

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
 Data File : BF130311.D
 Acq On : 17 Sep 2022 02:10
 Operator : CG\JU
 Sample : N4655-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-091522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 17 03:34:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 03:22:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	76405	20.000	ng	0.00
21) Naphthalene-d8	7.951	136	256182	20.000	ng	# 0.00
39) Acenaphthene-d10	9.698	164	107737	20.000	ng	0.00
64) Phenanthrene-d10	11.175	188	195689	20.000	ng	0.00
76) Chrysene-d12	13.810	240	206689	20.000	ng	0.00
86) Perylene-d12	15.198	264	155228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	65540	14.878	ng	0.00
7) Phenol-d6	6.293	99	74797	13.570	ng	-0.01
23) Nitrobenzene-d5	7.228	82	43685	8.712	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	15073	14.601	ng	-0.01
45) 2-Fluorobiphenyl	9.022	172	74035	10.007	ng	-0.01
79) Terphenyl-d14	12.763	244	95329	7.640	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.969	128	56939	4.314	ng	98
52) Acenaphthene	9.728	154	16779	2.617	ng	98
55) Dibenzofuran	9.898	168	20759	2.328	ng	99
58) Fluorene	10.239	166	29397	4.030	ng	# 98
71) Phenanthrene	11.198	178	248702	22.636	ng	99
72) Anthracene	11.251	178	82748	7.805	ng	97
73) Carbazole	11.410	167	21396	2.236	ng	97
75) Fluoranthene	12.386	202	384886	36.254	ng	98
78) Pyrene	12.616	202	334582	18.504	ng	100
81) Benzo(a)anthracene	13.798	228	194370	14.136	ng	98
83) Chrysene	13.833	228	155684	11.925	ng	96
87) Indeno(1,2,3-cd)pyrene	16.515	276	57145	5.191	ng	95
88) Benzo(b)fluoranthene	14.810	252	187239m	18.481	ng	
89) Benzo(k)fluoranthene	14.833	252	46637m	4.679	ng	
90) Benzo(a)pyrene	15.139	252	115794	14.426	ng	99
92) Benzo(g,h,i)perylene	16.915	276	50634	5.566	ng	98

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

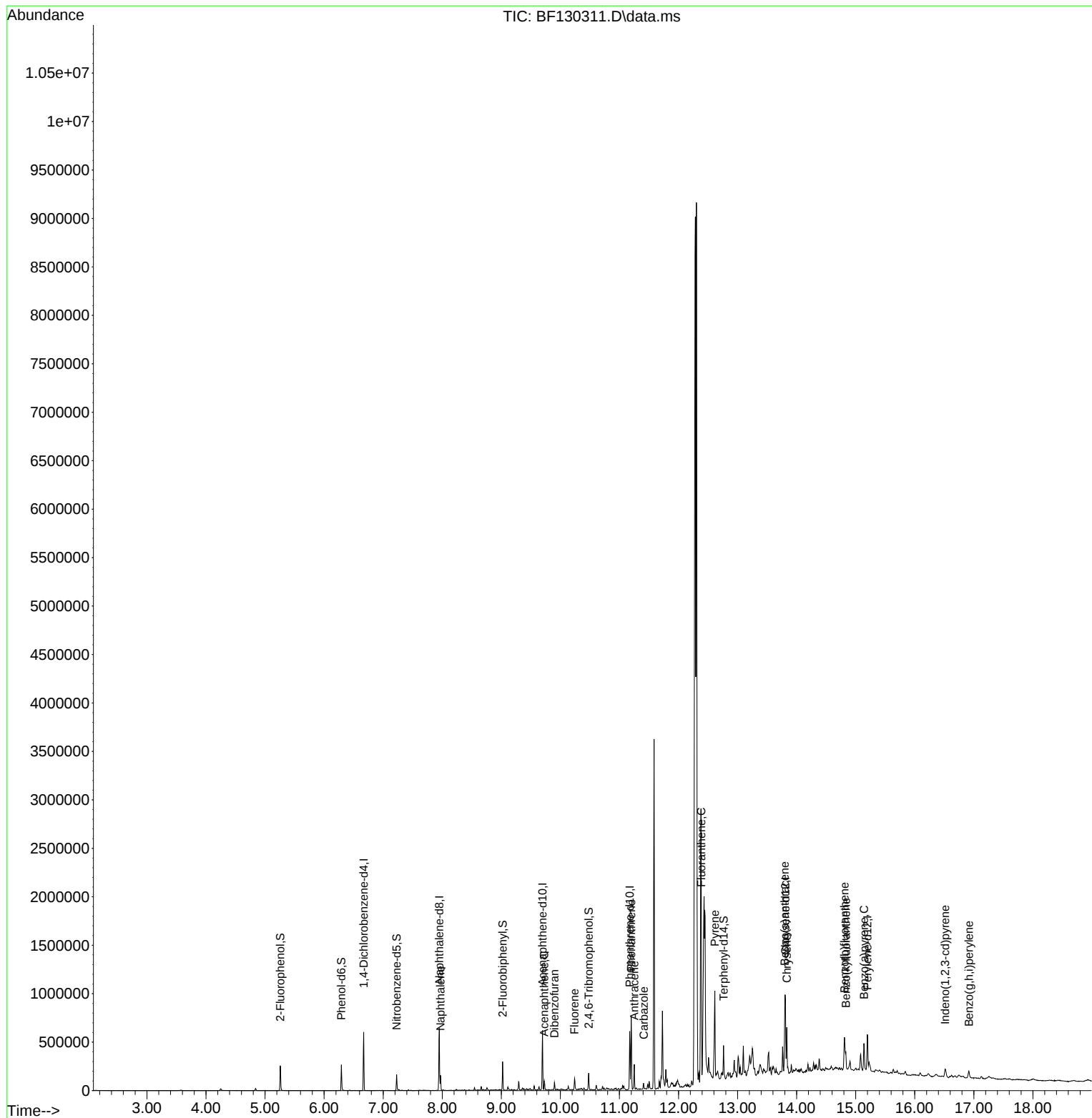
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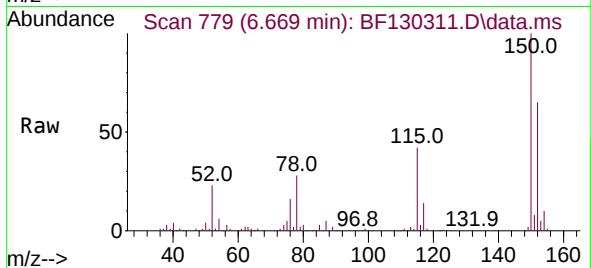
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

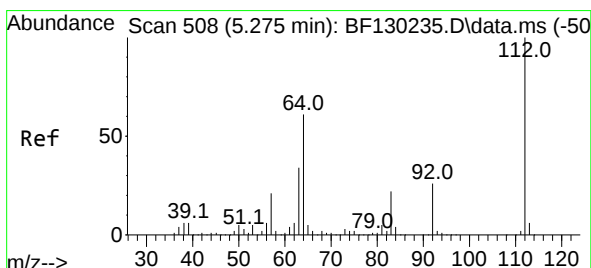
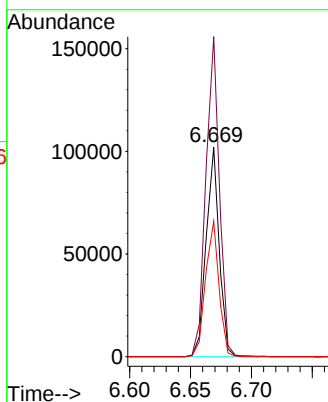
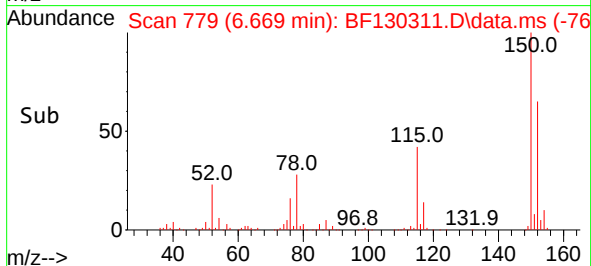
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



