

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
 Data File : BF130460.D
 Acq On : 28 Sep 2022 22:08
 Operator : CG\JU
 Sample : N4844-01DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092622DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/29/2022
 Supervised By : Jagrut Upadhyay 09/29/2022

Quant Time: Sep 29 02:18:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.645	152	118434	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	423229	20.000	ng	0.00
39) Acenaphthene-d10	9.681	164	192661	20.000	ng	0.00
64) Phenanthrene-d10	11.163	188	308485	20.000	ng	0.00
76) Chrysene-d12	13.792	240	202683	20.000	ng	0.00
86) Perylene-d12	15.186	264	150289	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	65437	9.583	ng	0.00
7) Phenol-d6	6.287	99	80714	9.447	ng	0.00
23) Nitrobenzene-d5	7.210	82	43939	5.304	ng	0.00
42) 2,4,6-Tribromophenol	10.469	330	15106	8.183	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	90714	6.856	ng	0.00
79) Terphenyl-d14	12.745	244	86632	7.080	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.951	128	140772	6.456	ng	98
37) 2-Methylnaphthalene	8.639	142	60691	4.366	ng	100
38) 1-Methylnaphthalene	8.739	142	50586	3.788	ng	97
52) Acenaphthene	9.710	154	37561	3.276	ng	99
55) Dibenzofuran	9.881	168	90741	5.689	ng	98
58) Fluorene	10.228	166	97713	7.491	ng	98
71) Phenanthrene	11.186	178	878342	50.714	ng	100
72) Anthracene	11.233	178	171220	10.244	ng	99
73) Carbazole	11.392	167	92046	6.102	ng	99
75) Fluoranthene	12.374	202	832681	49.754	ng	97
78) Pyrene	12.598	202	704109	39.711	ng	99
81) Benzo(a)anthracene	13.780	228	264588	19.623	ng	98
83) Chrysene	13.821	228	232506	18.161	ng	97
87) Indeno(1,2,3-cd)pyrene	16.504	276	81142m	7.614	ng	
88) Benzo(b)fluoranthene	14.798	252	208887m	21.295	ng	
89) Benzo(k)fluoranthene	14.815	252	73956m	7.664	ng	
90) Benzo(a)pyrene	15.127	252	149348	19.218	ng	97
91) Dibenzo(a,h)anthracene	16.509	278	22981	2.628	ng	# 85
92) Benzo(g,h,i)perylene	16.904	276	74383	8.446	ng	97

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

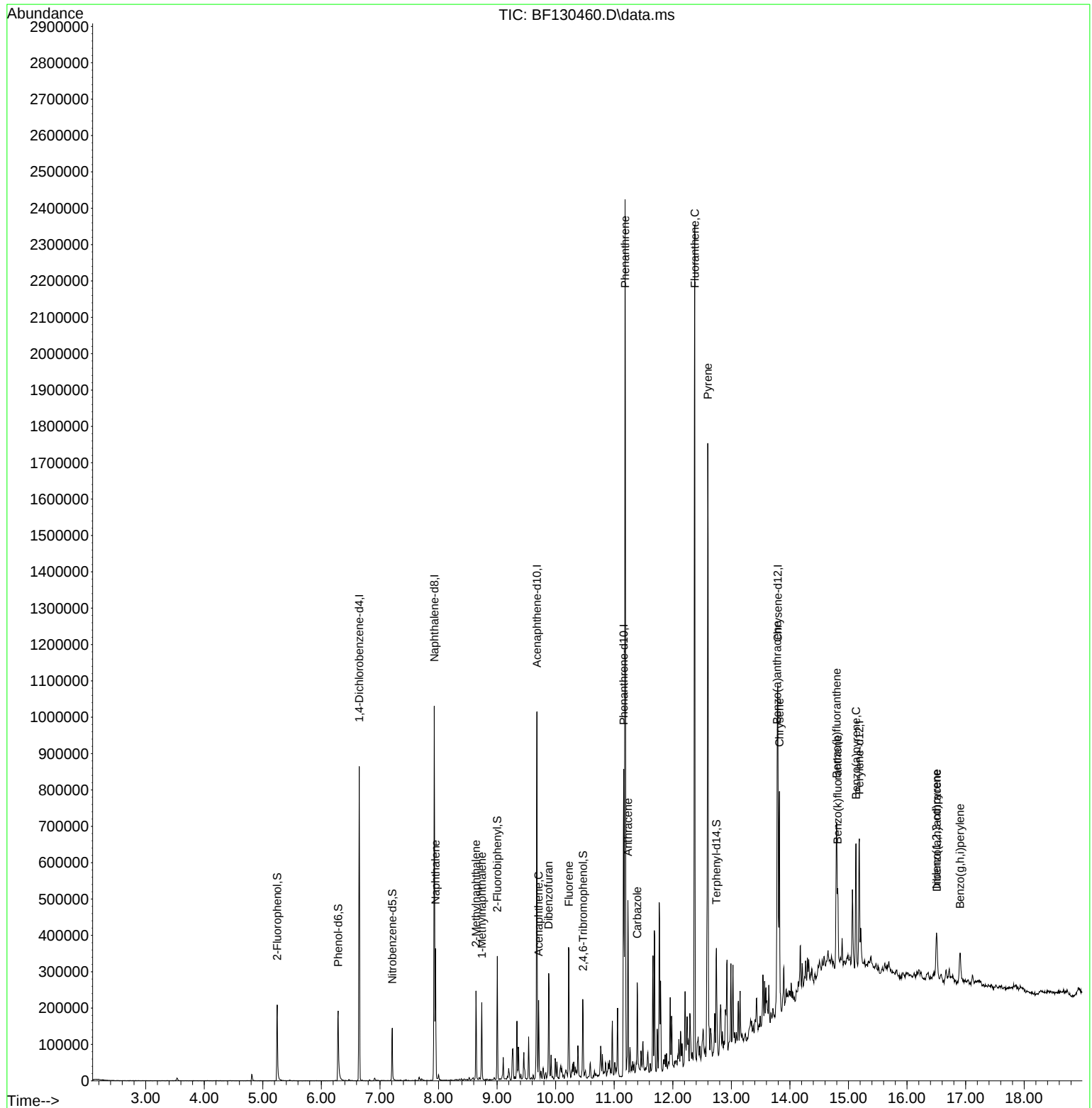
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130460.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

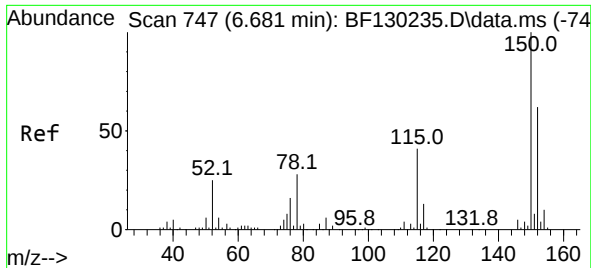
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL

Quant Time: Sep 29 02:18:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 02:59:31 2022
Response via : Initial Calibration

Manual Integrations
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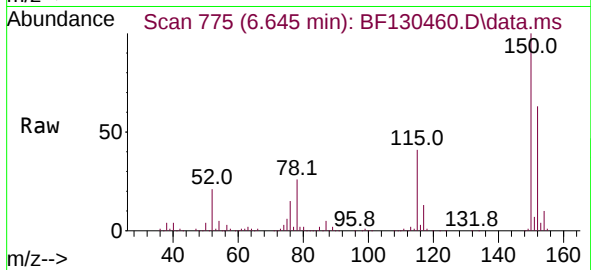
Reviewed By : Christian Giraldo 09/29/2022
Supervised By : Jagrut Upadhyay 09/29/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.645 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF130460.D
 Acq: 28 Sep 2022 22:08

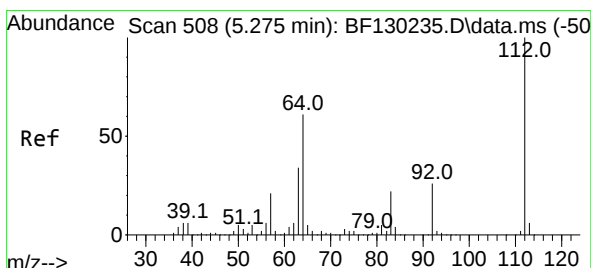
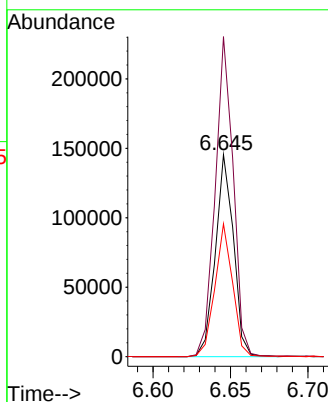
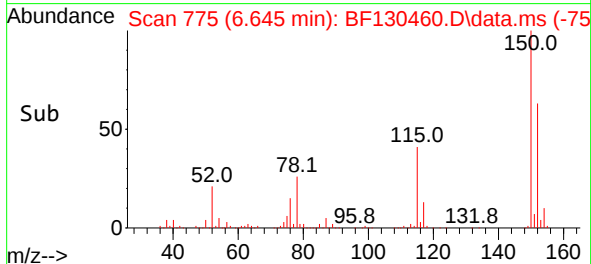
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092622DL



Tgt Ion:152 Resp: 118434
 Ion Ratio Lower Upper
 152 100
 150 158.4 122.8 184.2
 115 65.7 53.8 80.8

