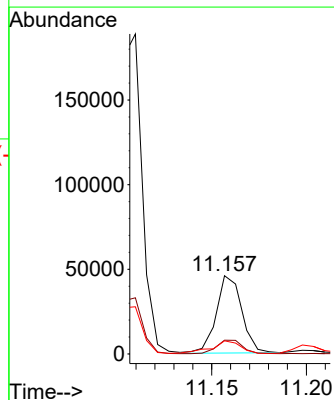
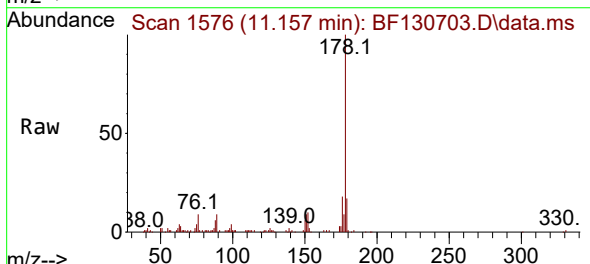
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

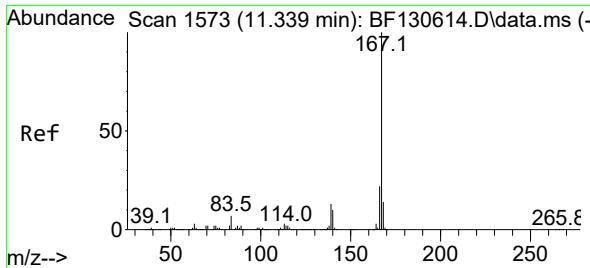
Tgt Ion:178 Resp: 166622
Ion Ratio Lower Upper
178 100
176 17.5 15.7 23.5
179 14.8 12.2 18.4



#72
Anthracene
Concen: 5.708 ng
RT: 11.157 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:178 Resp: 42852
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.4
179 16.7 12.5 18.7

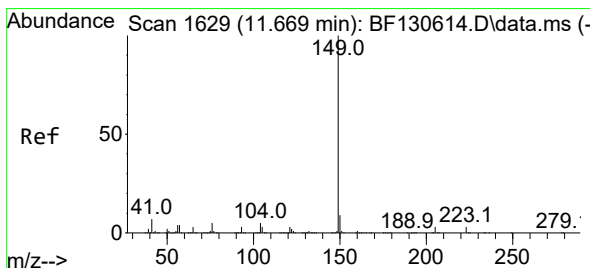
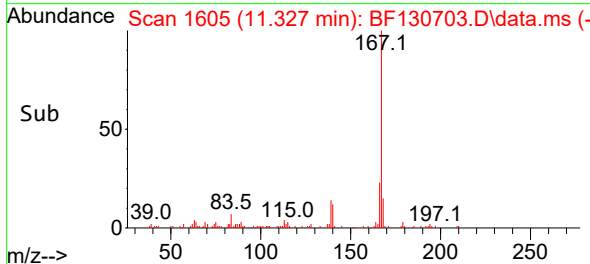
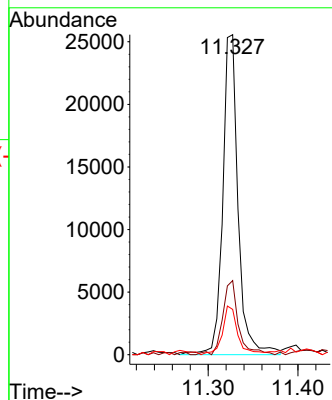
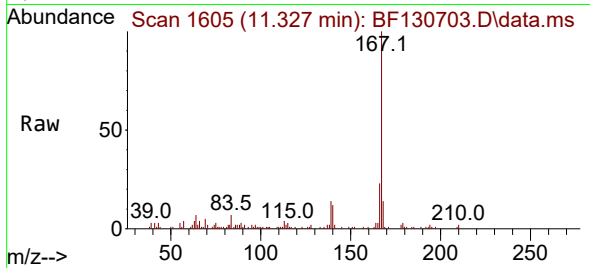




#73
 Carbazole
 Concen: 4.537 ng
 RT: 11.327 min Scan# 1605
 Delta R.T. -0.000 min
 Lab File: BF130703.D
 Acq: 18 Oct 2022 17:48

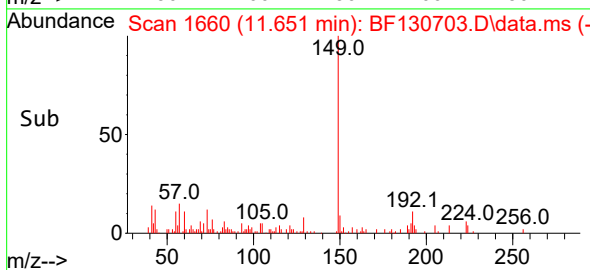
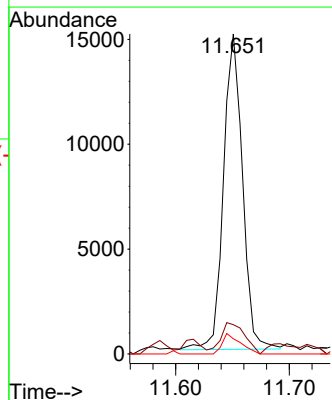
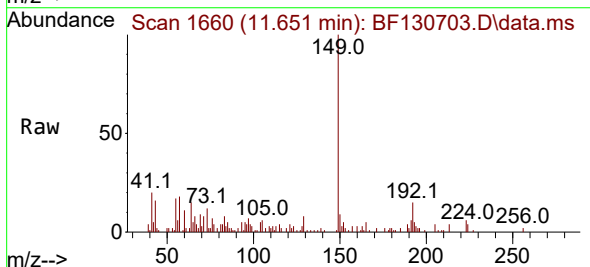
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

