

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
 Data File : BF130703.D
 Acq On : 18 Oct 2022 17:48
 Operator : CG\JU
 Sample : N5171-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/19/2022
 Supervised By : Jagrut Upadhyay 10/19/2022

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	63854	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	213373	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	89482	20.000	ng	0.00
64) Phenanthrene-d10	11.080	188	138742	20.000	ng	0.00
76) Chrysene-d12	13.721	240	163796	20.000	ng	0.00
86) Perylene-d12	15.098	264	144847	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	367641	103.782	ng	0.01
7) Phenol-d6	6.228	99	417454	93.729	ng	0.00
23) Nitrobenzene-d5	7.145	82	259810	66.471	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	87743	100.212	ng	0.00
45) 2-Fluorobiphenyl	8.933	172	432073	73.141	ng	0.00
79) Terphenyl-d14	12.668	244	461461	46.759	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.633	154	9710	2.018	ng	97
58) Fluorene	10.151	166	12227	2.029	ng	98
71) Phenanthrene	11.110	178	166622	21.676	ng	97
72) Anthracene	11.157	178	42852	5.708	ng	97
73) Carbazole	11.327	167	30390	4.537	ng	97
74) Di-n-butylphthalate	11.651	149	17521	2.159	ng	99
75) Fluoranthene	12.298	202	407874	55.209	ng	100
78) Pyrene	12.521	202	391115	27.678	ng	99
80) Butylbenzylphthalate	13.145	149	24750	4.555	ng	93
81) Benzo(a)anthracene	13.710	228	293827	26.623	ng	99
83) Chrysene	13.745	228	261182	24.959	ng	99
84) Bis(2-ethylhexyl)phtha...	13.710	149	35490	5.388	ng	99
85) Di-n-octyl phthalate	14.315	149	56563	5.607	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.392	276	86818	8.008	ng	96
88) Benzo(b)fluoranthene	14.721	252	309838m	33.781	ng	
89) Benzo(k)fluoranthene	14.745	252	129720m	13.890	ng	
90) Benzo(a)pyrene	15.045	252	206823	27.093	ng	97
91) Dibenzo(a,h)anthracene	16.392	278	24510m	2.758	ng	
92) Benzo(g,h,i)perylene	16.780	276	83008	10.029	ng	96

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

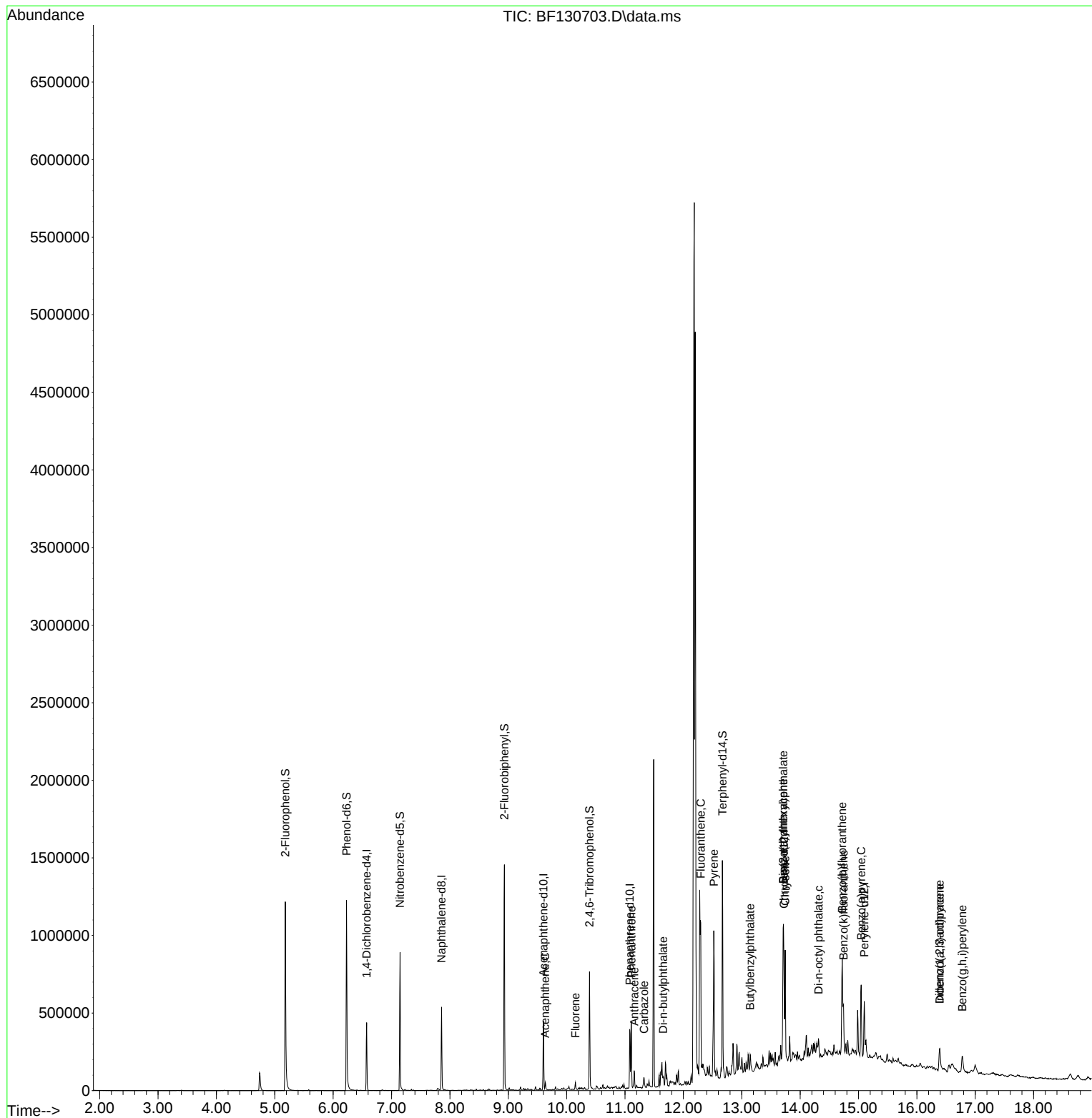
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130703.D
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ALS Vial : 11 Sample Multiplier: 1

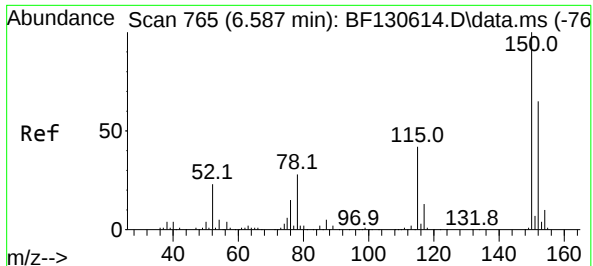
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

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

Manual Integrations
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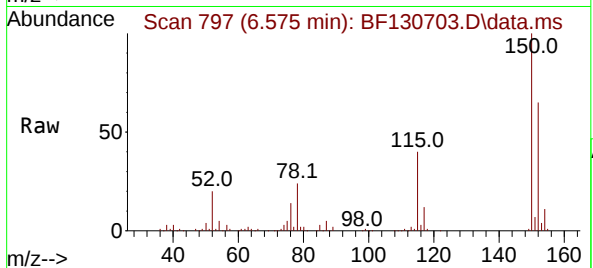
Reviewed By : Christian Giraldo 10/19/2022
Supervised By : Jagrut Upadhyay 10/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

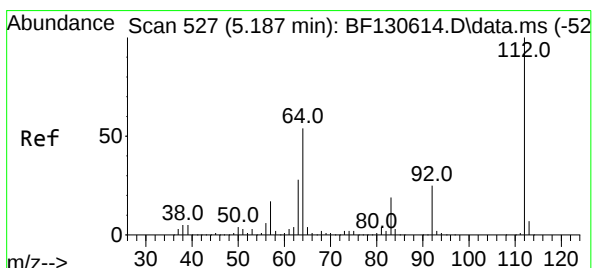
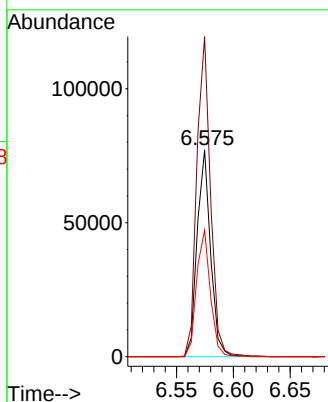
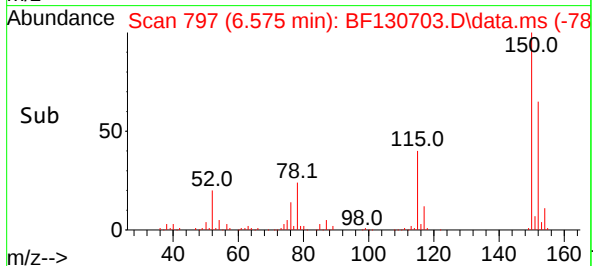
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



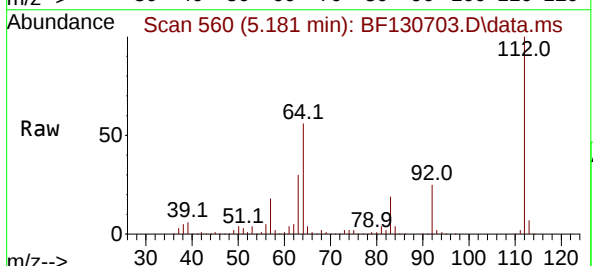
Tgt Ion:152 Resp: 63854
Ion Ratio Lower Upper
152 100
150 154.7 123.8 185.6
115 61.2 52.2 78.4

