

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130328.D
 Acq On : 19 Sep 2022 19:16
 Operator : CG\JU
 Sample : N4665-02DL2 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022

Quant Time: Sep 20 02:27:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	90171	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	331258	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	150263	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	201919	20.000	ng	0.00
76) Chrysene-d12	13.798	240	174096	20.000	ng	0.00
86) Perylene-d12	15.186	264	209372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.245	112	3853	0.741	ng	-0.01
7) Phenol-d6	6.286	99	4984	0.766	ng	-0.01
23) Nitrobenzene-d5	7.222	82	2746	0.424	ng	-0.01
42) 2,4,6-Tribromophenol	10.474	330	793	0.551	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	5635	0.546	ng	0.00
79) Terphenyl-d14	12.751	244	12396	1.179	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.969	128	1754418	102.802	ng	99
37) 2-Methylnaphthalene	8.657	142	828444	76.136	ng	99
38) 1-Methylnaphthalene	8.751	142	534724	51.156	ng	99
46) 1,1'-Biphenyl	9.116	154	106516	9.491	ng	97
49) Acenaphthylene	9.551	152	134839	9.906	ng	# 94
52) Acenaphthene	9.722	154	47135	5.271	ng	98
55) Dibenzofuran	9.892	168	41468	3.334	ng	# 80
58) Fluorene	10.233	166	232867	22.891	ng	99
71) Phenanthrene	11.198	178	893471	78.813	ng	99
72) Anthracene	11.245	178	161823	14.792	ng	98
75) Fluoranthene	12.374	202	283542	25.884	ng	97
78) Pyrene	12.604	202	480252	31.533	ng	99
81) Benzo(a)anthracene	13.786	228	224610m	19.394	ng	
83) Chrysene	13.821	228	202079	18.376	ng	98
87) Indeno(1,2,3-cd)pyrene	16.498	276	60705	4.089	ng	96
88) Benzo(b)fluoranthene	14.798	252	167508m	12.258	ng	
89) Benzo(k)fluoranthene	14.821	252	39682m	2.952	ng	
90) Benzo(a)pyrene	15.127	252	182082	16.818	ng	98
92) Benzo(g,h,i)perylene	16.892	276	63987	5.215	ng	97

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

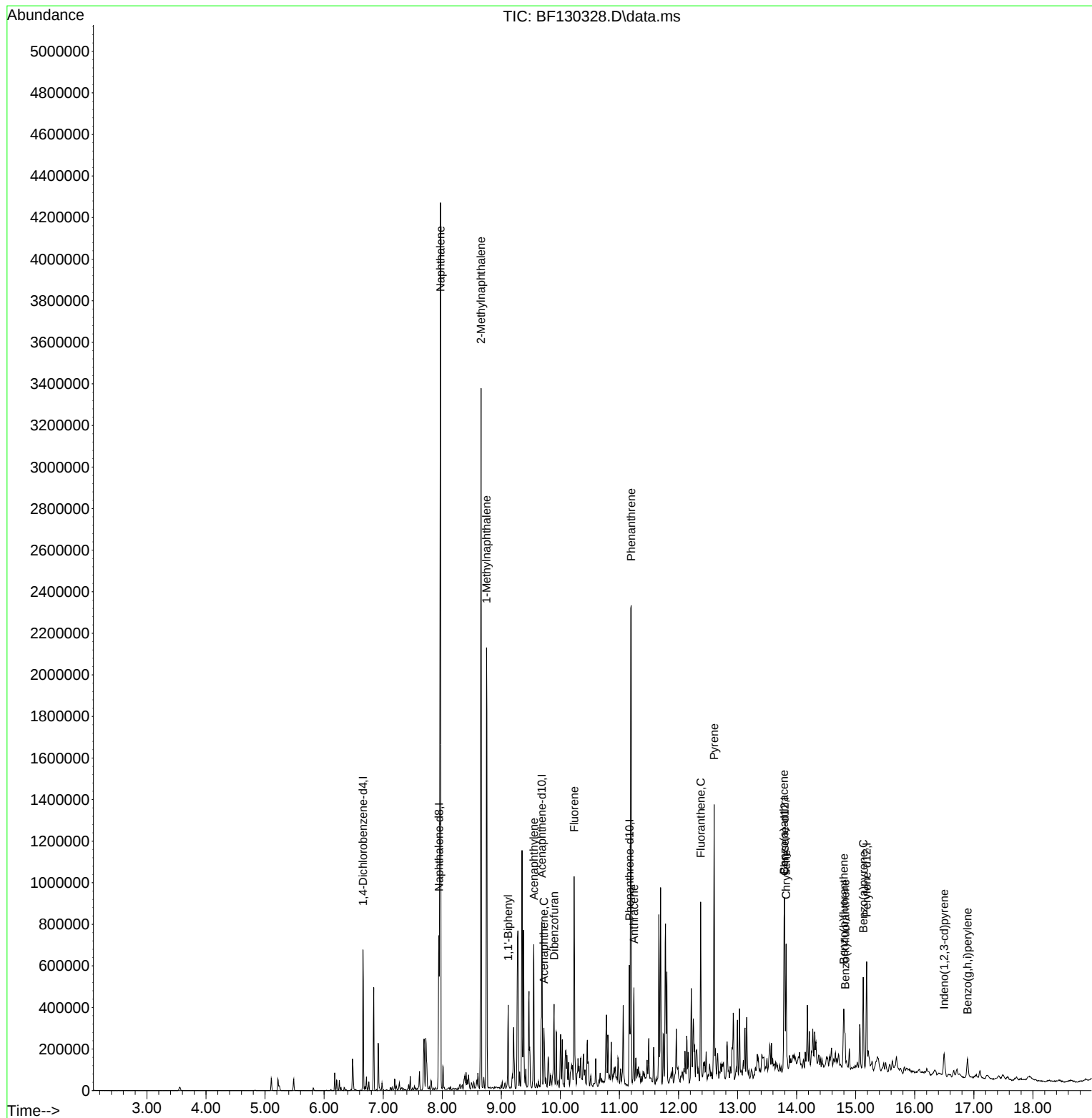
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
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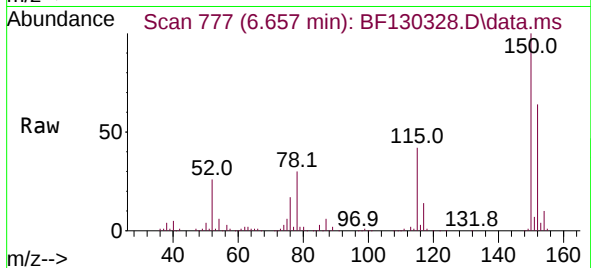
Quant Time: Sep 20 02:27:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

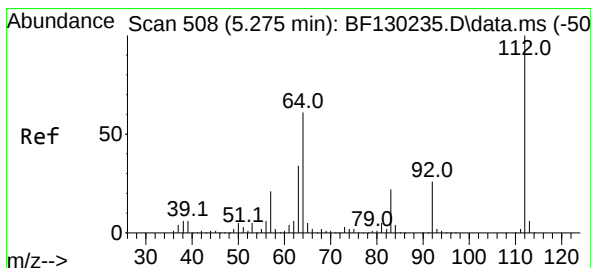
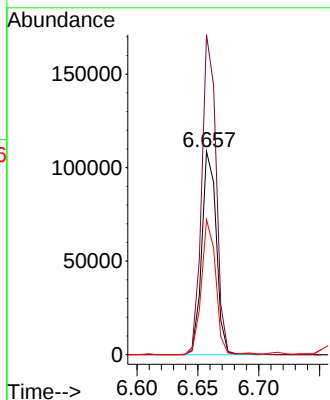
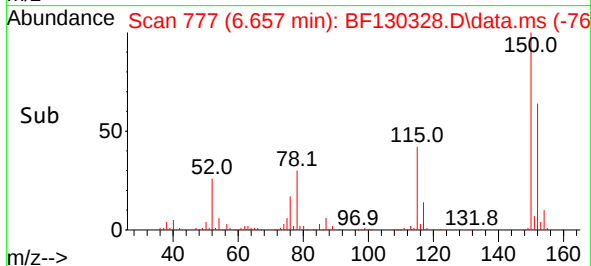
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2



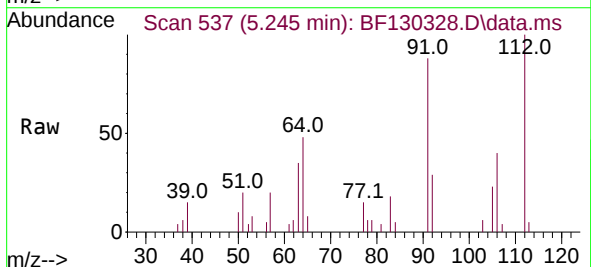
Tgt Ion:152 Resp: 9017
Ion Ratio Lower Upper
152 100
150 157.4 122.8 184.2
115 66.4 53.8 80.8

Manual Integrations
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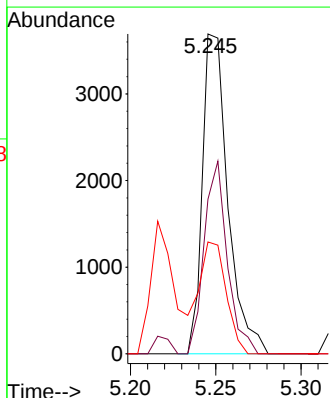
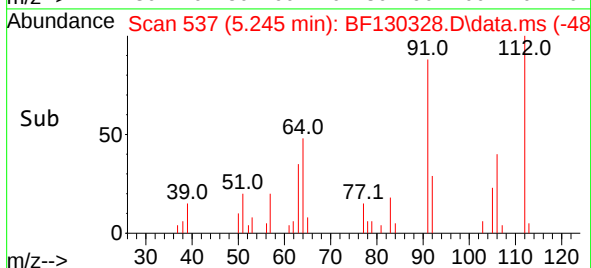
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

