

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135801.D
 Acq On : 17 Oct 2023 04:00
 Operator : CG\JU
 Sample : 04704-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-3(10-15)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 17 04:38:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	100130	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	352403	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	153068	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	259410	20.000	ng	0.00
76) Chrysene-d12	13.945	240	153394	20.000	ng	0.00
86) Perylene-d12	15.421	264	134755	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	114046	18.312	ng	0.00
7) Phenol-d6	6.392	99	146197	18.814	ng	0.00
23) Nitrobenzene-d5	7.304	82	87362	13.635	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	24263	16.519	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	163822	16.734	ng	-0.01
79) Terphenyl-d14	12.869	244	139982	16.900	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.039	128	980012	57.015	ng	99
37) 2-Methylnaphthalene	8.733	142	386607	34.138	ng	98
38) 1-Methylnaphthalene	8.833	142	733275	70.202	ng	98
46) 1,1'-Biphenyl	9.192	154	170683	14.557	ng	100
49) Acenaphthylene	9.639	152	402637	28.792	ng	98
52) Acenaphthene	9.804	154	116849	13.941	ng	99
55) Dibenzofuran	9.980	168	78873	6.236	ng	# 83
58) Fluorene	10.328	166	474535	47.927	ng	99
71) Phenanthrene	11.310	178	1826685	146.994	ng	100
72) Anthracene	11.351	178	392873	30.509	ng	99
73) Carbazole	11.516	167	30710	2.557	ng	# 91
75) Fluoranthene	12.504	202	1181966	85.697	ng	99
78) Pyrene	12.739	202	1692212	138.825	ng	98
81) Benzo(a)anthracene	13.933	228	615916	61.130	ng	93
83) Chrysene	13.968	228	546175	55.967	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	159904	21.778	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	398511m	52.840	ng	
89) Benzo(k)fluoranthene	15.015	252	104834m	14.318	ng	
90) Benzo(a)pyrene	15.362	252	393874	55.539	ng	98
91) Dibenzo(a,h)anthracene	16.921	278	47745	7.932	ng	# 86
92) Benzo(g,h,i)perylene	17.380	276	170915	27.643	ng	95

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

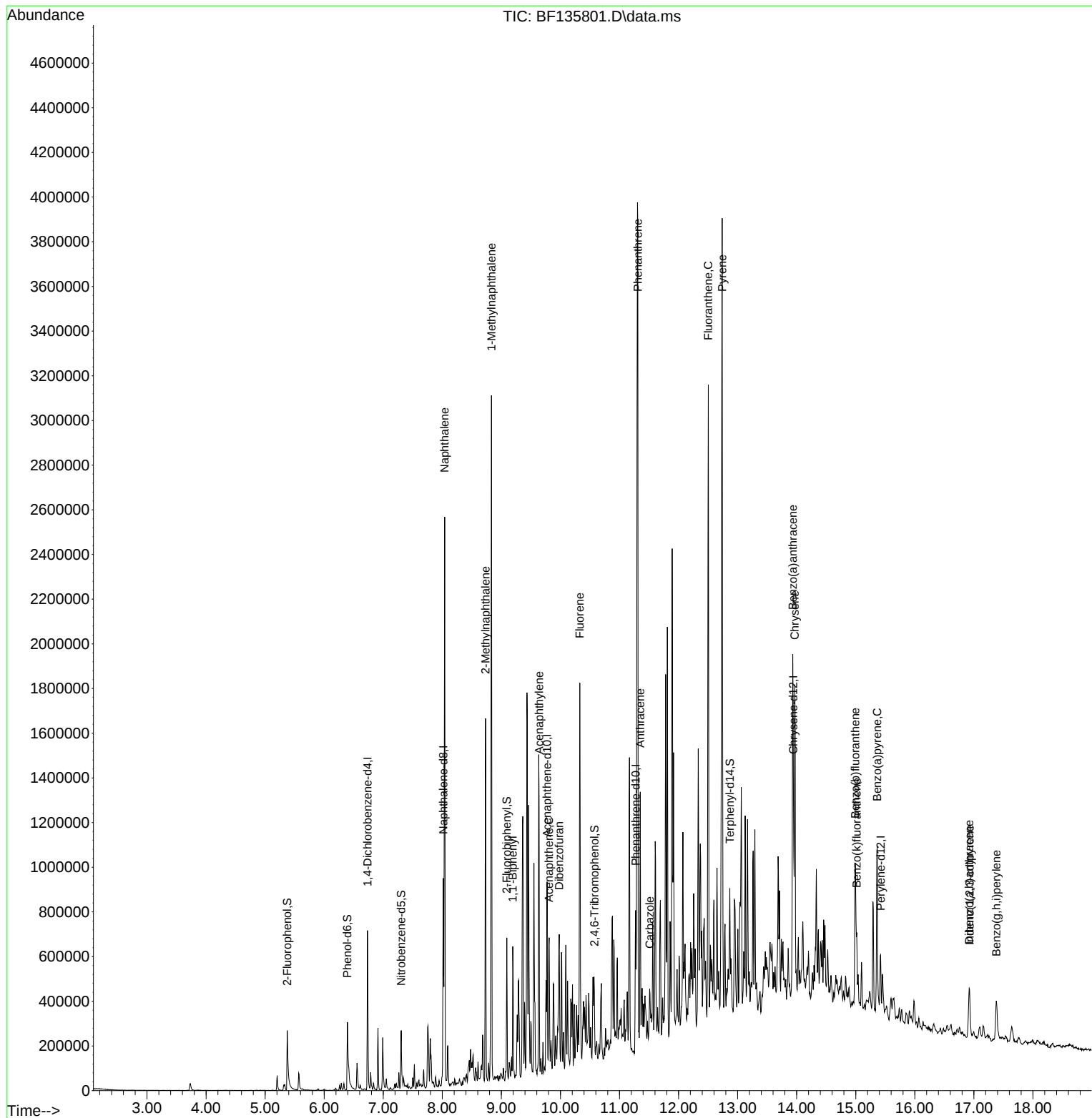
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135801.D
Acq On : 17 Oct 2023 04:00
Operator : CG\JU
Sample : 04704-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R-3(10-15)

Quant Time: Oct 17 04:38:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

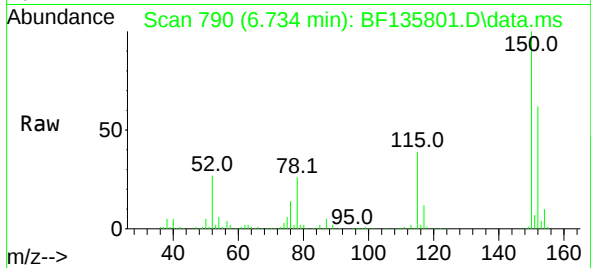
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

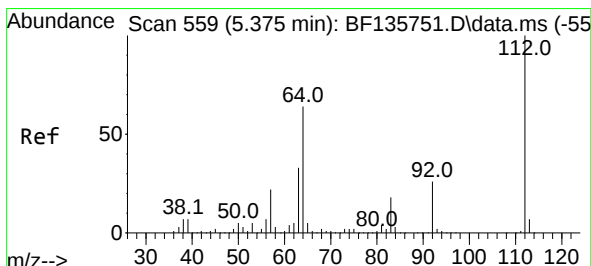
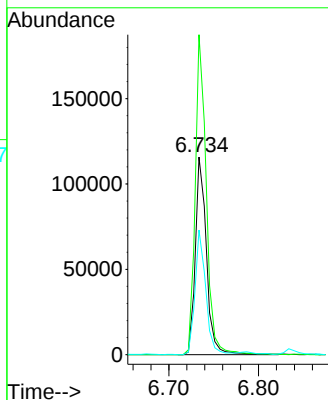
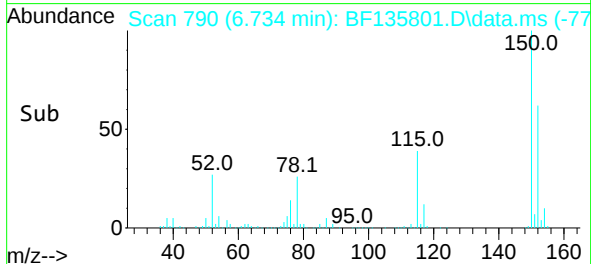
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



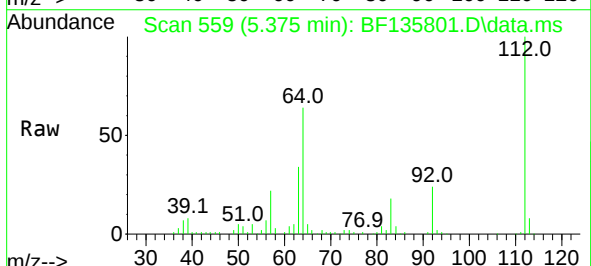
Tgt Ion:152 Resp: 100130
Ion Ratio Lower Upper
152 100
150 162.0 124.5 186.7
115 63.1 49.0 73.4

Manual Integrations
APPROVED

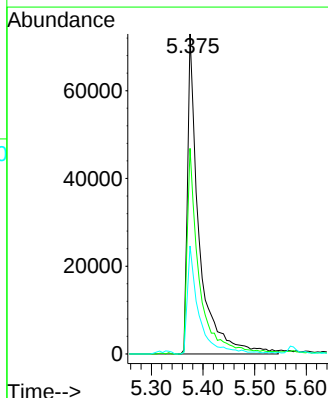
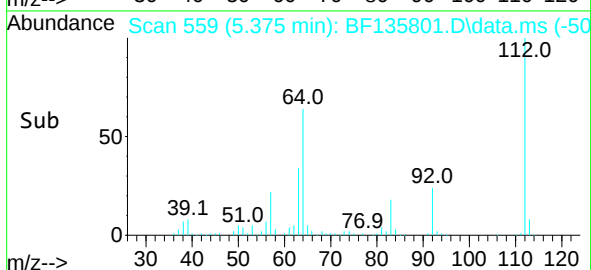
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