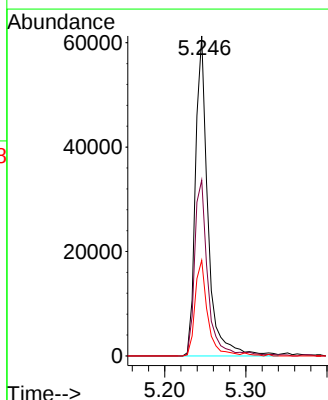
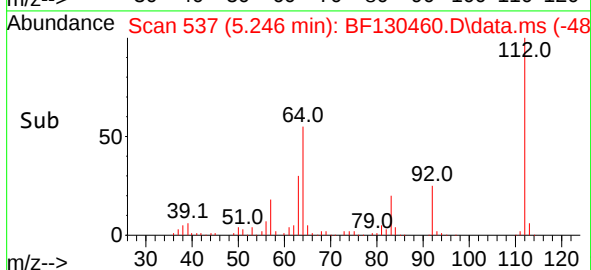
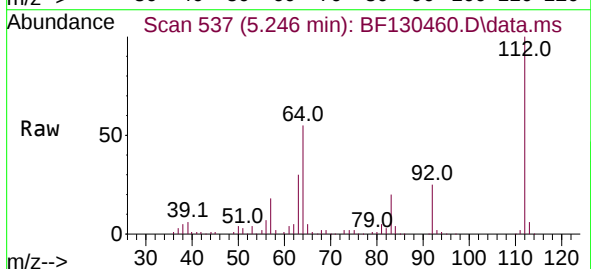
Manual Integrations
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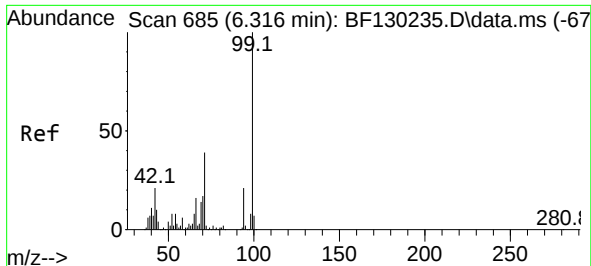
Reviewed By :Christian Giraldo 09/29/2022
 Supervised By :Jagrut Upadhyay 09/29/2022



#5
 2-Fluorophenol
 Concen: 9.583 ng
 RT: 5.246 min Scan# 537
 Delta R.T. 0.000 min
 Lab File: BF130460.D
 Acq: 28 Sep 2022 22:08

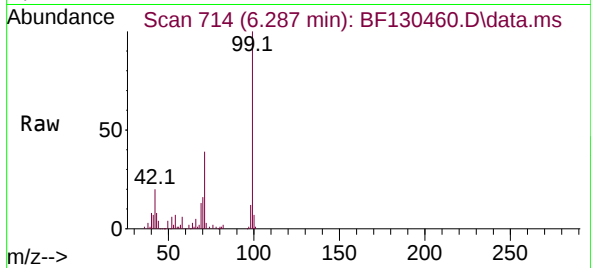
Tgt Ion:112 Resp: 65437
 Ion Ratio Lower Upper
 112 100
 64 54.9 51.4 77.0
 63 29.9 28.8 43.2





#7
Phenol-d6
Concen: 9.447 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

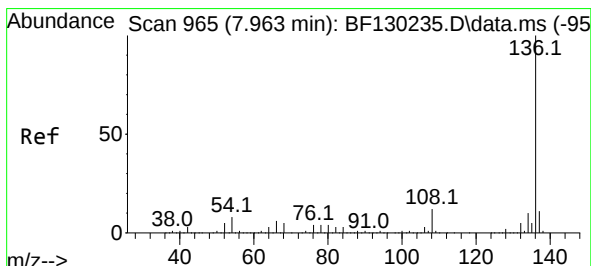
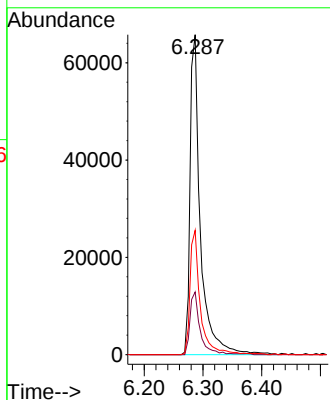
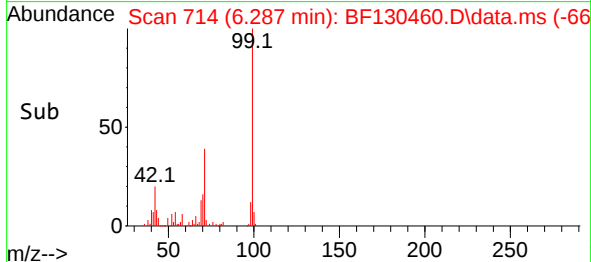
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



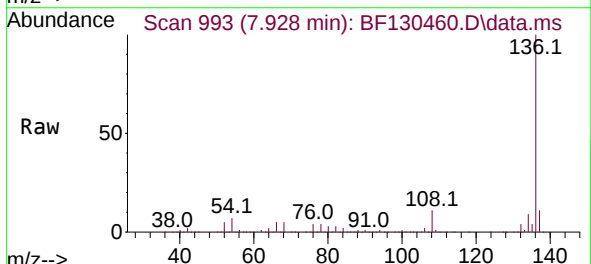
Tgt Ion: 99 Resp: 80714
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.6
71 38.8 32.3 48.5

Manual Integrations
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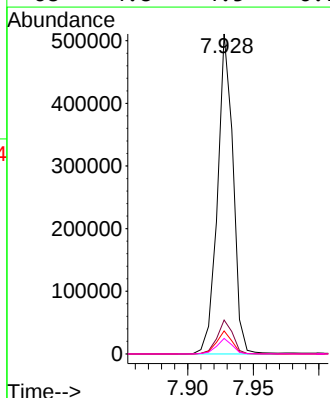
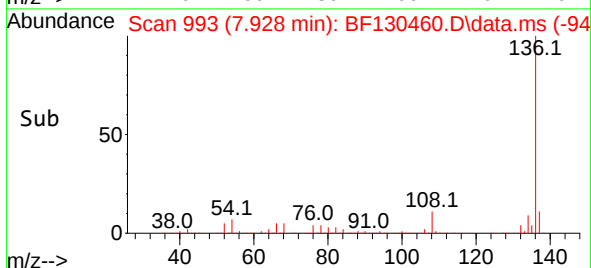
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022

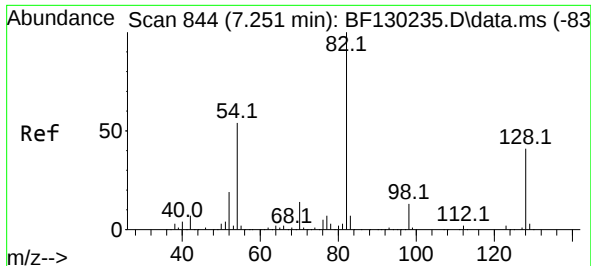


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08



Tgt Ion:136 Resp: 423229
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 7.2 7.1 10.7
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 5.304 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

Instrument :

BNA_F

ClientSampleId :

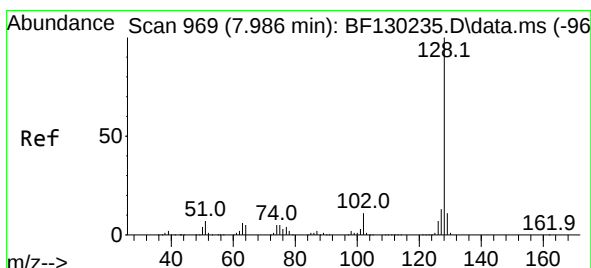
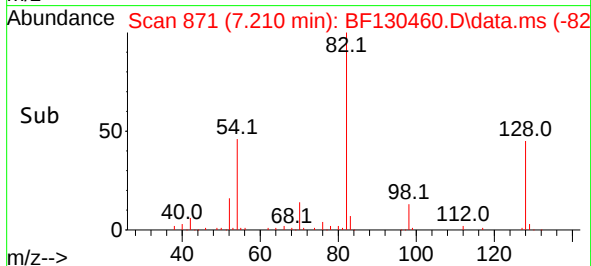
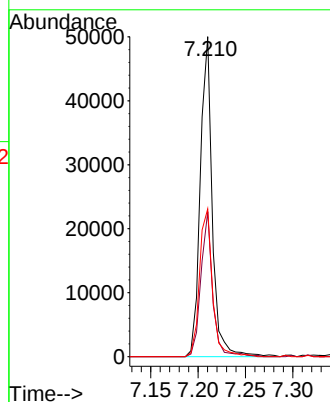
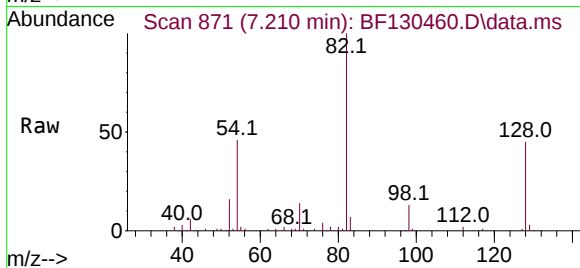
SU-04-092622DL

Tgt Ion: 82	Resp: 43939
Ion Ratio	Lower Upper
82 100	
128 45.3	32.6 49.0
54 46.2	43.8 65.6

Manual Integrations

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Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#31