Manual Integrations
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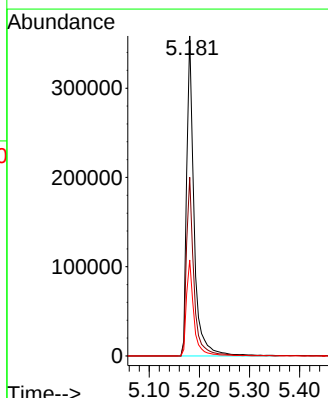
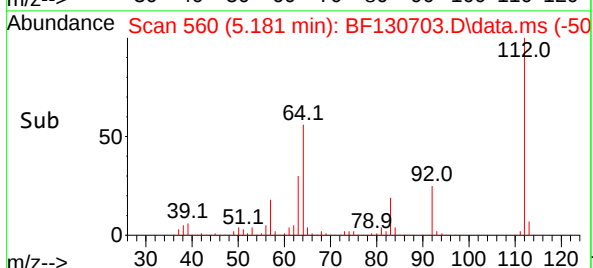
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022

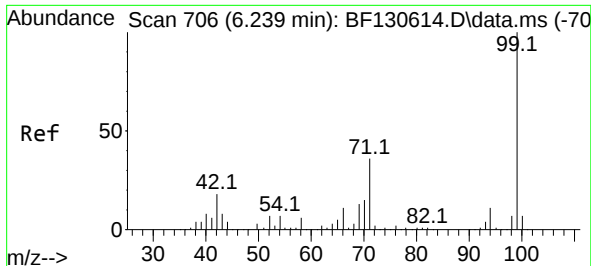


#5
2-Fluorophenol
Concen: 103.782 ng
RT: 5.181 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48



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





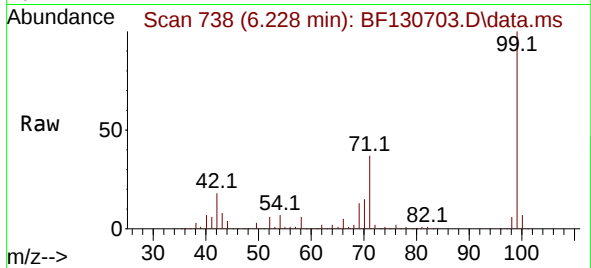
#7
Phenol-d6
Concen: 93.729 ng
RT: 6.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

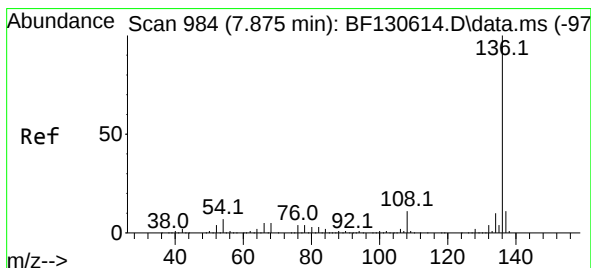
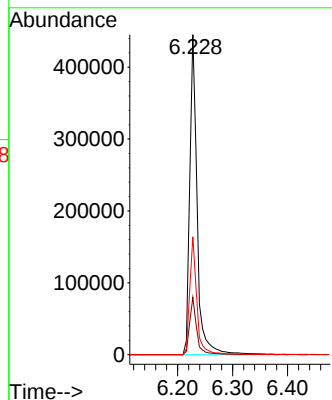
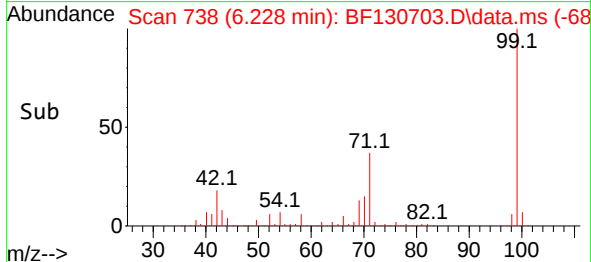


Tgt Ion: 99 Resp: 417454
Ion Ratio Lower Upper
99 100
42 17.9 14.0 21.0
71 36.9 28.8 43.2

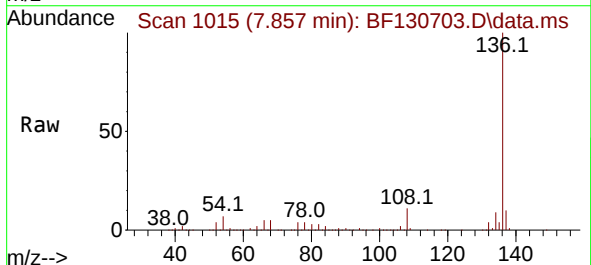
Manual Integrations

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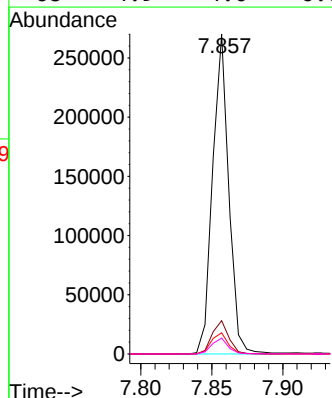
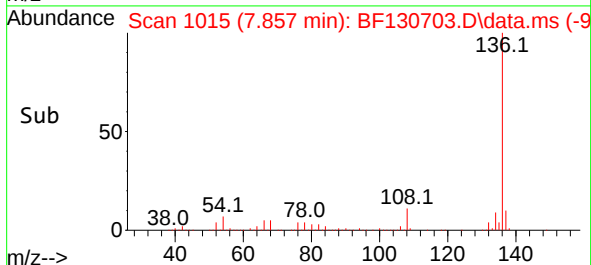
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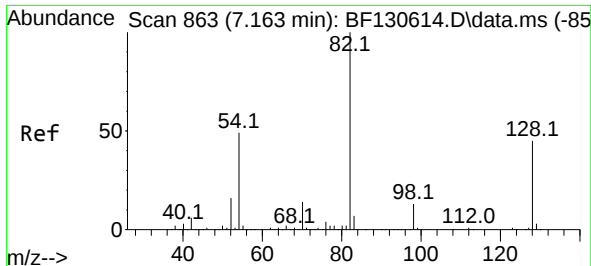


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48



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





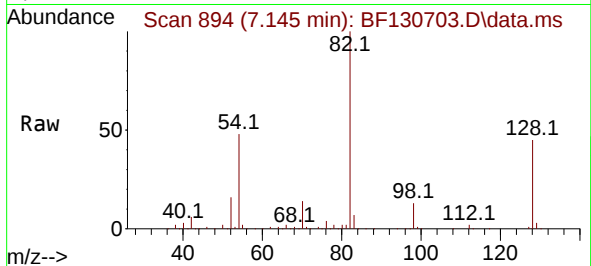
#23
Nitrobenzene-d5
Concen: 66.471 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

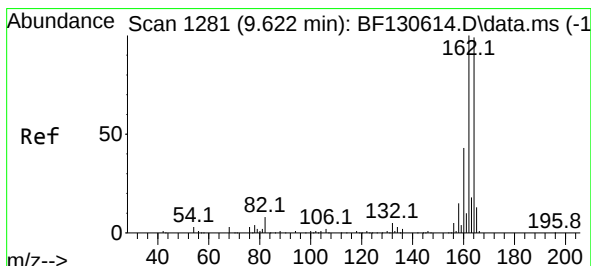
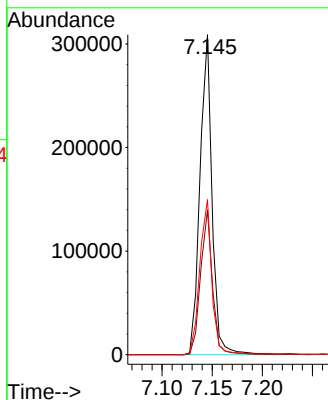
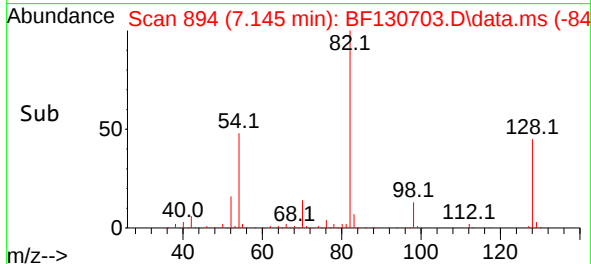


Tgt Ion: 82 Resp: 259810
Ion Ratio Lower Upper
82 100
128 45.2 35.8 53.6
54 48.5 39.3 58.9

