

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135124.D
 Acq On : 06 Sep 2023 07:39
 Operator : CG\JU
 Sample : 04249-01 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-083023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 07:57:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	102181	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	391130	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	172649	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	278493	20.000	ng	0.00
76) Chrysene-d12	13.963	240	185267	20.000	ng	0.00
86) Perylene-d12	15.439	264	159367	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	324857	49.107	ng	0.00
7) Phenol-d6	6.404	99	398716	48.355	ng	-0.01
23) Nitrobenzene-d5	7.334	82	244988	35.189	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	82085	44.820	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	418251	39.442	ng	-0.01
79) Terphenyl-d14	12.898	244	390027	34.355	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.069	128	44923	2.351	ng	99
37) 2-Methylnaphthalene	8.763	142	30806	2.416	ng	99
38) 1-Methylnaphthalene	8.863	142	26766	2.244	ng	100
52) Acenaphthene	9.839	154	36110	3.779	ng	99
55) Dibenzofuran	10.016	168	34676	2.516	ng	98
58) Fluorene	10.357	166	61049	5.809	ng	99
71) Phenanthrene	11.327	178	450360	31.346	ng	99
72) Anthracene	11.374	178	127436	8.681	ng	97
73) Carbazole	11.539	167	30351	2.397	ng	96
75) Fluoranthene	12.527	202	705684	48.580	ng	98
78) Pyrene	12.757	202	667574	37.951	ng	100
81) Benzo(a)anthracene	13.951	228	371775	29.418	ng	94
83) Chrysene	13.986	228	313905	25.274	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	141066m	13.141	ng	
88) Benzo(b)fluoranthene	15.010	252	362574m	36.564	ng	
89) Benzo(k)fluoranthene	15.033	252	99668m	10.404	ng	
90) Benzo(a)pyrene	15.374	252	238685	25.911	ng	98
91) Dibenzo(a,h)anthracene	16.927	278	38915m	4.476	ng	
92) Benzo(g,h,i)perylene	17.374	276	122889	13.590	ng	99

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

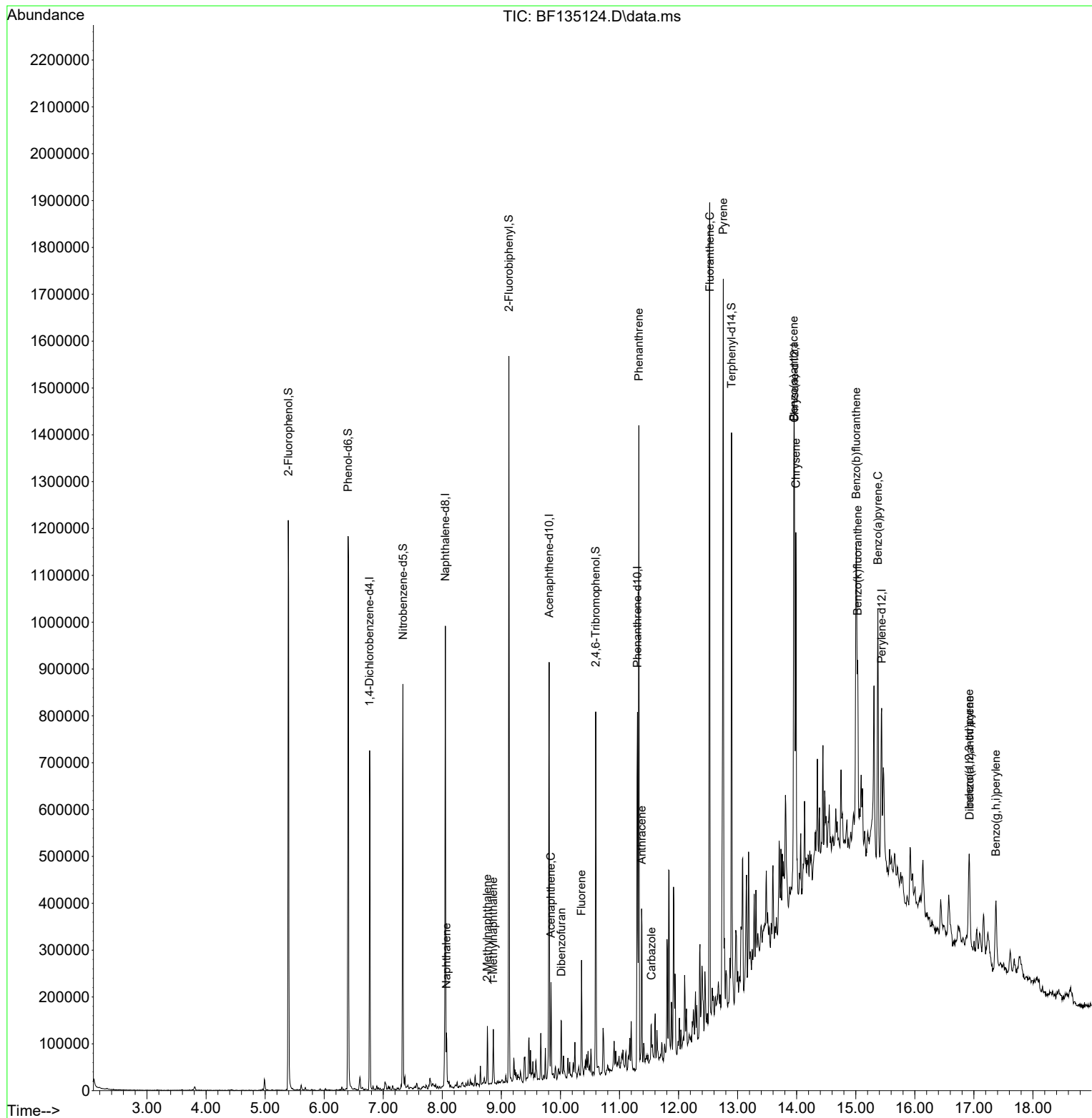
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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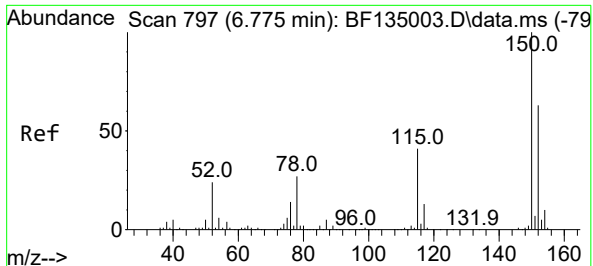
Instrument :
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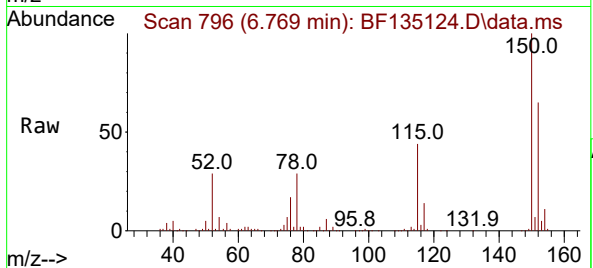
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

