

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101422\
 Data File : BF130673.D
 Acq On : 14 Oct 2022 19:16
 Operator : CG\JU
 Sample : N5134-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2

Quant Time: Oct 17 02:23:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

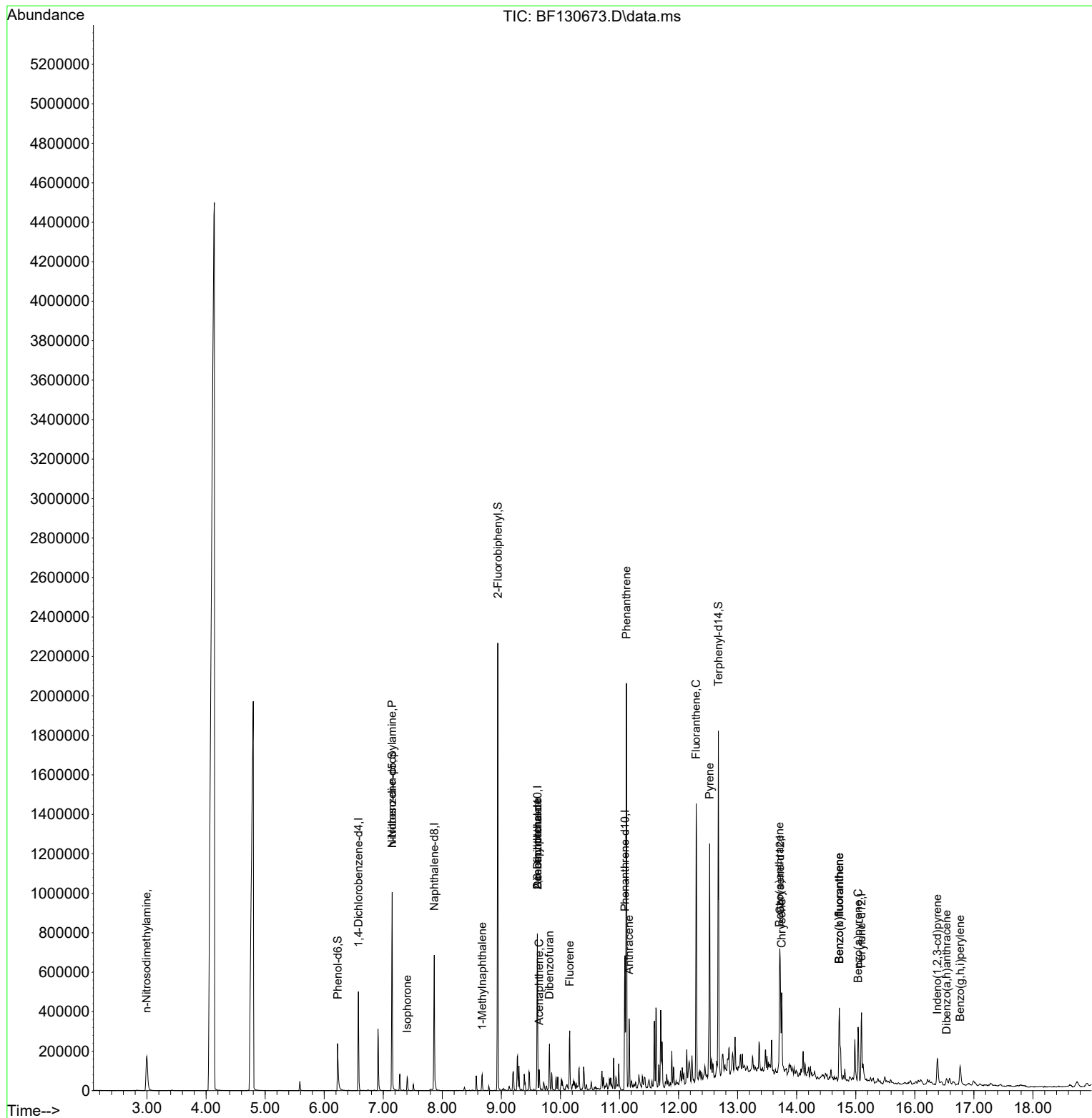
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.581	152	72283	20.000	ng	0.00
21) Naphthalene-d8	7.863	136	283865	20.000	ng	-0.01
39) Acenaphthene-d10	9.610	164	147901	20.000	ng	-0.01
64) Phenanthrene-d10	11.092	188	243457	20.000	ng	0.00
76) Chrysene-d12	13.721	240	129574	20.000	ng	0.00
86) Perylene-d12	15.098	264	144070	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	1477	0.368	ng	0.06
7) Phenol-d6	6.228	99	93156	18.477	ng	-0.01
23) Nitrobenzene-d5	7.151	82	297650	57.242	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	8.939	172	596686	61.110	ng	-0.01
79) Terphenyl-d14	12.674	244	532855	68.254	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	2.993	42	6070	2.969	ng	# 1
19) n-Nitroso-di-n-propyla...	7.151	70	38912	11.963	ng	# 77
25) Isophorone	7.404	82	29078	3.360	ng	98
38) 1-Methylnaphthalene	8.675	142	21388	2.383	ng	96
50) Dimethylphthalate	9.610	163	27494	2.685	ng	# 1
51) 2,6-Dinitrotoluene	9.610	165	20828	9.274	ng	# 25
52) Acenaphthene	9.639	154	20611	2.592	ng	96
55) Dibenzofuran	9.816	168	58600	4.837	ng	# 97
58) Fluorene	10.157	166	77270	7.758	ng	100
71) Phenanthrene	11.116	178	716315	53.106	ng	99
72) Anthracene	11.163	178	130260	9.888	ng	99
75) Fluoranthene	12.298	202	560152	43.209	ng	97
78) Pyrene	12.527	202	440811	39.434	ng	100
81) Benzo(a)anthracene	13.710	228	180270	20.647	ng	99
83) Chrysene	13.745	228	151060	18.248	ng	98
87) Indeno(1,2,3-cd)pyrene	16.380	276	80723	7.486	ng	95
88) Benzo(b)fluoranthene	14.721	252	228861	25.087	ng	98
89) Benzo(k)fluoranthene	14.721	252	228861	24.638	ng	97
90) Benzo(a)pyrene	15.039	252	122697	16.160	ng	97
91) Dibenzo(a,h)anthracene	16.539	278	20057	2.269	ng	93
92) Benzo(g,h,i)perylene	16.768	276	70847	8.606	ng	97

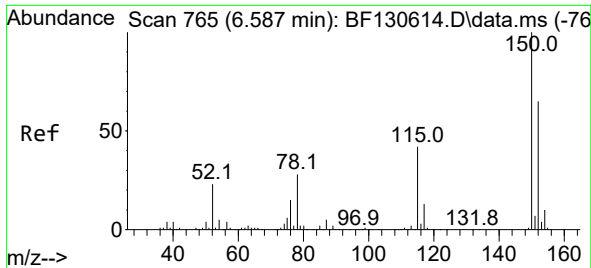
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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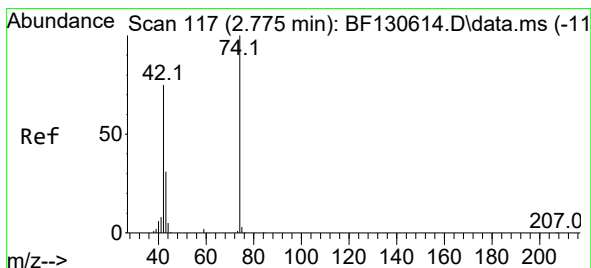
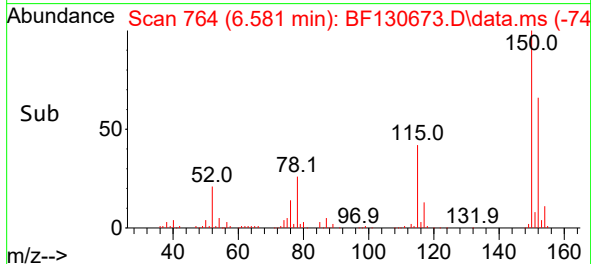
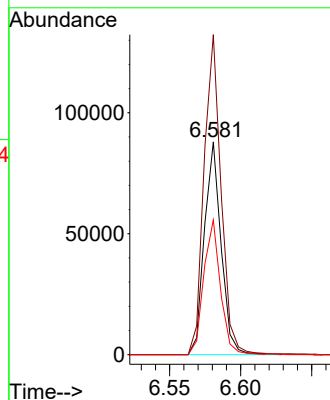
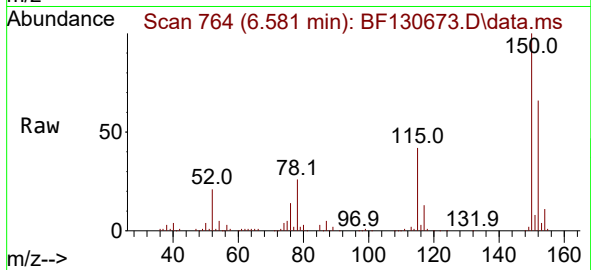




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.581 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

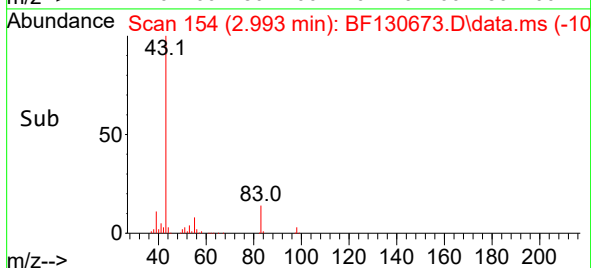
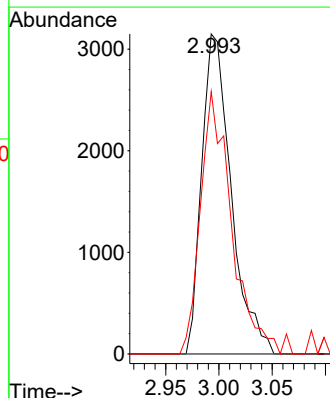
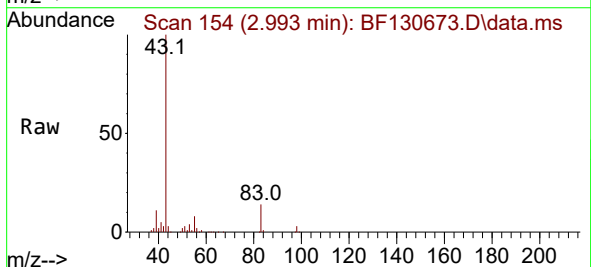
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ClientSampleId :
CONCRETE-COMP-2