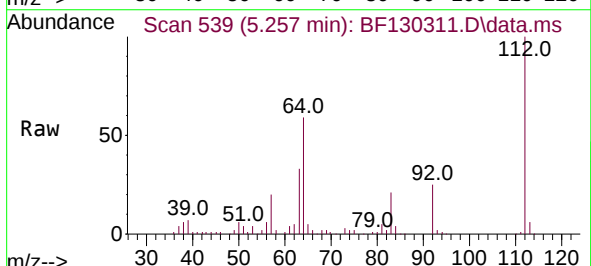
Tgt Ion:152 Resp: 76405
Ion Ratio Lower Upper
152 100
150 152.8 122.8 184.2
115 64.6 53.8 80.8

Manual Integrations
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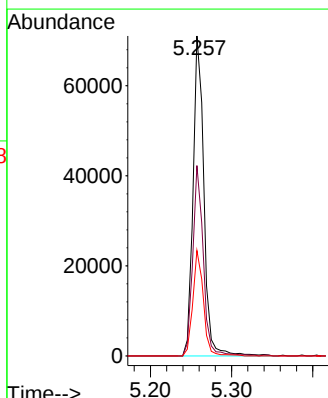
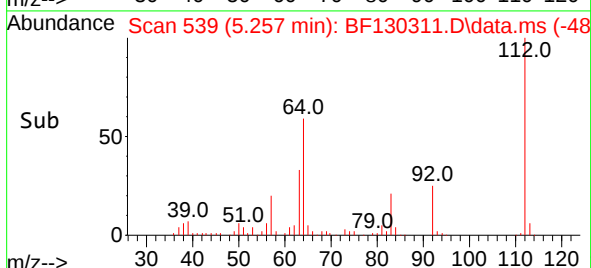
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

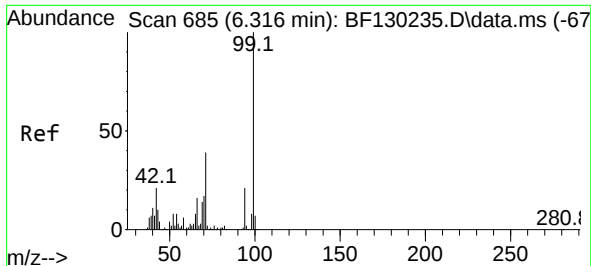


#5
2-Fluorophenol
Concen: 14.878 ng
RT: 5.257 min Scan# 539
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10



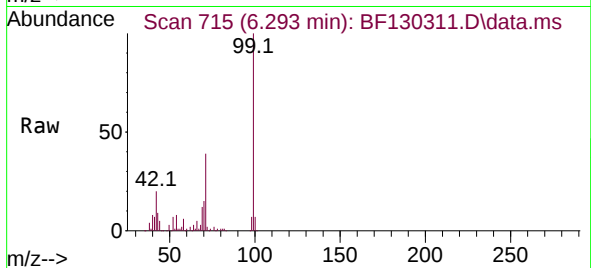
Tgt Ion:112 Resp: 65540
Ion Ratio Lower Upper
112 100
64 59.5 51.4 77.0
63 32.9 28.8 43.2





#7
Phenol-d6
Concen: 13.570 ng
RT: 6.293 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

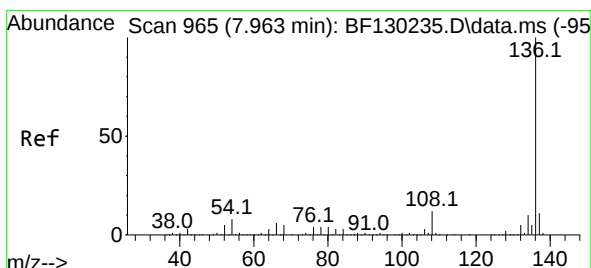
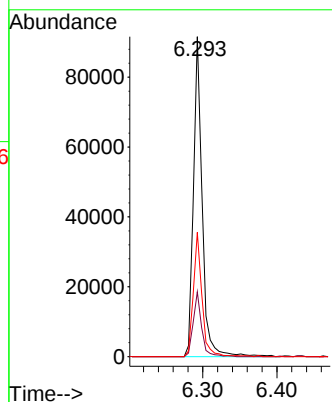
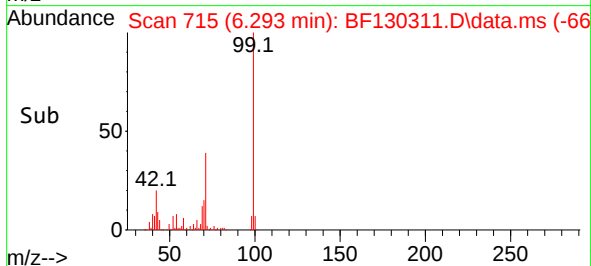
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



Tgt Ion: 99 Resp: 7479
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 38.8 32.3 48.5

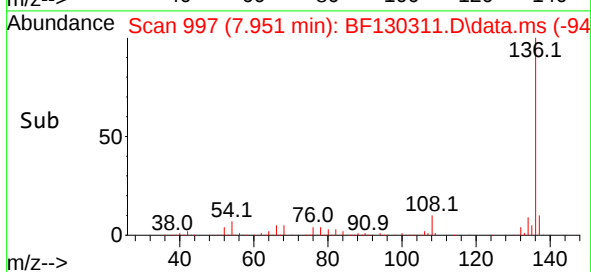
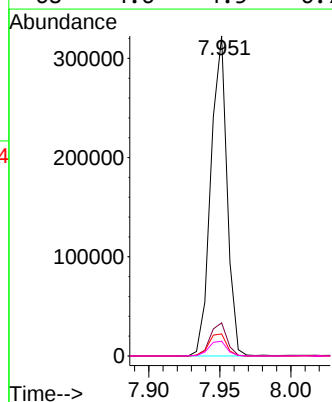
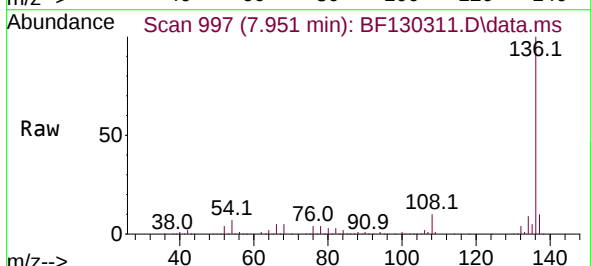
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Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:136 Resp: 256182
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 6.9 7.1 10.7#
68 4.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 8.712 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

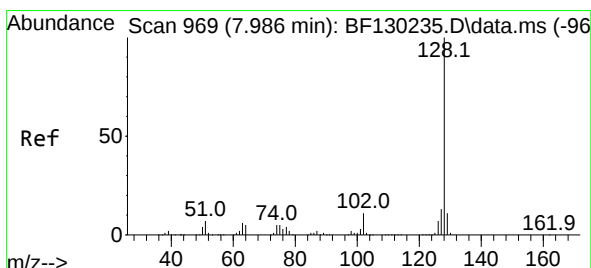
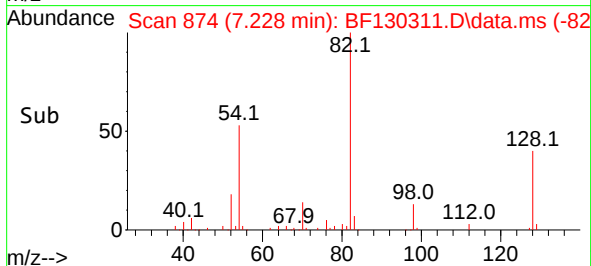
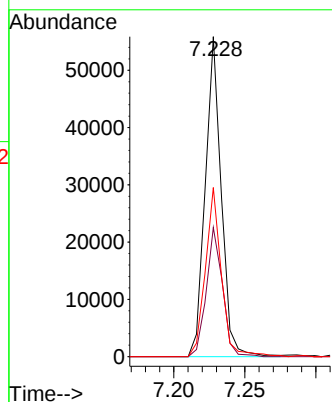
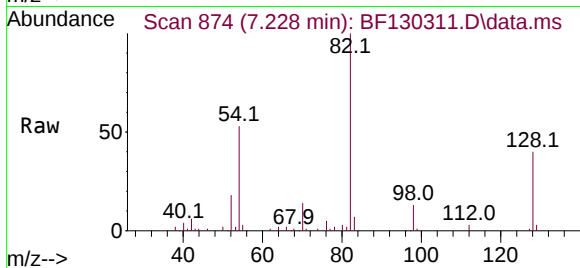
SU-3-091522