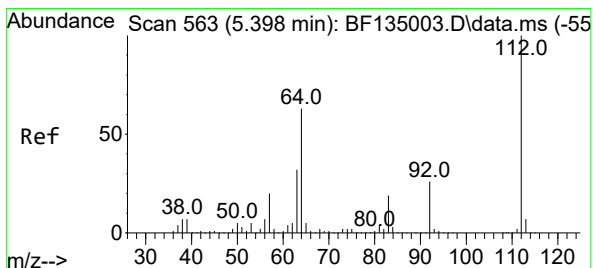
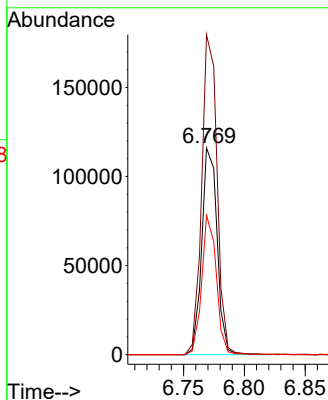
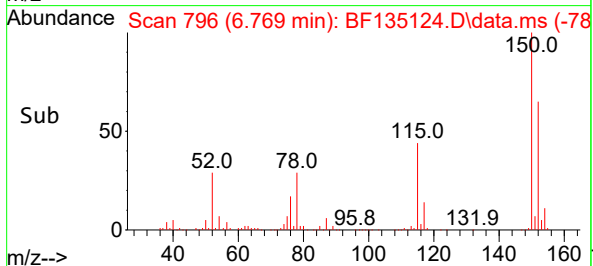
Instrument :
BNA_F
ClientSampleId :
SU-02-083023



Tgt Ion:152 Resp: 10218
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.4
115 67.3 51.2 76.8

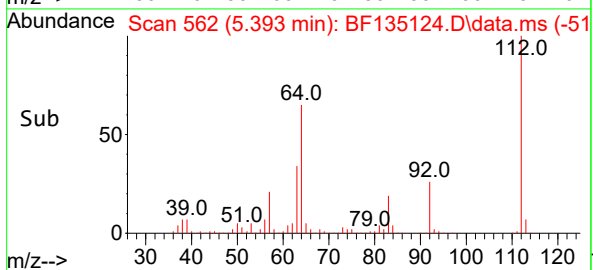
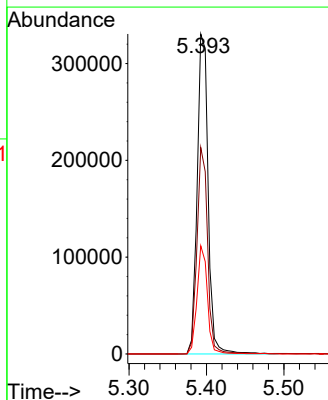
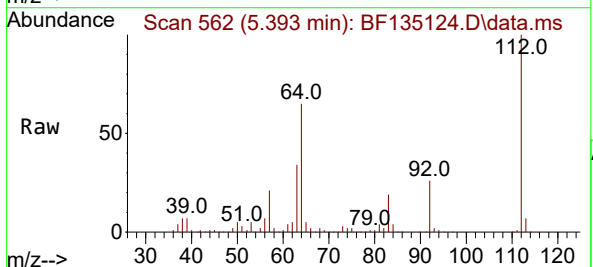
Manual Integrations
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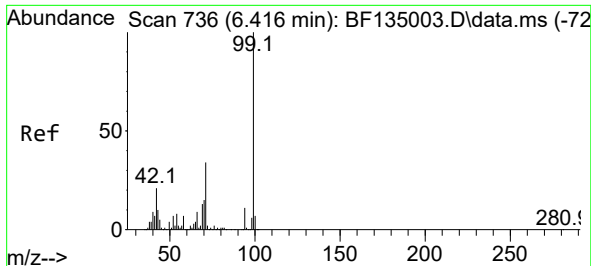
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#5
2-Fluorophenol
Concen: 49.107 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