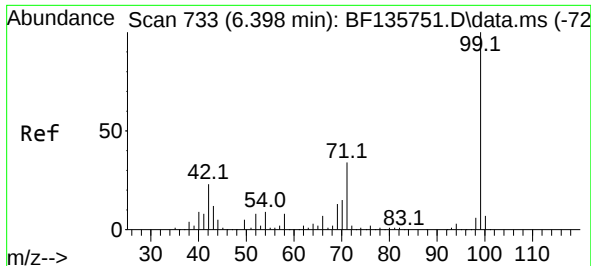


#5
2-Fluorophenol
Concen: 18.312 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00



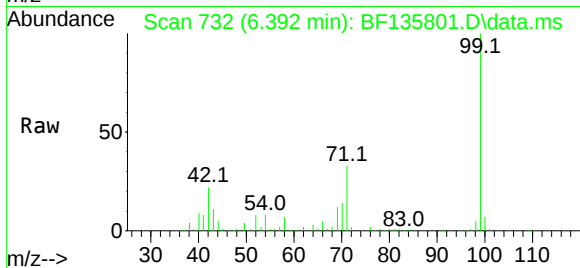
Tgt Ion:112 Resp: 114046
Ion Ratio Lower Upper
112 100
64 64.2 51.2 76.8
63 33.8 26.1 39.1





#7
Phenol-d6
Concen: 18.814 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

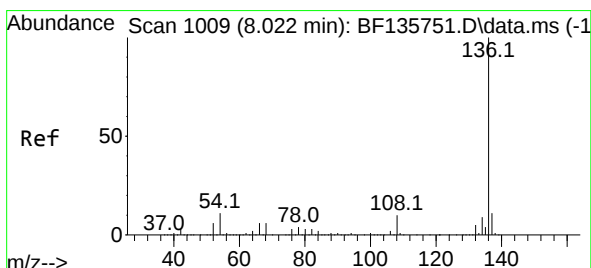
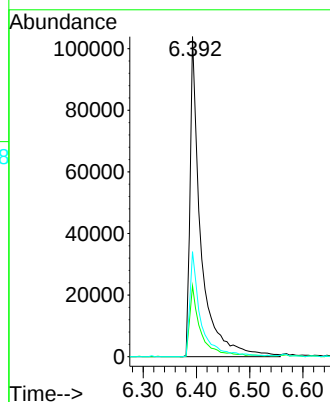
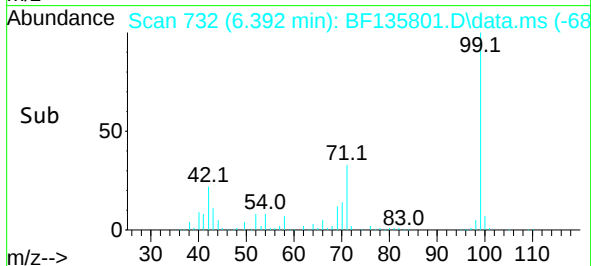
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



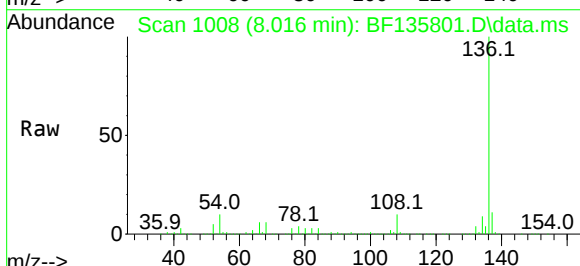
Tgt Ion: 99 Resp: 14619
Ion Ratio Lower Upper
99 100
42 22.1 18.4 27.6
71 32.8 27.2 40.8

Manual Integrations
APPROVED

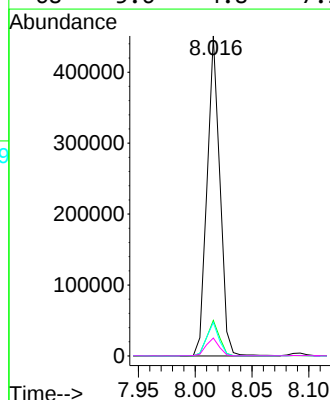
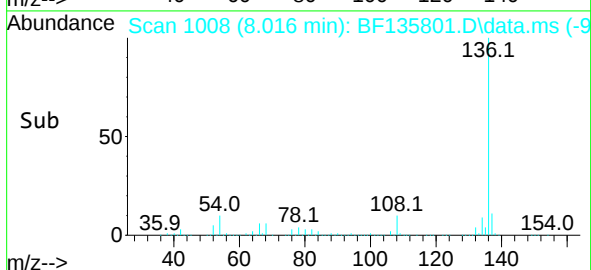
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

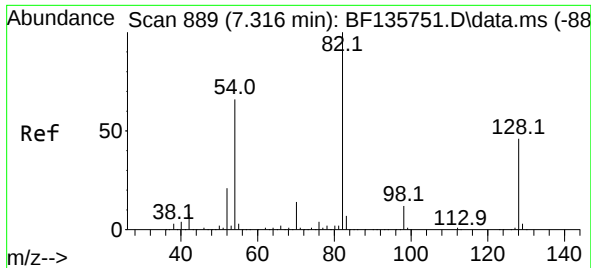


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00



Tgt Ion:136 Resp: 352403
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.5 8.5 12.7
68 5.6 4.8 7.2





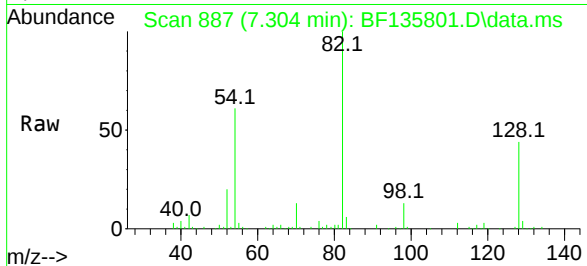
#23
Nitrobenzene-d5
Concen: 13.635 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)

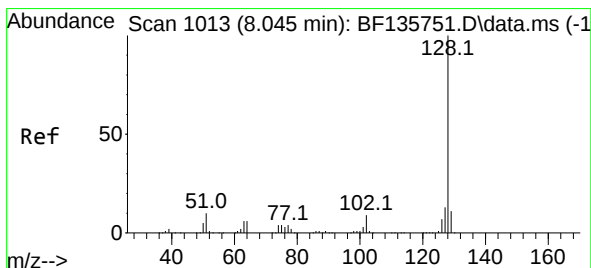
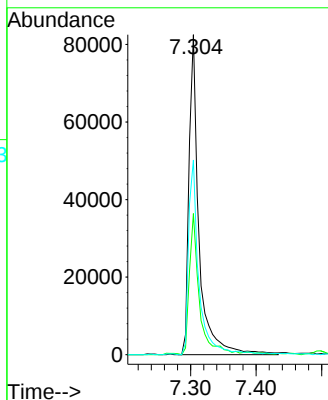
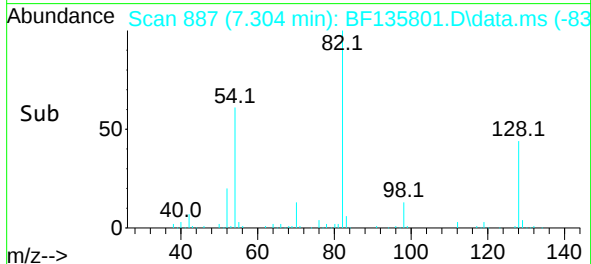


Tgt Ion: 82 Resp: 87362
Ion Ratio Lower Upper
82 100
128 44.1 37.0 55.6
54 60.9 52.8 79.2

Manual Integrations

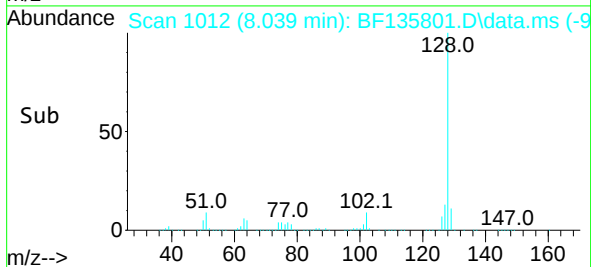
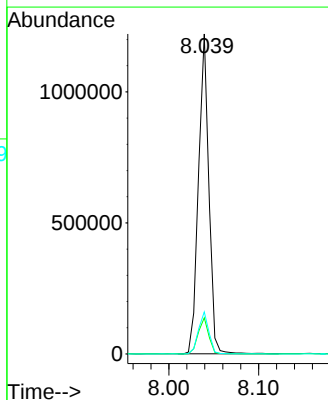
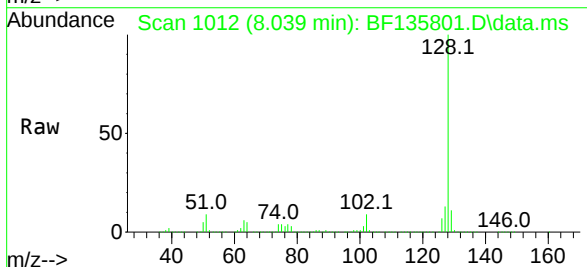
APPROVED

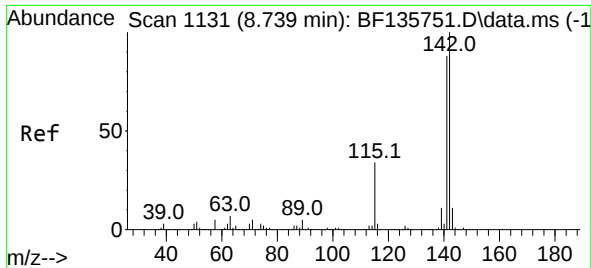
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#31
Naphthalene
Concen: 57.015 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

