

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/20/2022
 Supervised By : mohammad ahmed 10/20/2022

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						Qvalue
52) Acenaphthene	9.628	154	29623	3.504	ng	98
58) Fluorene	10.145	166	32753	3.094	ng	99
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	258472m	24.595	ng	
89) Benzo(k)fluoranthene	14.733	252	80878m	7.558	ng	
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

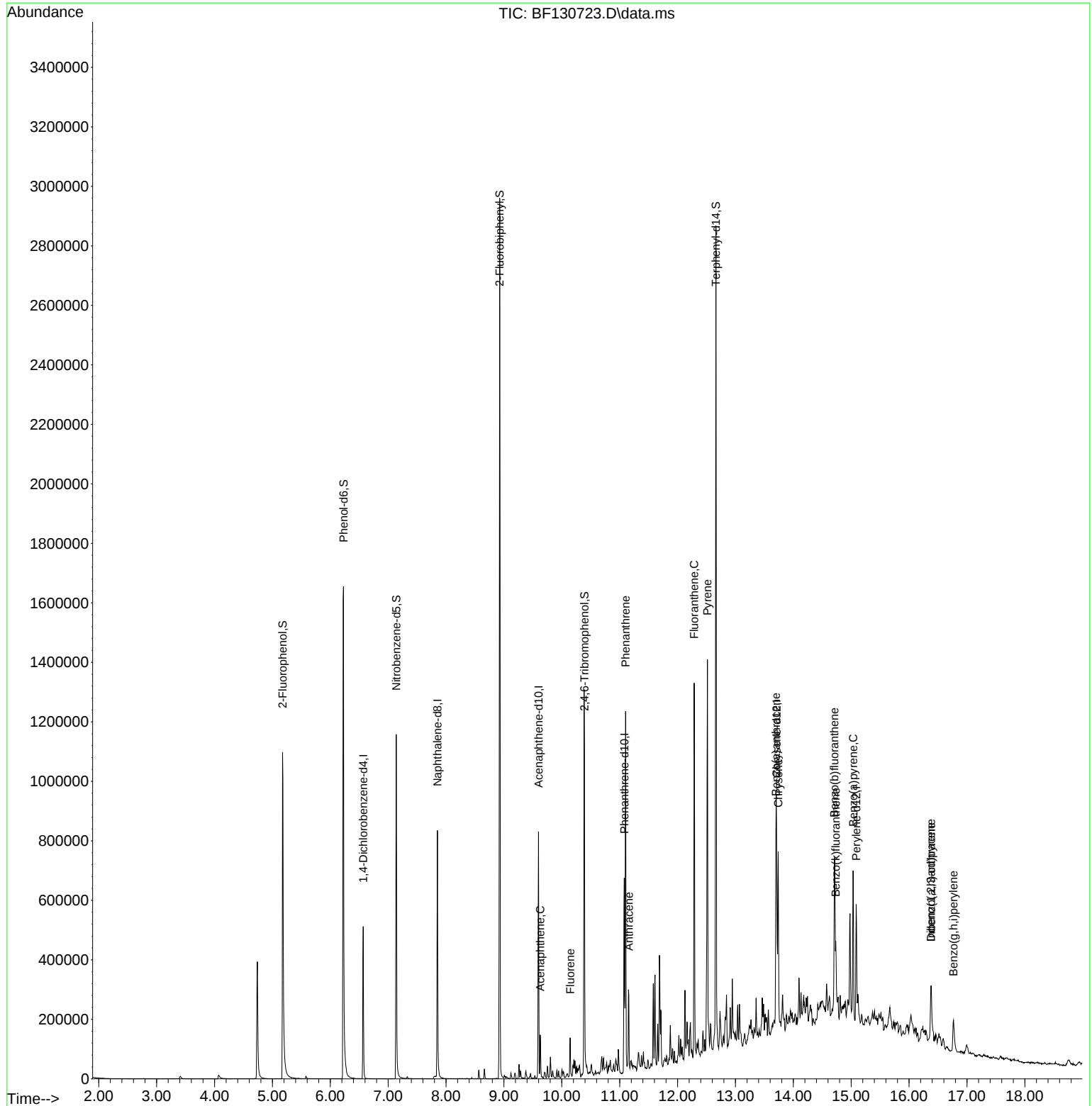
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
Data File : BF130723.D
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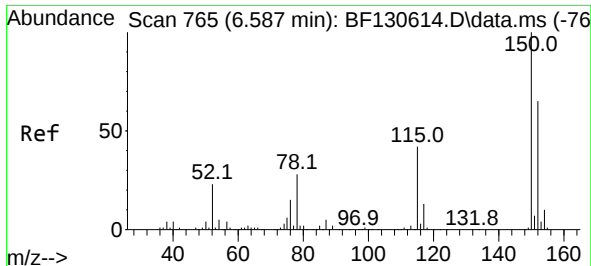
Instrument :
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Quant Time: Oct 20 02:47:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
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Manual Integrations
APPROVED

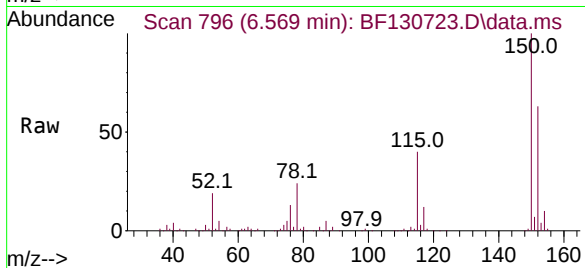
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.569 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

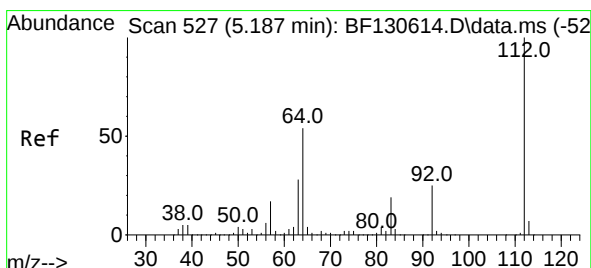
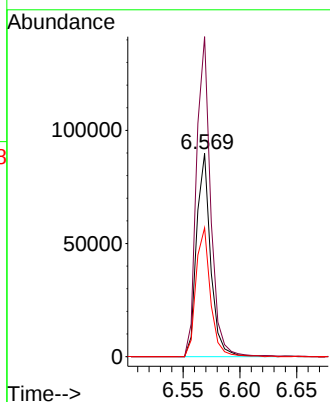
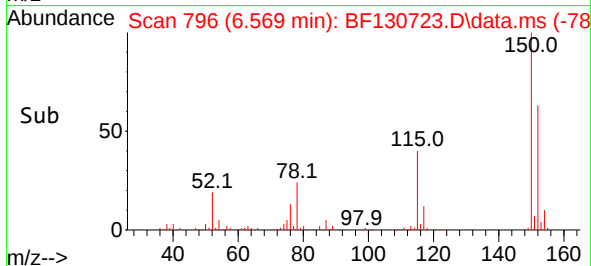
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1



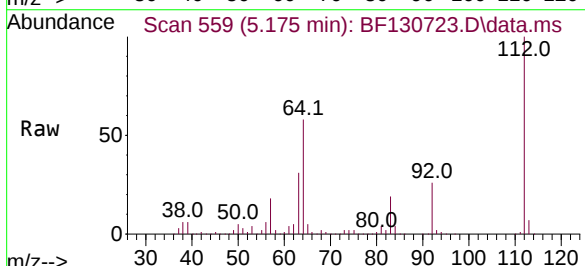
Tgt Ion:152 Resp: 76990
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.6
115 63.3 52.2 78.4