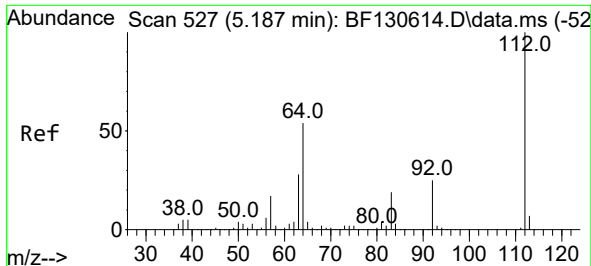
Tgt Ion:152 Resp: 72283
Ion Ratio Lower Upper
152 100
150 150.4 123.8 185.6
115 63.3 52.2 78.4



#4
n-Nitrosodimethylamine
Concen: 2.969 ng
RT: 2.993 min Scan# 154
Delta R.T. 0.218 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion: 42 Resp: 6070
Ion Ratio Lower Upper
42 100
74 0.0 106.2 159.2#
44 81.9 5.0 7.4#

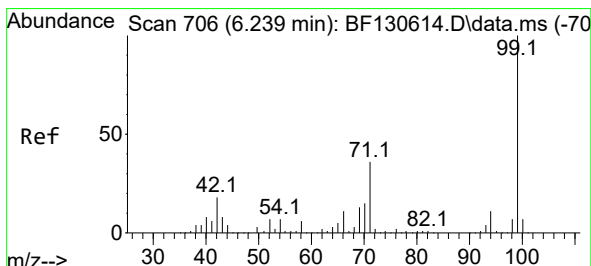
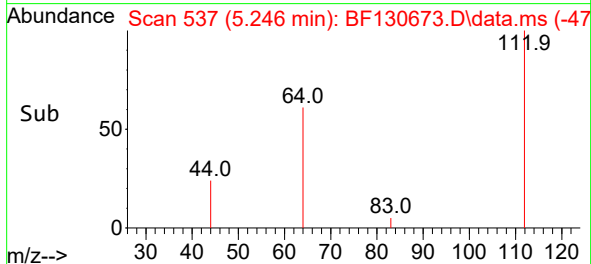
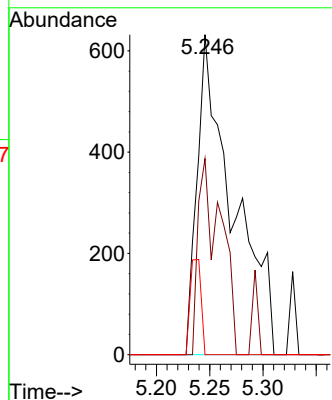
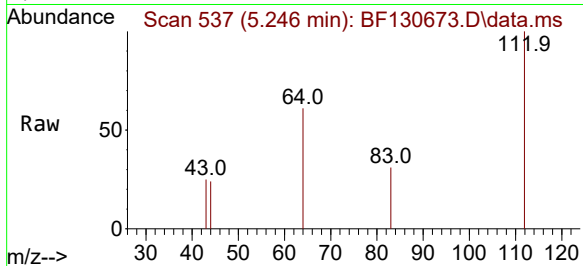




#5
2-Fluorophenol
Concen: 0.368 ng
RT: 5.246 min Scan# 51
Delta R.T. 0.059 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

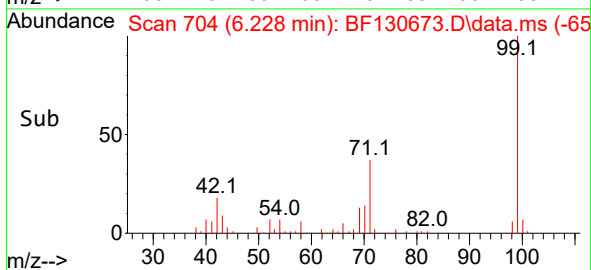
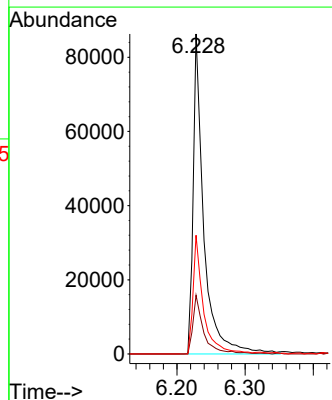
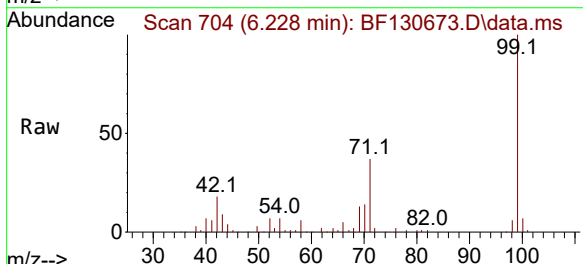
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

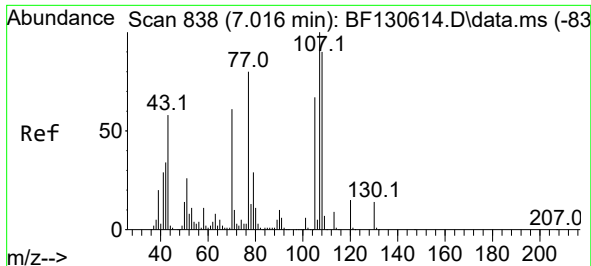
Tgt Ion:112 Resp: 1477
Ion Ratio Lower Upper
112 100
64 61.2 43.5 65.3
63 0.0 22.6 34.0#



#7
Phenol-d6
Concen: 18.477 ng
RT: 6.228 min Scan# 704
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion: 99 Resp: 93156
Ion Ratio Lower Upper
99 100
42 18.3 14.0 21.0
71 37.1 28.8 43.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.963 ng

RT: 7.151 min Scan# 80

Delta R.T. 0.135 min

Lab File: BF130673.D

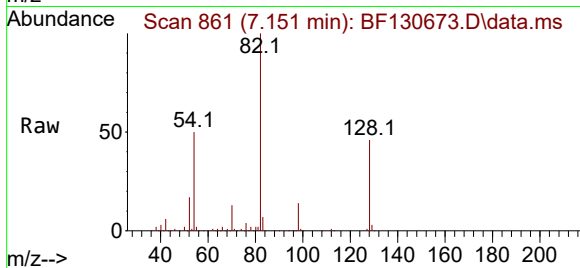
Acq: 14 Oct 2022 19:16

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-2



Tgt Ion: 70 Resp: 38912

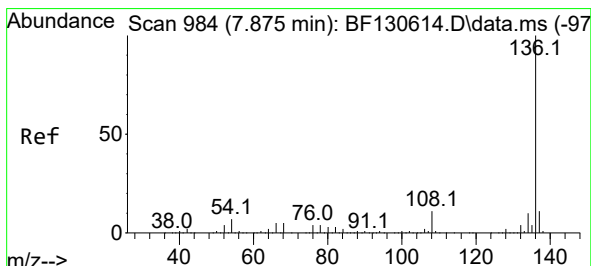
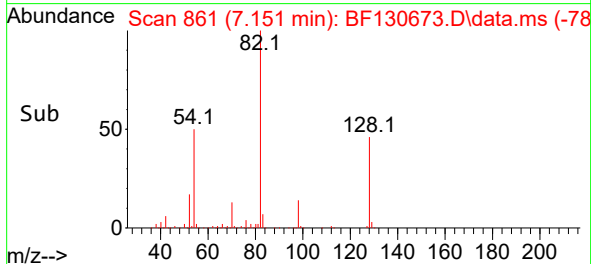
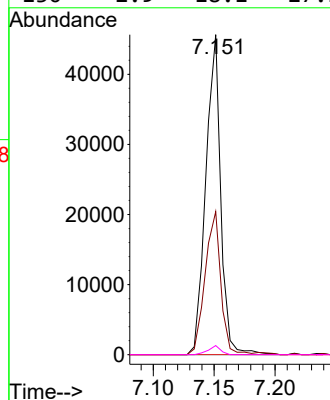
Ion Ratio Lower Upper

70 100

42 44.7 44.3 66.5

101 0.0 7.9 11.9#

130 2.9 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.863 min Scan# 982

Delta R.T. -0.012 min

Lab File: BF130673.D

Acq: 14 Oct 2022 19:16

Tgt Ion: 136 Resp: 283865

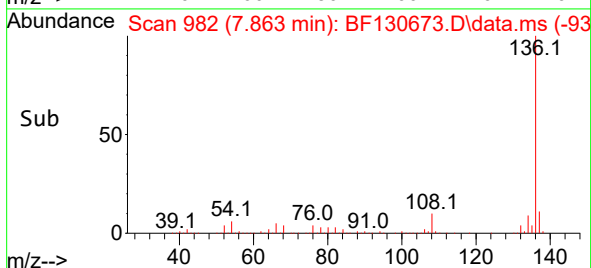
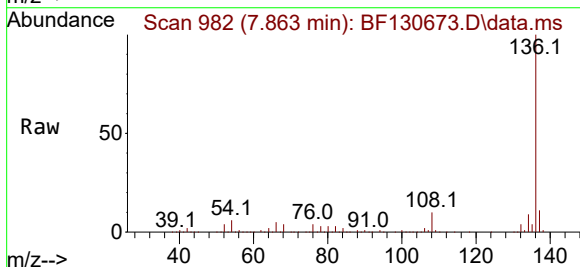
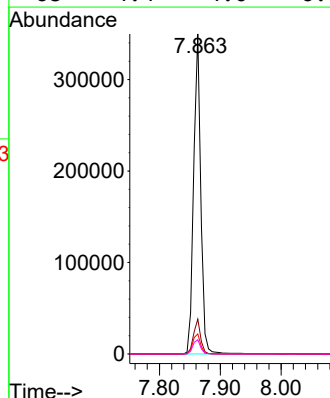
Ion Ratio Lower Upper