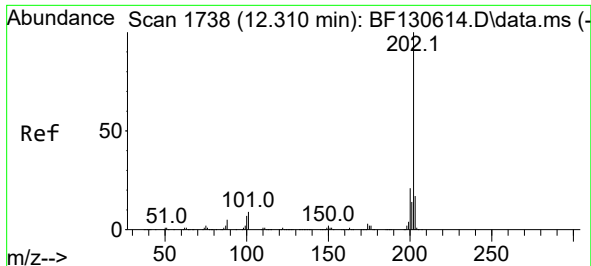
Tgt Ion:167 Resp: 30390
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.3 25.9
 139 14.2 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 2.159 ng
 RT: 11.651 min Scan# 1660
 Delta R.T. -0.006 min
 Lab File: BF130703.D
 Acq: 18 Oct 2022 17:48

Tgt Ion:149 Resp: 17521
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.8 4.2 6.2

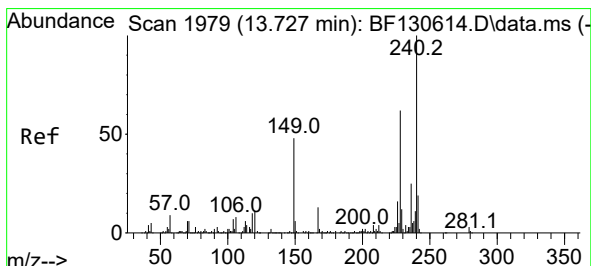
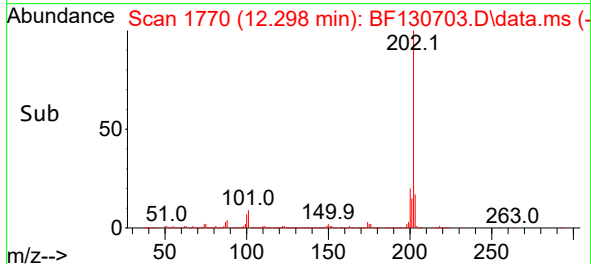
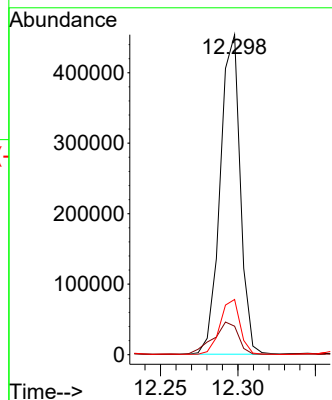
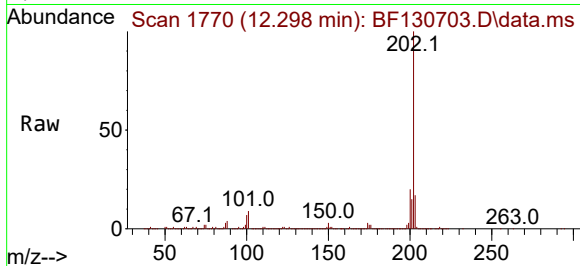




#75
Fluoranthene
Concen: 55.209 ng
RT: 12.298 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

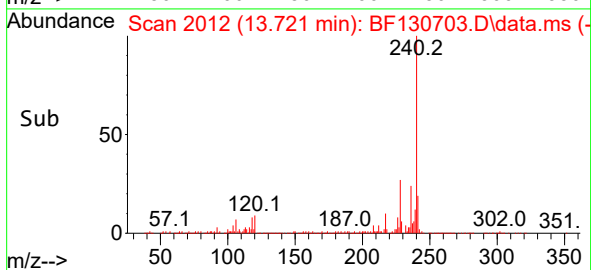
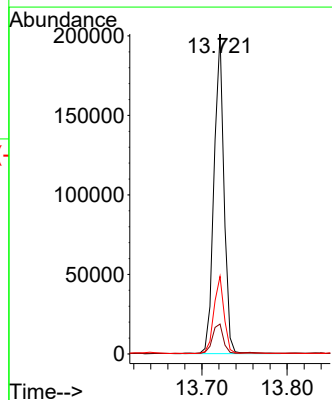
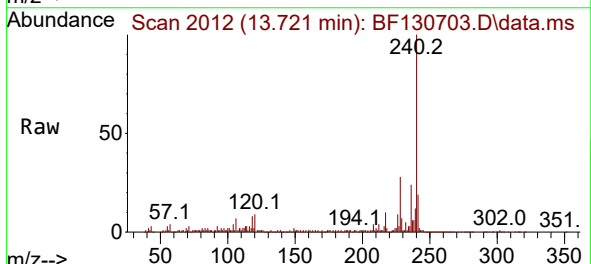
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