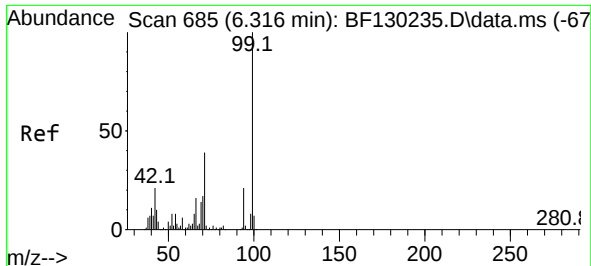


#5
2-Fluorophenol
Concen: 0.741 ng
RT: 5.245 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16



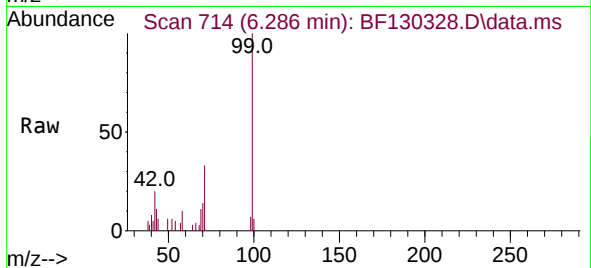
Tgt Ion:112 Resp: 3853
Ion Ratio Lower Upper
112 100
64 48.3 51.4 77.0#
63 35.0 28.8 43.2





#7
Phenol-d6
Concen: 0.766 ng
RT: 6.286 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

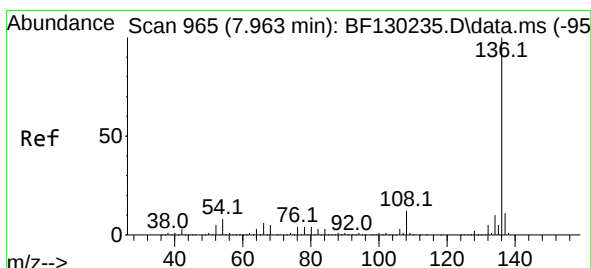
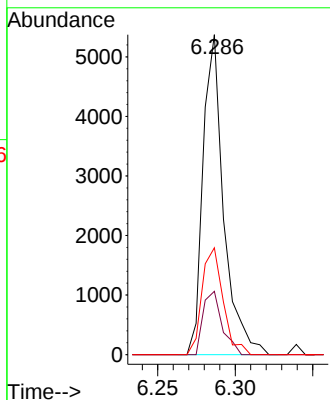
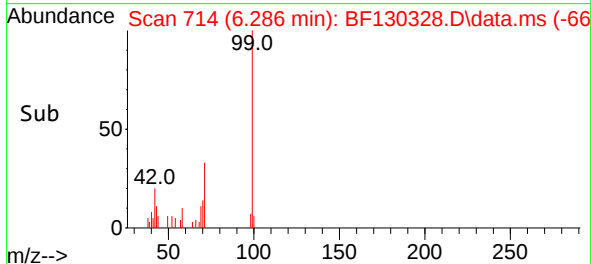
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 4984
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 33.4 32.3 48.5

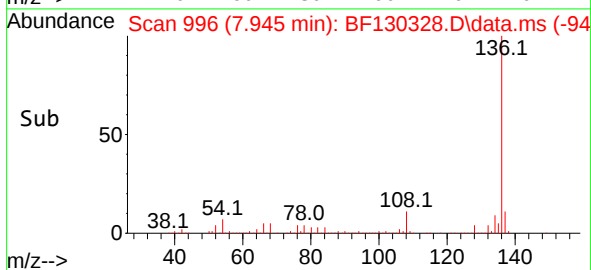
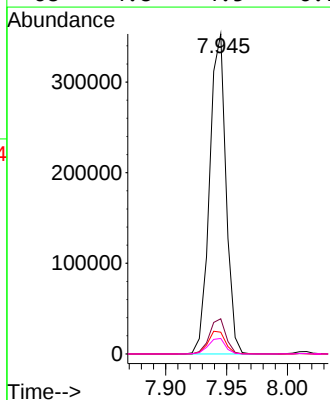
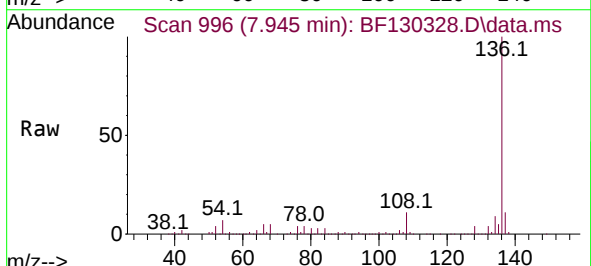
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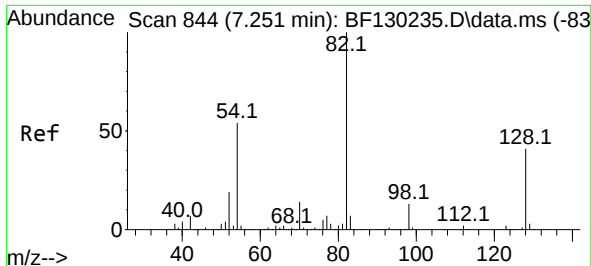
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:136 Resp: 331258
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.8 7.1 10.7#
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 0.424 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

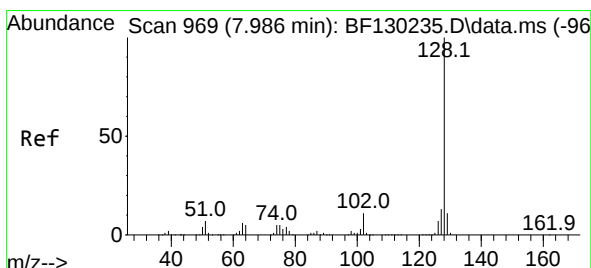
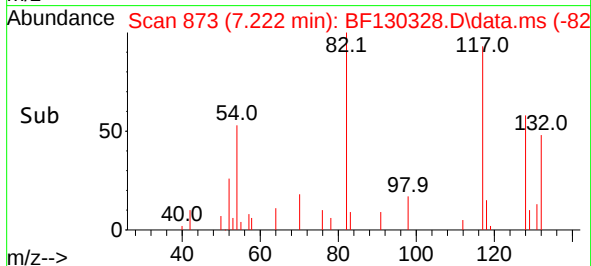
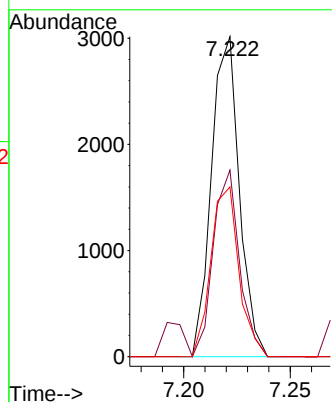
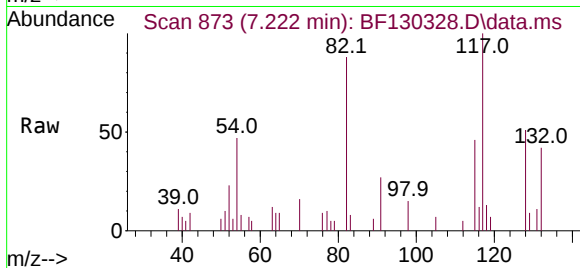
Tgt Ion: 82 Resp: 2746

Ion	Ratio	Lower	Upper
82	100		
128	58.3	32.6	49.0
54	53.0	43.8	65.6

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#31

Naphthalene

Concen: 102.802 ng

RT: 7.969 min Scan# 1000

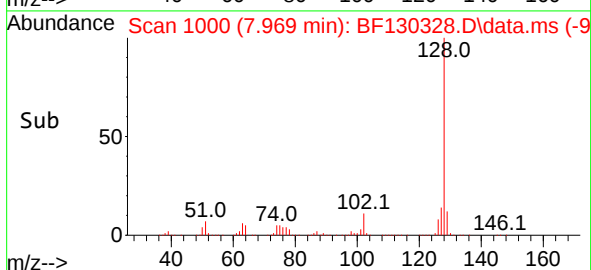
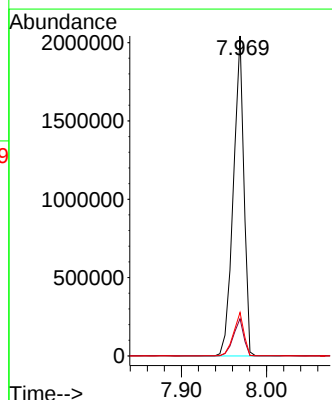
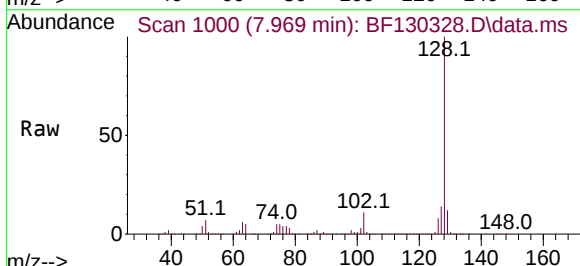
Delta R.T. -0.000 min