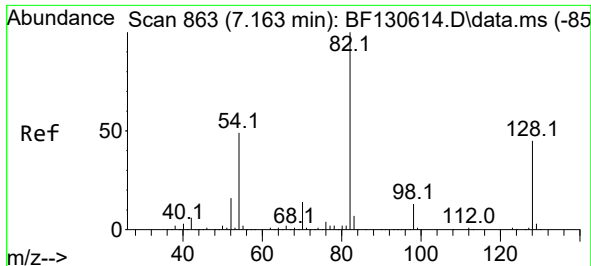
136 100

137 10.9 8.4 12.6

54 6.2 5.5 8.3

68 4.4 4.0 6.0

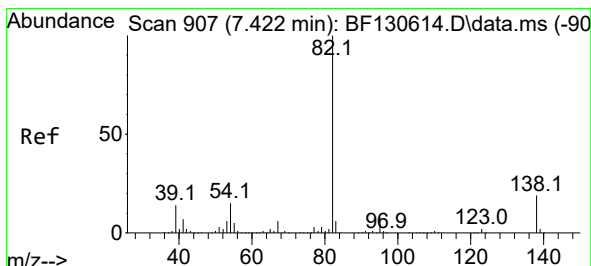
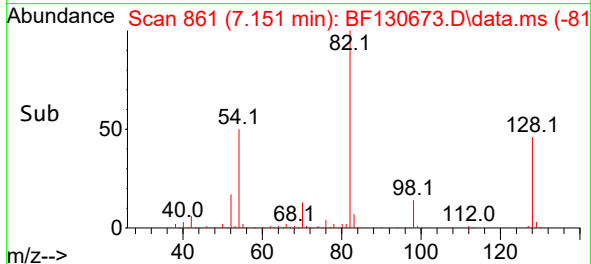
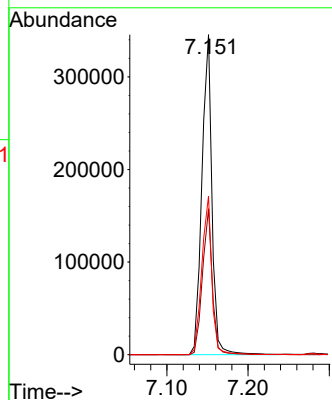
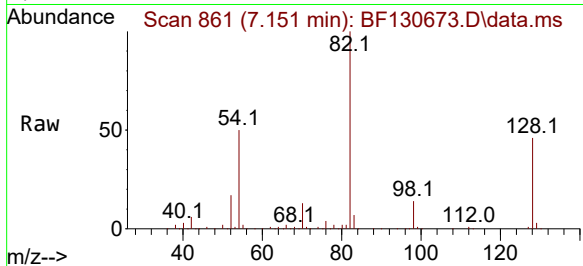




#23
Nitrobenzene-d5
Concen: 57.242 ng
RT: 7.151 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

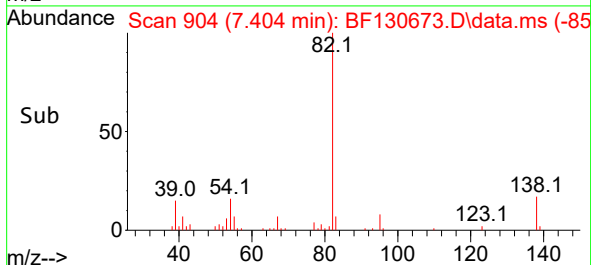
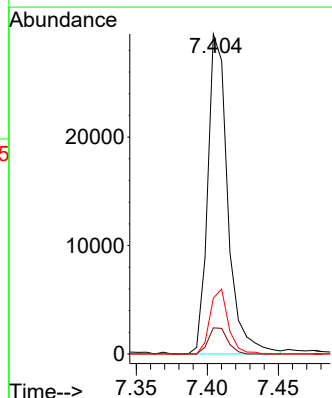
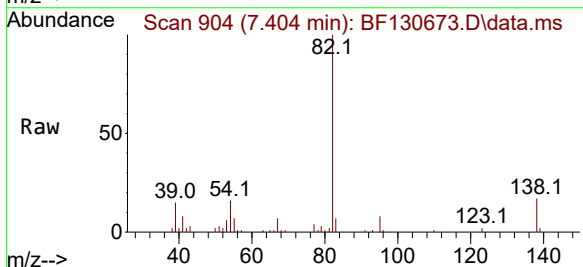
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ClientSampleId :
CONCRETE-COMP-2

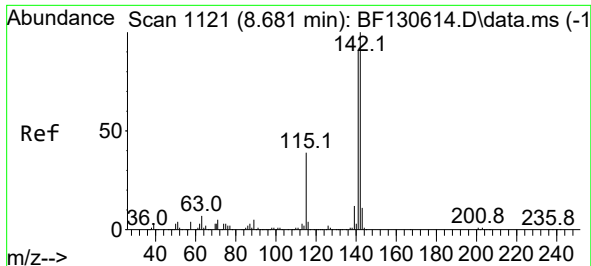
Tgt Ion: 82 Resp: 297650
Ion Ratio Lower Upper
82 100
128 45.6 35.8 53.6
54 49.6 39.3 58.9



#25
Isophorone
Concen: 3.360 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion: 82 Resp: 29078
Ion Ratio Lower Upper
82 100
95 8.2 6.1 9.1
138 17.5 14.9 22.3





#38

1-Methylnaphthalene

Concen: 2.383 ng

RT: 8.675 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF130673.D

Acq: 14 Oct 2022 19:16

Instrument :

BNA_F

ClientSampleId :

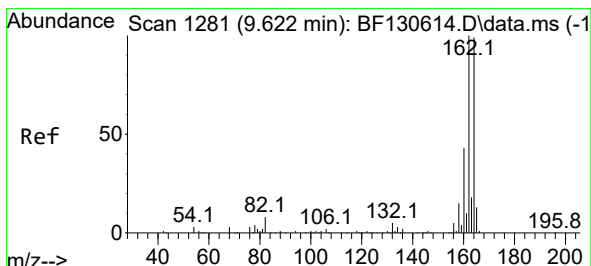
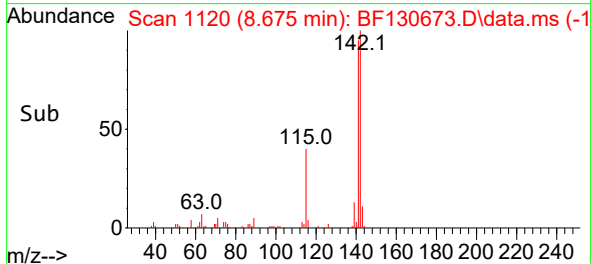
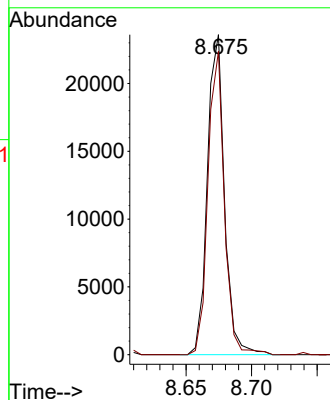
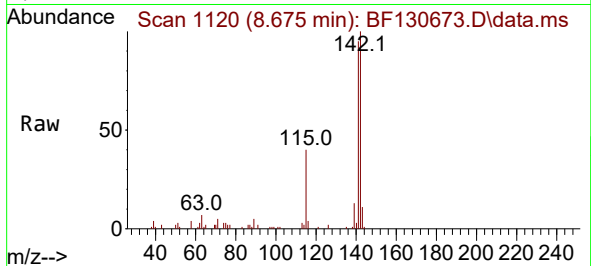
CONCRETE-COMP-2

Tgt Ion:142 Resp: 21388

Ion Ratio Lower Upper

142 100

141 94.8 72.6 108.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.610 min Scan# 1279

Delta R.T. -0.012 min

Lab File: BF130673.D

Acq: 14 Oct 2022 19:16

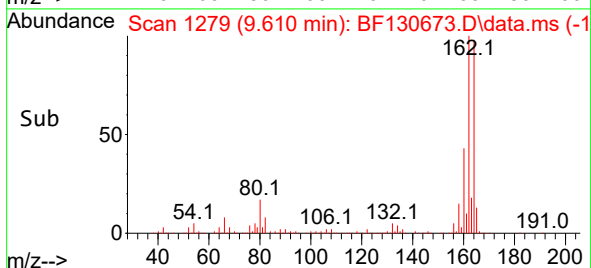
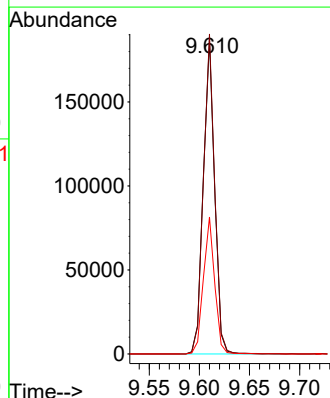
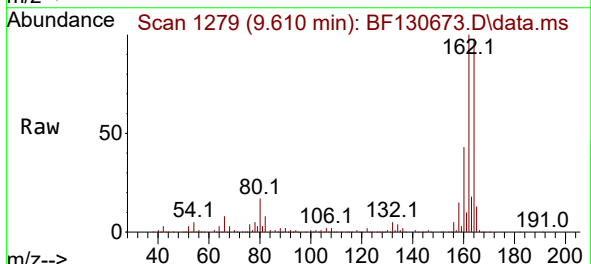
Tgt Ion:164 Resp: 147901