Manual Integrations
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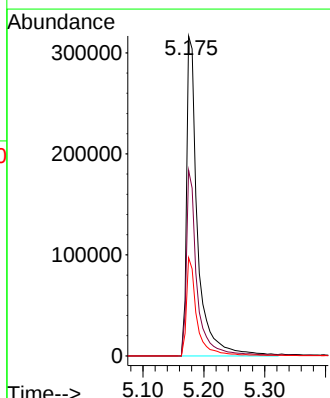
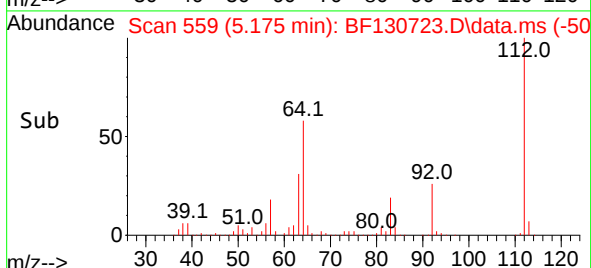
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

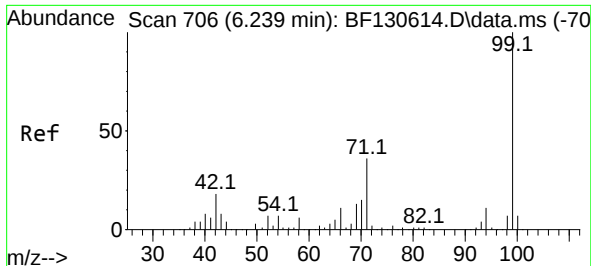


#5
2-Fluorophenol
Concen: 93.496 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31



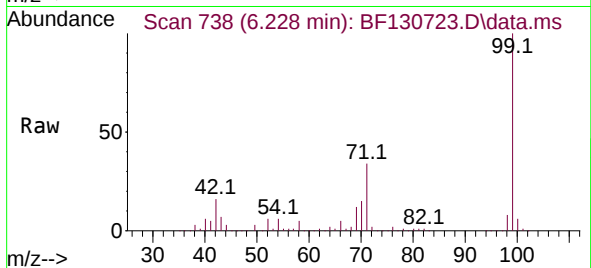
Tgt Ion:112 Resp: 399339
Ion Ratio Lower Upper
112 100
64 58.0 43.5 65.3
63 30.7 22.6 34.0





#7
Phenol-d6
Concen: 125.042 ng
RT: 6.228 min Scan# 738
Delta R.T. -0.000 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

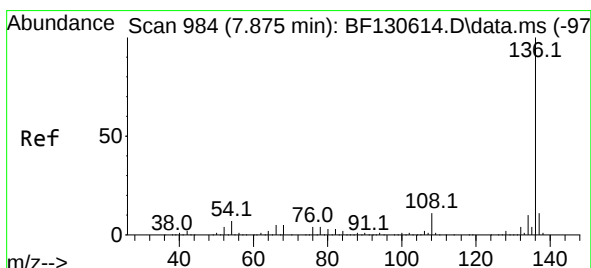
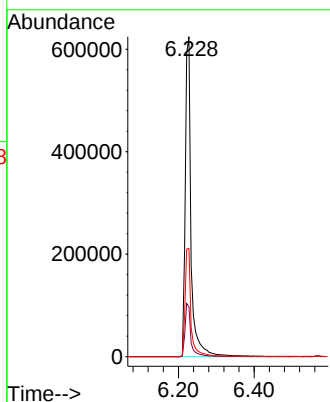
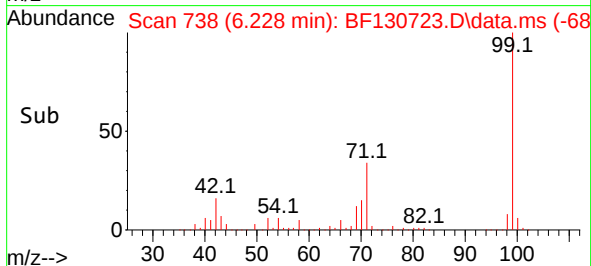
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1



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

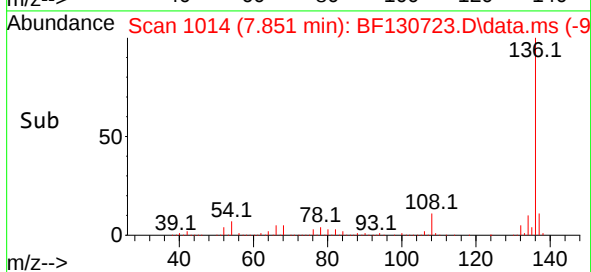
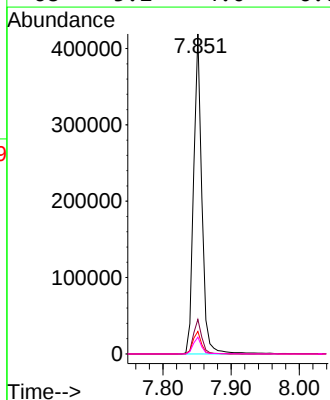
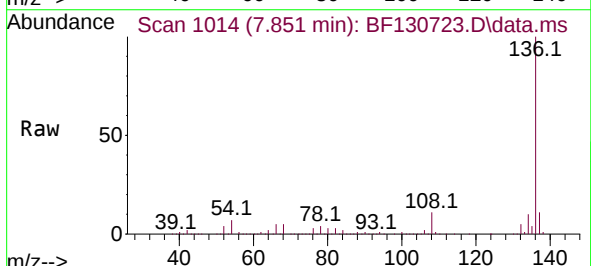
Manual Integrations
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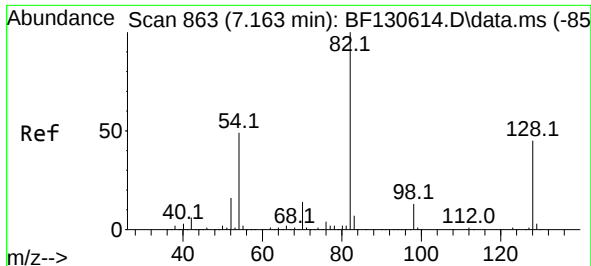
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#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

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





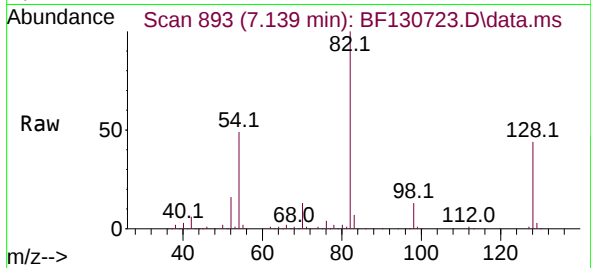
#23
Nitrobenzene-d5
Concen: 58.446 ng
RT: 7.139 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

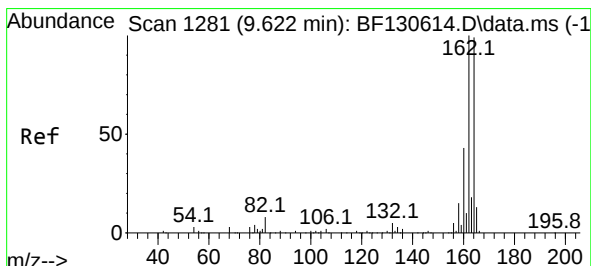
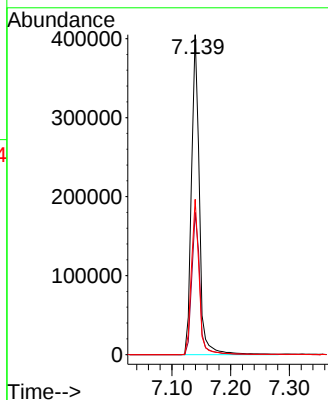
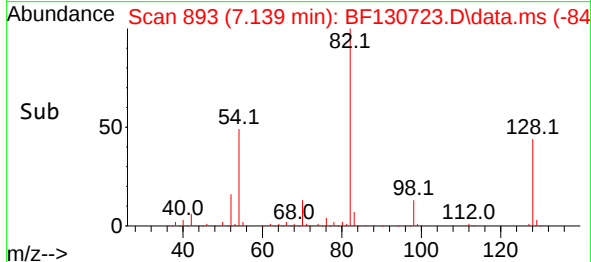