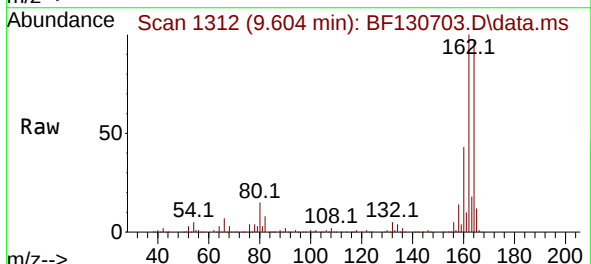
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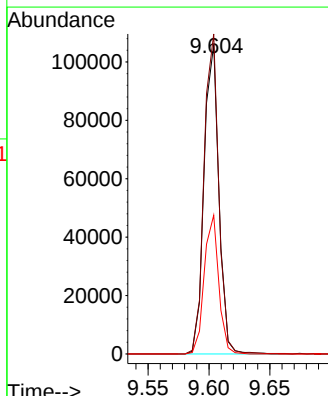
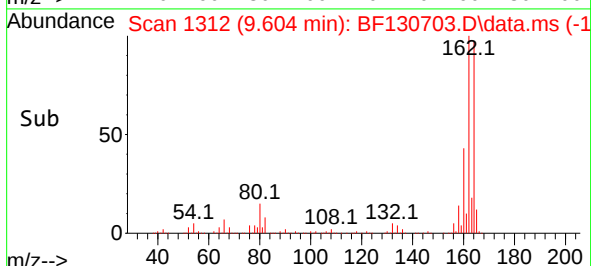
Reviewed By :Christian Giraldo 10/19/2022
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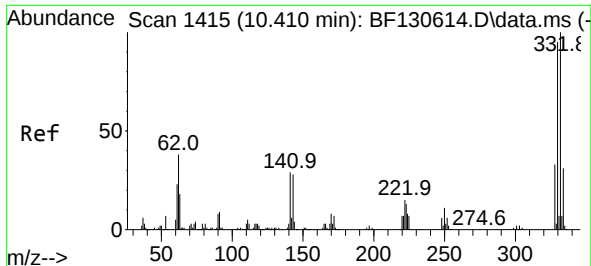


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48



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





#42
2,4,6-Tribromophenol
Concen: 100.212 ng
RT: 10.392 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

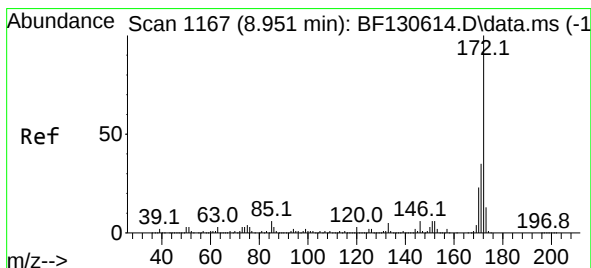
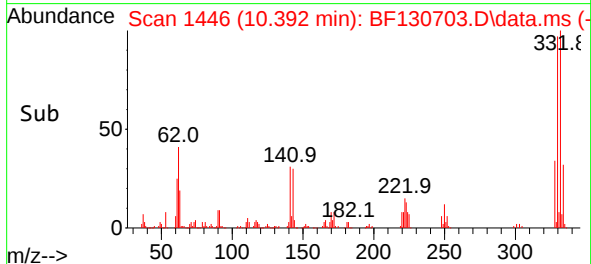
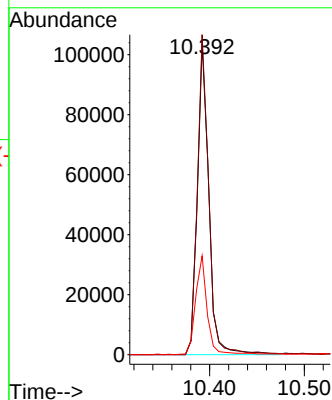
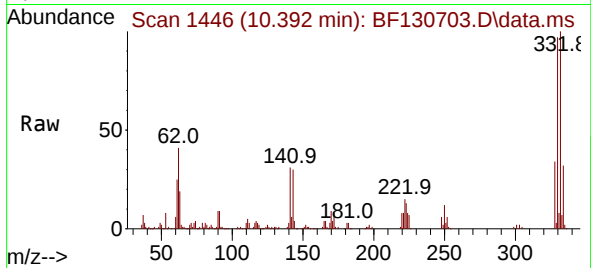
ClientSampleId :

NB-08-101722

Tgt Ion: 330 Resp: 8774
Ion Ratio Lower Upper
330 100
332 102.1 84.2 126.4
141 32.7 26.8 40.2

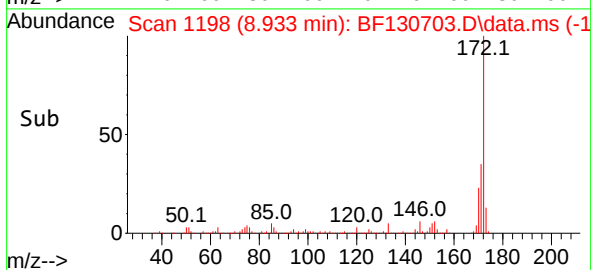
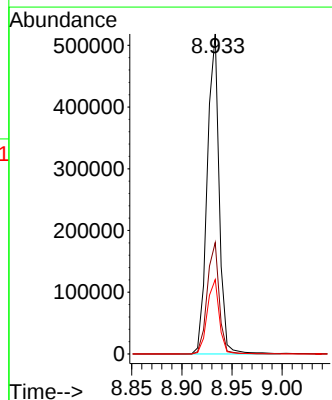
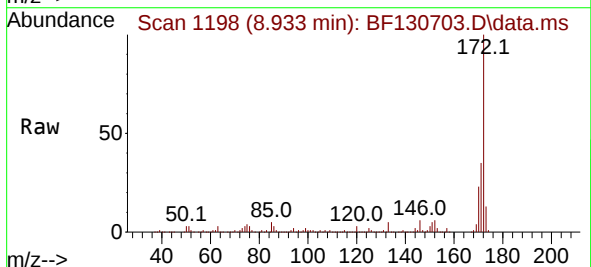
Manual Integrations
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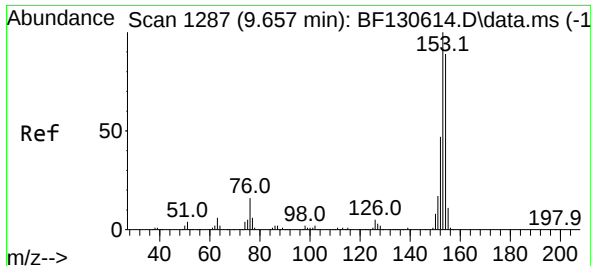
Reviewed By : Christian Giraldo 10/19/2022
Supervised By : Jagrut Upadhyay 10/19/2022



#45
2-Fluorobiphenyl
Concen: 73.141 ng
RT: 8.933 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

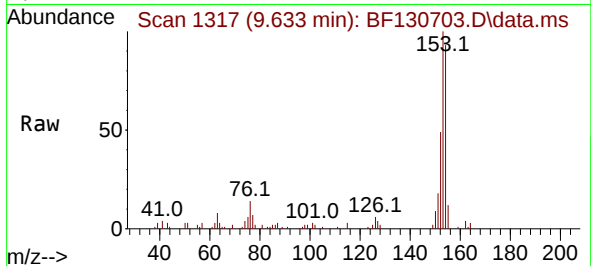
Tgt Ion: 172 Resp: 432073
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.3 18.6 27.8





#52
Acenaphthene
Concen: 2.018 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

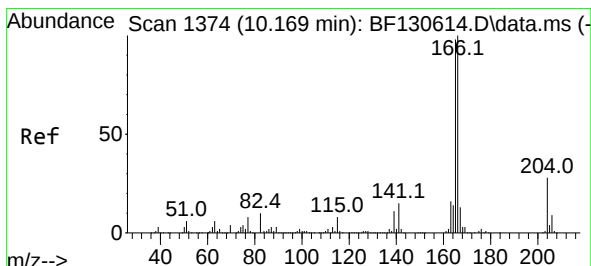
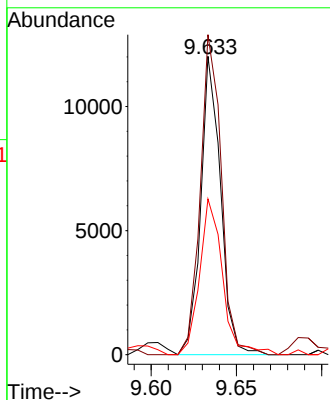
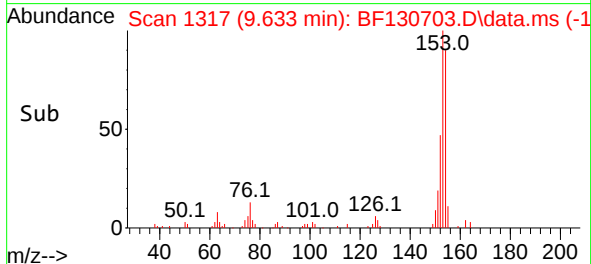
Instrument :
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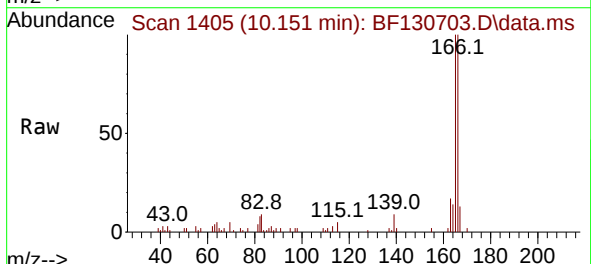
Tgt Ion:154 Resp: 9710
Ion Ratio Lower Upper
154 100
153 107.2 89.6 134.4
152 52.2 42.4 63.6