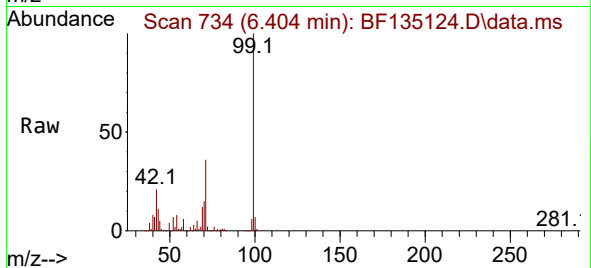
Tgt Ion:112 Resp: 324857
Ion Ratio Lower Upper
112 100
64 64.5 50.5 75.7
63 33.8 25.9 38.9





#7
Phenol-d6
Concen: 48.355 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

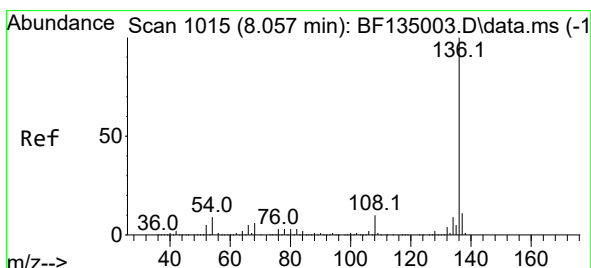
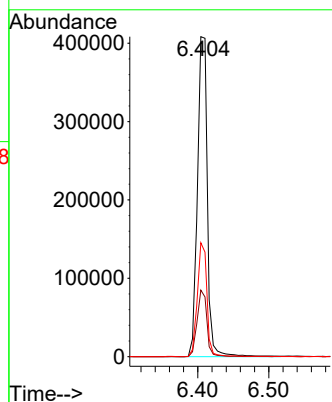
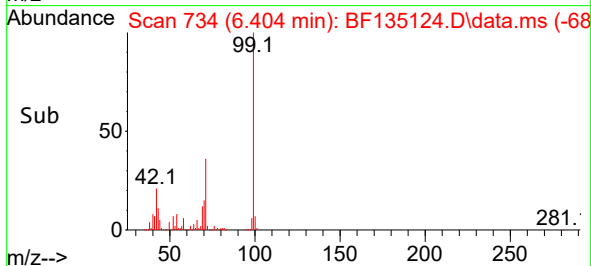
Instrument :
BNA_F
ClientSampleId :
SU-02-083023



Tgt Ion: 99 Resp: 398710
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 35.6 27.0 40.6

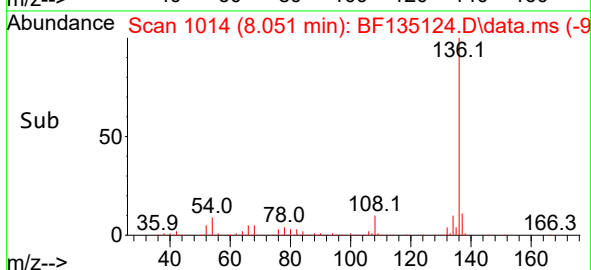
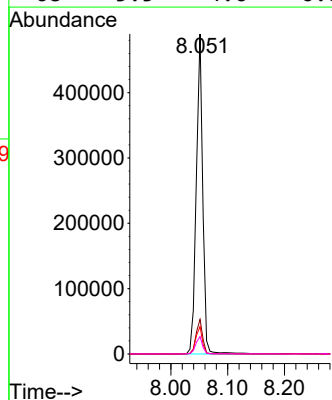
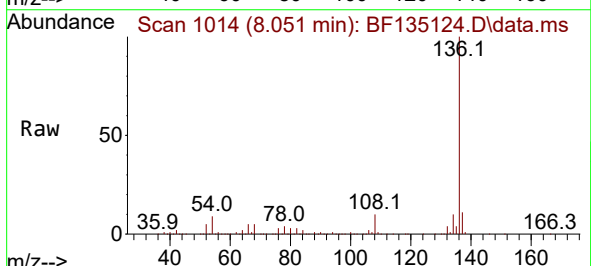
Manual Integrations
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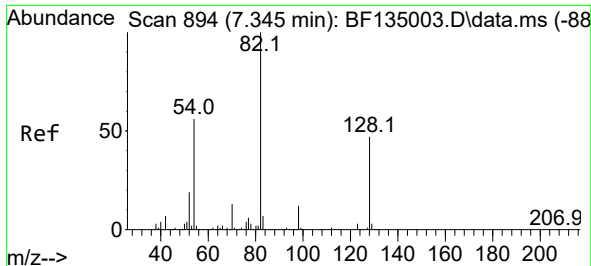
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:136 Resp: 391130
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.5 7.0 10.4
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 35.189 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135124.D