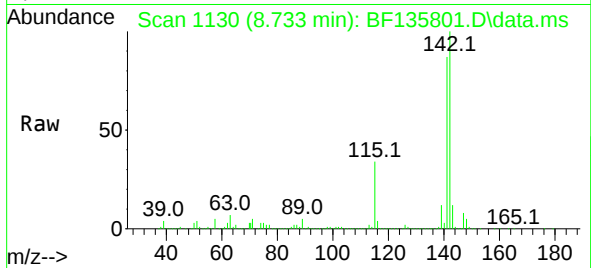
Tgt Ion:128 Resp: 980012
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.2 10.2 15.4





#37
2-Methylnaphthalene
Concen: 34.138 ng
RT: 8.733 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

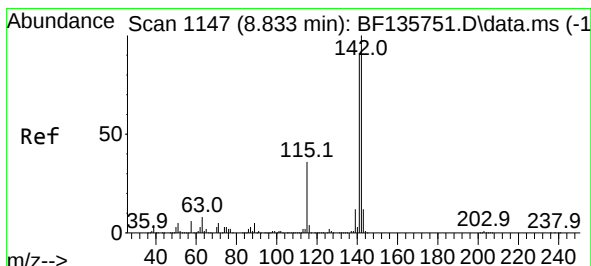
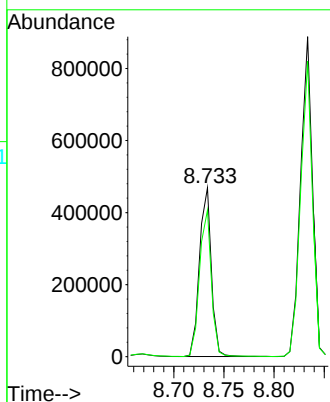
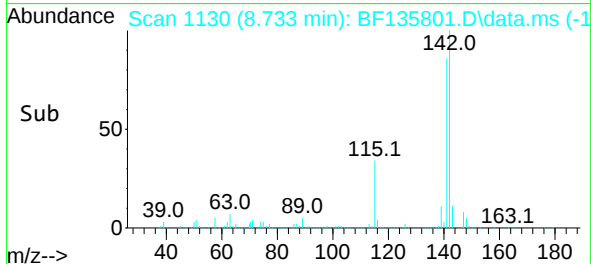
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:142 Resp: 38660
Ion Ratio Lower Upper
142 100
141 86.7 70.6 105.8

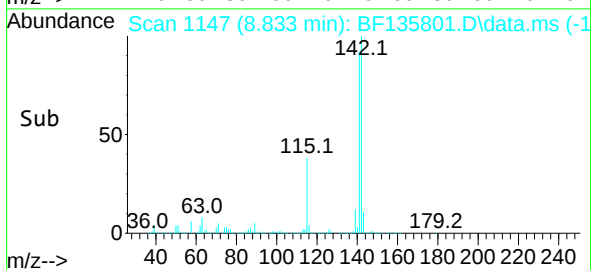
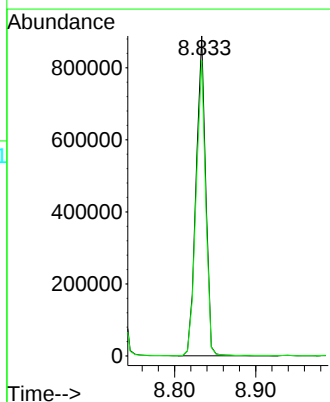
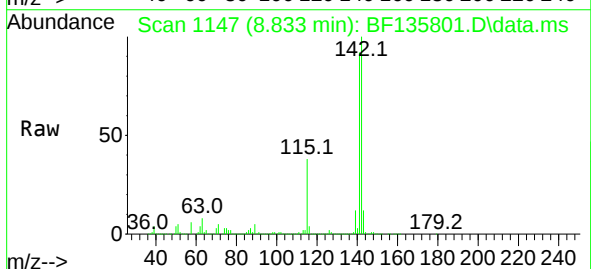
Manual Integrations
APPROVED

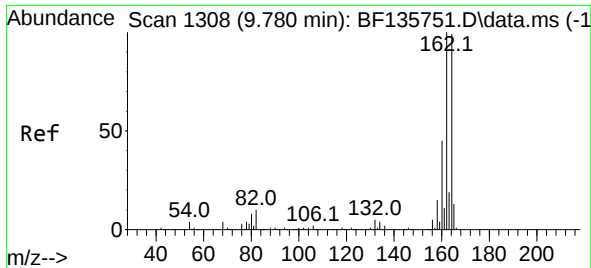
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#38
1-Methylnaphthalene
Concen: 70.202 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

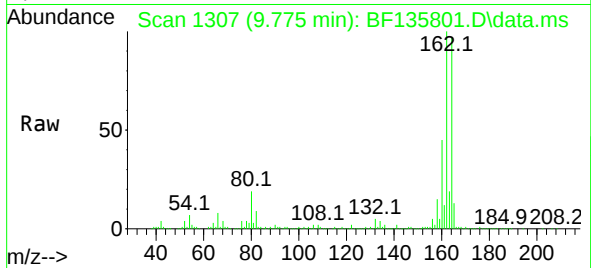
Tgt Ion:142 Resp: 733275
Ion Ratio Lower Upper
142 100
141 92.3 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

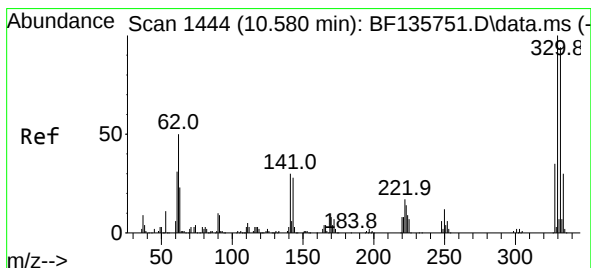
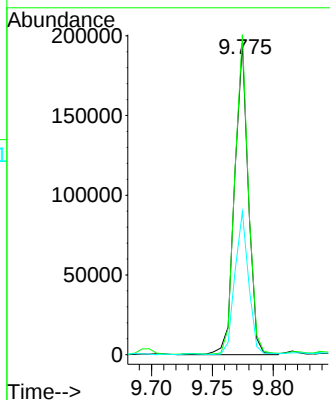
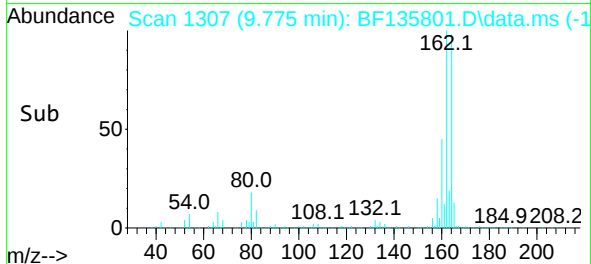
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



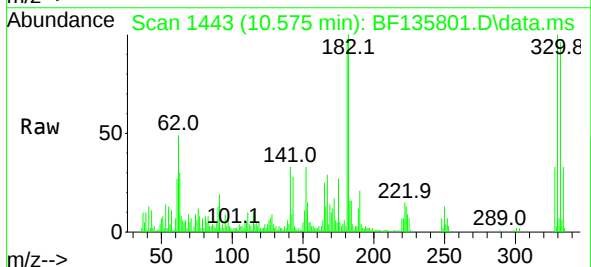
Tgt Ion:164 Resp: 15306
Ion Ratio Lower Upper
164 100
162 102.7 80.8 121.2
160 45.9 36.6 54.8

Manual Integrations
APPROVED

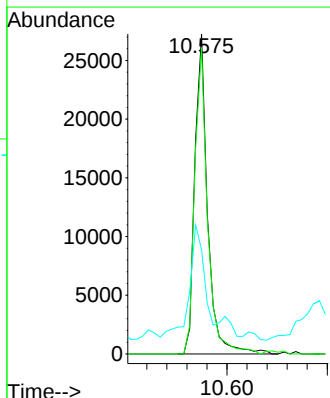
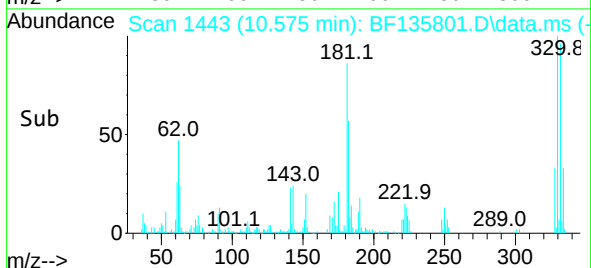
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

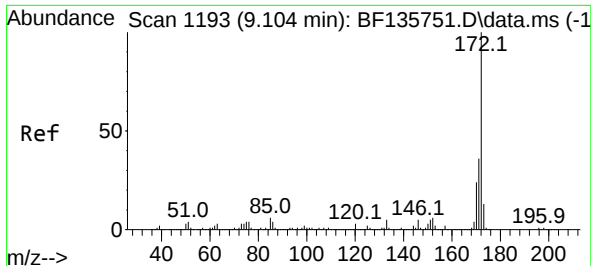


#42
2,4,6-Tribromophenol
Concen: 16.519 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00



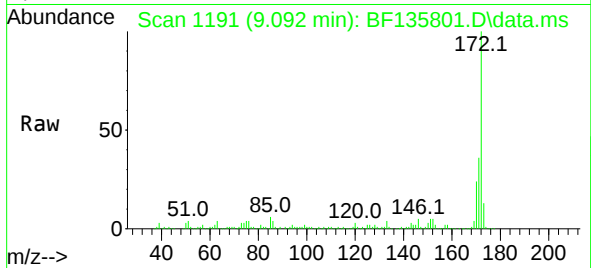
Tgt Ion:330 Resp: 24263
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.4
141 46.6 25.8 38.6#





#45
2-Fluorobiphenyl
Concen: 16.734 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

