

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135969.D
 Acq On : 26 Oct 2023 18:15
 Operator : CG\JU
 Sample : 04693-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 18:55:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	163393	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	627479	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	282259	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	411429	20.000	ng	0.00
76) Chrysene-d12	14.010	240	349411	20.000	ng	0.00
86) Perylene-d12	15.492	264	290699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	981011	92.712	ng	0.00
7) Phenol-d6	6.451	99	1202874	91.311	ng	0.00
23) Nitrobenzene-d5	7.387	82	654431	69.383	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	223957	90.649	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1200248	68.090	ng	0.00
79) Terphenyl-d14	12.951	244	1046482	50.040	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	123802	4.081	ng	99
37) 2-Methylnaphthalene	8.816	142	79599	3.966	ng	100
38) 1-Methylnaphthalene	8.916	142	77268	4.120	ng	99
49) Acenaphthylene	9.722	152	92695	3.714	ng	98
58) Fluorene	10.410	166	78747	4.555	ng	98
71) Phenanthrene	11.375	178	630921	30.310	ng	100
72) Anthracene	11.427	178	111069	5.211	ng	97
75) Fluoranthene	12.569	202	584813	26.705	ng	97
78) Pyrene	12.804	202	771279	26.289	ng	98
81) Benzo(a)anthracene	13.998	228	377826m	15.903	ng	
83) Chrysene	14.033	228	374313	16.177	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	103358	6.270	ng	97
88) Benzo(b)fluoranthene	15.057	252	319775m	18.484	ng	
89) Benzo(k)fluoranthene	15.080	252	105358m	6.201	ng	
90) Benzo(a)pyrene	15.427	252	243801	15.291	ng	98
91) Dibenzo(a,h)anthracene	17.009	278	28759	2.040	ng	93
92) Benzo(g,h,i)perylene	17.445	276	103721	9.721	ng	99

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

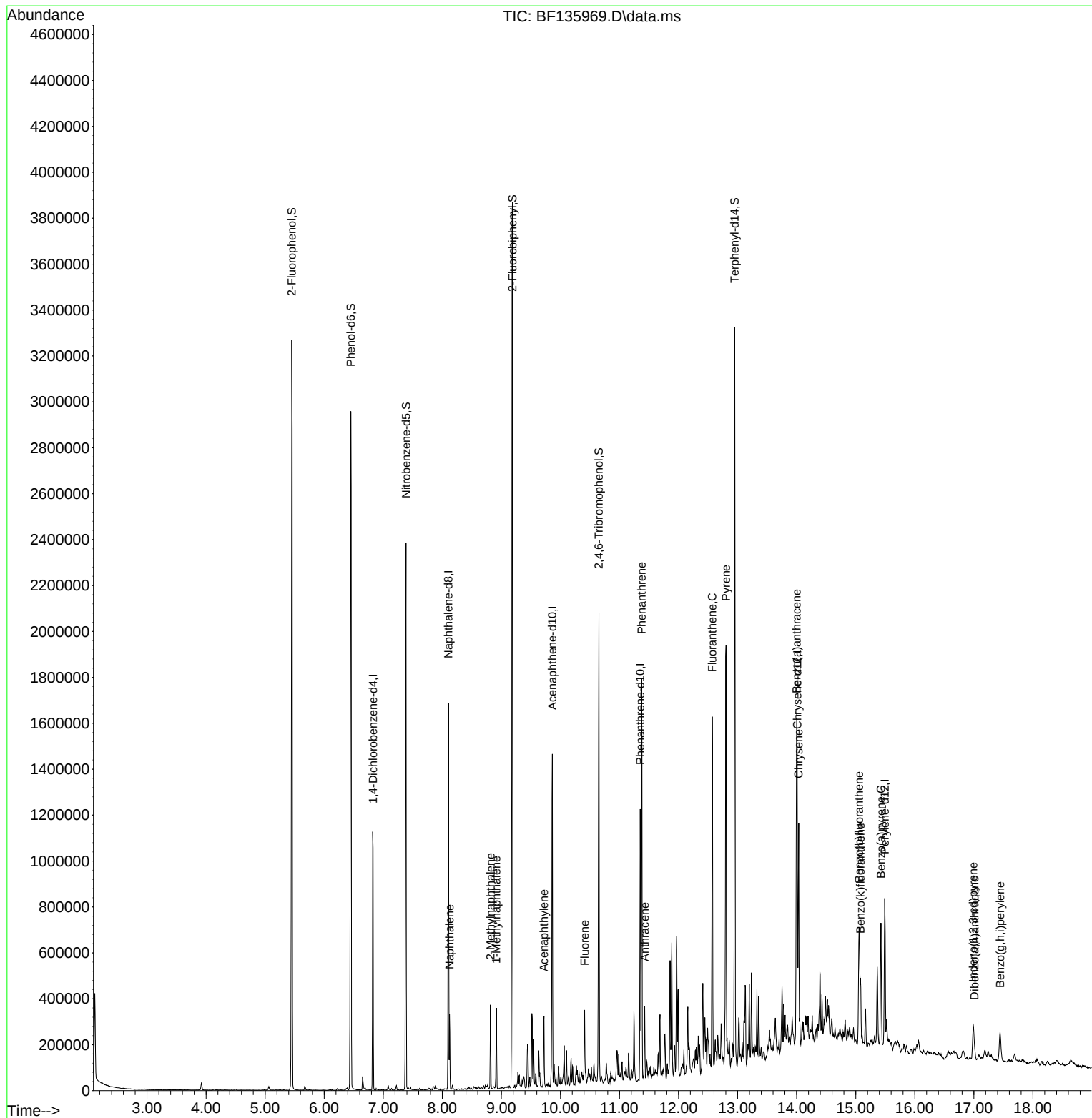
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
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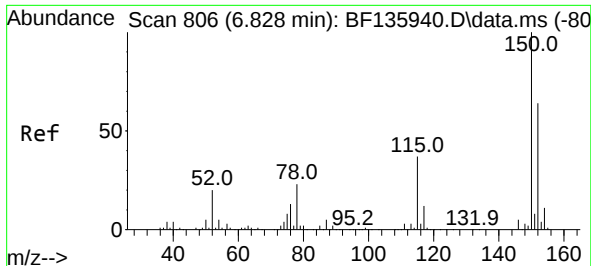
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Time: Oct 26 18:55:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
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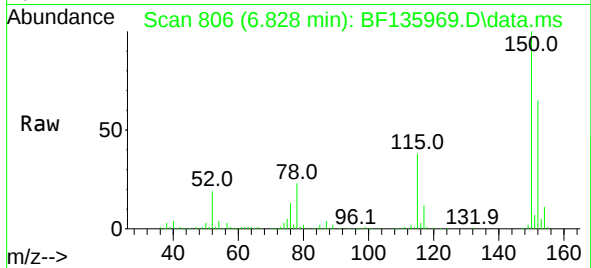
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

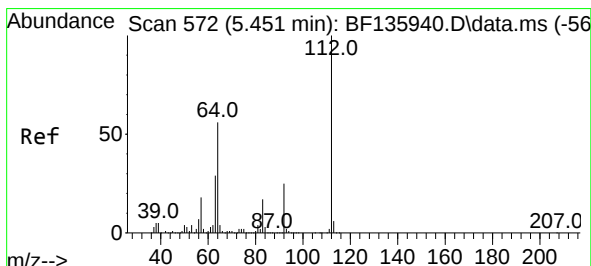
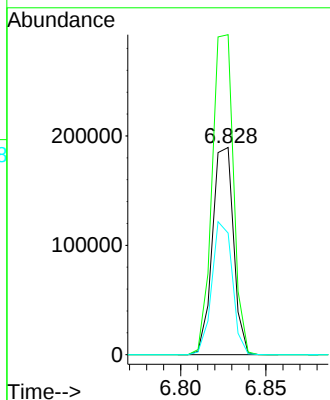
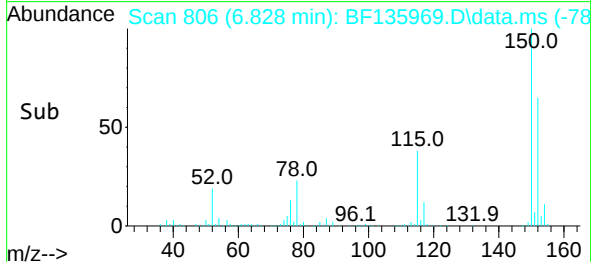
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



Tgt Ion:152 Resp: 16339
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 58.7 46.6 69.8