Tgt Ion: 82 Resp: 378000
Ion Ratio Lower Upper
82 100
128 44.4 35.8 53.6
54 48.5 39.3 58.9

Manual Integrations

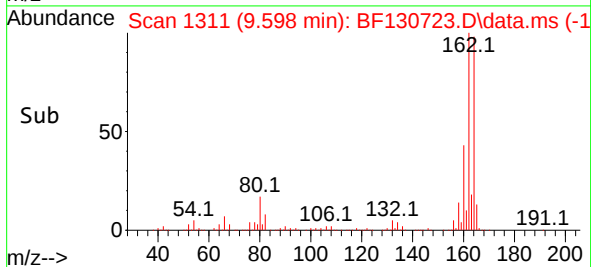
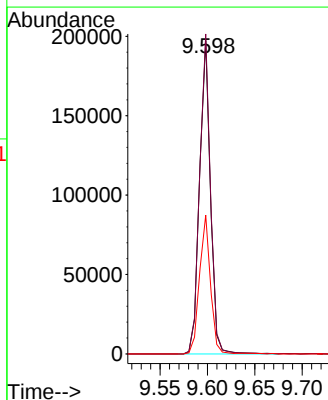
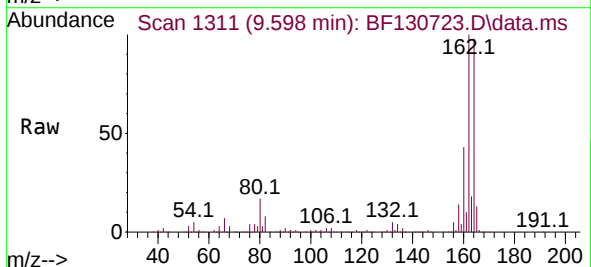
APPROVED

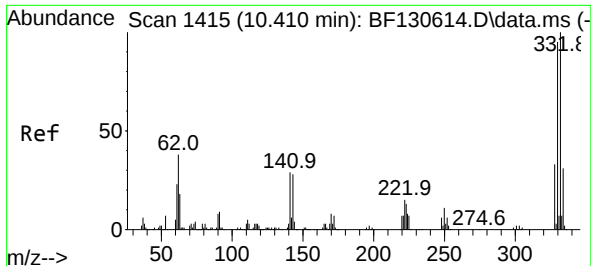
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#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 :

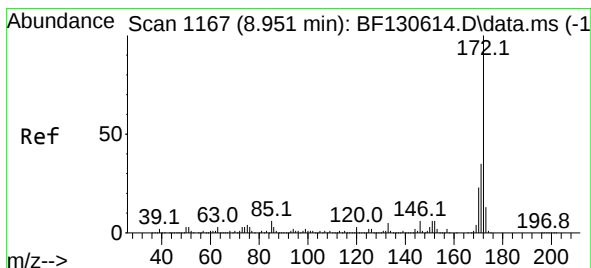
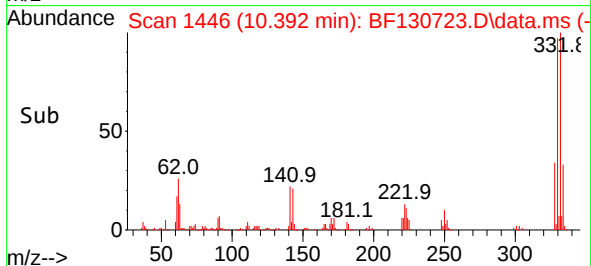
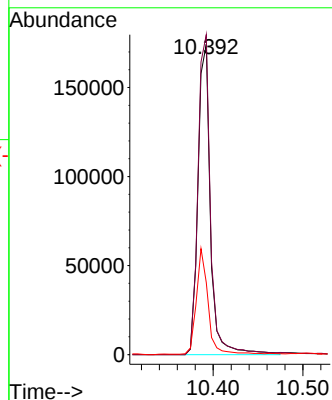
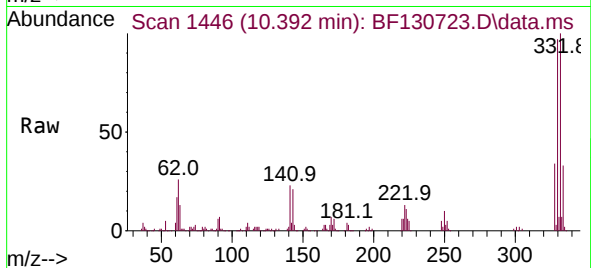
CONCRETE-1

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

Manual Integrations

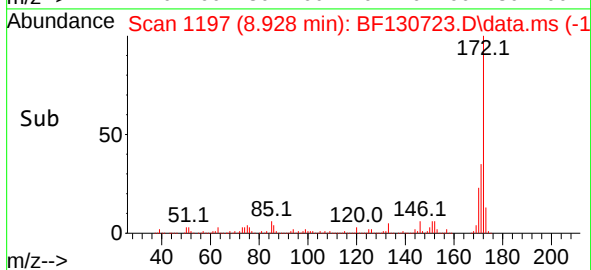
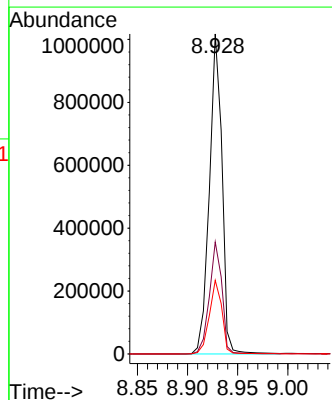
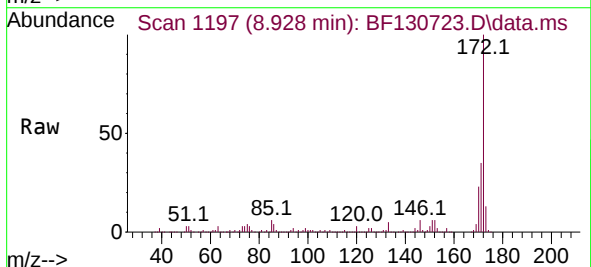
APPROVED

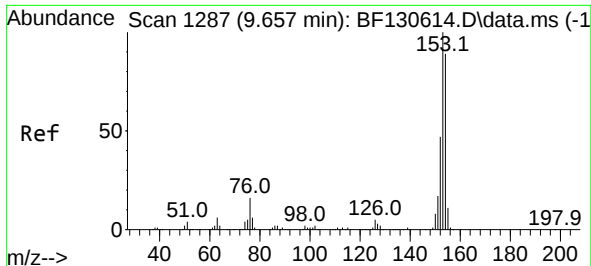
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#45
2-Fluorobiphenyl
Concen: 85.427 ng
RT: 8.928 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

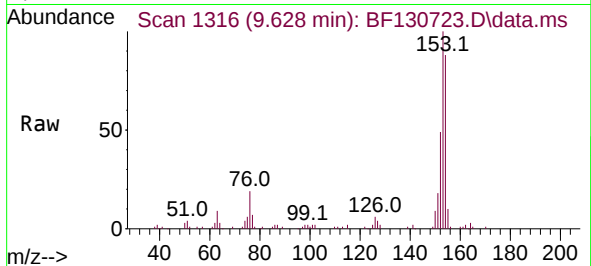
Tgt Ion:172 Resp: 886616
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.0 18.6 27.8





