

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121522\
 Data File : BF131658.D
 Acq On : 15 Dec 2022 20:03
 Operator : CG\JU
 Sample : N6038-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-31-(1-3)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

Quant Time: Dec 16 01:55:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 01:44:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70501	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262894	20.000	ng	# 0.00
39) Acenaphthene-d10	9.934	164	149585	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	287304	20.000	ng	0.00
76) Chrysene-d12	14.080	240	142363	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	155882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	473553	112.058	ng	0.00
7) Phenol-d6	6.510	99	616554	111.335	ng	0.00
23) Nitrobenzene-d5	7.445	82	434851	62.536	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	166545	100.211	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	680808	57.386	ng	0.00
79) Terphenyl-d14	13.022	244	650754	62.688	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.187	128	49026	3.311	ng	97
52) Acenaphthene	9.963	154	23594	2.489	ng	99
58) Fluorene	10.481	166	26963m	2.477	ng	
71) Phenanthrene	11.451	178	309456	19.324	ng	100
72) Anthracene	11.498	178	72217	4.635	ng	98
73) Carbazole	11.657	167	34973	2.750	ng	99
75) Fluoranthene	12.645	202	461291	27.974	ng	99
78) Pyrene	12.880	202	392330	27.948	ng	99
81) Benzo(a)anthracene	14.069	228	150543	14.643	ng	97
83) Chrysene	14.104	228	131338	13.437	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	90941	7.149	ng	99
88) Benzo(b)fluoranthene	15.139	252	169500m	16.498	ng	
89) Benzo(k)fluoranthene	15.168	252	63983m	5.967	ng	
90) Benzo(a)pyrene	15.516	252	130697	14.906	ng	98
92) Benzo(g,h,i)perylene	17.557	276	83923	7.975	ng	97

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

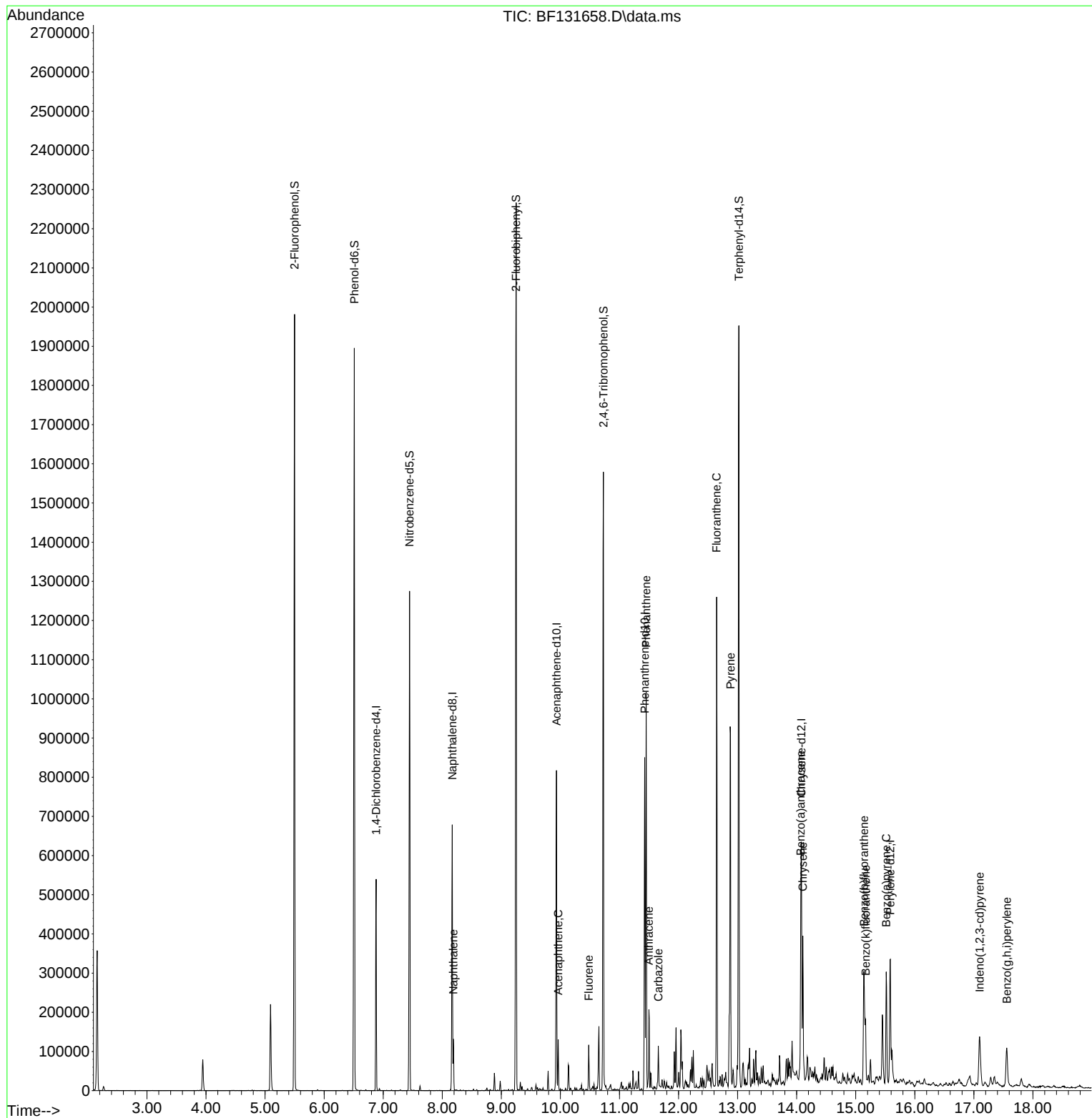
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121522\
Data File : BF131658.D
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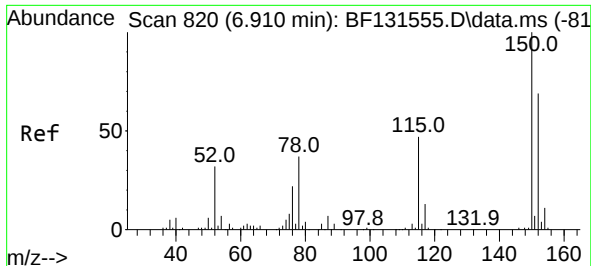
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Quant Time: Dec 16 01:55:05 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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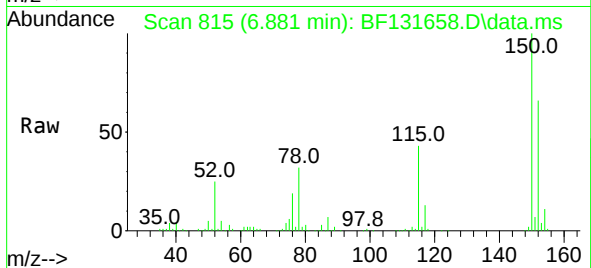
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

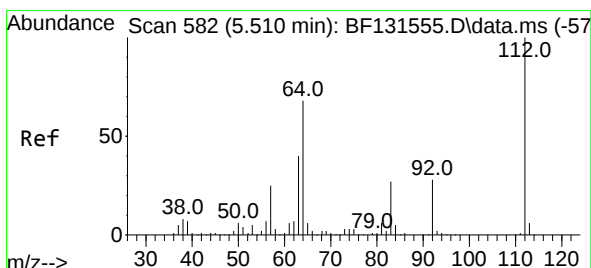
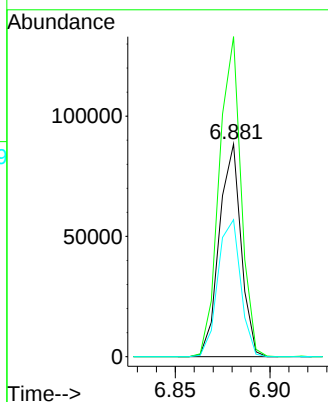
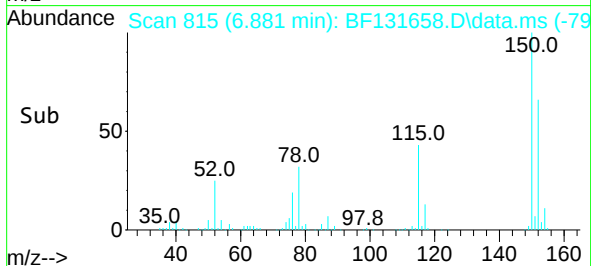
Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)



