

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
 Data File : BF130723.D
 Acq On : 19 Oct 2022 21:31
 Operator : CG\JU
 Sample : N5175-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

Quant Time: Oct 20 02:47:40 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

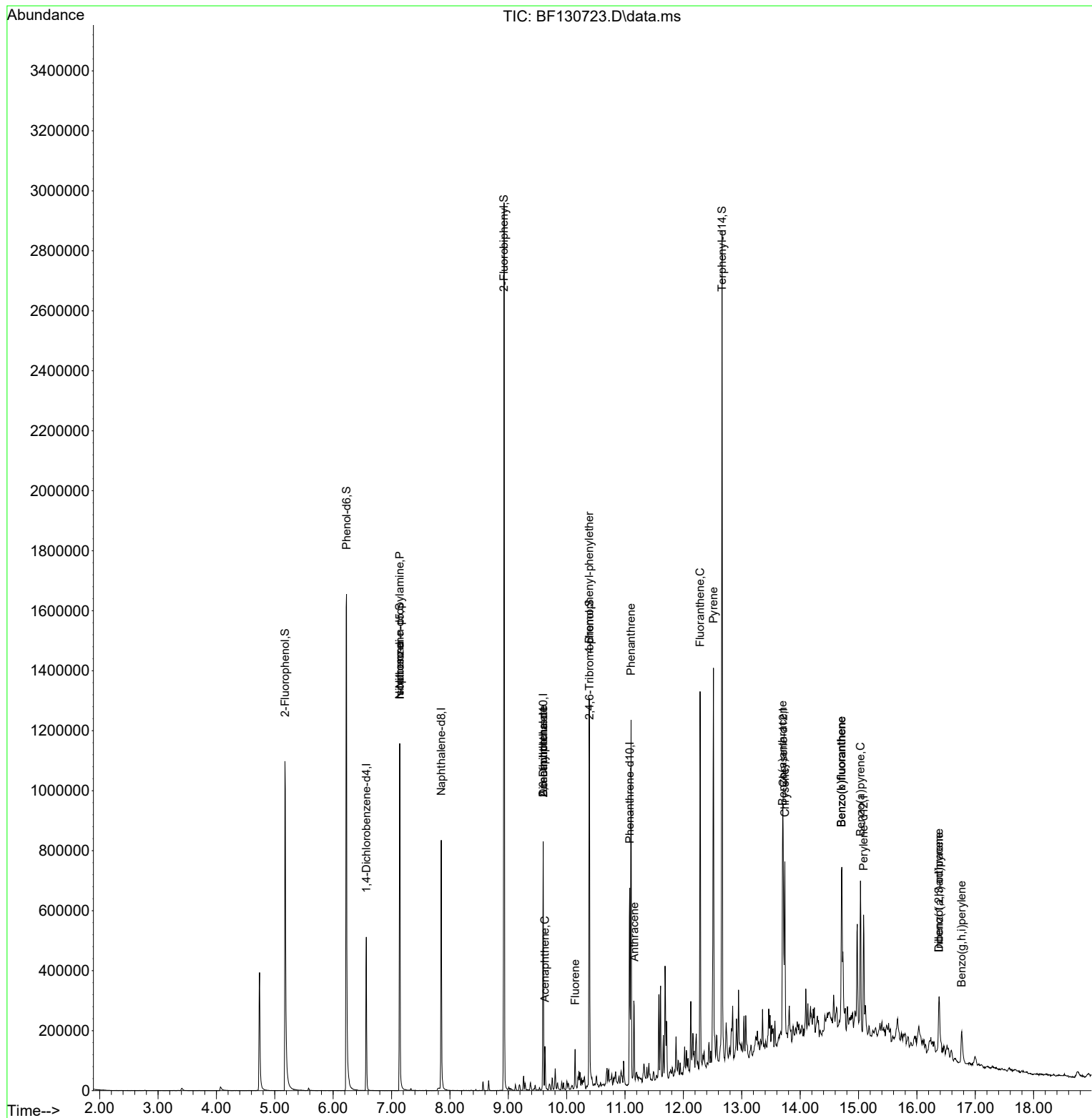
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.569	152	76990	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	353069	20.000	ng	0.00
39) Acenaphthene-d10	9.598	164	157210	20.000	ng	-0.01
64) Phenanthrene-d10	11.080	188	238872	20.000	ng	0.00
76) Chrysene-d12	13.710	240	170451	20.000	ng	-0.01
86) Perylene-d12	15.086	264	165960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	399339	93.496	ng	0.00
7) Phenol-d6	6.228	99	671483	125.042	ng	0.00
23) Nitrobenzene-d5	7.139	82	378006	58.446	ng	-0.01
42) 2,4,6-Tribromophenol	10.392	330	168512	109.545	ng	0.00
45) 2-Fluorobiphenyl	8.928	172	886616	85.427	ng	-0.01
79) Terphenyl-d14	12.663	244	903705	87.996	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.139	70	49259	14.218	ng	# 76
25) Isophorone	7.139	82	378004	35.117	ng	# 64
50) Dimethylphthalate	9.598	163	29499	2.711	ng	# 1
51) 2,6-Dinitrotoluene	9.598	165	20945	8.774	ng	# 25
52) Acenaphthene	9.628	154	29623	3.504	ng	98
58) Fluorene	10.145	166	32753	3.094	ng	99
67) 4-Bromophenyl-phenylether	10.386	248	10086	3.732	ng	# 1
71) Phenanthrene	11.104	178	410392	31.010	ng	100
72) Anthracene	11.157	178	101794	7.876	ng	98
75) Fluoranthene	12.286	202	457181	35.943	ng	97
78) Pyrene	12.516	202	521849	35.488	ng	99
81) Benzo(a)anthracene	13.698	228	236364	20.580	ng	98
83) Chrysene	13.739	228	233205	21.416	ng	98
87) Indeno(1,2,3-cd)pyrene	16.380	276	103258	8.313	ng	97
88) Benzo(b)fluoranthene	14.710	252	337196	32.087	ng	# 96
89) Benzo(k)fluoranthene	14.710	252	337196	31.512	ng	# 95
90) Benzo(a)pyrene	15.033	252	199137	22.768	ng	97
91) Dibenzo(a,h)anthracene	16.380	278	29092	2.857	ng	# 86
92) Benzo(g,h,i)perylene	16.768	276	80397	8.478	ng	99

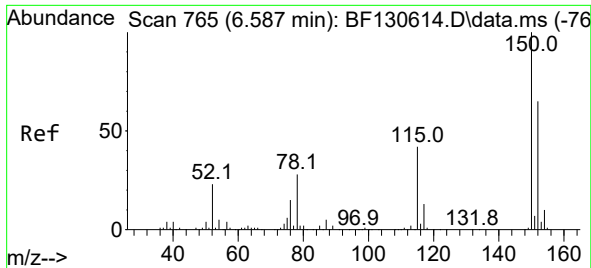
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

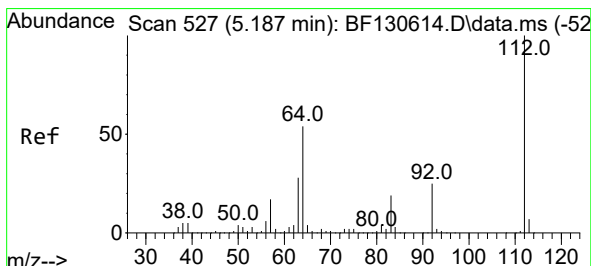
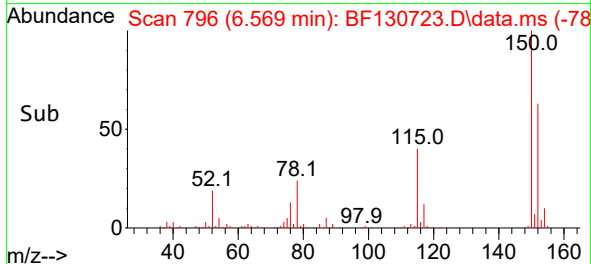
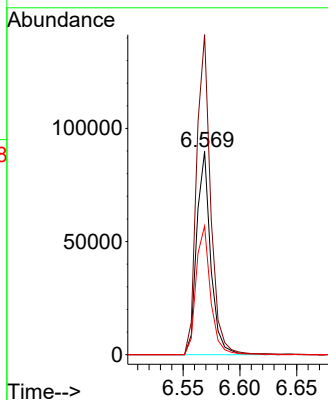
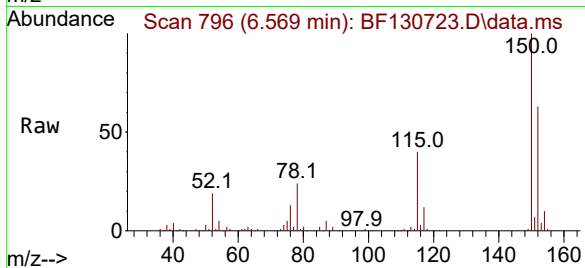