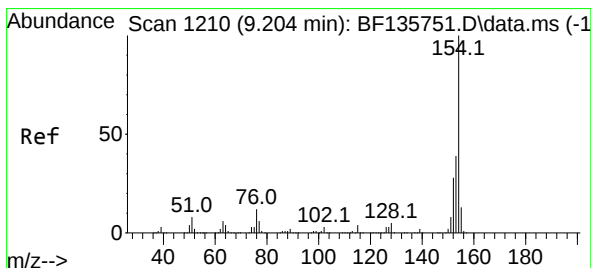
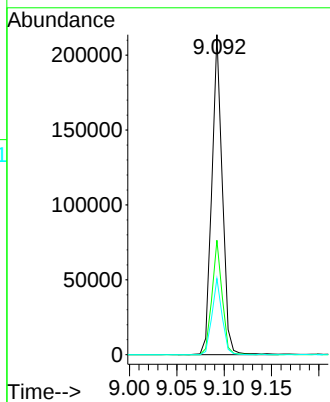
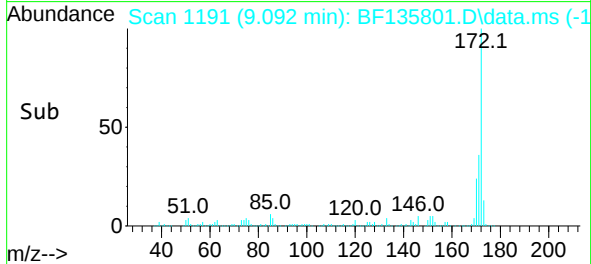
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



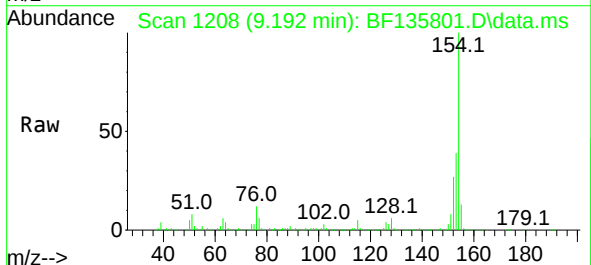
Tgt Ion:172 Resp: 16382
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 18.8 28.2

Manual Integrations
APPROVED

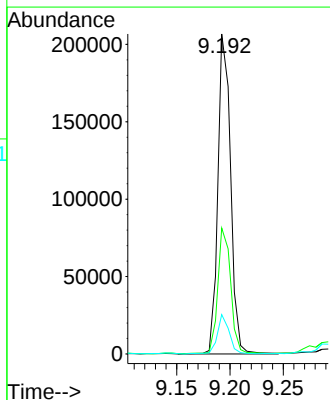
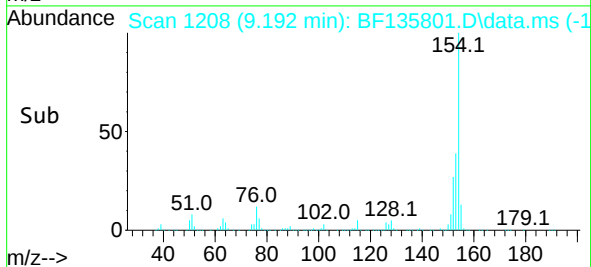
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

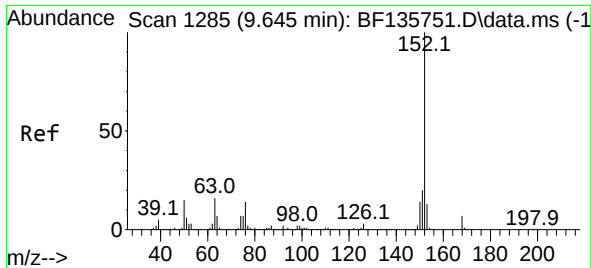


#46
1,1'-Biphenyl
Concen: 14.557 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00



Tgt Ion:154 Resp: 170683
Ion Ratio Lower Upper
154 100
153 39.4 19.4 59.4
76 12.3 0.0 31.7





#49

Acenaphthylene

Concen: 28.792 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA_F

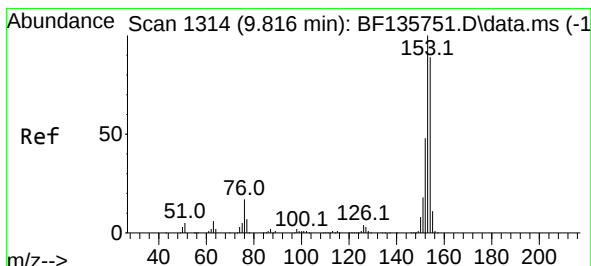
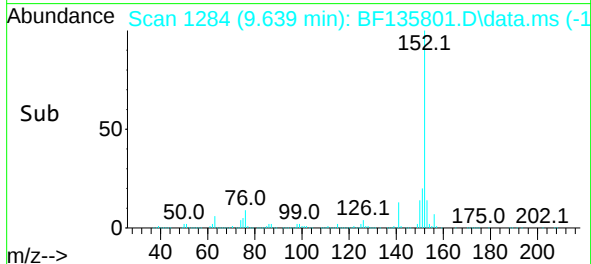
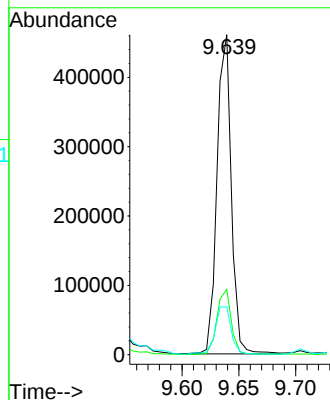
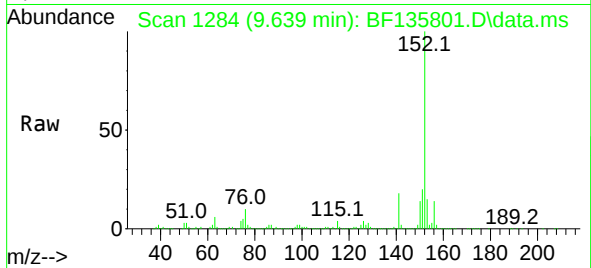
ClientSampleId :

R-3(10-15)

Tgt Ion:152 Resp: 40263
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.2 24.2
 153 15.0 10.2 15.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023



#52

Acenaphthene

Concen: 13.941 ng

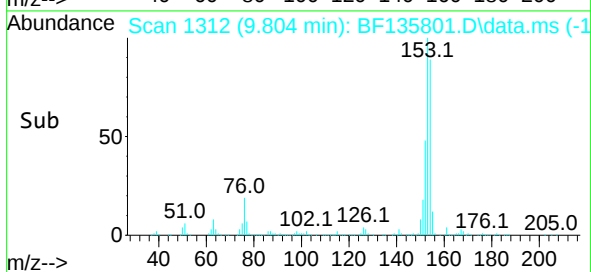
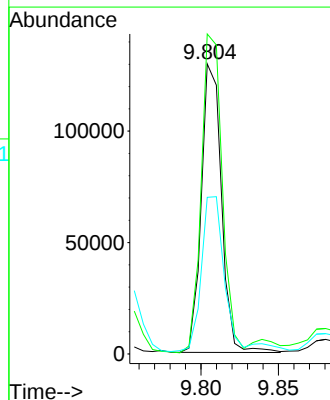
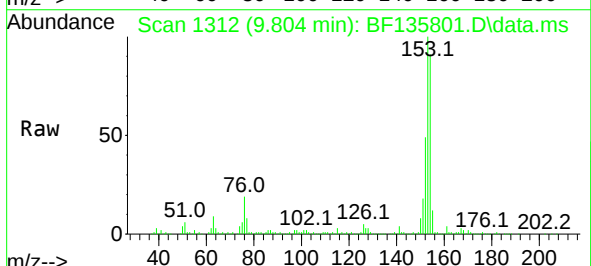
RT: 9.804 min Scan# 1312

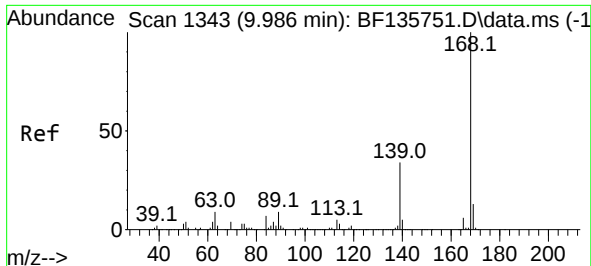
Delta R.T. -0.012 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

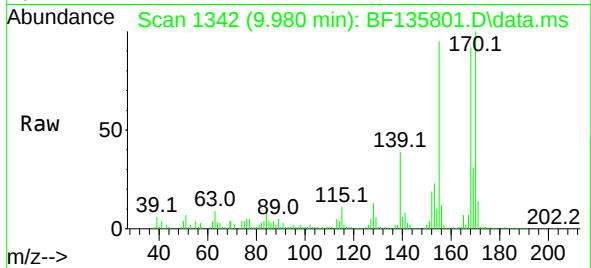
Tgt Ion:154 Resp: 116849
 Ion Ratio Lower Upper
 154 100
 153 110.3 90.1 135.1
 152 54.0 43.1 64.7





#55
Dibenzenofuran
Concen: 6.236 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

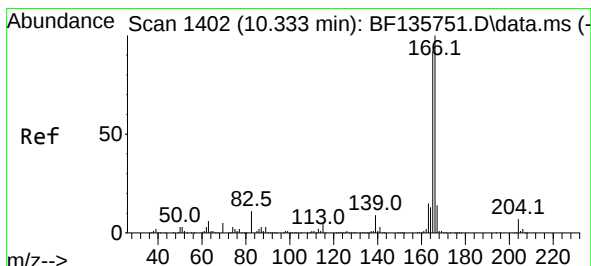
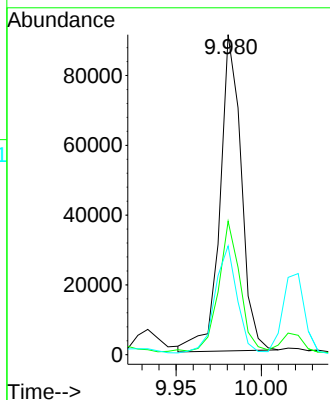
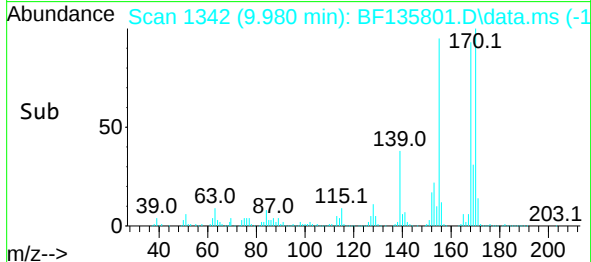
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:168 Resp: 7887
Ion Ratio Lower Upper
168 100
139 41.7 31.0 46.4
169 34.0 10.7 16.1