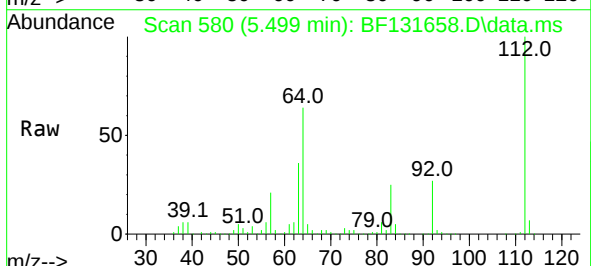
Tgt Ion:152 Resp: 7050
Ion Ratio Lower Upper
152 100
150 150.5 116.7 175.1
115 64.5 54.6 82.0

Manual Integrations
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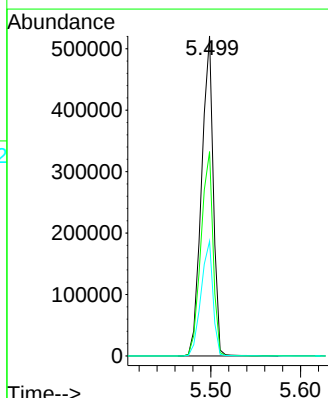
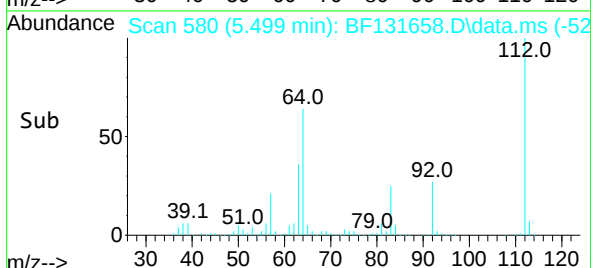
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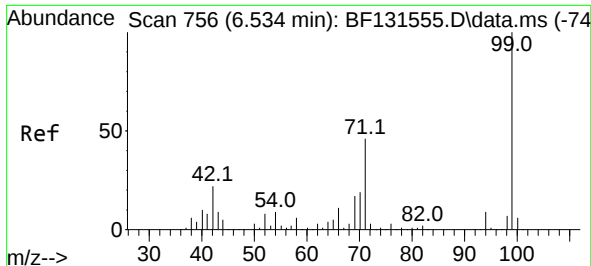


#5
2-Fluorophenol
Concen: 112.058 ng
RT: 5.499 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



Tgt Ion:112 Resp: 473553
Ion Ratio Lower Upper
112 100
64 63.9 54.5 81.7
63 35.8 31.9 47.9





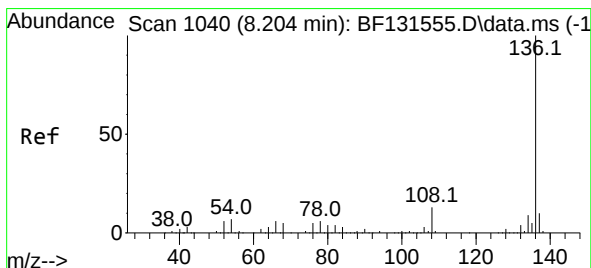
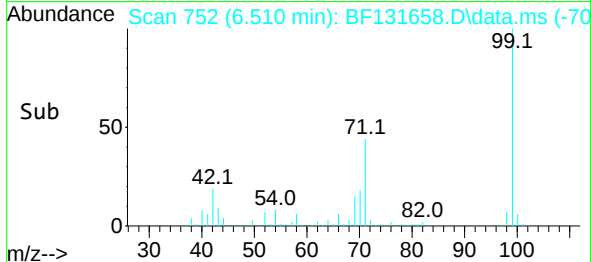
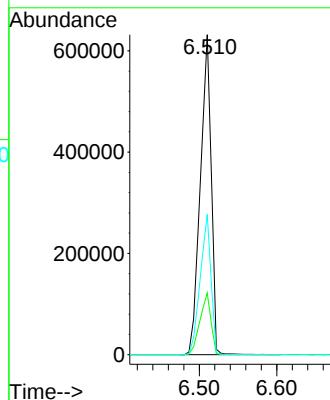
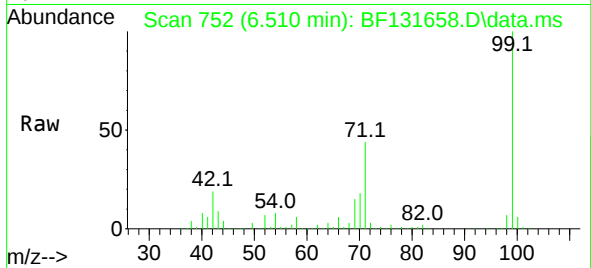
#7
Phenol-d6
Concen: 111.335 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)

Tgt Ion: 99 Resp: 616554
Ion Ratio Lower Upper
99 100
42 19.3 17.9 26.9
71 43.8 37.2 55.8

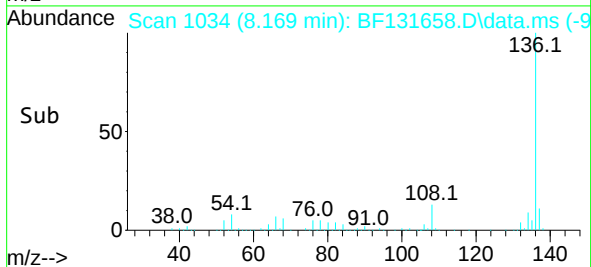
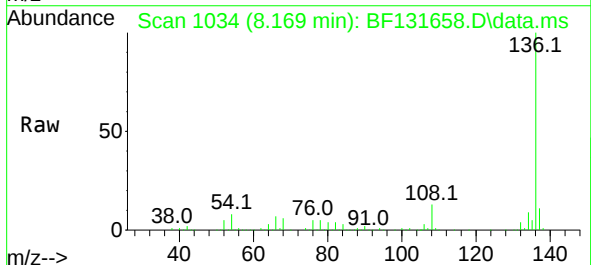
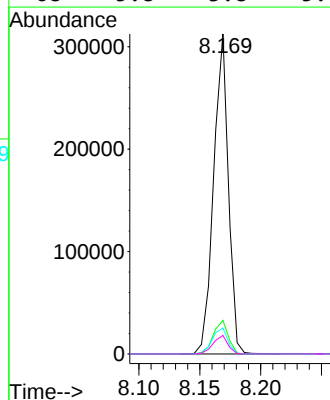
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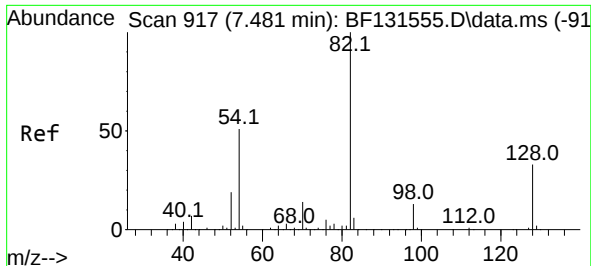
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Tgt Ion:136 Resp: 262894
Ion Ratio Lower Upper
136 100
137 10.5 8.1 12.1
54 8.1 6.0 9.0
68 5.8 3.8 5.8#





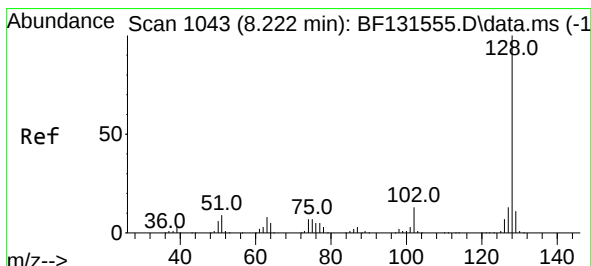
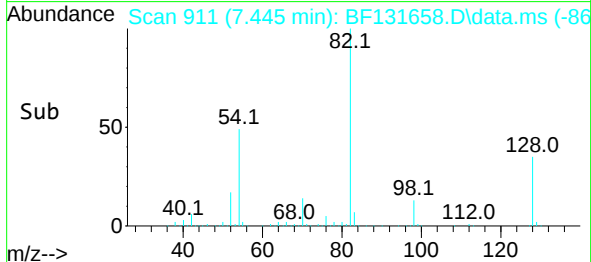
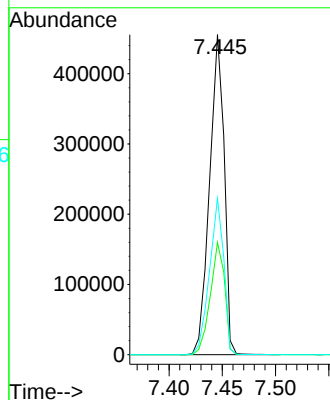
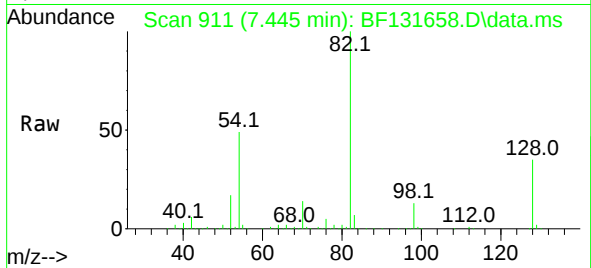
#23
Nitrobenzene-d5
Concen: 62.536 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Instrument :
BNA_F
Client SampleId :
RB-31-(1-3)

