

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131798.D
 Acq On : 23 Dec 2022 02:45
 Operator : CG\JU
 Sample : N6151-05DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-01-(0-2)DL

Quant Time: Dec 23 03:39:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

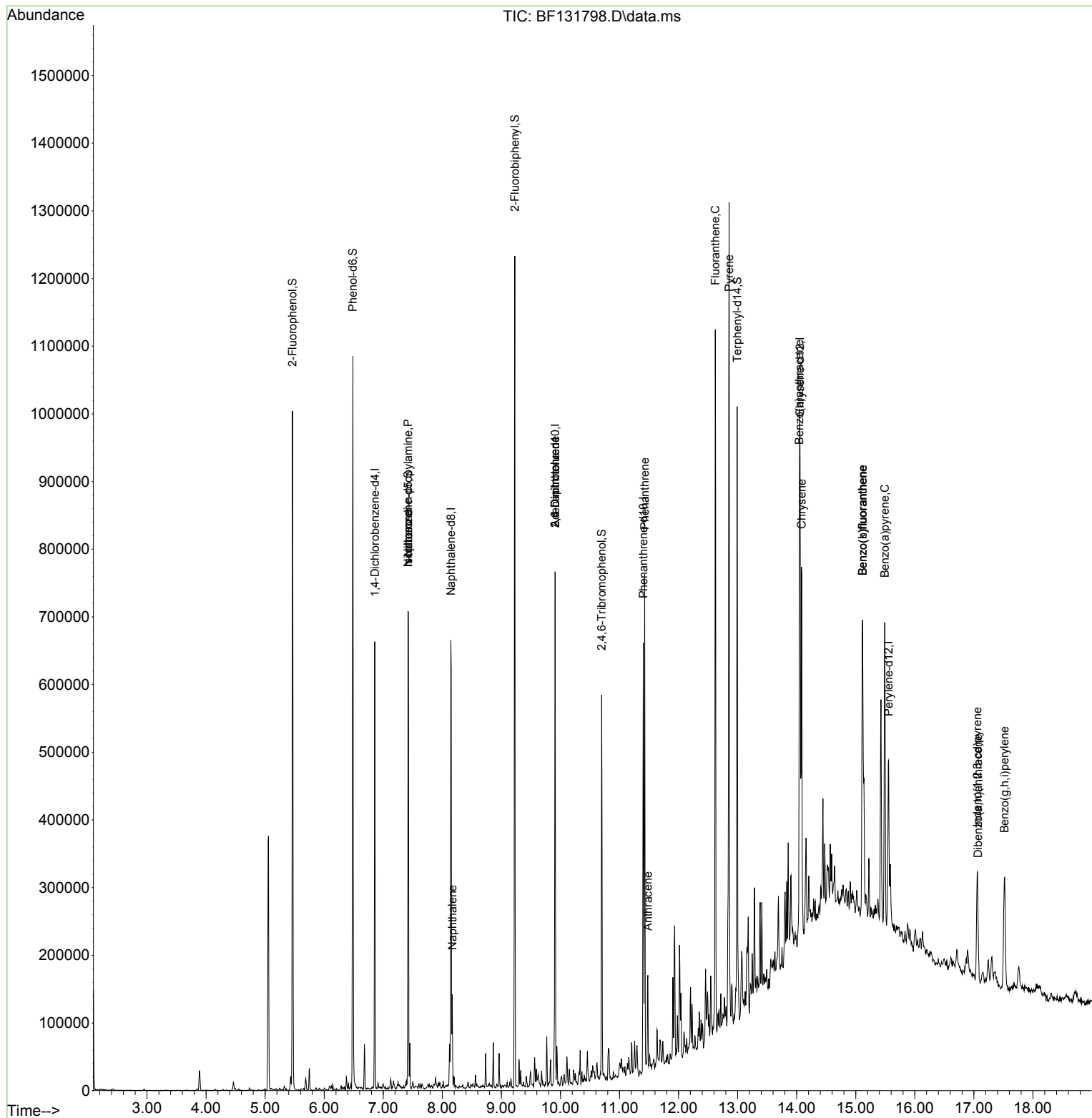
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	81535	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	265884	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	126460	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	211197	20.000	ng	0.00
76) Chrysene-d12	14.057	240	154291	20.000	ng	0.00
86) Perylene-d12	15.557	264	117283	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	231196	47.747	ng	0.00
7) Phenol-d6	6.487	99	304099	46.660	ng	0.00
23) Nitrobenzene-d5	7.422	82	217316	33.181	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	53140	38.392	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	324325	35.926	ng	0.00
79) Terphenyl-d14	12.992	244	275304	27.809	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	1159	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.422	70	30242	6.434 ng	#	81
25) Isophorone	7.422	82	216010	19.421 ng	#	70
31) Naphthalene	8.169	128	42227	2.908 ng		97
51) 2,6-Dinitrotoluene	9.910	165	17499	8.553 ng	#	19
57) 2,4-Dinitrotoluene	9.910	165	17499	6.365 ng	#	18
71) Phenanthrene	11.427	178	222765	19.343 ng		99
72) Anthracene	11.480	178	53224	4.720 ng		99
75) Fluoranthene	12.621	202	388007	30.252 ng		98
78) Pyrene	12.857	202	481901	34.353 ng		100
81) Benzo(a)anthracene	14.045	228	250017	22.499 ng		95
83) Chrysene	14.086	228	230747	22.001 ng		97
87) Indeno(1,2,3-cd)pyrene	17.056	276	117242	14.883 ng		97
88) Benzo(b)fluoranthene	15.115	252	327807	39.506 ng	#	97
89) Benzo(k)fluoranthene	15.115	252	327807	40.486 ng	#	98
90) Benzo(a)pyrene	15.492	252	210347	32.004 ng		99
91) Dibenzo(a,h)anthracene	17.068	278	26051	4.002 ng	#	90
92) Benzo(g,h,i)perylene	17.521	276	147820	22.973 ng		98

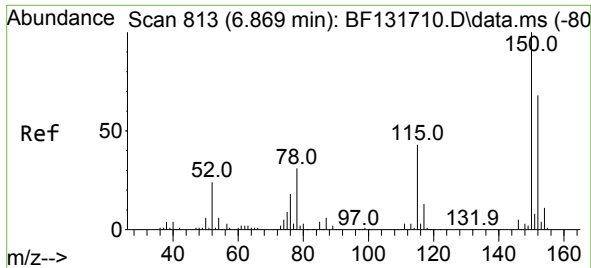
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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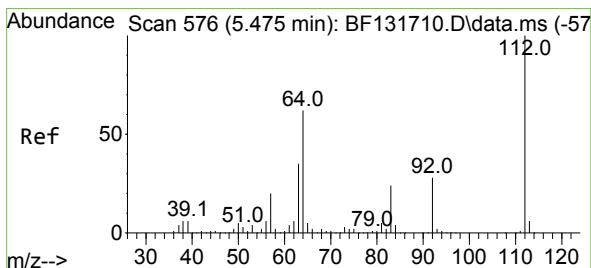
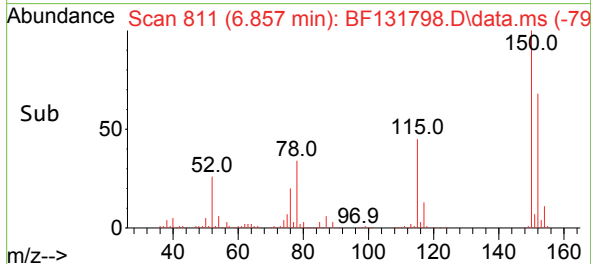
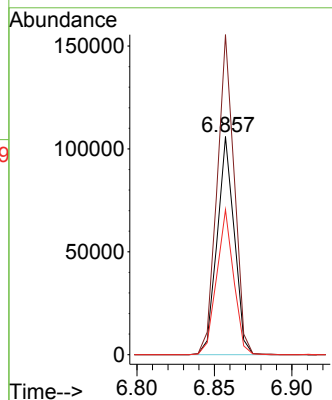
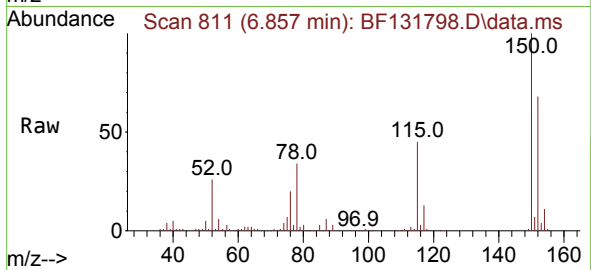