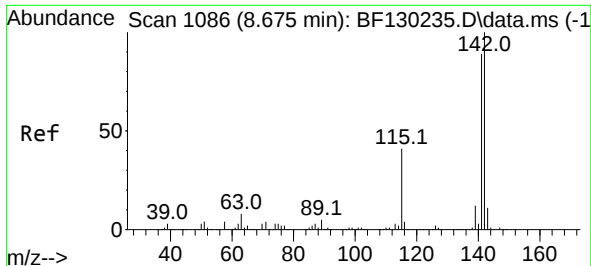
Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Tgt Ion:128 Resp: 1754418

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.6	10.6	16.0





#37

2-Methylnaphthalene

Concen: 76.136 ng

RT: 8.657 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

Tgt Ion:142 Resp: 828444

Ion Ratio Lower Upper

142 100

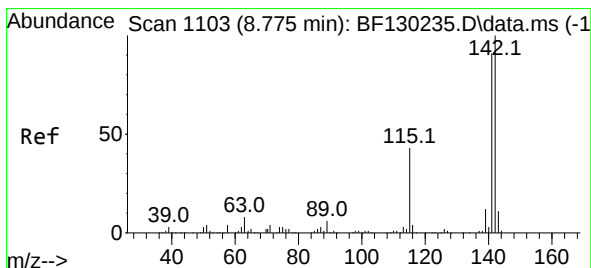
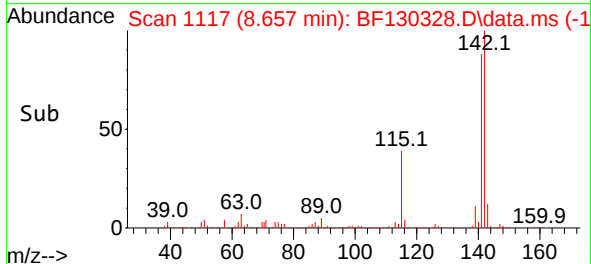
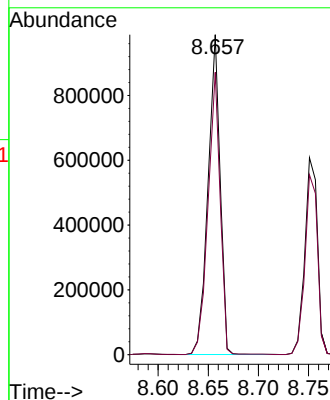
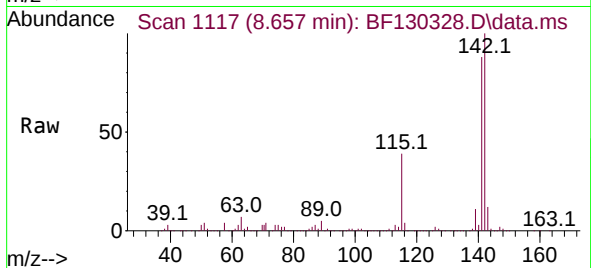
141 88.2 70.0 105.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/20/2022



#38

1-Methylnaphthalene

Concen: 51.156 ng

RT: 8.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF130328.D

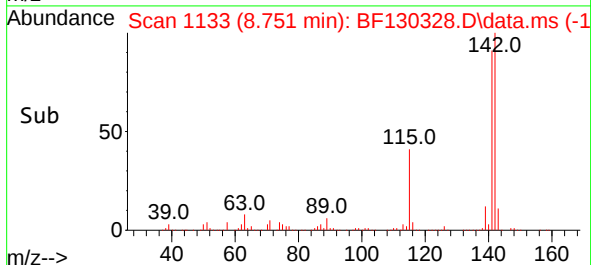
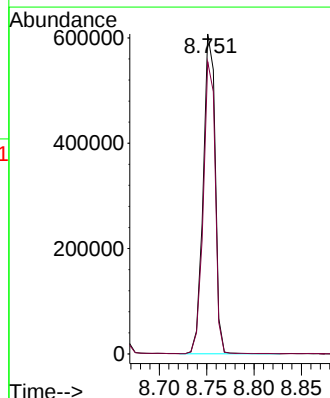
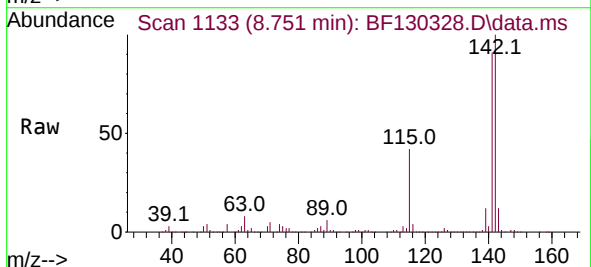
Acq: 19 Sep 2022 19:16

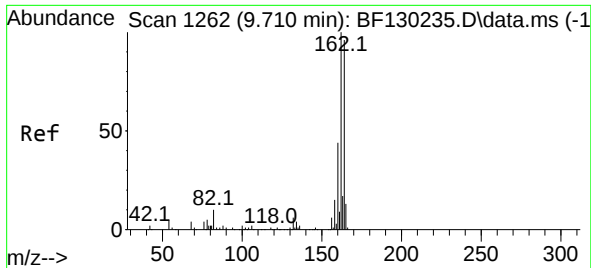
Tgt Ion:142 Resp: 534724

Ion Ratio Lower Upper

142 100

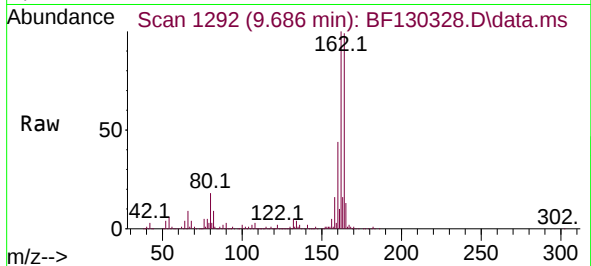
141 91.3 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

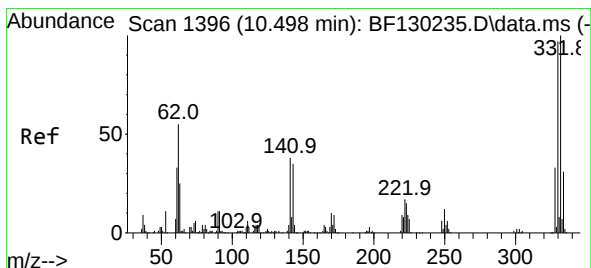
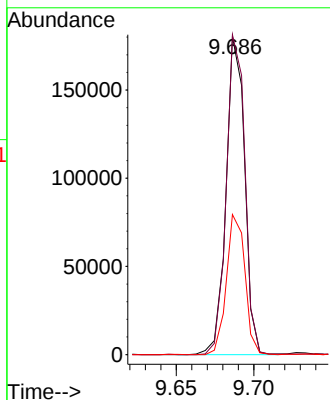
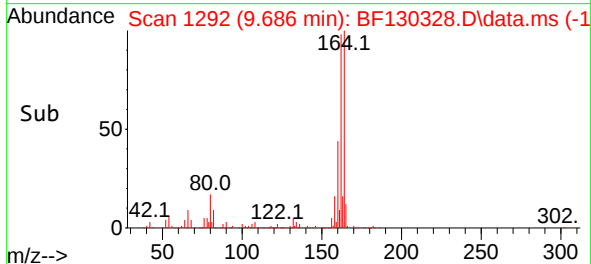
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2



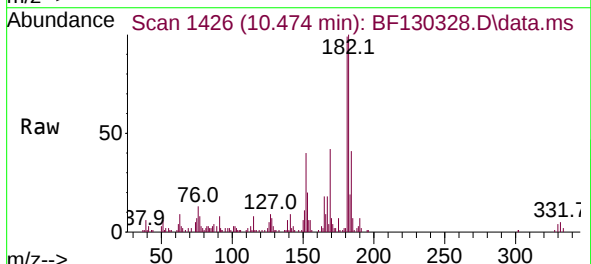
Tgt Ion:164 Resp: 150263
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.0
160 44.1 36.2 54.4

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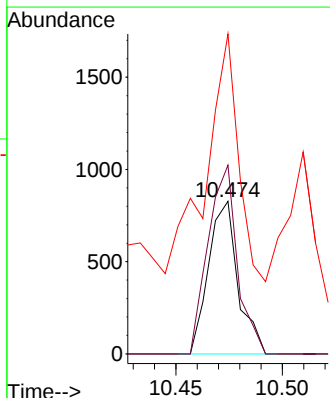
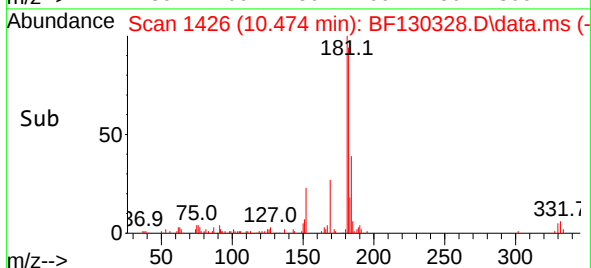
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