Tgt Ion: 82 Resp: 43485
Ion Ratio Lower Upper
82 100
128 35.1 26.1 39.1
54 48.8 40.6 60.8

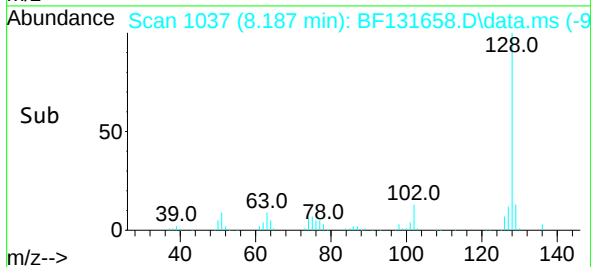
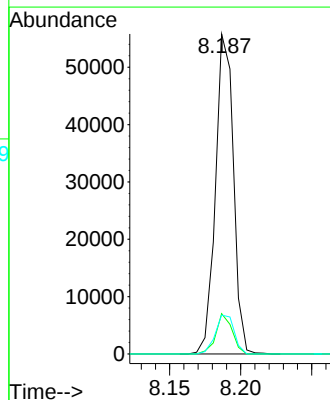
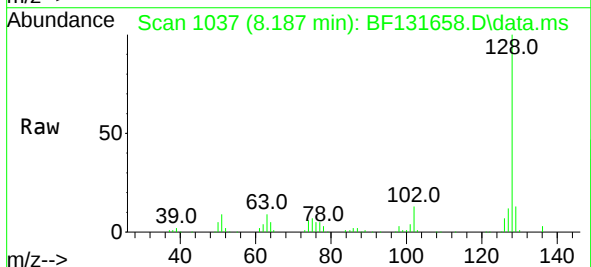
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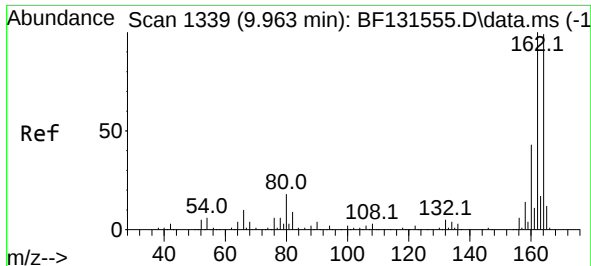
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#31
Naphthalene
Concen: 3.311 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Tgt Ion:128 Resp: 49026
Ion Ratio Lower Upper
128 100
129 12.6 8.9 13.3
127 12.1 10.6 15.8





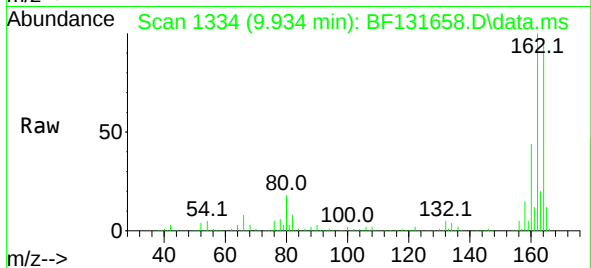
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Instrument :

BNA_F

ClientSampleId :

RB-31-(1-3)

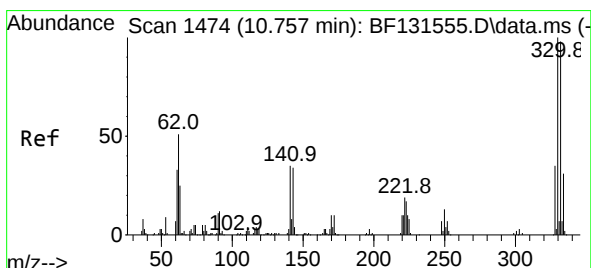
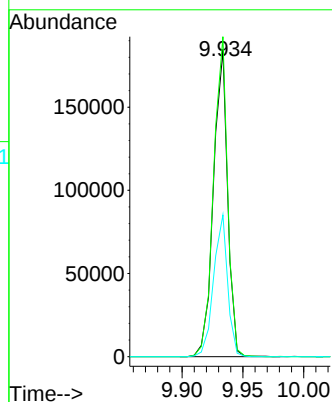
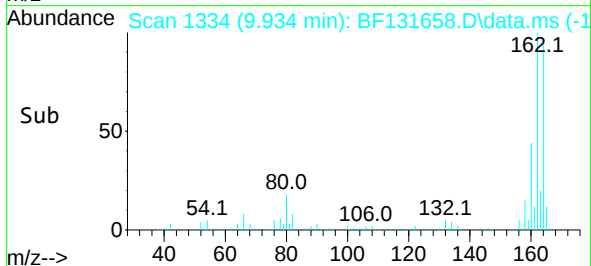


Tgt Ion:164 Resp: 14958
Ion Ratio Lower Upper
164 100
162 104.6 81.0 121.6
160 46.4 35.0 52.6

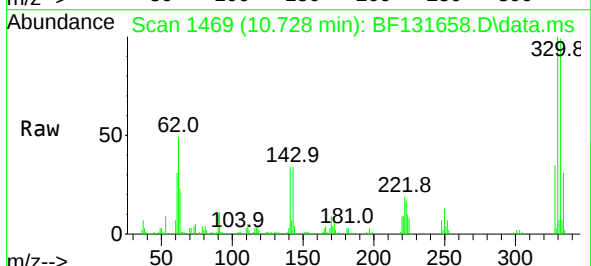
Manual Integrations

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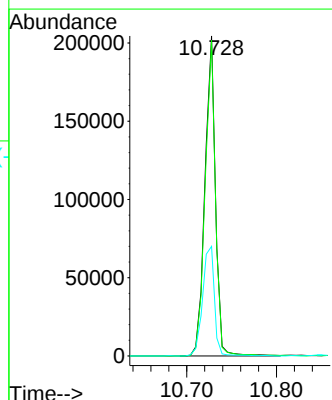
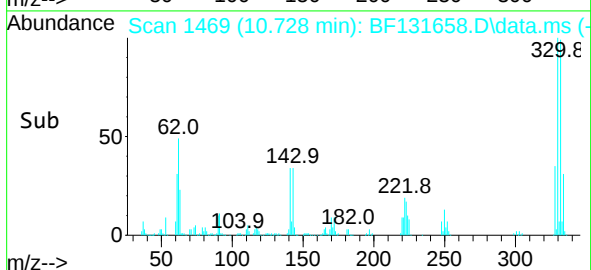
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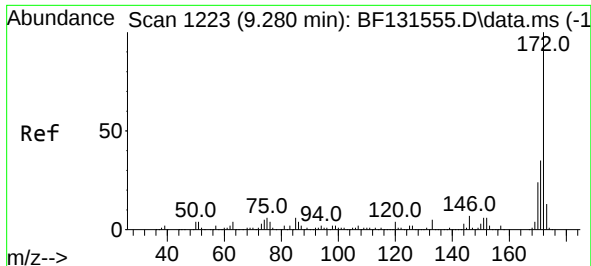


#42
2,4,6-Tribromophenol
Concen: 100.211 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



Tgt Ion:330 Resp: 166545
Ion Ratio Lower Upper
330 100
332 96.7 78.3 117.5
141 38.7 32.6 49.0





#45

2-Fluorobiphenyl

Concen: 57.386 ng

RT: 9.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131658.D

Acq: 15 Dec 2022 20:03

Instrument :

BNA_F

ClientSampleId :

RB-31-(1-3)