#52
Acenaphthene
Concen: 3.504 ng
RT: 9.628 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

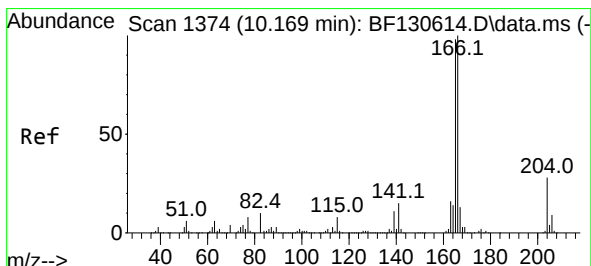
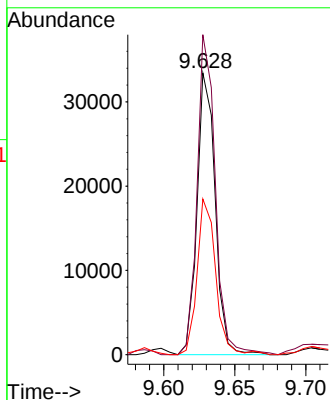
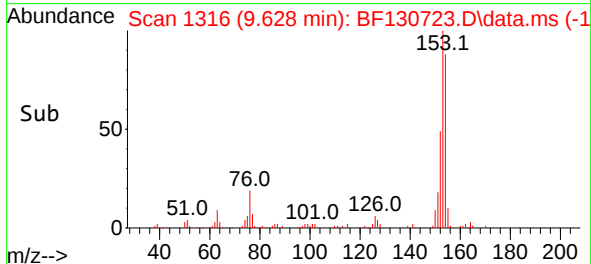
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1



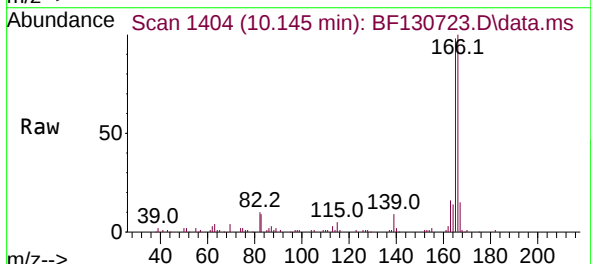
Tgt Ion:154 Resp: 29623
Ion Ratio Lower Upper
154 100
153 113.6 89.6 134.4
152 55.2 42.4 63.6

Manual Integrations
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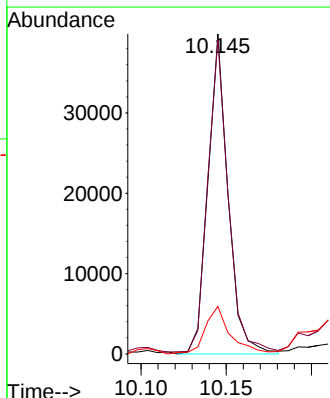
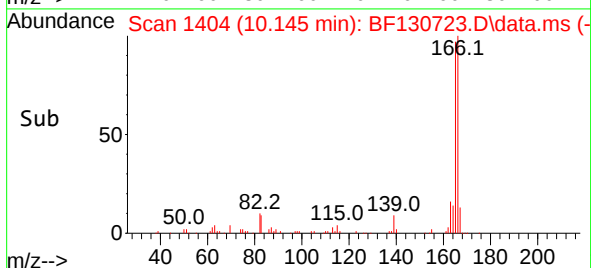
Reviewed By :Christian Giraldo 10/20/2022
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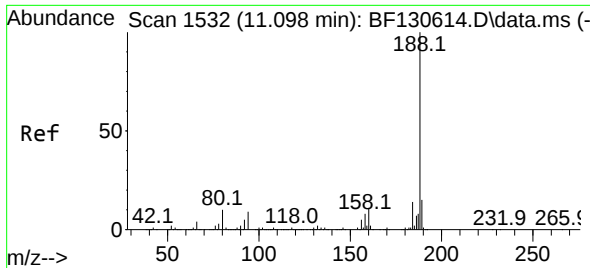


#58
Fluorene
Concen: 3.094 ng
RT: 10.145 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31



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# 11
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

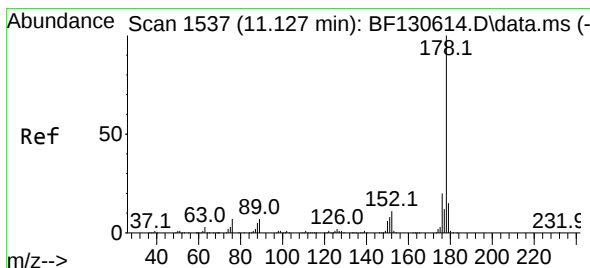
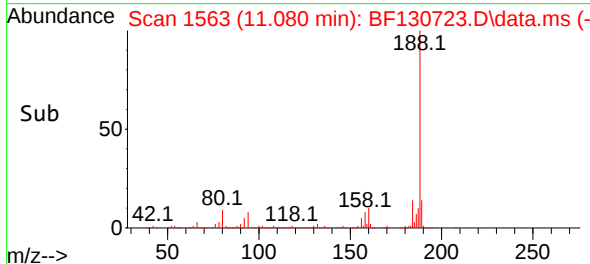
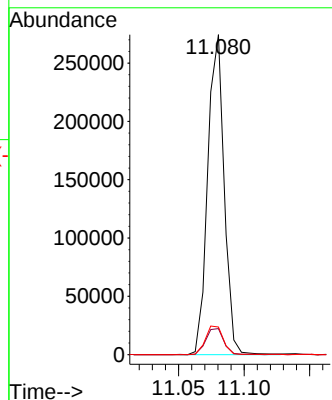
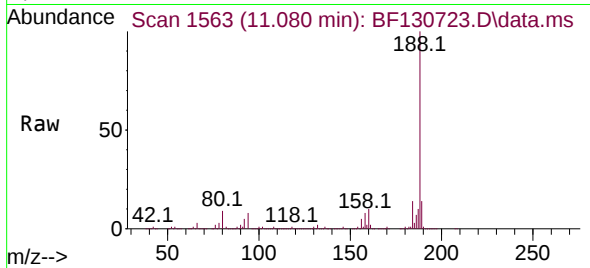
ClientSampleId :

CONCRETE-1

Tgt Ion:188 Resp: 238872
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.6 8.0 12.0

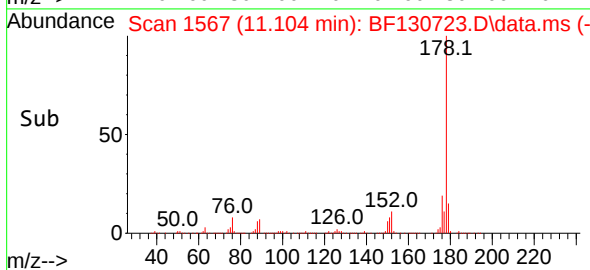
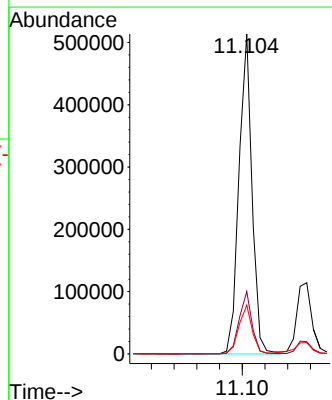
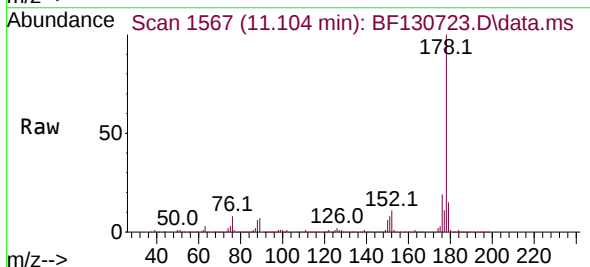
Manual Integrations
APPROVED