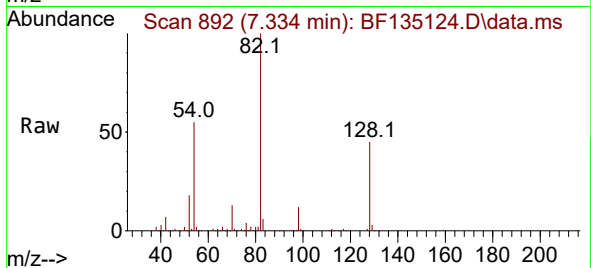
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023



Tgt Ion: 82 Resp: 24498

Ion Ratio Lower Upper

82 100

128 45.4 37.8 56.8

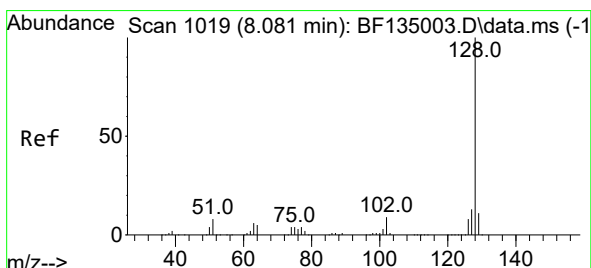
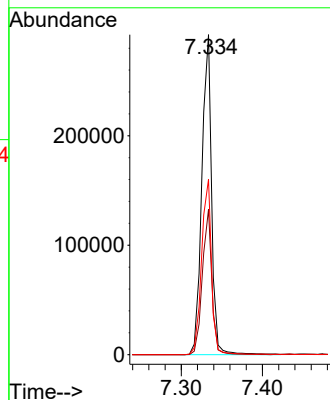
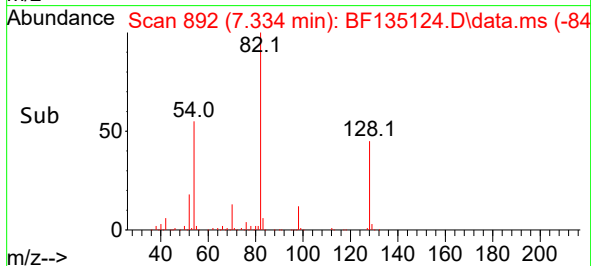
54 54.8 45.0 67.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#31

Naphthalene

Concen: 2.351 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

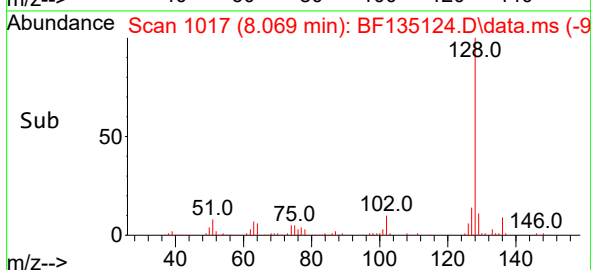
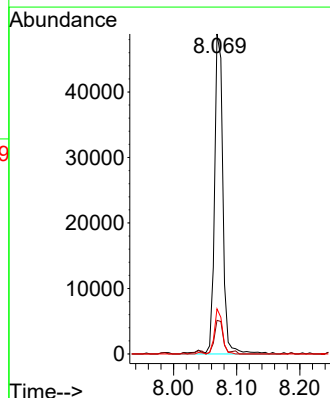
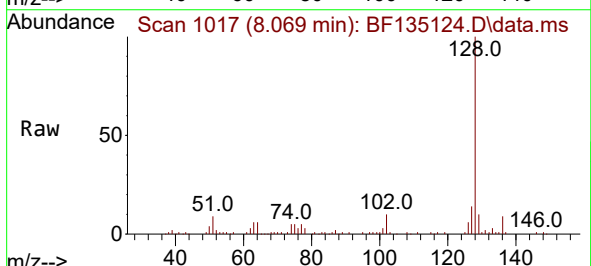
Tgt Ion:128 Resp: 44923

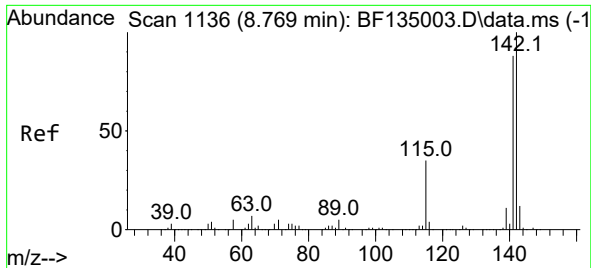
Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 14.1 10.6 16.0