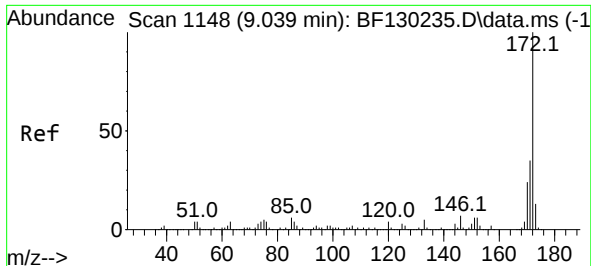


#42
2,4,6-Tribromophenol
Concen: 0.551 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16



Tgt Ion:330 Resp: 793
Ion Ratio Lower Upper
330 100
332 123.0 83.4 125.2
141 178.1 34.0 51.0#





#45

2-Fluorobiphenyl

Concen: 0.546 ng

RT: 9.016 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

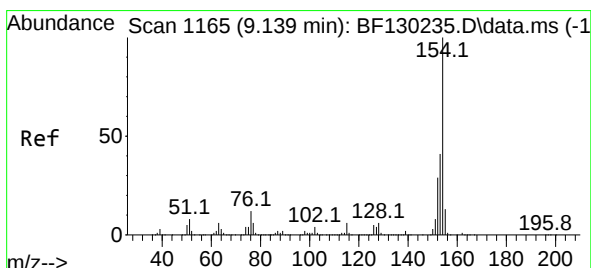
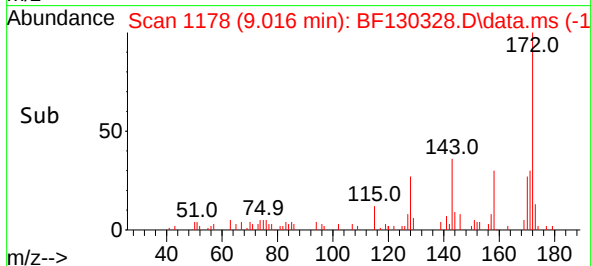
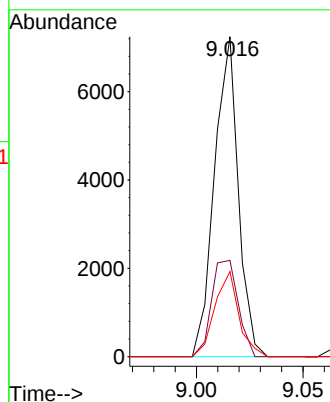
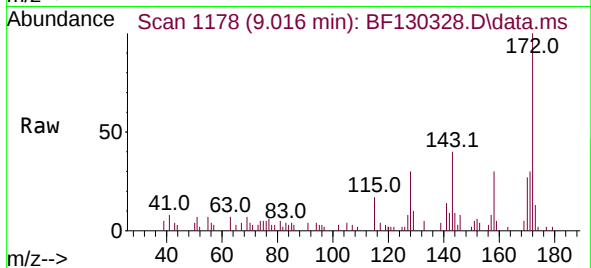
COMP-2DL2

Tgt Ion:	172	Resp:	563
Ion Ratio	Lower	Upper	
172	100		
171	30.1	28.3	42.5
170	26.6	18.7	28.1

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#46

1,1'-Biphenyl

Concen: 9.491 ng

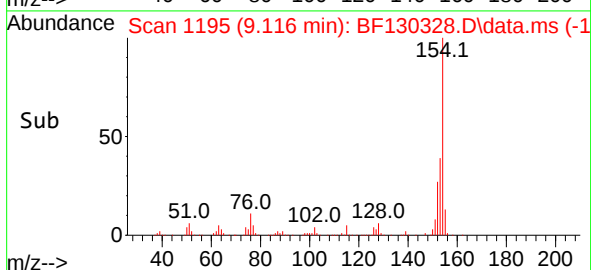
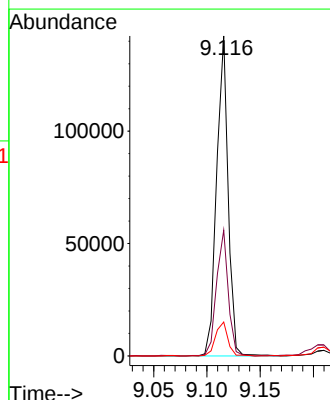
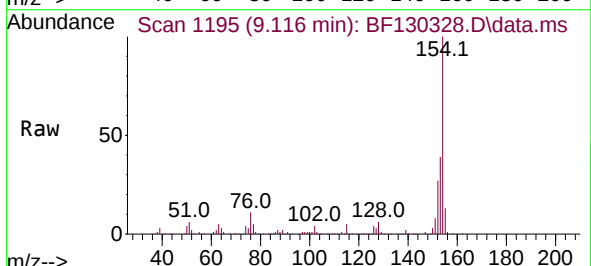
RT: 9.116 min Scan# 1195

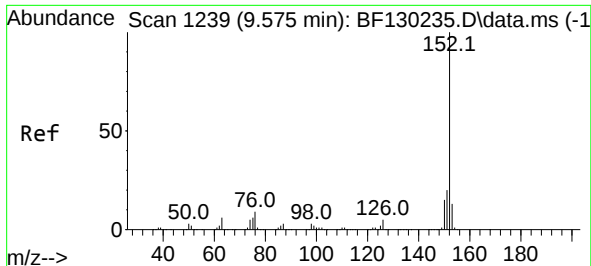
Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Tgt Ion:	154	Resp:	106516
Ion Ratio	Lower	Upper	
154	100		
153	39.3	20.0	60.0
76	10.6	0.0	33.3





#49

Acenaphthylene

Concen: 9.906 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

Tgt Ion:152 Resp: 134839

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.2

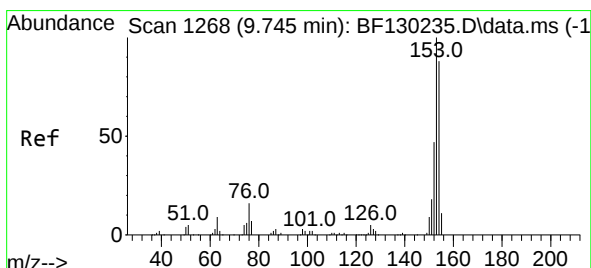
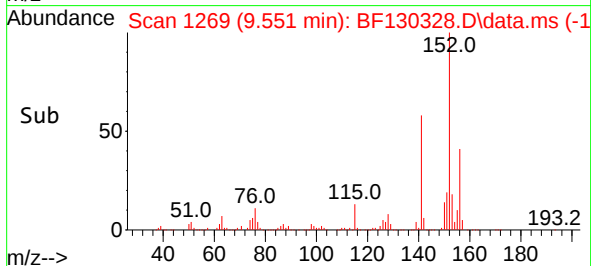
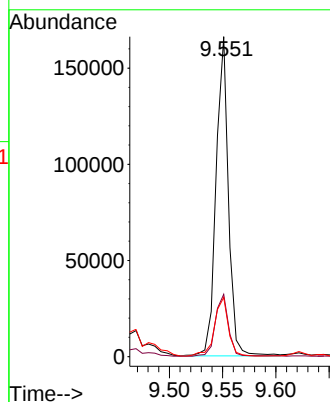
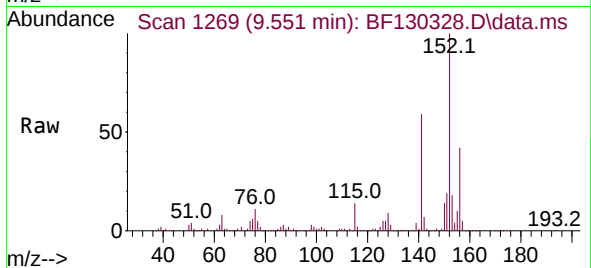
153 18.5 10.6 15.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/20/2022



#52

Acenaphthene

Concen: 5.271 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

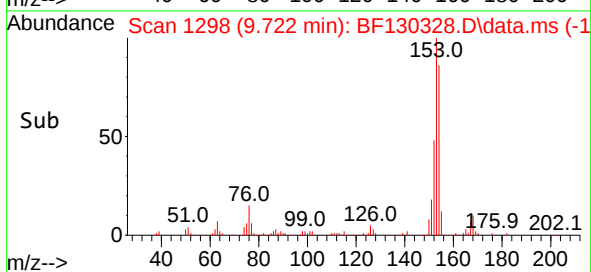
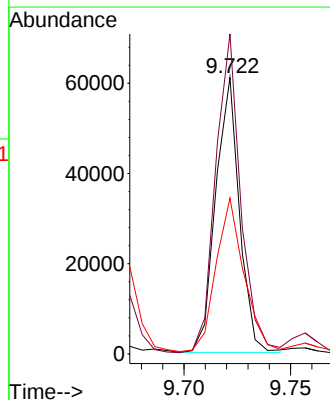
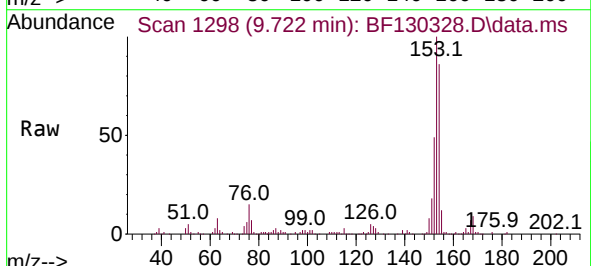
Tgt Ion:154 Resp: 47135