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

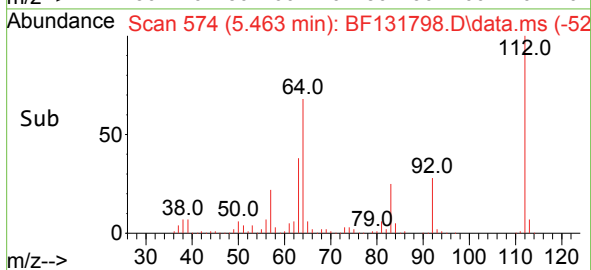
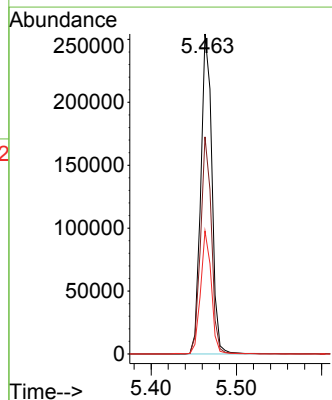
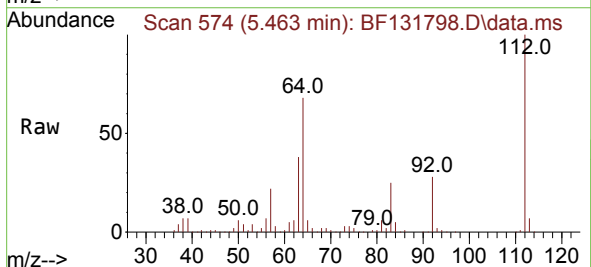
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL

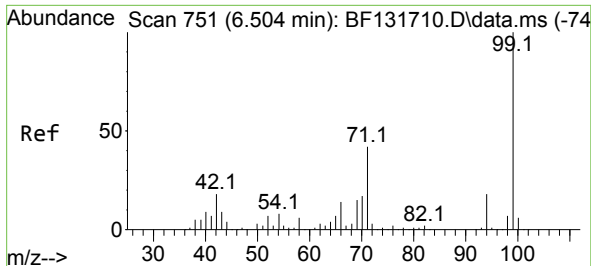
Tgt Ion:152 Resp: 81535
Ion Ratio Lower Upper
152 100
150 146.8 117.4 176.0
115 66.5 50.2 75.4



#5
2-Fluorophenol
Concen: 47.747 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:112 Resp: 231196
Ion Ratio Lower Upper
112 100
64 67.9 49.5 74.3
63 38.4 28.2 42.2

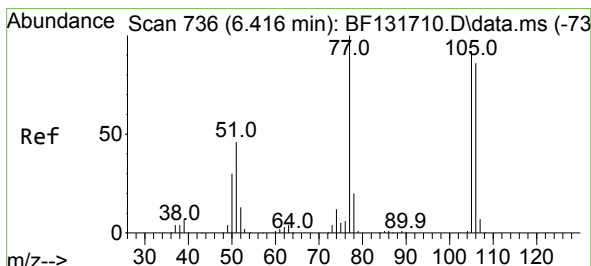
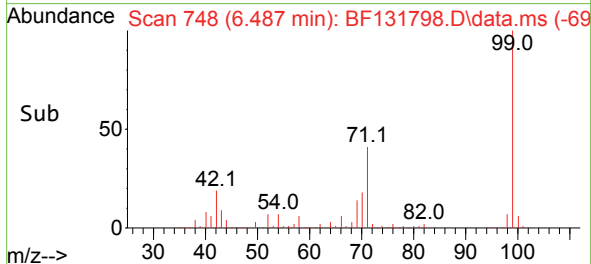
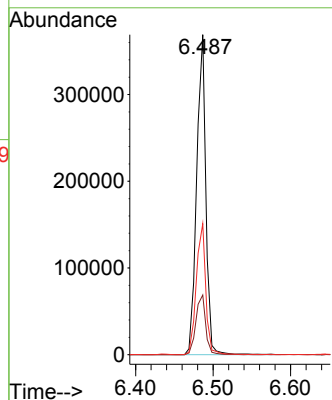
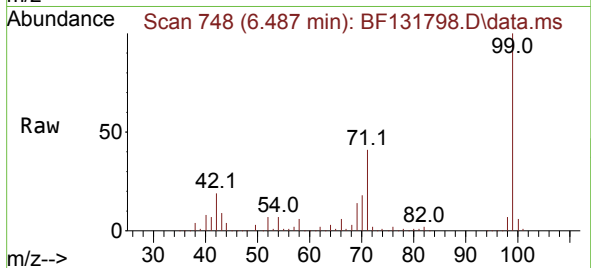




#7
Phenol-d6
Concen: 46.660 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

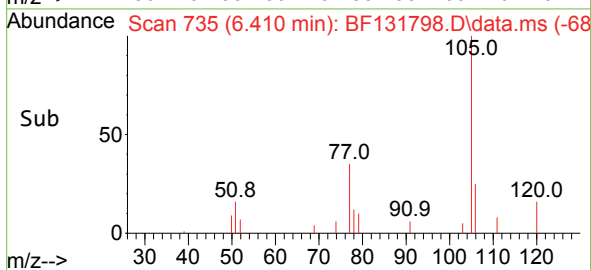
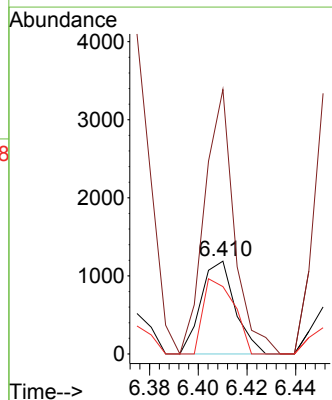
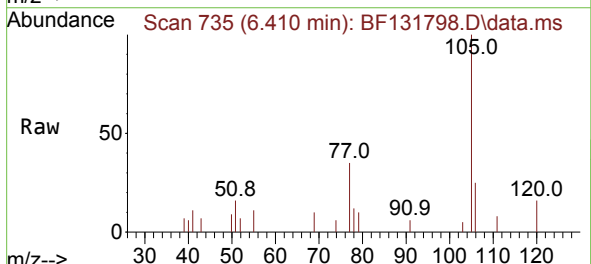
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL

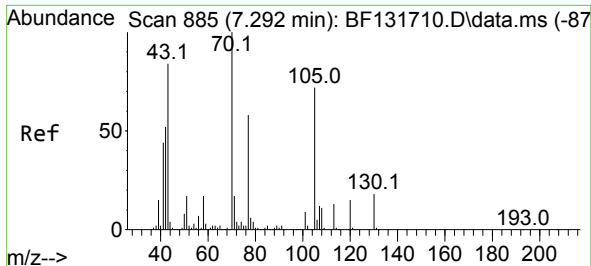
Tgt Ion: 99 Resp: 304099
Ion Ratio Lower Upper
99 100
42 18.7 14.8 22.2
71 40.9 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion: 77 Resp: 1159
Ion Ratio Lower Upper
77 100
105 284.9 72.4 112.4#
106 72.5 66.5 106.5

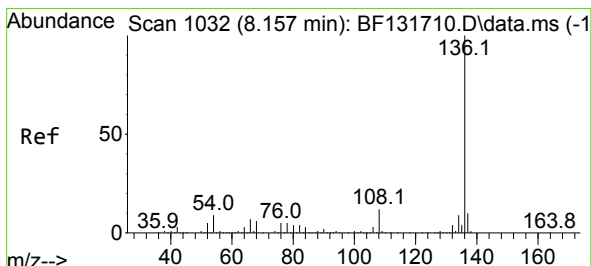
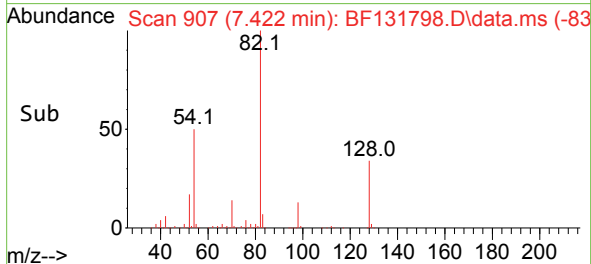
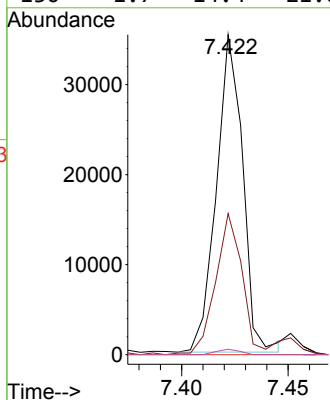
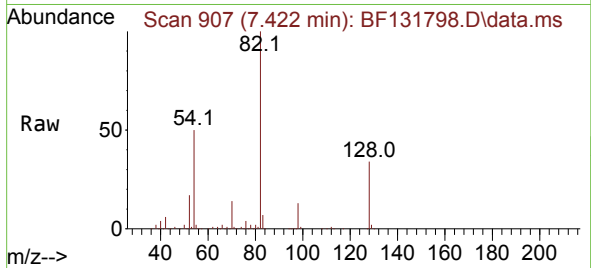




#19
n-Nitroso-di-n-propylamine
Concen: 6.434 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