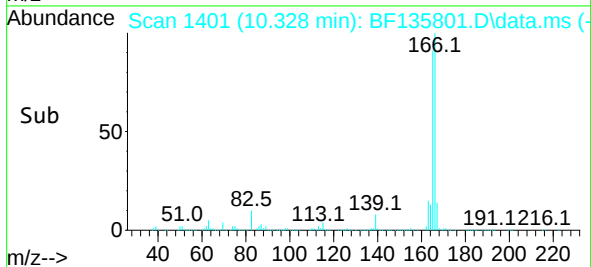
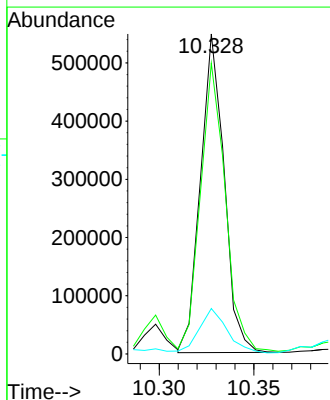
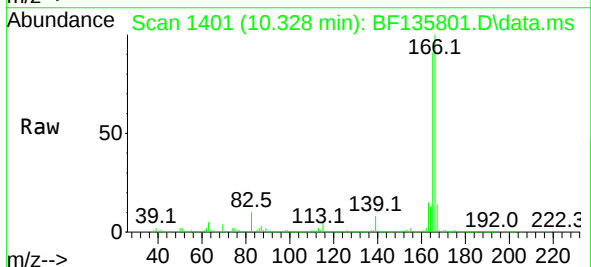
Manual Integrations
APPROVED

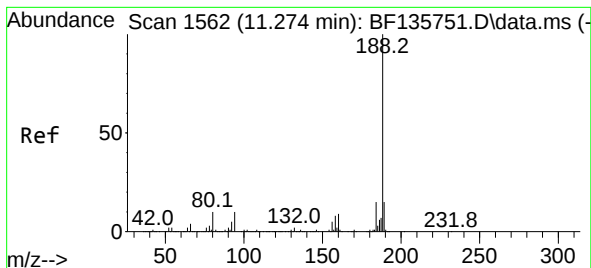
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#58
Fluorene
Concen: 47.927 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

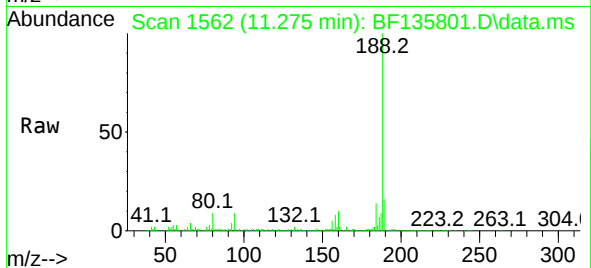
Tgt Ion:166 Resp: 474535
Ion Ratio Lower Upper
166 100
165 90.9 73.4 110.0
167 14.2 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

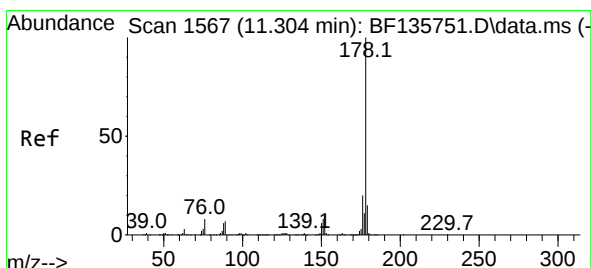
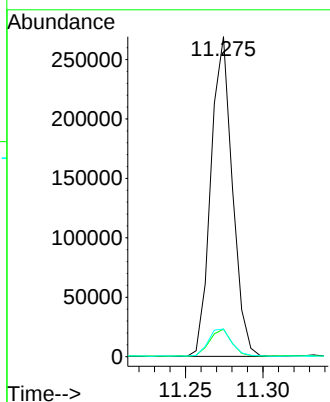
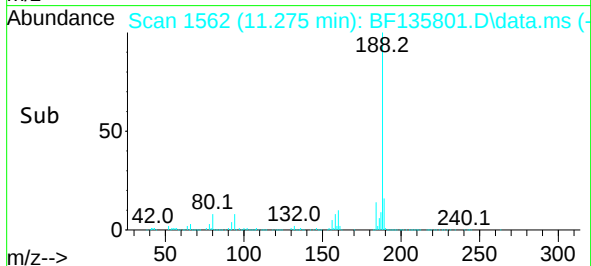
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:188 Resp: 259410
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 8.7 8.3 12.5

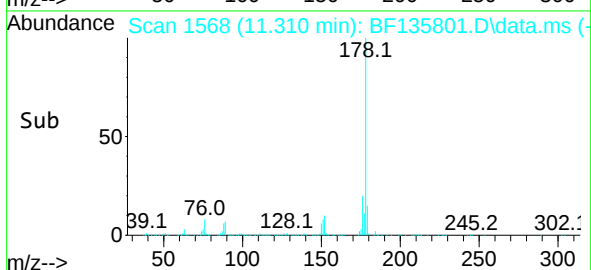
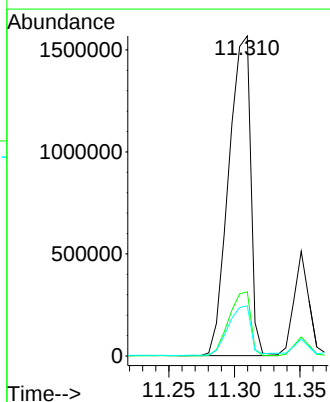
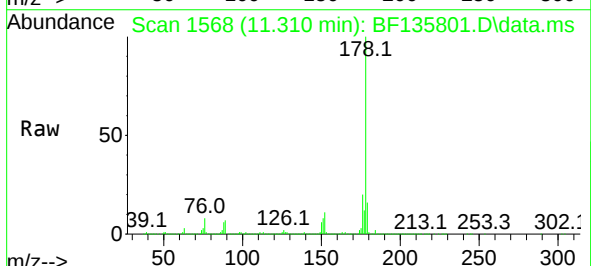
Manual Integrations
APPROVED

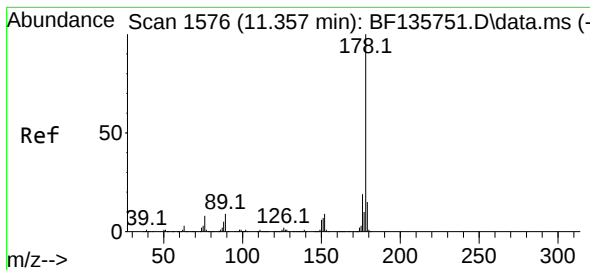
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 146.994 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

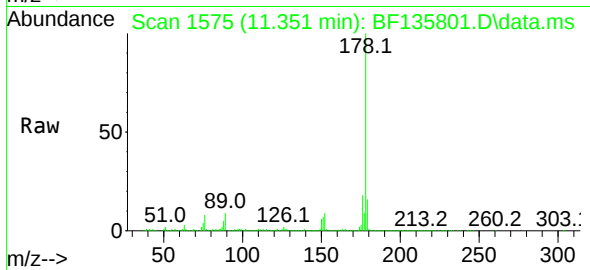
Tgt Ion:178 Resp: 1826685
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 30.509 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135801.D
 Acq: 17 Oct 2023 04:00

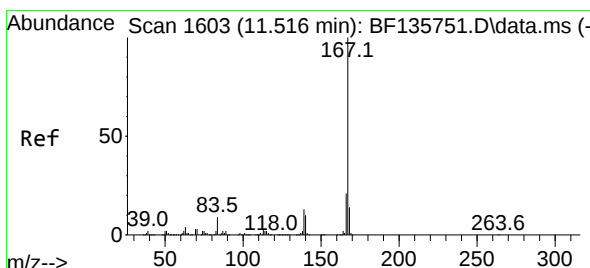
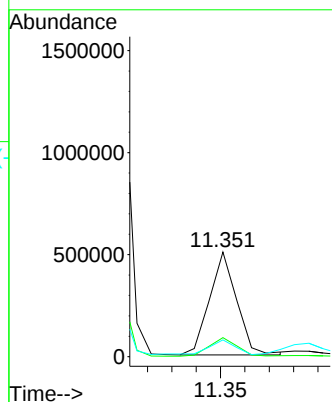
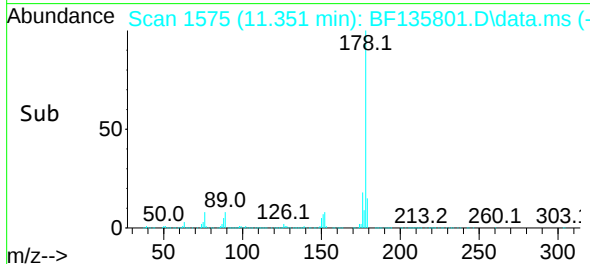
Instrument :
 BNA_F
 ClientSampleId :
 R-3(10-15)



Tgt Ion:178 Resp: 39287
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 16.0 12.3 18.5