Tgt Ion: 82 Resp: 43685
 Ion Ratio Lower Upper
 82 100
 128 40.3 32.6 49.0
 54 52.8 43.8 65.6

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#31

Naphthalene

Concen: 4.314 ng

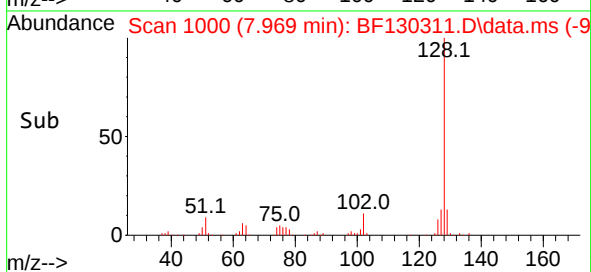
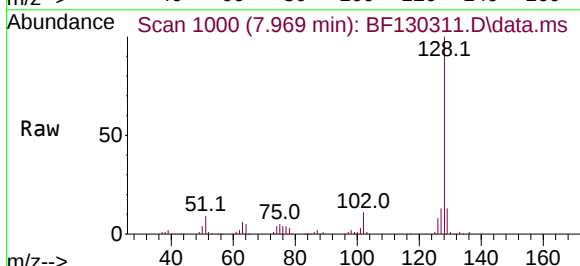
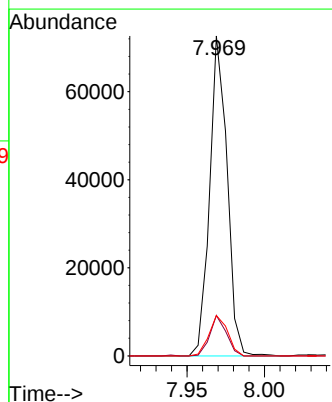
RT: 7.969 min Scan# 1000

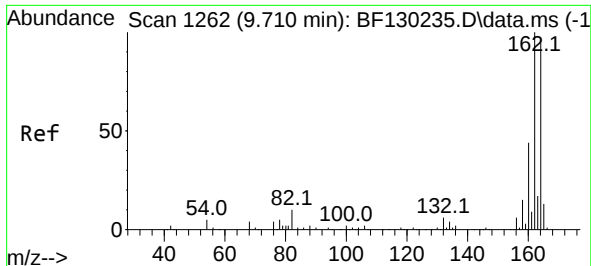
Delta R.T. -0.006 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Tgt Ion:128 Resp: 56939
 Ion Ratio Lower Upper
 128 100
 129 12.6 9.1 13.7
 127 12.6 10.6 16.0





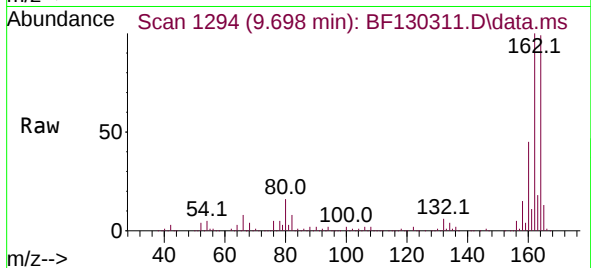
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

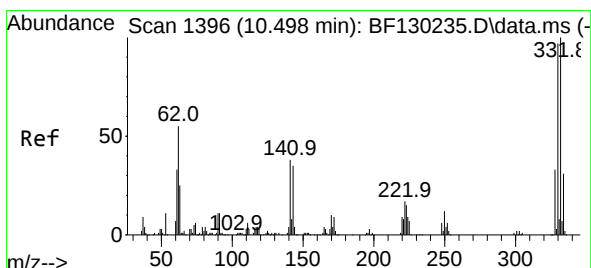
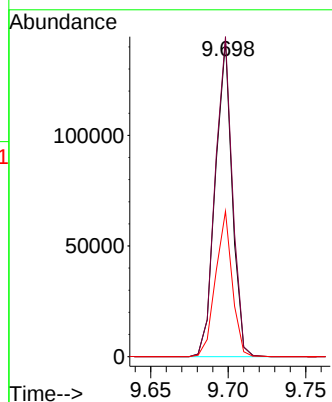


Tgt Ion:164 Resp: 10773
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 46.0 36.2 54.4

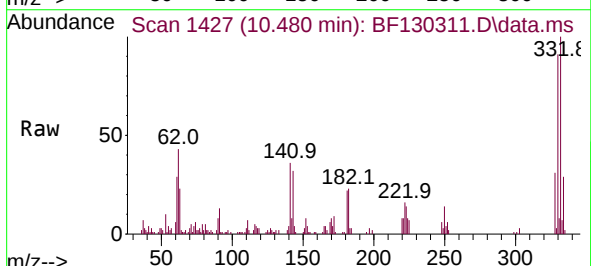
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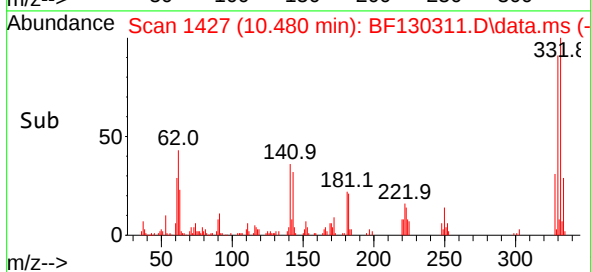
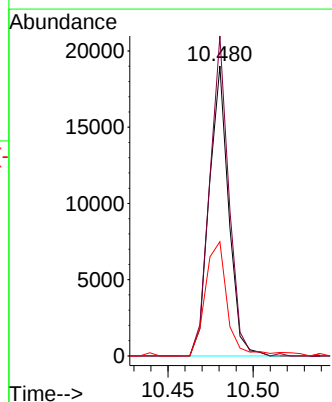
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

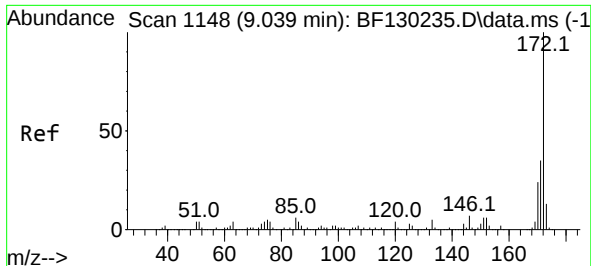


#42
2,4,6-Tribromophenol
Concen: 14.601 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10



Tgt Ion:330 Resp: 15073
Ion Ratio Lower Upper
330 100
332 109.0 83.4 125.2
141 45.9 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 10.007 ng

RT: 9.022 min Scan# 1148

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

Tgt Ion:172 Resp: 74035

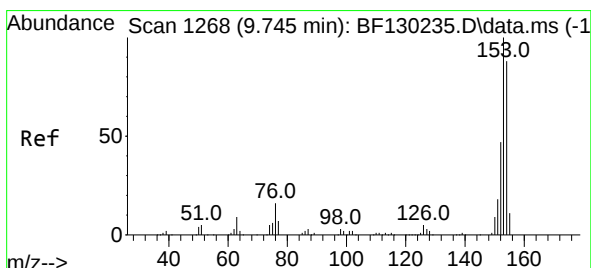
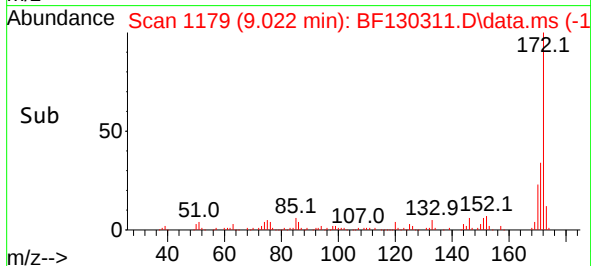
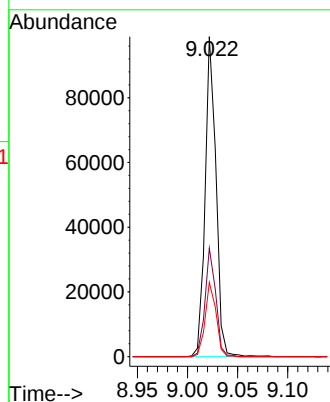
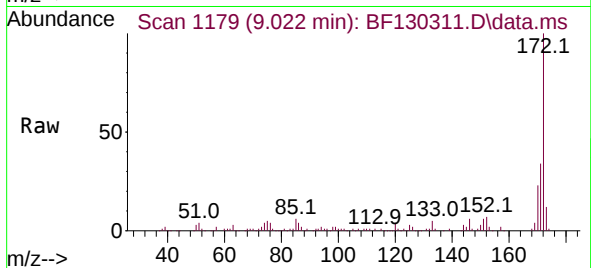
Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.3	42.5
170	23.2	18.7	28.1