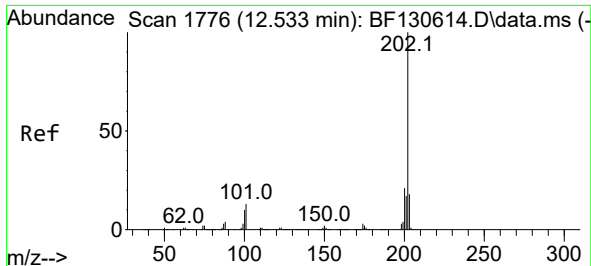
Tgt Ion:202 Resp: 407874
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.1
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.721 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:240 Resp: 163796
Ion Ratio Lower Upper
240 100
120 9.3 8.6 13.0
236 24.2 20.2 30.4

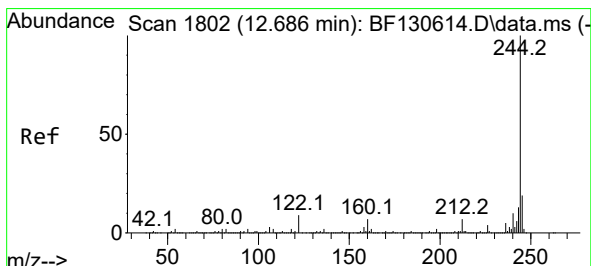
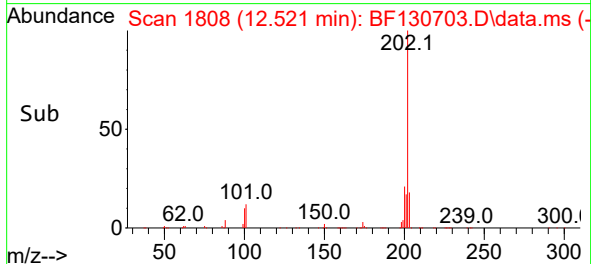
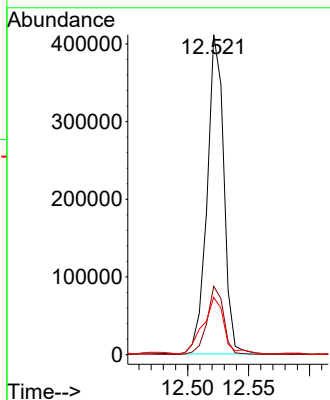
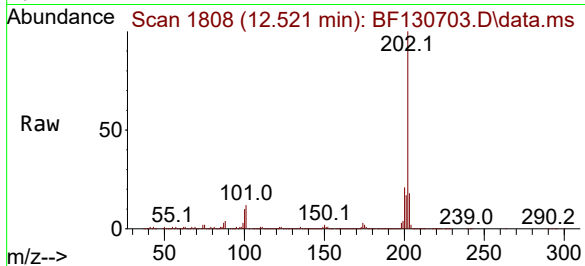




#78
Pyrene
Concen: 27.678 ng
RT: 12.521 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

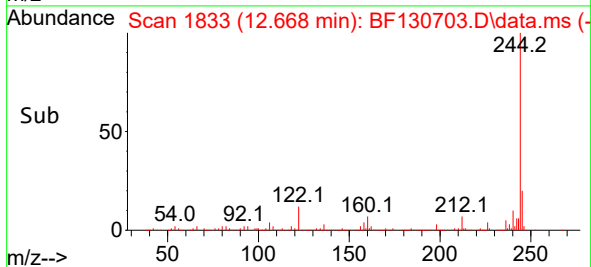
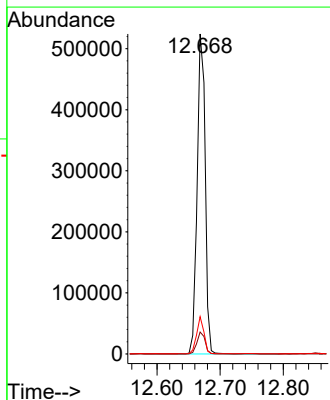
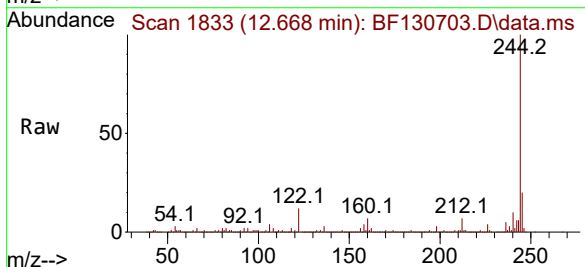
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

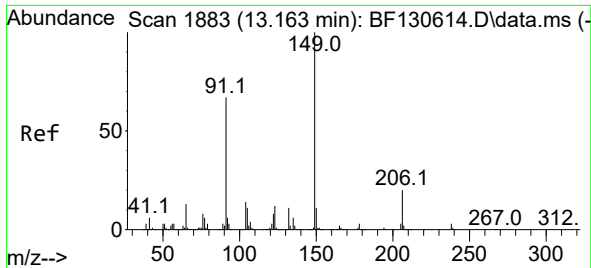
Tgt Ion:202 Resp: 391115
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 17.9 14.0 21.0