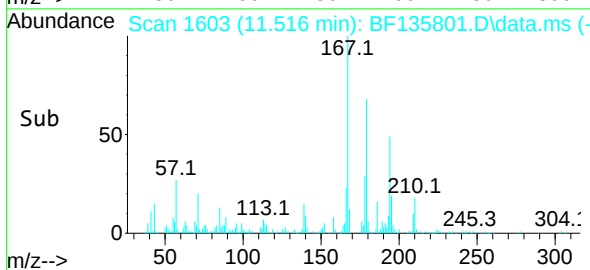
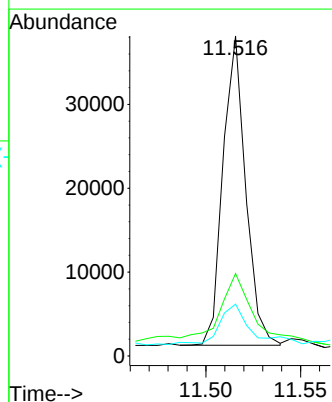
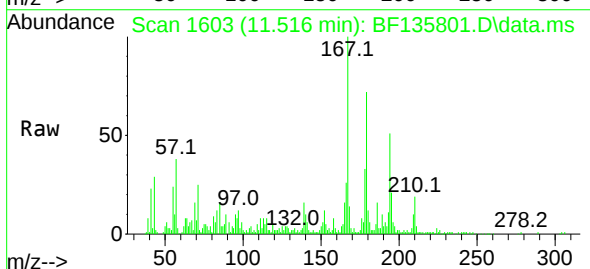
Manual Integrations
 APPROVED

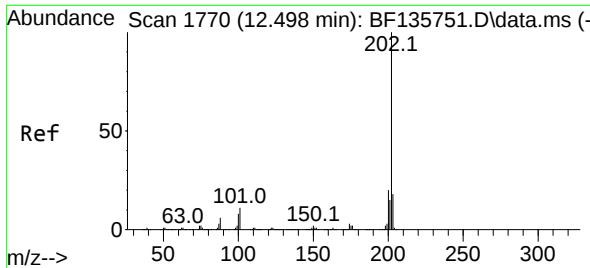
Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023



#73
 Carbazole
 Concen: 2.557 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.006 min
 Lab File: BF135801.D
 Acq: 17 Oct 2023 04:00

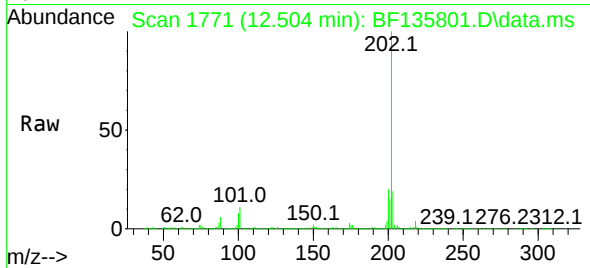
Tgt Ion:167 Resp: 30710
 Ion Ratio Lower Upper
 167 100
 166 25.8 17.1 25.7#
 139 16.2 10.2 15.4#





#75
Fluoranthene
Concen: 85.697 ng
RT: 12.504 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

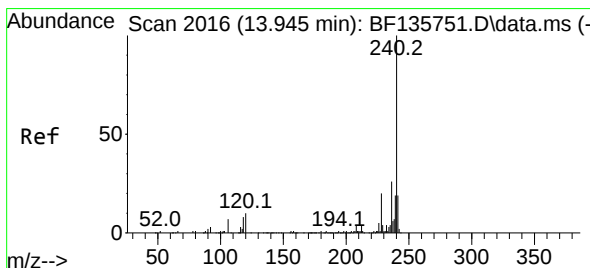
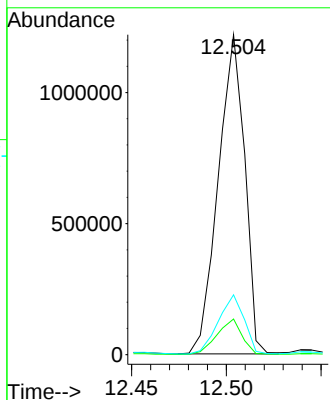
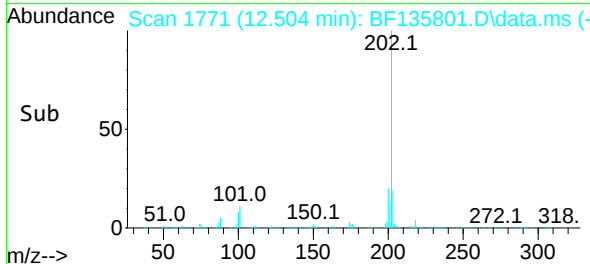
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:202 Resp: 1181960
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.5
203 18.7 0.0 38.3

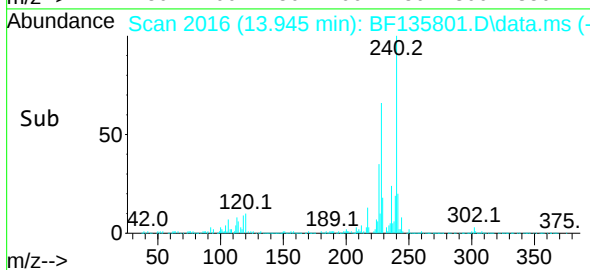
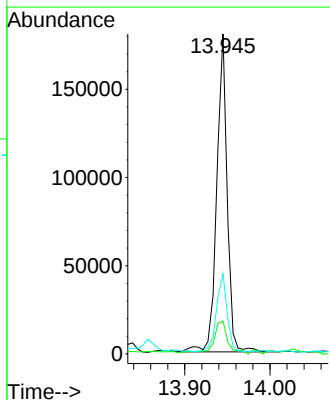
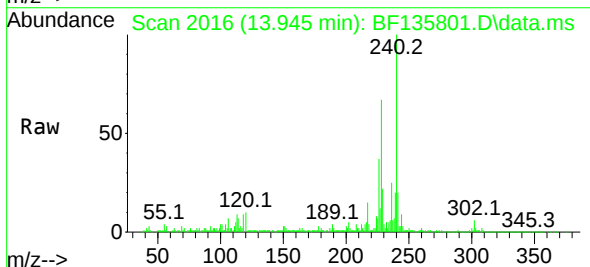
Manual Integrations
APPROVED

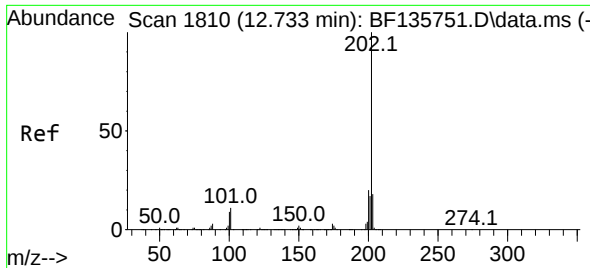
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

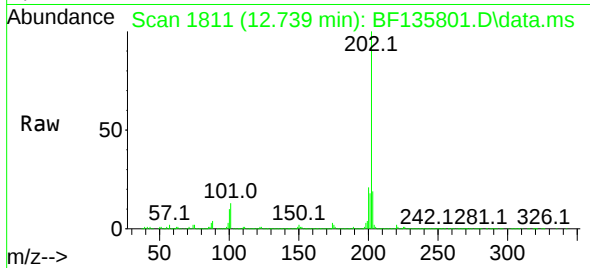
Tgt Ion:240 Resp: 153394
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.1 21.2 31.8





#78
Pyrene
Concen: 138.825 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

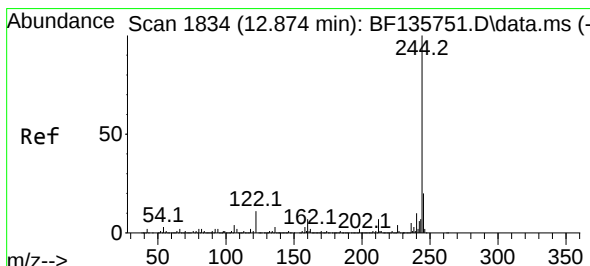
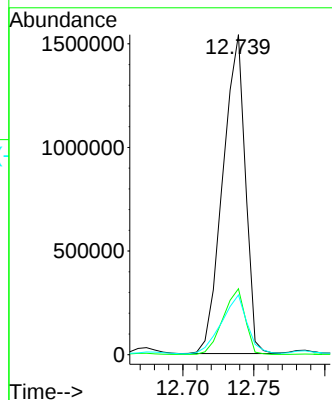
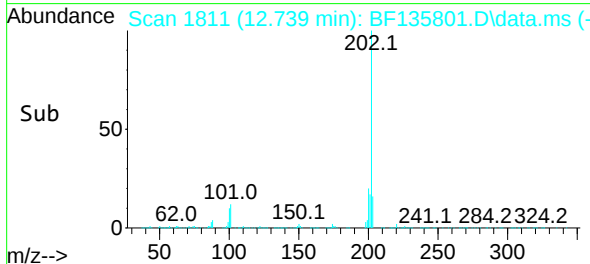
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:202 Resp: 169221
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 18.7 14.2 21.2

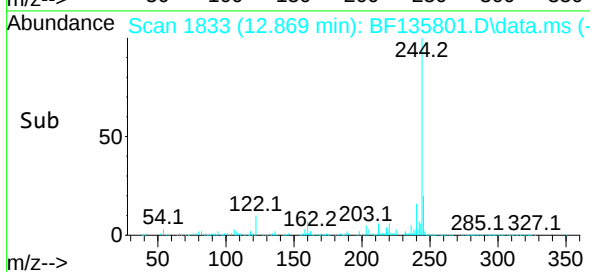
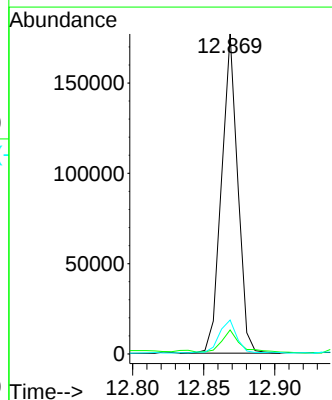
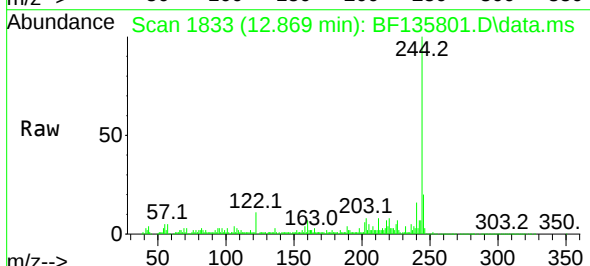
Manual Integrations
APPROVED