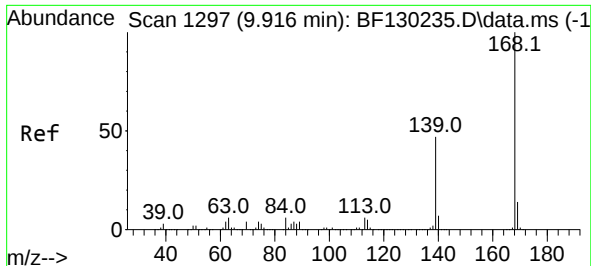
Ion Ratio Lower Upper

154 100

153 115.8 90.6 136.0

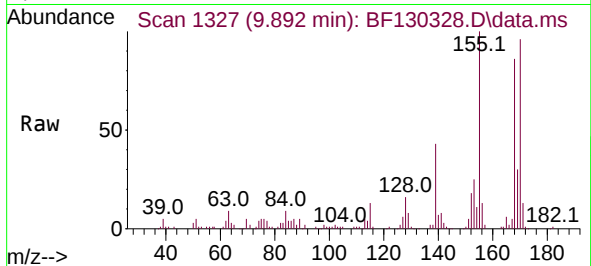
152 56.4 43.8 65.6





#55
Dibenzenofuran
Concen: 3.334 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

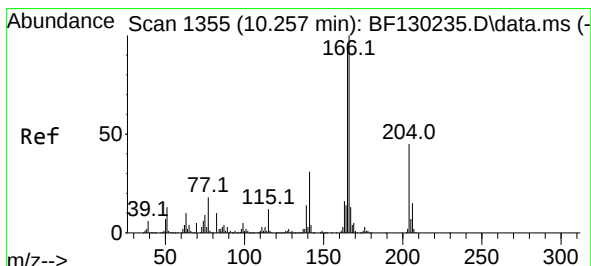
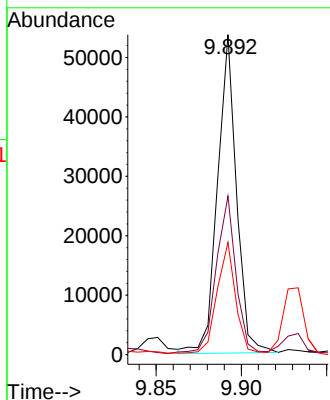
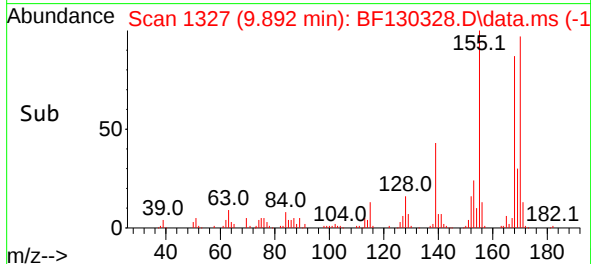
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2



Tgt Ion:168 Resp: 41468
Ion Ratio Lower Upper
168 100
139 49.5 35.0 52.4
169 35.1 10.9 16.3

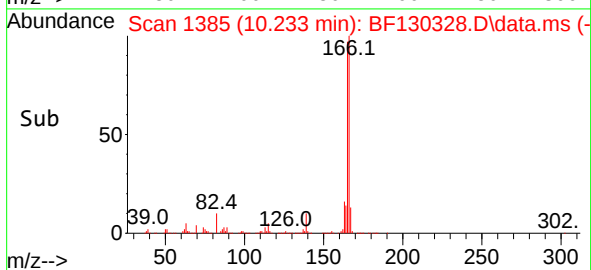
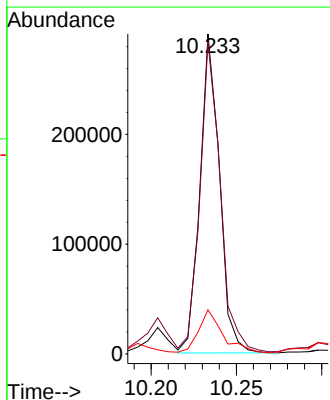
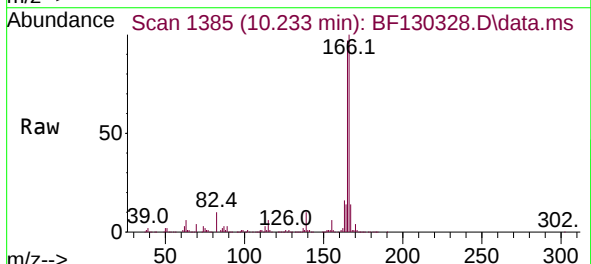
Manual Integrations
APPROVED

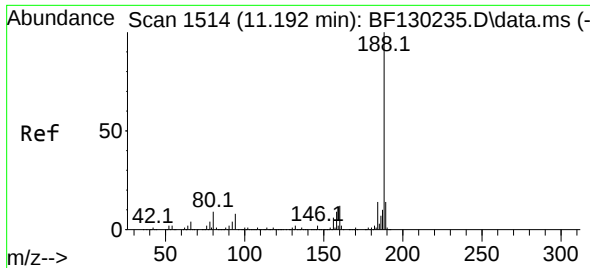
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#58
Fluorene
Concen: 22.891 ng
RT: 10.233 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:166 Resp: 232867
Ion Ratio Lower Upper
166 100
165 97.5 78.8 118.2
167 13.8 10.6 15.8





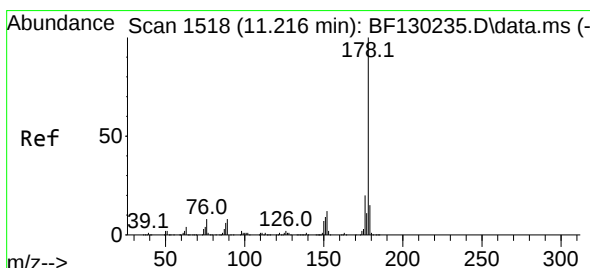
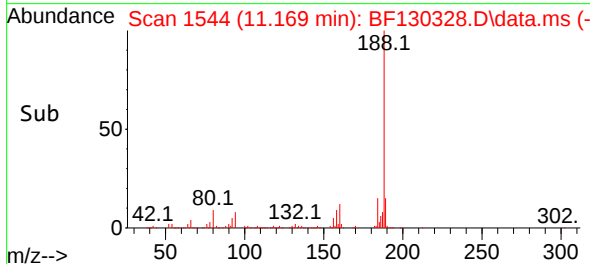
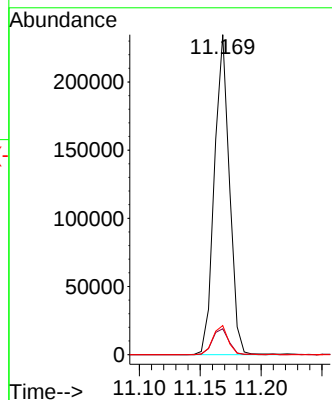
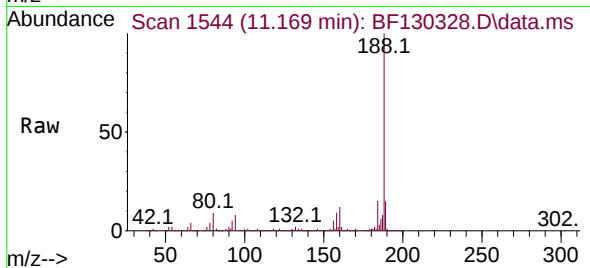
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

Tgt Ion:188 Resp: 201919
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 9.1 7.9 11.9

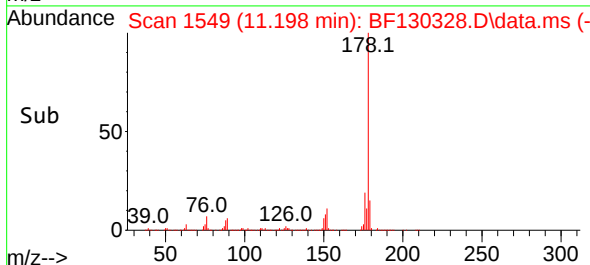
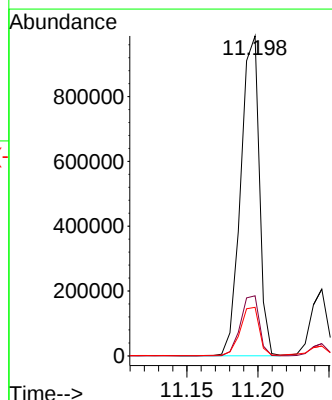
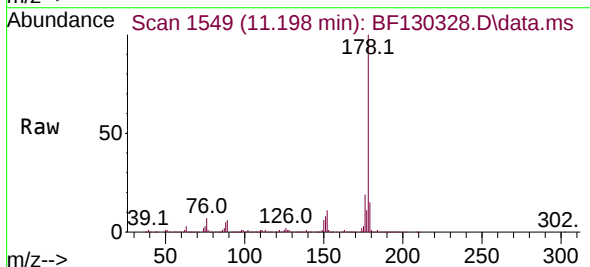
Manual Integrations
APPROVED

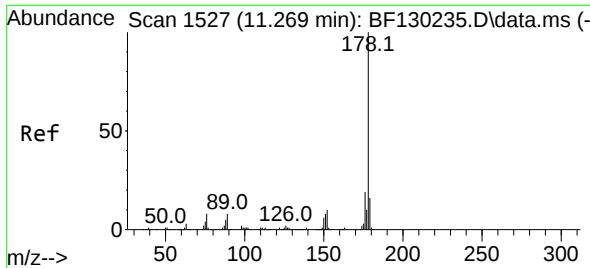
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#71
Phenanthrene
Concen: 78.813 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