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#52

Acenaphthene

Concen: 2.617 ng

RT: 9.728 min Scan# 1299

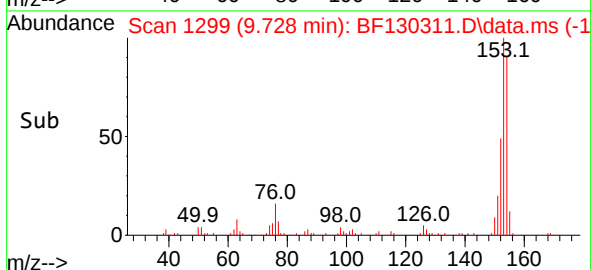
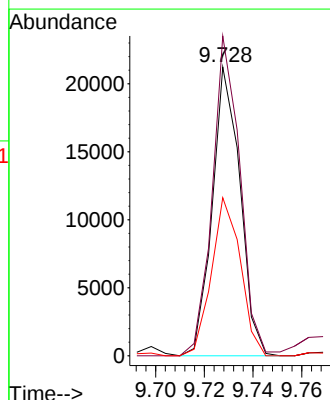
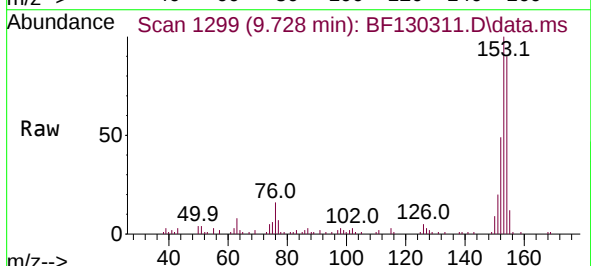
Delta R.T. -0.012 min

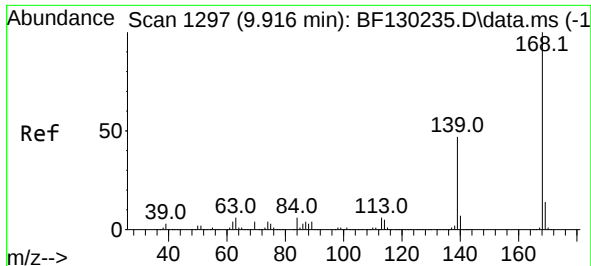
Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Tgt Ion:154 Resp: 16779

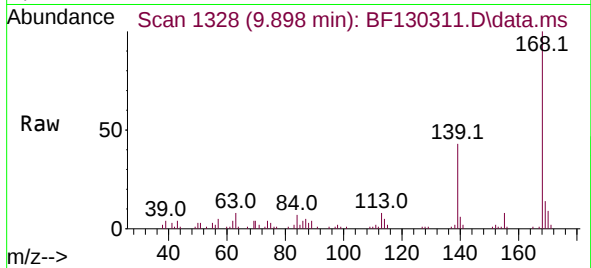
Ion	Ratio	Lower	Upper
154	100		
153	110.8	90.6	136.0
152	54.8	43.8	65.6





#55
Dibenzofuran
Concen: 2.328 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

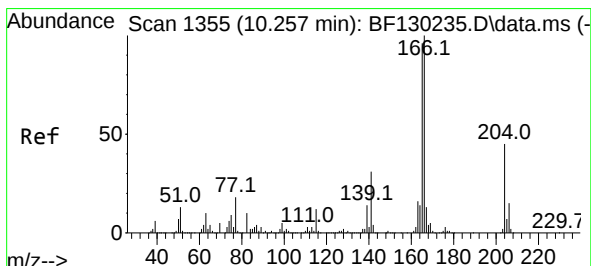
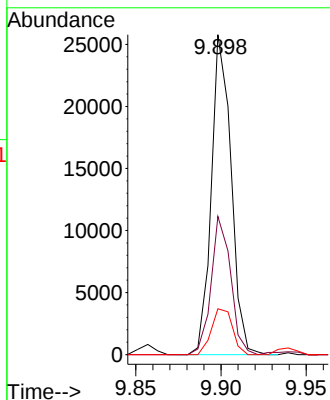
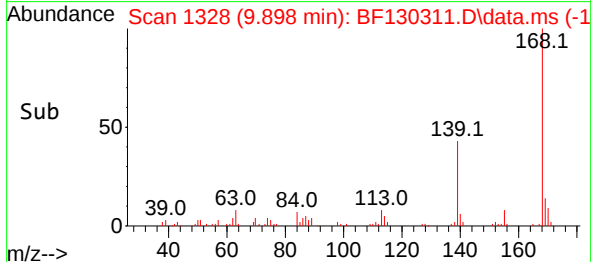
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



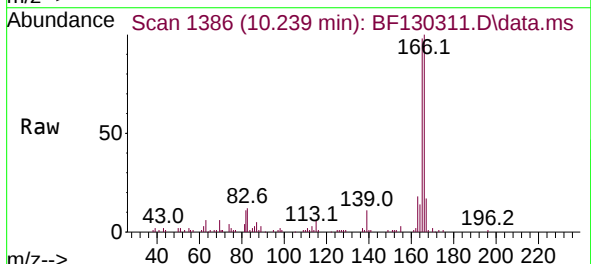
Tgt Ion:168 Resp: 20759
Ion Ratio Lower Upper
168 100
139 43.2 35.0 52.4
169 14.3 10.9 16.3

Manual Integrations
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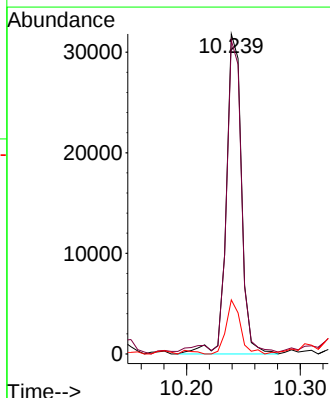
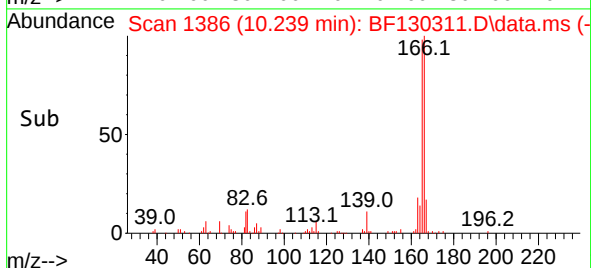
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

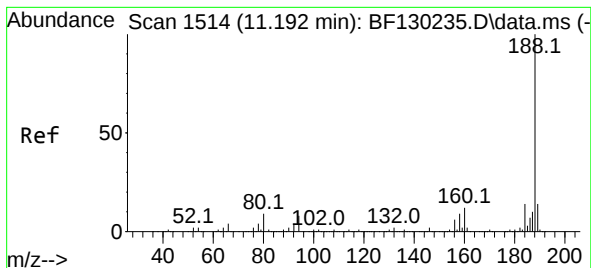


#58
Fluorene
Concen: 4.030 ng
RT: 10.239 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10



Tgt Ion:166 Resp: 29397
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 16.9 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