Naphthalene

Concen: 6.456 ng

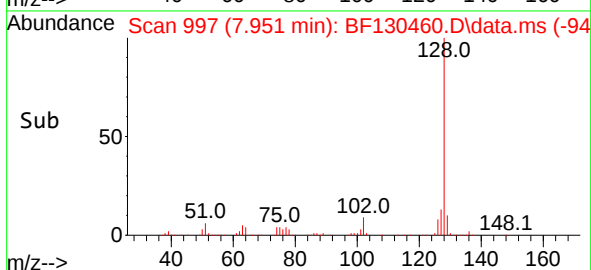
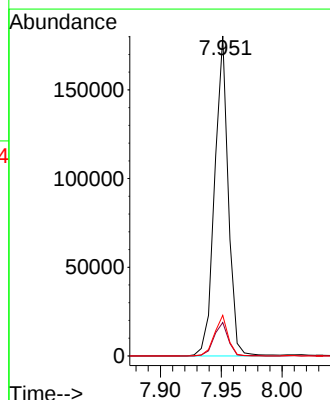
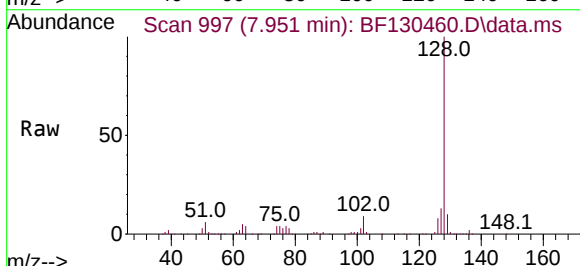
RT: 7.951 min Scan# 997

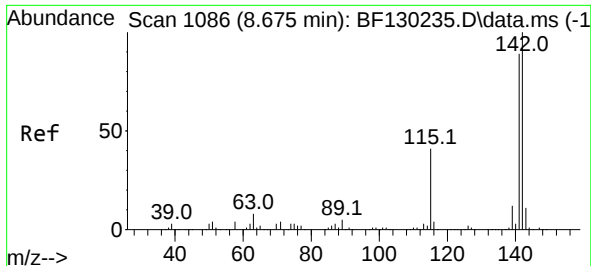
Delta R.T. 0.000 min

Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

Tgt Ion:128	Resp: 140772
Ion Ratio	Lower Upper
128 100	
129 10.4	9.1 13.7
127 12.7	10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.366 ng

RT: 8.639 min Scan# 1114

Delta R.T. 0.000 min

Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

Instrument :

BNA_F

ClientSampleId :

SU-04-092622DL

Tgt Ion:142 Resp: 60691

Ion Ratio Lower Upper

142 100

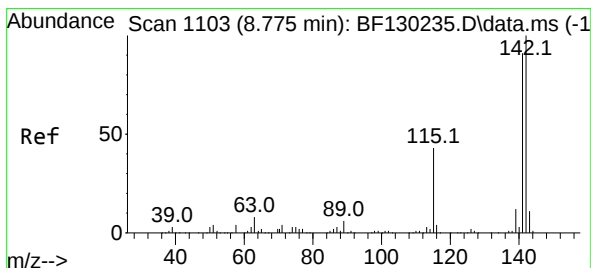
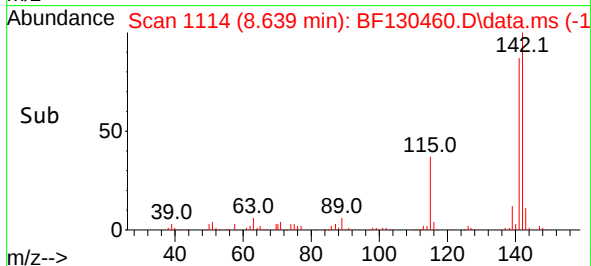
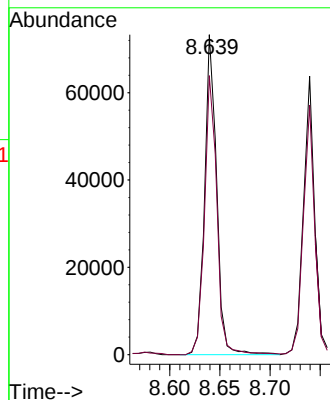
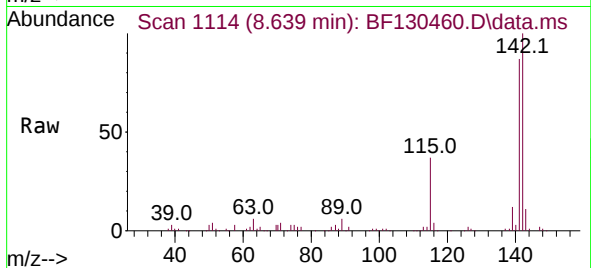
141 87.2 70.0 105.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/29/2022

Supervised By :Jagrut Upadhyay 09/29/2022



#38

1-Methylnaphthalene

Concen: 3.788 ng

RT: 8.739 min Scan# 1131

Delta R.T. 0.000 min

Lab File: BF130460.D

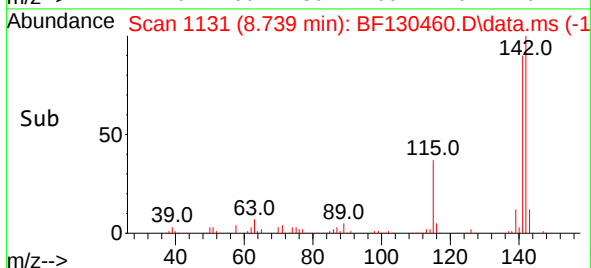
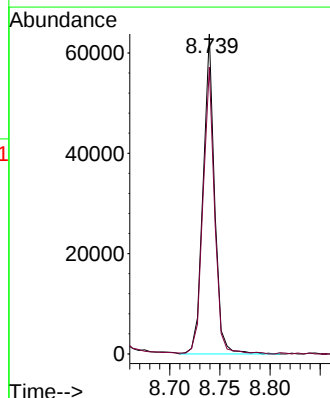
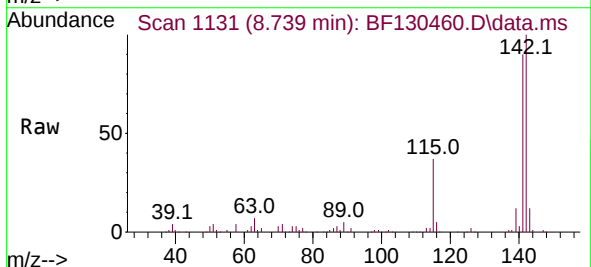
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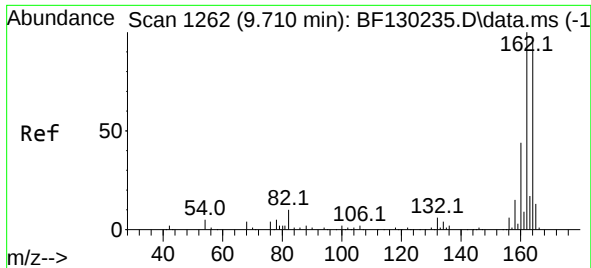
Tgt Ion:142 Resp: 50586

Ion Ratio Lower Upper

142 100

141 89.6 73.8 110.8





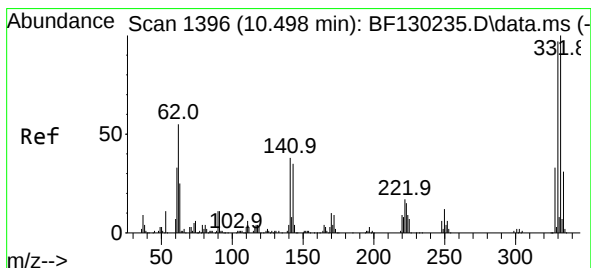
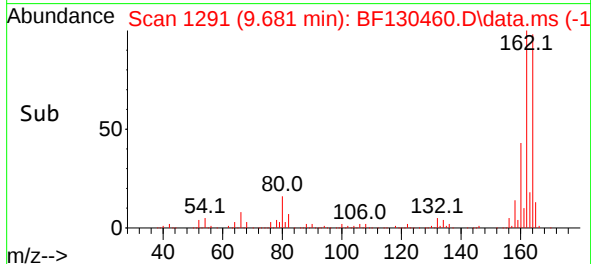
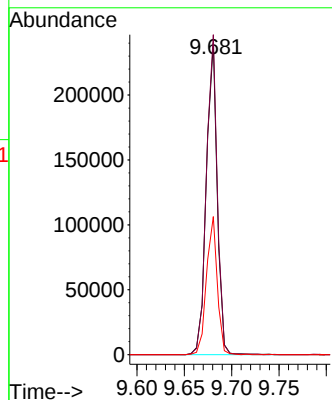
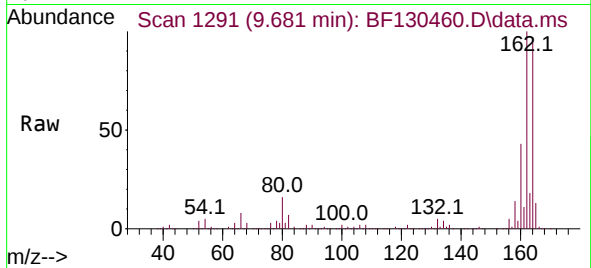
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.681 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL

Tgt Ion:164 Resp: 19266
Ion Ratio Lower Upper
164 100
162 102.7 81.4 122.0
160 44.3 36.2 54.4