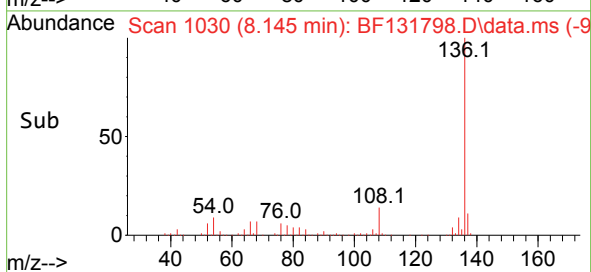
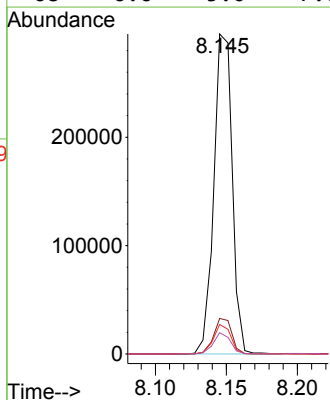
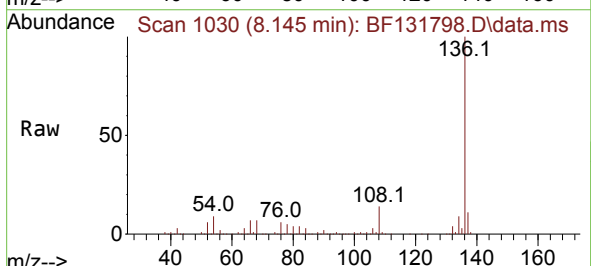
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL

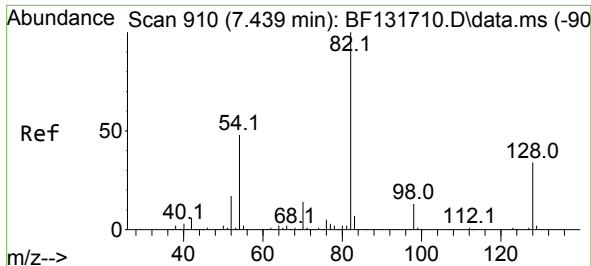
Tgt Ion: 70	Resp: 30242
Ion Ratio	Lower Upper
70 100	
42 44.1	41.5 62.3
101 0.0	7.3 10.9#
130 1.7	14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt	Ion:136	Resp:	265884
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.2	7.2	10.8
68	6.6	5.0	7.6





#23

Nitrobenzene-d5

Concen: 33.181 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

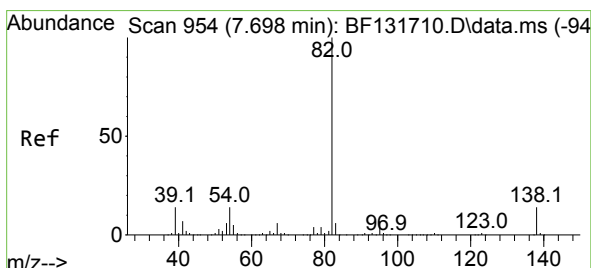
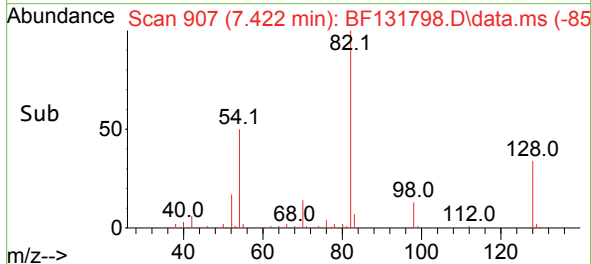
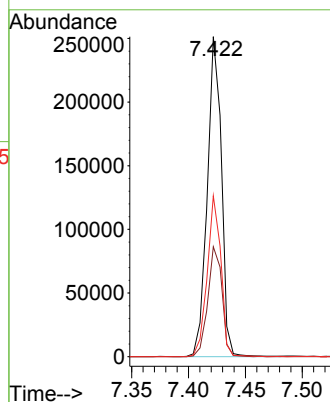
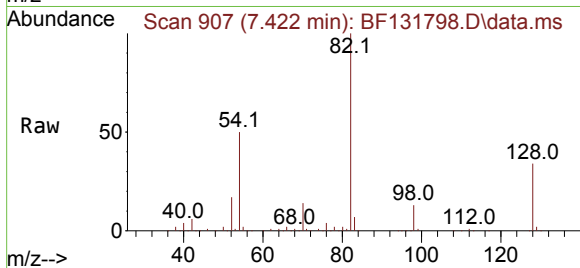
Tgt Ion: 82 Resp: 217316

Ion Ratio Lower Upper

82 100

128 34.3 27.3 40.9

54 50.3 38.2 57.2



#25

Isophorone

Concen: 19.421 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.265 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

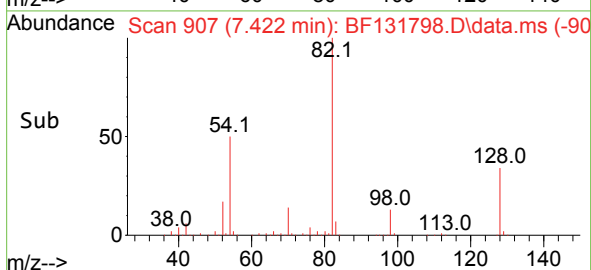
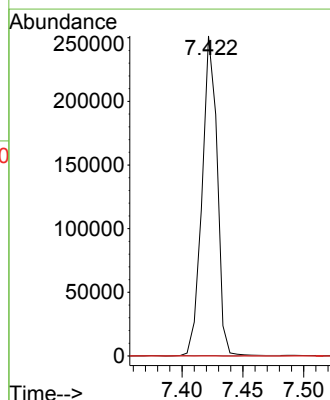
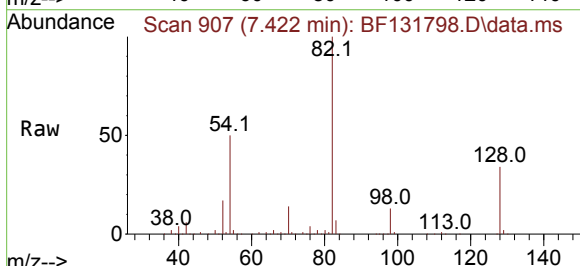
Tgt Ion: 82 Resp: 216010

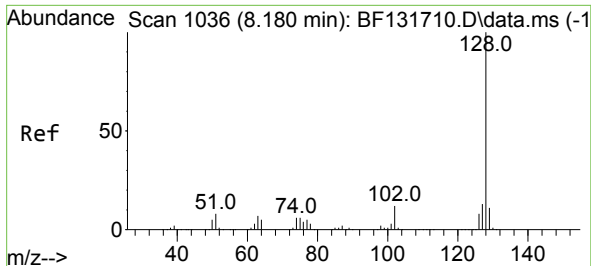
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 11.6 17.4#

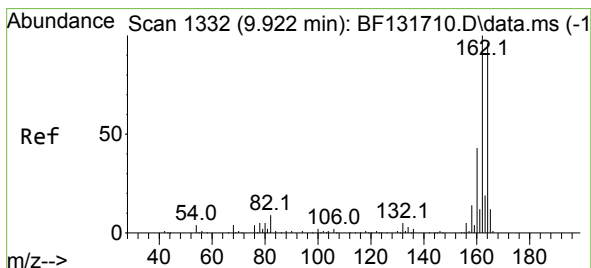
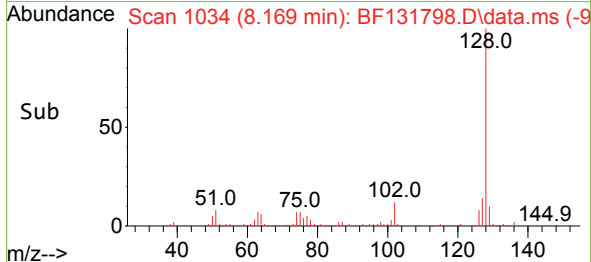
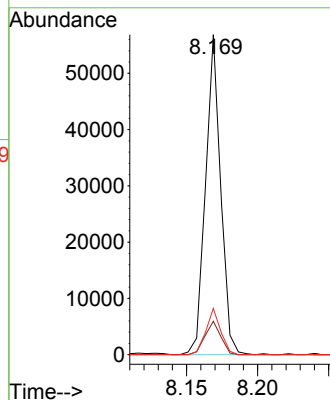
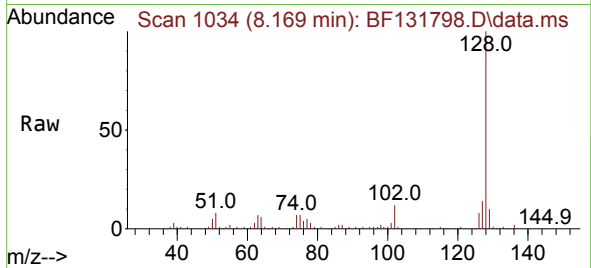




#31
Naphthalene
Concen: 2.908 ng
RT: 8.169 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