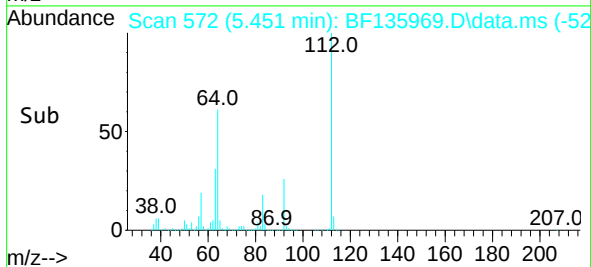
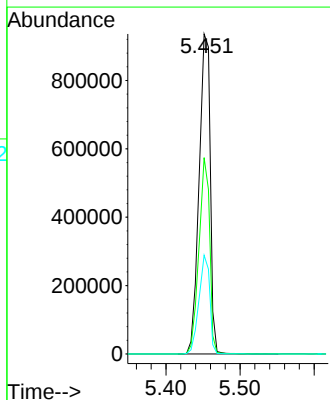
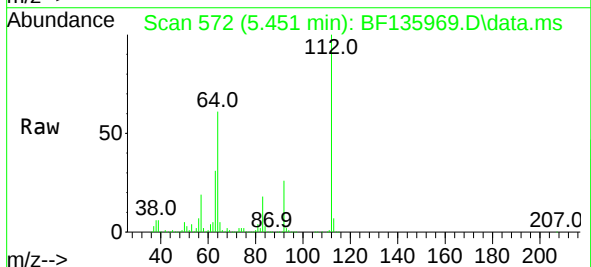
Manual Integrations
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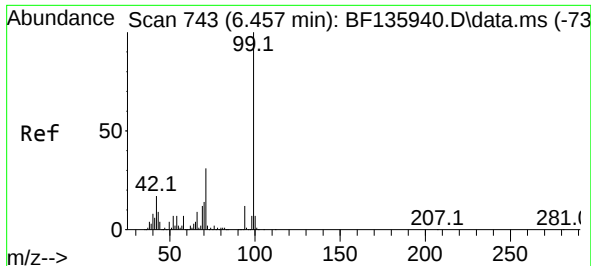
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#5
2-Fluorophenol
Concen: 92.712 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

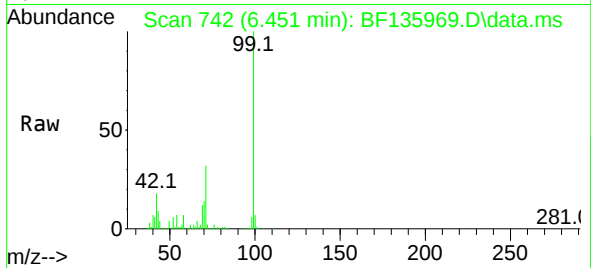
Tgt Ion:112 Resp: 981011
Ion Ratio Lower Upper
112 100
64 61.4 45.1 67.7
63 30.9 23.0 34.4





#7
Phenol-d6
Concen: 91.311 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

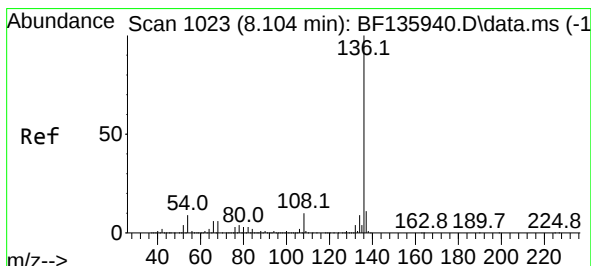
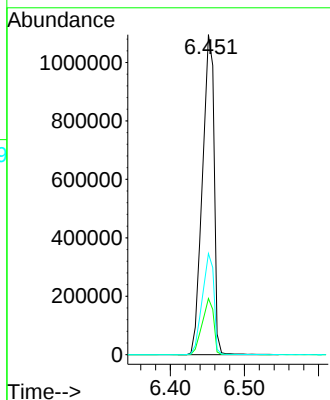
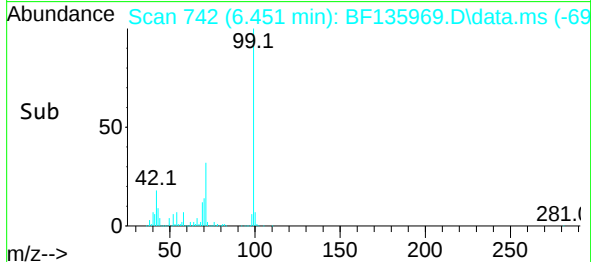
Instrument :
BNA_F
Client SampleId :
S-3(0-5)



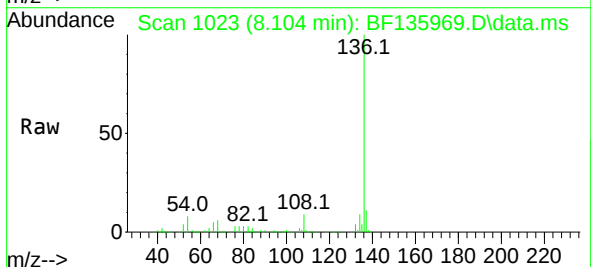
Tgt Ion: 99 Resp: 1202874
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.8
71 31.6 25.1 37.7

Manual Integrations
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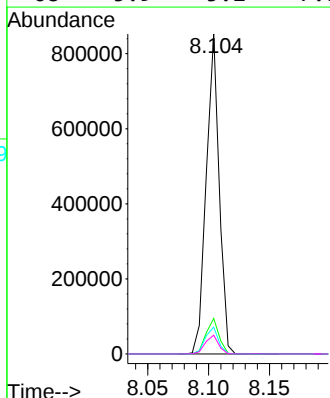
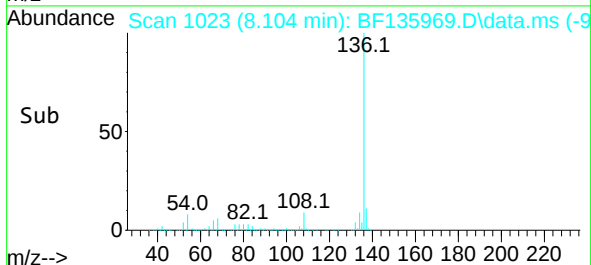
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

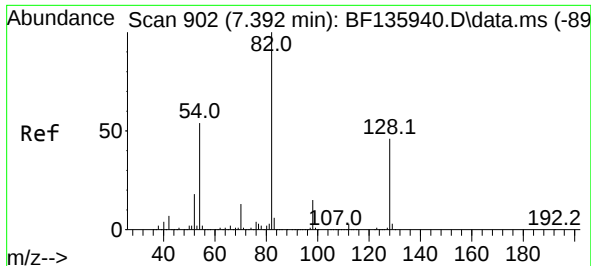


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15



Tgt Ion:136 Resp: 627479
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 8.4 7.1 10.7
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 69.383 ng

RT: 7.387 min Scan# 90

Delta R.T. -0.005 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion: 82 Resp: 65443

Ion Ratio Lower Upper

82 100

128 47.8 36.8 55.2

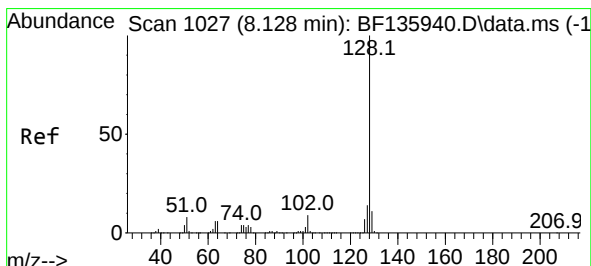
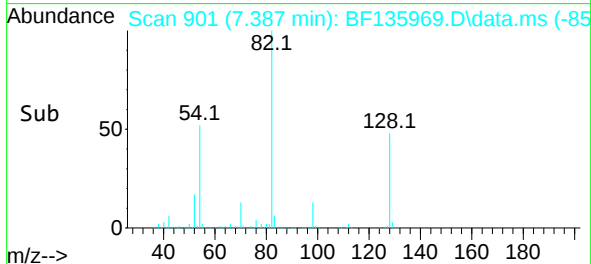
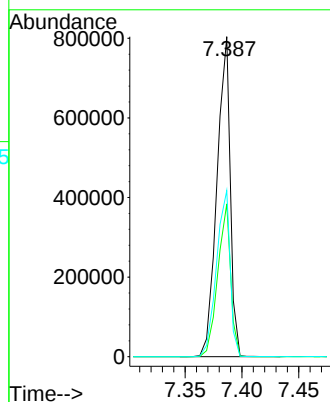
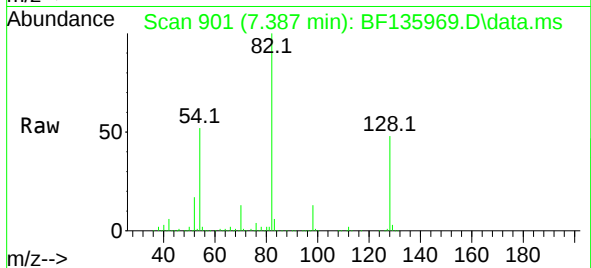
54 51.9 43.4 65.0