Tgt Ion:172 Resp: 68080

Ion Ratio Lower Upper

172 100

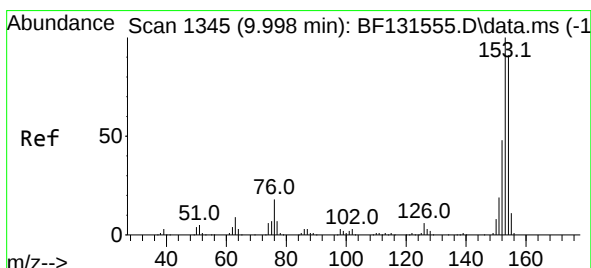
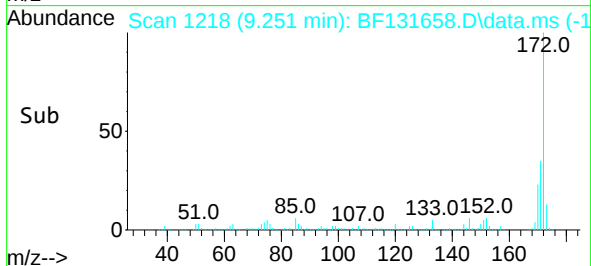
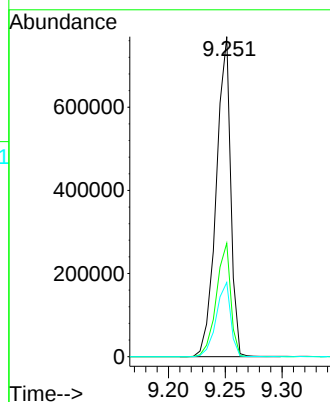
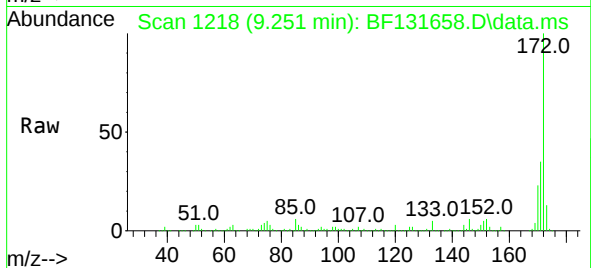
171 35.5 28.3 42.5

170 23.2 19.3 28.9

Manual Integrations

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#52

Acenaphthene

Concen: 2.489 ng

RT: 9.963 min Scan# 1339

Delta R.T. -0.006 min

Lab File: BF131658.D

Acq: 15 Dec 2022 20:03

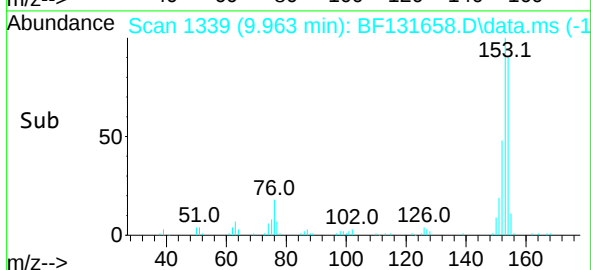
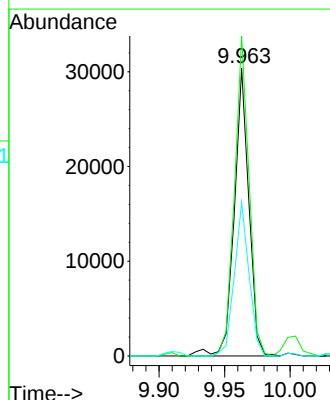
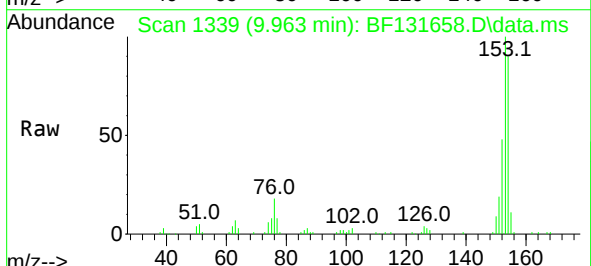
Tgt Ion:154 Resp: 23594

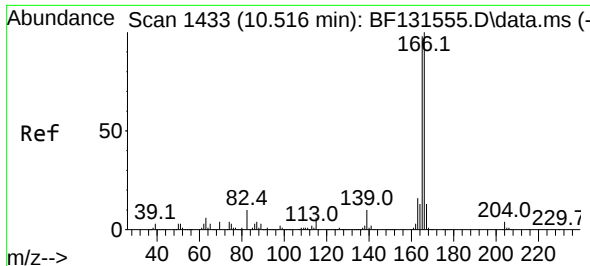
Ion Ratio Lower Upper

154 100

153 111.2 87.9 131.9

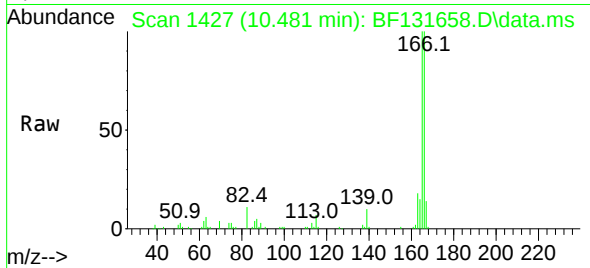
152 53.5 42.4 63.6





#58
Fluorene
Concen: 2.477 ng m
RT: 10.481 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

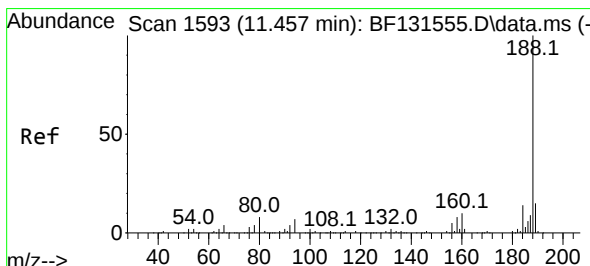
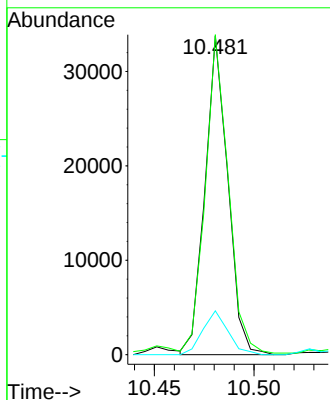
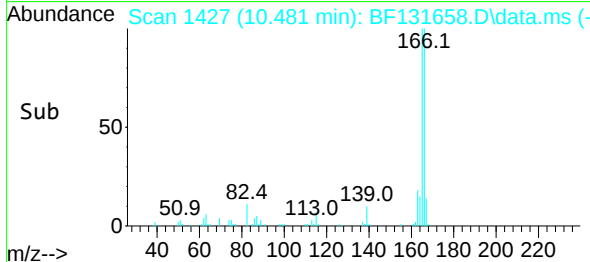
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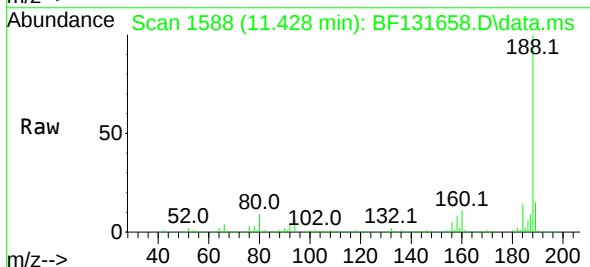
Tgt Ion:166 Resp: 2696
Ion Ratio Lower Upper
166 100
165 100.4 78.4 117.6
167 13.8 10.7 16.1

Manual Integrations
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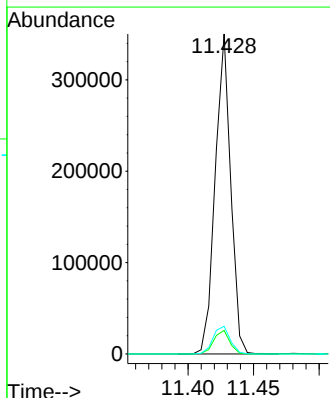
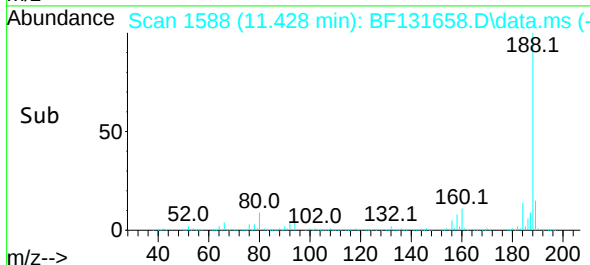
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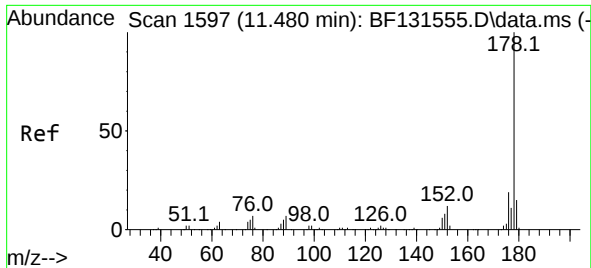