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

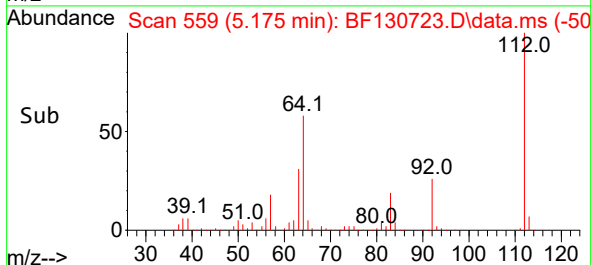
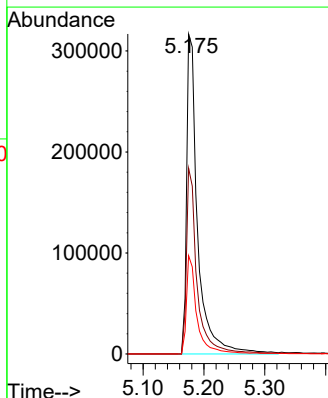
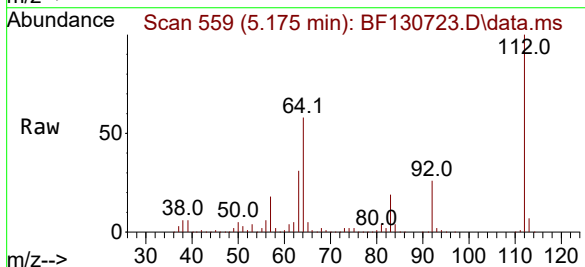
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

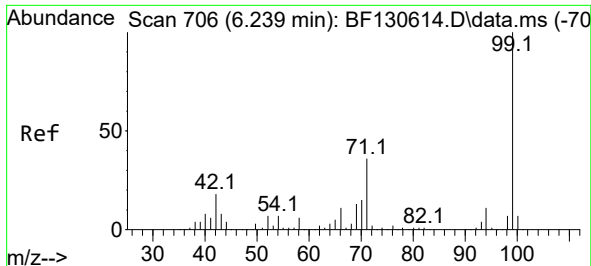
Tgt Ion:152 Resp: 76990
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.6
115 63.3 52.2 78.4



#5
2-Fluorophenol
Concen: 93.496 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:112 Resp: 399339
Ion Ratio Lower Upper
112 100
64 58.0 43.5 65.3
63 30.7 22.6 34.0

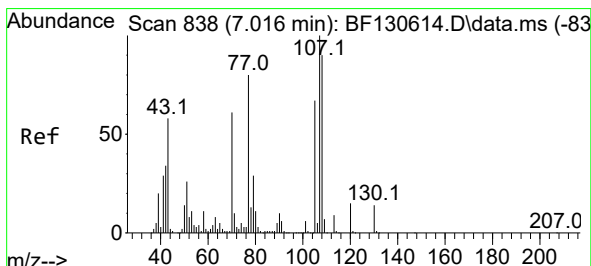
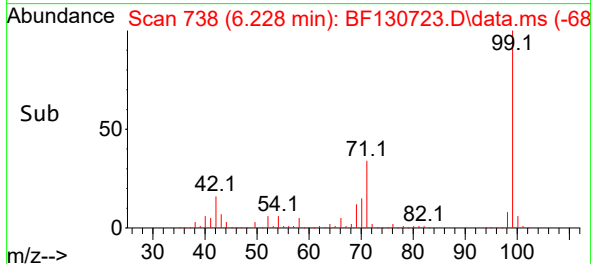
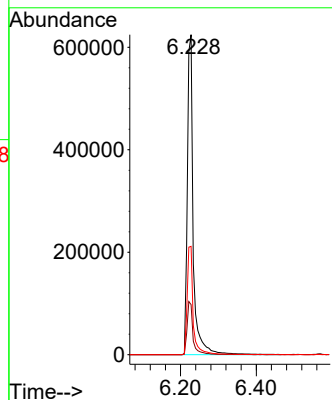
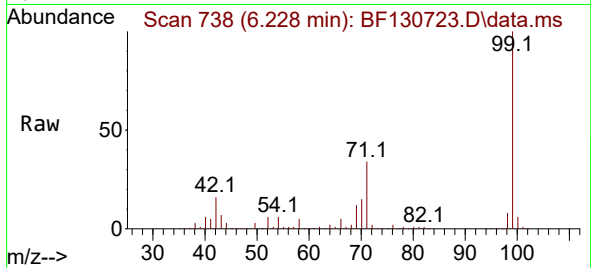




#7
Phenol-d6
Concen: 125.042 ng
RT: 6.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

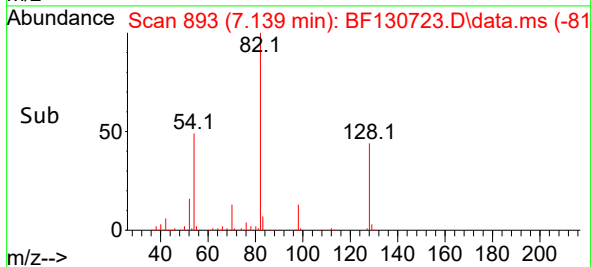
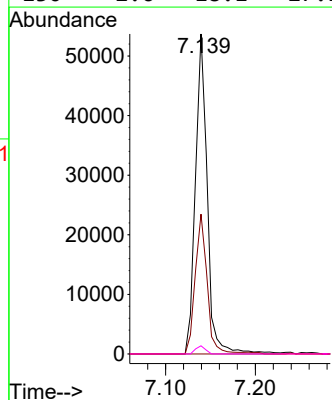
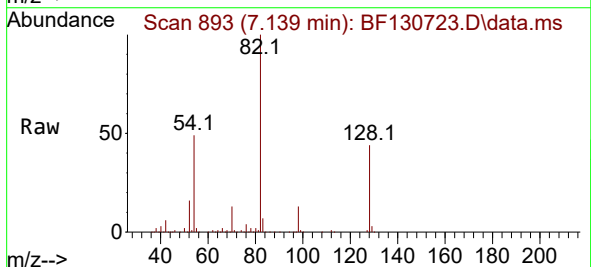
Instrument :
BNA_F
ClientSampleId :
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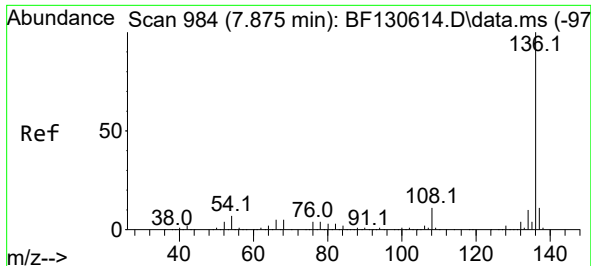
Tgt Ion: 99 Resp: 671483
Ion Ratio Lower Upper
99 100
42 15.6 14.0 21.0
71 33.8 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.218 ng
RT: 7.139 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion: 70 Resp: 49259
Ion Ratio Lower Upper
70 100
42 43.7 44.3 66.5#
101 0.0 7.9 11.9#
130 2.6 18.1 27.1#





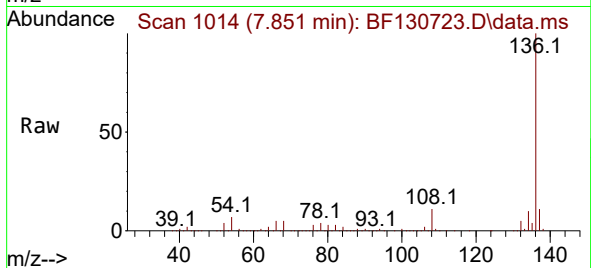
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.851 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

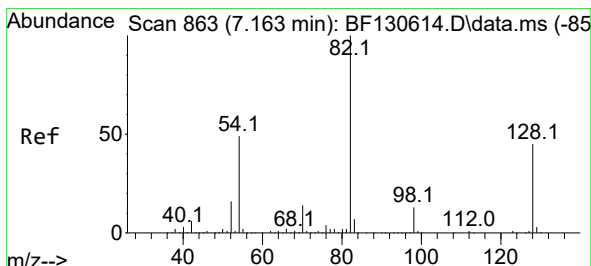
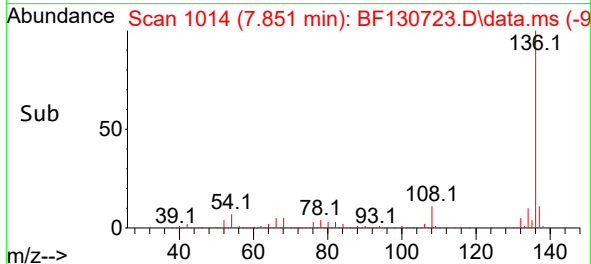
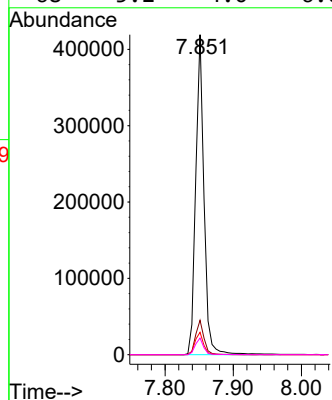
BNA_F

ClientSampleId :