Tgt Ion:188 Resp: 195689

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

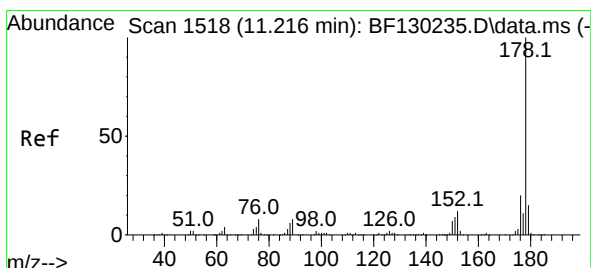
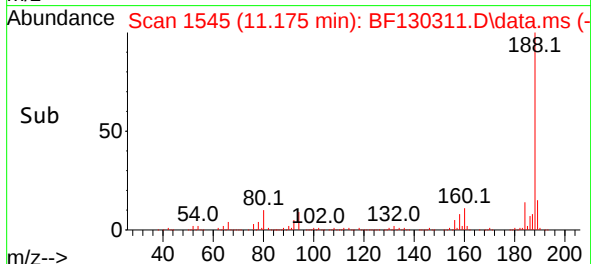
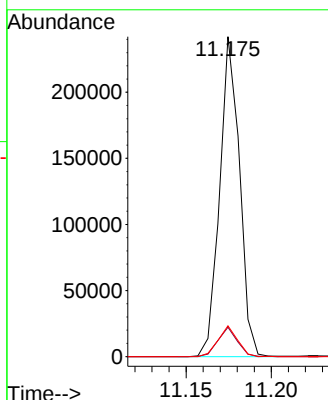
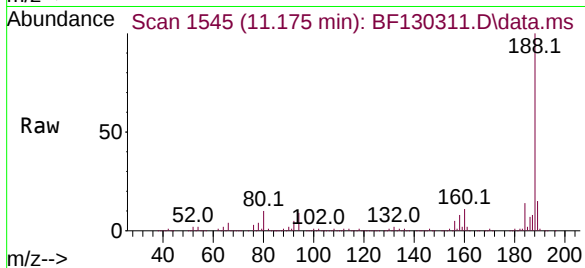
80 9.6 7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#71

Phenanthrene

Concen: 22.636 ng

RT: 11.198 min Scan# 1549

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

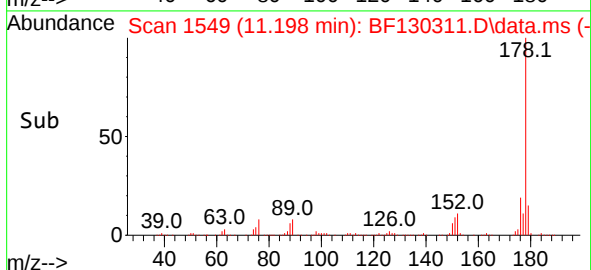
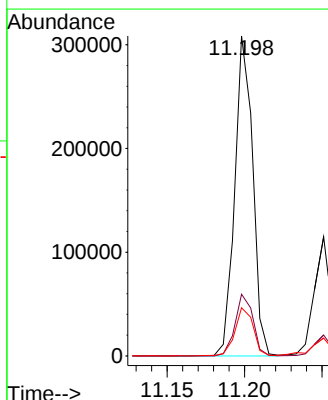
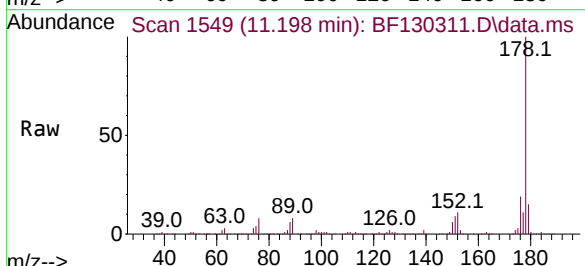
Tgt Ion:178 Resp: 248702

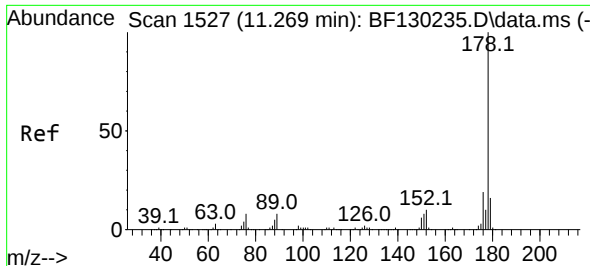
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

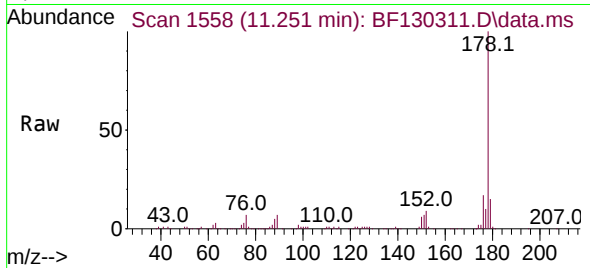
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 7.805 ng
 RT: 11.251 min Scan# 1558
 Delta R.T. -0.006 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10

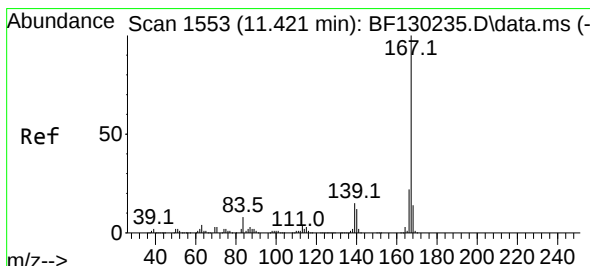
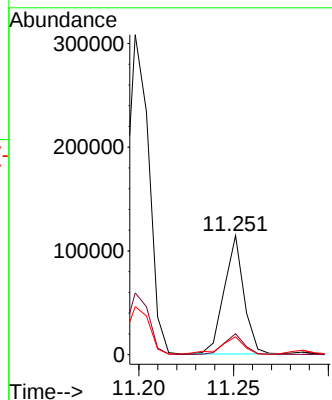
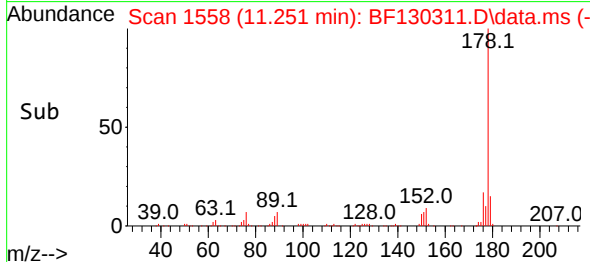
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-091522



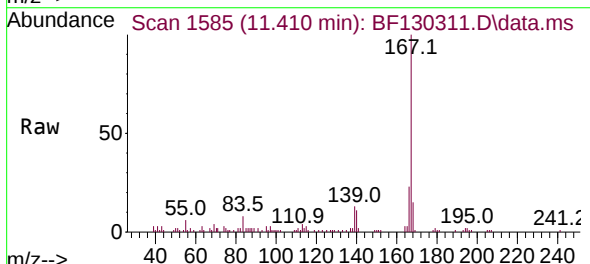
Tgt Ion:178 Resp: 82748
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.6
 179 15.0 12.7 19.1

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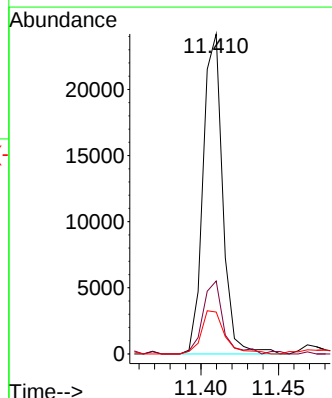
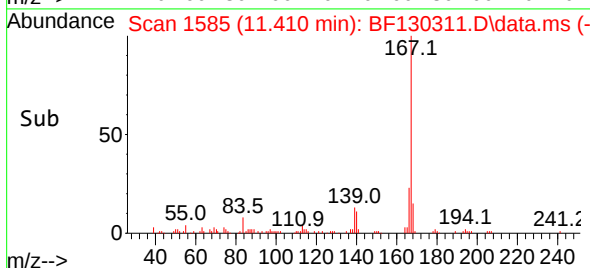
Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022

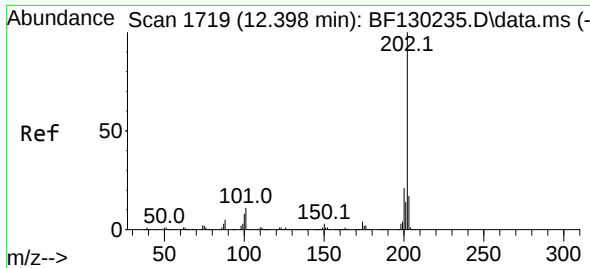


#73
 Carbazole
 Concen: 2.236 ng
 RT: 11.410 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10



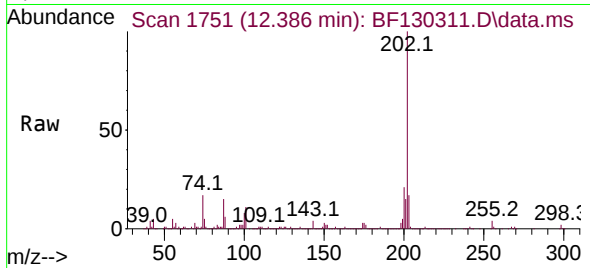
Tgt Ion:167 Resp: 21396
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.2
 139 13.1 11.6 17.4