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



Tgt Ion:188 Resp: 287304
Ion Ratio Lower Upper
188 100
94 7.3 5.5 8.3
80 8.6 6.6 10.0





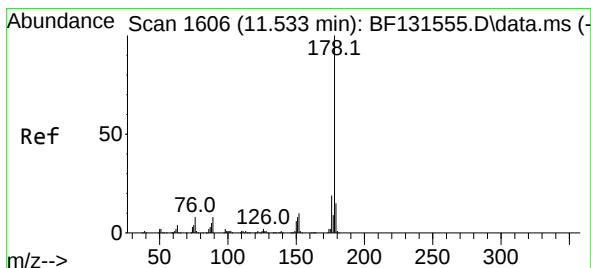
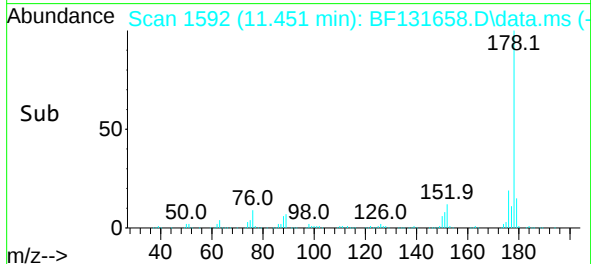
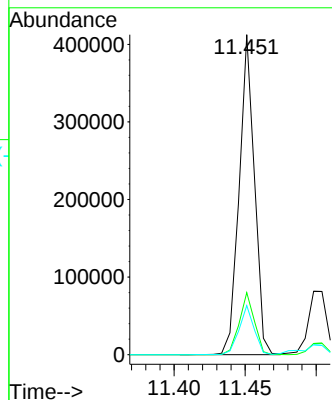
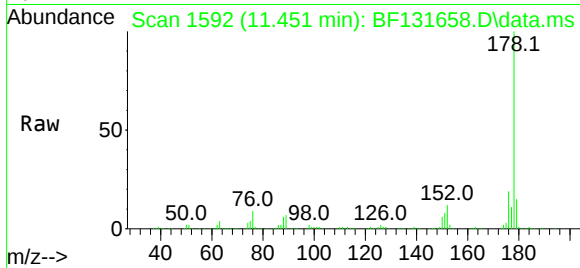
#71
Phenanthrene
Concen: 19.324 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)

Tgt Ion:178 Resp: 309450
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.2 18.4

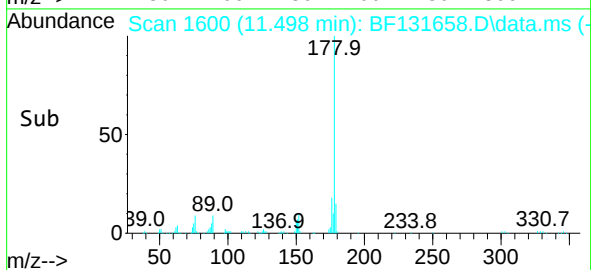
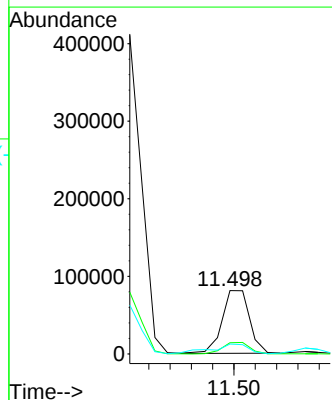
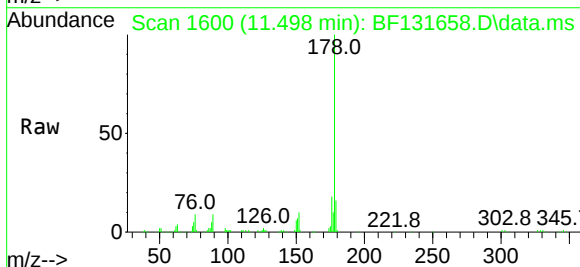
Manual Integrations
APPROVED

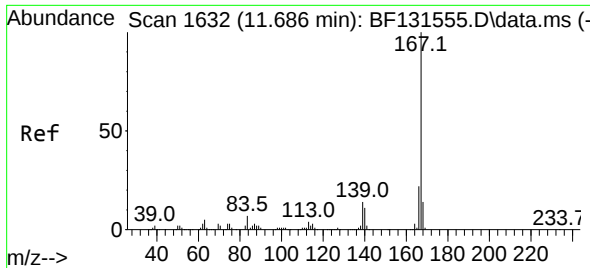
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#72
Anthracene
Concen: 4.635 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

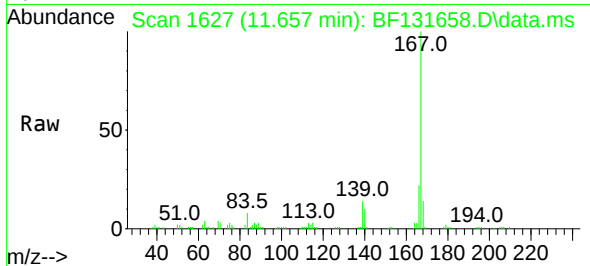
Tgt Ion:178 Resp: 72217
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.6
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 2.750 ng
 RT: 11.657 min Scan# 1795
 Delta R.T. -0.006 min
 Lab File: BF131658.D
 Acq: 15 Dec 2022 20:03

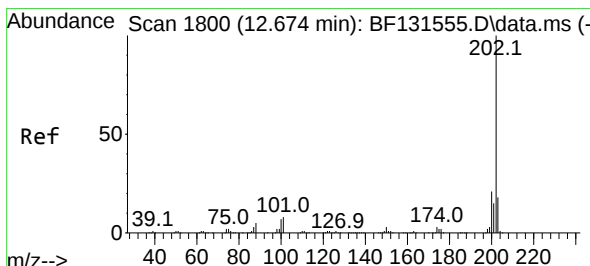
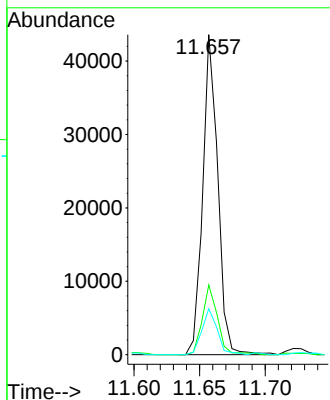
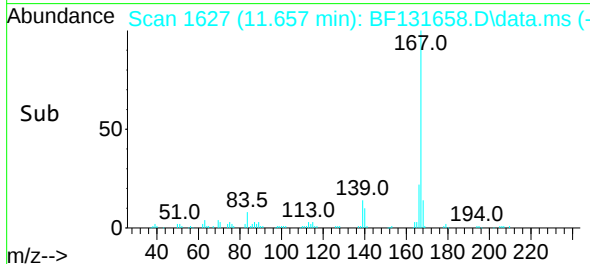
Instrument :
 BNA_F
 ClientSampleId :
 RB-31-(1-3)



Tgt Ion:167 Resp: 3497
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 14.4 11.0 16.4

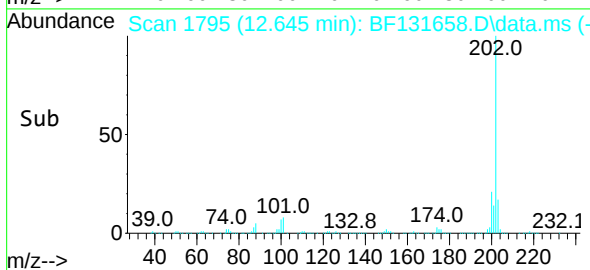
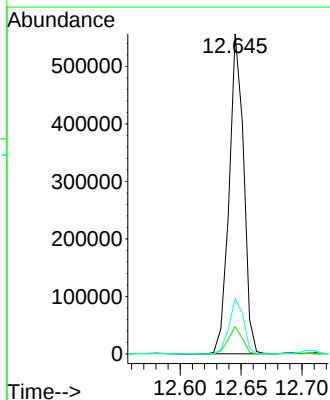
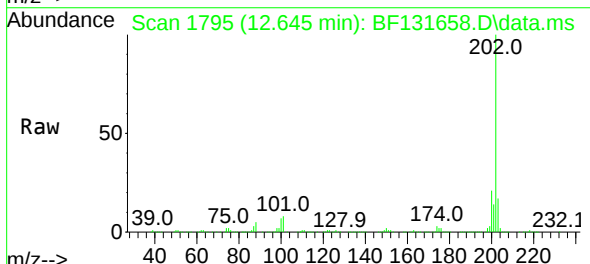
Manual Integrations
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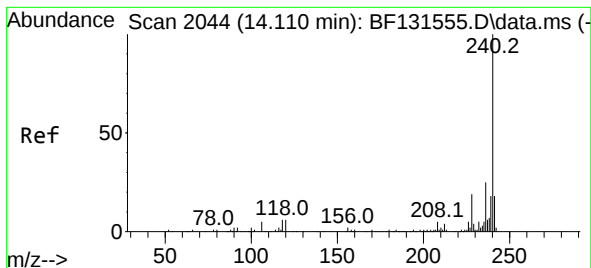
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#75
 Fluoranthene
 Concen: 27.974 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. -0.006 min
 Lab File: BF131658.D
 Acq: 15 Dec 2022 20:03