CONCRETE-1

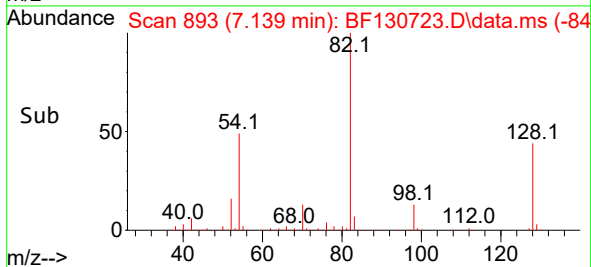
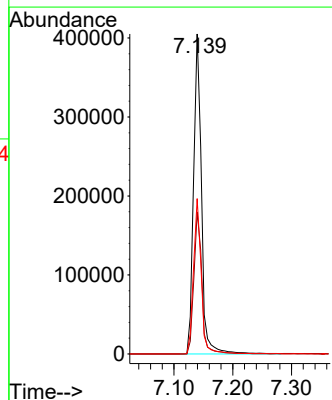
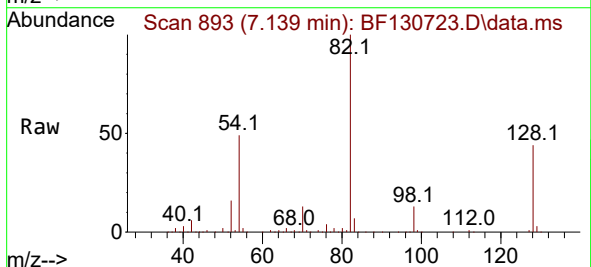


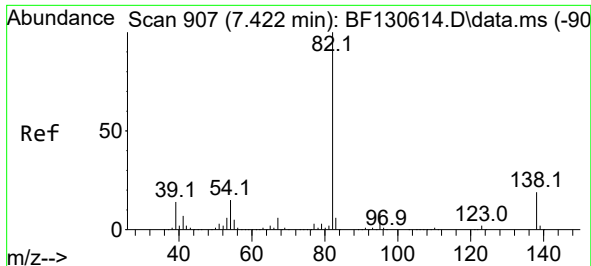
Tgt Ion:136 Resp: 353069
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.0 5.5 8.3
68 5.2 4.0 6.0



#23
Nitrobenzene-d5
Concen: 58.446 ng
RT: 7.139 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion: 82 Resp: 378006
Ion Ratio Lower Upper
82 100
128 44.4 35.8 53.6
54 48.5 39.3 58.9

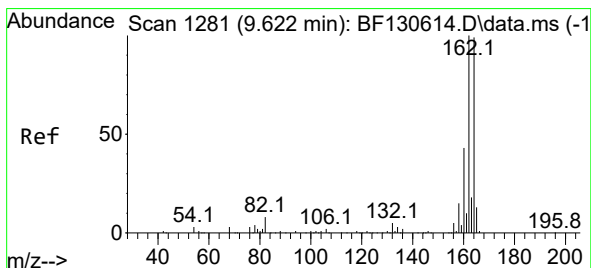
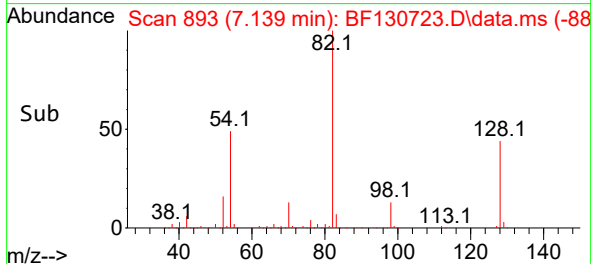
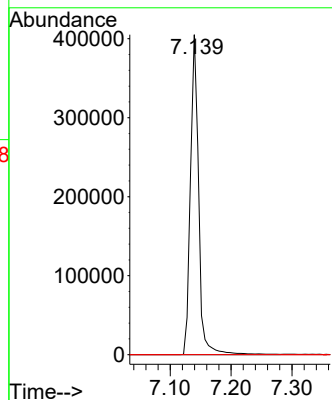
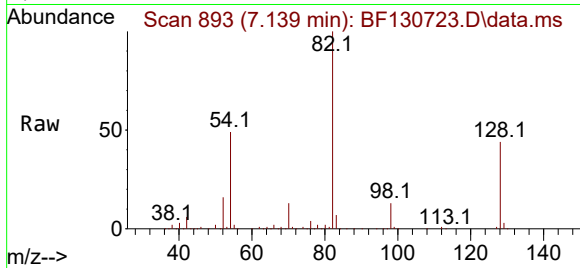




#25
Isophorone
Concen: 35.117 ng
RT: 7.139 min Scan# 893
Delta R.T. -0.271 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

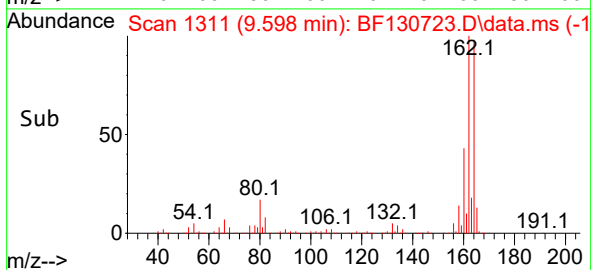
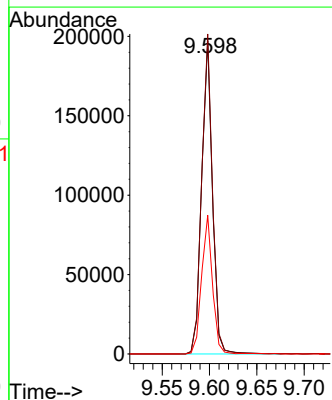
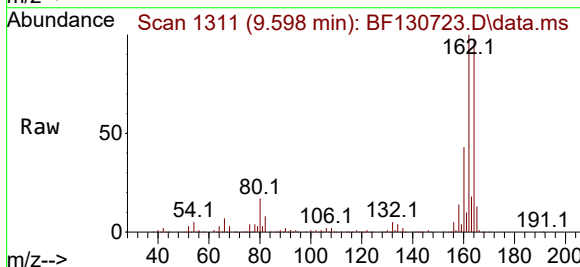
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BNA_F
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CONCRETE-1

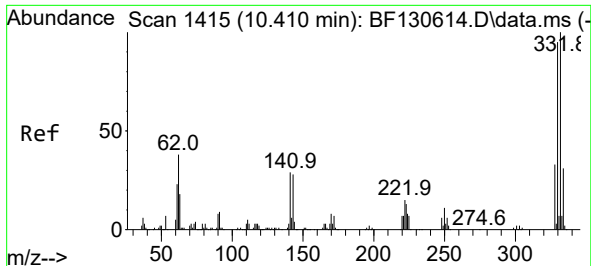
Tgt Ion: 82 Resp: 378004
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.598 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:164 Resp: 157210
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 109.545 ng

RT: 10.392 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

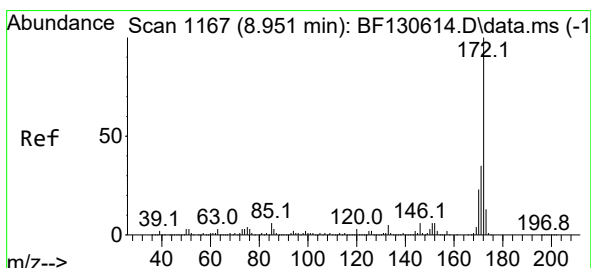
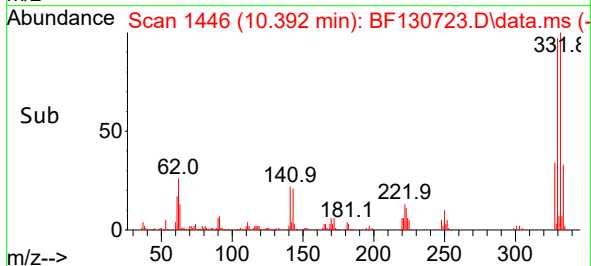
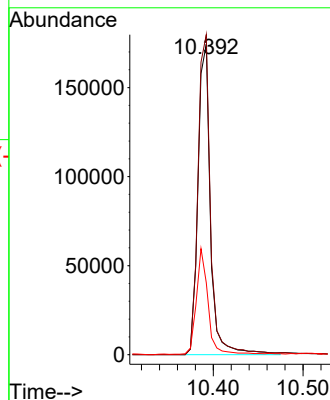
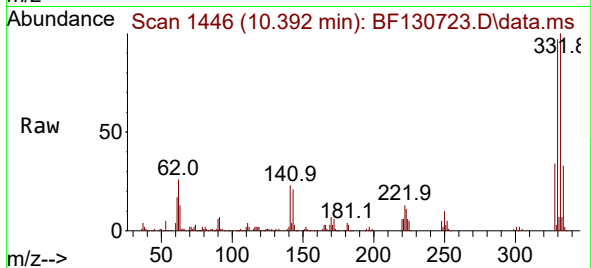
Tgt Ion:330 Resp: 168512

Ion Ratio Lower Upper

330 100

332 103.5 84.2 126.4

141 31.6 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 85.427 ng

RT: 8.928 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF130723.D

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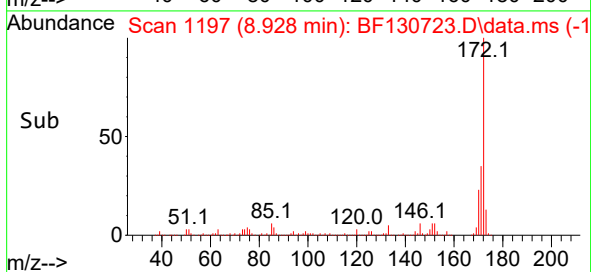
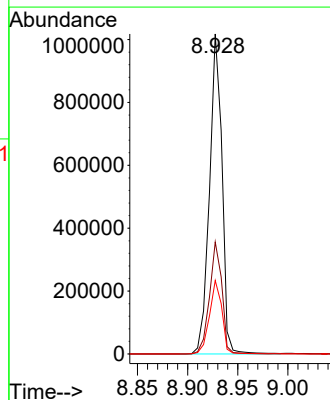
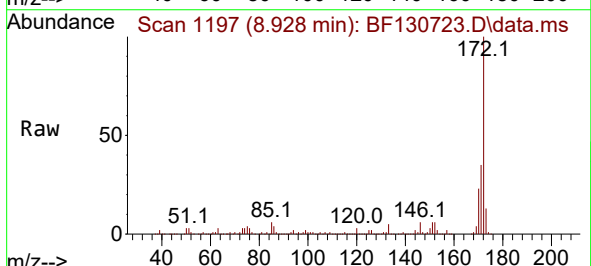
Tgt Ion:172 Resp: 886616