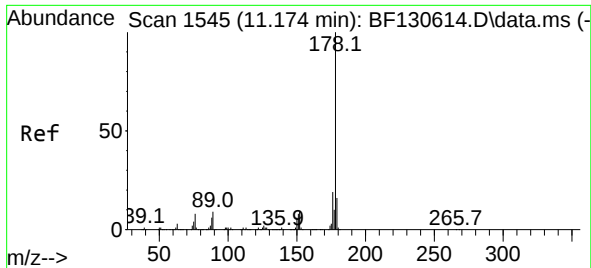
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#71
Phenanthrene
Concen: 31.010 ng
RT: 11.104 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

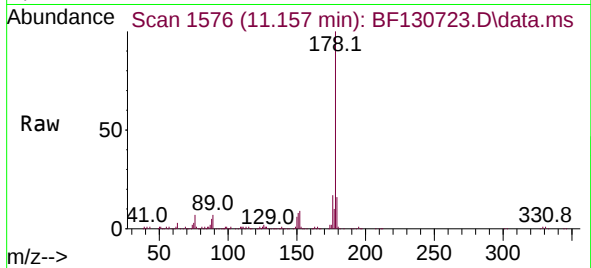
Tgt Ion:178 Resp: 410392
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 7.876 ng
 RT: 11.157 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130723.D
 Acq: 19 Oct 2022 21:31

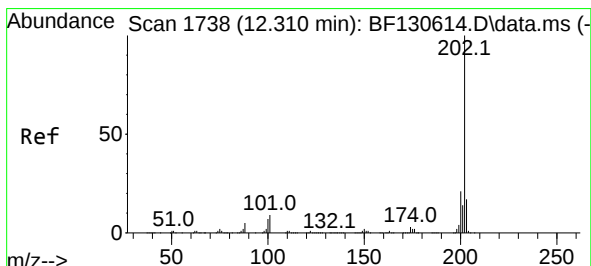
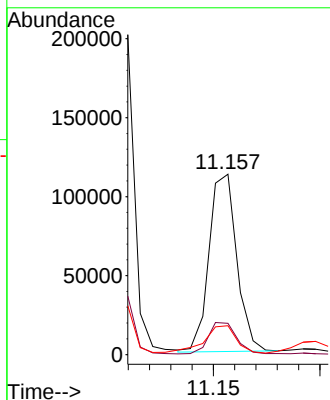
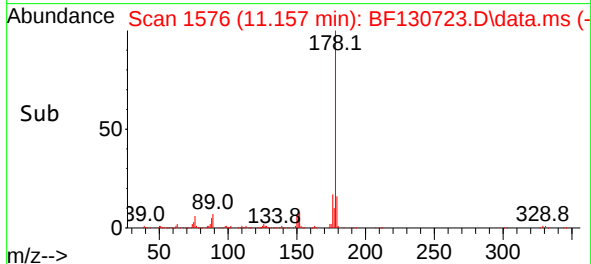
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1



Tgt Ion:178 Resp: 101794
 Ion Ratio Lower Upper
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 179 16.0 12.5 18.7

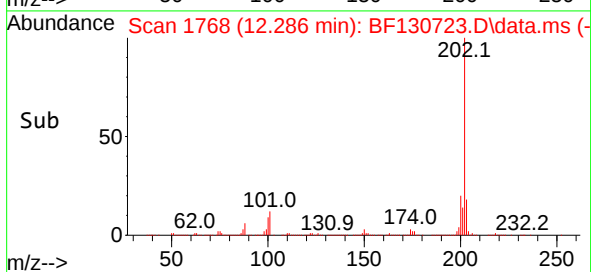
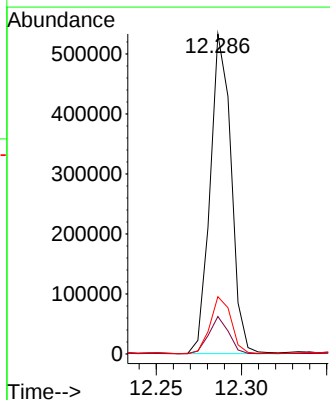
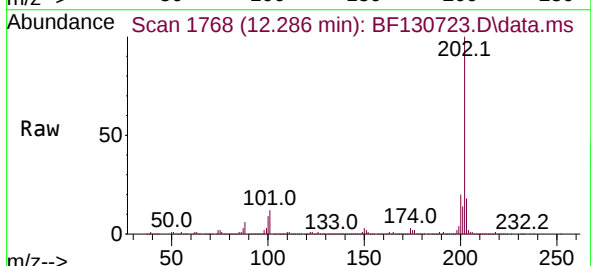
Manual Integrations
 APPROVED

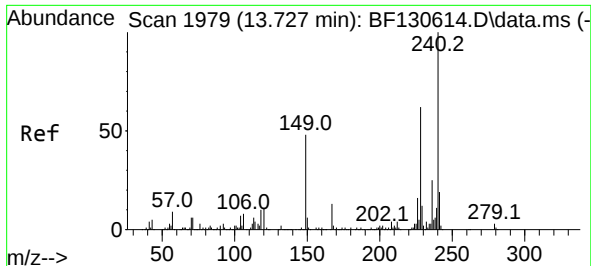
Reviewed By :Christian Giraldo 10/20/2022
 Supervised By :mohammad ahmed 10/20/2022



#75
 Fluoranthene
 Concen: 35.943 ng
 RT: 12.286 min Scan# 1768
 Delta R.T. -0.012 min
 Lab File: BF130723.D
 Acq: 19 Oct 2022 21:31

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





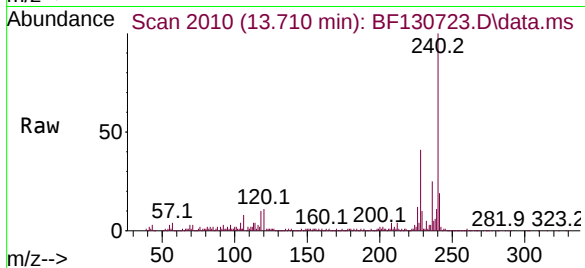
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

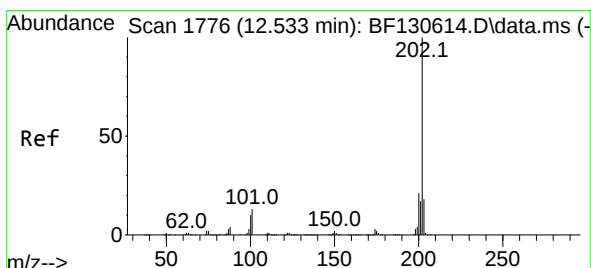
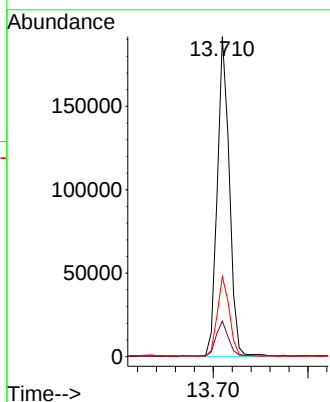
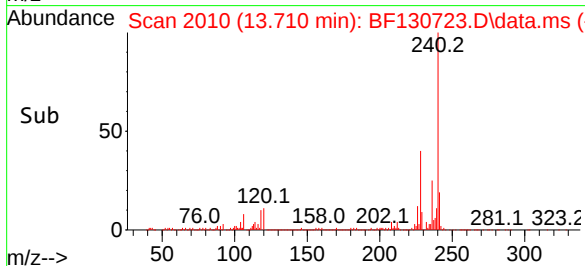