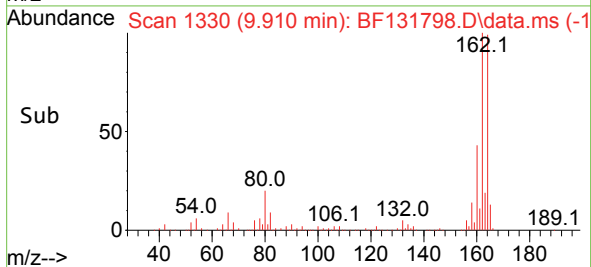
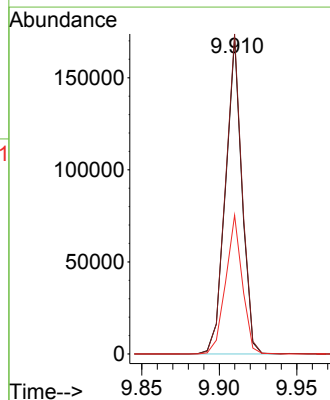
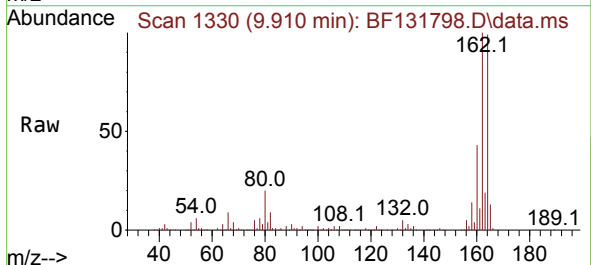
Instrument :
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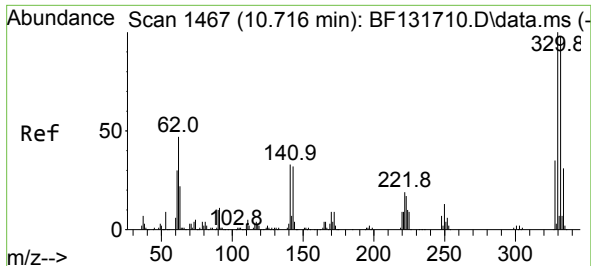
Tgt Ion:128 Resp: 42227
Ion Ratio Lower Upper
128 100
129 10.4 8.9 13.3
127 14.5 10.6 15.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

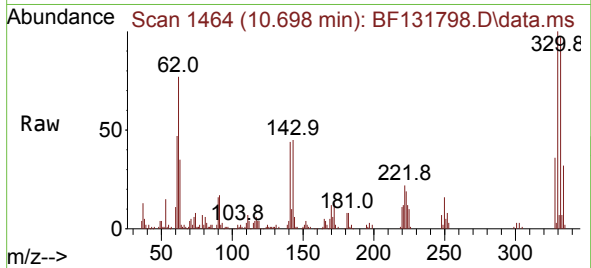
Tgt Ion:164 Resp: 126460
Ion Ratio Lower Upper
164 100
162 101.2 83.7 125.5
160 43.8 36.2 54.4



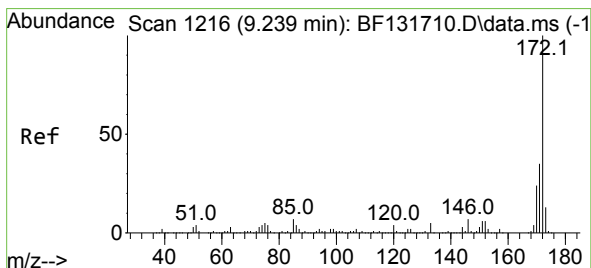
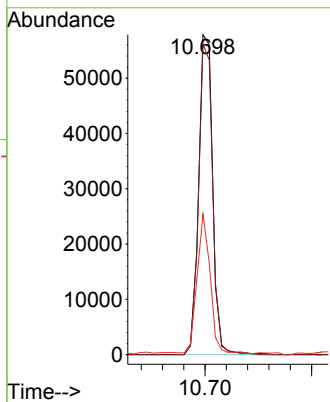
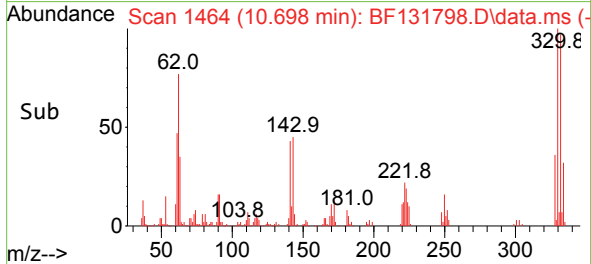


#42
2,4,6-Tribromophenol
Concen: 38.392 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

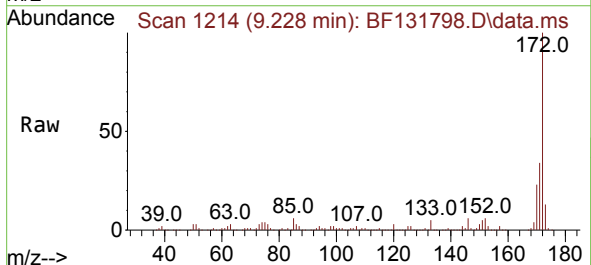
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL



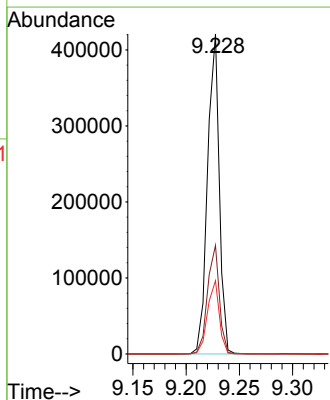
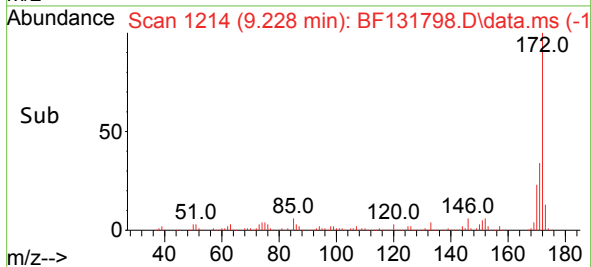
Tgt Ion:330 Resp: 53140
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 40.6 30.4 45.6

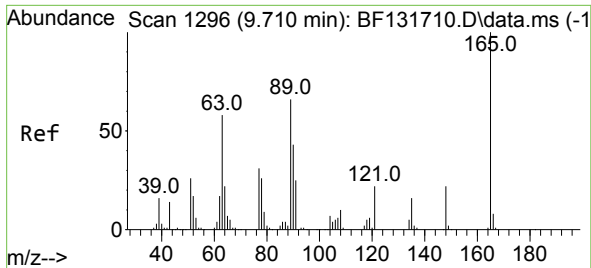


#45
2-Fluorobiphenyl
Concen: 35.926 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



Tgt Ion:172 Resp: 324325
Ion Ratio Lower Upper
172 100
171 33.9 27.9 41.9
170 22.9 19.0 28.4

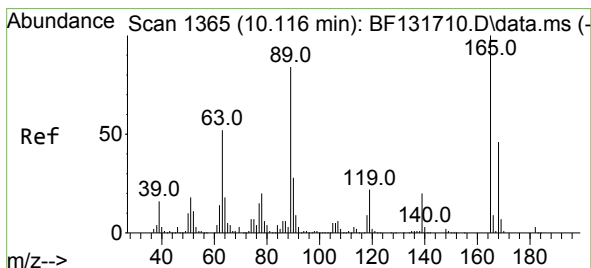
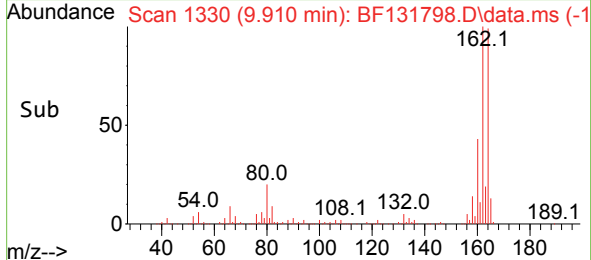
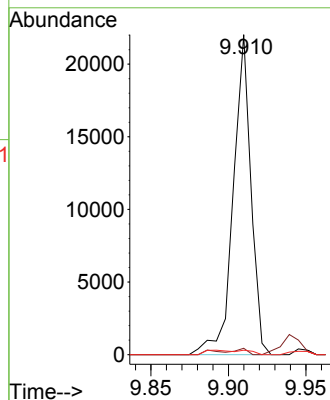
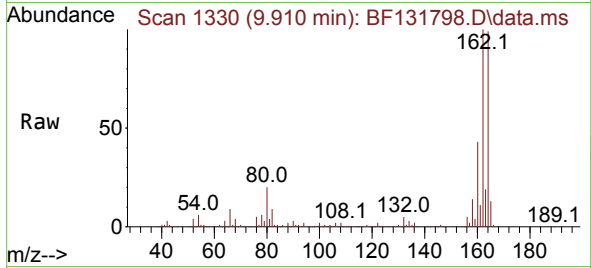




#51
2,6-Dinitrotoluene
Concen: 8.553 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