#79
Terphenyl-d14
Concen: 46.759 ng
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:244 Resp: 461461
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.6 7.5 11.3#

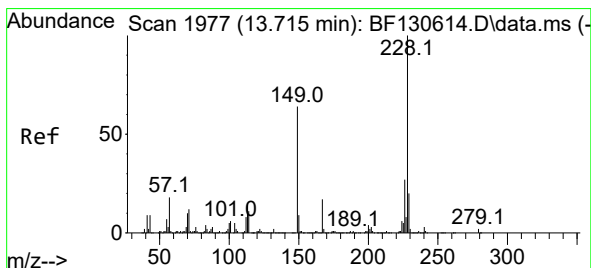
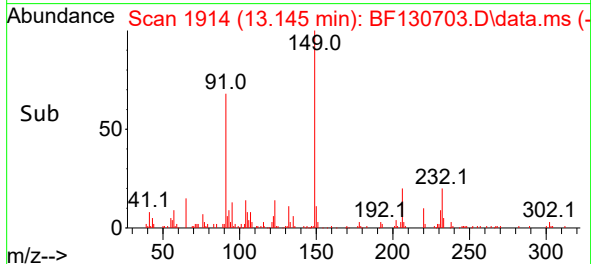
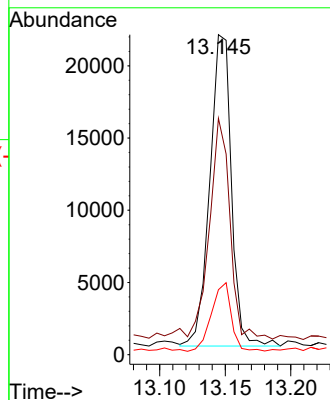
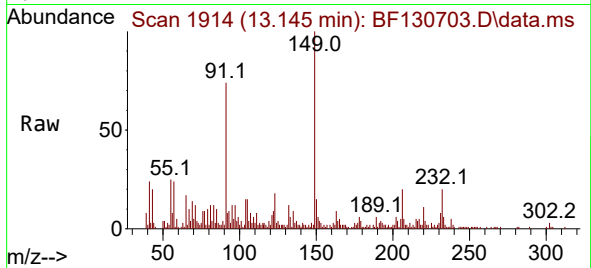




#80
Butylbenzylphthalate
Concen: 4.555 ng
RT: 13.145 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

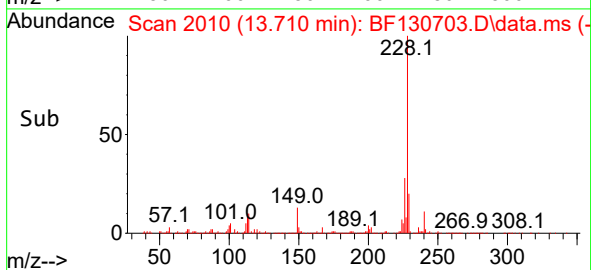
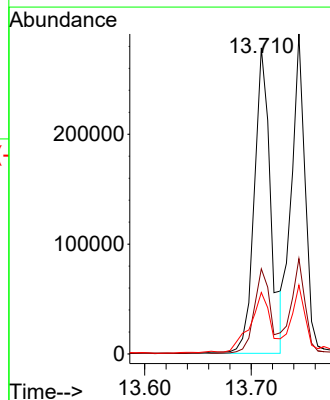
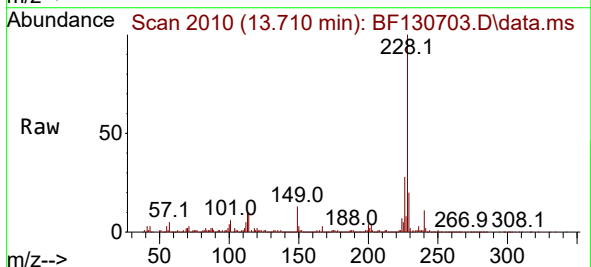
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

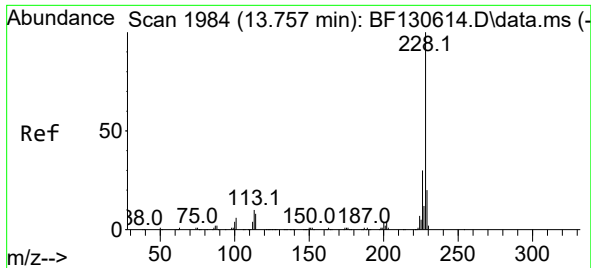
Tgt Ion:	149	Resp:	24750
Ion Ratio	Lower	Upper	
149	100		
91	73.9	53.8	80.8
206	20.3	15.8	23.6



#81
Benzo(a)anthracene
Concen: 26.623 ng
RT: 13.710 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:	228	Resp:	293827
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.4	32.2
229	20.1	15.8	23.8