Tgt Ion:202 Resp: 461291
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 27.7
 203 17.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2044

Delta R.T. 0.000 min

Lab File: BF131658.D

Acq: 15 Dec 2022 20:03

Instrument :

BNA_F

ClientSampleId :

RB-31-(1-3)

Tgt Ion:240 Resp: 14236

Ion Ratio Lower Upper

240 100

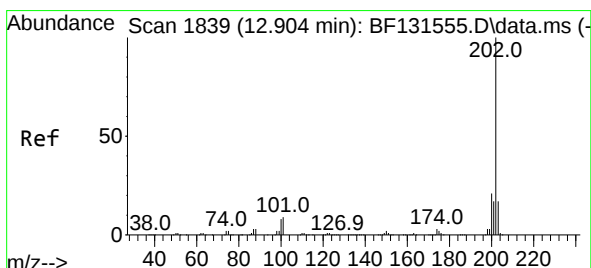
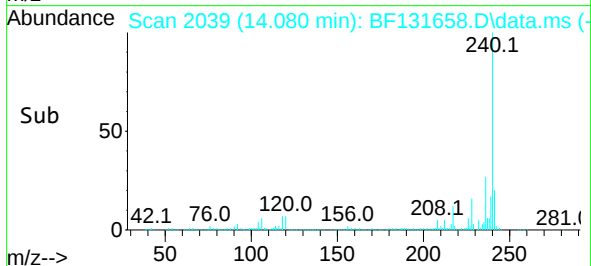
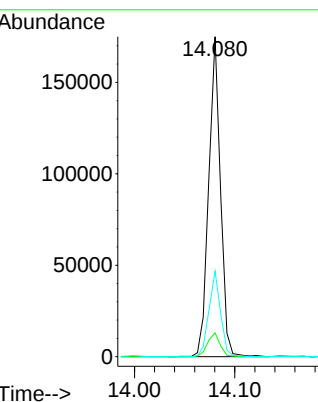
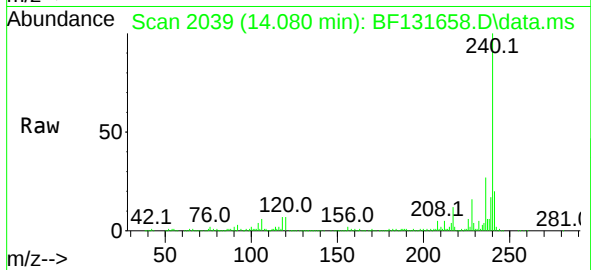
120 7.5 4.6 7.0

236 26.7 20.2 30.2

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Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#78

Pyrene

Concen: 27.948 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.000 min

Lab File: BF131658.D

Acq: 15 Dec 2022 20:03

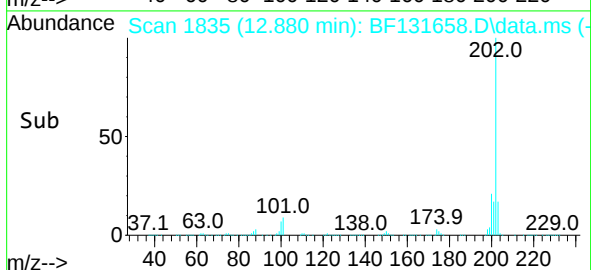
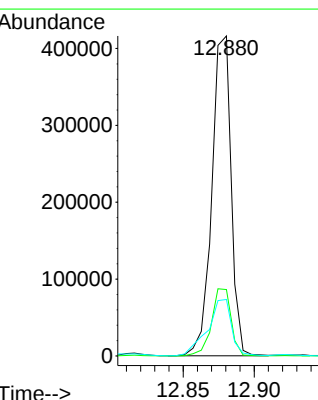
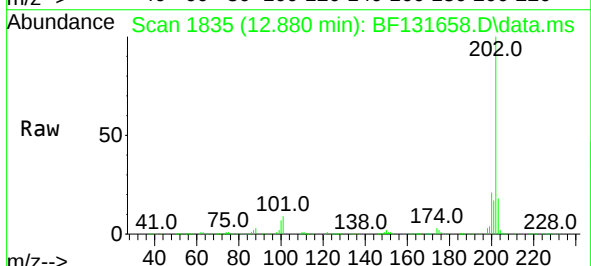
Tgt Ion:202 Resp: 392330

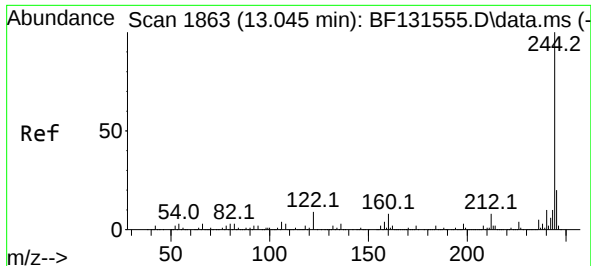
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

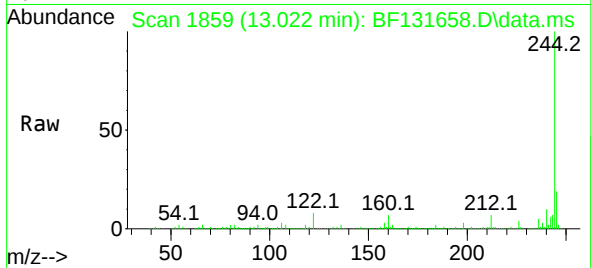
203 17.7 13.8 20.6





#79
 Terphenyl-d14
 Concen: 62.688 ng
 RT: 13.022 min Scan# 1859
 Delta R.T. 0.000 min
 Lab File: BF131658.D
 Acq: 15 Dec 2022 20:03

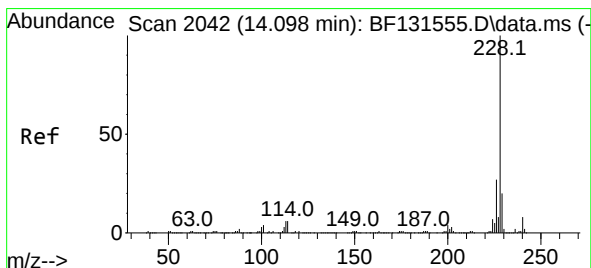
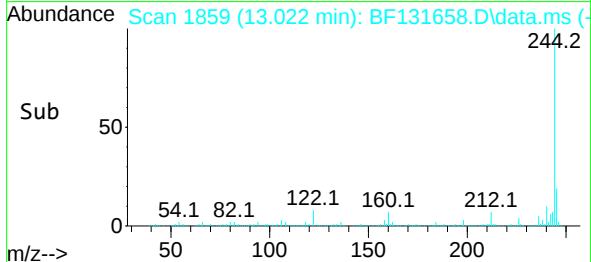
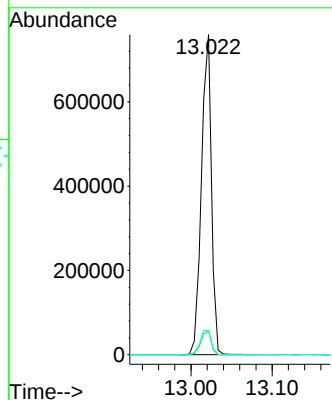
Instrument :
 BNA_F
 ClientSampleId :
 RB-31-(1-3)



Tgt Ion:244 Resp: 650754
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 7.5 7.1 10.7