Manual Integrations

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#31

Naphthalene

Concen: 4.081 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

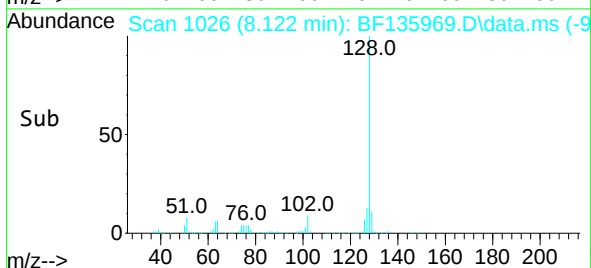
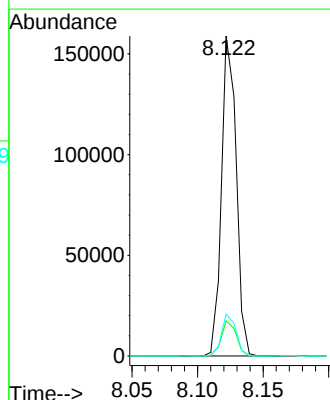
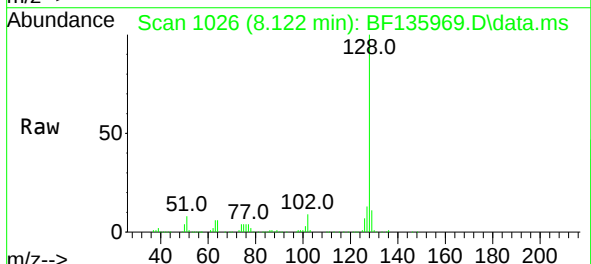
Tgt Ion:128 Resp: 123802

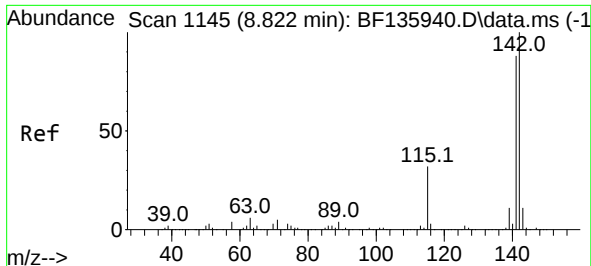
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.1 10.9 16.3





#37

2-Methylnaphthalene

Concen: 3.966 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:142 Resp: 7959

Ion Ratio Lower Upper

142 100

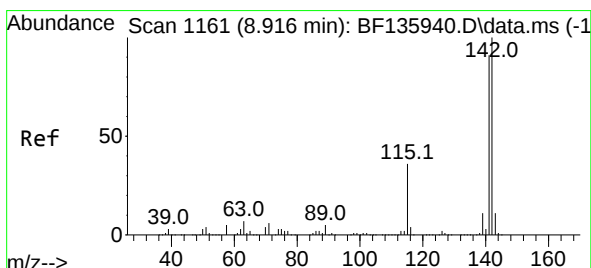
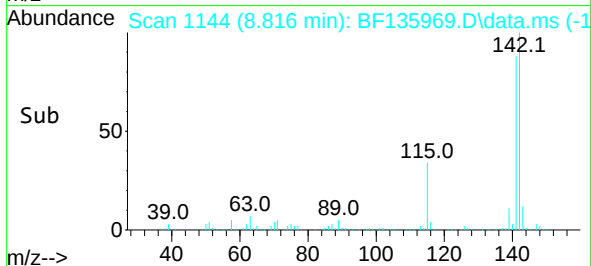
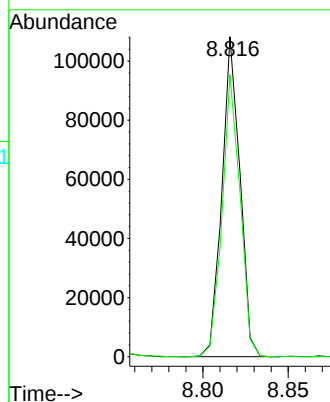
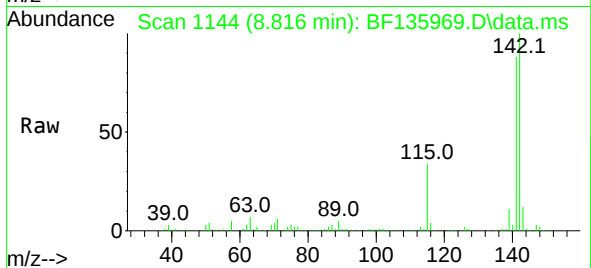
141 88.1 70.4 105.6

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 4.120 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF135969.D

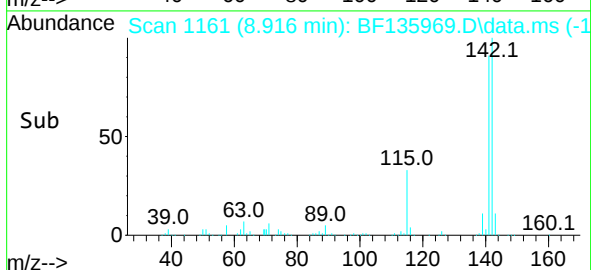
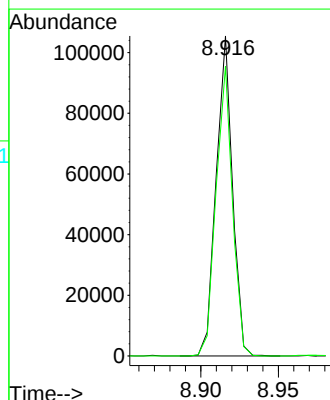
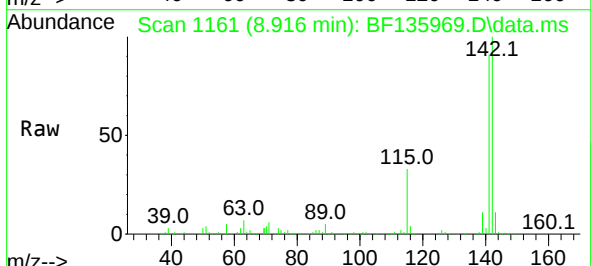
Acq: 26 Oct 2023 18:15

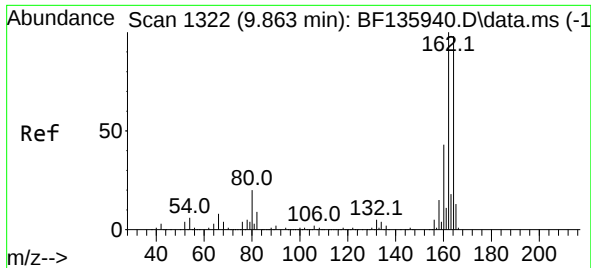
Tgt Ion:142 Resp: 77268

Ion Ratio Lower Upper

142 100

141 90.5 73.1 109.7





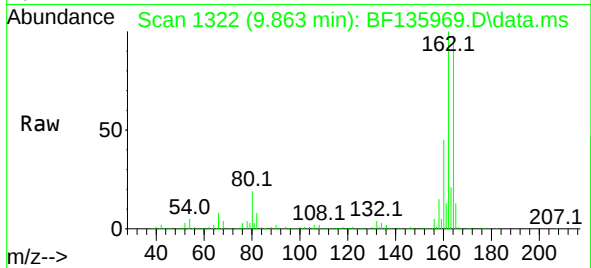
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

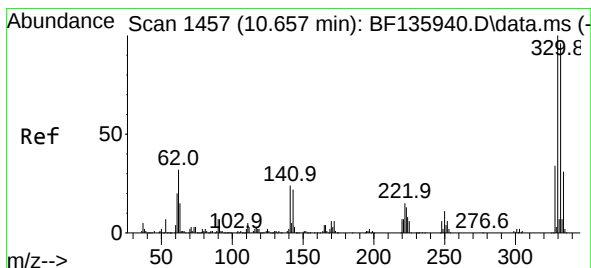
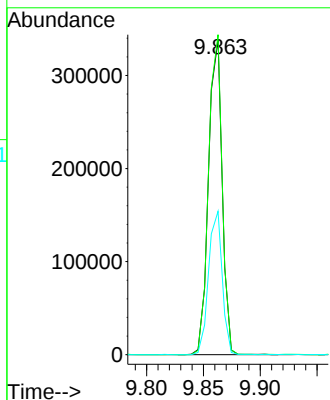
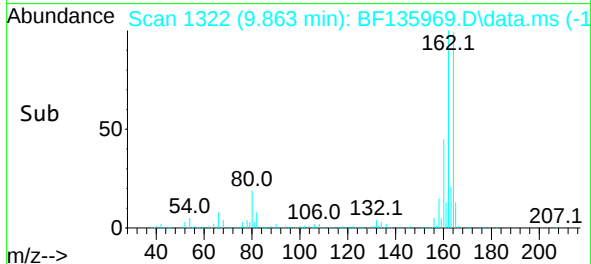
S-3(0-5)