#83

Chrysene

Concen: 24.959 ng

RT: 13.745 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

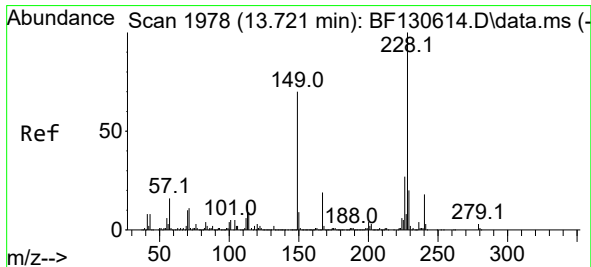
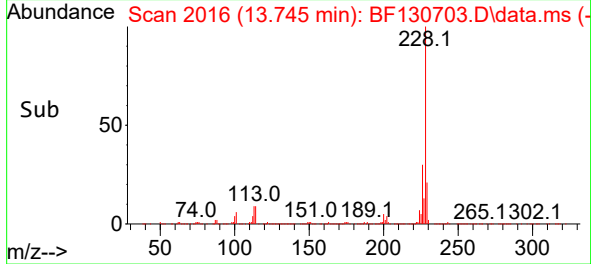
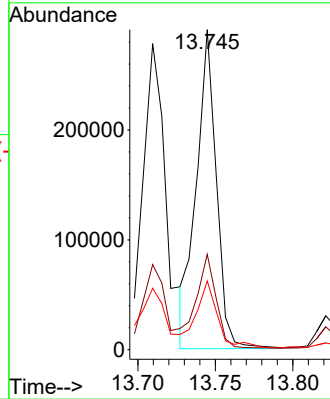
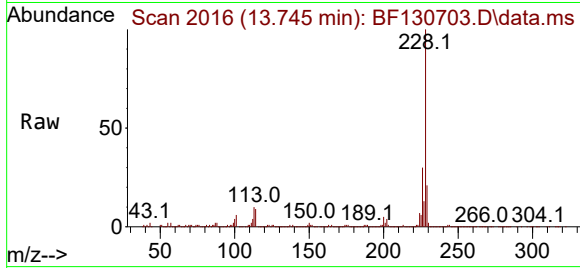
Tgt Ion:228 Resp: 261182

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 21.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.388 ng

RT: 13.710 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

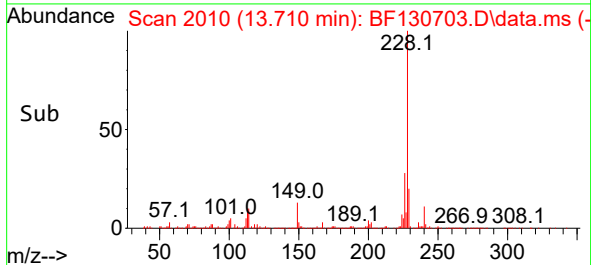
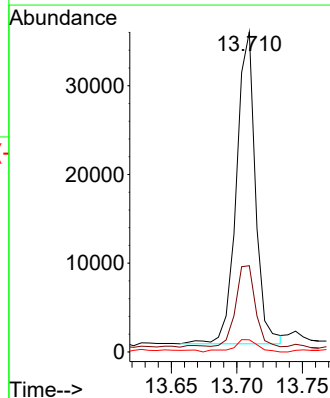
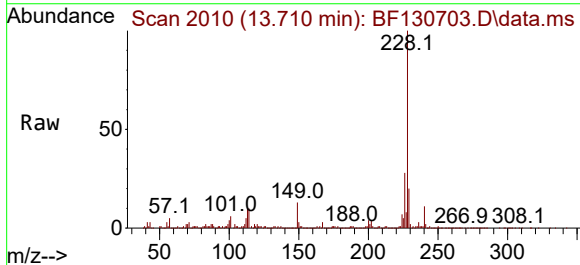
Tgt Ion:149 Resp: 35490