Manual Integrations
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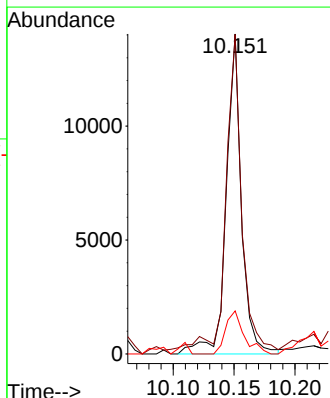
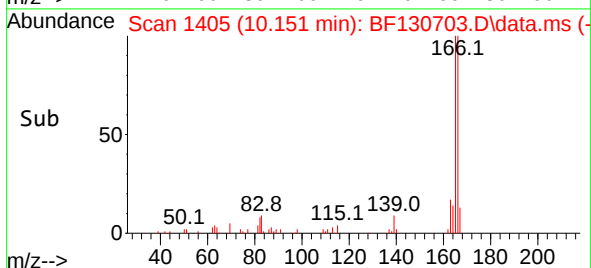
Reviewed By :Christian Giraldo 10/19/2022
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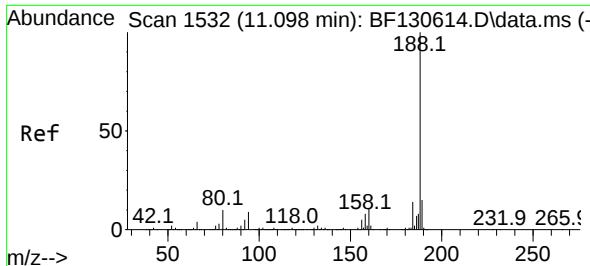


#58
Fluorene
Concen: 2.029 ng
RT: 10.151 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48



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





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.080 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

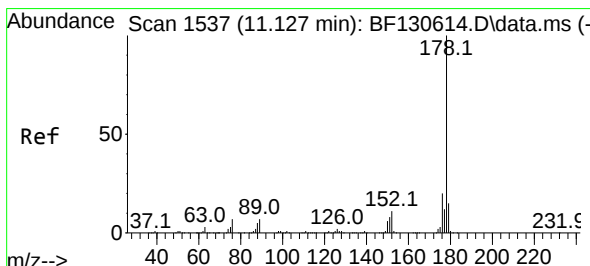
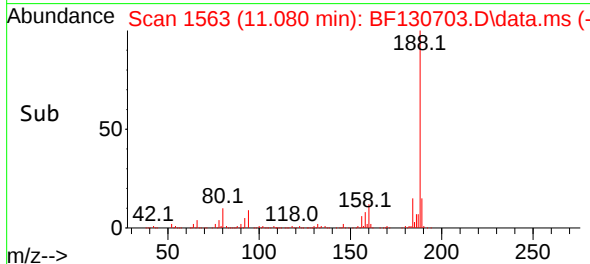
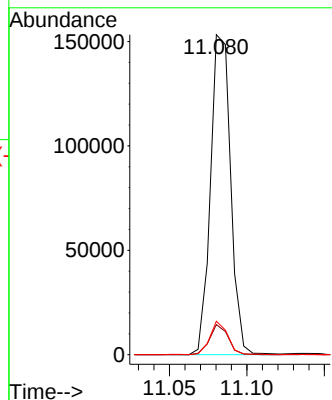
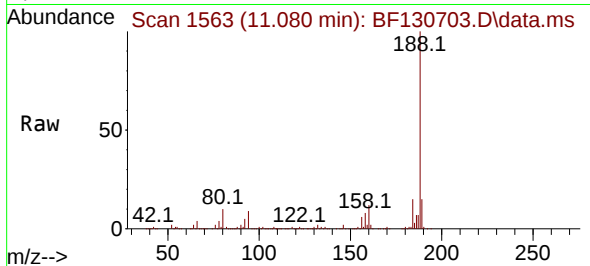
ClientSampleId :

NB-08-101722

Tgt Ion:188 Resp: 13874
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.4 8.0 12.0

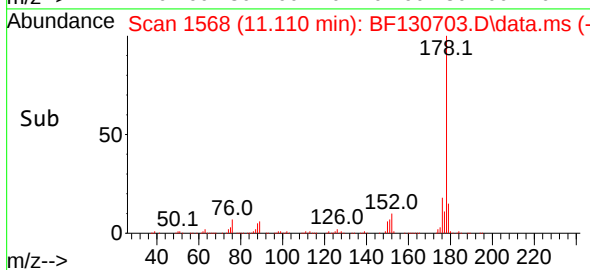
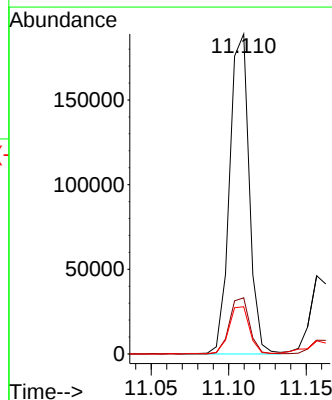
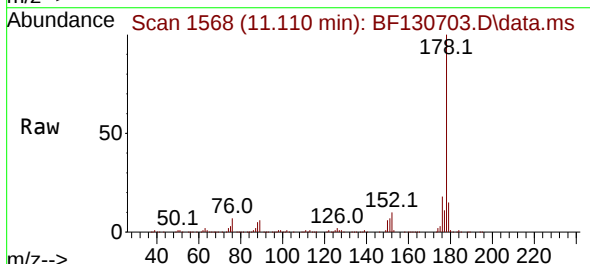
Manual Integrations
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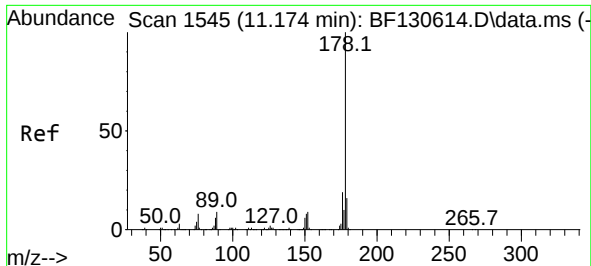
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#71
Phenanthrene
Concen: 21.676 ng
RT: 11.110 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

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





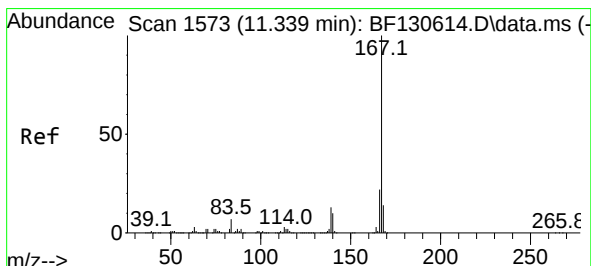
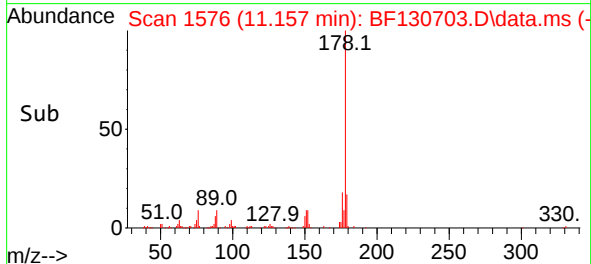
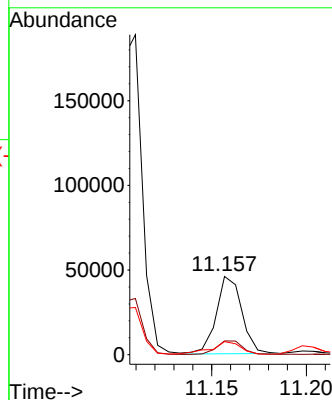
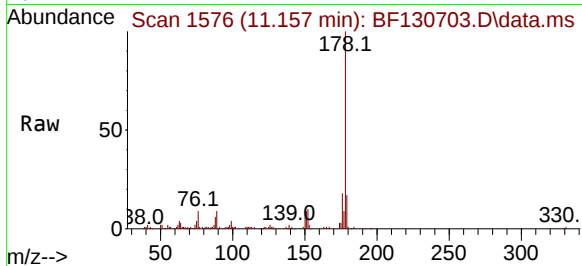
#72
 Anthracene
 Concen: 5.708 ng
 RT: 11.157 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130703.D
 Acq: 18 Oct 2022 17:48

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

Tgt Ion:178 Resp: 4285
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.4
 179 16.7 12.5 18.7

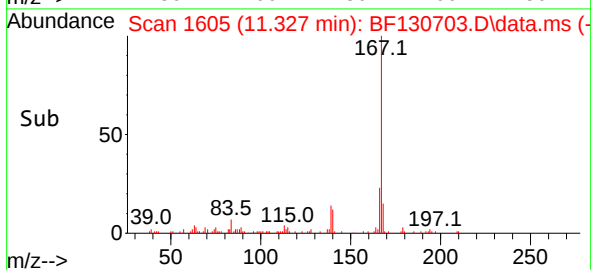
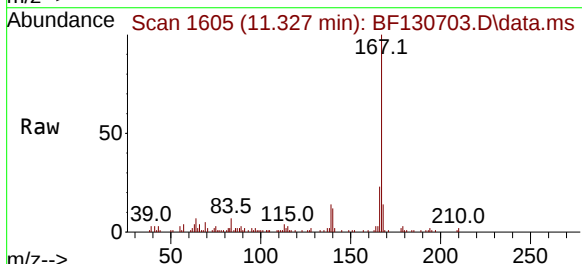
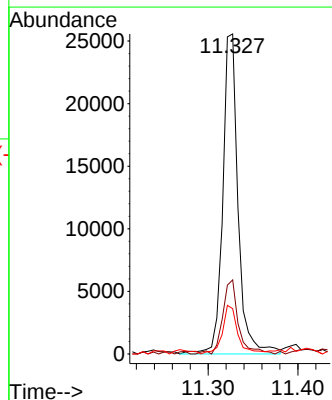
Manual Integrations
 APPROVED