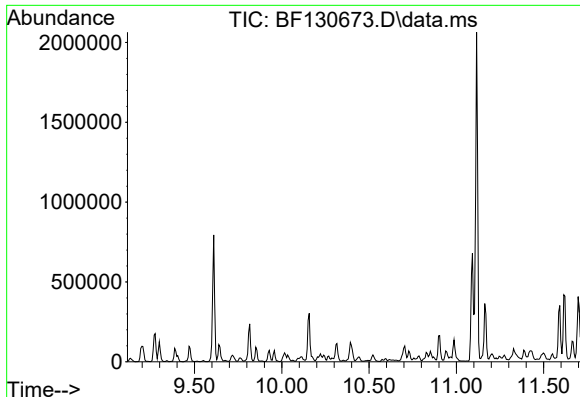
Ion Ratio Lower Upper

164 100

162 101.7 81.0 121.4

160 43.6 34.5 51.7

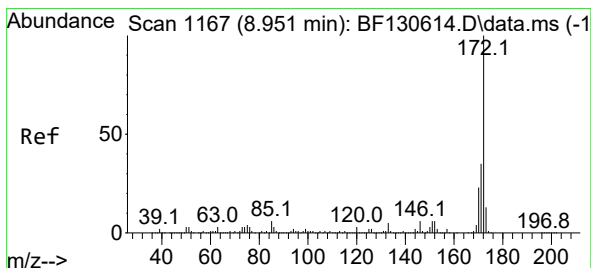
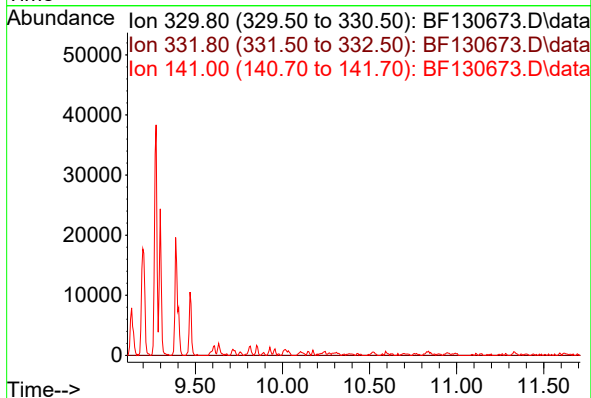




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.41 min
 Lab File: BF130673.D
 Acq: 14 Oct 2022 19:16

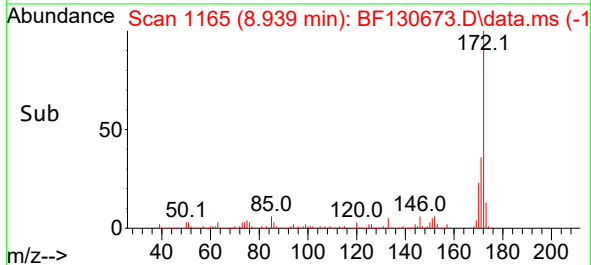
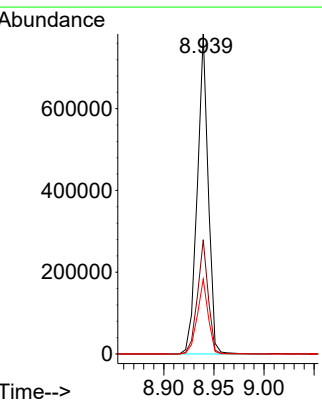
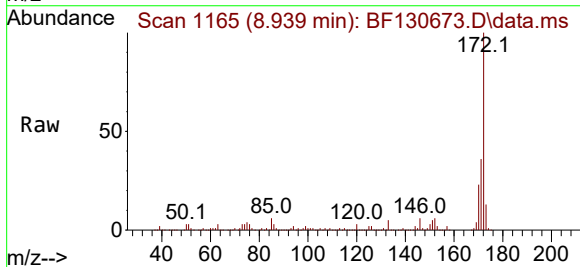
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 CONCRETE-COMP-2

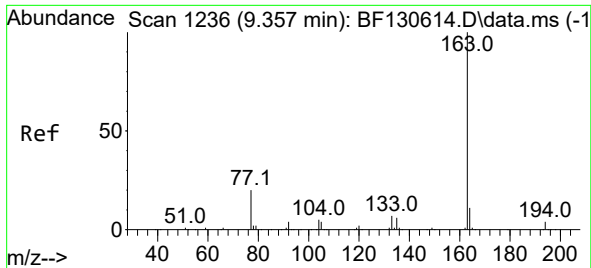
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 105.3
 141 33.5



#45
 2-Fluorobiphenyl
 Concen: 61.110 ng
 RT: 8.939 min Scan# 1165
 Delta R.T. -0.012 min
 Lab File: BF130673.D
 Acq: 14 Oct 2022 19:16

Tgt Ion: 172 Resp: 596686
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.8 41.8
 170 23.4 18.6 27.8

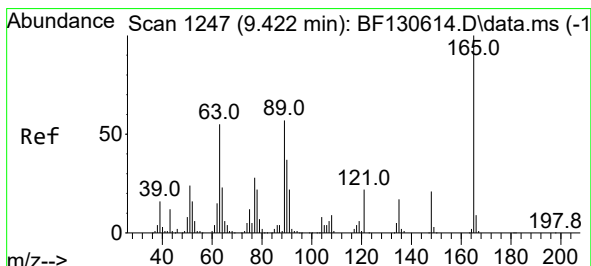
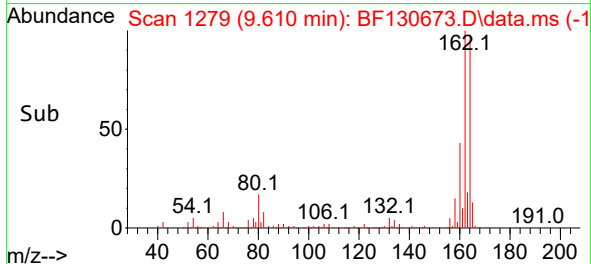
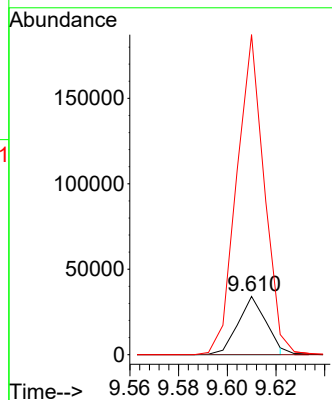
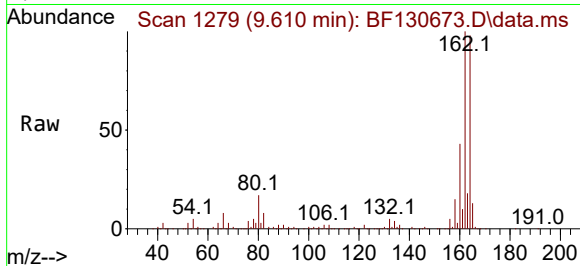




#50
Dimethylphthalate
Concen: 2.685 ng
RT: 9.610 min Scan# 1279
Delta R.T. 0.253 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

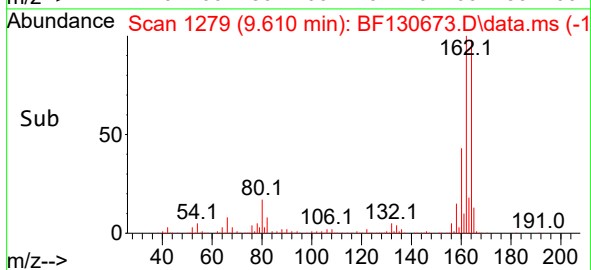
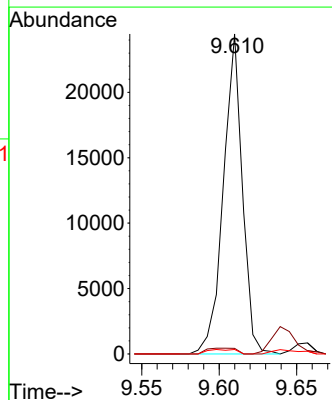
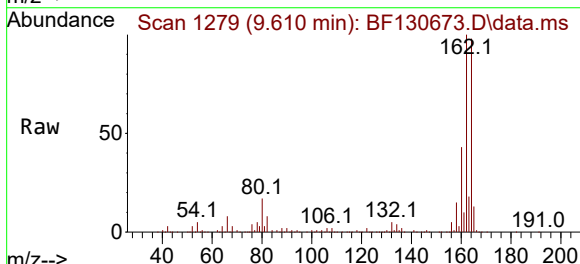
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BNA_F
ClientSampleId :
CONCRETE-COMP-2

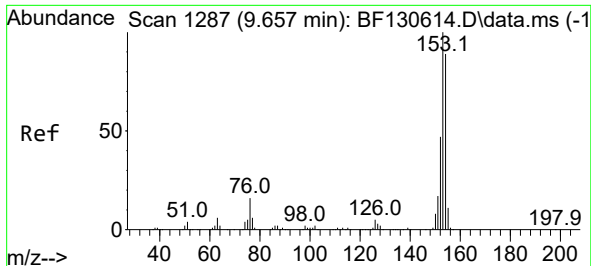
Tgt Ion:163 Resp: 27494
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 548.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.274 ng
RT: 9.610 min Scan# 1279
Delta R.T. 0.188 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:165 Resp: 20828
Ion Ratio Lower Upper
165 100
63 1.7 45.3 67.9#
89 1.4 45.6 68.4#

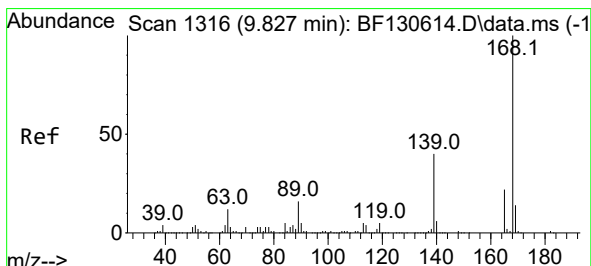
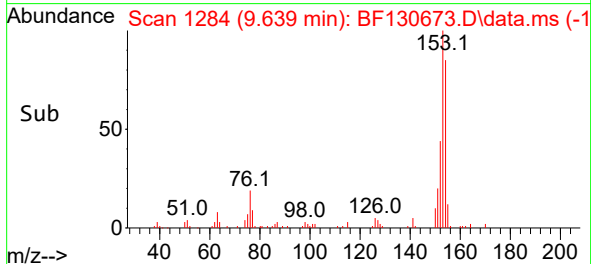
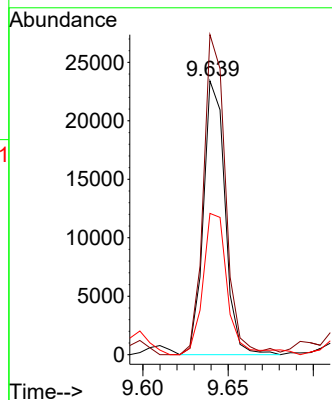
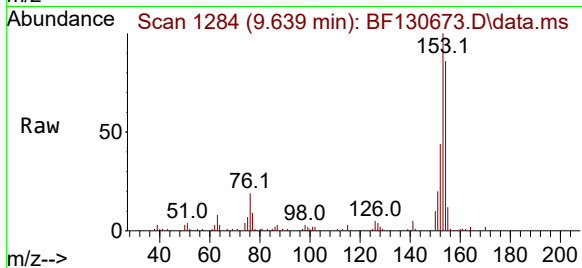