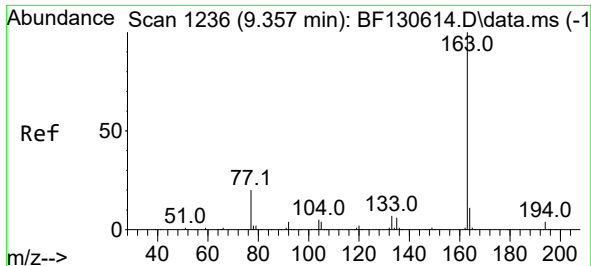
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.8

170 23.0 18.6 27.8

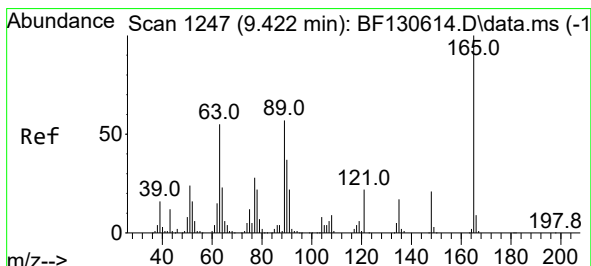
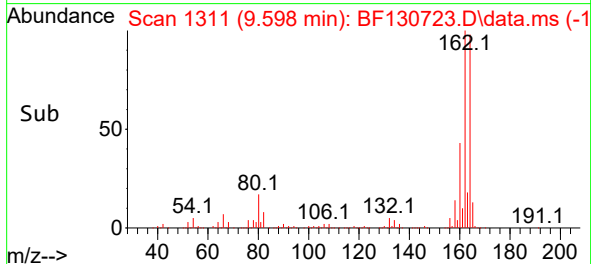
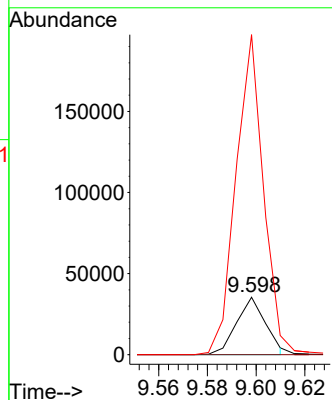
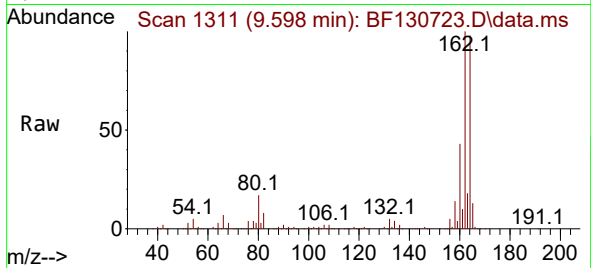




#50
Dimethylphthalate
Concen: 2.711 ng
RT: 9.598 min Scan# 1311
Delta R.T. 0.253 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

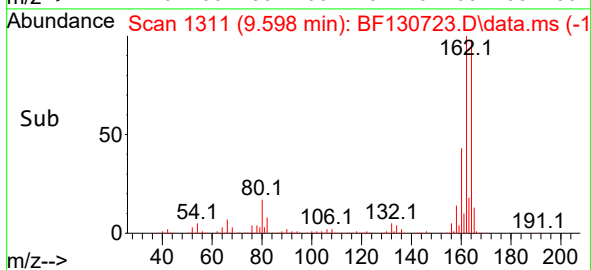
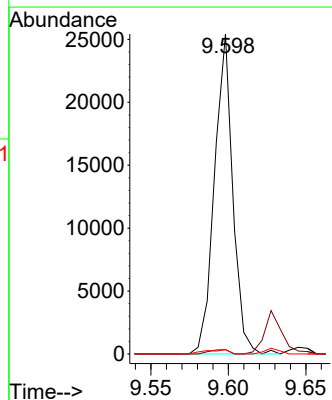
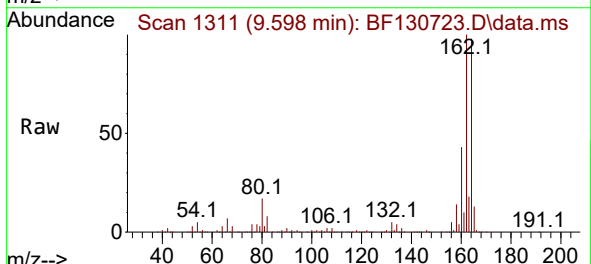
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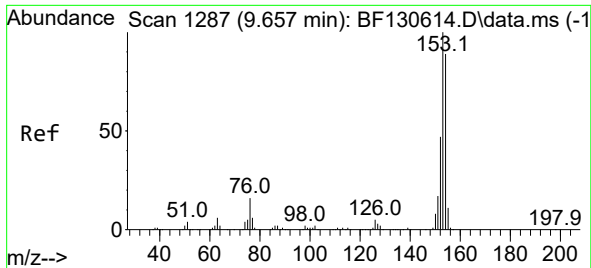
Tgt Ion:163 Resp: 29499
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 556.5 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.774 ng
RT: 9.598 min Scan# 1311
Delta R.T. 0.188 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:165 Resp: 20945
Ion Ratio Lower Upper
165 100
63 1.3 45.3 67.9#
89 1.4 45.6 68.4#

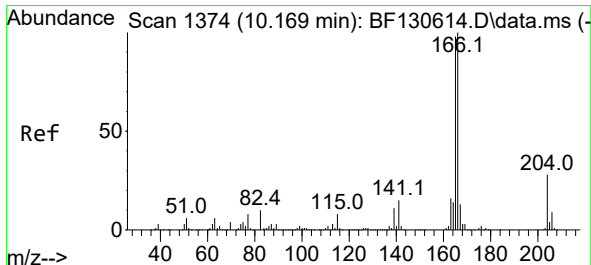
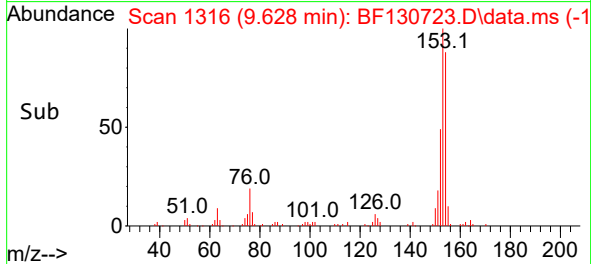
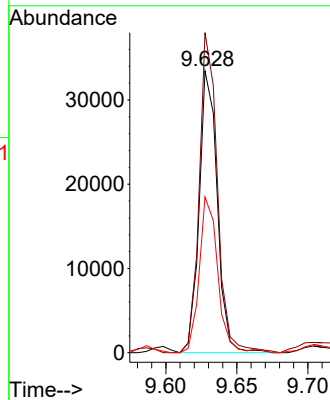
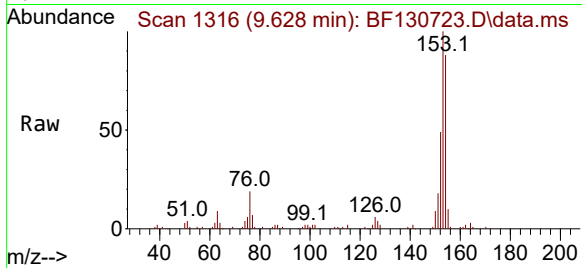




#52
Acenaphthene
Concen: 3.504 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

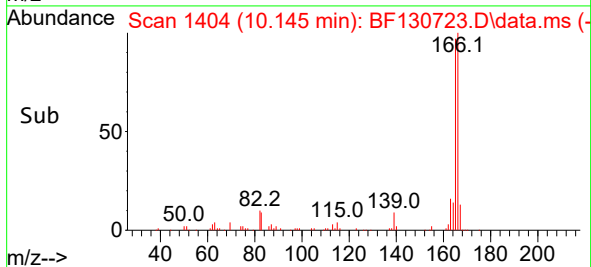
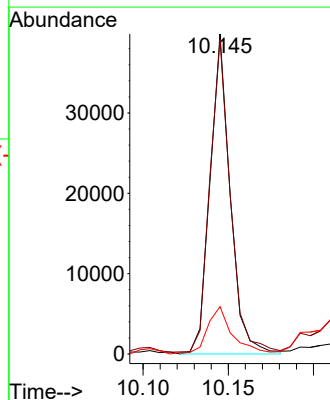
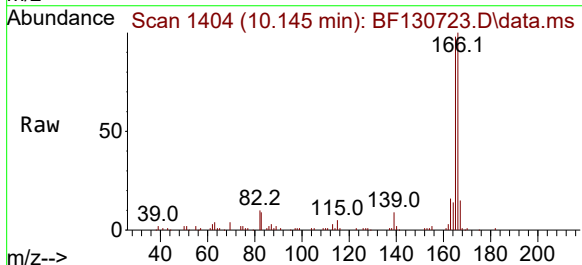
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