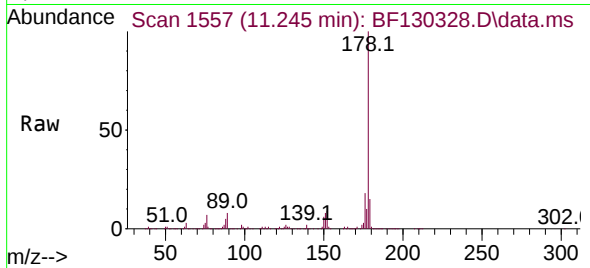
Tgt Ion:178 Resp: 893471
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 14.792 ng
 RT: 11.245 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

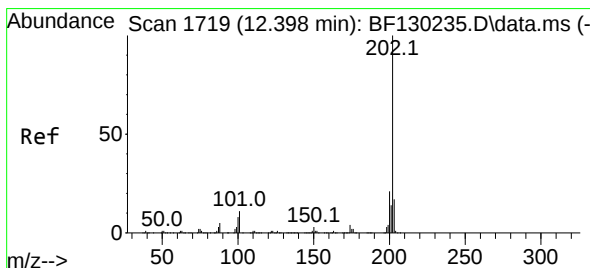
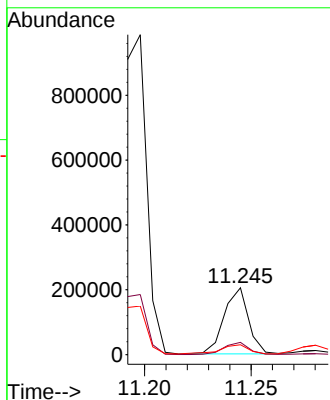
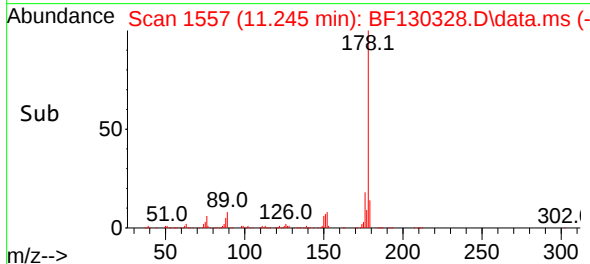
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL2



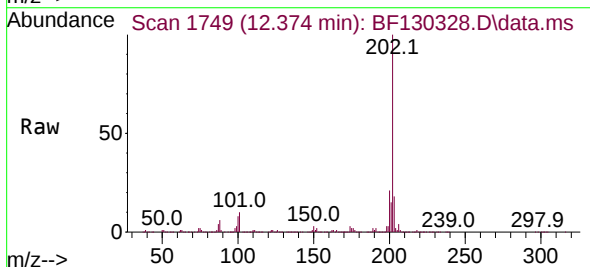
Tgt Ion:178 Resp: 161823
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 14.8 12.7 19.1

Manual Integrations
 APPROVED

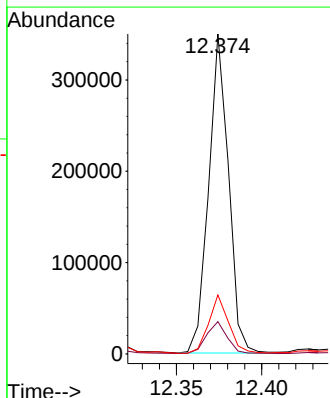
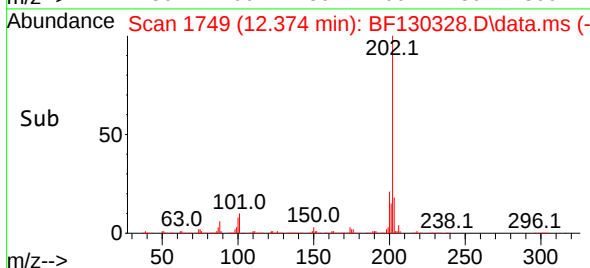
Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/20/2022

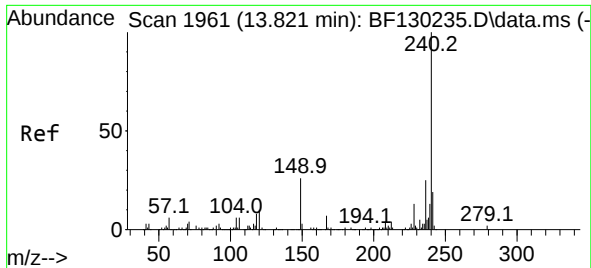


#75
 Fluoranthene
 Concen: 25.884 ng
 RT: 12.374 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16



Tgt Ion:202 Resp: 283542
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.8
 203 18.4 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

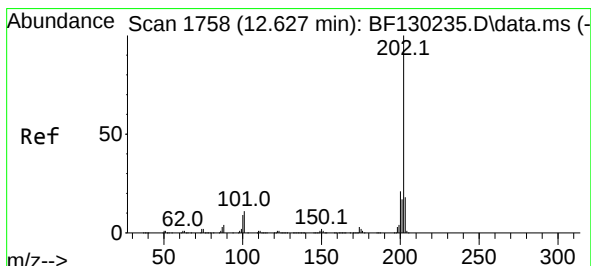
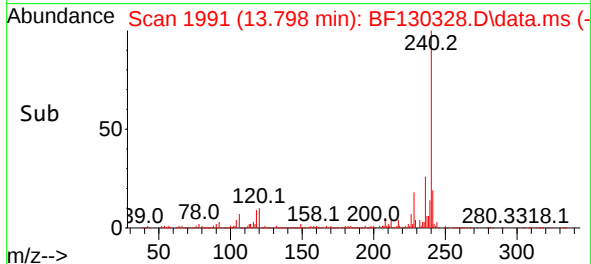
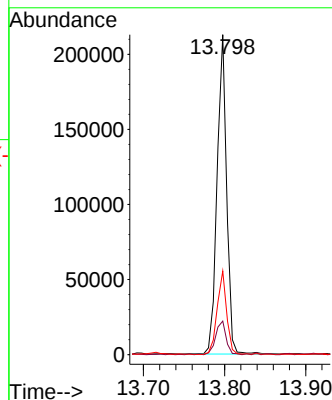
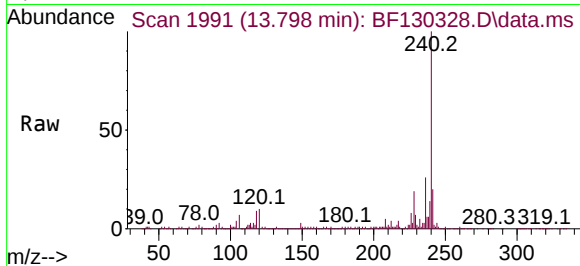
COMP-2DL2

Tgt Ion:240 Resp: 174096
Ion Ratio Lower Upper
240 100
120 10.5 8.7 13.1
236 26.1 20.9 31.3

Manual Integrations

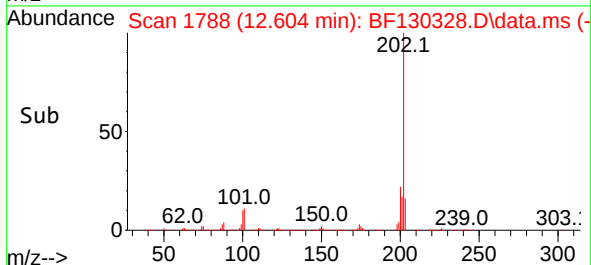
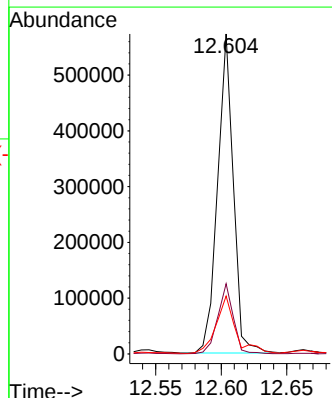
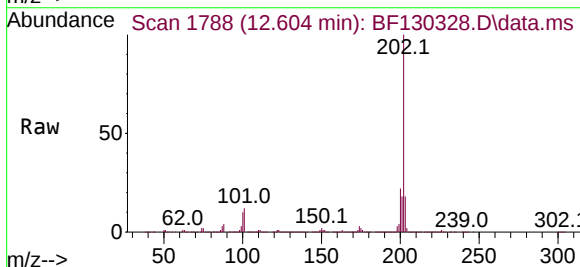
APPROVED

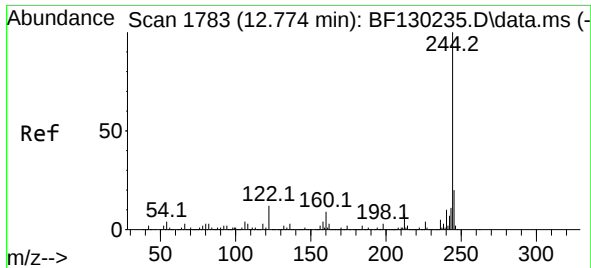
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#78
Pyrene
Concen: 31.533 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:202 Resp: 480252
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 18.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 1.179 ng
 RT: 12.751 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