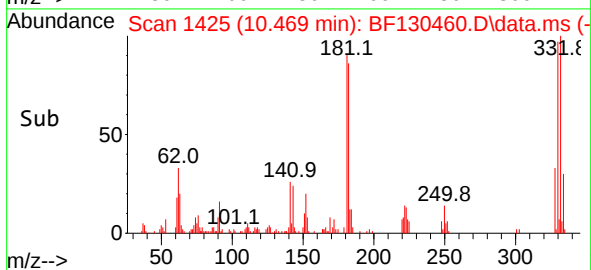
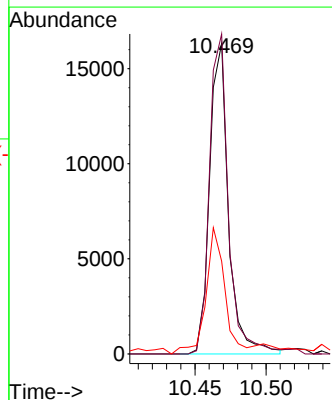
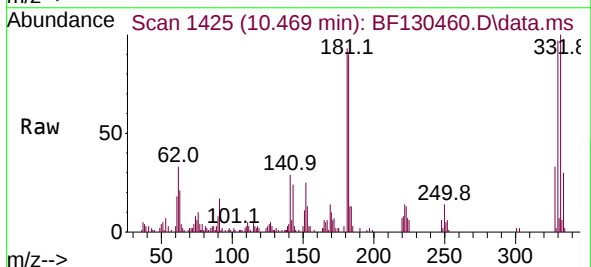
Manual Integrations
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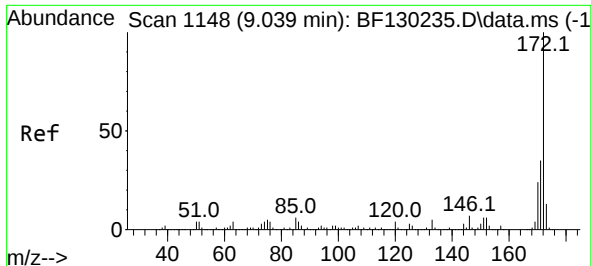
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#42
2,4,6-Tribromophenol
Concen: 8.183 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Tgt Ion:330 Resp: 15106
Ion Ratio Lower Upper
330 100
332 104.2 83.4 125.2
141 40.1 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 6.856 ng

RT: 9.004 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF130460.D

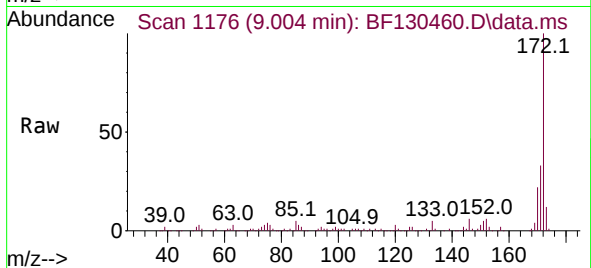
Acq: 28 Sep 2022 22:08

Instrument :

BNA_F

ClientSampleId :

SU-04-092622DL



Tgt Ion:172 Resp: 90714

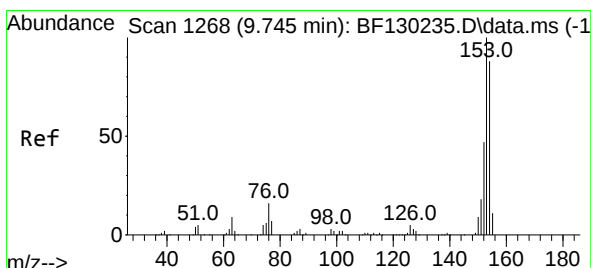
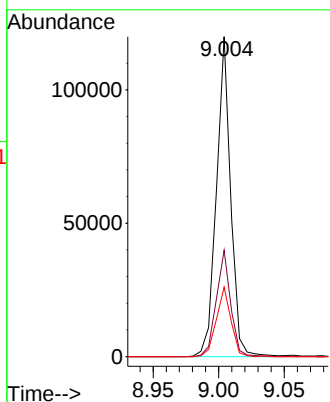
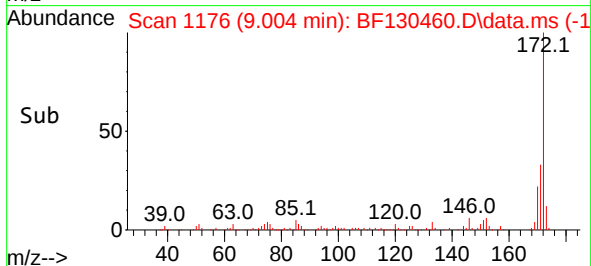
Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.3	42.5
170	21.7	18.7	28.1

Manual Integrations

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Reviewed By :Christian Giraldo 09/29/2022

Supervised By :Jagrut Upadhyay 09/29/2022



#52

Acenaphthene

Concen: 3.276 ng

RT: 9.710 min Scan# 1296

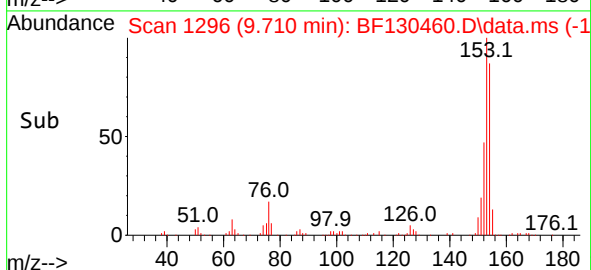
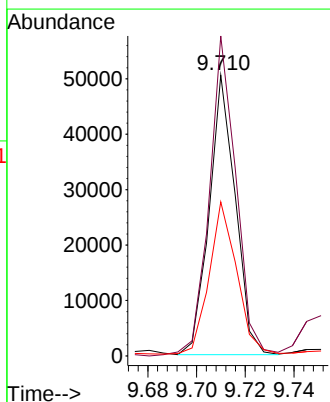
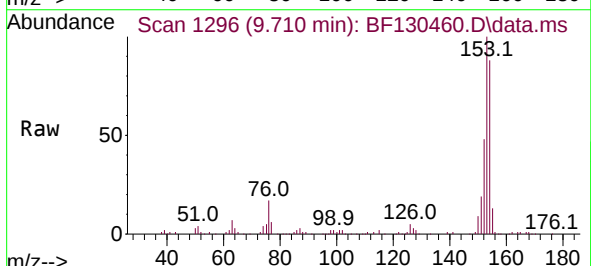
Delta R.T. -0.006 min

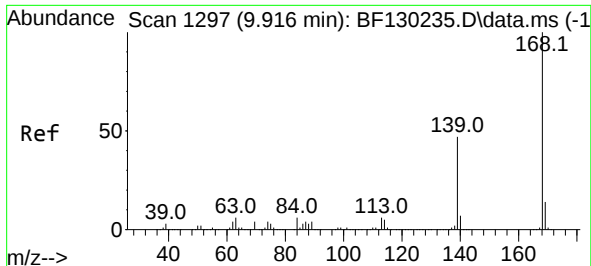
Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

Tgt Ion:154 Resp: 37561

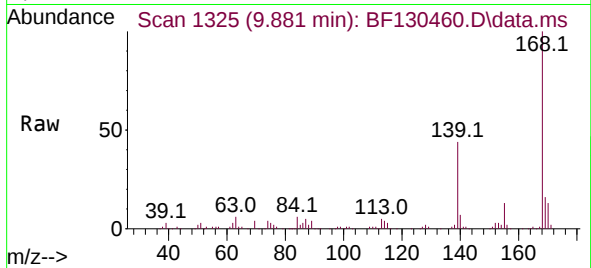
Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.6	136.0
152	54.9	43.8	65.6





#55
Dibenzenofuran
Concen: 5.689 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

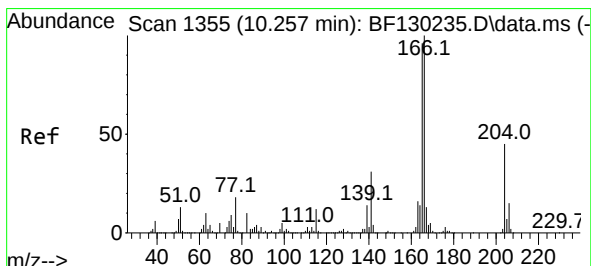
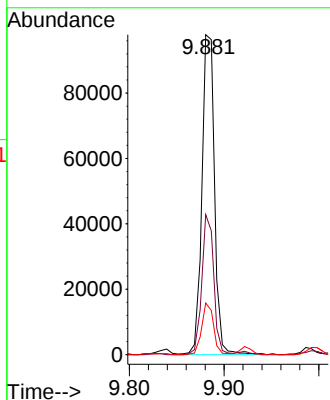
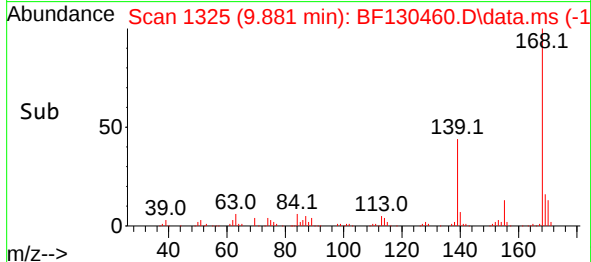
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



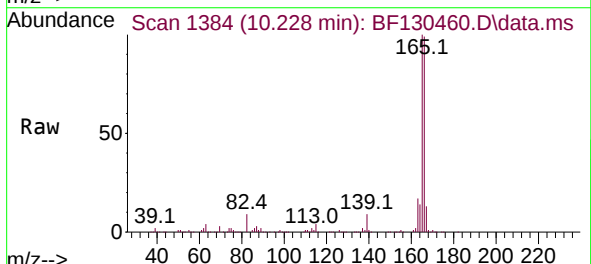
Tgt Ion:168 Resp: 9074
Ion Ratio Lower Upper
168 100
139 43.7 35.0 52.4
169 16.1 10.9 16.3

Manual Integrations
APPROVED

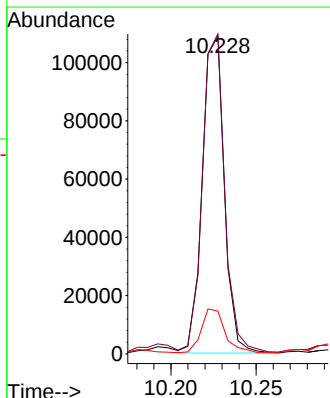
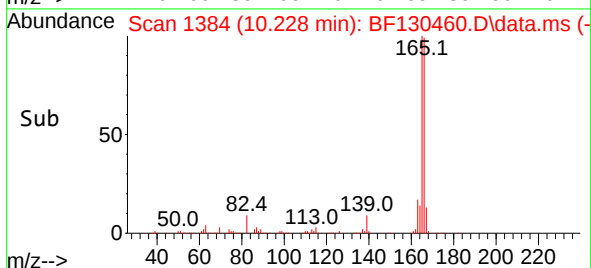
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022