#75
Fluoranthene
Concen: 36.254 ng
RT: 12.386 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

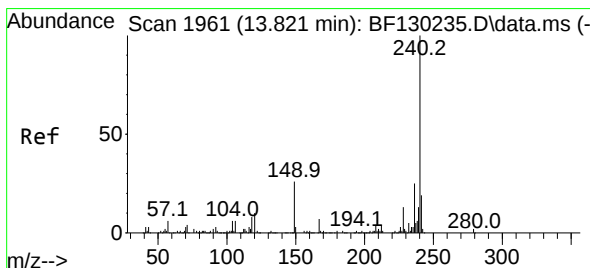
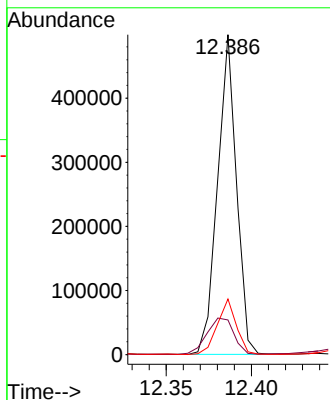
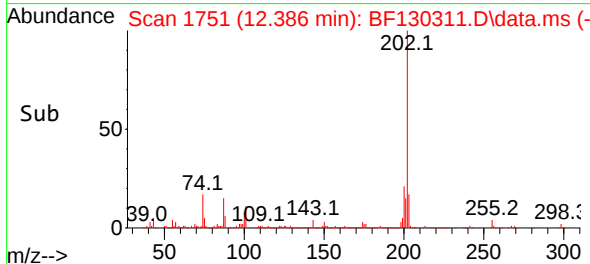
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



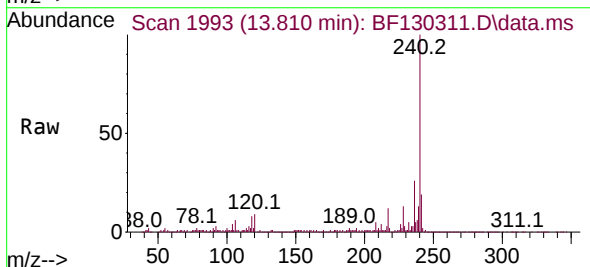
Tgt Ion:202 Resp: 384886
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.8
203 17.4 0.0 37.8

Manual Integrations
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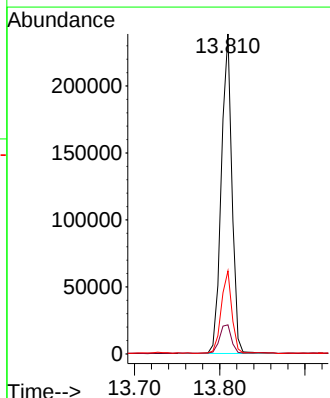
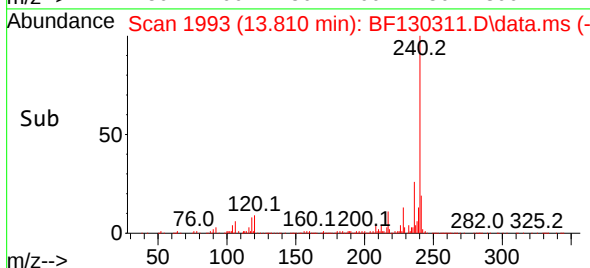
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

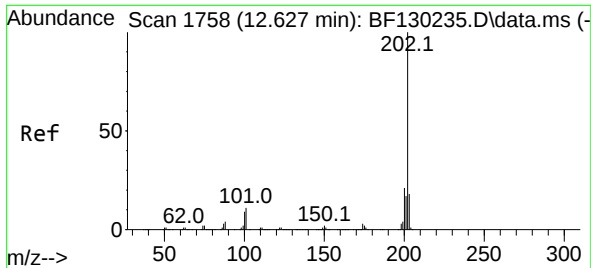


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.810 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10



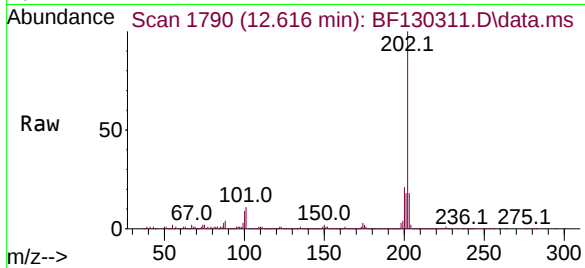
Tgt Ion:240 Resp: 206689
Ion Ratio Lower Upper
240 100
120 9.1 8.7 13.1
236 25.9 20.9 31.3





#78
Pyrene
Concen: 18.504 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

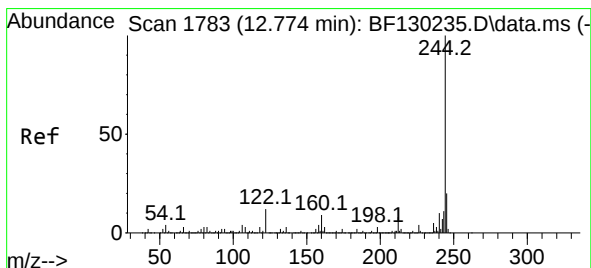
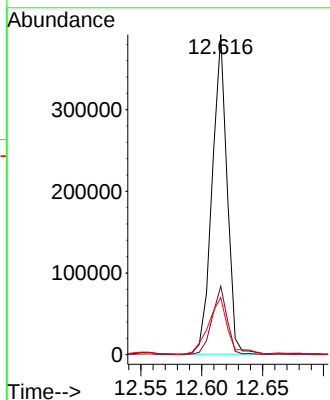
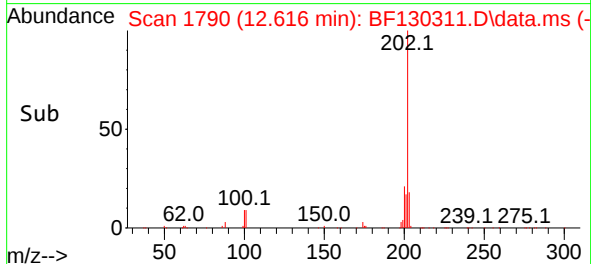
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



Tgt Ion:202 Resp: 334582
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.8 14.3 21.5

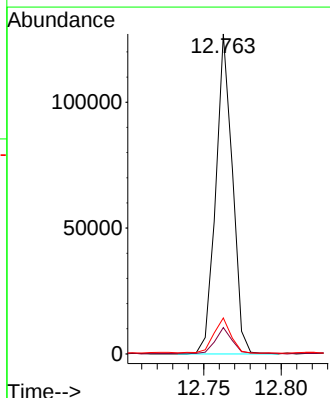
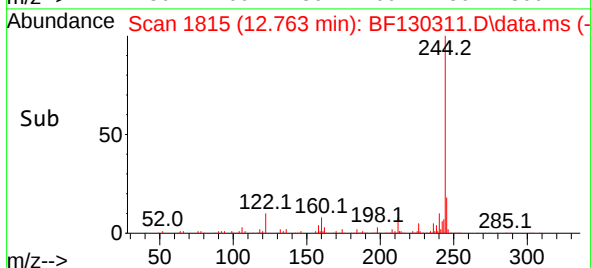
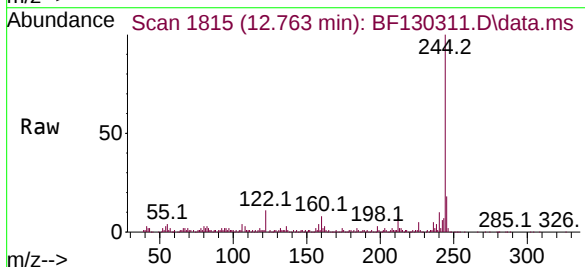
Manual Integrations
APPROVED

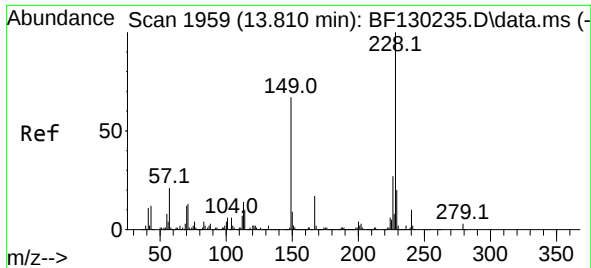
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#79
Terphenyl-d14
Concen: 7.640 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