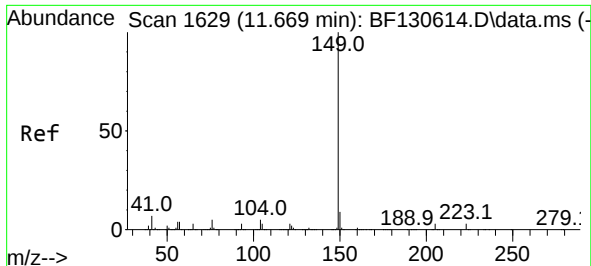
Reviewed By :Christian Giraldo 10/19/2022
 Supervised By :Jagrut Upadhyay 10/19/2022



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

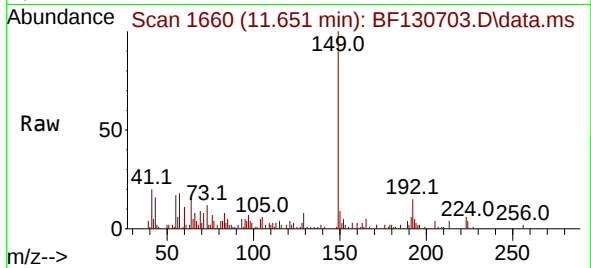
Tgt Ion:167 Resp: 30390
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.3 25.9
 139 14.2 10.7 16.1





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

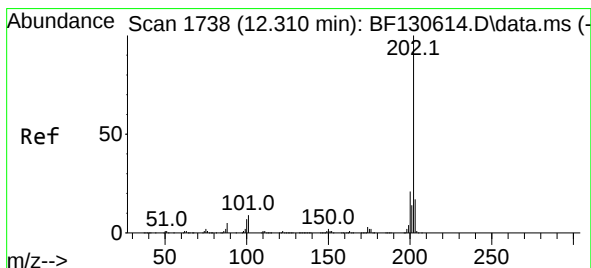
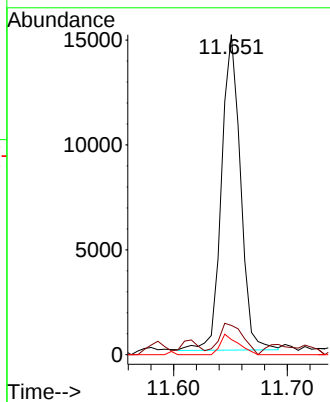
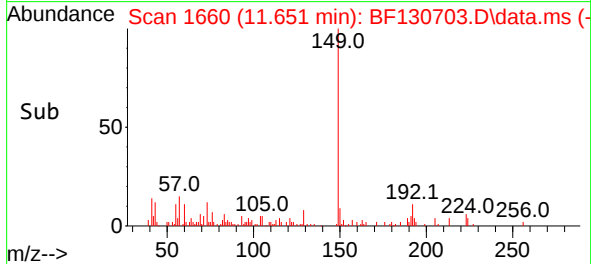
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



Tgt Ion:149 Resp: 1752
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 4.8 4.2 6.2

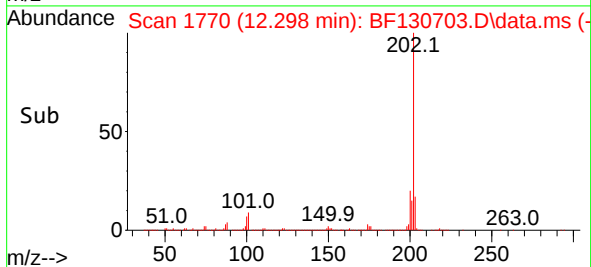
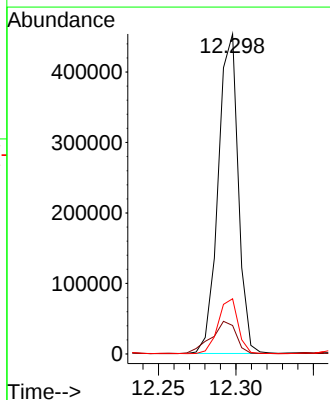
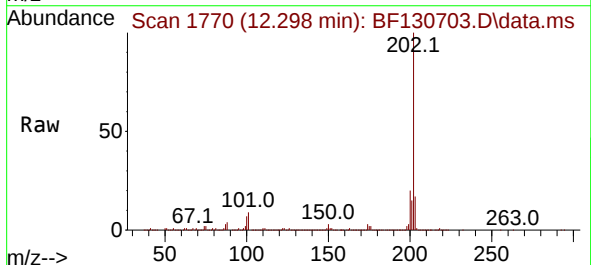
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APPROVED

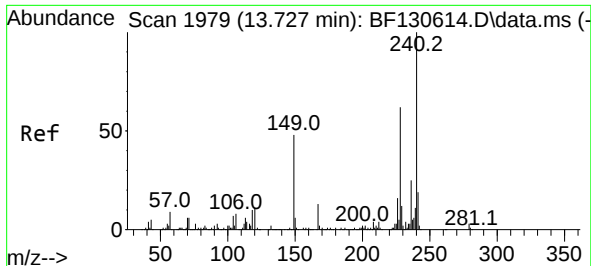
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#75
Fluoranthene
Concen: 55.209 ng
RT: 12.298 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

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





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

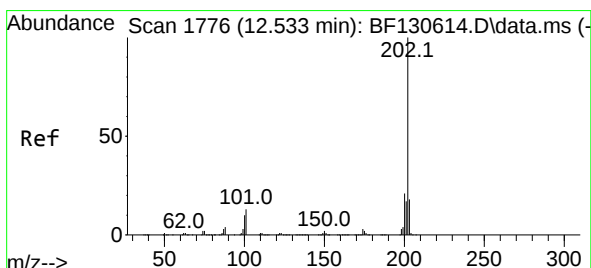
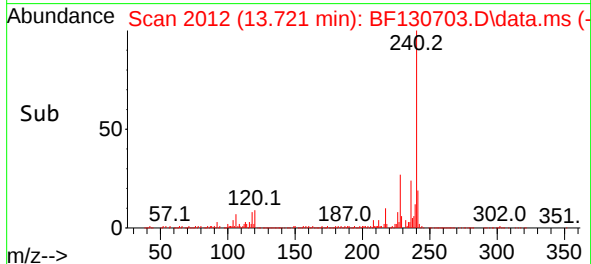
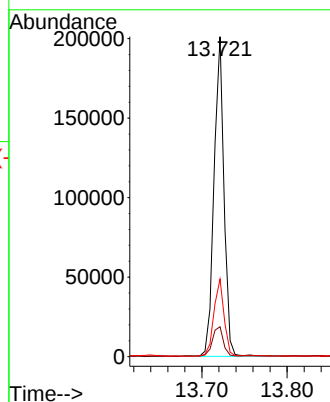
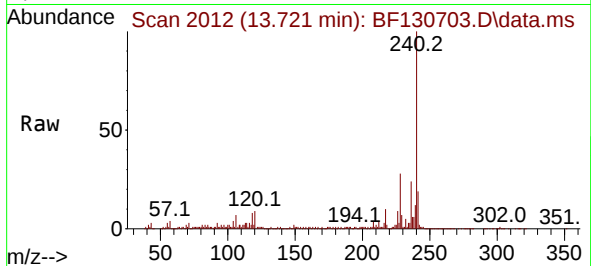
NB-08-101722

Tgt Ion:240 Resp: 163790
Ion Ratio Lower Upper
240 100
120 9.3 8.6 13.0
236 24.2 20.2 30.4

Manual Integrations

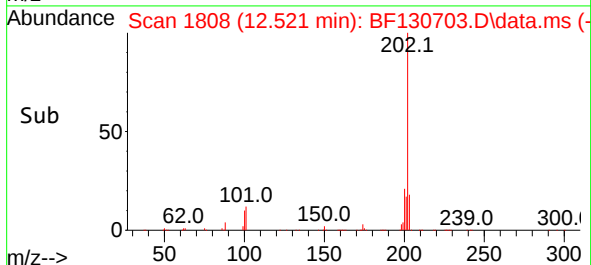
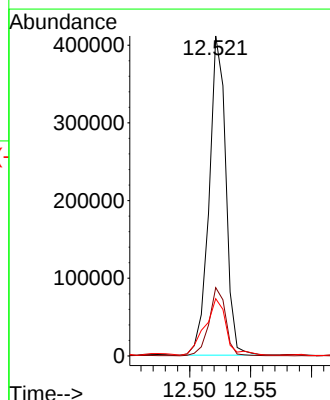
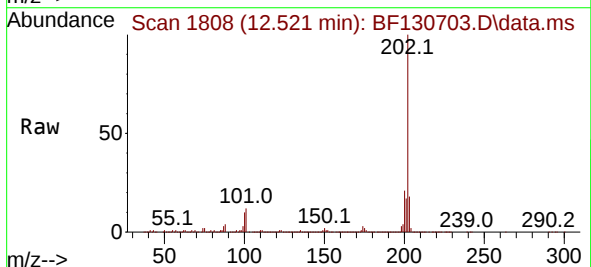
APPROVED

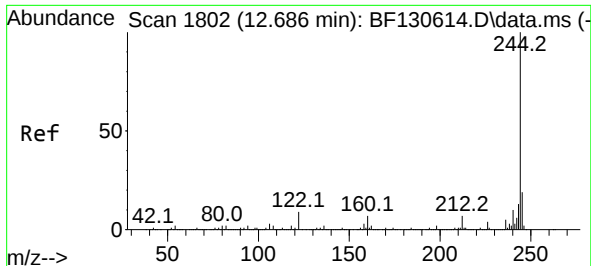
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