Tgt Ion:240 Resp: 17045
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.0 20.2 30.4

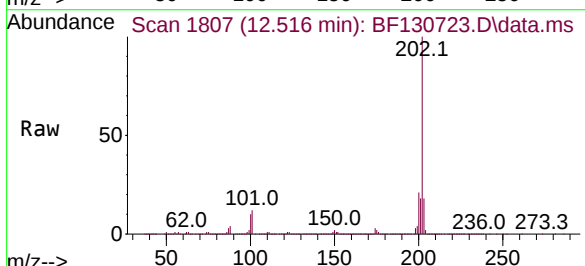
Manual Integrations

APPROVED

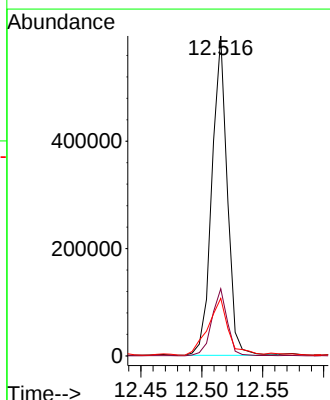
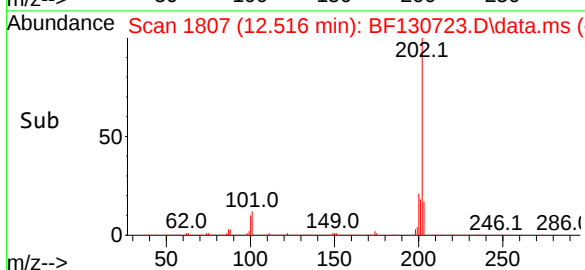
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

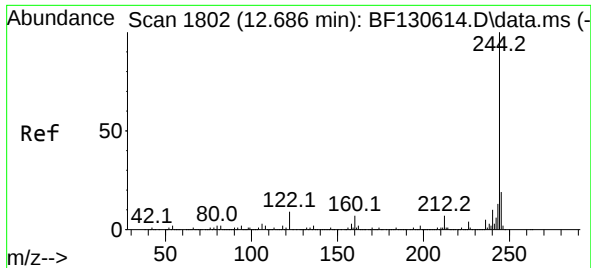


#78
Pyrene
Concen: 35.488 ng
RT: 12.516 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31



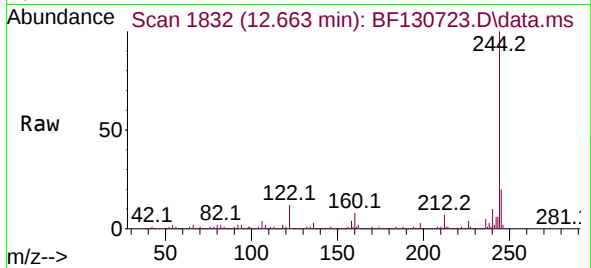
Tgt Ion:202 Resp: 521849
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.0 14.0 21.0





#79
Terphenyl-d14
Concen: 87.996 ng
RT: 12.663 min Scan# 1802
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

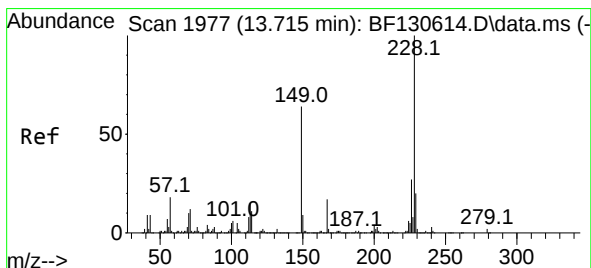
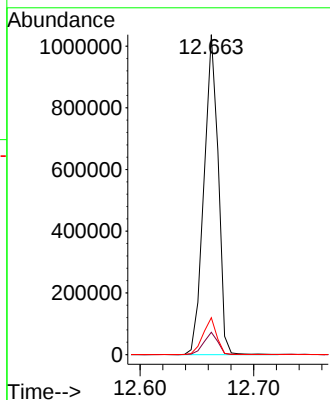
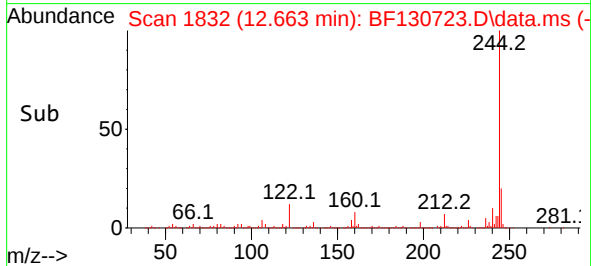
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1



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

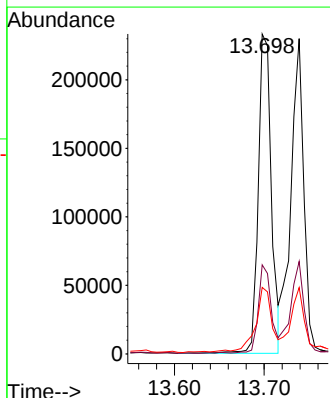
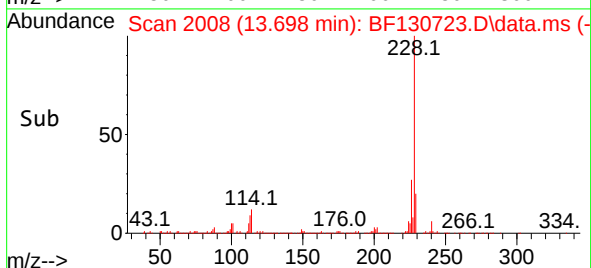
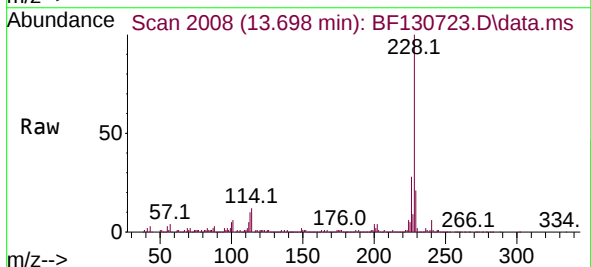
Manual Integrations
APPROVED

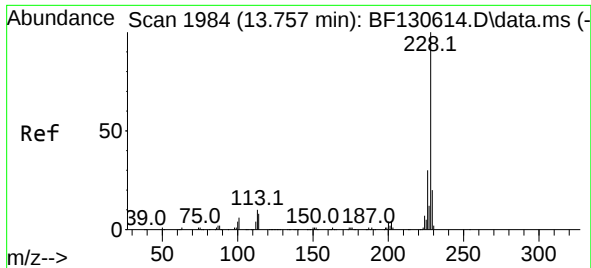
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#81
Benzo(a)anthracene
Concen: 20.580 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