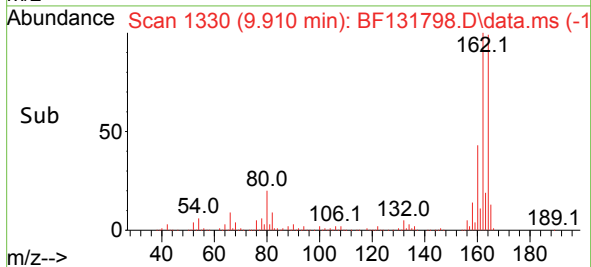
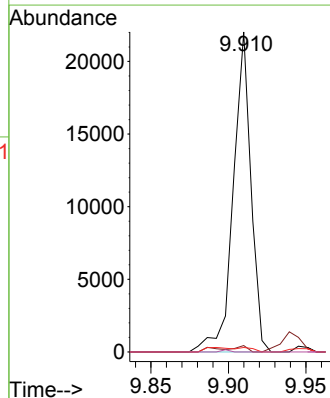
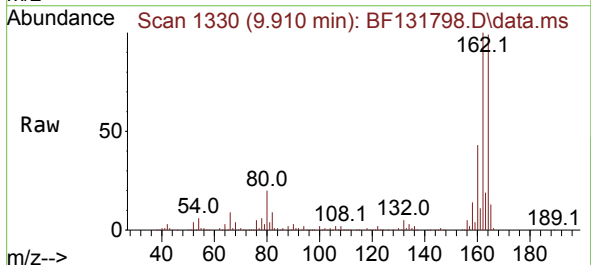
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL

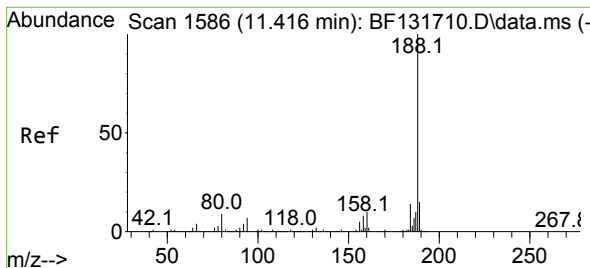
Tgt Ion:165 Resp: 17499
Ion Ratio Lower Upper
165 100
63 2.0 51.8 77.8#
89 1.4 53.2 79.8#



#57
2,4-Dinitrotoluene
Concen: 6.365 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:165 Resp: 17499
Ion Ratio Lower Upper
165 100
63 2.0 41.5 62.3#
89 1.4 67.0 100.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

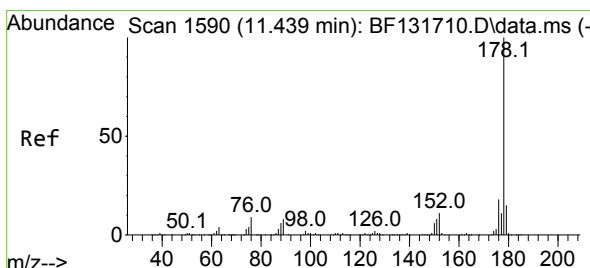
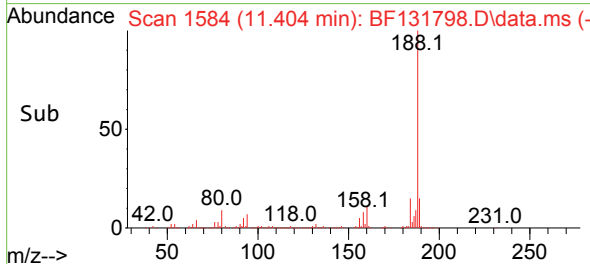
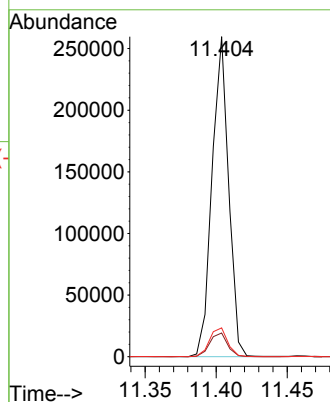
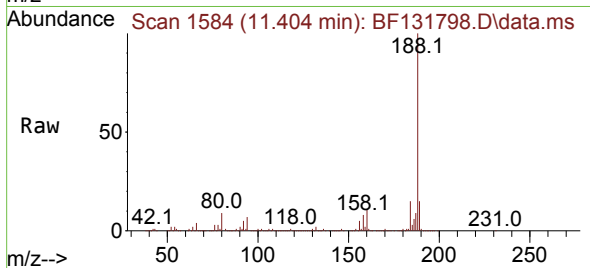
Tgt Ion:188 Resp: 211197

Ion Ratio Lower Upper

188 100

94 7.4 5.9 8.9

80 9.0 7.0 10.6



#71

Phenanthrene

Concen: 19.343 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.000 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

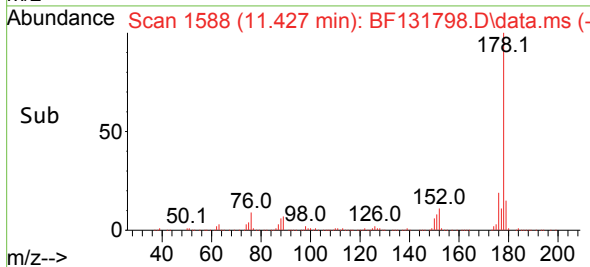
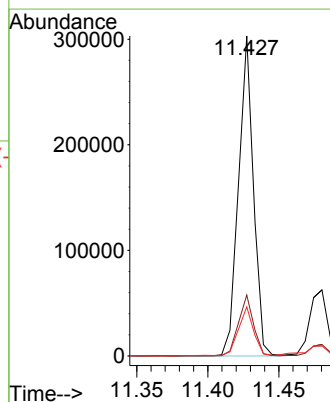
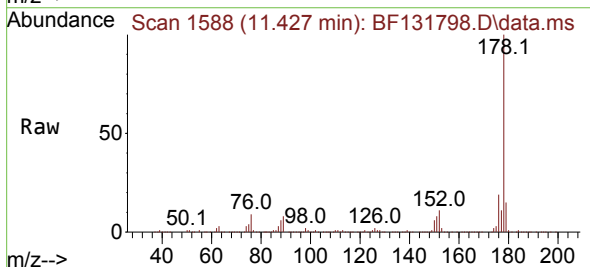
Tgt Ion:178 Resp: 222765

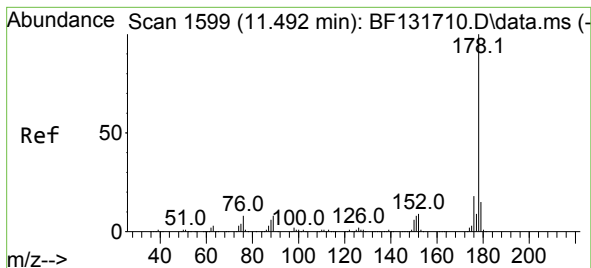
Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

179 15.4 12.2 18.4





#72

Anthracene

Concen: 4.720 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

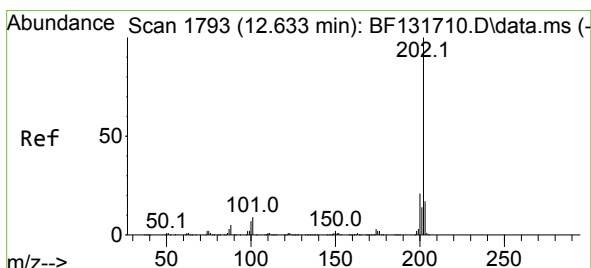
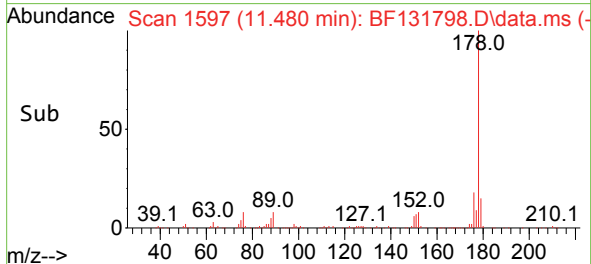
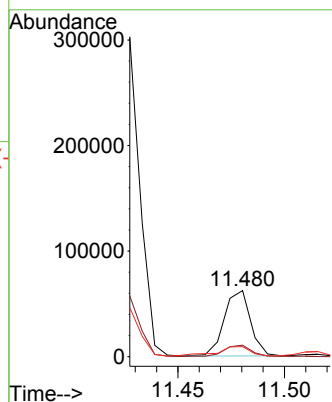
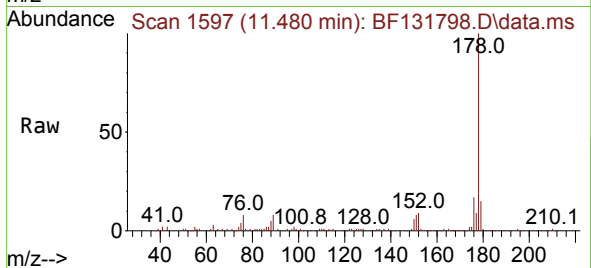
Tgt Ion:178 Resp: 53224