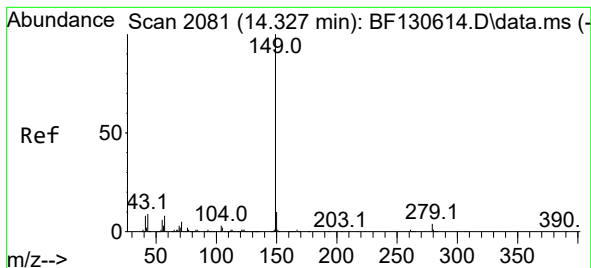
Ion Ratio Lower Upper

149 100

167 27.0 21.9 32.9

279 3.8 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 5.607 ng

RT: 14.315 min Scan# 2113

Delta R.T. -0.000 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

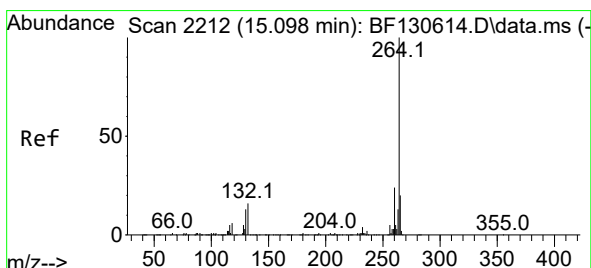
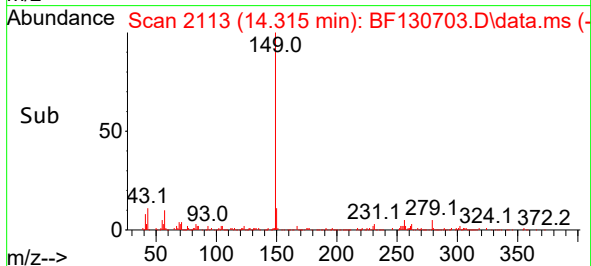
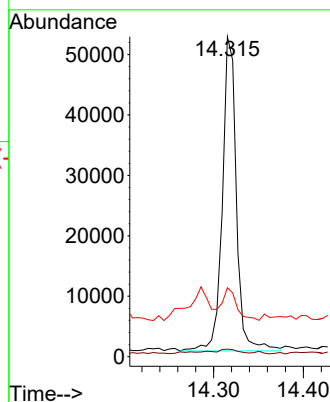
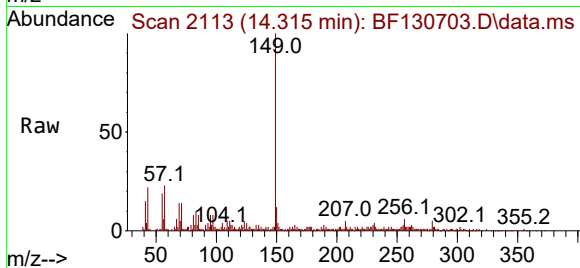
Tgt Ion:149 Resp: 56563

Ion Ratio Lower Upper

149 100

167 3.2 1.2 1.8#

43 11.2 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.098 min Scan# 2246

Delta R.T. 0.012 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

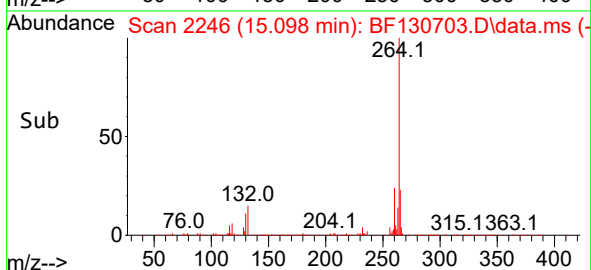
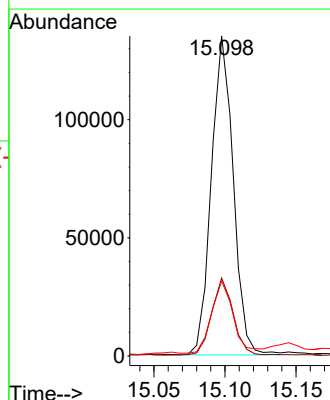
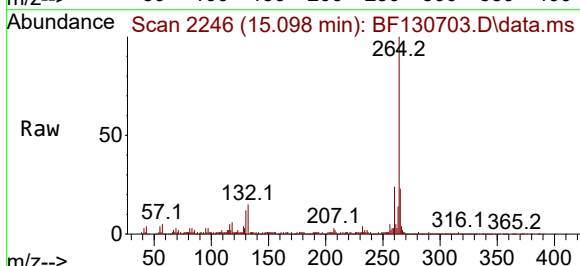
Tgt Ion:264 Resp: 144847

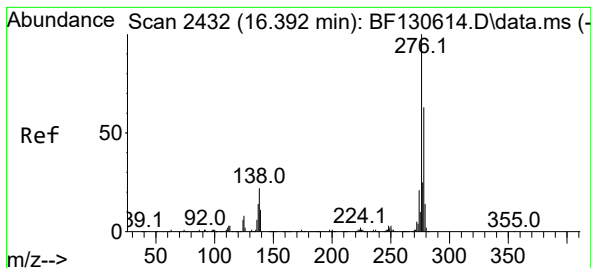
Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 23.4 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.008 ng

RT: 16.392 min Scan# 2432

Delta R.T. 0.012 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

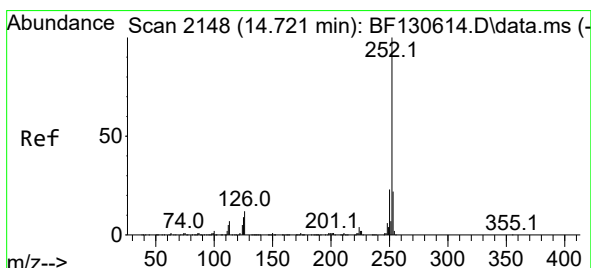
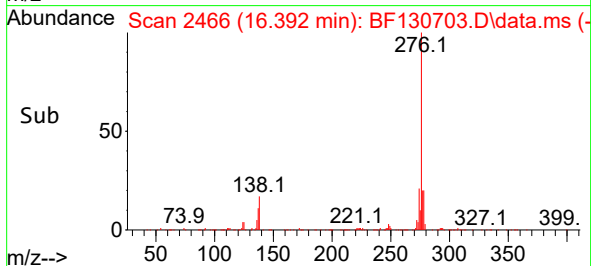
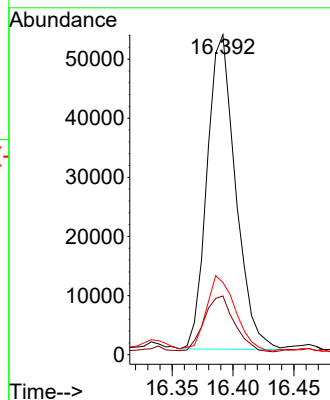
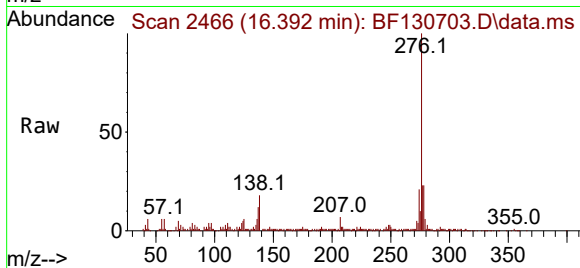
Tgt Ion:276 Resp: 86818