#52
Acenaphthene
Concen: 2.592 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

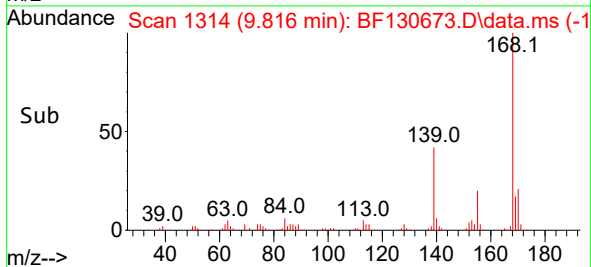
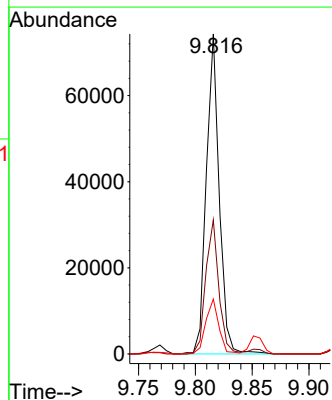
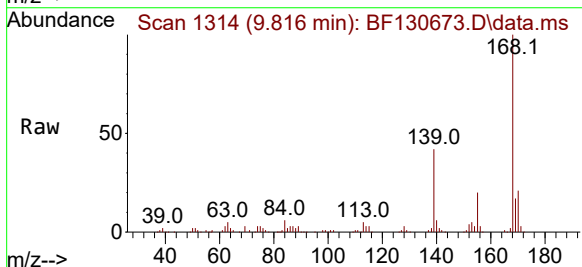
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

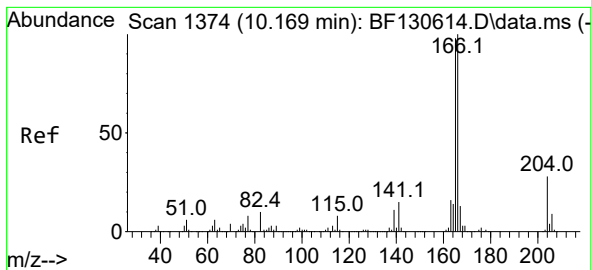
Tgt Ion:154 Resp: 20611
Ion Ratio Lower Upper
154 100
153 116.9 89.6 134.4
152 51.6 42.4 63.6



#55
Dibenzofuran
Concen: 4.837 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:168 Resp: 58600
Ion Ratio Lower Upper
168 100
139 41.9 33.0 49.4
169 17.2 10.9 16.3#

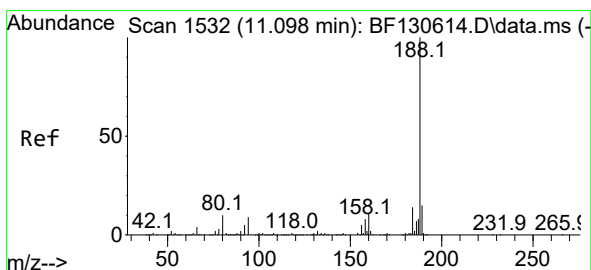
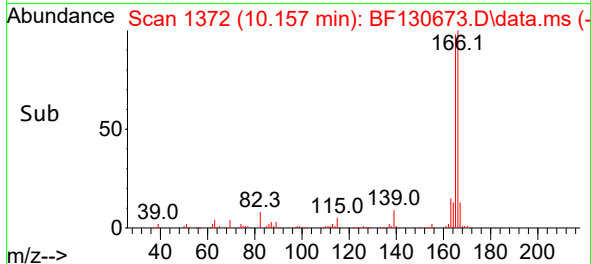
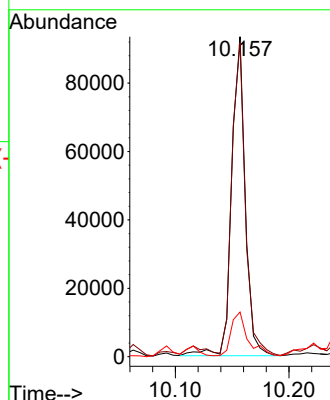
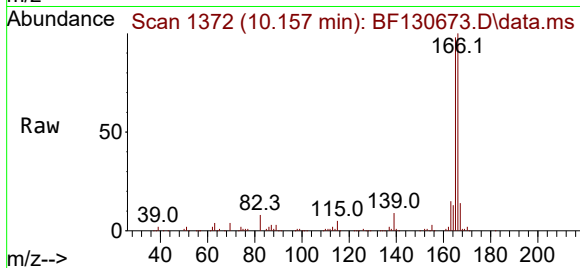




#58
 Fluorene
 Concen: 7.758 ng
 RT: 10.157 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF130673.D
 Acq: 14 Oct 2022 19:16

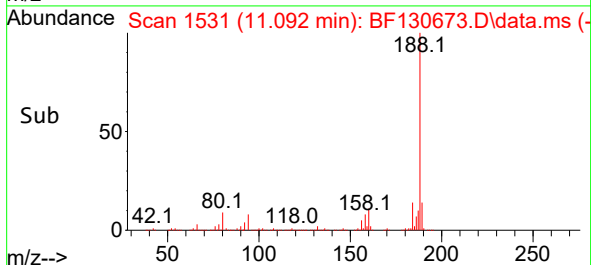
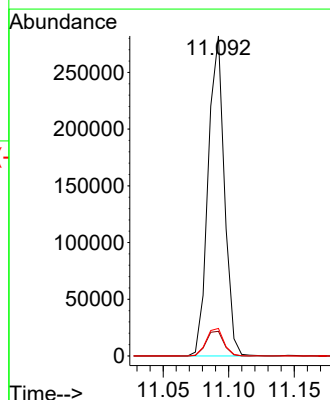
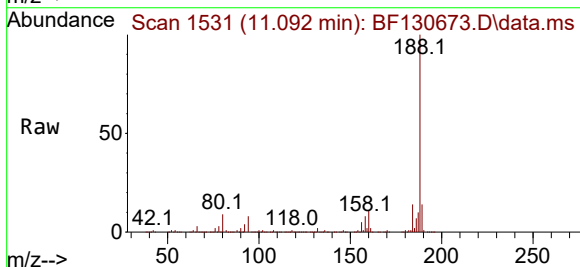
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2

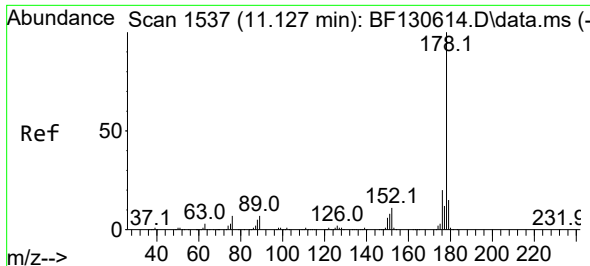
Tgt Ion:166 Resp: 77270
 Ion Ratio Lower Upper
 166 100
 165 98.1 78.2 117.4
 167 13.9 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.092 min Scan# 1531
 Delta R.T. -0.006 min
 Lab File: BF130673.D
 Acq: 14 Oct 2022 19:16

Tgt Ion:188 Resp: 243457
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.4 11.2
 80 8.6 8.0 12.0

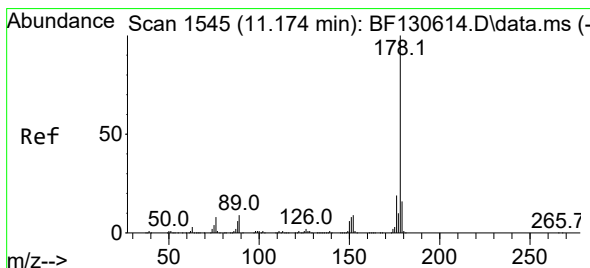
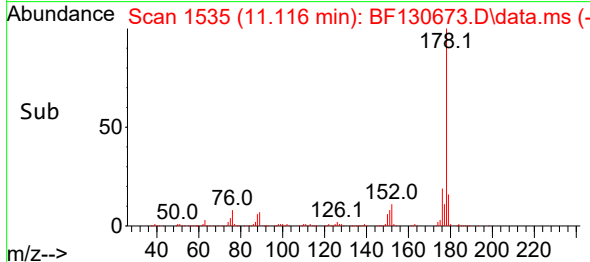
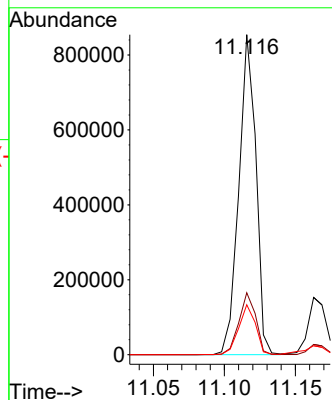
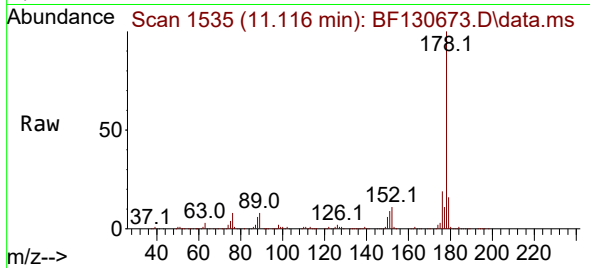