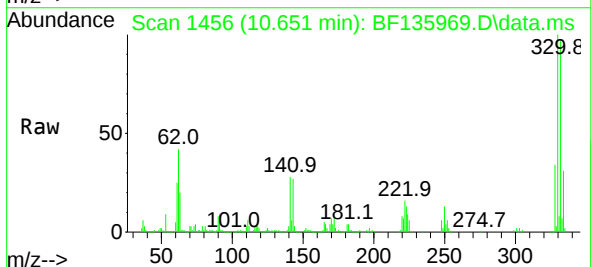
Tgt Ion:164 Resp: 282259
Ion Ratio Lower Upper
164 100
162 101.6 82.0 123.0
160 45.5 35.6 53.4

Manual Integrations
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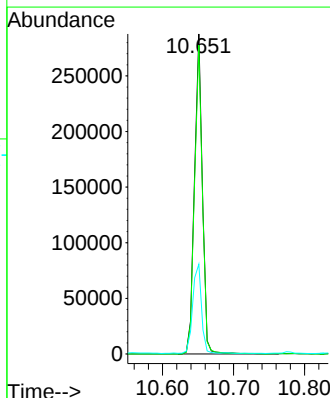
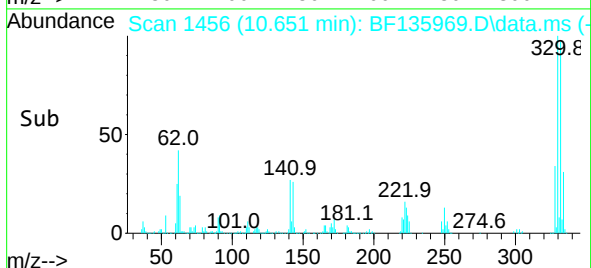
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

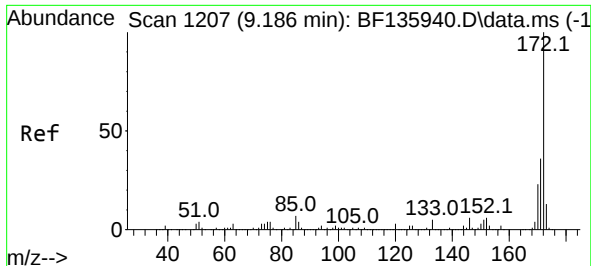


#42
2,4,6-Tribromophenol
Concen: 90.649 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15



Tgt Ion:330 Resp: 223957
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 30.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 68.090 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:172 Resp: 120024

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

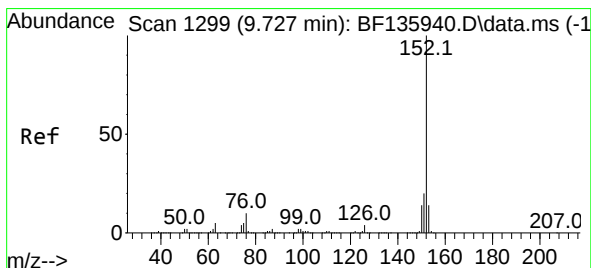
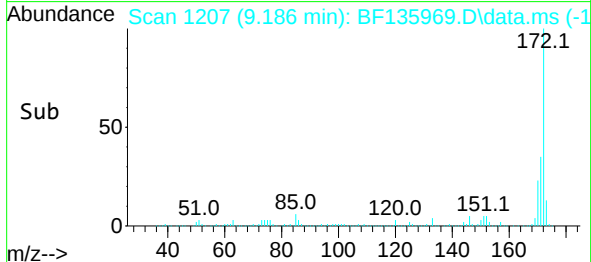
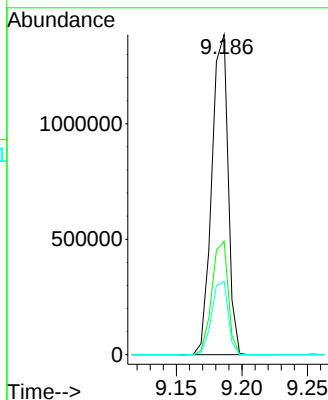
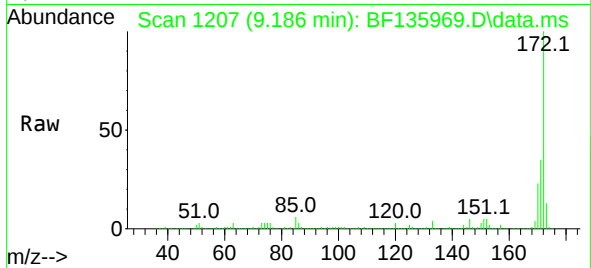
170 22.9 18.6 28.0

Manual Integrations

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Supervised By :mohammad ahmed 10/27/2023



#49

Acenaphthylene

Concen: 3.714 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

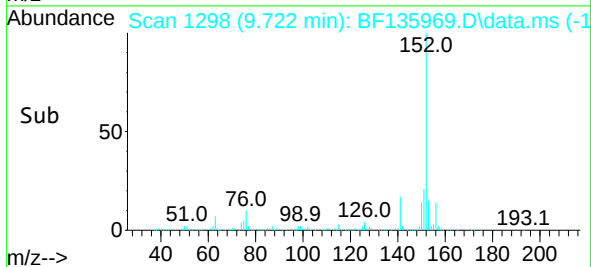
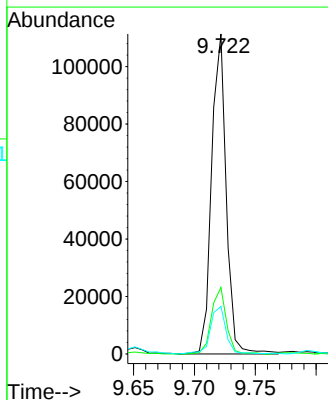
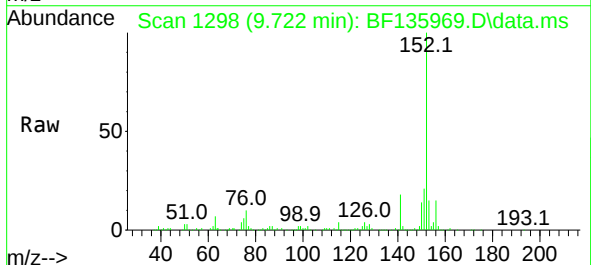
Tgt Ion:152 Resp: 92695

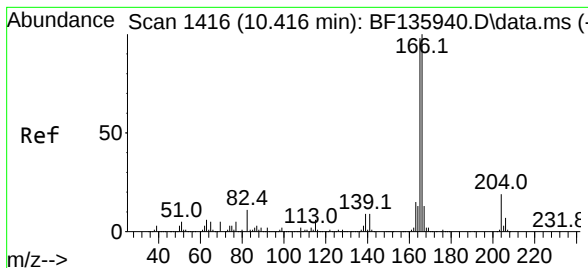
Ion Ratio Lower Upper

152 100

151 20.8 16.0 24.0

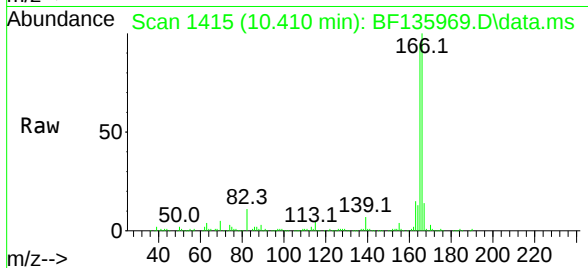
153 14.9 11.0 16.6





#58
Fluorene
Concen: 4.555 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

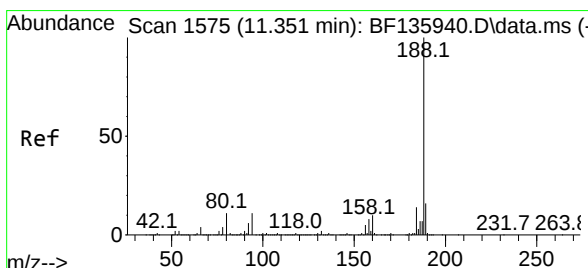
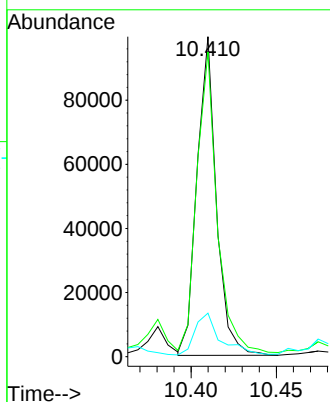
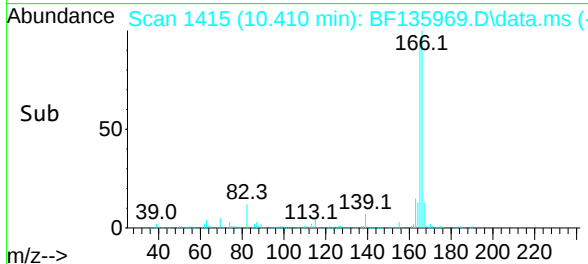
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