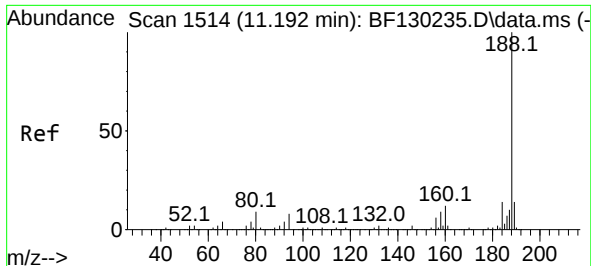


#58
Fluorene
Concen: 7.491 ng
RT: 10.228 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08



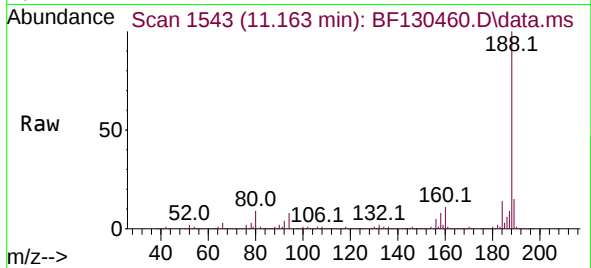
Tgt Ion:166 Resp: 97713
Ion Ratio Lower Upper
166 100
165 100.7 78.8 118.2
167 13.5 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.163 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

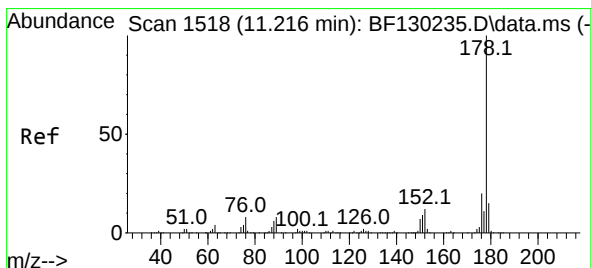
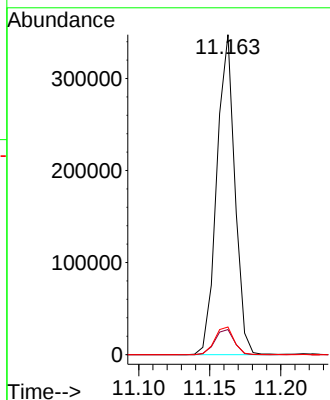
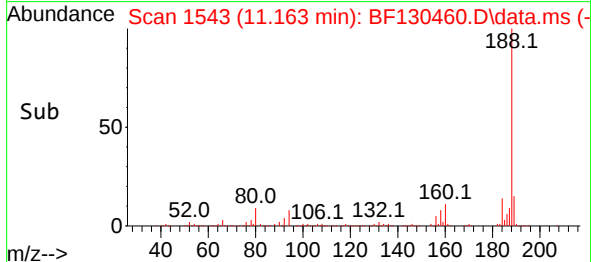
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion:188 Resp: 308485
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.2
80 8.6 7.9 11.9

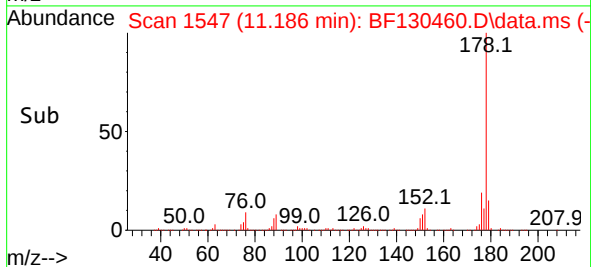
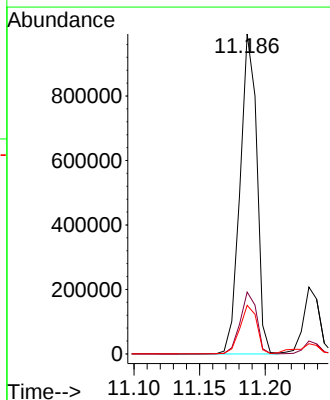
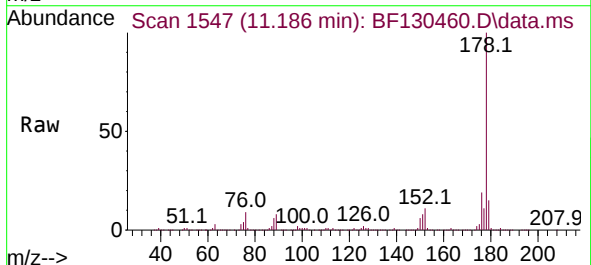
Manual Integrations
APPROVED

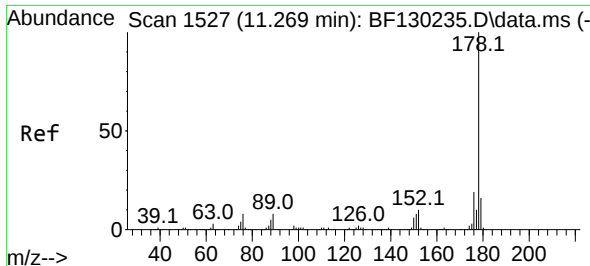
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#71
Phenanthrene
Concen: 50.714 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

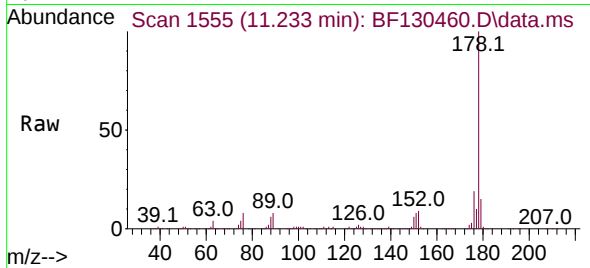
Tgt Ion:178 Resp: 878342
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 10.244 ng
 RT: 11.233 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130460.D
 Acq: 28 Sep 2022 22:08

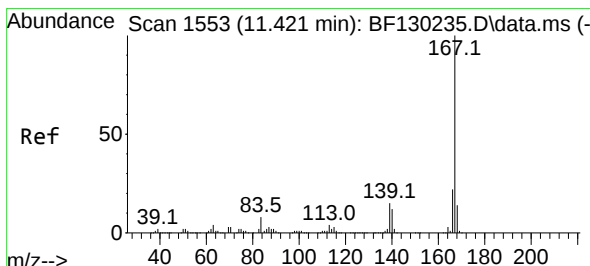
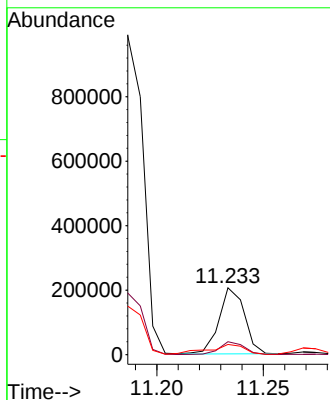
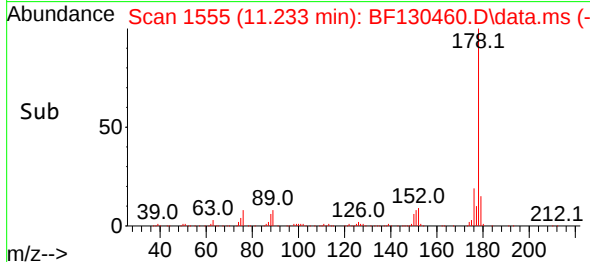
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092622DL



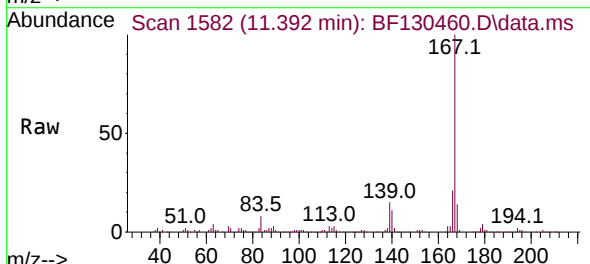
Tgt Ion:178 Resp: 171220
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 15.1 12.7 19.1

Manual Integrations
 APPROVED

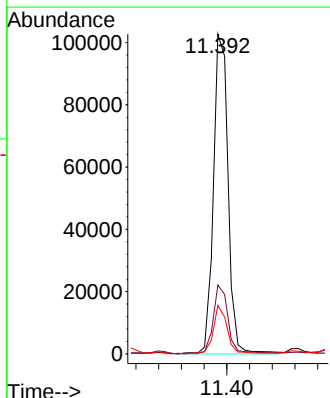
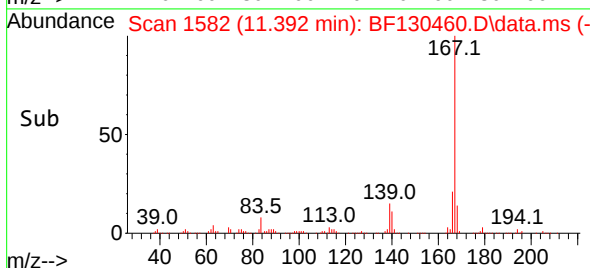
Reviewed By :Christian Giraldo 09/29/2022
 Supervised By :Jagrut Upadhyay 09/29/2022