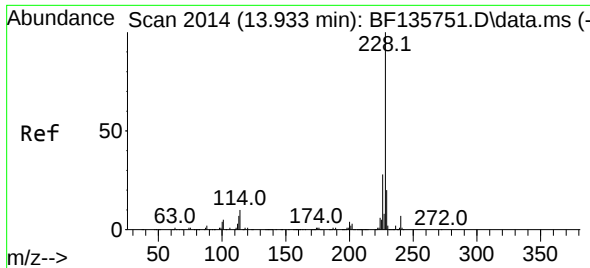
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#79
Terphenyl-d14
Concen: 16.900 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

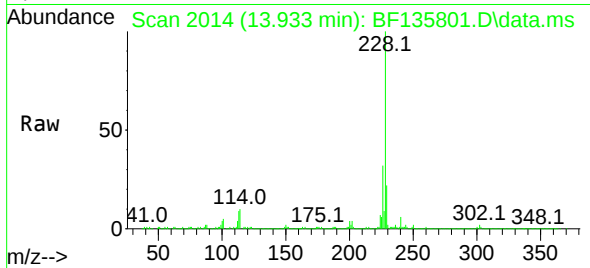
Tgt Ion:244 Resp: 139982
Ion Ratio Lower Upper
244 100
212 7.5 5.6 8.4
122 10.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 61.130 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

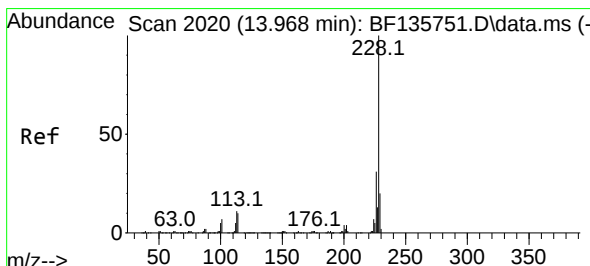
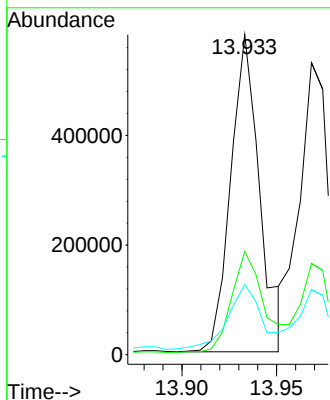
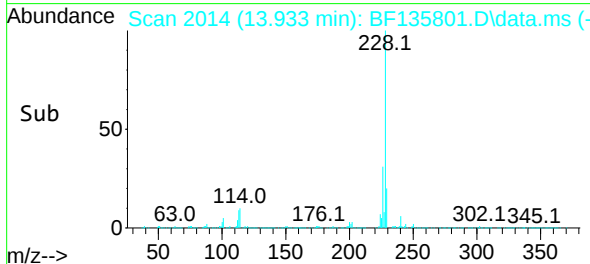
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)



Tgt Ion:228 Resp: 615910
Ion Ratio Lower Upper
228 100
226 32.3 22.2 33.2
229 21.9 16.1 24.1

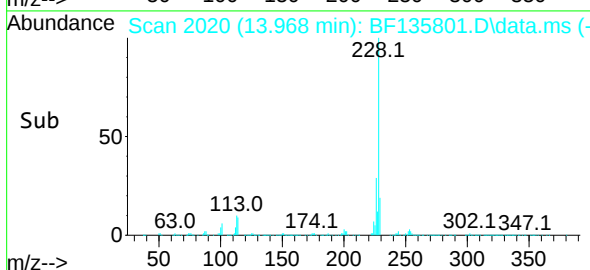
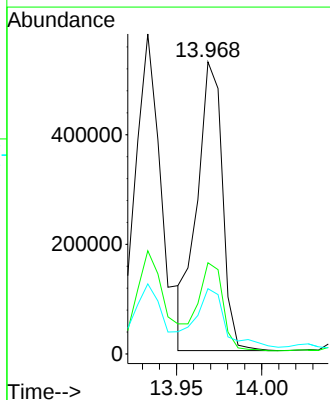
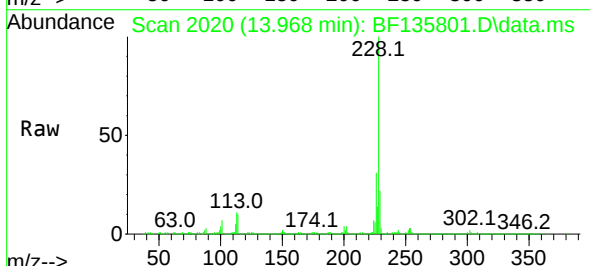
Manual Integrations
APPROVED

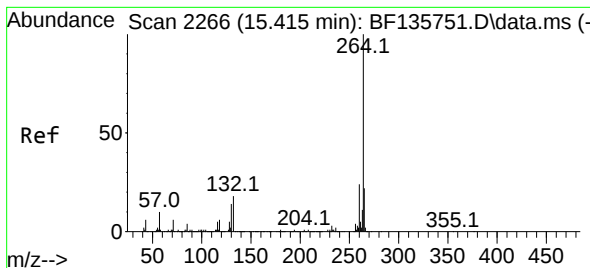
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 55.967 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135801.D
Acq: 17 Oct 2023 04:00

Tgt Ion:228 Resp: 546175
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)

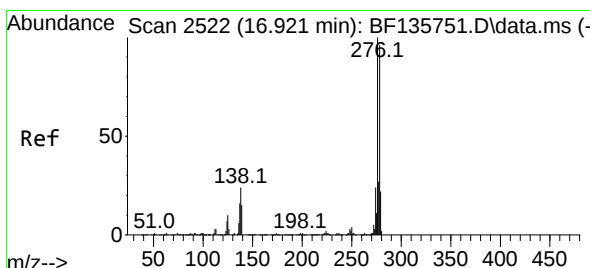
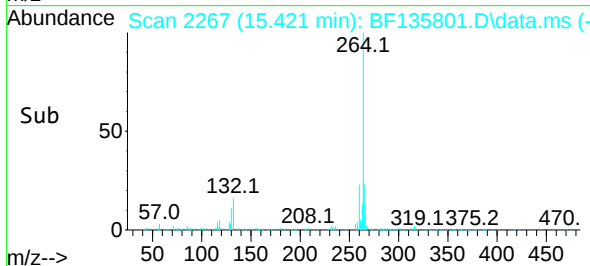
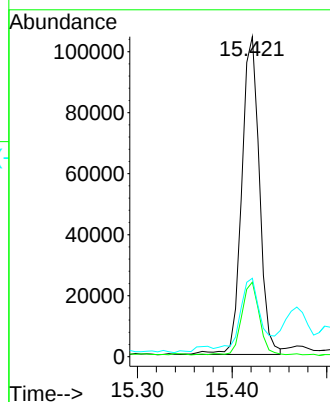
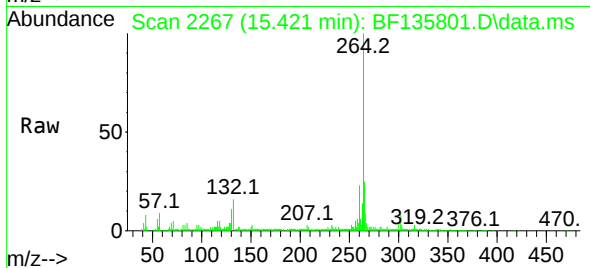
Tgt Ion:264 Resp: 134758
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 24.5 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.778 ng

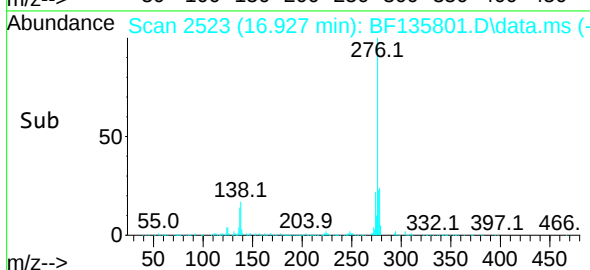
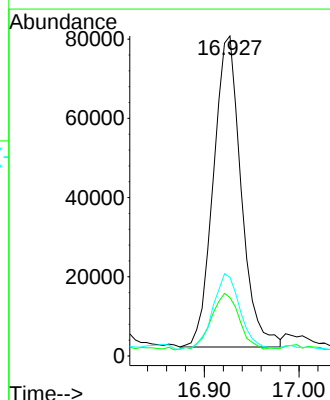
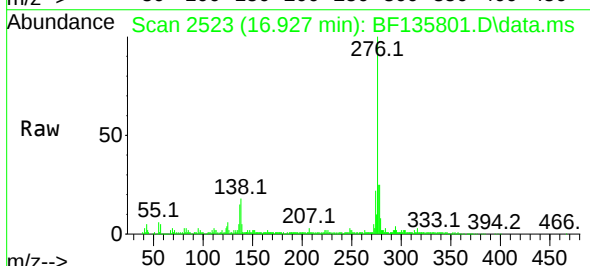
RT: 16.927 min Scan# 2523

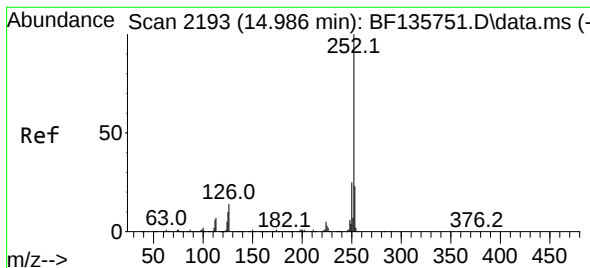
Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Tgt Ion:276 Resp: 159904
 Ion Ratio Lower Upper
 276 100
 138 17.9 19.8 29.6#
 277 24.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 52.840 ng m