Ion Ratio Lower Upper

276 100

138 19.1 18.0 27.0

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 48.083 ng

RT: 14.721 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

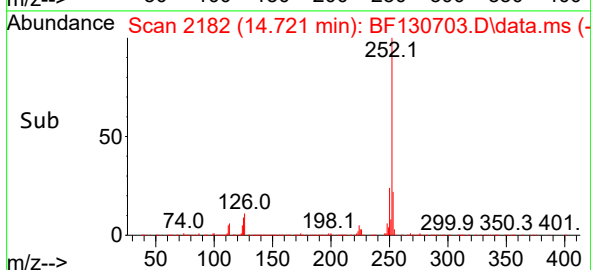
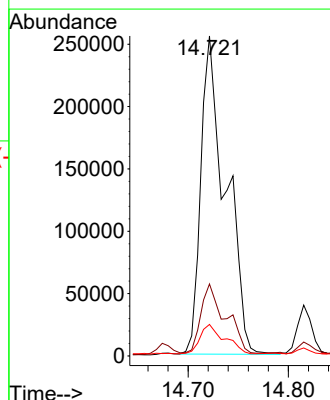
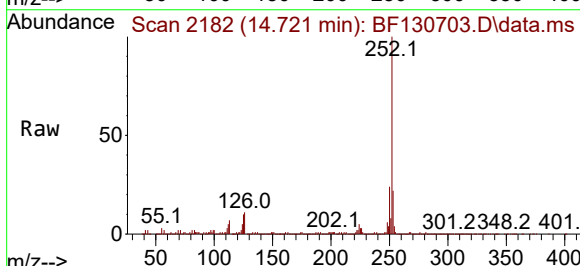
Tgt Ion:252 Resp: 441019

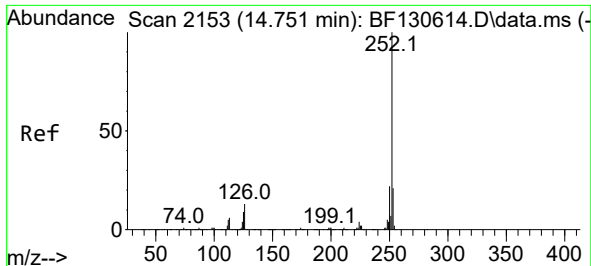
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 9.9 7.4 11.0

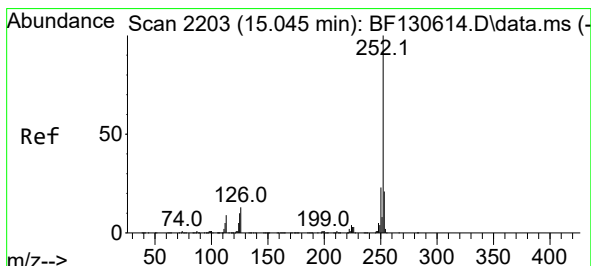
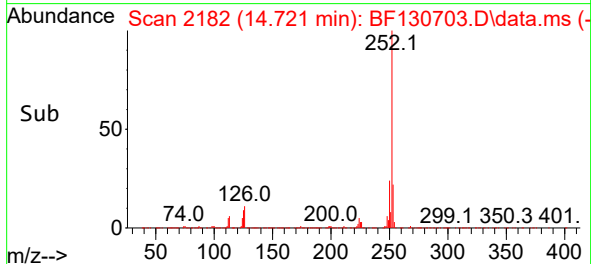
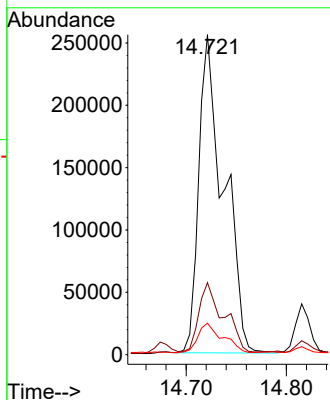
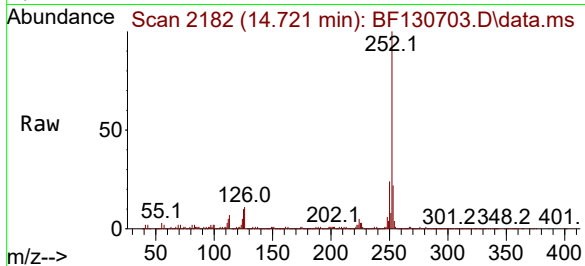