Ion Ratio Lower Upper

178 100

176 17.4 14.6 21.8

179 15.3 12.2 18.4



#75

Fluoranthene

Concen: 30.252 ng

RT: 12.621 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

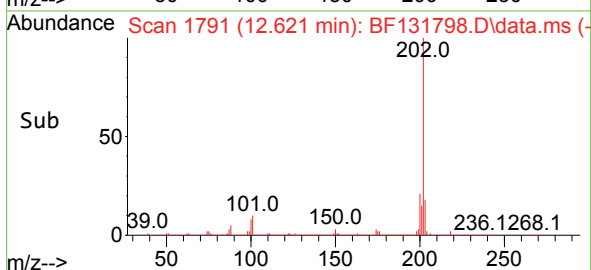
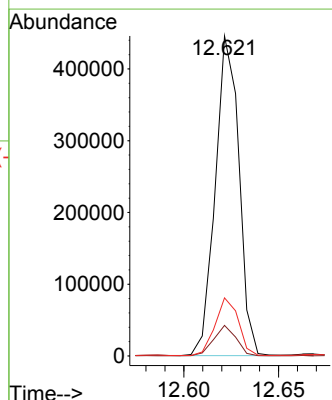
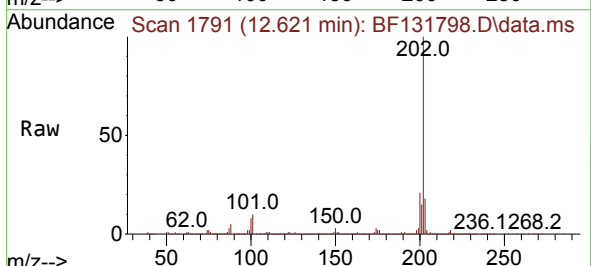
Tgt Ion:202 Resp: 388007

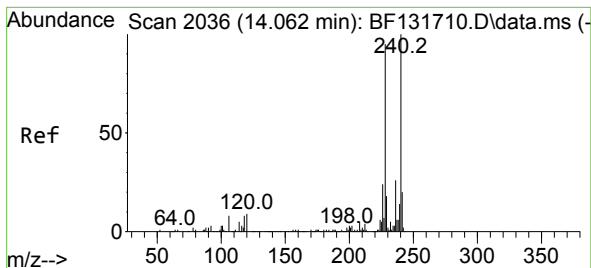
Ion Ratio Lower Upper

202 100

101 9.5 0.0 28.8

203 18.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

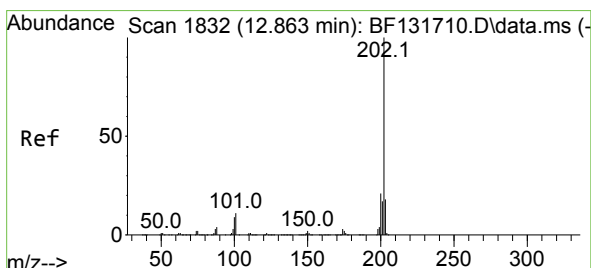
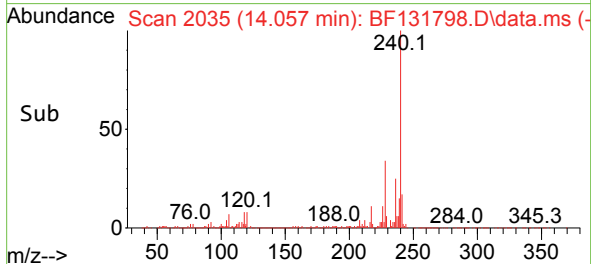
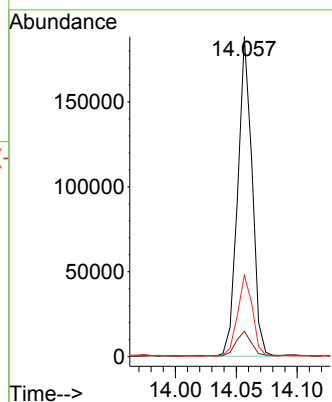
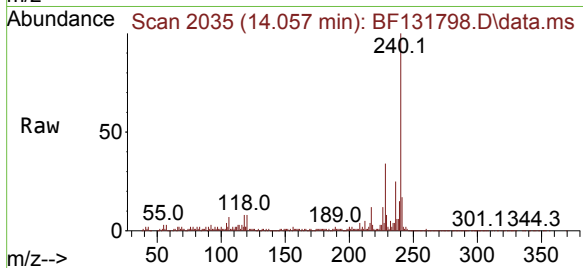
Tgt Ion:240 Resp: 154291

Ion Ratio Lower Upper

240 100

120 8.0 7.6 11.4

236 25.4 21.2 31.8



#78

Pyrene

Concen: 34.353 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

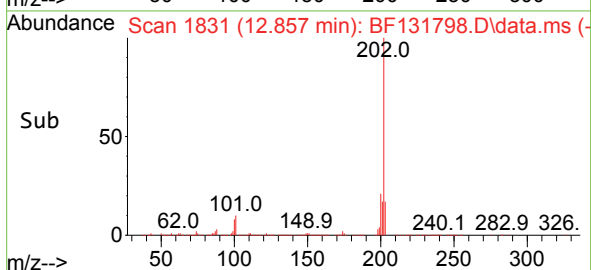
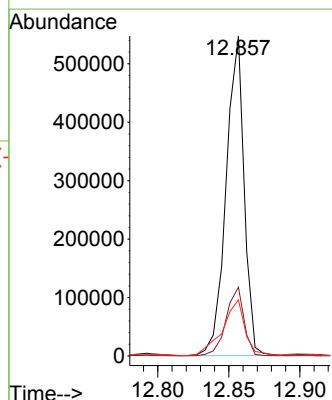
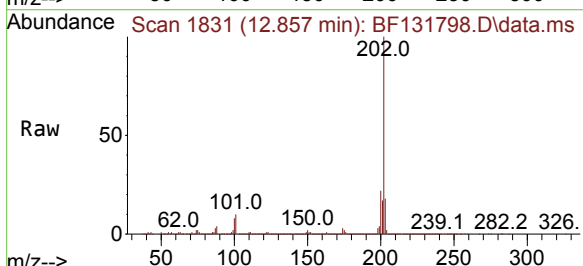
Tgt Ion:202 Resp: 481901

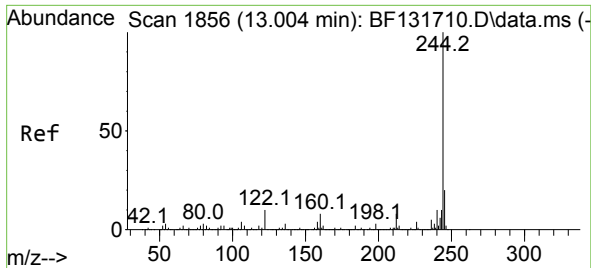
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.6 14.1 21.1

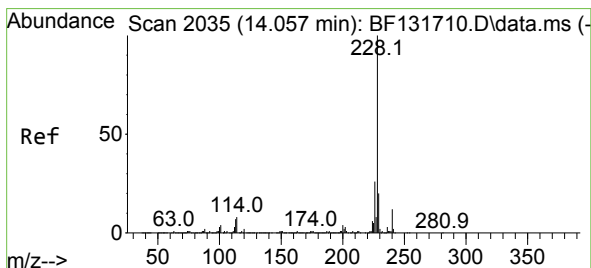
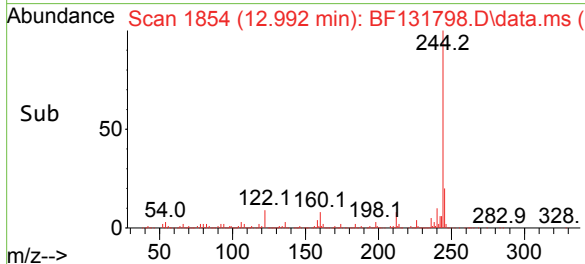
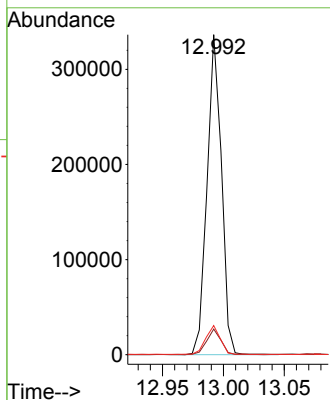
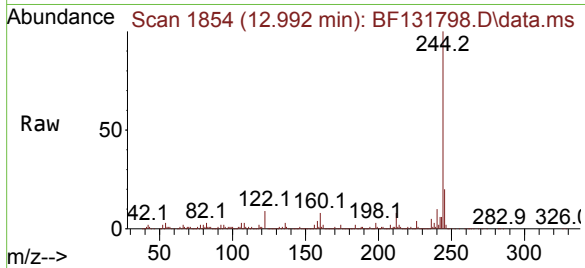




#79
 Terphenyl-d14
 Concen: 27.809 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF131798.D
 Acq: 23 Dec 2022 02:45