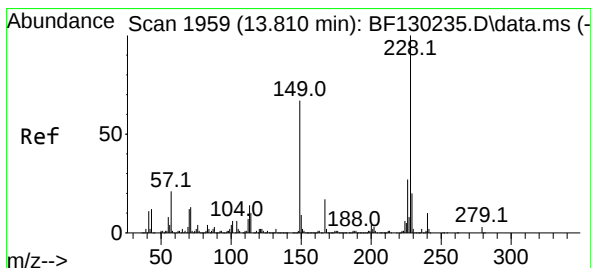
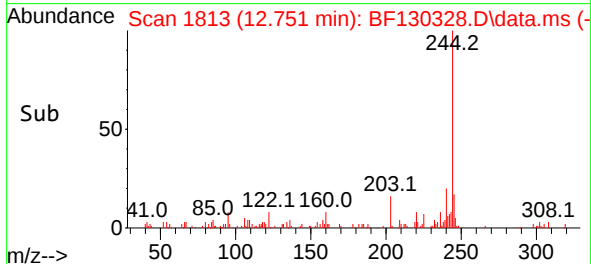
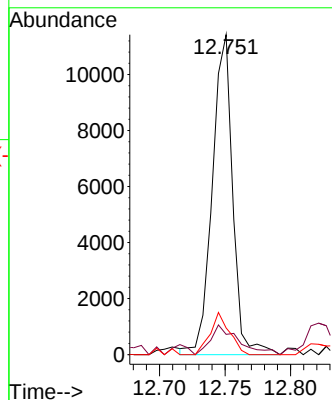
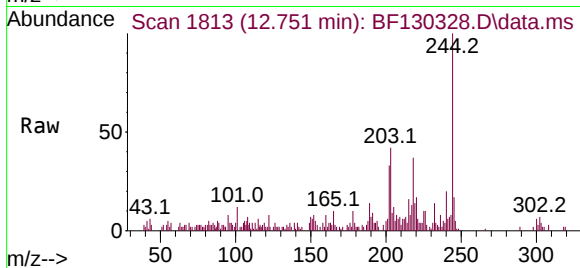
COMP-2DL2

Tgt Ion:244 Resp: 12396
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.9 8.9
 122 8.3 8.5 12.7

Manual Integrations

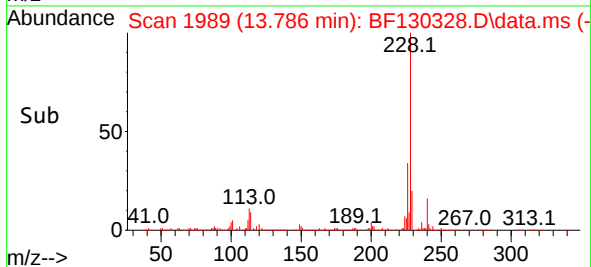
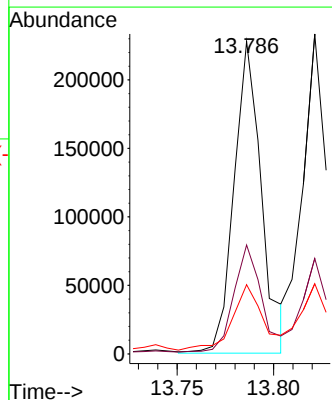
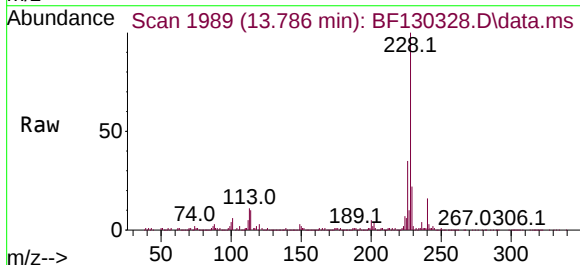
APPROVED

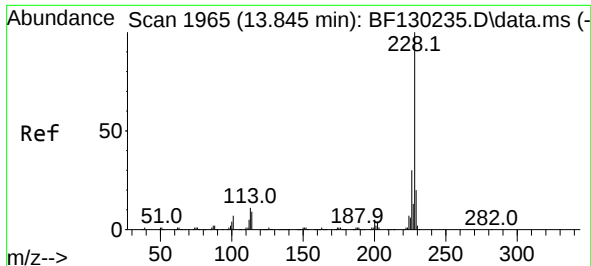
Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/20/2022



#81
 Benzo(a)anthracene
 Concen: 19.394 ng m
 RT: 13.786 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

Tgt Ion:228 Resp: 224610
 Ion Ratio Lower Upper
 228 100
 226 34.8 21.9 32.9#
 229 22.2 16.1 24.1





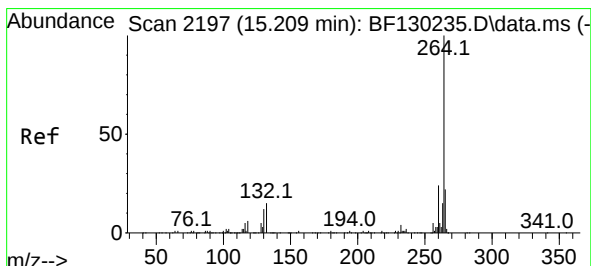
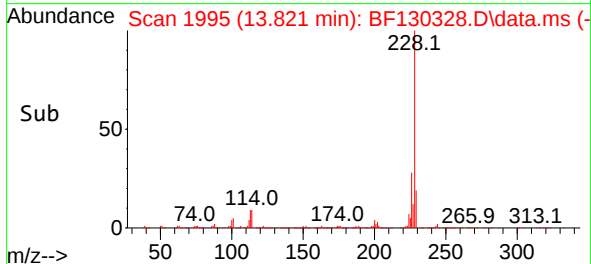
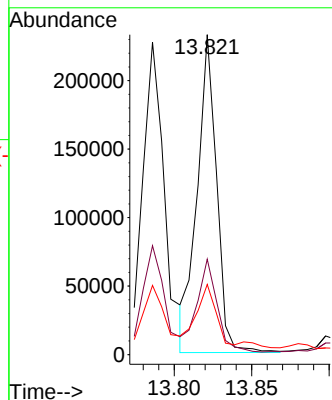
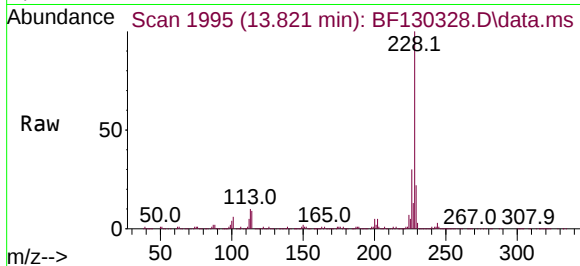
#83
Chrysene
Concen: 18.376 ng
RT: 13.821 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

Tgt Ion:228 Resp: 202079
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 21.9 15.3 22.9

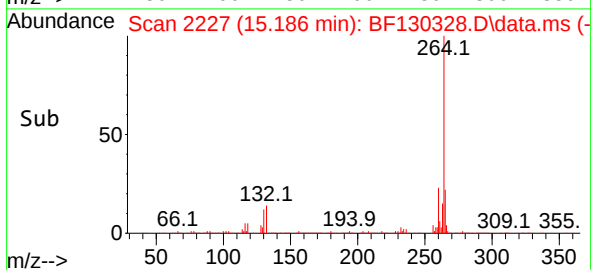
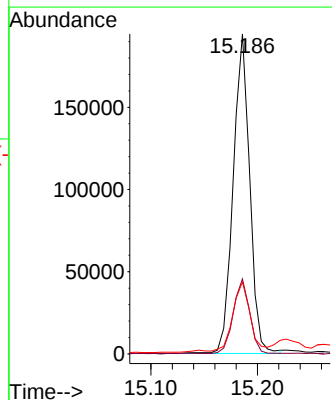
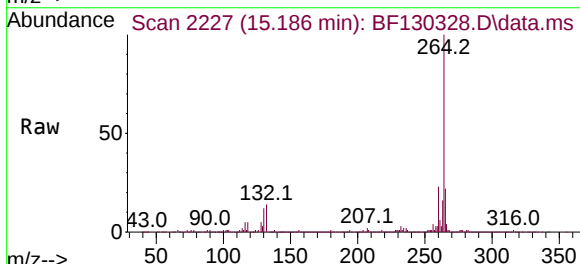
Manual Integrations
APPROVED

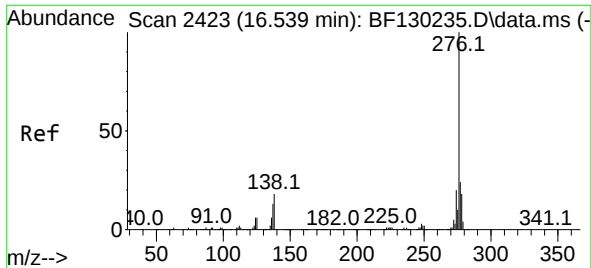
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.186 min Scan# 2227
Delta R.T. -0.000 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

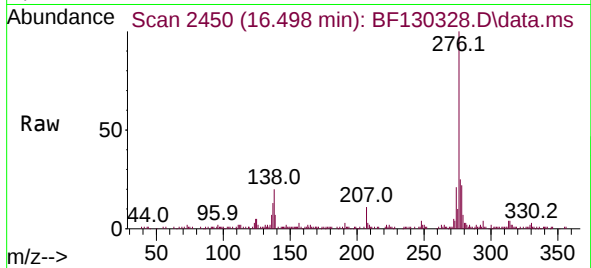
Tgt Ion:264 Resp: 209372
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.5 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.089 ng
 RT: 16.498 min Scan# 2423
 Delta R.T. -0.012 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