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





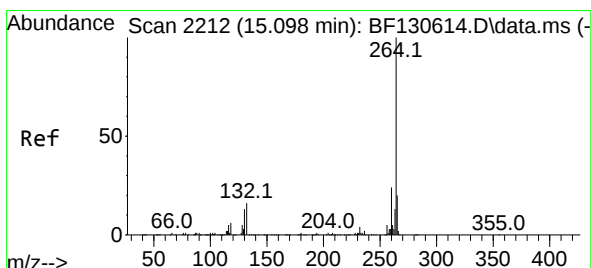
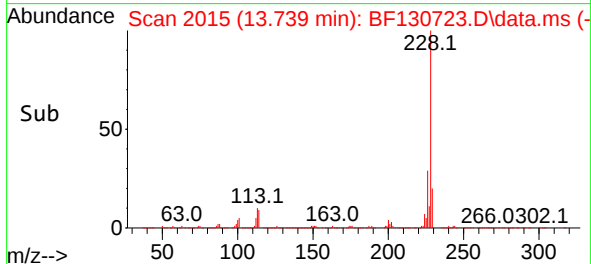
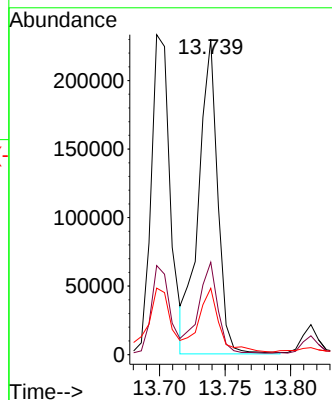
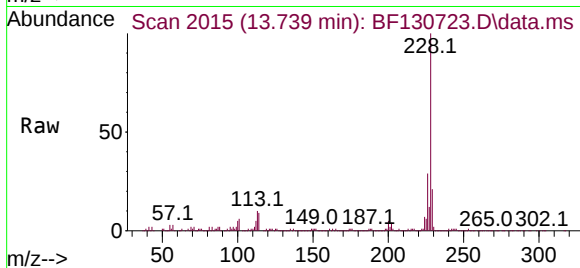
#83
Chrysene
Concen: 21.416 ng
RT: 13.739 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

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

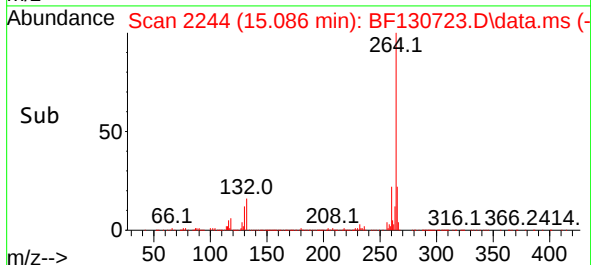
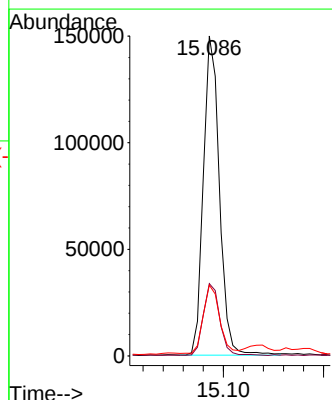
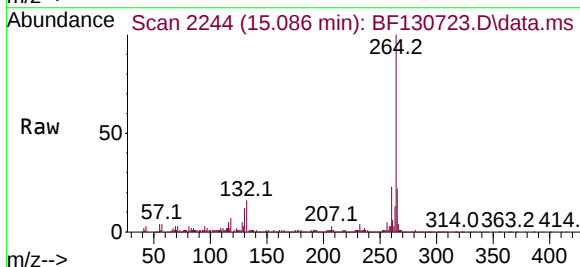
Manual Integrations
APPROVED

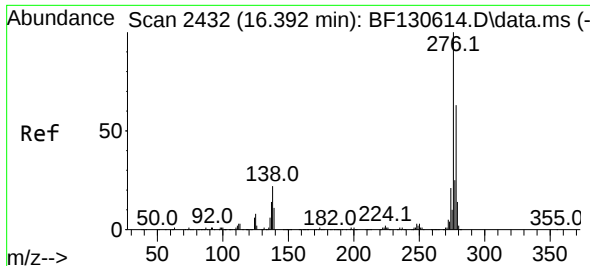
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2244
Delta R.T. -0.000 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

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





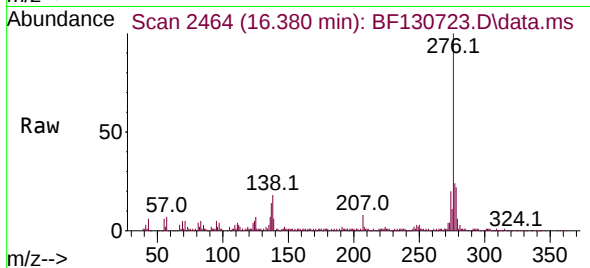
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.313 ng
RT: 16.380 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

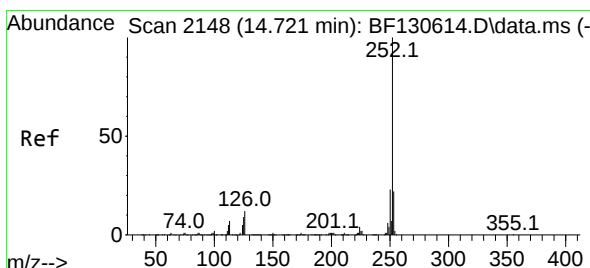
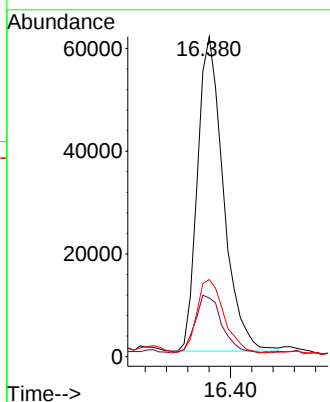
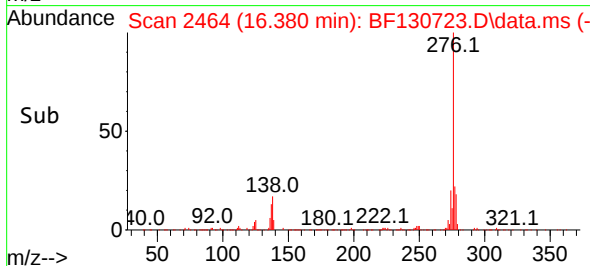
CONCRETE-1



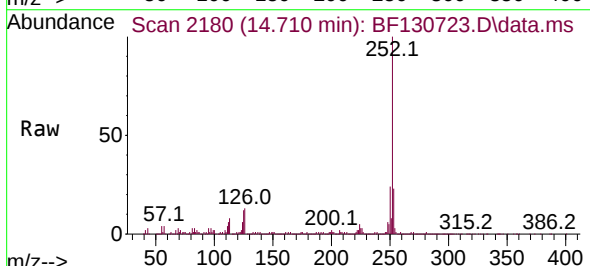
Tgt Ion: 276 Resp: 103258
Ion Ratio Lower Upper
276 100
138 20.2 18.0 27.0
277 24.3 20.0 30.0

Manual Integrations
APPROVED

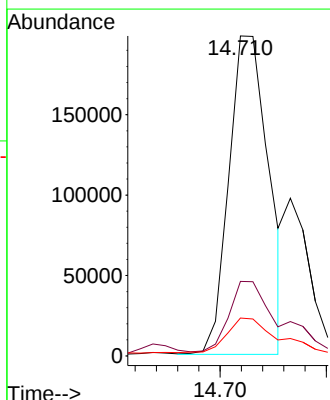
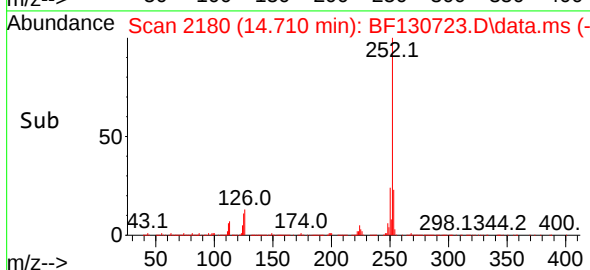
Reviewed By : Christian Giraldo 10/20/2022
Supervised By : mohammad ahmed 10/20/2022