Tgt Ion:166 Resp: 7874
Ion Ratio Lower Upper
166 100
165 95.3 78.0 117.0
167 13.6 10.6 16.0

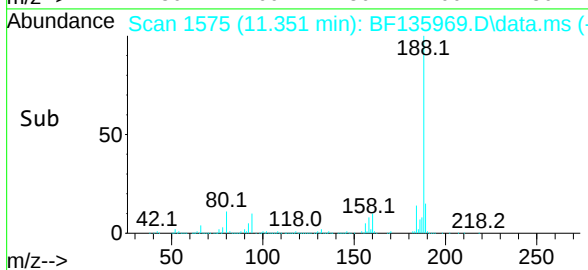
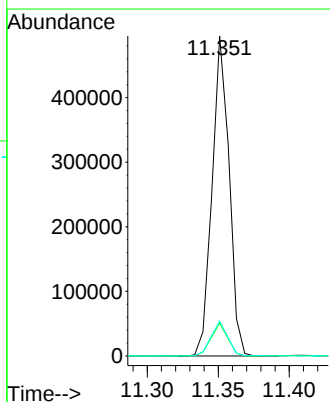
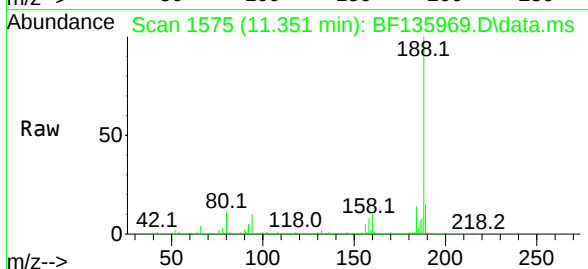
Manual Integrations
APPROVED

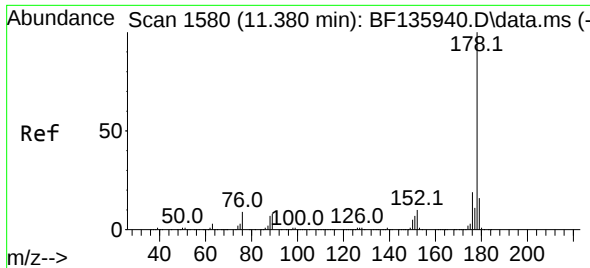
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

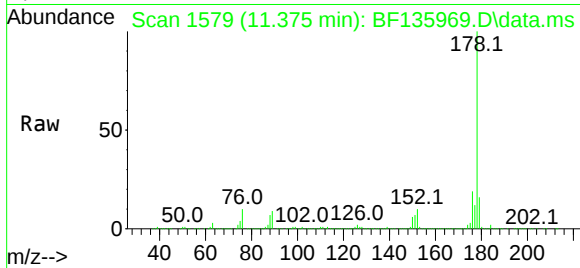
Tgt Ion:188 Resp: 411429
Ion Ratio Lower Upper
188 100
94 10.3 8.6 13.0
80 10.9 9.0 13.6





#71
Phenanthrene
Concen: 30.310 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

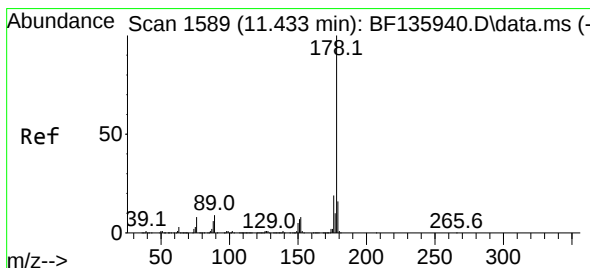
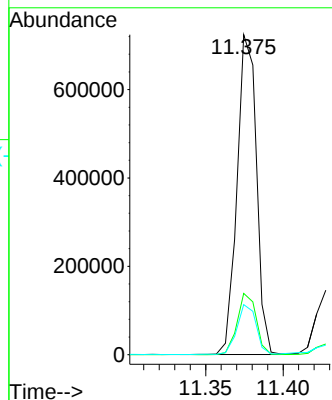
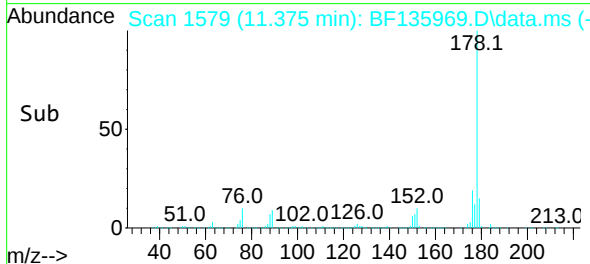
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



Tgt Ion:178 Resp: 63092
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.5 18.7

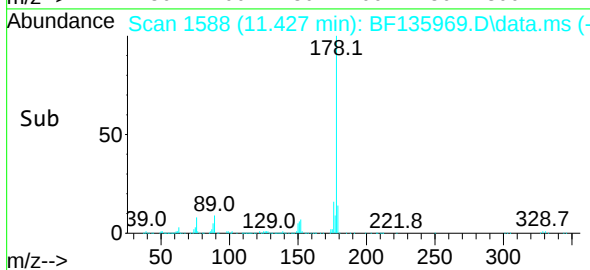
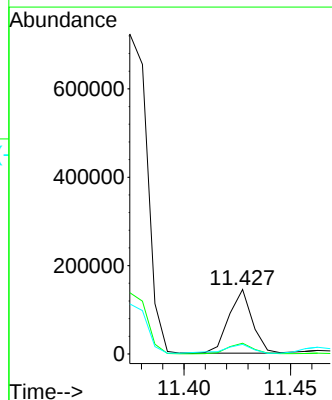
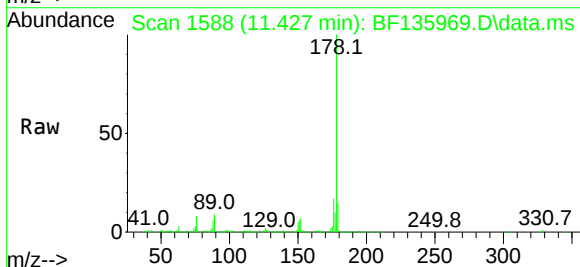
Manual Integrations
APPROVED

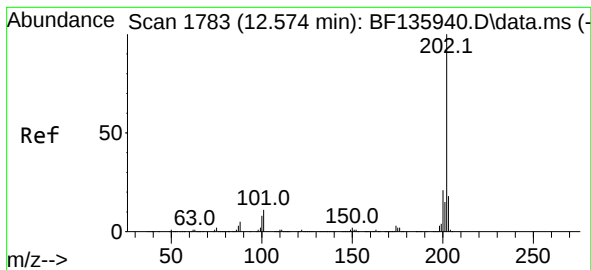
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#72
Anthracene
Concen: 5.211 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

Tgt Ion:178 Resp: 111069
Ion Ratio Lower Upper
178 100
176 16.6 14.9 22.3
179 15.0 12.5 18.7





#75

Fluoranthene

Concen: 26.705 ng

RT: 12.569 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

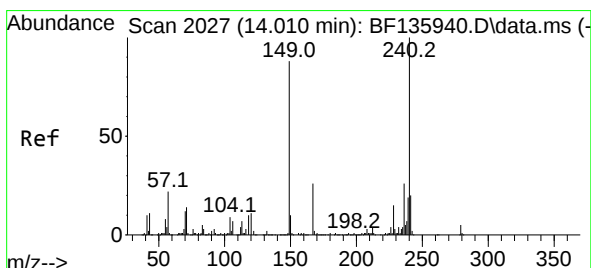
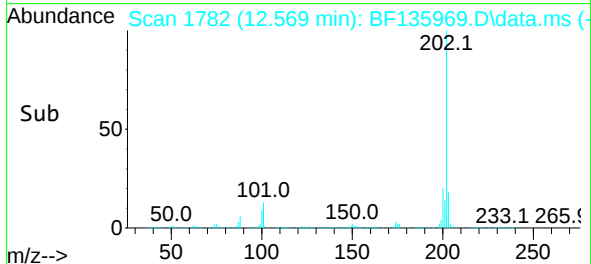
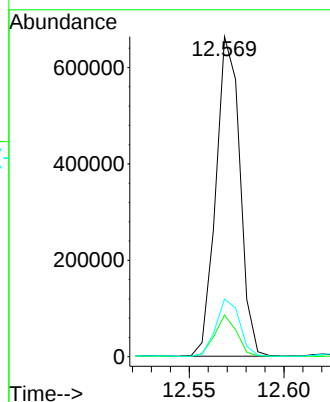
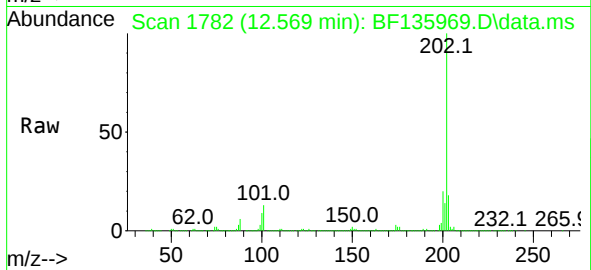
Tgt Ion:	202	Resp:	58481
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	30.6
203	18.0	0.0	37.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#76