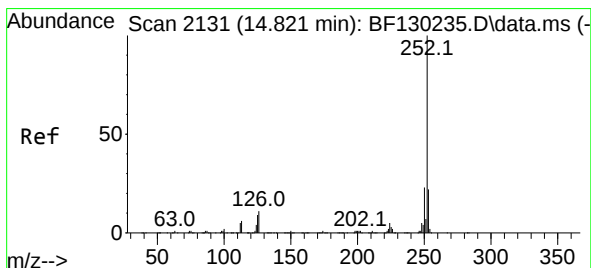
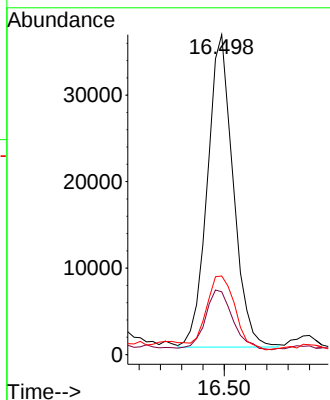
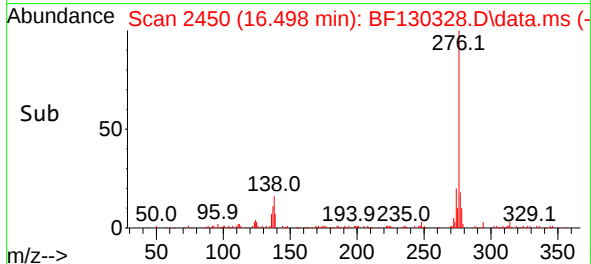
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL2



Tgt Ion: 276 Resp: 60705
 Ion Ratio Lower Upper
 276 100
 138 20.4 18.5 27.7
 277 26.5 20.2 30.4

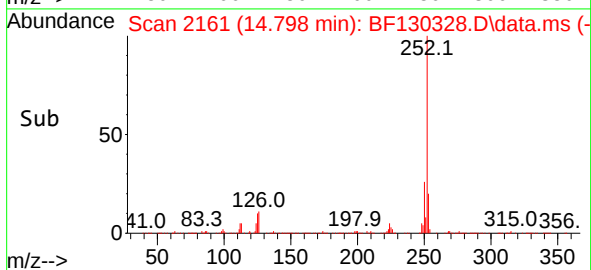
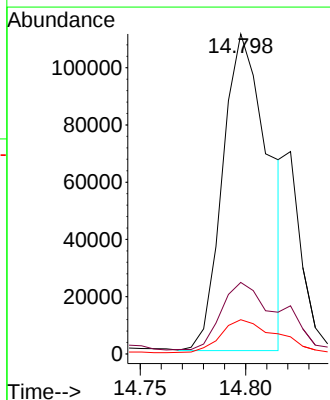
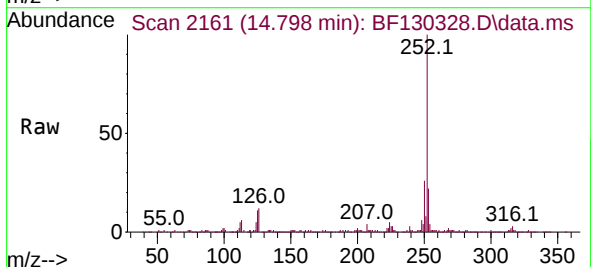
Manual Integrations
 APPROVED

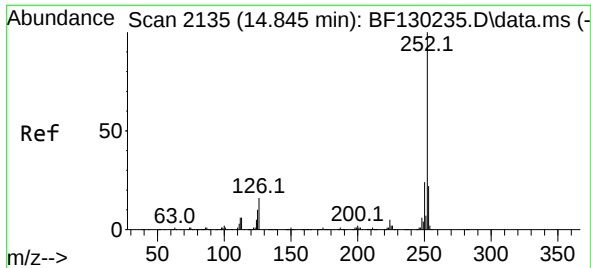
Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022



#88
 Benzo(b)fluoranthene
 Concen: 12.258 ng m
 RT: 14.798 min Scan# 2161
 Delta R.T. -0.000 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

Tgt Ion: 252 Resp: 167508
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 10.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 2.952 ng m

RT: 14.821 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

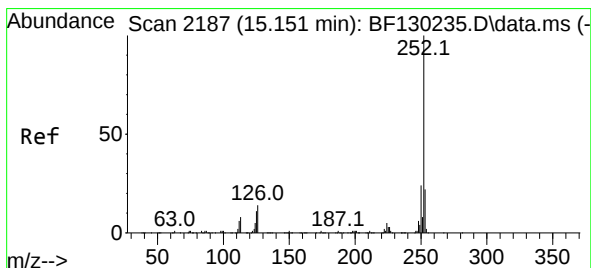
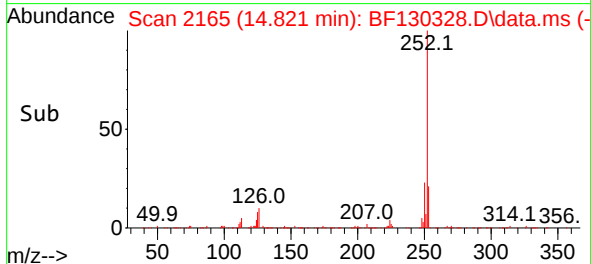
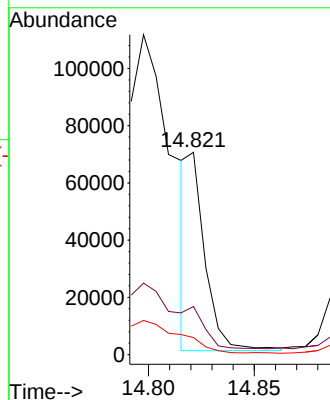
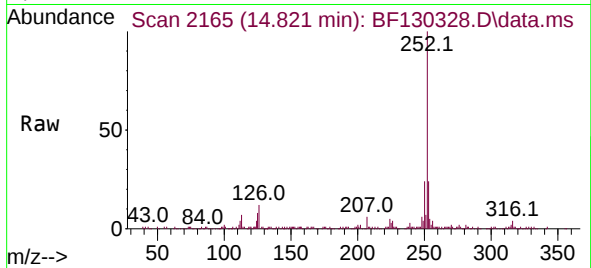
Tgt Ion:252 Resp: 39682
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.4 26.2
 125 8.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/20/2022



#90

Benzo(a)pyrene

Concen: 16.818 ng

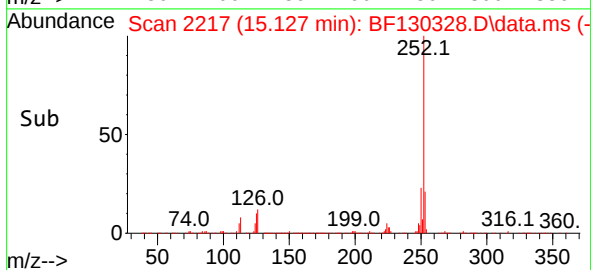
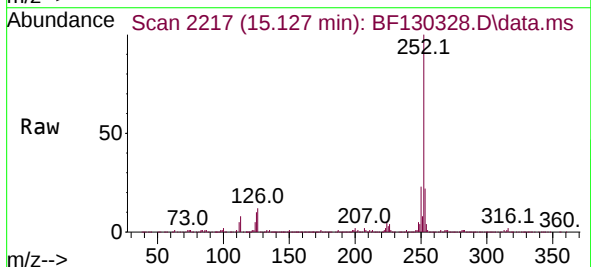
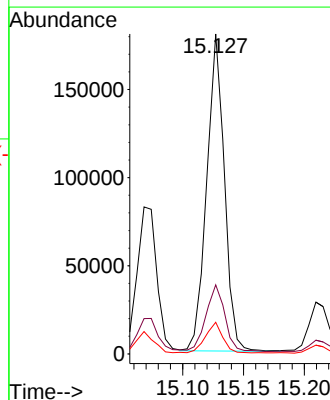
RT: 15.127 min Scan# 2217

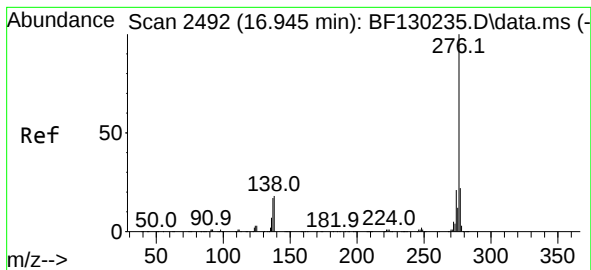
Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Tgt Ion:252 Resp: 182082
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.8 26.6
 125 9.9 9.0 13.6





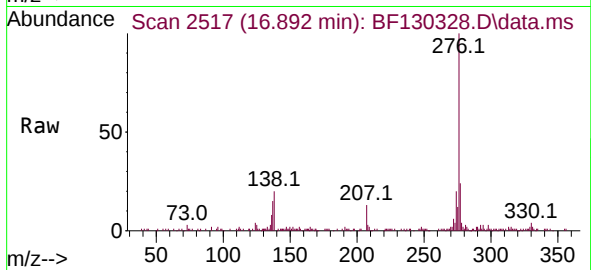
#92
 Benzo(g,h,i)perylene
 Concen: 5.215 ng
 RT: 16.892 min Scan# 2517
 Delta R.T. -0.018 min
 Lab File: BF130328.D
 Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2



Tgt Ion: 276 Resp: 6398
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 27.8
 138 19.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022