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

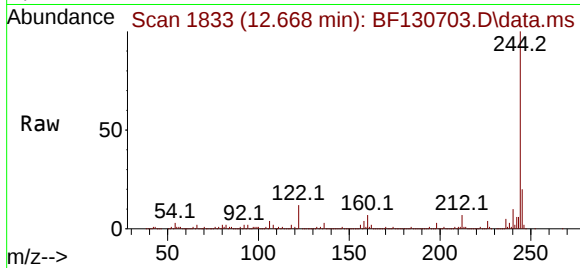
Tgt Ion:202 Resp: 391115
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 17.9 14.0 21.0





#79
 Terphenyl-d14
 Concen: 46.759 ng
 RT: 12.668 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: BF130703.D
 Acq: 18 Oct 2022 17:48

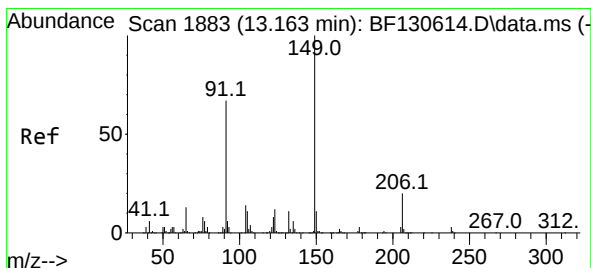
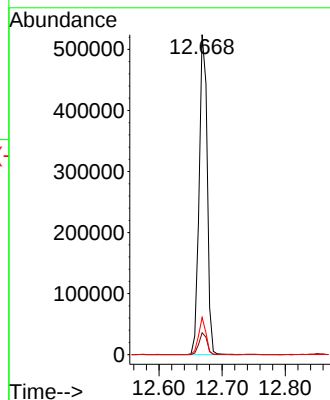
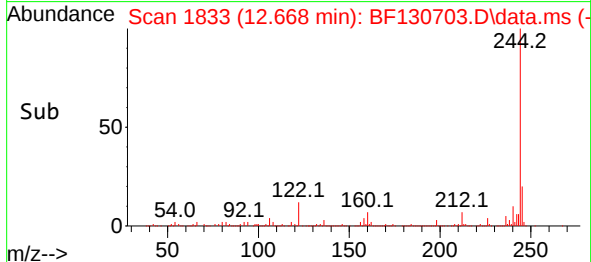
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722



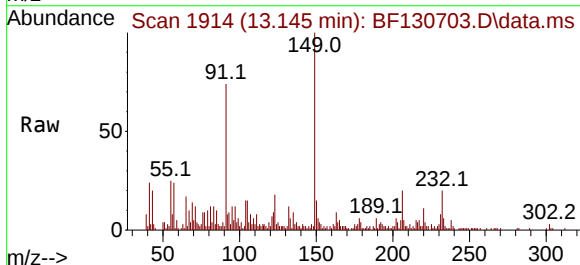
Tgt Ion:244 Resp: 46146
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.6 7.5 11.3

Manual Integrations
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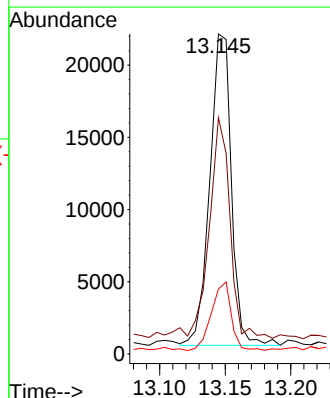
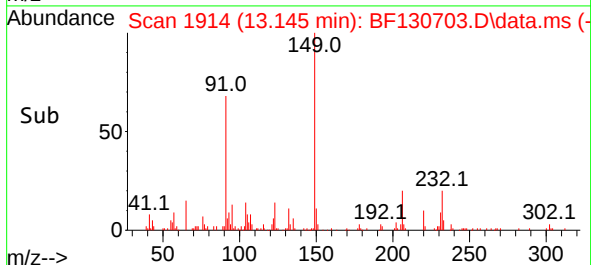
Reviewed By :Christian Giraldo 10/19/2022
 Supervised By :Jagrut Upadhyay 10/19/2022

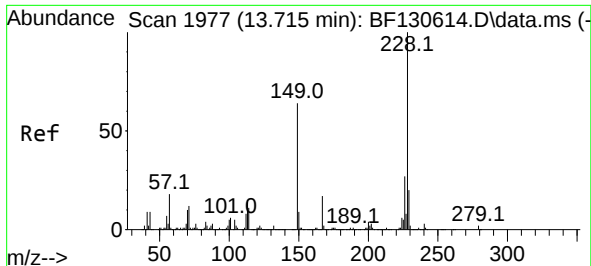


#80
 Butylbenzylphthalate
 Concen: 4.555 ng
 RT: 13.145 min Scan# 1914
 Delta R.T. -0.006 min
 Lab File: BF130703.D
 Acq: 18 Oct 2022 17:48



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





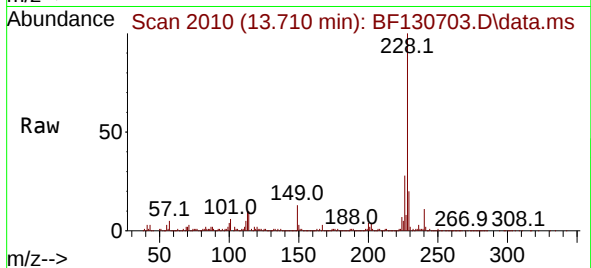
#81
Benzo(a)anthracene
Concen: 26.623 ng
RT: 13.710 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

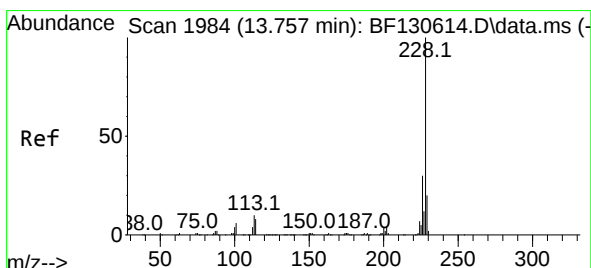
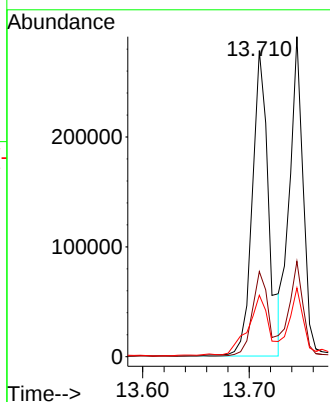
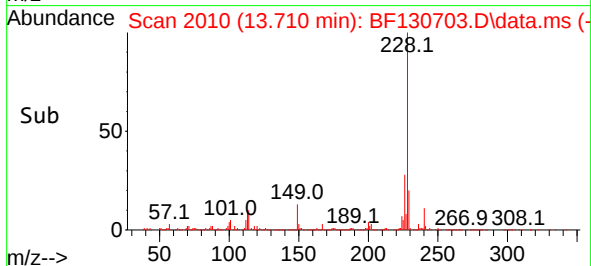


Tgt Ion:228 Resp: 29382
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.1 15.8 23.8

Manual Integrations

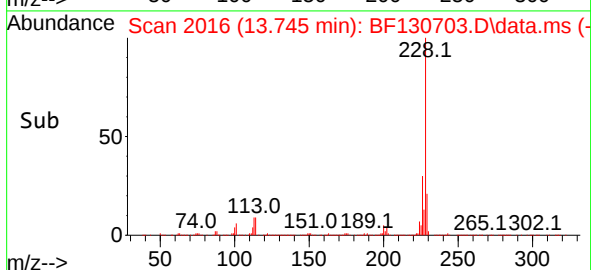
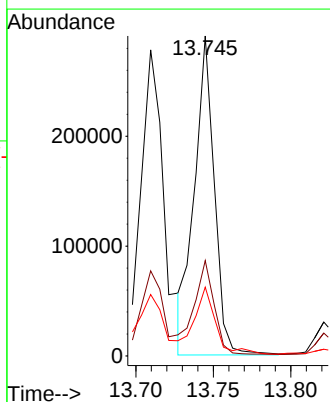
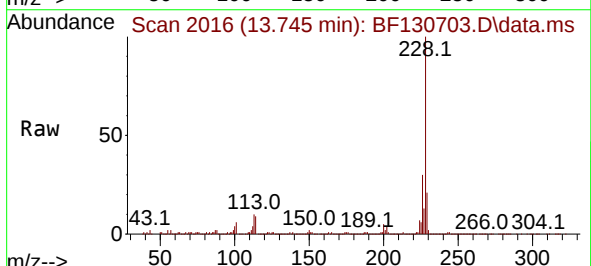
APPROVED

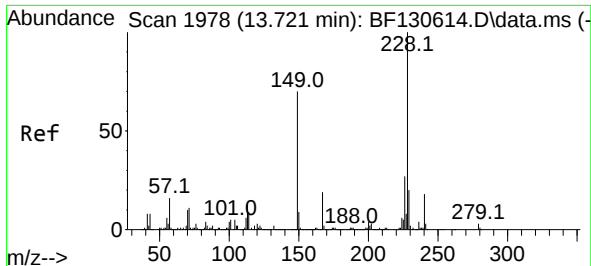
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#83
Chrysene
Concen: 24.959 ng
RT: 13.745 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

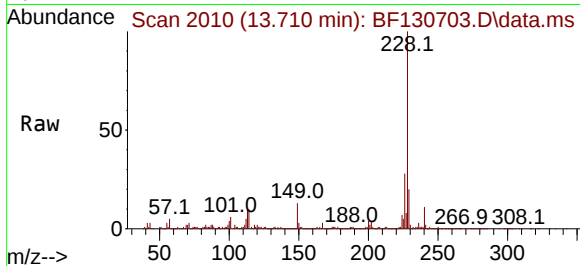
Tgt Ion:228 Resp: 261182
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 21.5 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.388 ng
RT: 13.710 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