Chrysene-d12

Concen: 20.000 ng

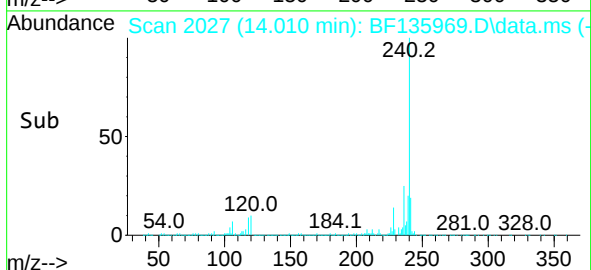
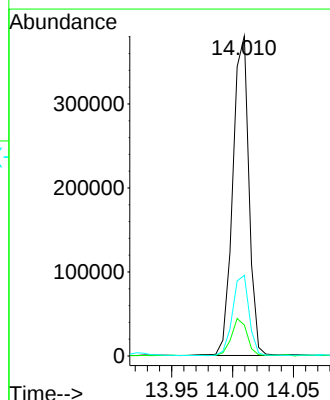
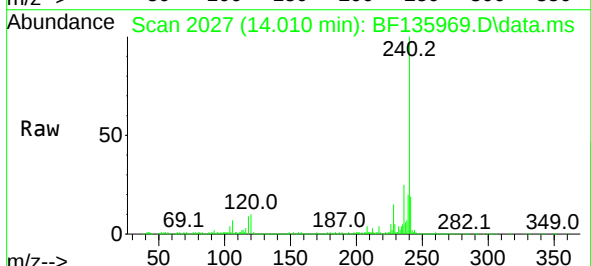
RT: 14.010 min Scan# 2027

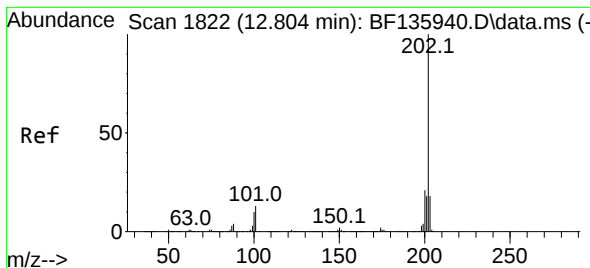
Delta R.T. 0.000 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Tgt Ion:	240	Resp:	349411
Ion Ratio	Lower	Upper	
240	100		
120	9.7	8.6	13.0
236	25.2	20.6	30.8





#78

Pyrene

Concen: 26.289 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:202 Resp: 771279

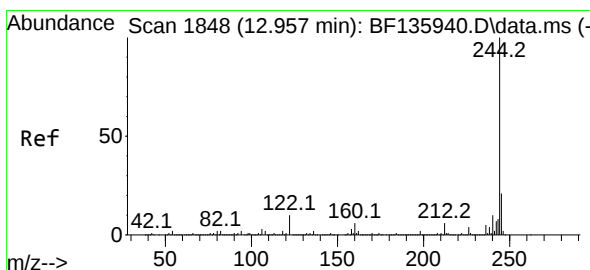
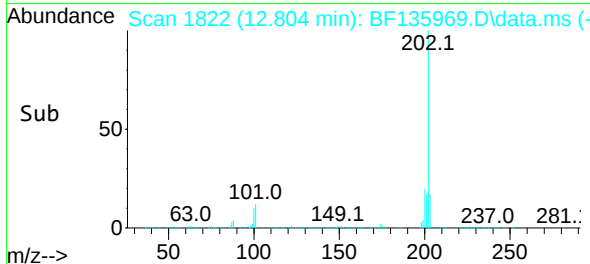
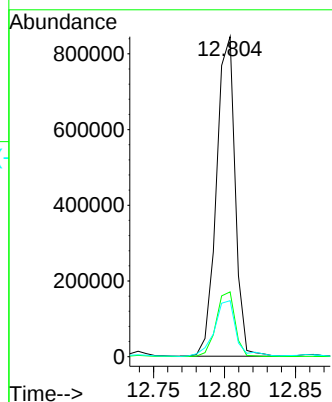
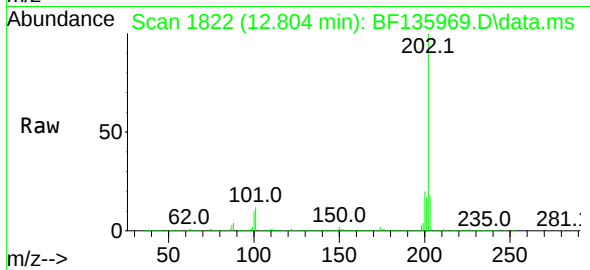
Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	17.5	14.5	21.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#79

Terphenyl-d14

Concen: 50.040 ng

RT: 12.951 min Scan# 1847

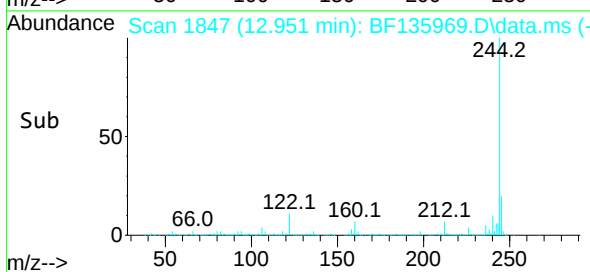
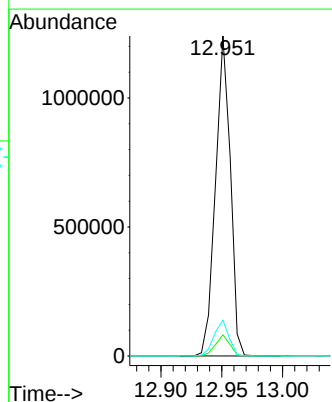
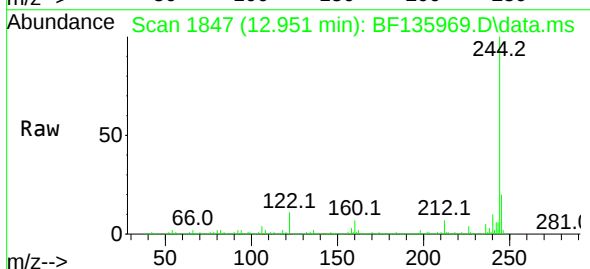
Delta R.T. -0.006 min

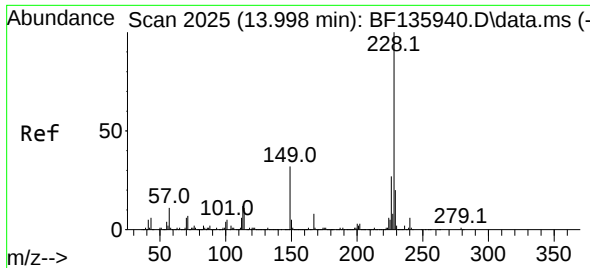
Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Tgt Ion:244 Resp: 1046482

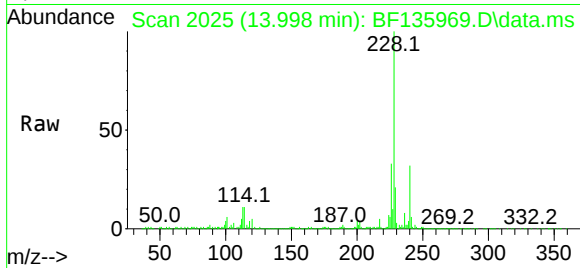
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.6
122	11.1	8.0	12.0





#81
Benzo(a)anthracene
Concen: 15.903 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