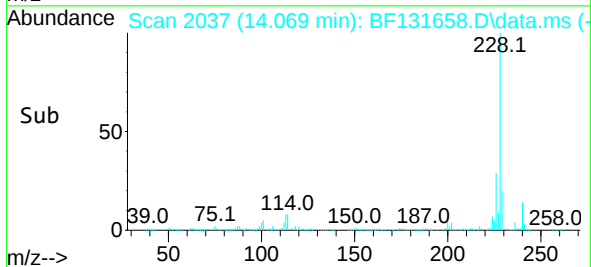
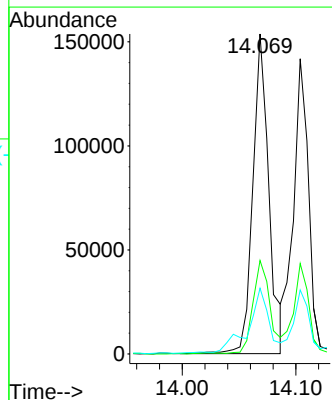
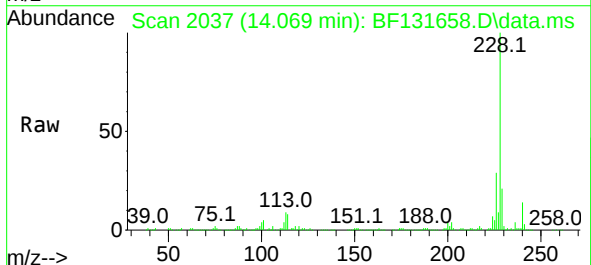
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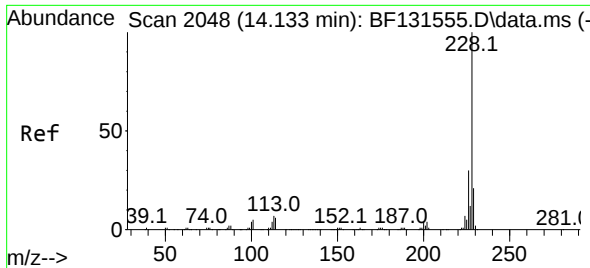
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#81
 Benzo(a)anthracene
 Concen: 14.643 ng
 RT: 14.069 min Scan# 2037
 Delta R.T. 0.000 min
 Lab File: BF131658.D
 Acq: 15 Dec 2022 20:03

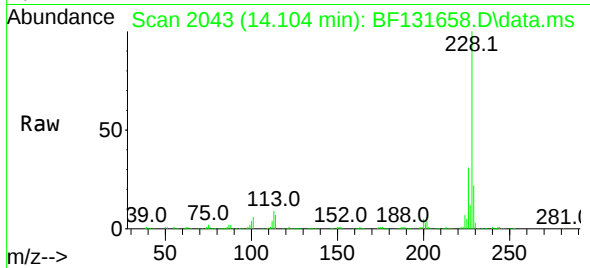
Tgt Ion:228 Resp: 150543
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.5 32.3
 229 20.5 15.8 23.6





#83
Chrysene
Concen: 13.437 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

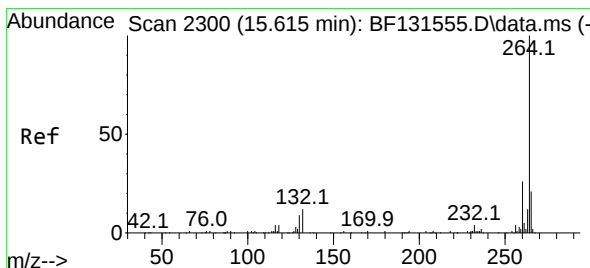
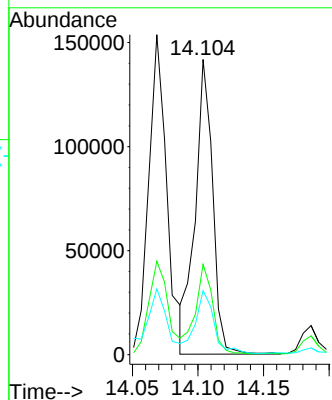
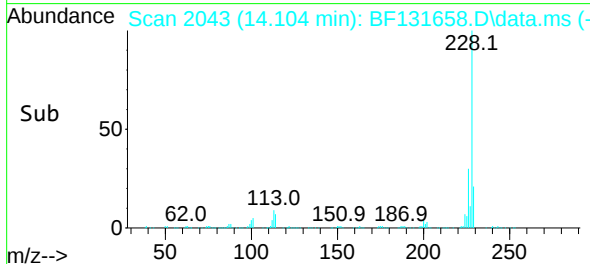
Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)



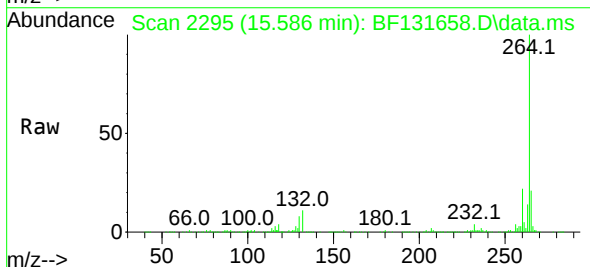
Tgt Ion:228 Resp: 131338
Ion Ratio Lower Upper
228 100
226 30.6 23.9 35.9
229 21.7 16.7 25.1

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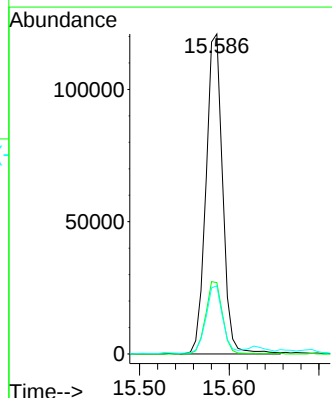
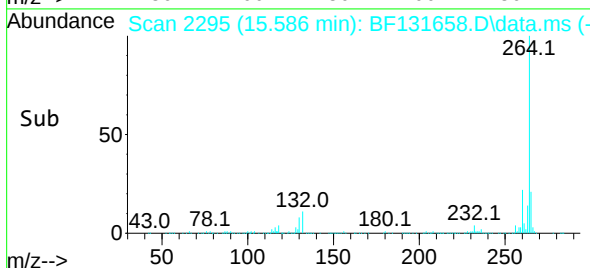
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

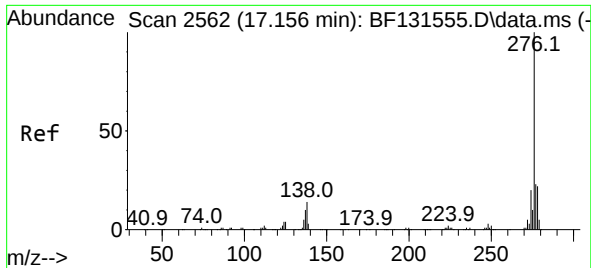


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



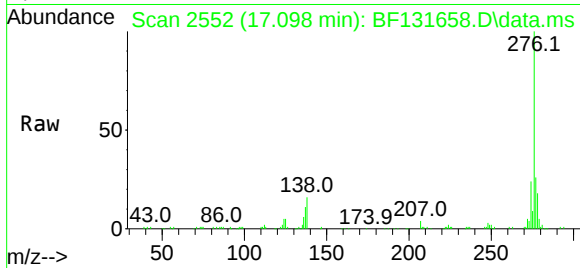
Tgt Ion:264 Resp: 155882
Ion Ratio Lower Upper
264 100
260 22.3 20.6 30.8
265 21.3 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.149 ng
RT: 17.098 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

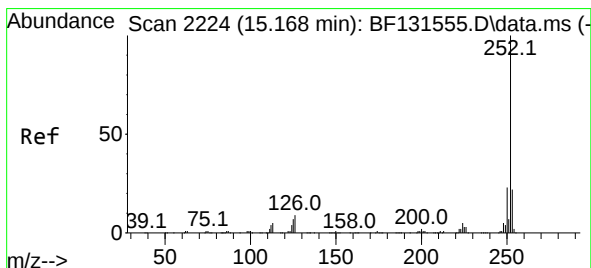
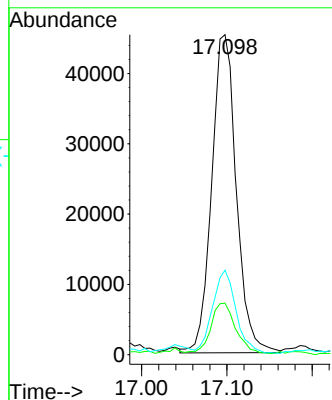
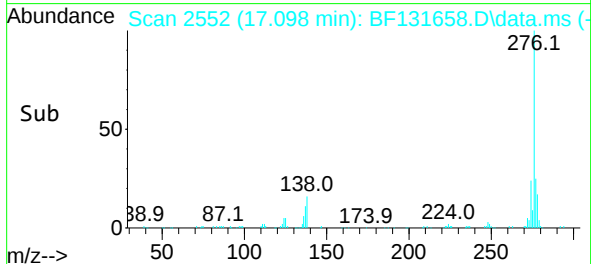
Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)