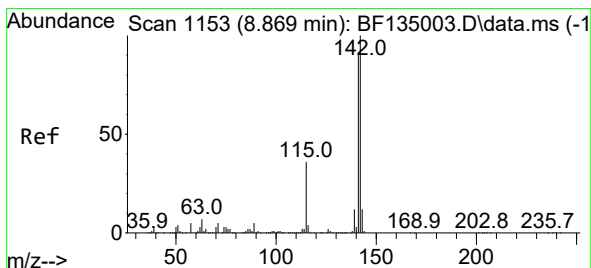
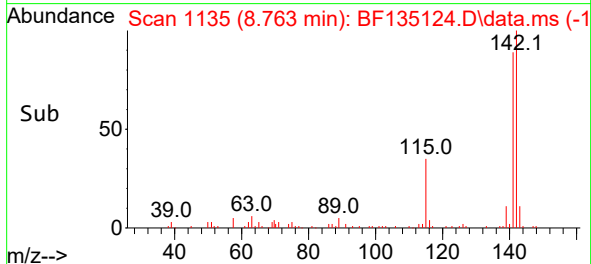
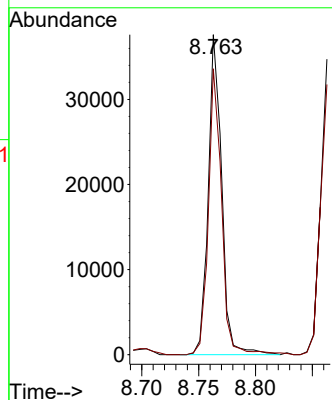
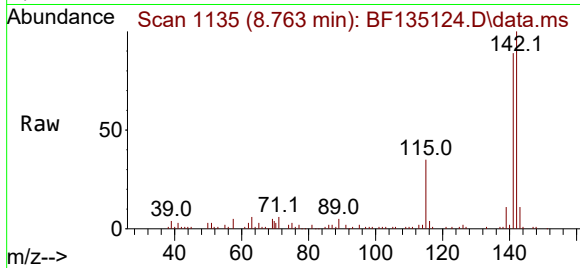
#37
2-Methylnaphthalene
Concen: 2.416 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :
BNA_F
ClientSampleId :
SU-02-083023

Tgt Ion:142 Resp: 30800
Ion Ratio Lower Upper
142 100
141 89.4 70.7 106.1

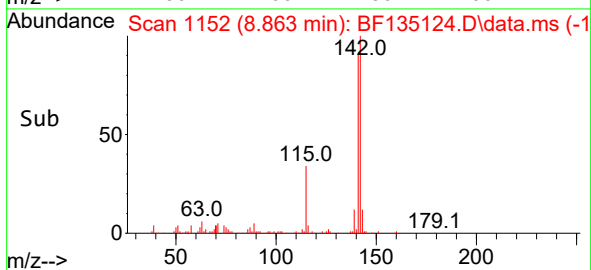
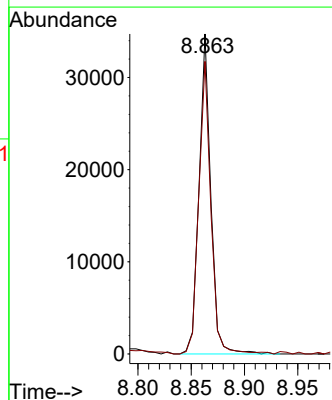
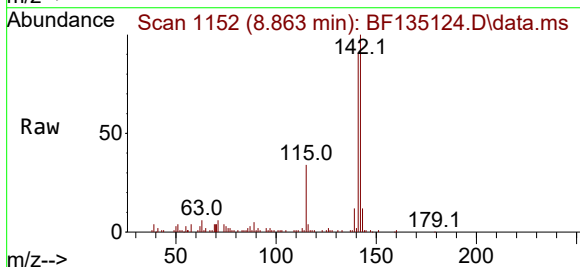
Manual Integrations
APPROVED

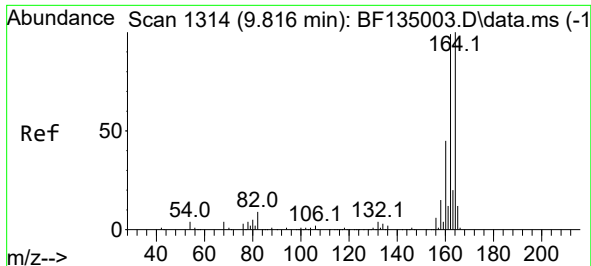
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#38
1-Methylnaphthalene
Concen: 2.244 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:142 Resp: 26766
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.4





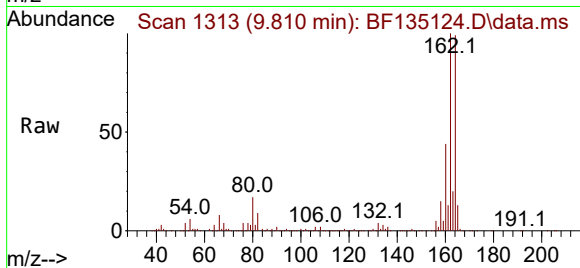
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023

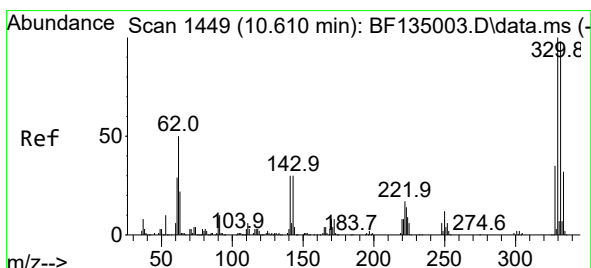
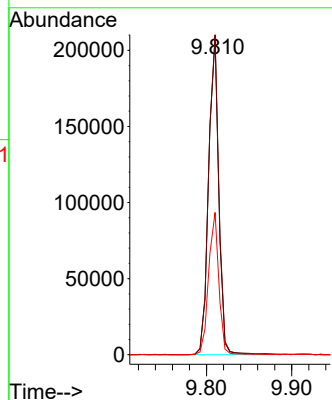
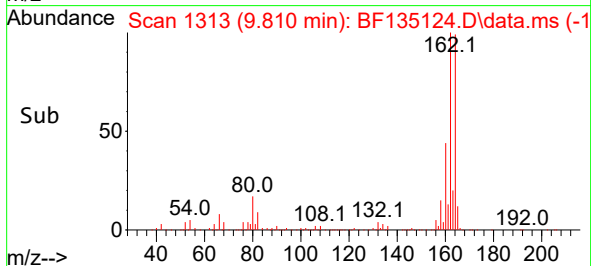