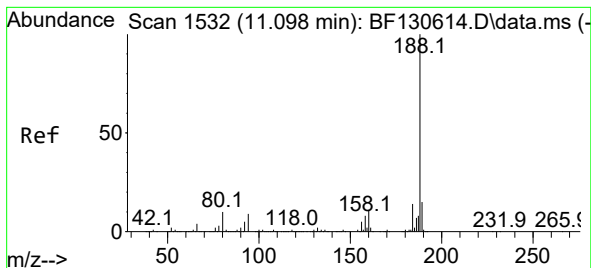
Tgt Ion:154 Resp: 29623
Ion Ratio Lower Upper
154 100
153 113.6 89.6 134.4
152 55.2 42.4 63.6



#58
Fluorene
Concen: 3.094 ng
RT: 10.145 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:166 Resp: 32753
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.4
167 14.8 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: BF130723.D

Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

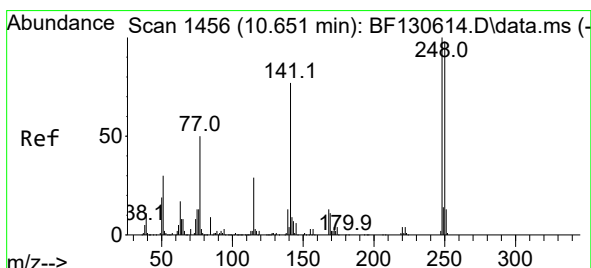
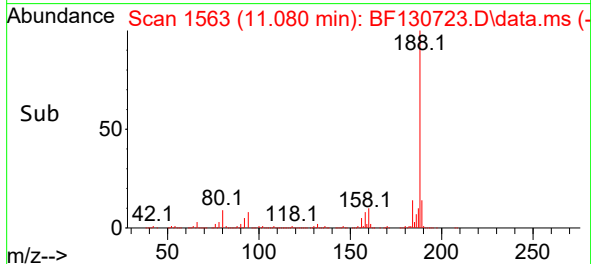
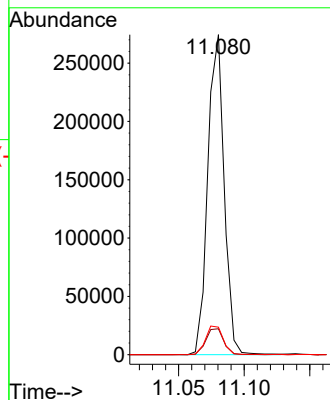
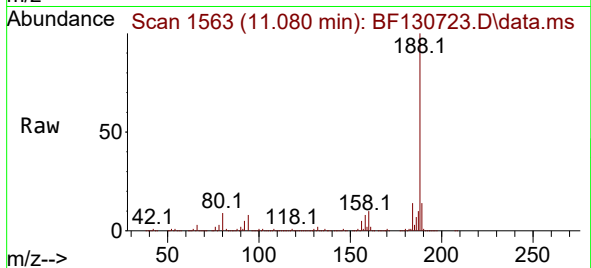
Tgt Ion:188 Resp: 238872

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 8.6 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.732 ng

RT: 10.386 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

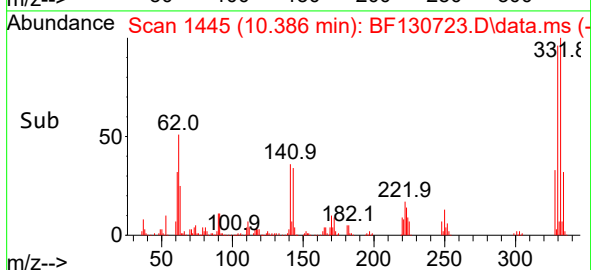
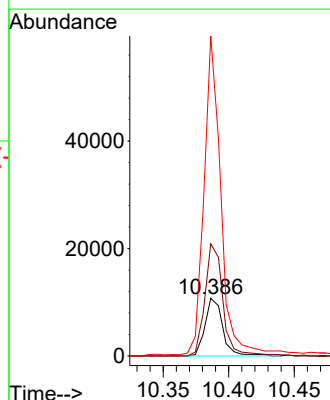
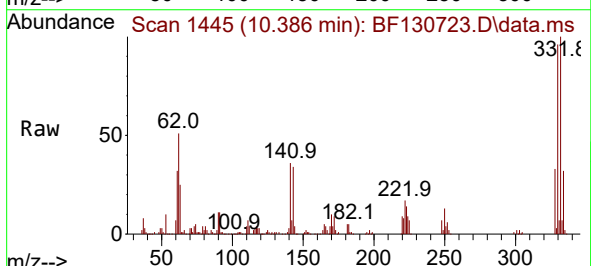
Tgt Ion:248 Resp: 10086

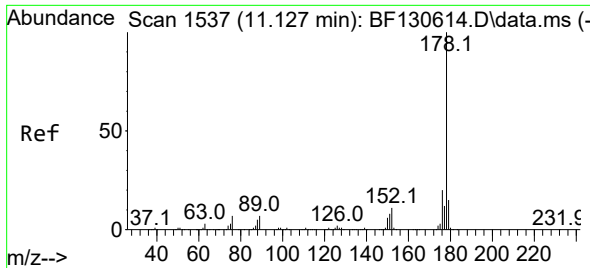
Ion Ratio Lower Upper

248 100

250 194.9 78.7 118.1#

141 555.7 61.6 92.4#

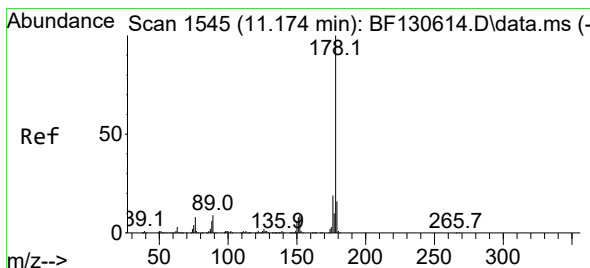
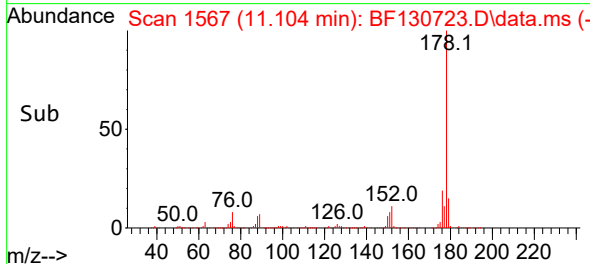
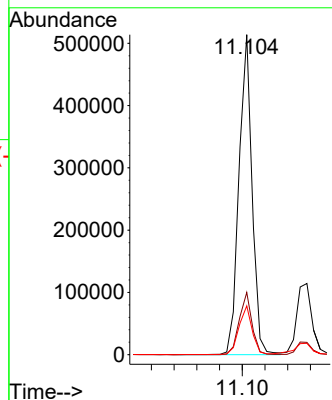
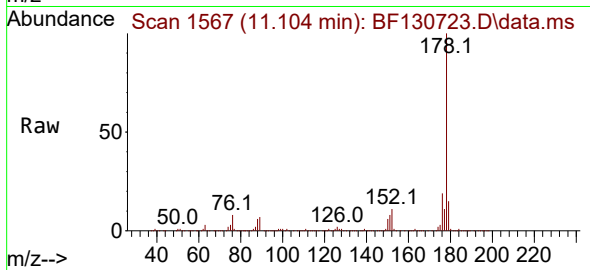




#71
Phenanthrene
Concen: 31.010 ng
RT: 11.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

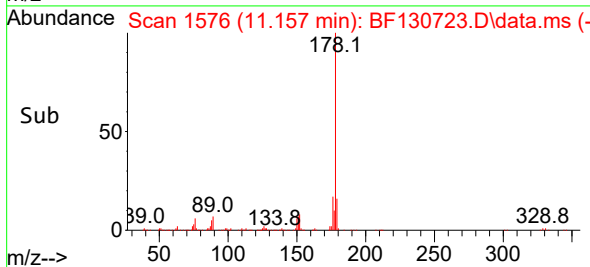
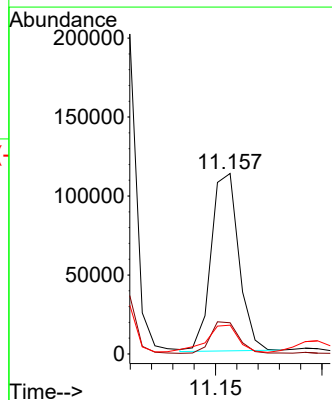
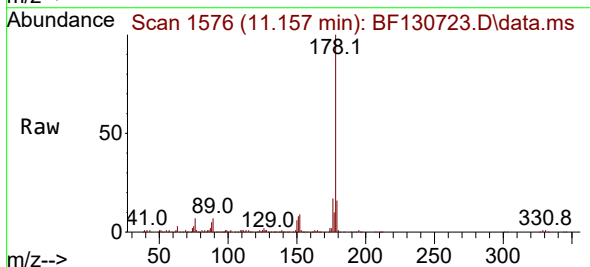
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