#71
Phenanthrene
Concen: 53.106 ng
RT: 11.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

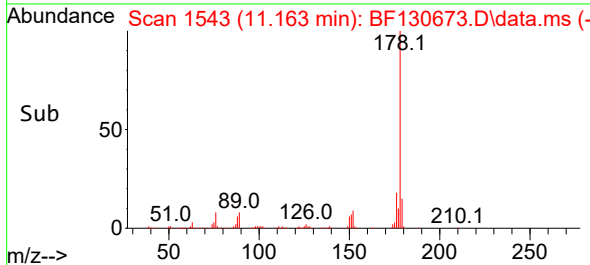
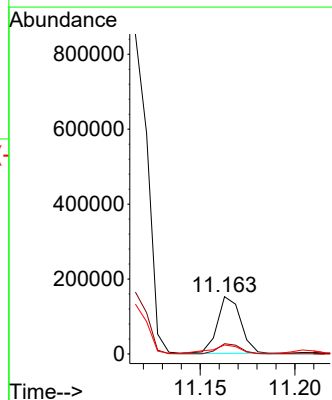
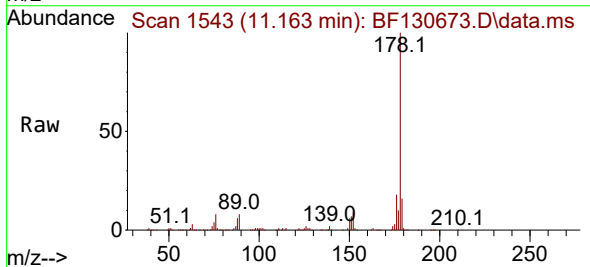
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

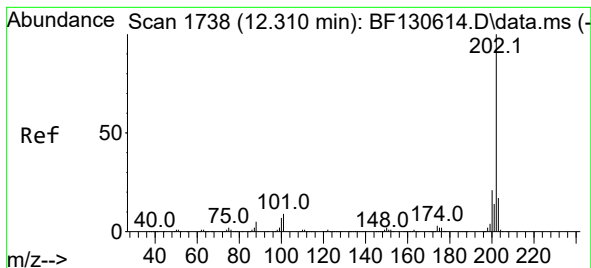
Tgt Ion:178 Resp: 716315
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.6 12.2 18.4



#72
Anthracene
Concen: 9.888 ng
RT: 11.163 min Scan# 1543
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:178 Resp: 130260
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.5 12.5 18.7

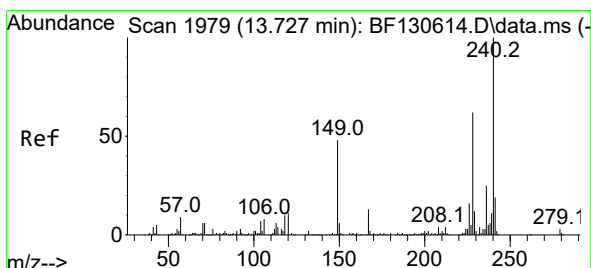
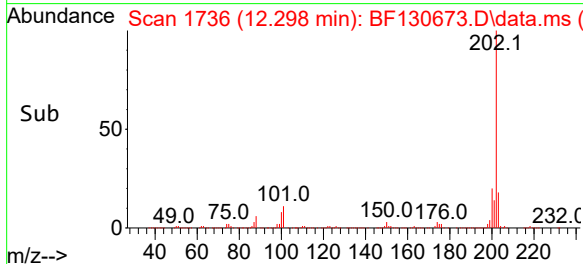
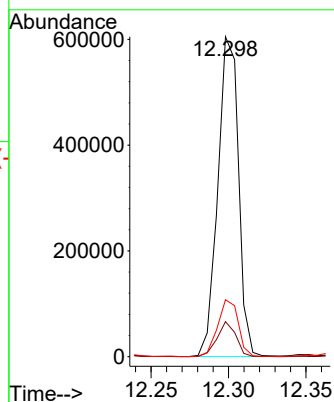
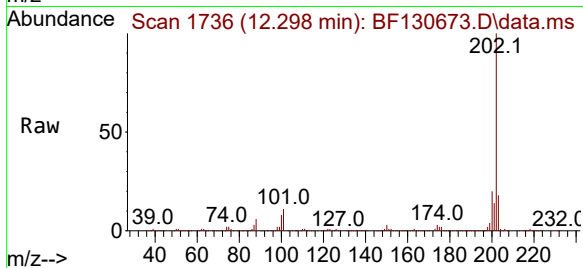




#75
Fluoranthene
Concen: 43.209 ng
RT: 12.298 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

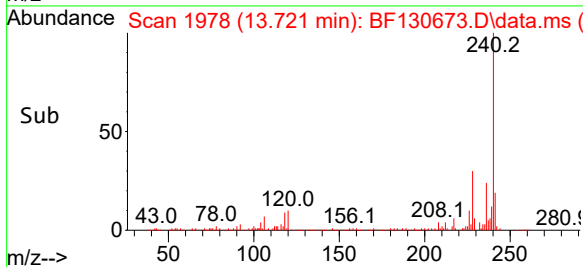
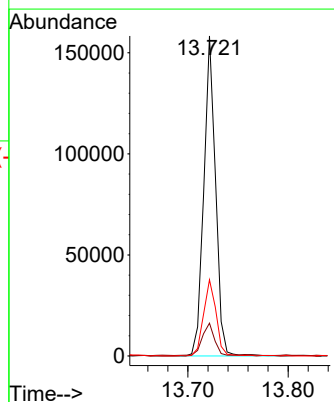
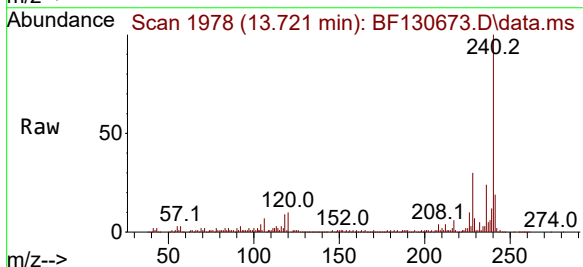
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

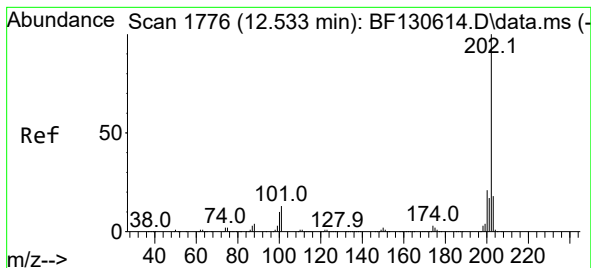
Tgt Ion:202 Resp: 560152
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.1
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.721 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:240 Resp: 129574
Ion Ratio Lower Upper
240 100
120 10.2 8.6 13.0
236 23.8 20.2 30.4





#78

Pyrene

Concen: 39.434 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130673.D

Acq: 14 Oct 2022 19:16

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-2

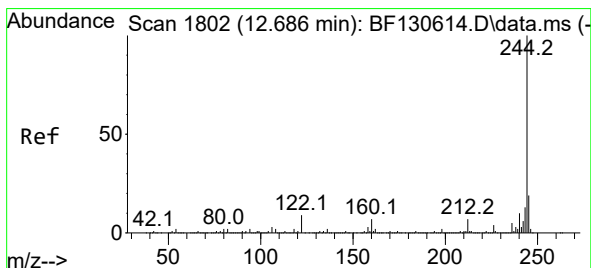
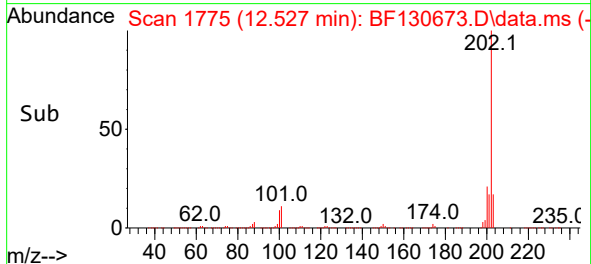
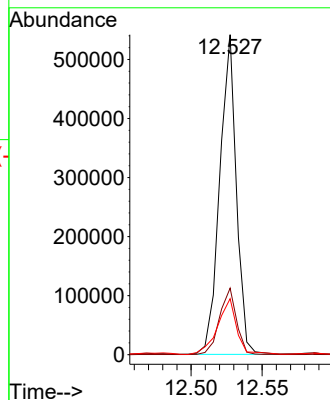
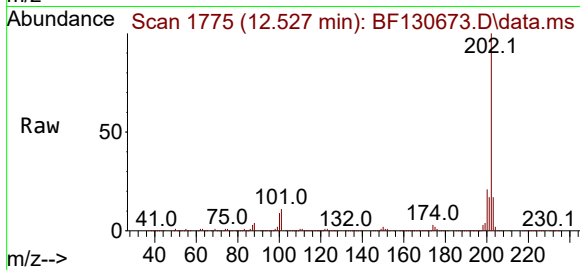
Tgt Ion:202 Resp: 440811

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.5 14.0 21.0



#79

Terphenyl-d14

Concen: 68.254 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF130673.D

Acq: 14 Oct 2022 19:16

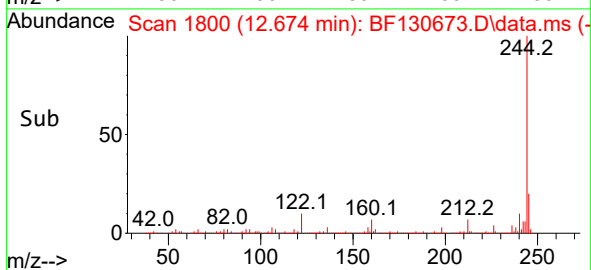
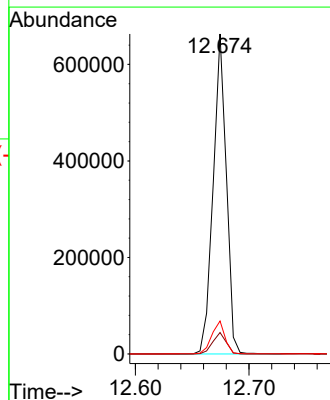
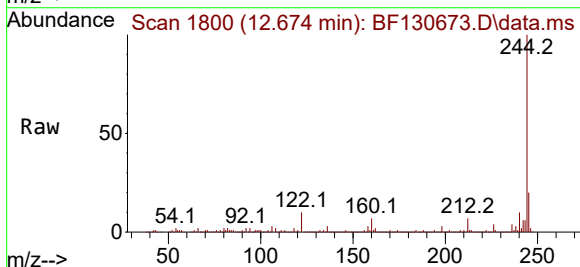
Tgt Ion:244 Resp: 532855