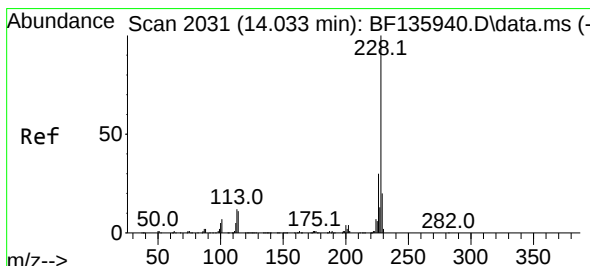
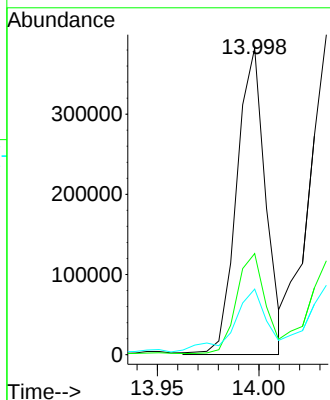
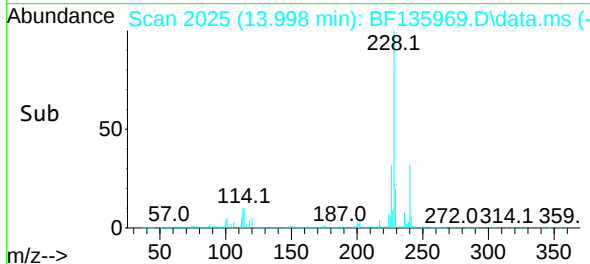
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



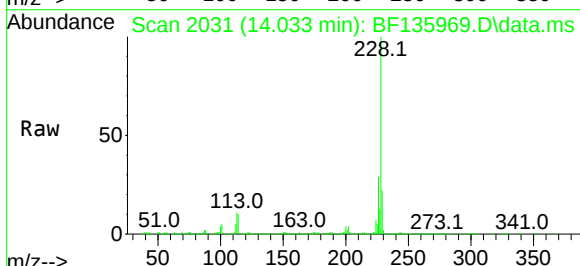
Tgt Ion:228 Resp: 377820
Ion Ratio Lower Upper
228 100
226 33.0 21.8 32.6
229 21.4 16.2 24.4

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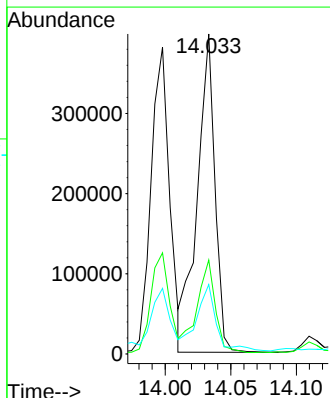
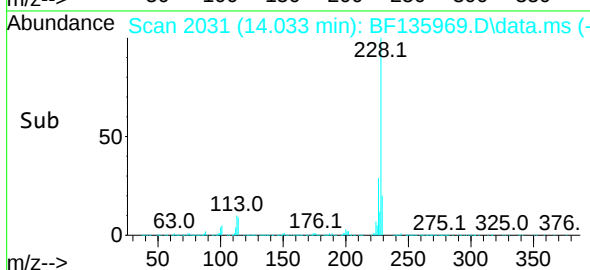
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

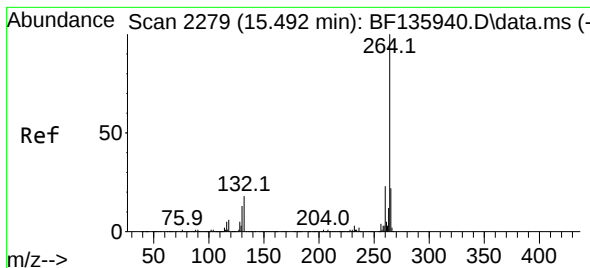


#83
Chrysene
Concen: 16.177 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15



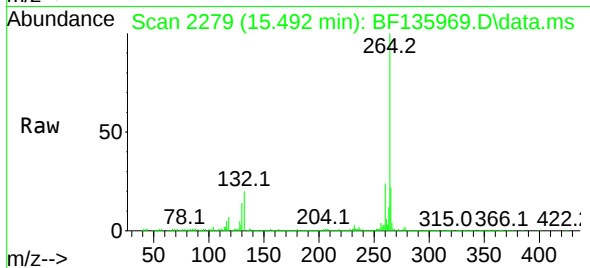
Tgt Ion:228 Resp: 374313
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 21.7 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

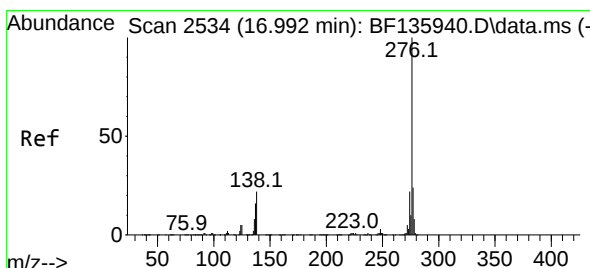
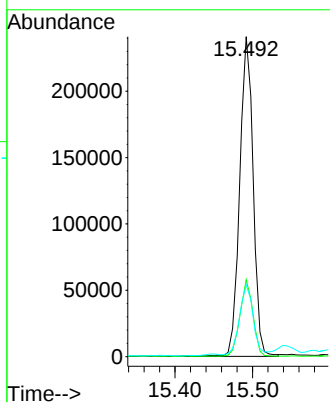
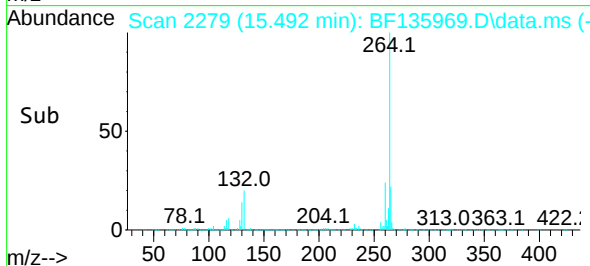
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



Tgt Ion:264 Resp: 290699
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 22.5 17.3 25.9

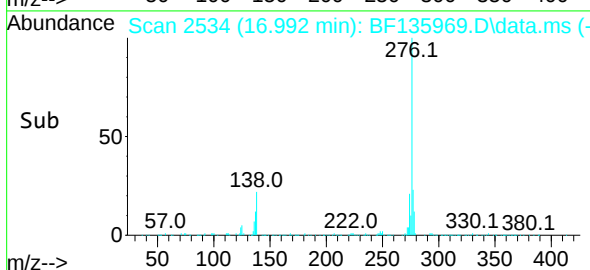
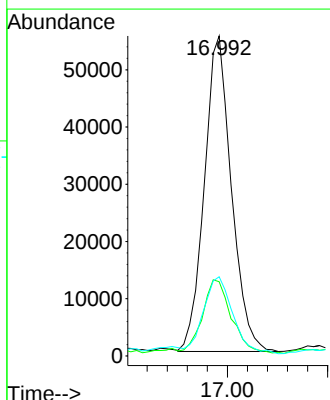
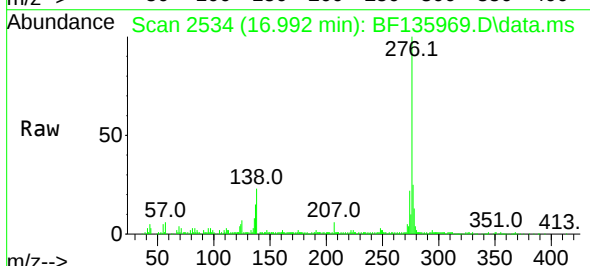
Manual Integrations
APPROVED

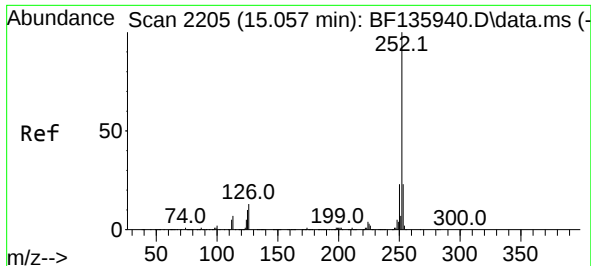
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.270 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

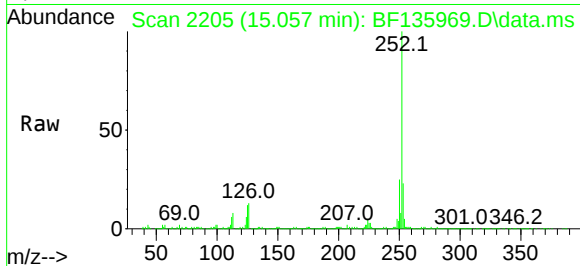
Tgt Ion:276 Resp: 103358
Ion Ratio Lower Upper
276 100
138 26.1 21.8 32.6
277 26.5 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 18.484 ng m
RT: 15.057 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