#89
Benzo(k)fluoranthene
Concen: 47.223 ng
RT: 14.721 min Scan# 2153
Delta R.T. -0.018 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

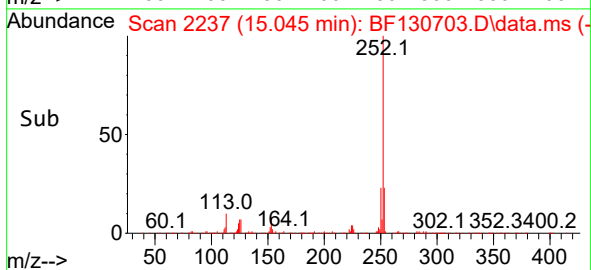
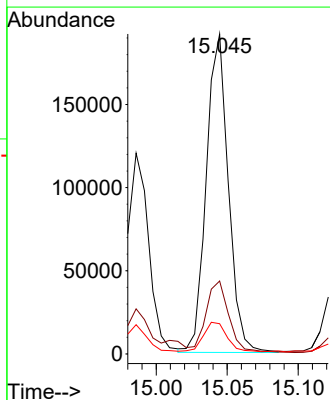
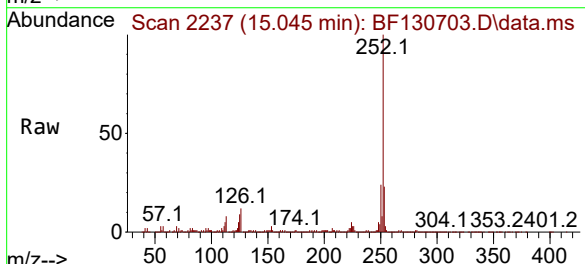
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

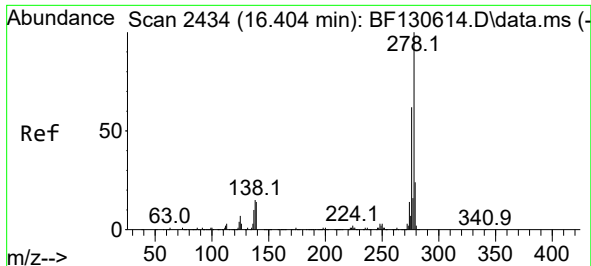
Tgt Ion:252 Resp: 441019
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 9.9 7.2 10.8



#90
Benzo(a)pyrene
Concen: 27.093 ng
RT: 15.045 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:252 Resp: 206823
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.4 8.4 12.6

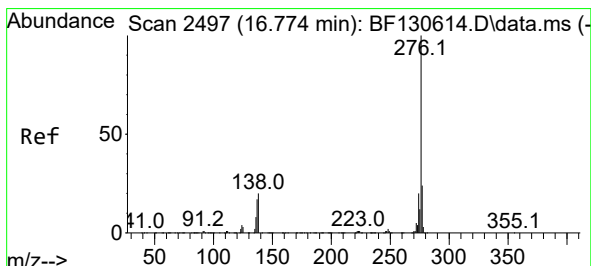
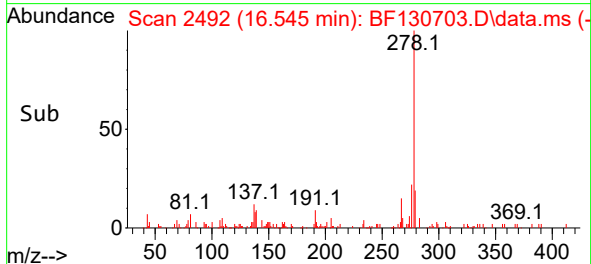
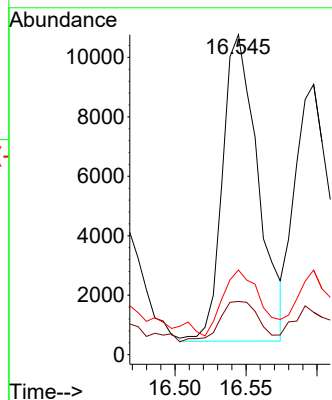
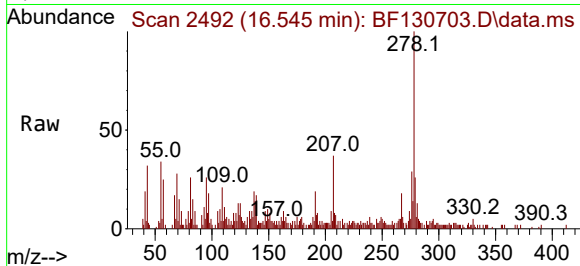




#91
Dibenzo(a,h)anthracene
Concen: 2.019 ng
RT: 16.545 min Scan# 2434
Delta R.T. 0.153 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :
BNA_F
ClientSampleId :
NB-08-101722

Tgt Ion:278 Resp: 17941
Ion Ratio Lower Upper
278 100
139 16.6 11.1 16.7
279 26.4 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 10.029 ng
RT: 16.780 min Scan# 2532
Delta R.T. 0.012 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:276 Resp: 83008
Ion Ratio Lower Upper
276 100
277 25.3 18.9 28.3
138 17.8 15.9 23.9