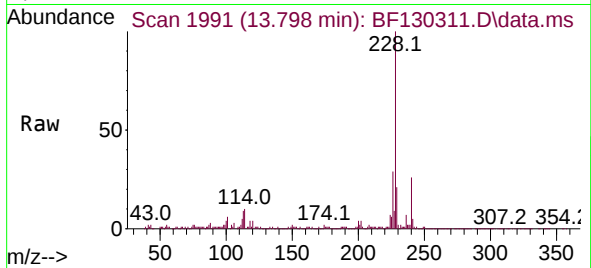
Tgt Ion:244 Resp: 95329
Ion Ratio Lower Upper
244 100
212 8.2 5.9 8.9
122 11.2 8.5 12.7





#81
Benzo(a)anthracene
Concen: 14.136 ng
RT: 13.798 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

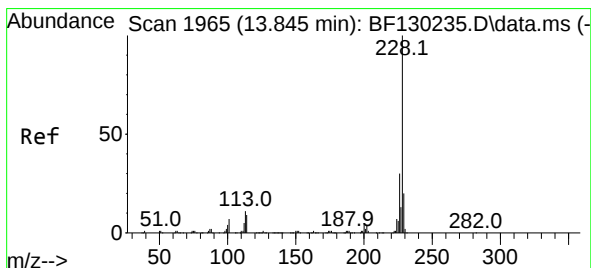
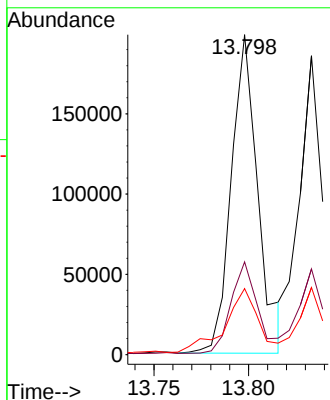
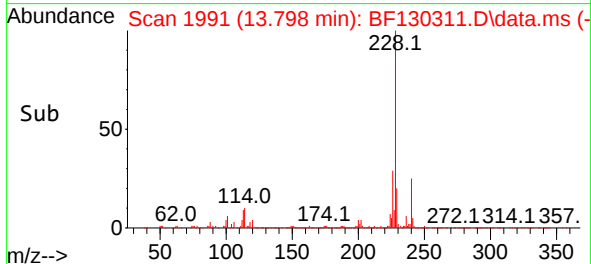
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



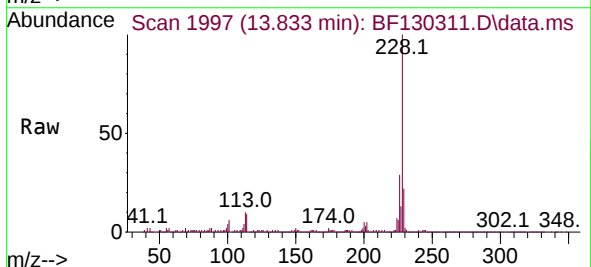
Tgt Ion:228 Resp: 194376
Ion Ratio Lower Upper
228 100
226 29.0 21.9 32.9
229 20.6 16.1 24.1

Manual Integrations
APPROVED

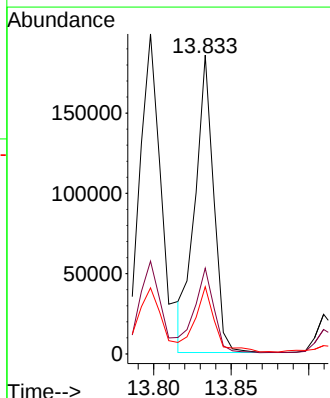
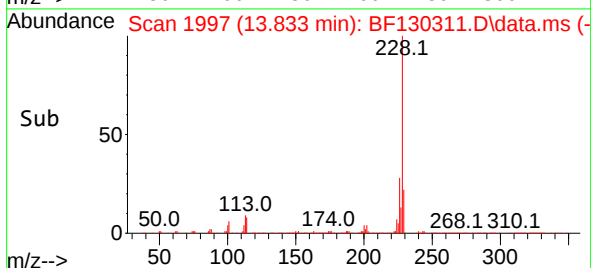
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

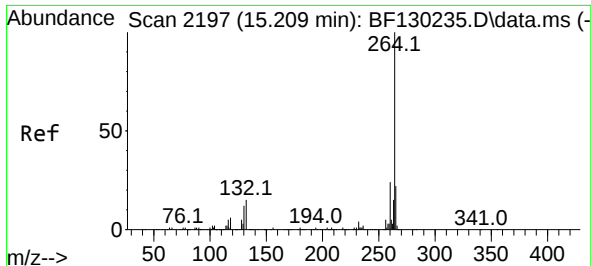


#83
Chrysene
Concen: 11.925 ng
RT: 13.833 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10



Tgt Ion:228 Resp: 155684
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.8
229 22.5 15.3 22.9





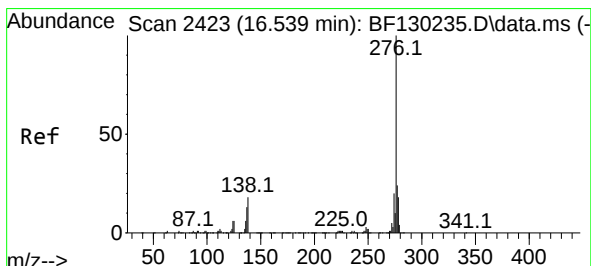
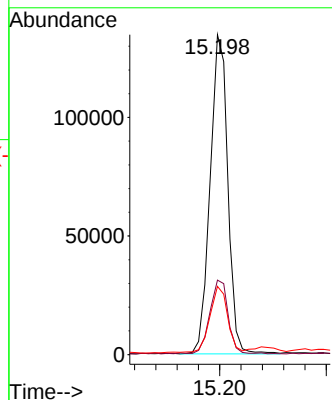
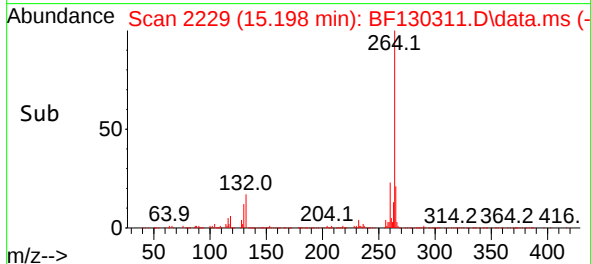
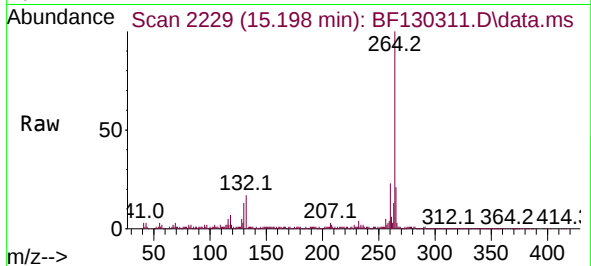
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.198 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Instrument :
BNA_F
ClientSampleId :
SU-3-091522

Tgt Ion:264 Resp: 155228
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.3 17.0 25.4

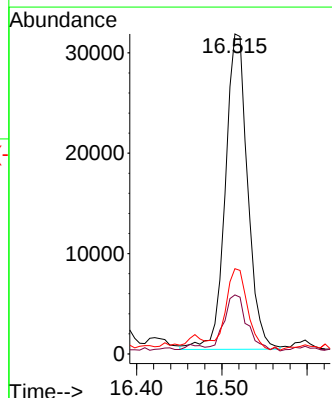
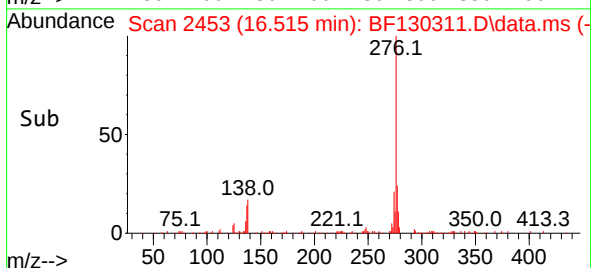
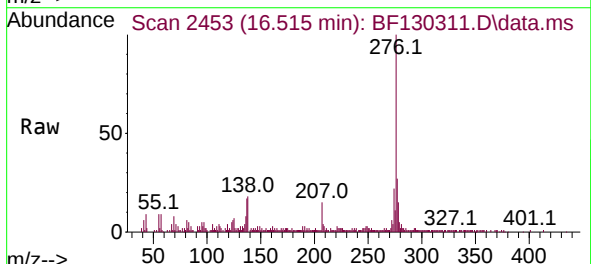
Manual Integrations
APPROVED