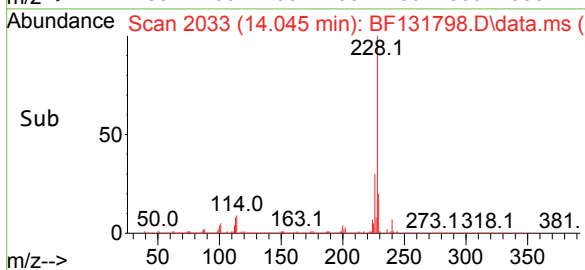
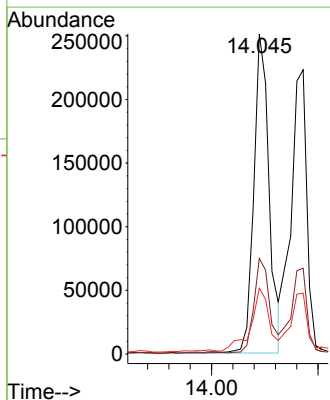
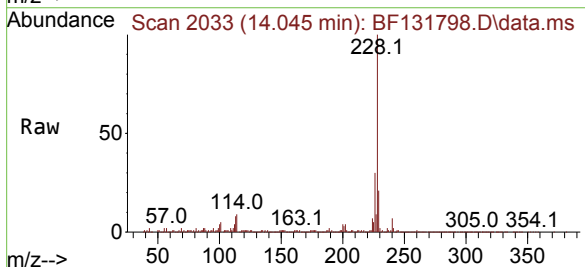
Instrument :
 BNA_F
 ClientSampleId :
 FS-01-(0-2)DL

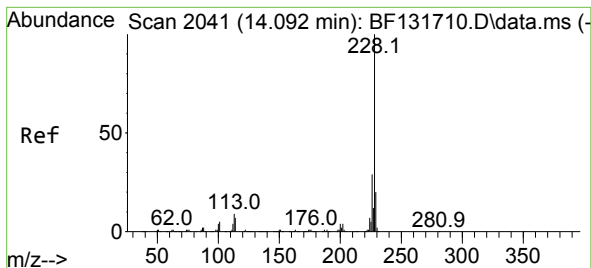
Tgt Ion:244 Resp: 275304
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 9.1 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 22.499 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF131798.D
 Acq: 23 Dec 2022 02:45

Tgt Ion:228 Resp: 250017
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.0 31.4
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 22.001 ng

RT: 14.086 min Scan# 2040

Delta R.T. 0.012 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

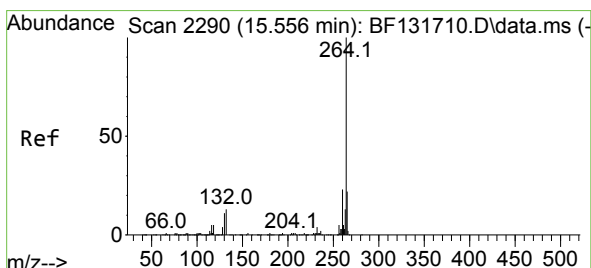
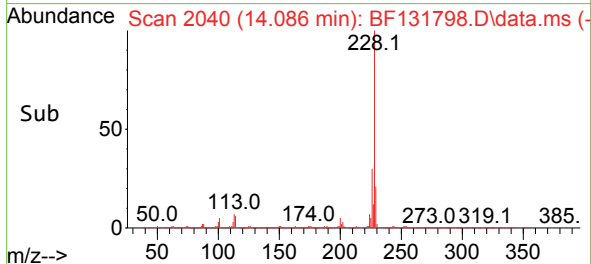
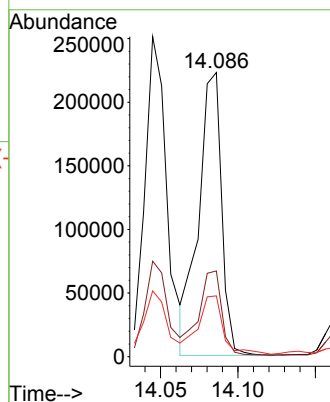
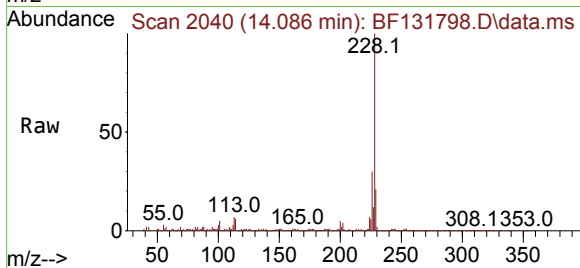
Tgt Ion:228 Resp: 230747

Ion Ratio Lower Upper

228 100

226 30.2 23.5 35.3

229 21.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. 0.023 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

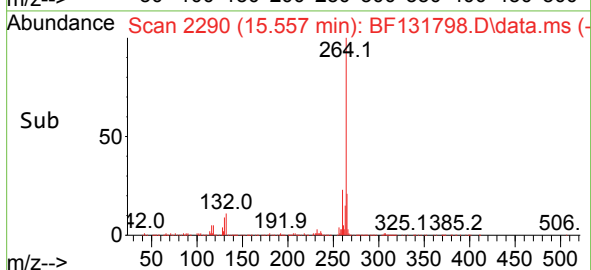
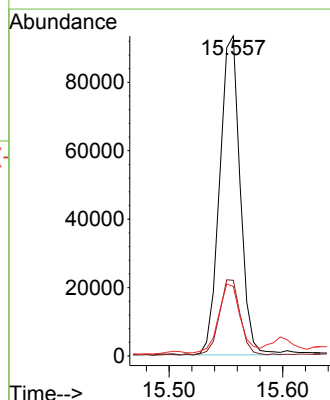
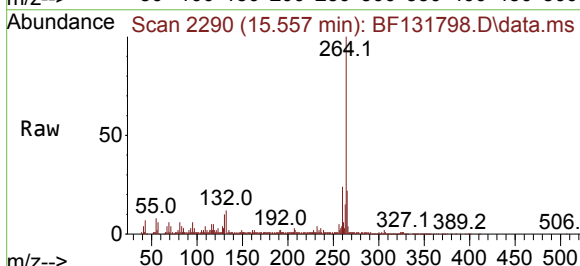
Tgt Ion:264 Resp: 117283

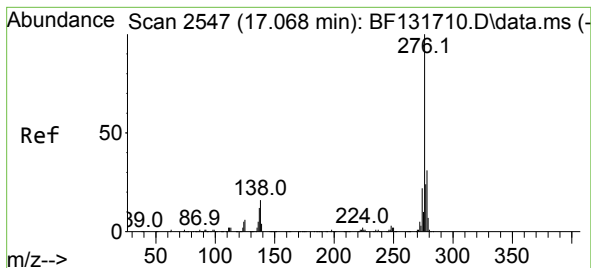
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.883 ng

RT: 17.056 min Scan# 2115

Delta R.T. 0.017 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

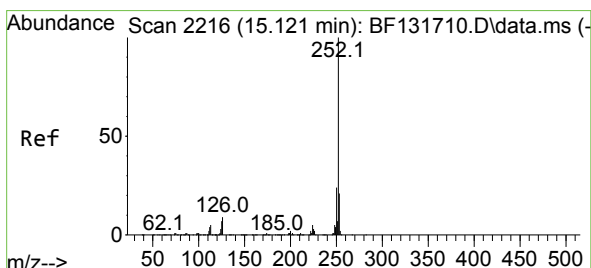
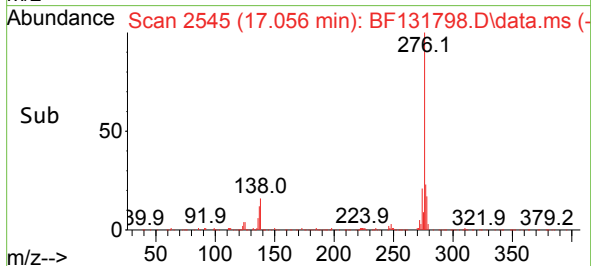
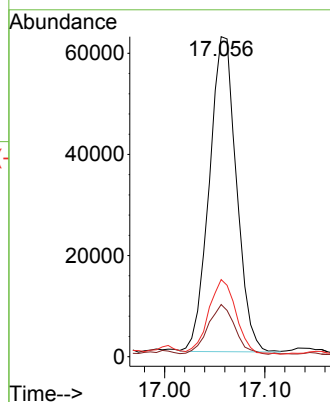
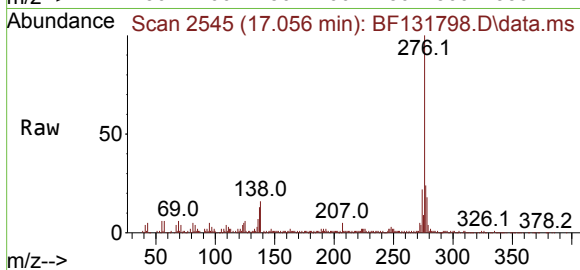
Tgt Ion:276 Resp: 117242

Ion Ratio Lower Upper

276 100

138 15.7 14.4 21.6

277 23.9 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 39.506 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.017 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