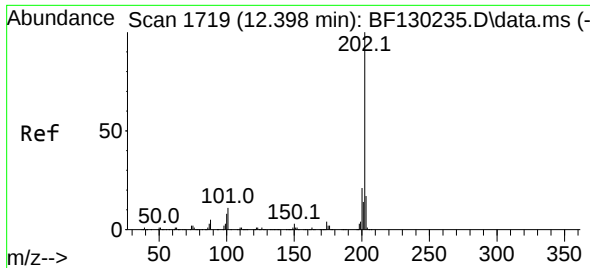


#73
 Carbazole
 Concen: 6.102 ng
 RT: 11.392 min Scan# 1582
 Delta R.T. 0.000 min
 Lab File: BF130460.D
 Acq: 28 Sep 2022 22:08



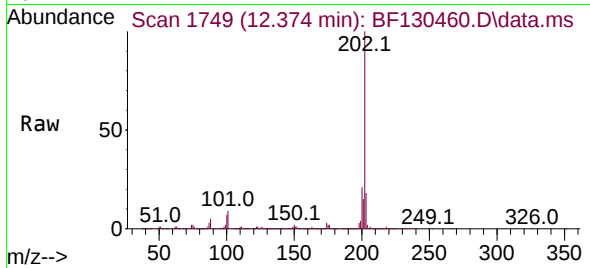
Tgt Ion:167 Resp: 92046
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 15.1 11.6 17.4





#75
Fluoranthene
Concen: 49.754 ng
RT: 12.374 min Scan# 1719
Delta R.T. 0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

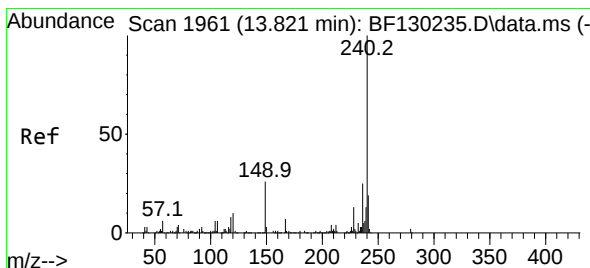
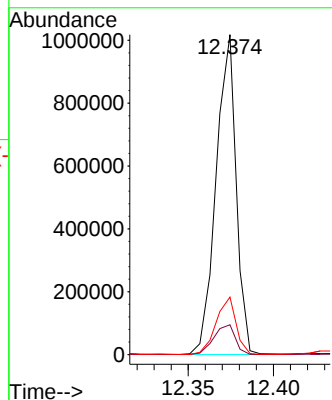
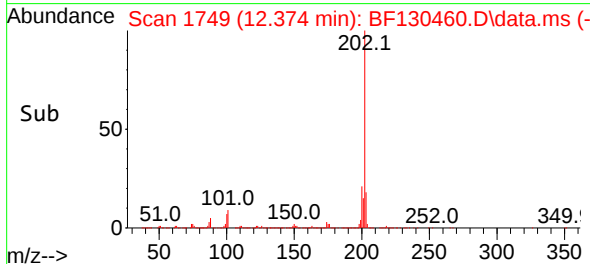
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion:202 Resp: 832683
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.8
203 18.0 0.0 37.8

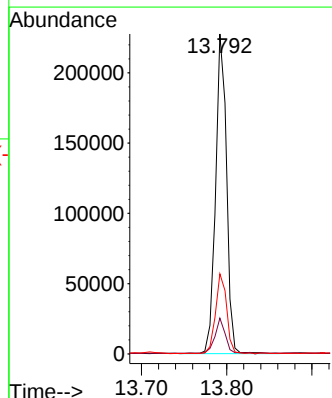
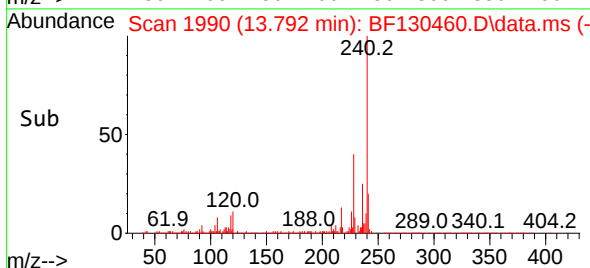
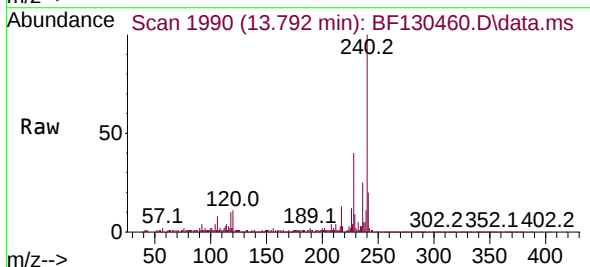
Manual Integrations
APPROVED

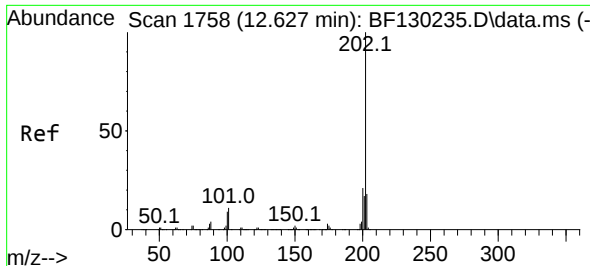
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.792 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

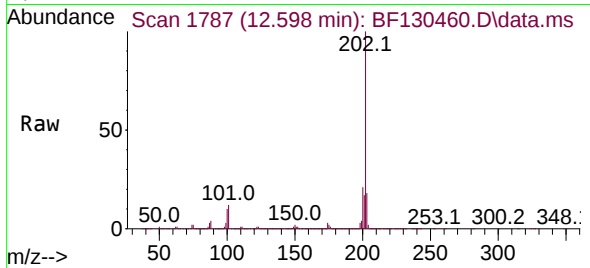
Tgt Ion:240 Resp: 202683
Ion Ratio Lower Upper
240 100
120 11.2 8.7 13.1
236 25.0 20.9 31.3





#78
Pyrene
Concen: 39.711 ng
RT: 12.598 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

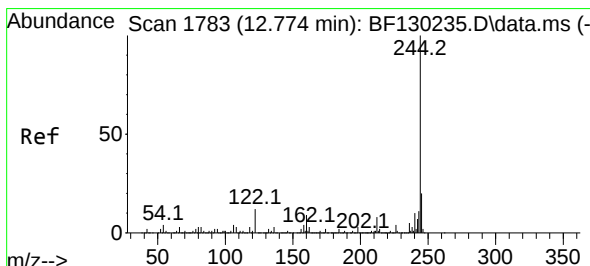
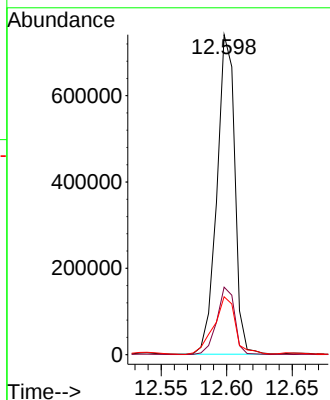
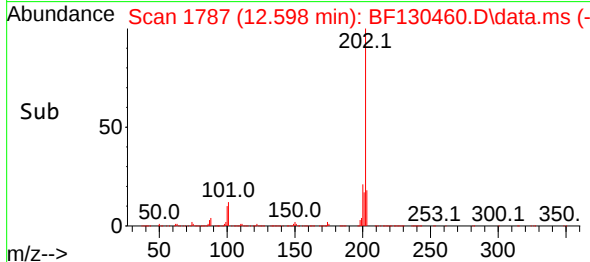
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion:202 Resp: 704109
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.1 14.3 21.5

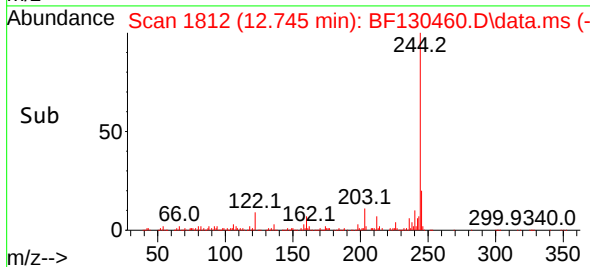
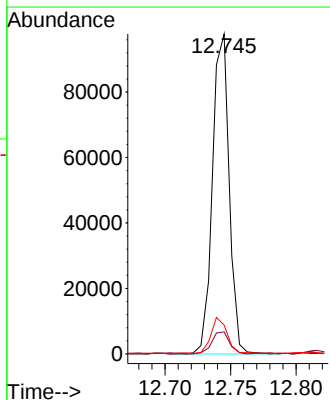
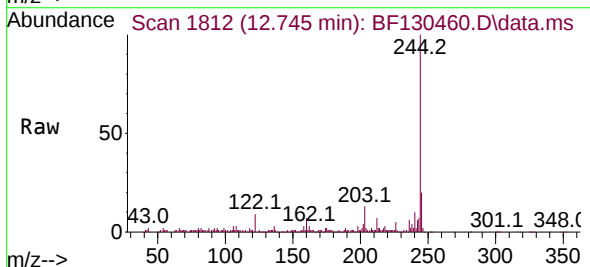
Manual Integrations
APPROVED

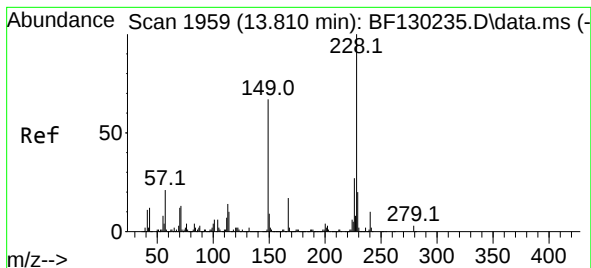
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#79
Terphenyl-d14
Concen: 7.080 ng
RT: 12.745 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Tgt Ion:244 Resp: 86632
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 9.0 8.5 12.7