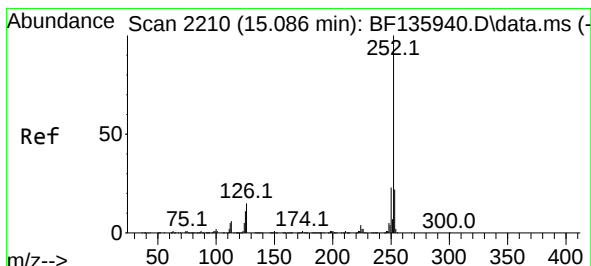
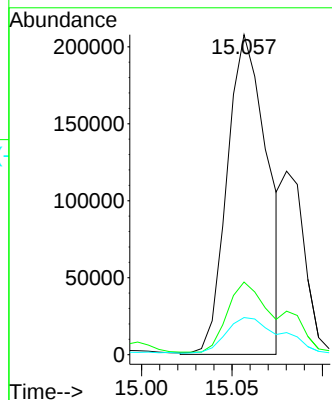
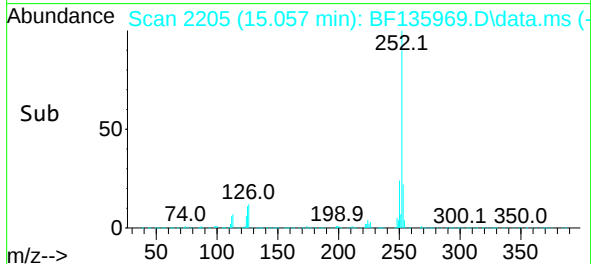
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



Tgt Ion:252 Resp: 31977
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.6 8.2 12.4

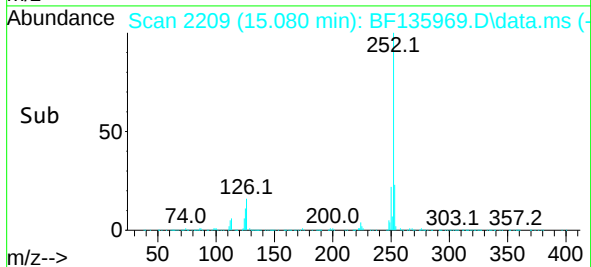
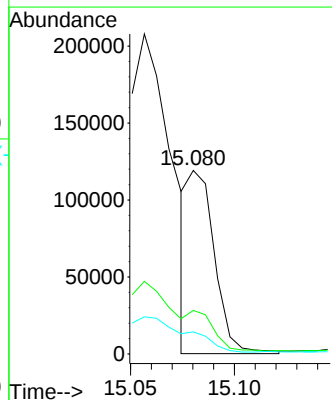
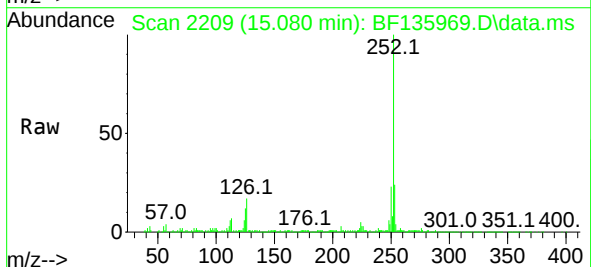
Manual Integrations
APPROVED

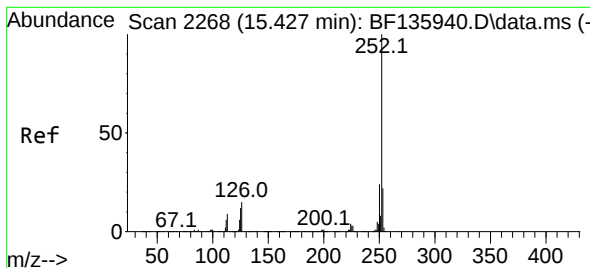
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#89
Benzo(k)fluoranthene
Concen: 6.201 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF135969.D
Acq: 26 Oct 2023 18:15

Tgt Ion:252 Resp: 105358
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 12.1 8.5 12.7





#90

Benzo(a)pyrene

Concen: 15.291 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

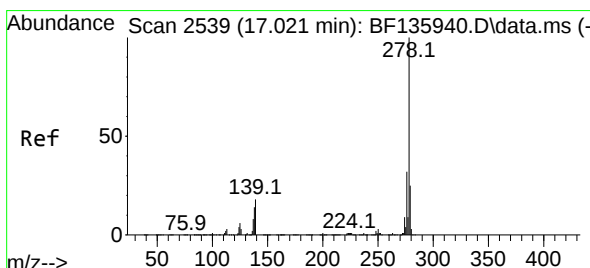
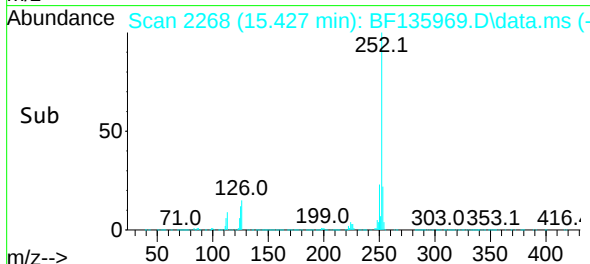
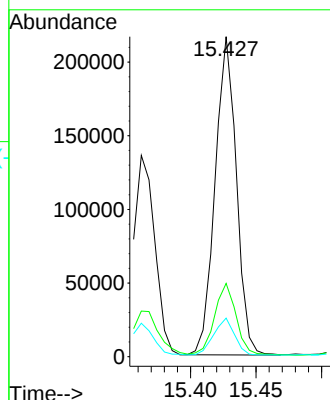
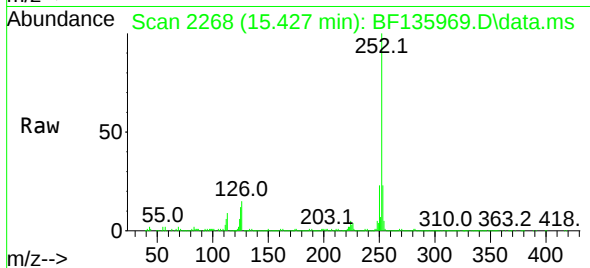
S-3(0-5)

Tgt Ion:252 Resp: 24380
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.2
 125 12.0 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.040 ng

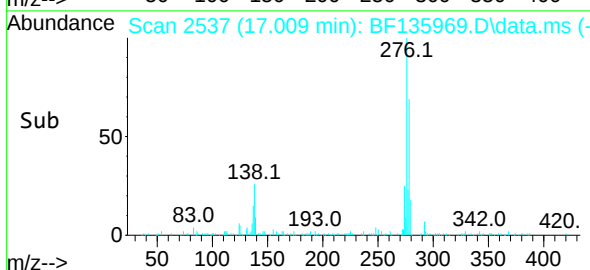
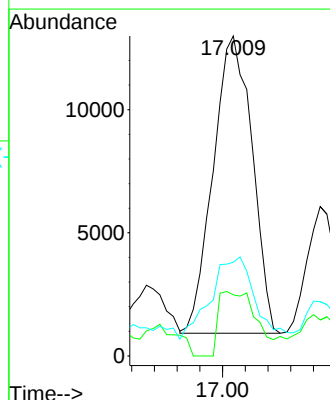
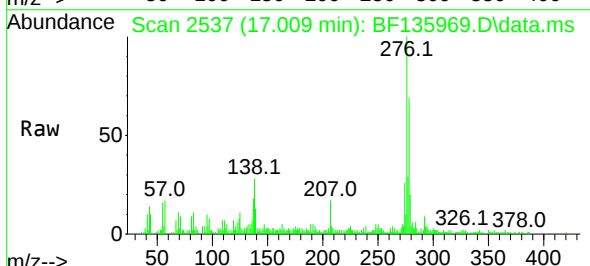
RT: 17.009 min Scan# 2537

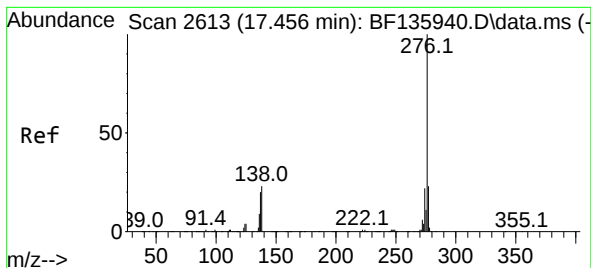
Delta R.T. -0.012 min

Lab File: BF135969.D

Acq: 26 Oct 2023 18:15

Tgt Ion:278 Resp: 28759
 Ion Ratio Lower Upper
 278 100
 139 19.1 14.0 21.0
 279 29.3 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 9.721 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF135969.D

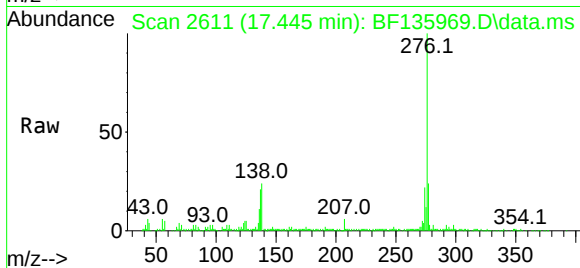
Acq: 26 Oct 2023 18:15

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)



Tgt Ion:276 Resp: 10372

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 23.9 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023