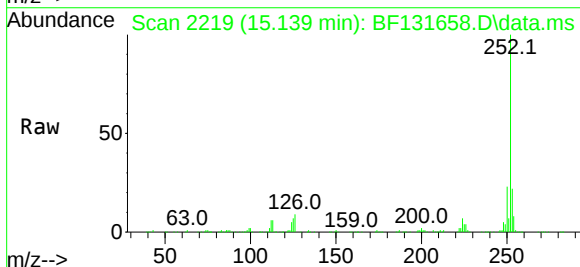
Tgt Ion:276 Resp: 9094
Ion Ratio Lower Upper
276 100
138 17.0 12.7 19.1
277 25.0 20.0 30.0

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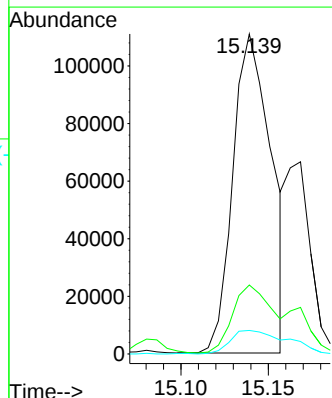
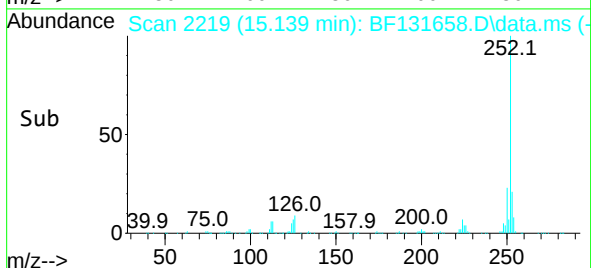
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

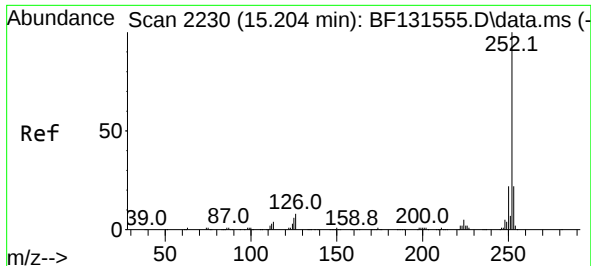


#88
Benzo(b)fluoranthene
Concen: 16.498 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.000 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



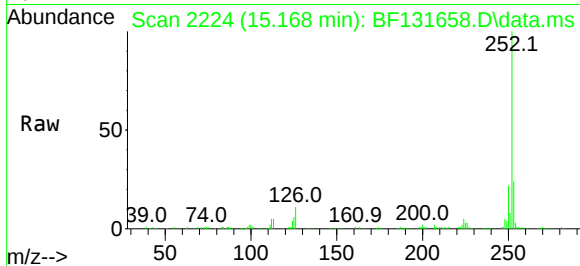
Tgt Ion:252 Resp: 169500
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 7.3 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 5.967 ng m
RT: 15.168 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03

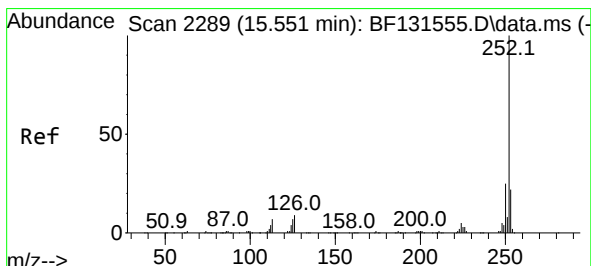
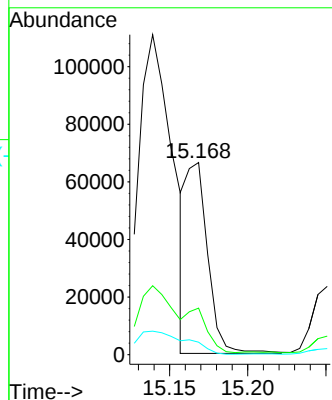
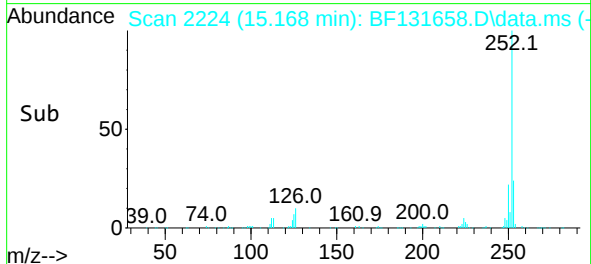
Instrument :
BNA_F
ClientSampleId :
RB-31-(1-3)



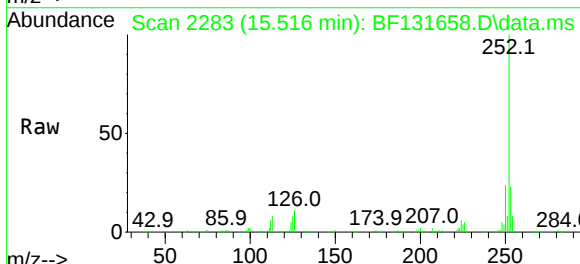
Tgt Ion:252 Resp: 6398
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 6.5 4.9 7.3

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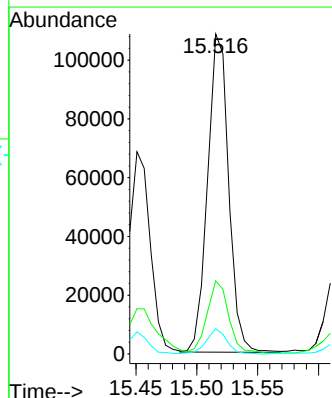
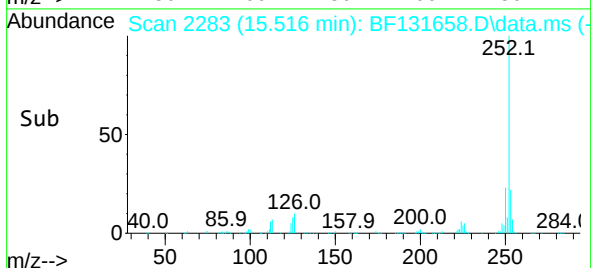
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

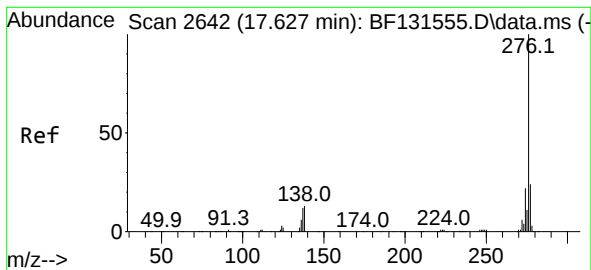


#90
Benzo(a)pyrene
Concen: 14.906 ng
RT: 15.516 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF131658.D
Acq: 15 Dec 2022 20:03



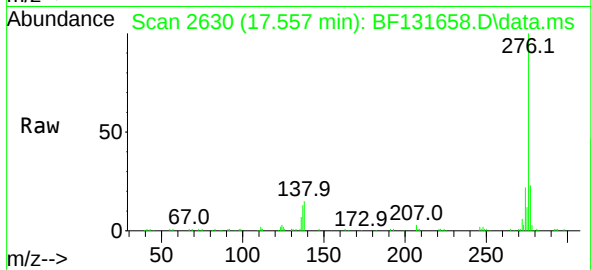
Tgt Ion:252 Resp: 130697
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 7.9 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.975 ng
 RT: 17.557 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF131658.D
 Acq: 15 Dec 2022 20:03

Instrument :
 BNA_F
 ClientSampleId :
 RB-31-(1-3)



Tgt Ion: 276 Resp: 8392
 Ion Ratio Lower Upper
 276 100
 277 23.0 19.0 28.6
 138 15.2 10.7 16.1

Manual Integrations
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Reviewed By : Jagrut Upadhyay 12/16/2022
 Supervised By : mohammad ahmed 12/17/2022