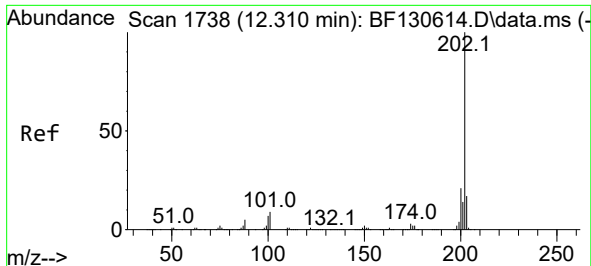
Tgt Ion:178 Resp: 410392
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.3 12.2 18.4



#72
Anthracene
Concen: 7.876 ng
RT: 11.157 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:178 Resp: 101794
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.4
179 16.0 12.5 18.7

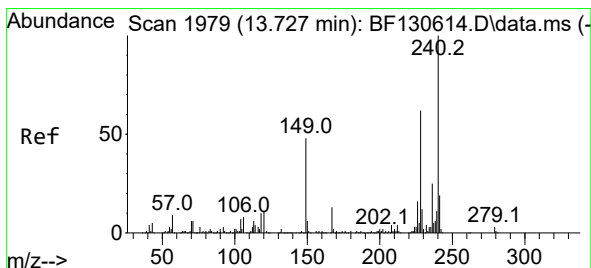
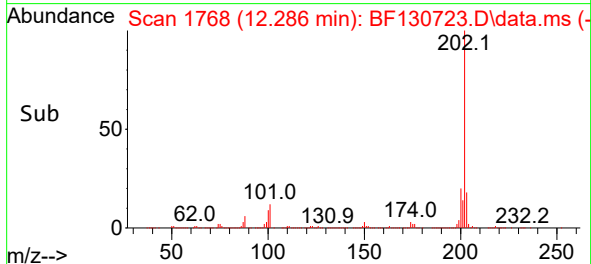
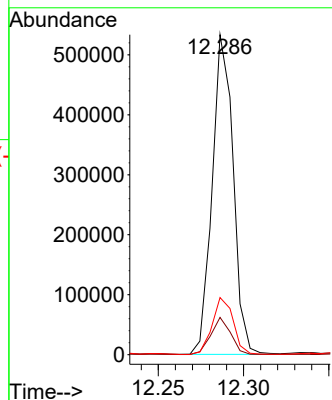
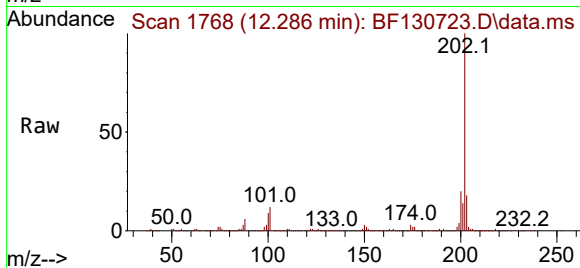




#75
Fluoranthene
Concen: 35.943 ng
RT: 12.286 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

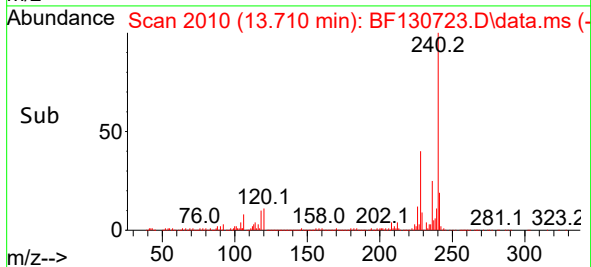
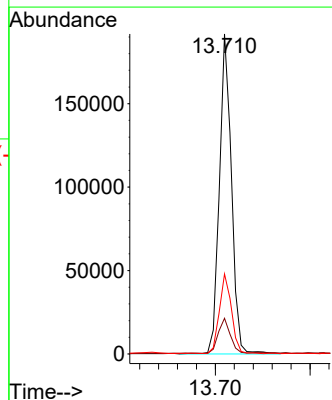
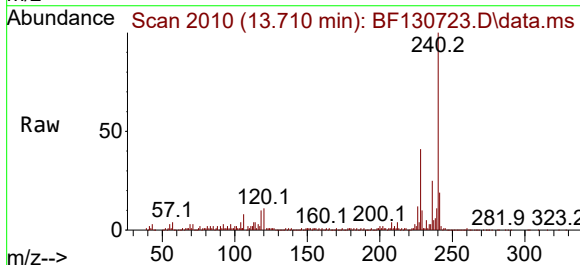
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

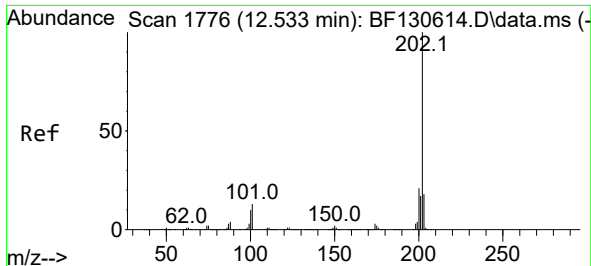
Tgt Ion:202 Resp: 457181
Ion Ratio Lower Upper
202 100
101 11.7 0.0 29.1
203 17.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:240 Resp: 170451
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.0 20.2 30.4

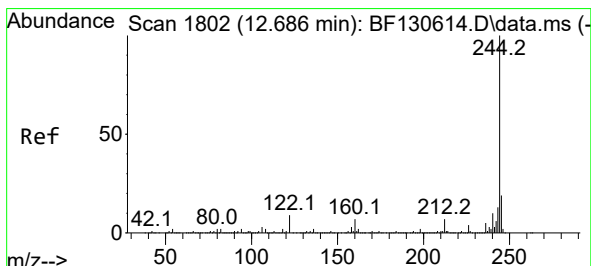
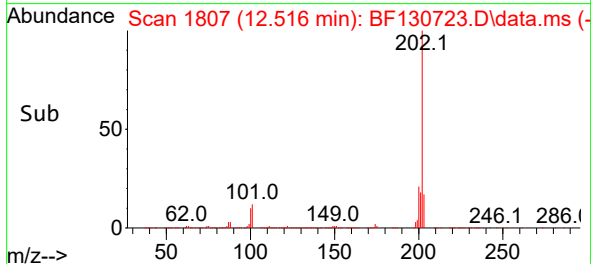
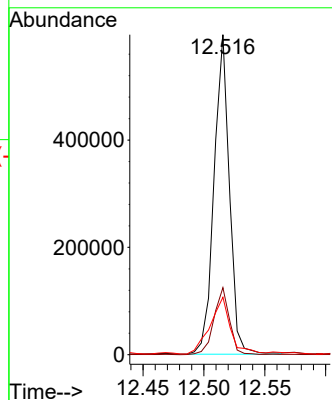
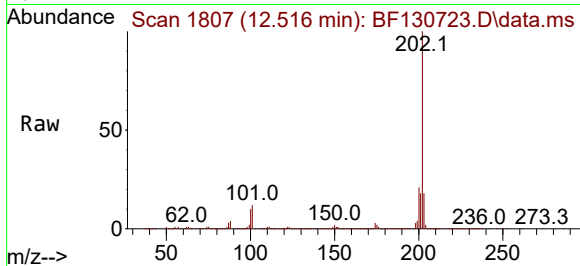




#78
Pyrene
Concen: 35.488 ng
RT: 12.516 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

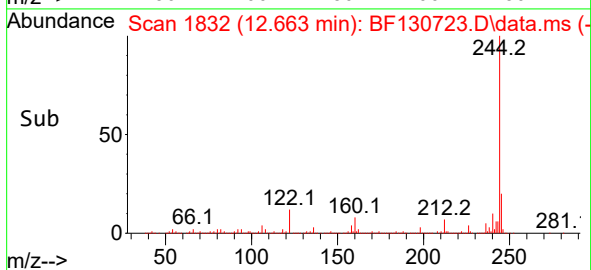
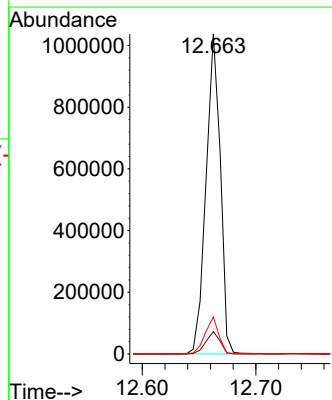
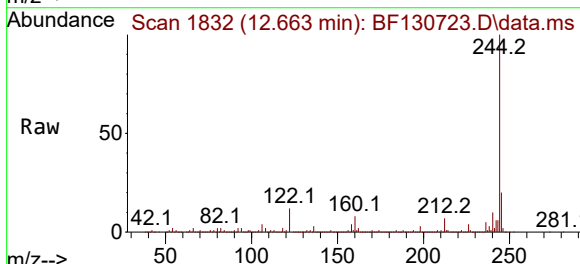
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

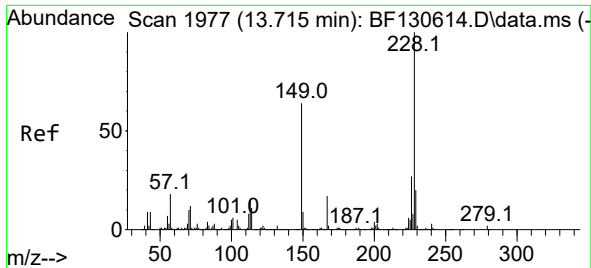
Tgt Ion:202 Resp: 521849
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.0 14.0 21.0