#81

Benzo(a)anthracene

Concen: 19.623 ng

RT: 13.780 min Scan# 1959

Delta R.T. 0.000 min

Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

Instrument :

BNA_F

ClientSampleId :

SU-04-092622DL

Tgt Ion:228 Resp: 264588

Ion Ratio Lower Upper

228 100

226 28.5 21.9 32.9

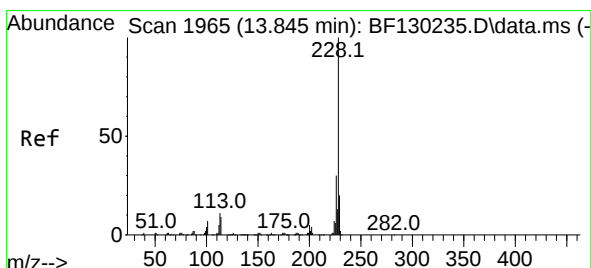
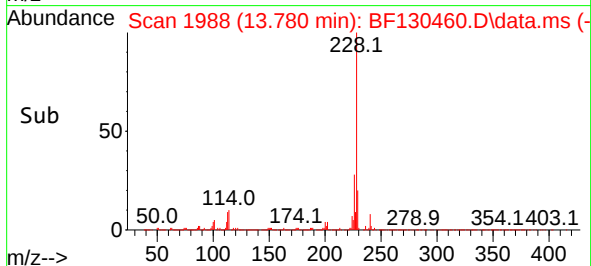
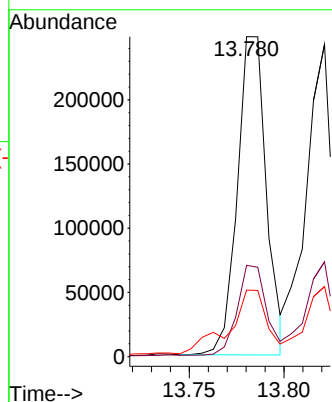
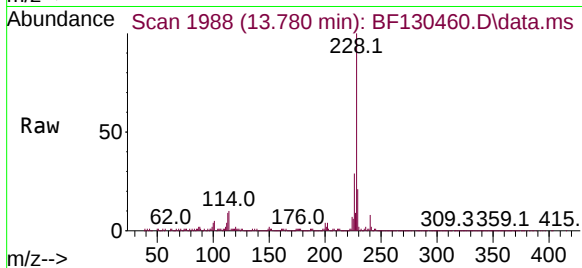
229 20.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/29/2022

Supervised By :Jagrut Upadhyay 09/29/2022



#83

Chrysene

Concen: 18.161 ng

RT: 13.821 min Scan# 1995

Delta R.T. 0.006 min

Lab File: BF130460.D

Acq: 28 Sep 2022 22:08

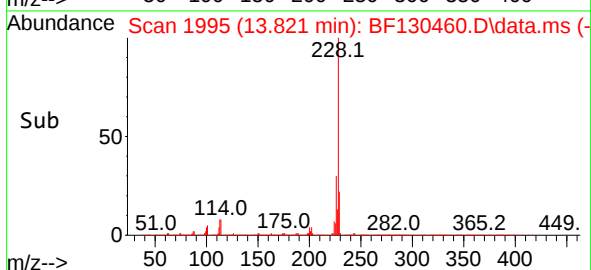
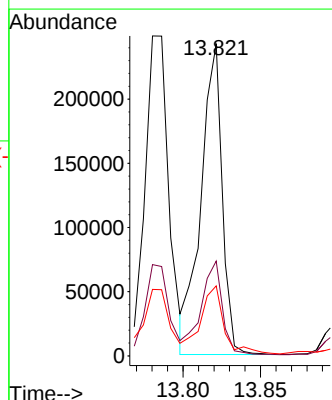
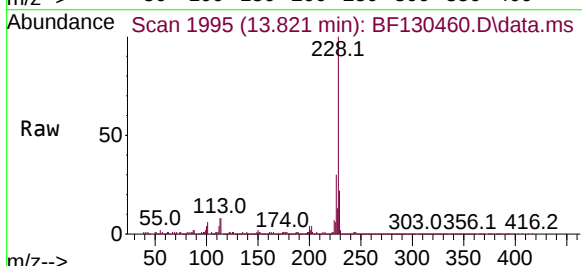
Tgt Ion:228 Resp: 232506

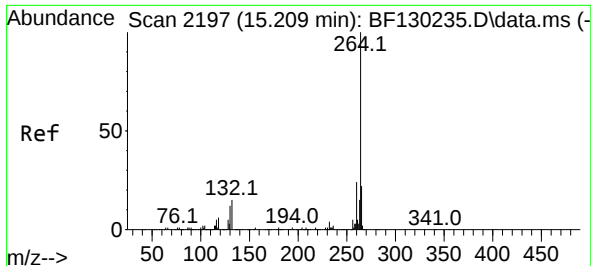
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

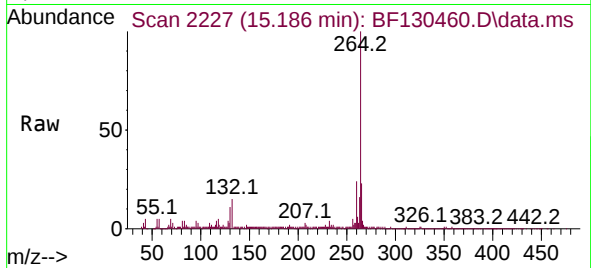
229 22.4 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.186 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

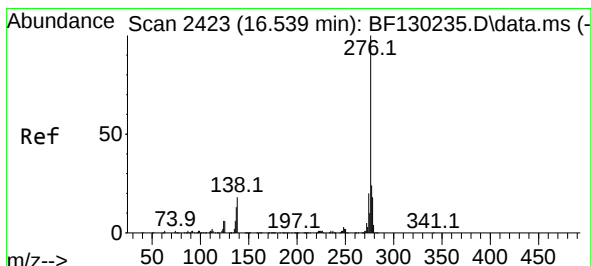
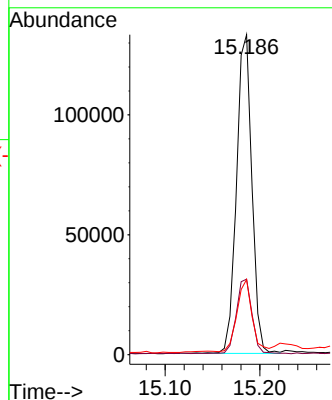
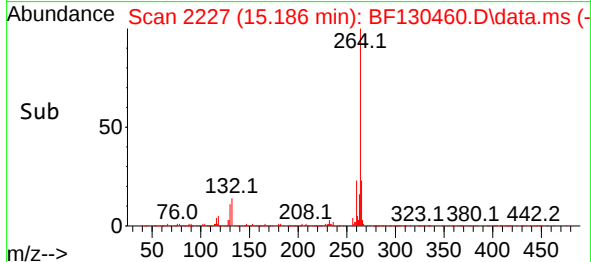
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion:264 Resp: 150289
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 23.5 17.0 25.4

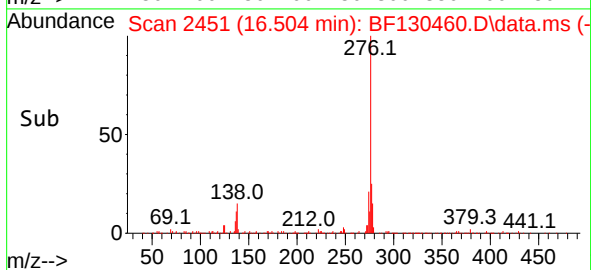
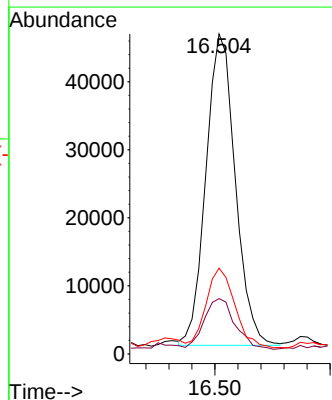
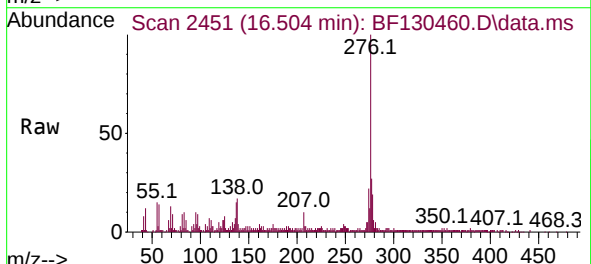
Manual Integrations
APPROVED

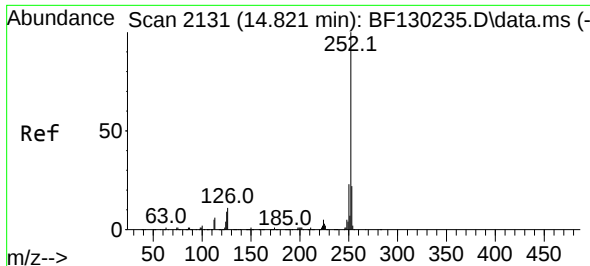
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.614 ng m
RT: 16.504 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Tgt Ion:276 Resp: 81142
Ion Ratio Lower Upper
276 100
138 3.7 18.5 27.7#
277 5.1 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 21.295 ng m
RT: 14.798 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Instrument :

BNF

ClientSampleId :