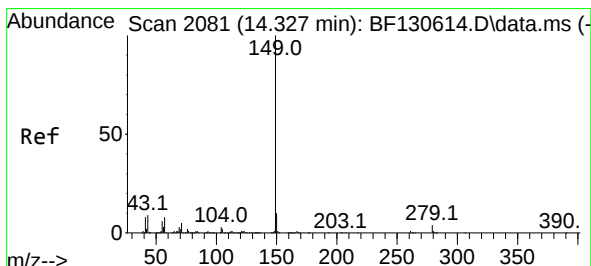
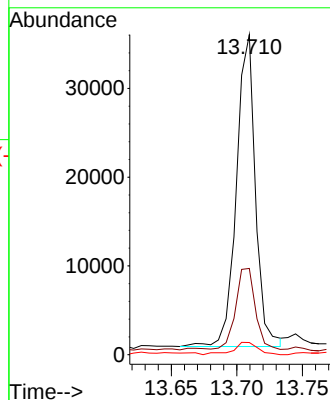
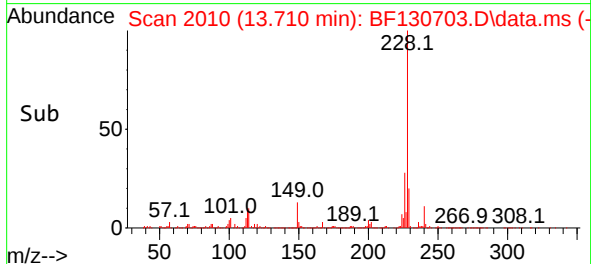
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



Tgt Ion:149 Resp: 35490
Ion Ratio Lower Upper
149 100
167 27.0 21.9 32.9
279 3.8 3.8 5.6

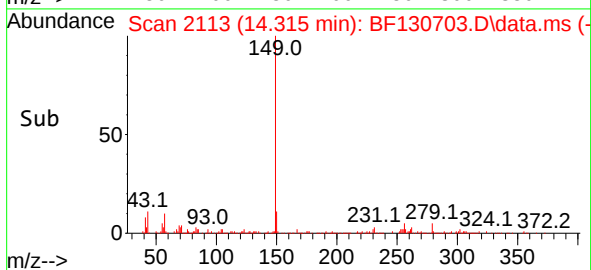
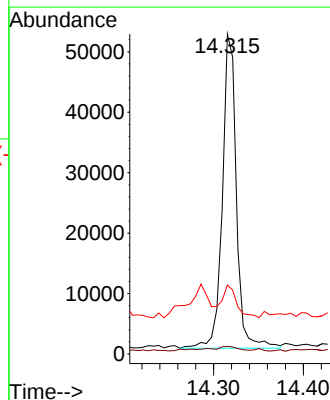
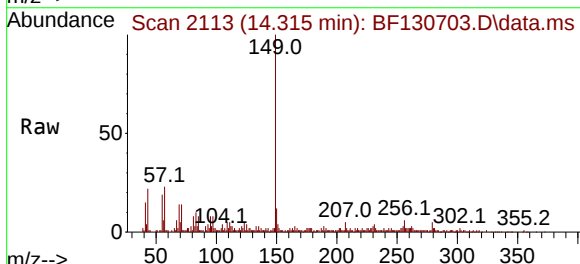
Manual Integrations
APPROVED

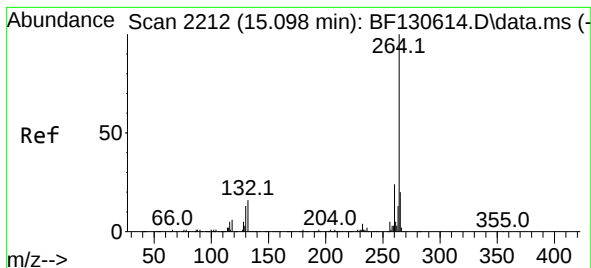
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#85
Di-n-octyl phthalate
Concen: 5.607 ng
RT: 14.315 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:149 Resp: 56563
Ion Ratio Lower Upper
149 100
167 3.2 1.2 1.8#
43 11.2 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.098 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

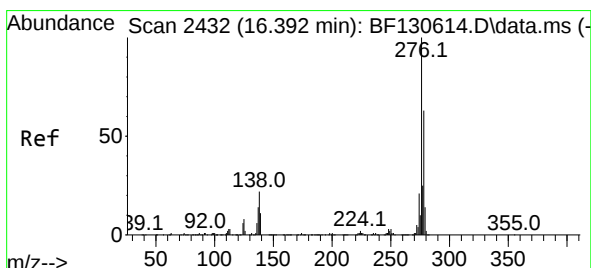
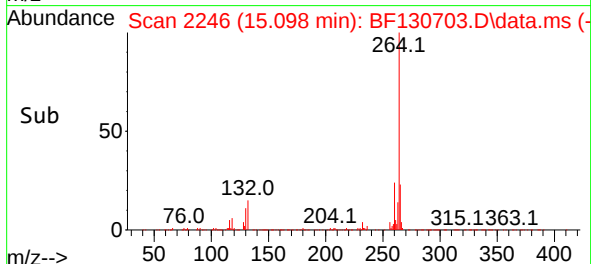
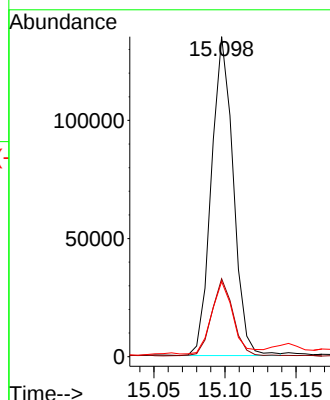
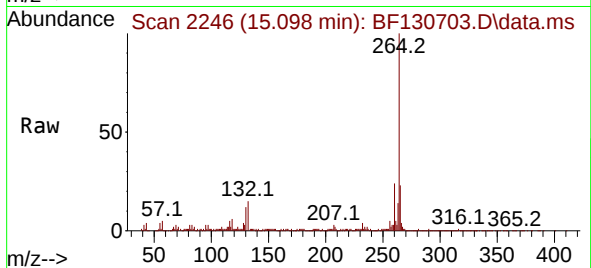
NB-08-101722

Tgt Ion:	264	Resp:	14484
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.1	28.7
265	23.4	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.008 ng

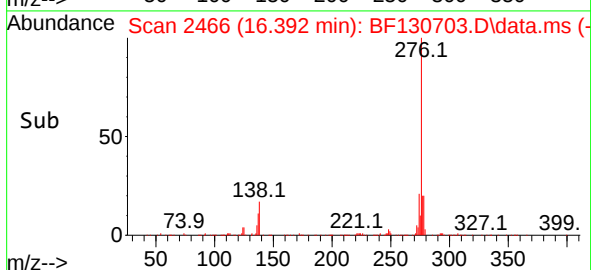
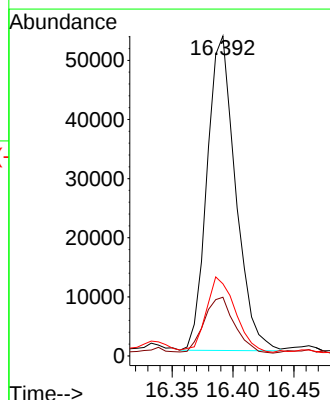
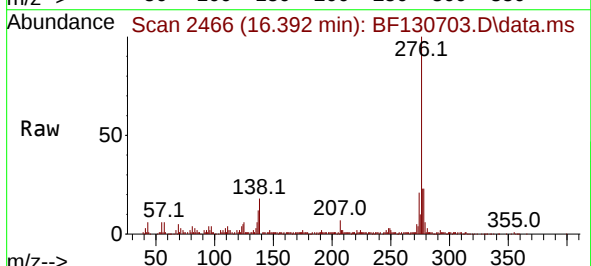
RT: 16.392 min Scan# 2466

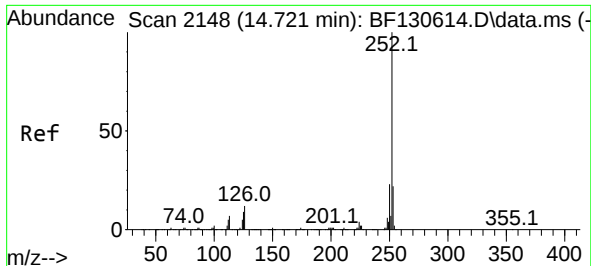
Delta R.T. 0.012 min

Lab File: BF130703.D

Acq: 18 Oct 2022 17:48

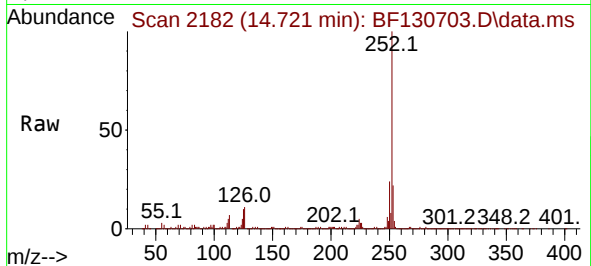
Tgt Ion:	276	Resp:	86818
Ion Ratio	Lower	Upper	
276	100		
138	19.1	18.0	27.0
277	24.7	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 33.781 ng m
RT: 14.721 min Scan# 2148
Delta R.T. 0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