#79
Terphenyl-d14
Concen: 87.996 ng
RT: 12.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:244 Resp: 903705
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.5 7.5 11.3#

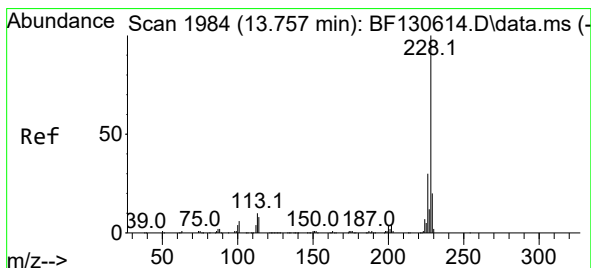
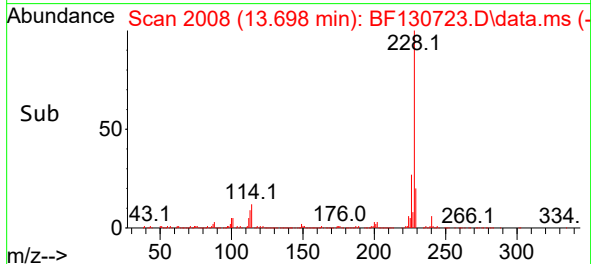
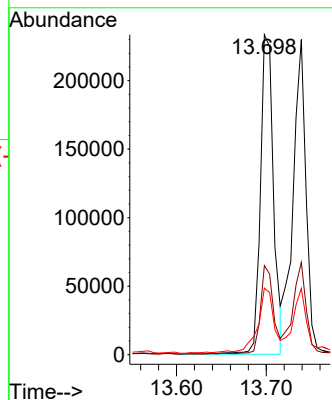
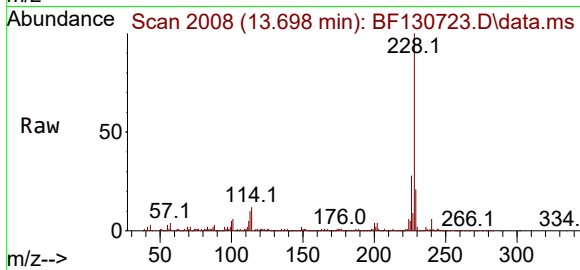




#81
Benzo(a)anthracene
Concen: 20.580 ng
RT: 13.698 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

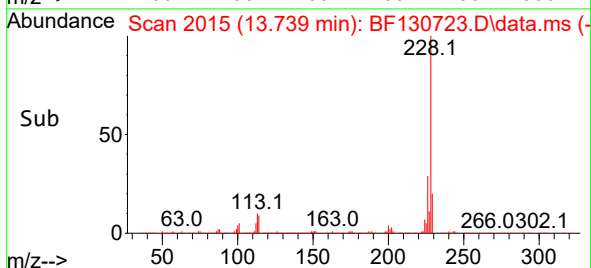
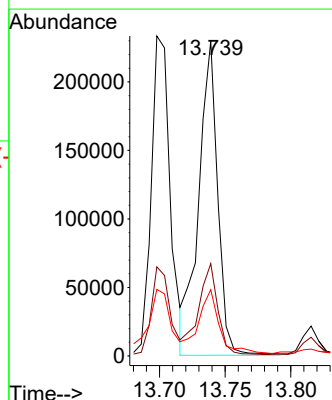
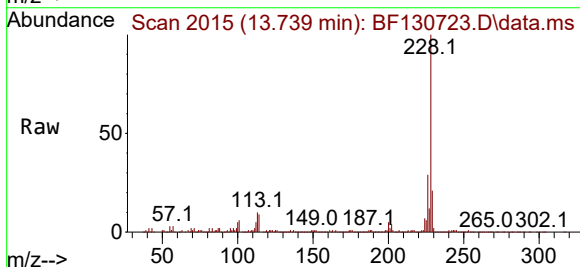
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

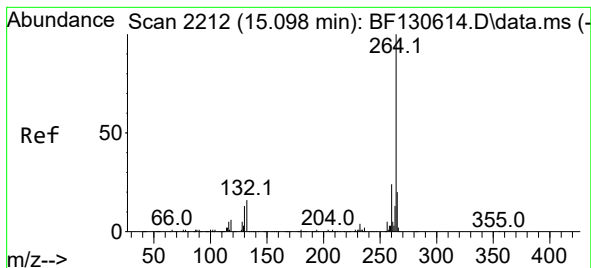
Tgt Ion:228 Resp: 236364
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 20.8 15.8 23.8



#83
Chrysene
Concen: 21.416 ng
RT: 13.739 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:228 Resp: 233205
Ion Ratio Lower Upper
228 100
226 29.3 23.9 35.9
229 21.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

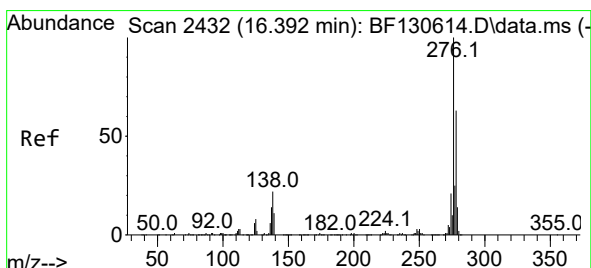
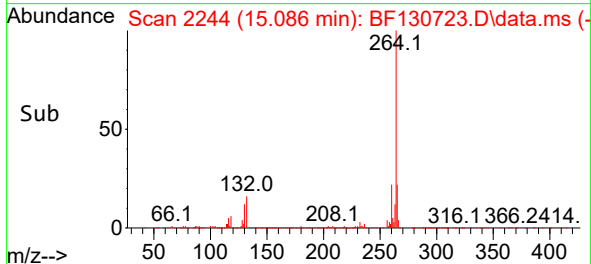
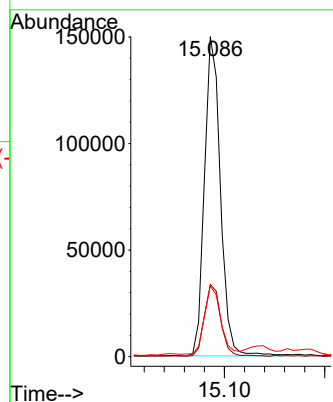
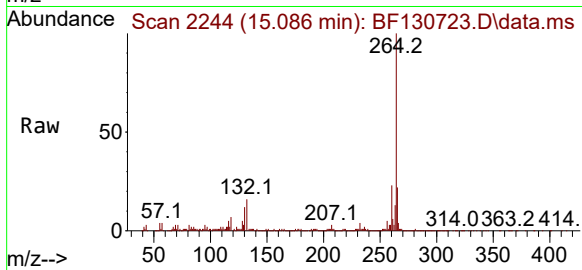
Tgt Ion:264 Resp: 165960

Ion Ratio Lower Upper

264 100

260 22.6 19.1 28.7

265 22.1 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.313 ng

RT: 16.380 min Scan# 2464

Delta R.T. -0.000 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

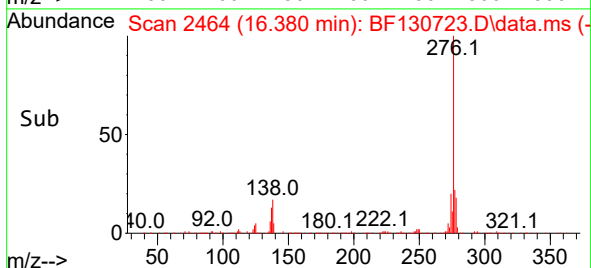
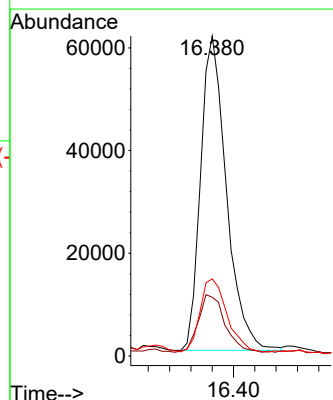
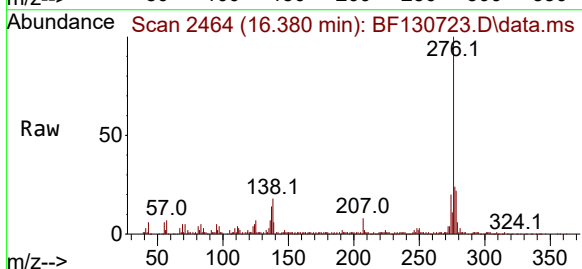
Tgt Ion:276 Resp: 103258