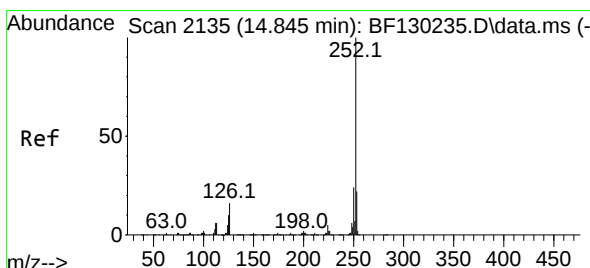
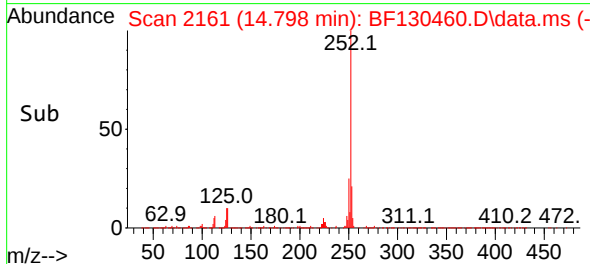
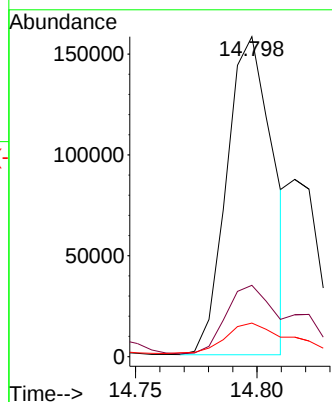
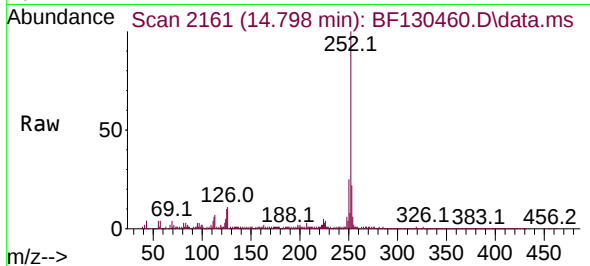
SU-04-092622DL

Tgt Ion:252 Resp: 20888
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 10.5 8.1 12.1

Manual Integrations

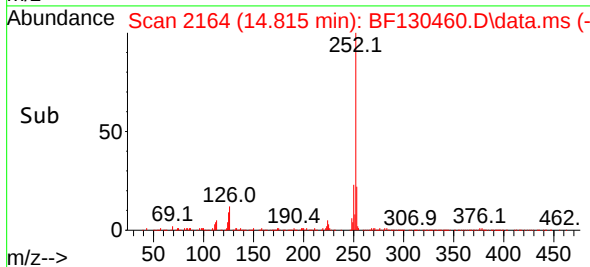
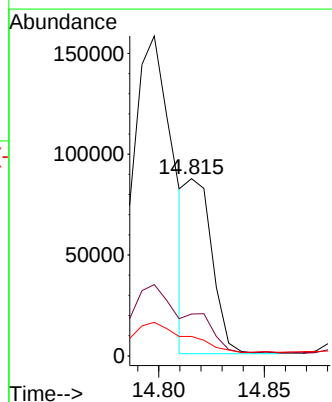
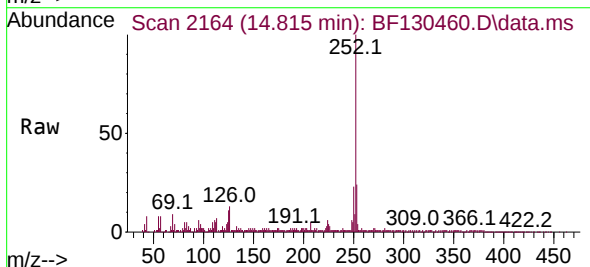
APPROVED

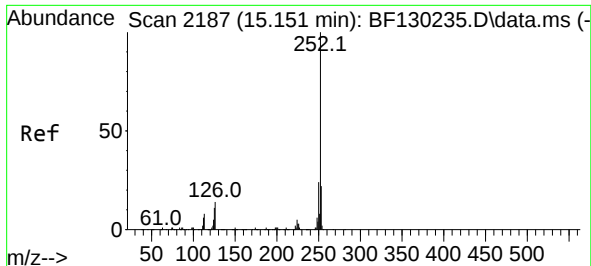
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#89
Benzo(k)fluoranthene
Concen: 7.664 ng m
RT: 14.815 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

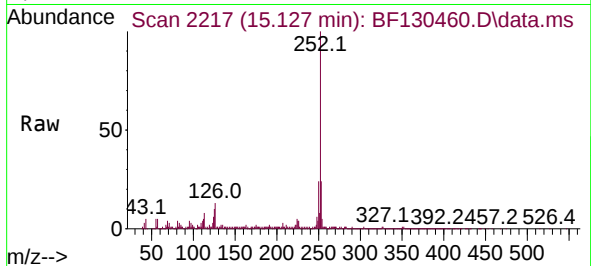
Tgt Ion:252 Resp: 73956
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 11.0 7.9 11.9





#90
Benzo(a)pyrene
Concen: 19.218 ng
RT: 15.127 min Scan# 2187
Delta R.T. 0.012 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

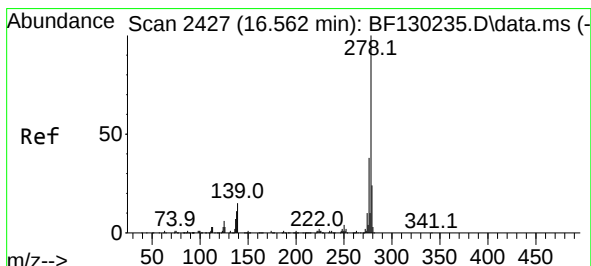
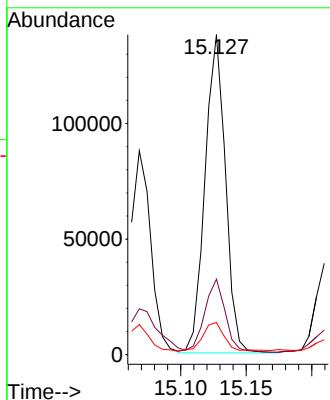
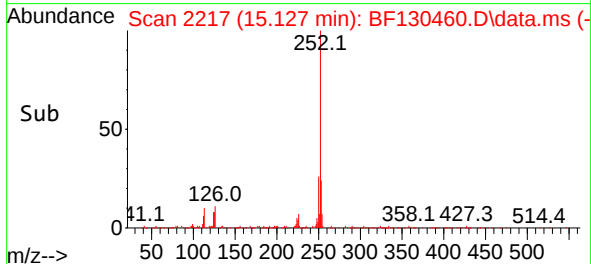
Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion:252 Resp: 149348
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.0 9.0 13.6

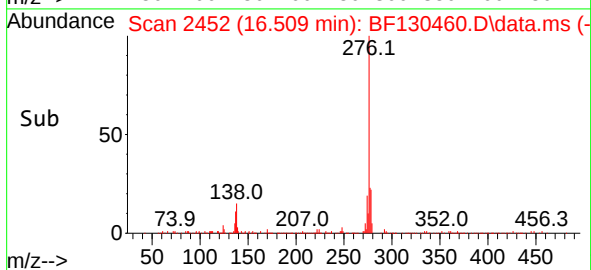
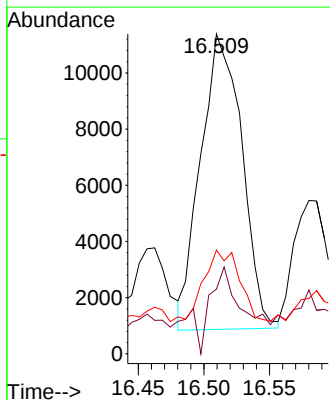
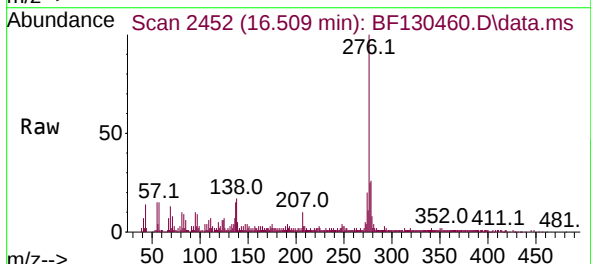
Manual Integrations
APPROVED

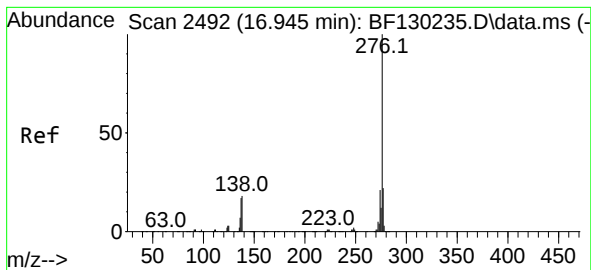
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.628 ng
RT: 16.509 min Scan# 2452
Delta R.T. 0.000 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

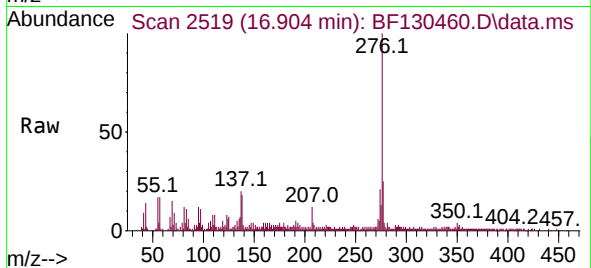
Tgt Ion:278 Resp: 22981
Ion Ratio Lower Upper
278 100
139 20.2 11.8 17.8#
279 32.4 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 8.446 ng
RT: 16.904 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130460.D
Acq: 28 Sep 2022 22:08

Instrument :
BNA_F
ClientSampleId :
SU-04-092622DL



Tgt Ion: 276 Resp: 7438
Ion Ratio Lower Upper
276 100
277 25.0 18.6 27.8
138 17.6 14.6 21.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/29/2022
Supervised By : Jagrut Upadhyay 09/29/2022