Tgt Ion:164 Resp: 172649
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 45.0 36.0 54.0

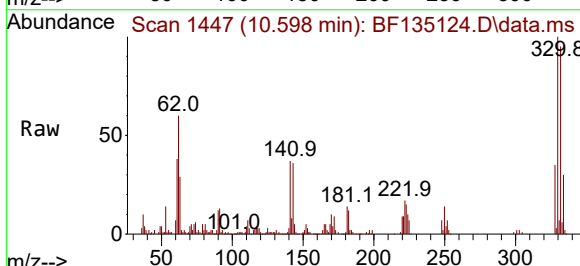
Manual Integrations

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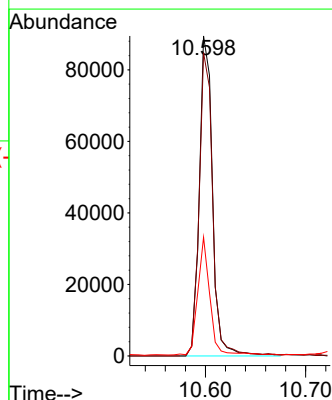
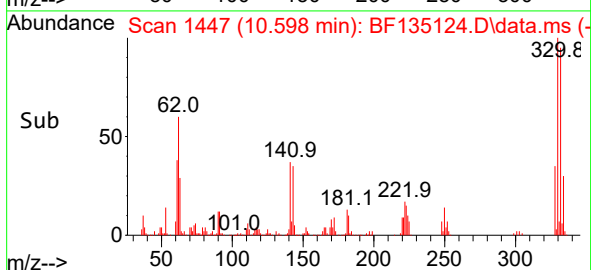
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

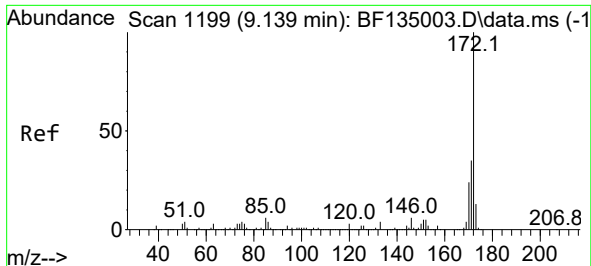


#42
2,4,6-Tribromophenol
Concen: 44.820 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39



Tgt Ion:330 Resp: 82085
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 33.9 26.3 39.5





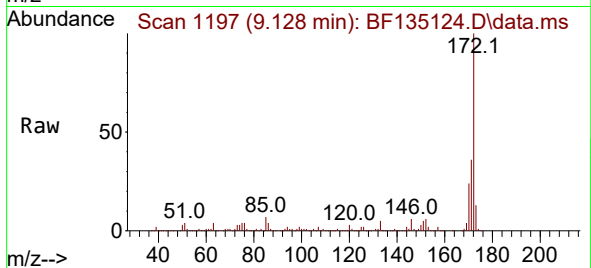
#45
2-Fluorobiphenyl
Concen: 39.442 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

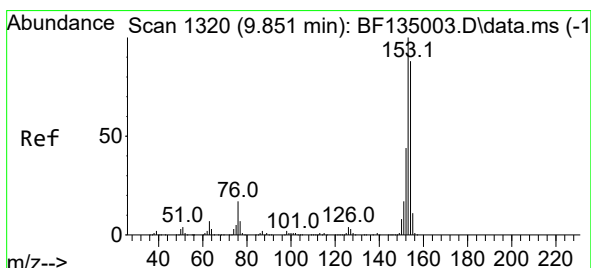
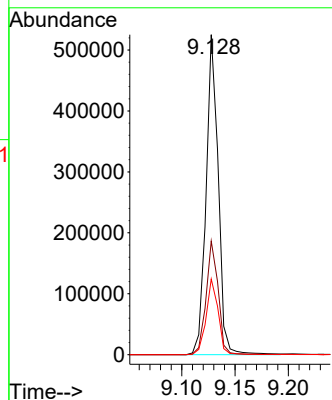
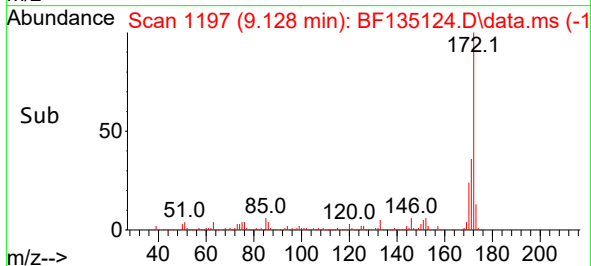
SU-02-083023



Tgt Ion:172 Resp: 41825
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.7 19.0 28.4