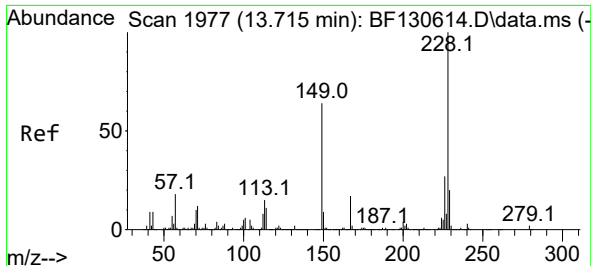
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 7.5 11.3

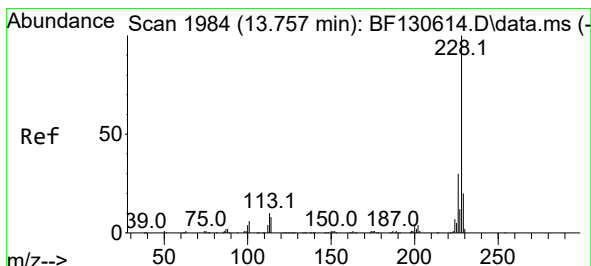
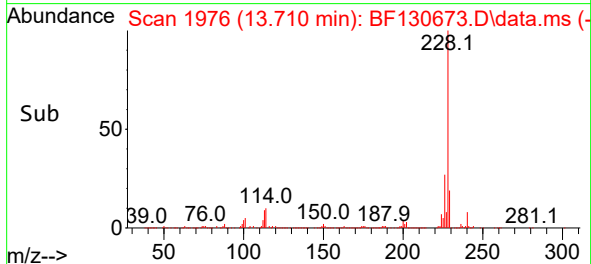
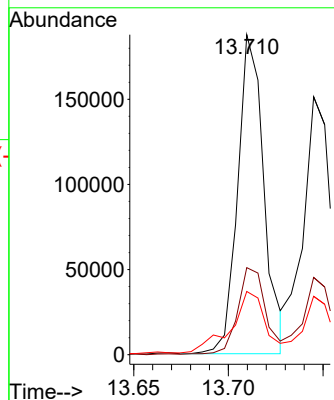
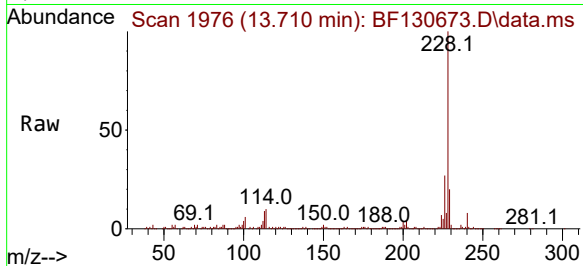




#81
Benzo(a)anthracene
Concen: 20.647 ng
RT: 13.710 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

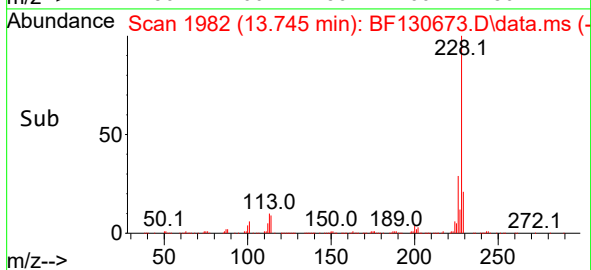
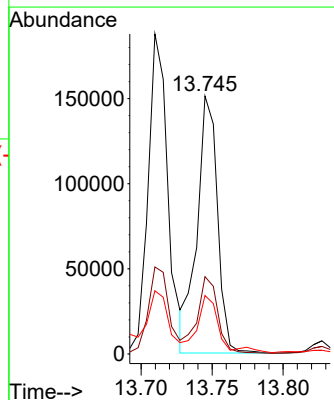
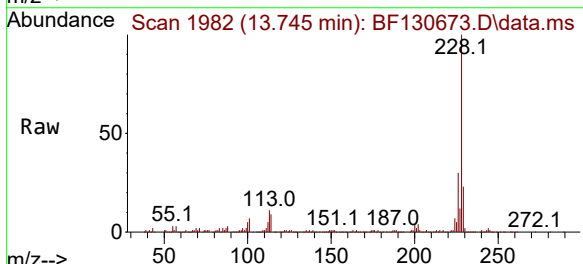
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

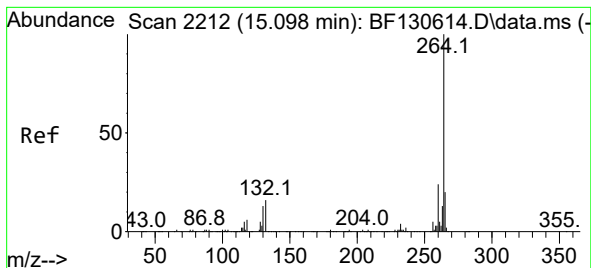
Tgt Ion:228 Resp: 180270
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.7 15.8 23.8



#83
Chrysene
Concen: 18.248 ng
RT: 13.745 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:228 Resp: 151060
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.6 15.9 23.9

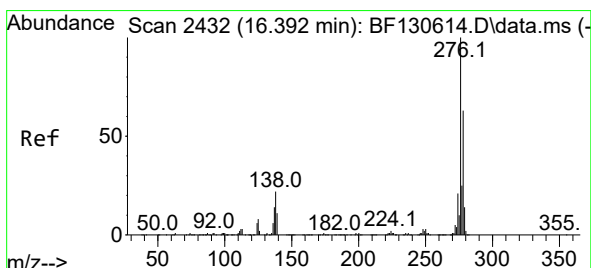
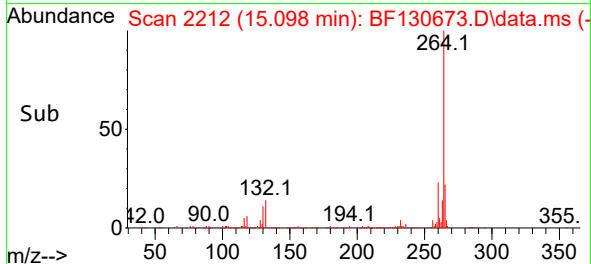
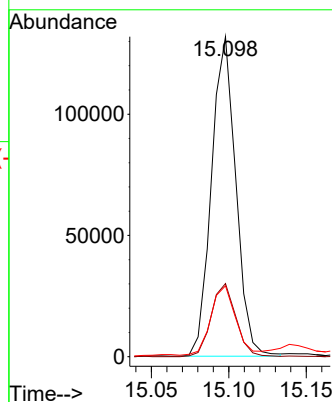
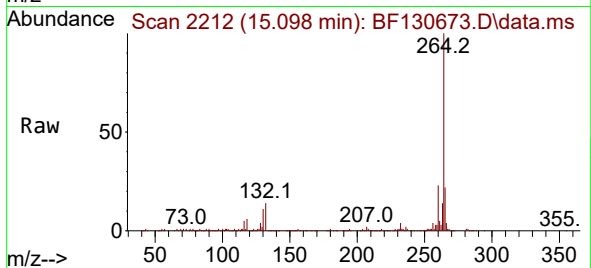




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

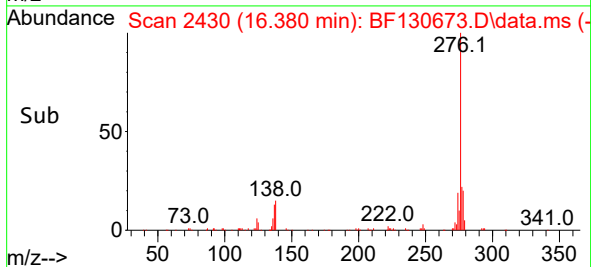
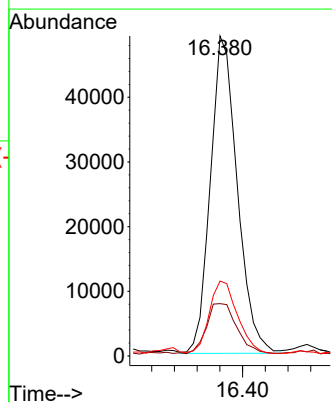
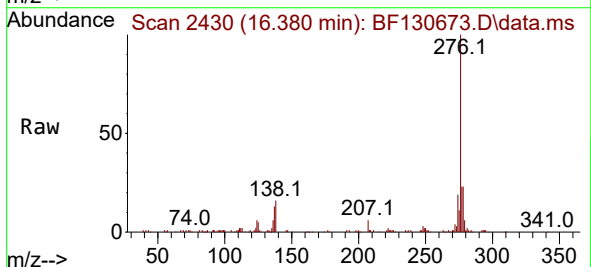
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

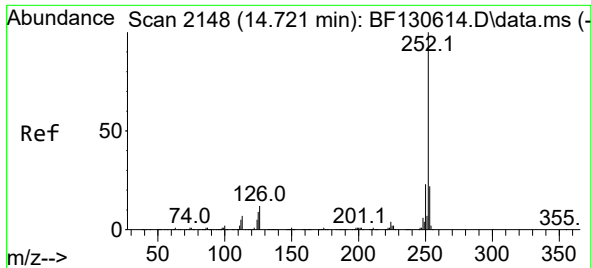
Tgt Ion:264 Resp: 144070
Ion Ratio Lower Upper
264 100
260 22.9 19.1 28.7
265 22.2 16.4 24.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.486 ng
RT: 16.380 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:276 Resp: 80723
Ion Ratio Lower Upper
276 100
138 19.3 18.0 27.0
277 23.6 20.0 30.0