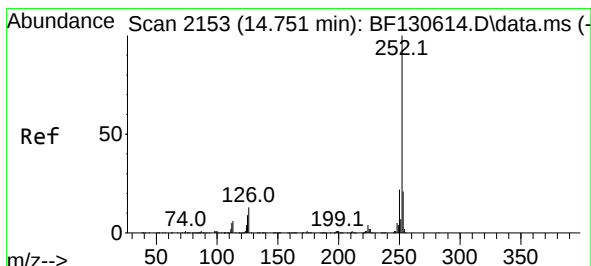
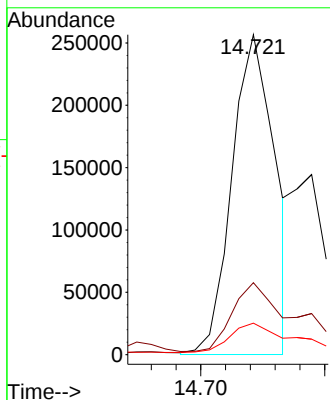
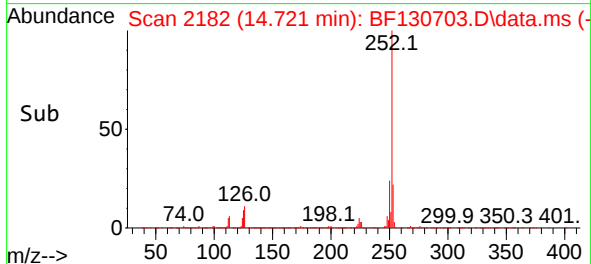
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



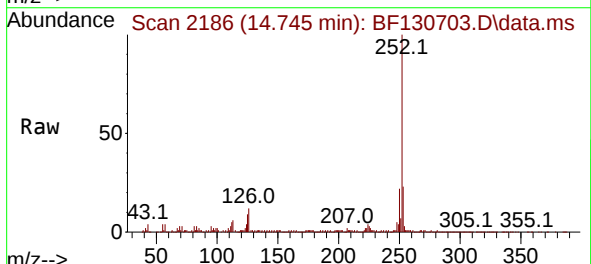
Tgt Ion:252 Resp: 309838
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.9 7.4 11.0

Manual Integrations
APPROVED

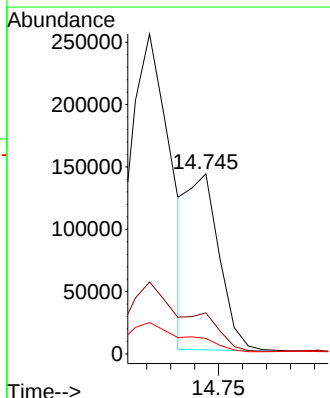
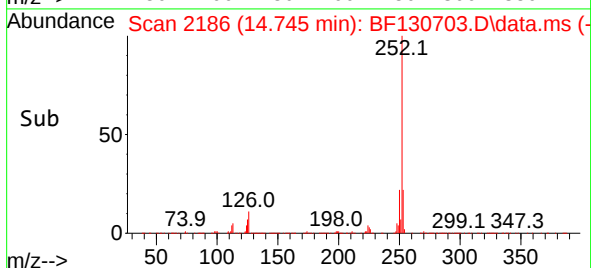
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022

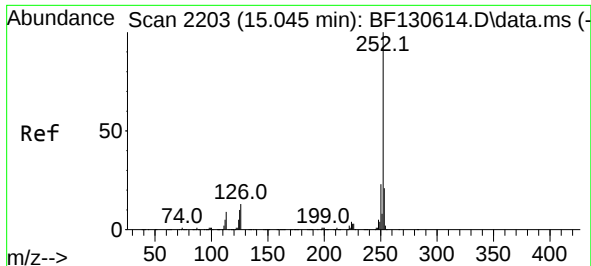


#89
Benzo(k)fluoranthene
Concen: 13.890 ng m
RT: 14.745 min Scan# 2186
Delta R.T. 0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48



Tgt Ion:252 Resp: 129720
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 8.6 7.2 10.8





#90
Benzo(a)pyrene
Concen: 27.093 ng
RT: 15.045 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

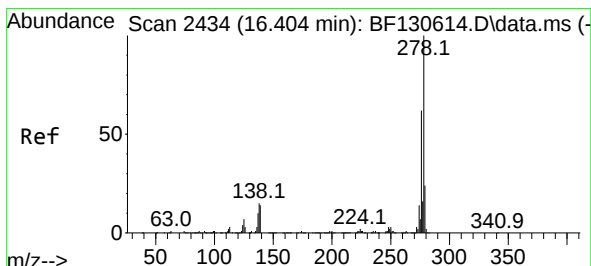
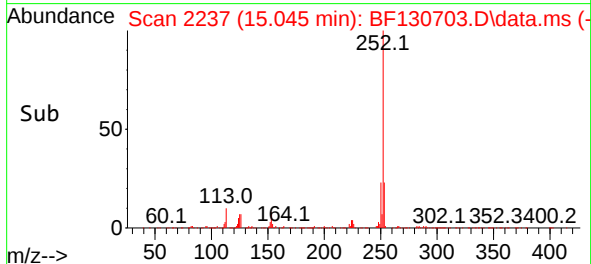
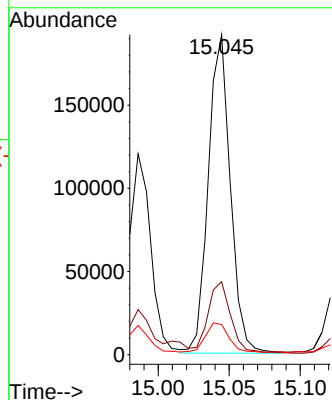
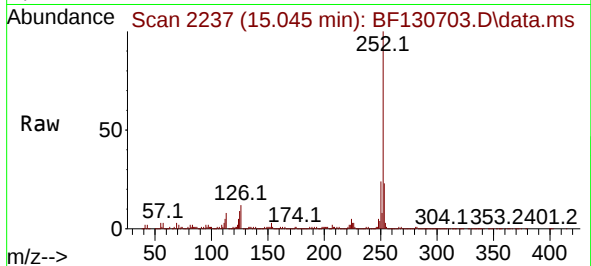
ClientSampleId :

NB-08-101722

Tgt Ion:252 Resp: 20682
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.4 8.4 12.6

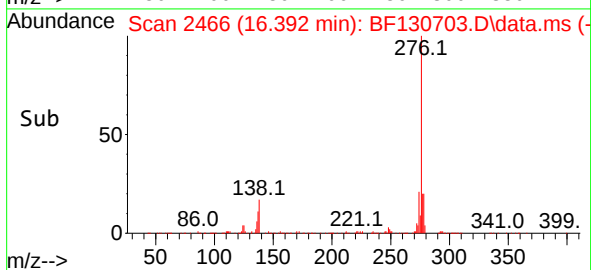
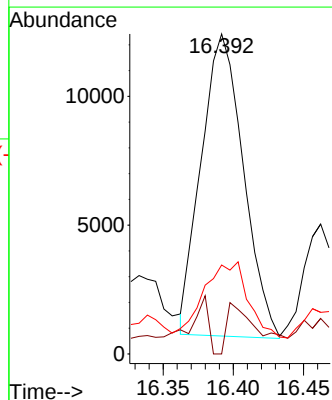
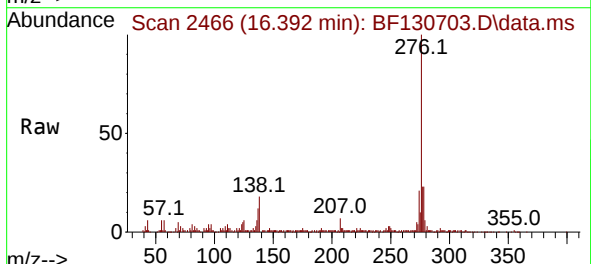
Manual Integrations
APPROVED

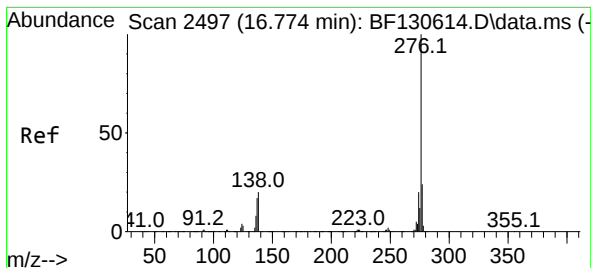
Reviewed By :Christian Giraldo 10/19/2022
Supervised By :Jagrut Upadhyay 10/19/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.758 ng m
RT: 16.392 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BF130703.D
Acq: 18 Oct 2022 17:48

Tgt Ion:278 Resp: 24510
Ion Ratio Lower Upper
278 100
139 0.0 11.1 16.7#
279 27.8 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 10.029 ng

RT: 16.780 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF130703.D

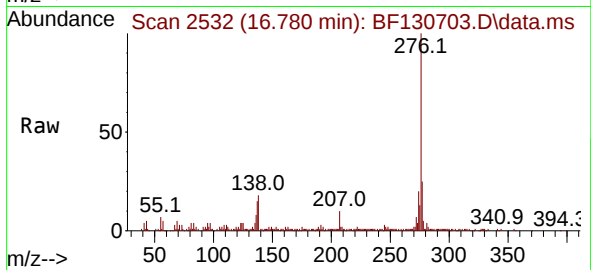
Acq: 18 Oct 2022 17:48

Instrument :

BNA_F

ClientSampleId :

NB-08-101722



Tgt Ion:276 Resp: 83008

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 17.8 15.9 23.9

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