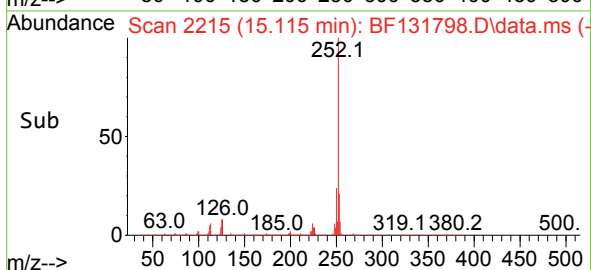
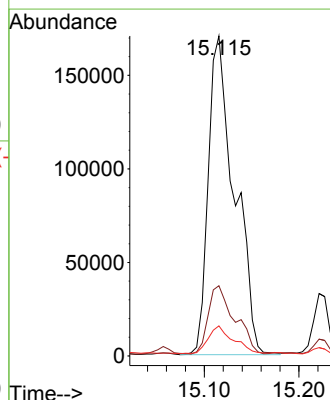
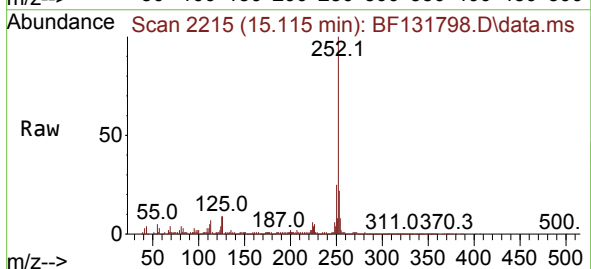
Tgt Ion:252 Resp: 327807

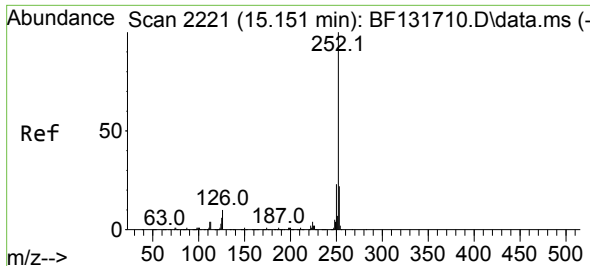
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.4 5.5 8.3#

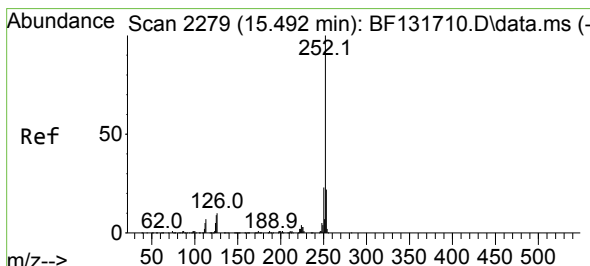
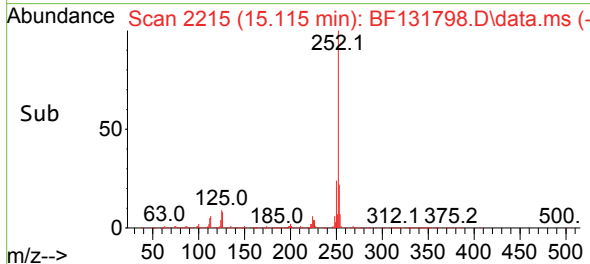
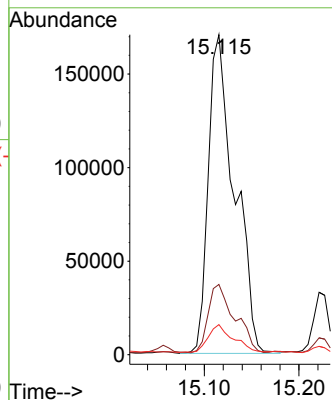
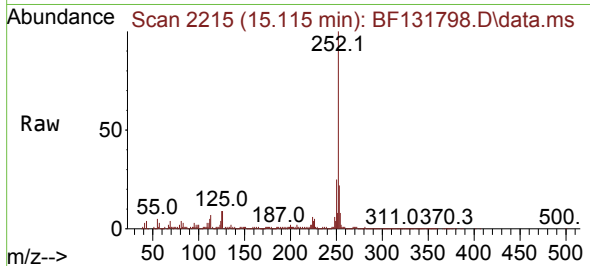




#89
Benzo(k)fluoranthene
Concen: 40.486 ng
RT: 15.115 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

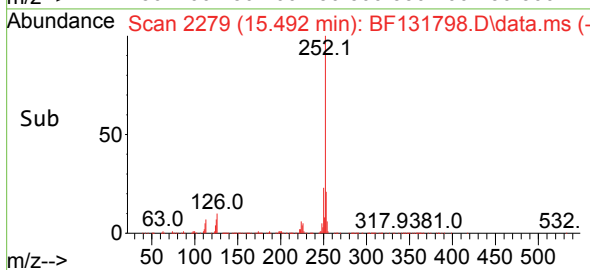
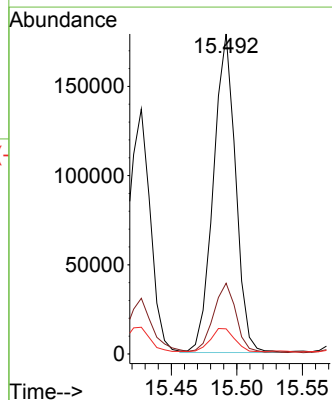
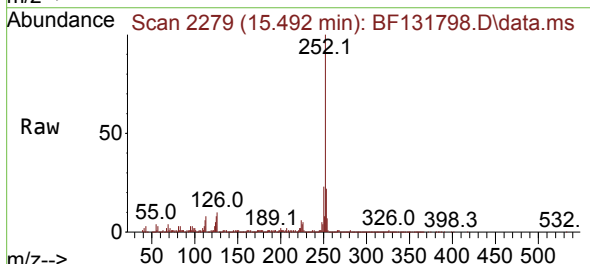
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL

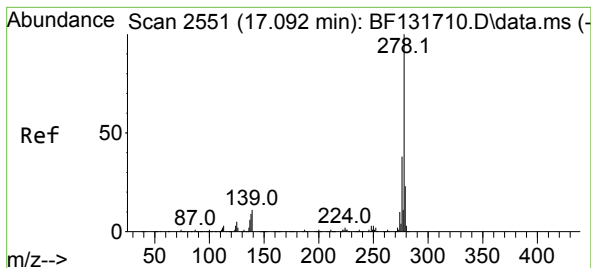
Tgt Ion:252 Resp: 327807
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 9.4 5.2 7.8#



#90
Benzo(a)pyrene
Concen: 32.004 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.017 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:252 Resp: 210347
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 7.9 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 4.002 ng

RT: 17.068 min Scan# 2547

Delta R.T. 0.012 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

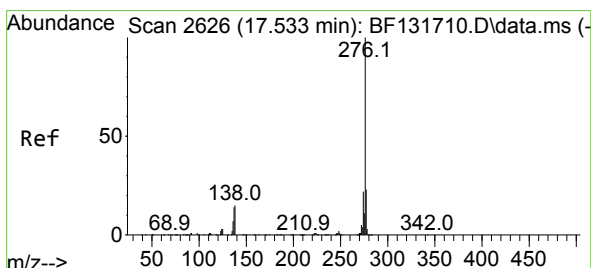
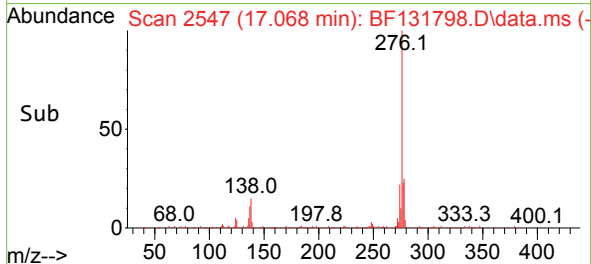
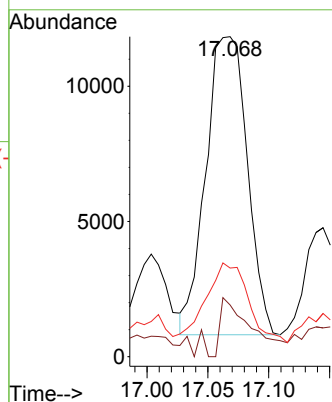
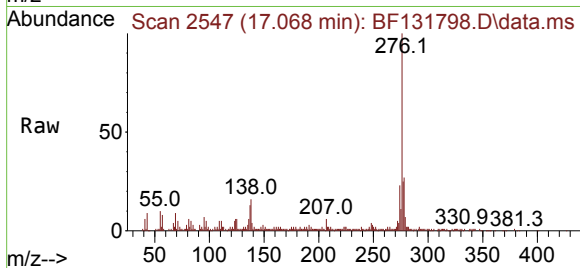
Tgt Ion:278 Resp: 26051

Ion Ratio Lower Upper

278 100

139 16.1 8.7 13.1#

279 27.7 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 22.973 ng

RT: 17.521 min Scan# 2624

Delta R.T. 0.023 min

Lab File: BF131798.D

Acq: 23 Dec 2022 02:45

Tgt Ion:276 Resp: 147820

Ion Ratio Lower Upper

276 100

277 23.9 18.3 27.5

138 15.1 12.3 18.5