RT: 14.992 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNF

ClientSampleId :

R-3(10-15)

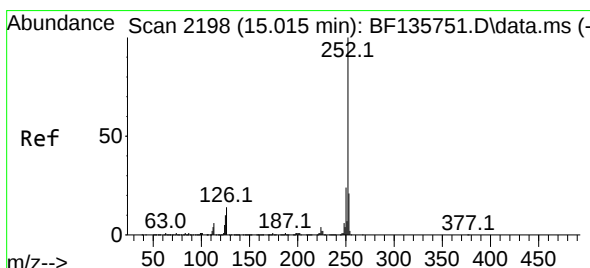
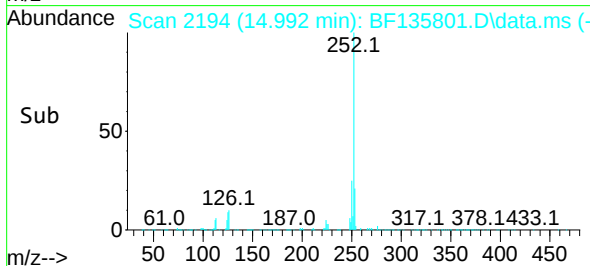
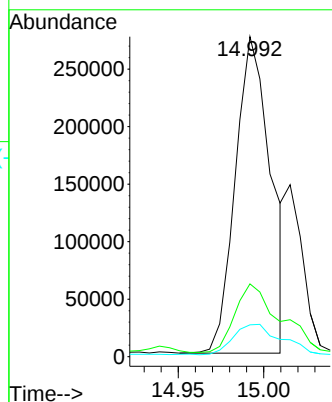
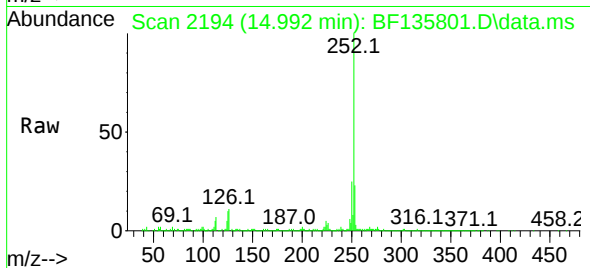
Tgt Ion:252 Resp: 39851
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.2 27.2
 125 10.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#89

Benzo(k)fluoranthene

Concen: 14.318 ng m

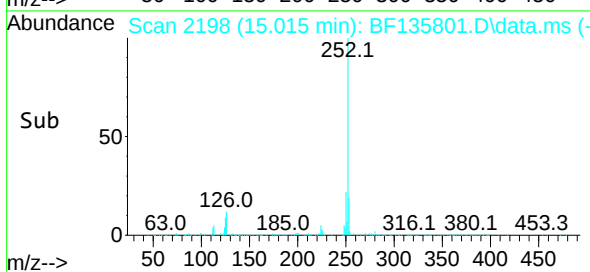
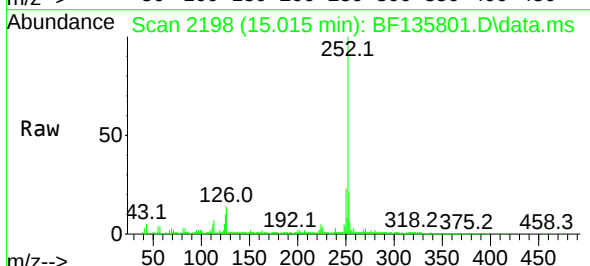
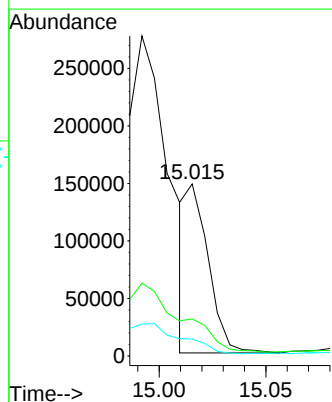
RT: 15.015 min Scan# 2198

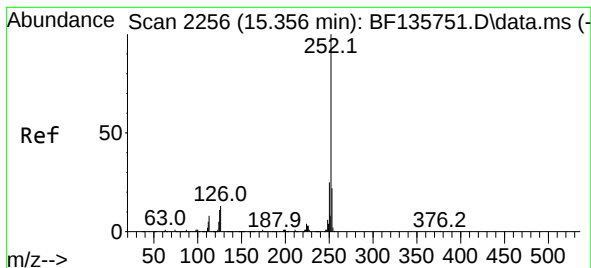
Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Tgt Ion:252 Resp: 104834
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.4 26.0
 125 9.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 55.539 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNF

ClientSampleId :

R-3(10-15)

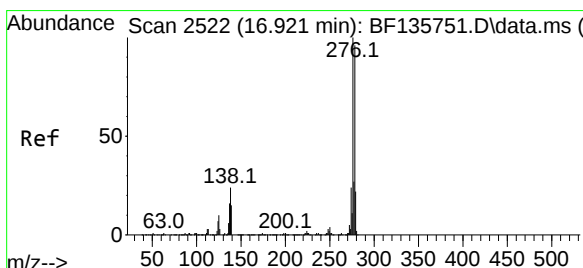
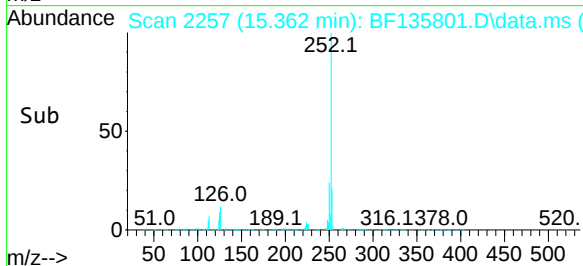
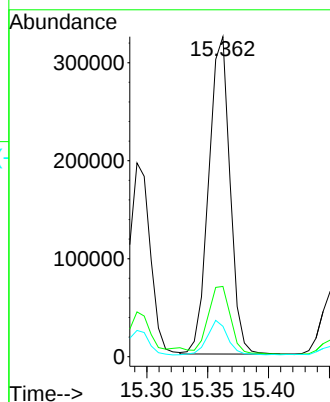
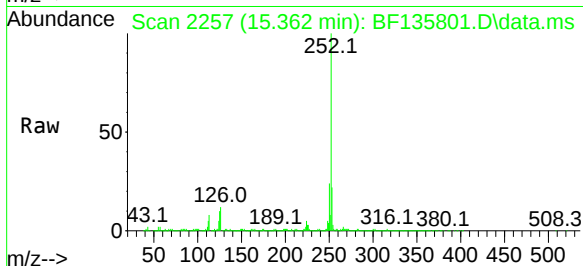
Tgt Ion:252 Resp: 393874
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 9.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#91

Dibenzo(a,h)anthracene

Concen: 7.932 ng

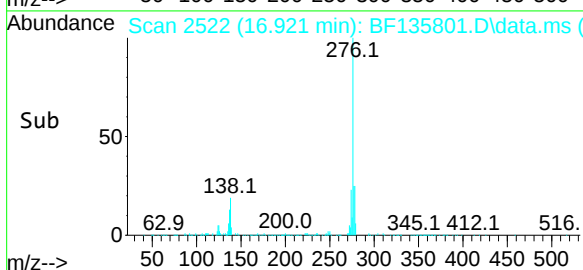
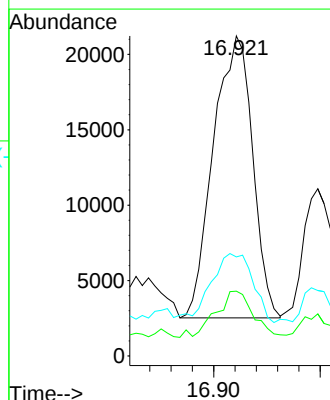
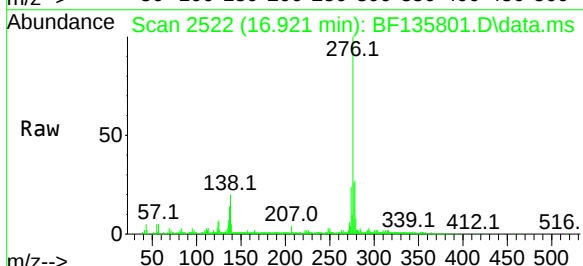
RT: 16.921 min Scan# 2522

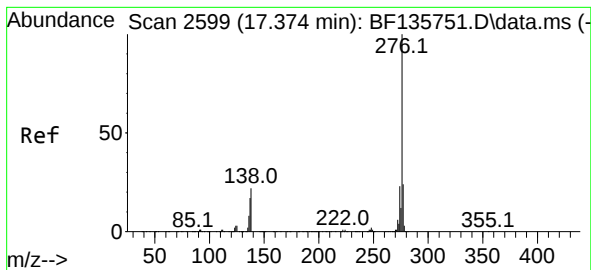
Delta R.T. -0.018 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

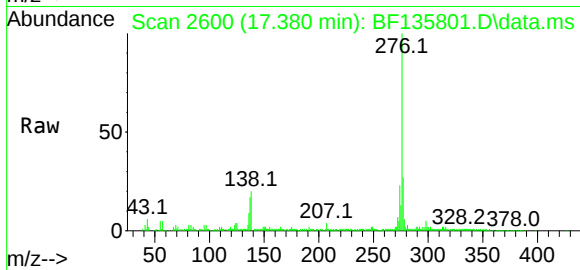
Tgt Ion:278 Resp: 47745
 Ion Ratio Lower Upper
 278 100
 139 20.3 12.5 18.7#
 279 30.9 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 27.643 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF135801.D
 Acq: 17 Oct 2023 04:00

Instrument :
 BNA_F
 ClientSampleId :
 R-3(10-15)



Tgt Ion: 276 Resp: 170915
 Ion Ratio Lower Upper
 276 100
 277 26.9 19.4 29.2
 138 19.6 17.3 25.9

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 10/17/2023
 Supervised By : mohammad ahmed 10/18/2023