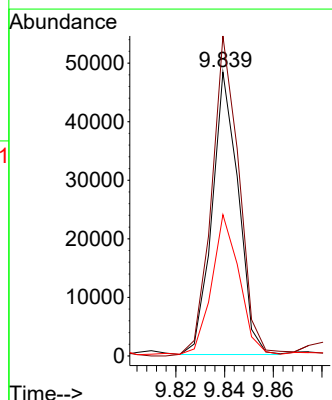
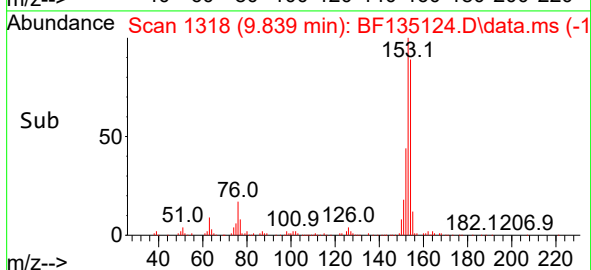
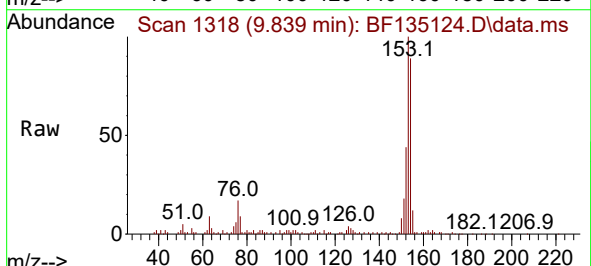
Manual Integrations
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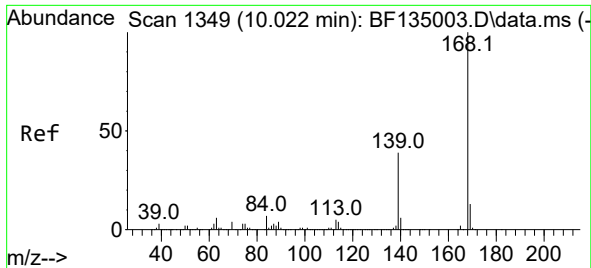
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#52
Acenaphthene
Concen: 3.779 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:154 Resp: 36110
Ion Ratio Lower Upper
154 100
153 112.7 90.8 136.2
152 49.8 40.2 60.4





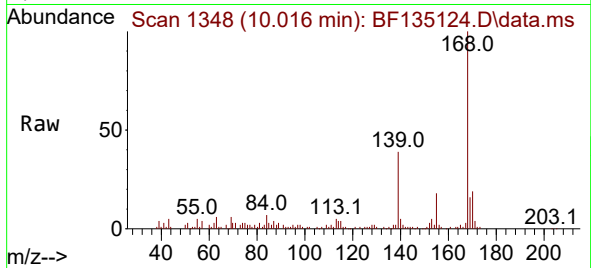
#55
Dibenzenofuran
Concen: 2.516 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023



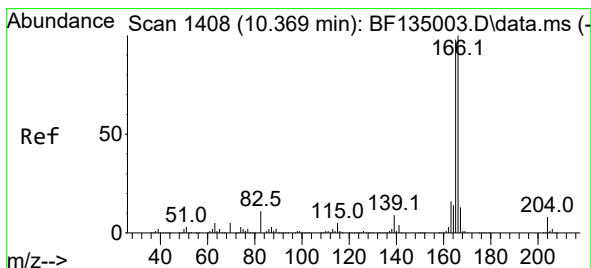
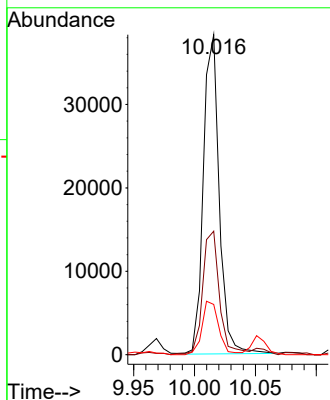
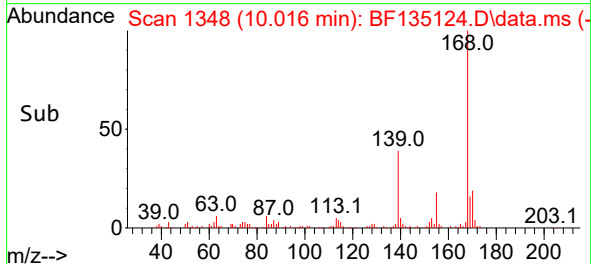
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Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 15.7 10.7 16.1