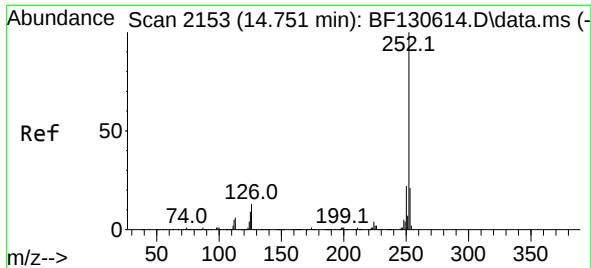


#88
Benzo(b)fluoranthene
Concen: 24.595 ng m
RT: 14.710 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31



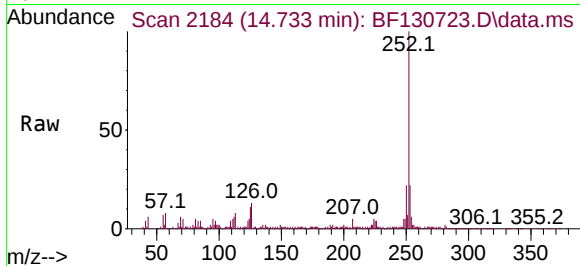
Tgt Ion: 252 Resp: 258472
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 11.8 7.4 11.0#





#89
Benzo(k)fluoranthene
Concen: 7.558 ng m
RT: 14.733 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

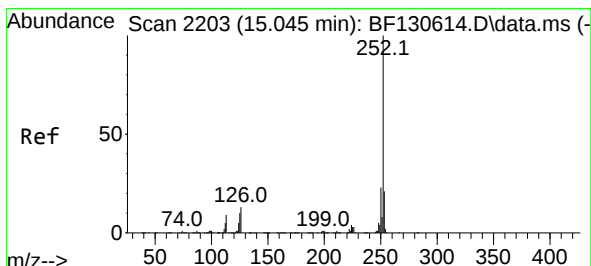
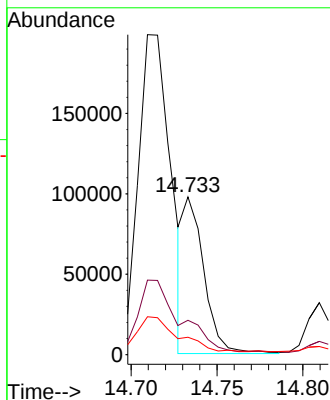
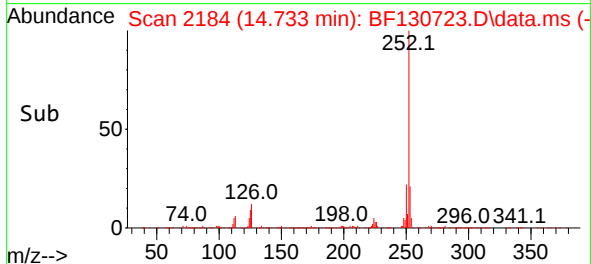
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1



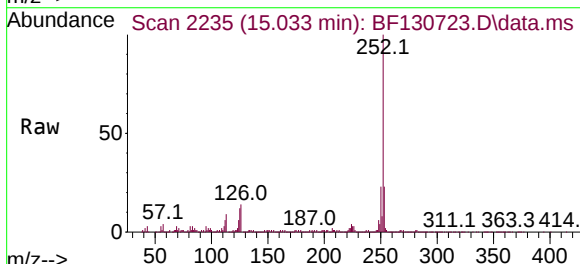
Tgt Ion:252 Resp: 80878
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 11.0 7.2 10.8

Manual Integrations
APPROVED

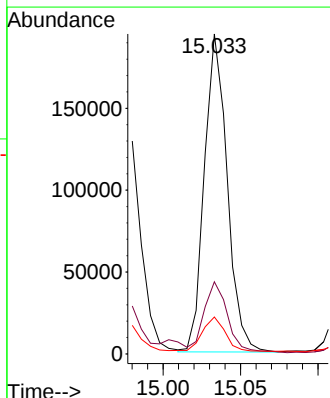
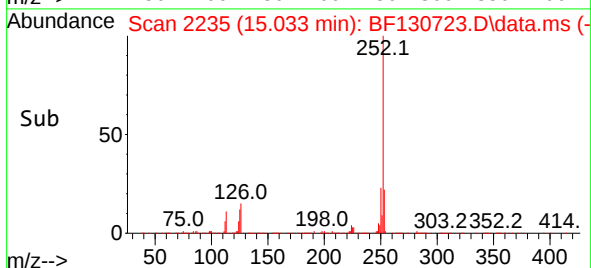
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

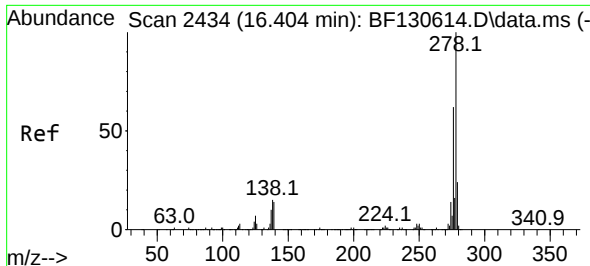


#90
Benzo(a)pyrene
Concen: 22.768 ng
RT: 15.033 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31



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





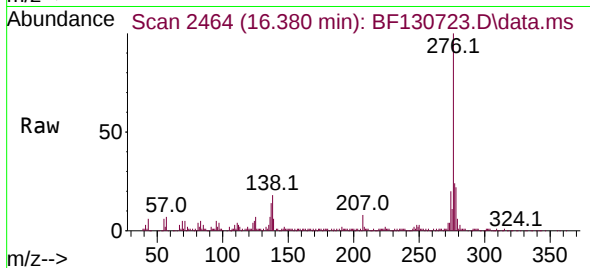
#91
Dibenzo(a,h)anthracene
Concen: 2.857 ng
RT: 16.380 min Scan# 2434
Delta R.T. -0.012 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

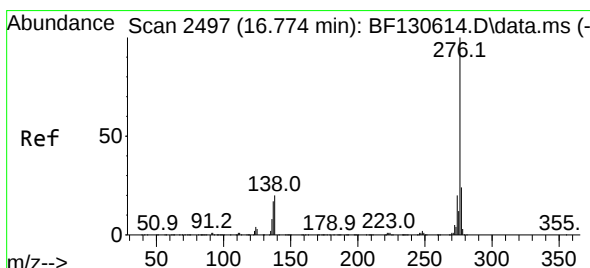
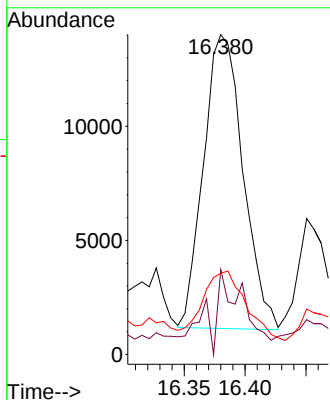
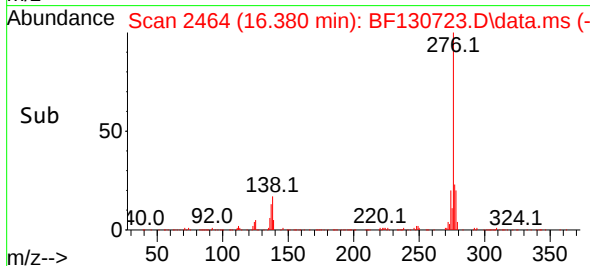


Tgt Ion:278 Resp: 29092
Ion Ratio Lower Upper
278 100
139 26.5 11.1 16.7
279 25.4 19.0 28.4

Manual Integrations

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Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#92
Benzo(g,h,i)perylene
Concen: 8.478 ng
RT: 16.768 min Scan# 2530
Delta R.T. -0.000 min
Lab File: BF130723.D
Acq: 19 Oct 2022 21:31

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