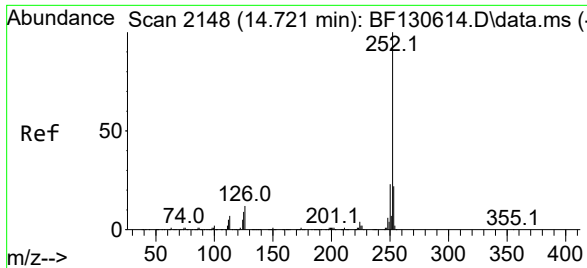
Ion Ratio Lower Upper

276 100

138 20.2 18.0 27.0

277 24.3 20.0 30.0

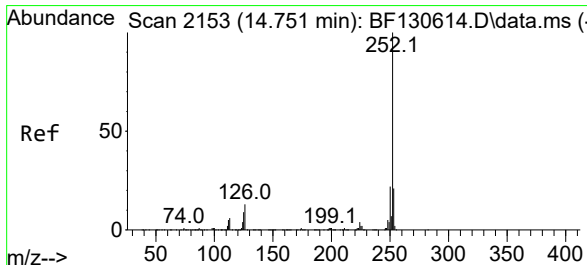
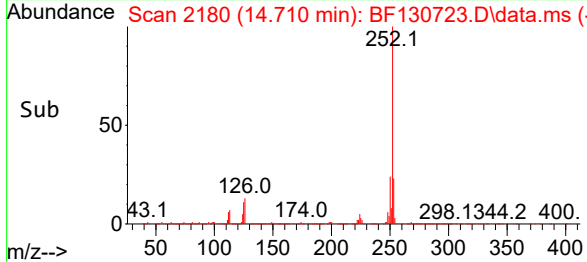
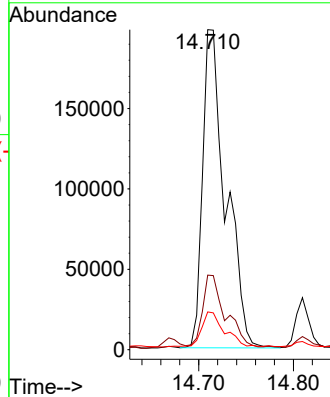
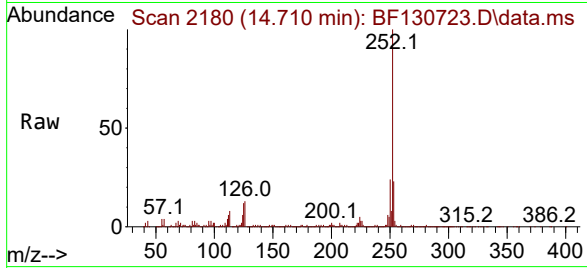




#88
Benzo(b)fluoranthene
Concen: 32.087 ng
RT: 14.710 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

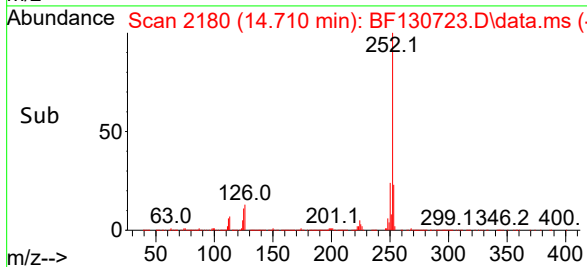
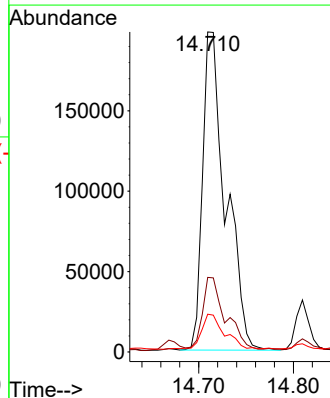
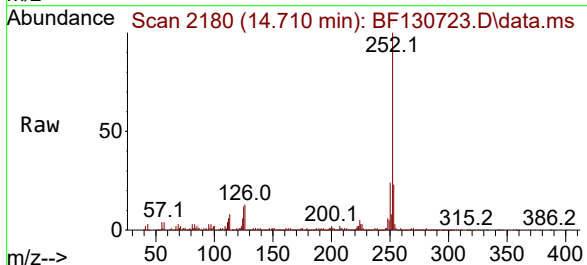
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

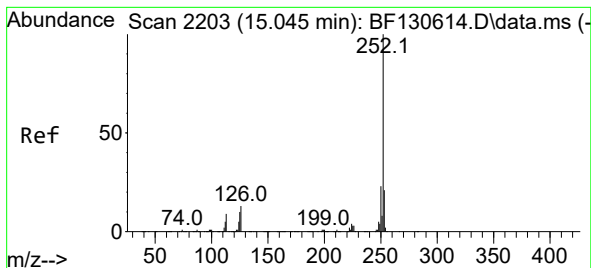
Tgt Ion:252 Resp: 337196
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 11.8 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 31.512 ng
RT: 14.710 min Scan# 2180
Delta R.T. -0.029 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Tgt Ion:252 Resp: 337196
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 11.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 22.768 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

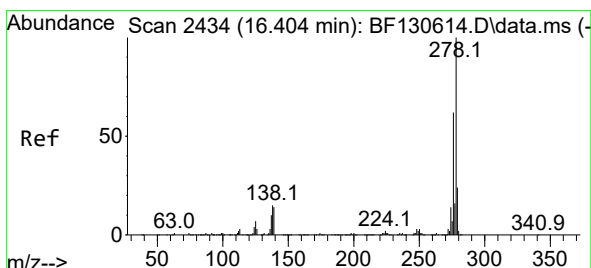
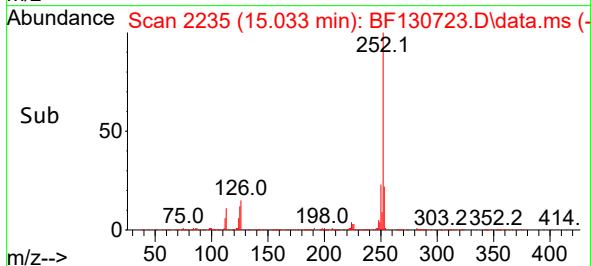
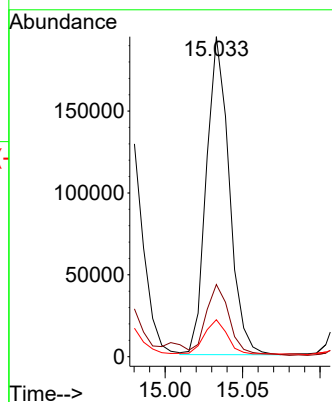
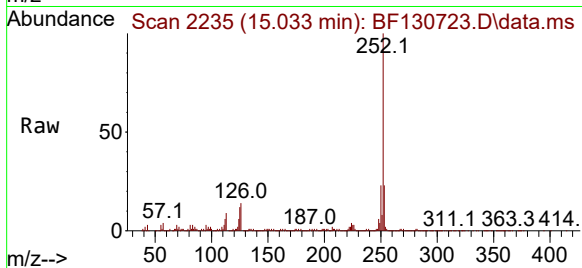
Tgt Ion:252 Resp: 199137

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 11.5 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.857 ng

RT: 16.380 min Scan# 2464

Delta R.T. -0.012 min

Lab File: BF130723.D

Acq: 19 Oct 2022 21:31

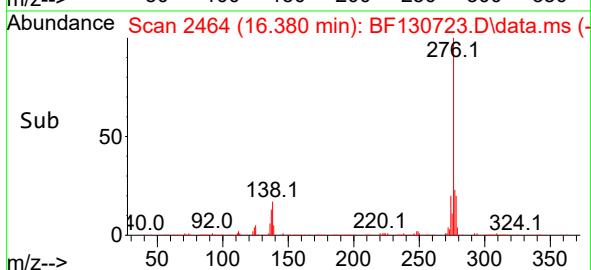
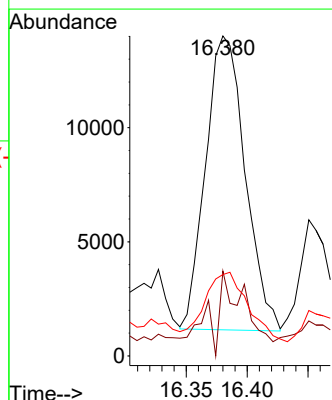
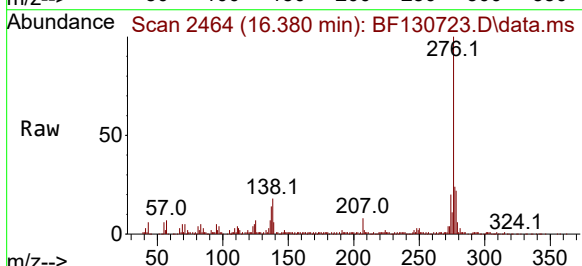
Tgt Ion:278 Resp: 29092

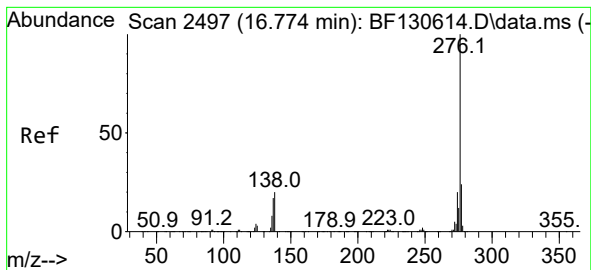
Ion Ratio Lower Upper

278 100

139 26.5 11.1 16.7#

279 25.4 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 8.478 ng

RT: 16.768 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130723.D

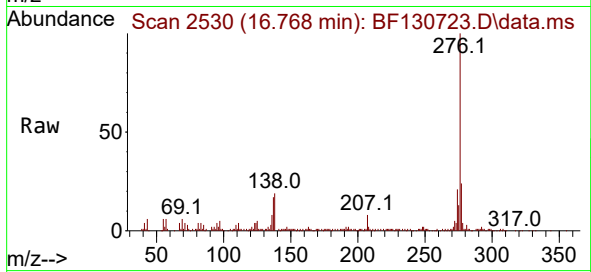
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1



Tgt Ion:276 Resp: 80397

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 19.0 15.9 23.9