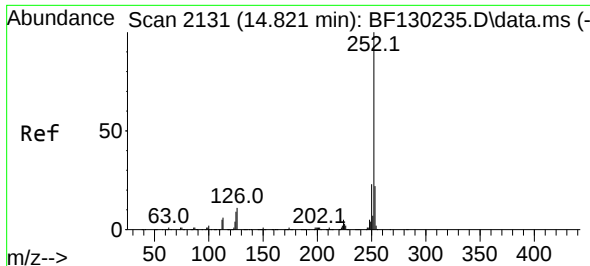
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.191 ng
RT: 16.515 min Scan# 2453
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

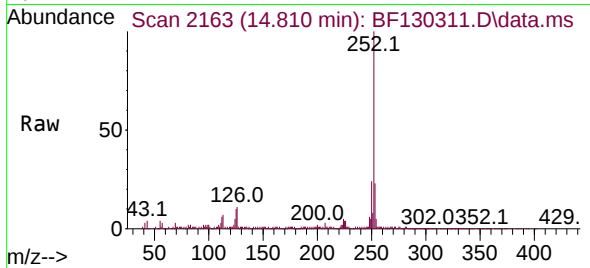
Tgt Ion:276 Resp: 57145
Ion Ratio Lower Upper
276 100
138 18.6 18.5 27.7
277 24.5 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 18.481 ng m
RT: 14.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

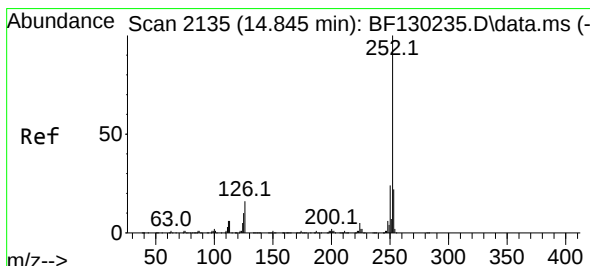
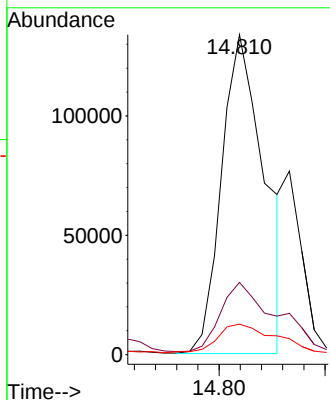
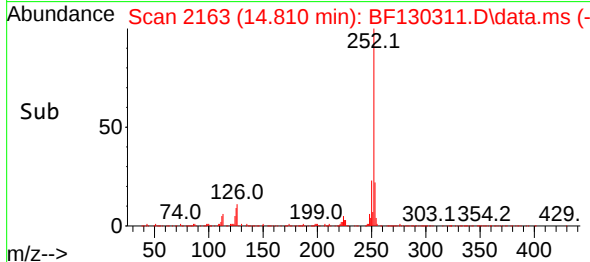
Instrument :
BNA_F
ClientSampleId :
SU-3-091522



Tgt Ion:252 Resp: 187239
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.5 8.1 12.1

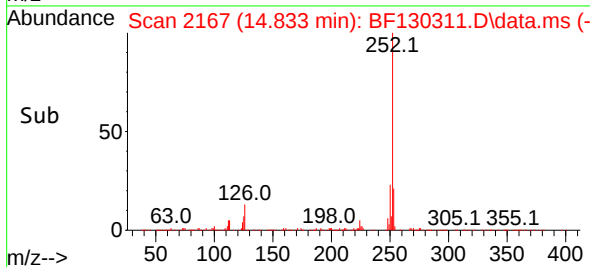
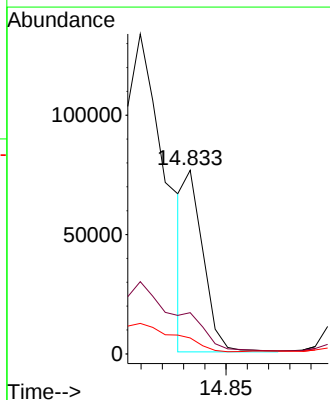
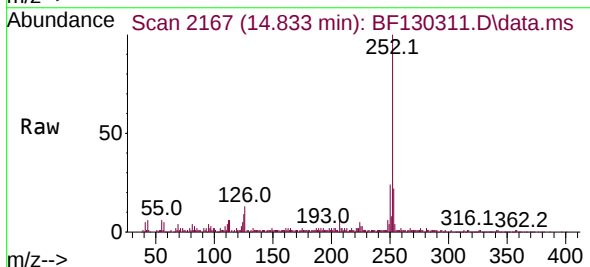
Manual Integrations
APPROVED

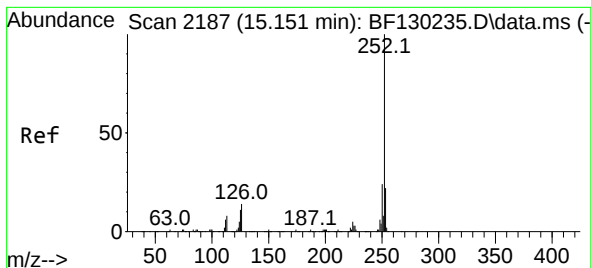
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#89
Benzo(k)fluoranthene
Concen: 4.679 ng m
RT: 14.833 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:252 Resp: 46637
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.7 7.9 11.9





#90

Benzo(a)pyrene

Concen: 14.426 ng

RT: 15.139 min Scan# 2187

Delta R.T. 0.000 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

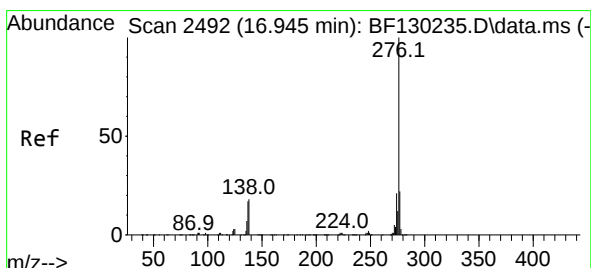
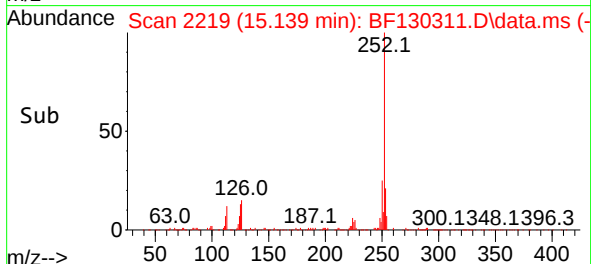
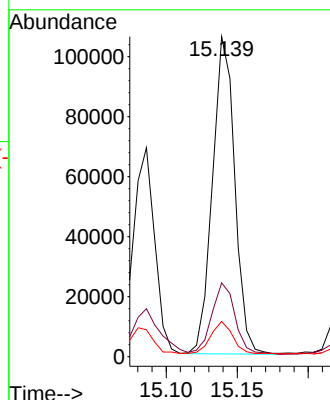
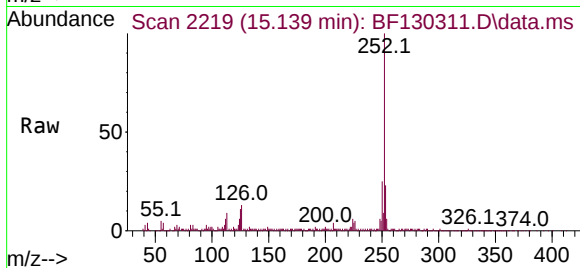
SU-3-091522

Tgt Ion:252 Resp: 115794
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 11.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022



#92

Benzo(g,h,i)perylene

Concen: 5.566 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Tgt Ion:276 Resp: 50634
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 27.8
 138 19.5 14.6 21.8