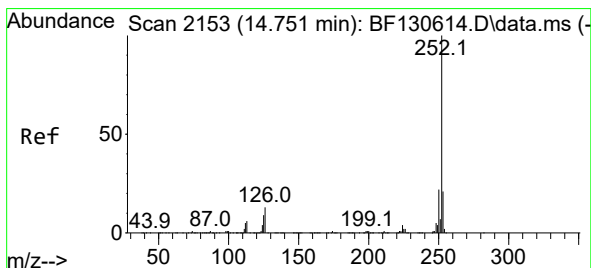
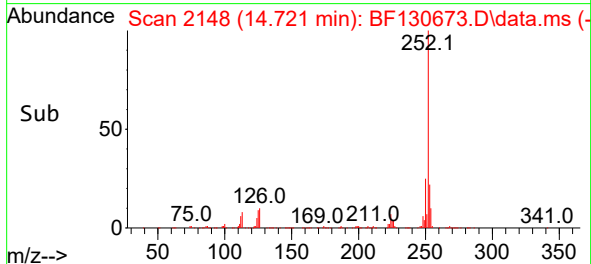
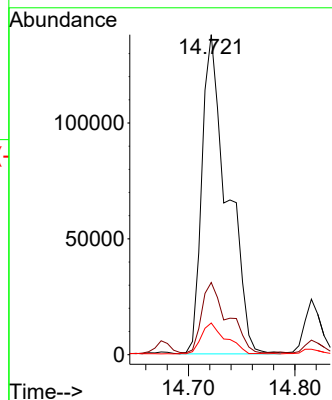
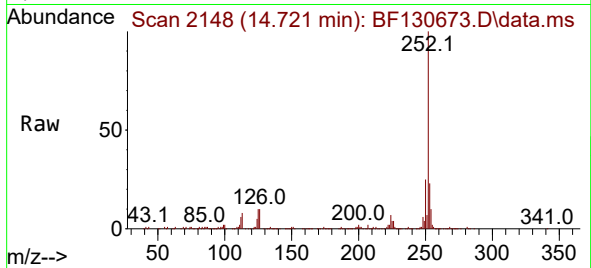




#88
Benzo(b)fluoranthene
Concen: 25.087 ng
RT: 14.721 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

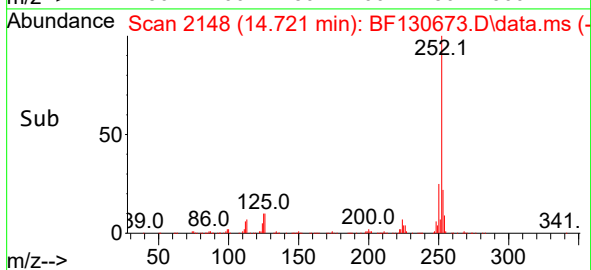
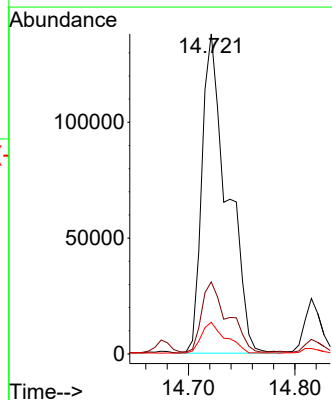
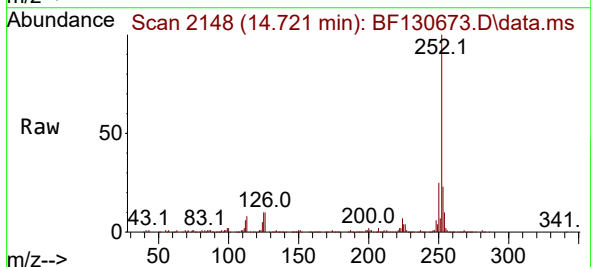
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

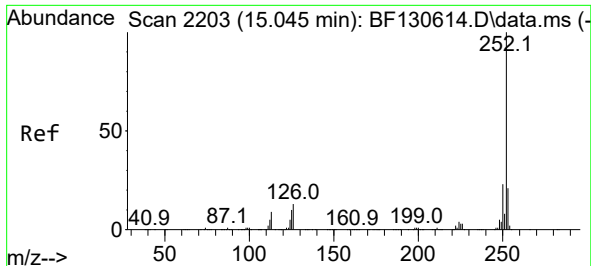
Tgt Ion:252 Resp: 228861
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.9 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 24.638 ng
RT: 14.721 min Scan# 2148
Delta R.T. -0.029 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

Tgt Ion:252 Resp: 228861
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 9.9 7.2 10.8

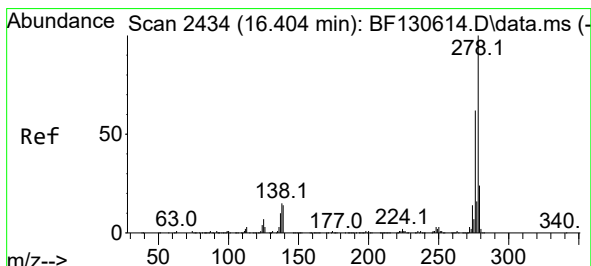
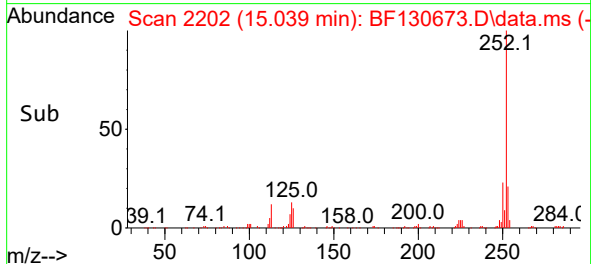
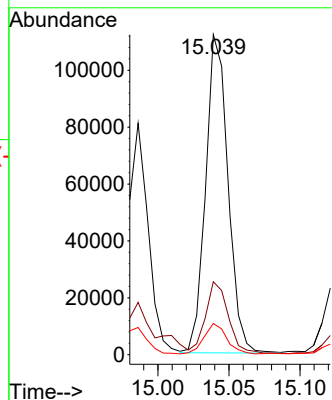
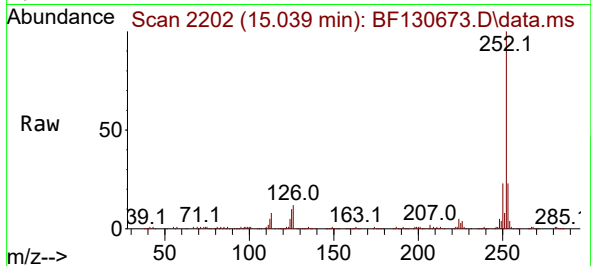




#90
Benzo(a)pyrene
Concen: 16.160 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

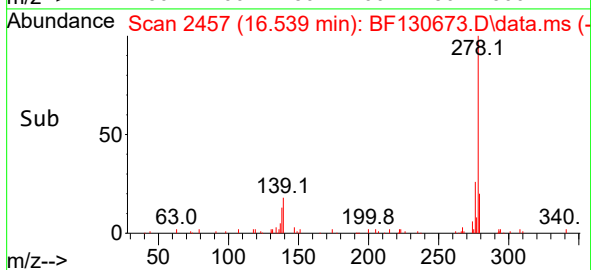
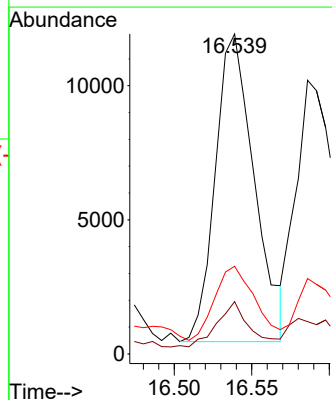
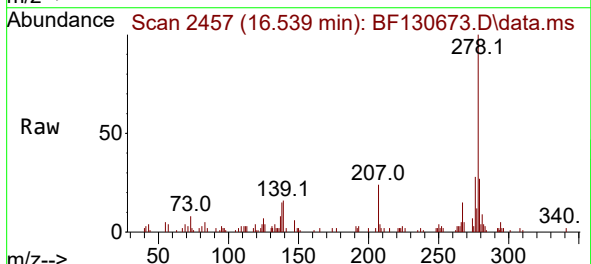
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

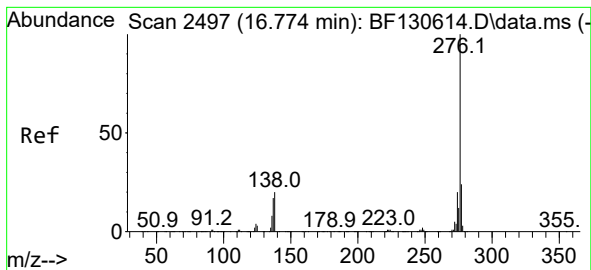
Tgt Ion:252 Resp: 122697
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.8 8.4 12.6



#91
Dibenzo(a,h)anthracene
Concen: 2.269 ng
RT: 16.539 min Scan# 2457
Delta R.T. 0.135 min
Lab File: BF130673.D
Acq: 14 Oct 2022 19:16

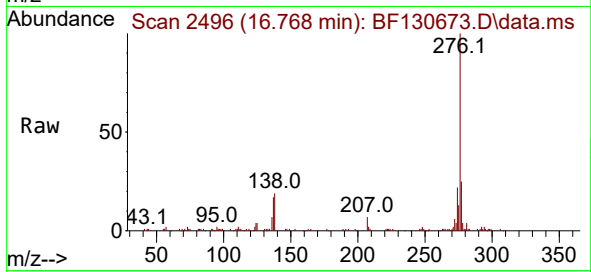
Tgt Ion:278 Resp: 20057
Ion Ratio Lower Upper
278 100
139 16.3 11.1 16.7
279 27.4 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.606 ng
 RT: 16.768 min Scan# 2496
 Delta R.T. -0.006 min
 Lab File: BF130673.D
 Acq: 14 Oct 2022 19:16

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2



Tgt Ion:	276	Resp:	70847
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	18.7	15.9	23.9