Manual Integrations

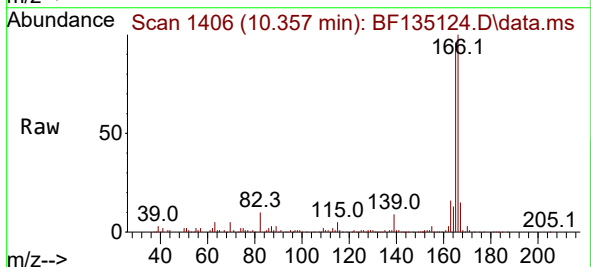
APPROVED

Reviewed By :Yogesh Patel 09/06/2023

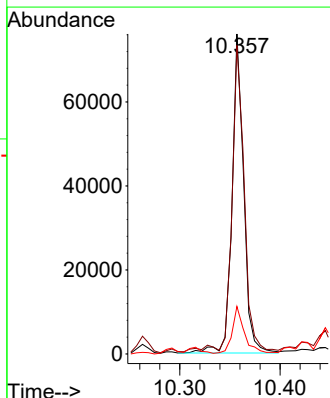
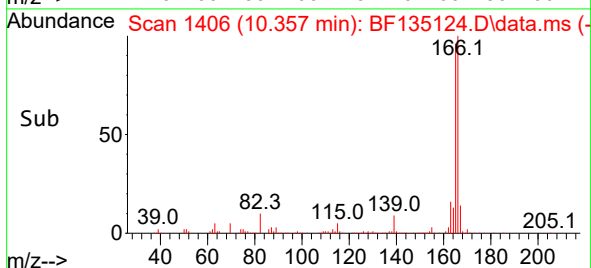
Supervised By :mohammad ahmed 09/07/2023

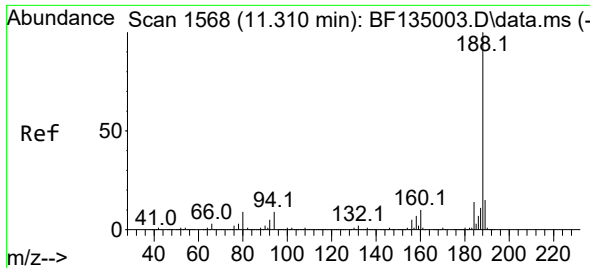


#58
Fluorene
Concen: 5.809 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39



Tgt Ion:166 Resp: 61049
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 14.9 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

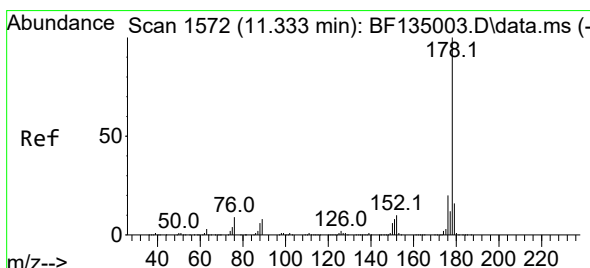
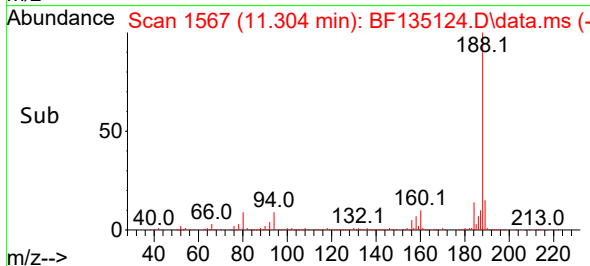
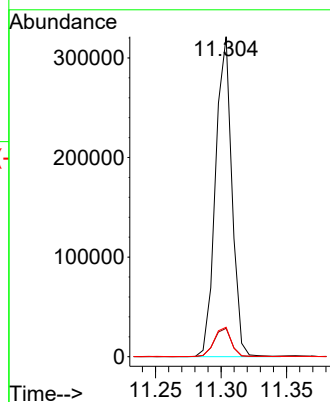
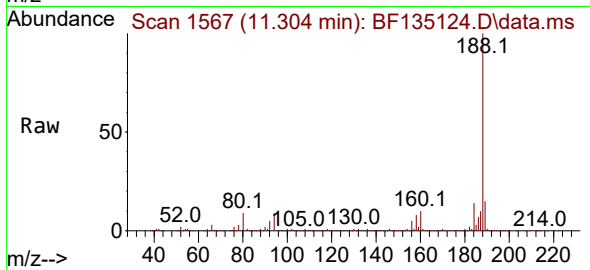
SU-02-083023

Tgt Ion:188 Resp: 27849
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 9.2 7.4 11.2

Manual Integrations

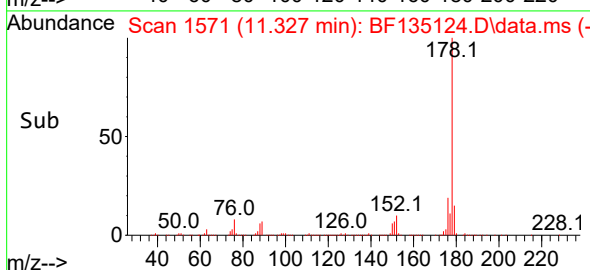
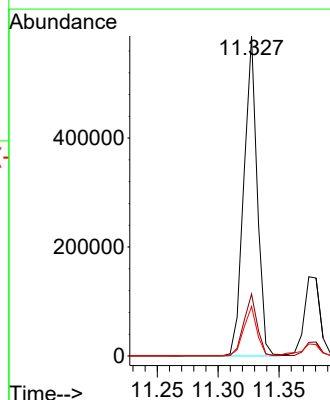
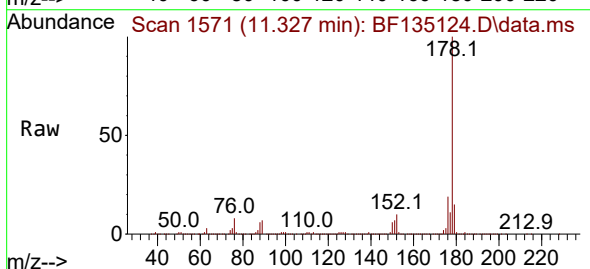
APPROVED

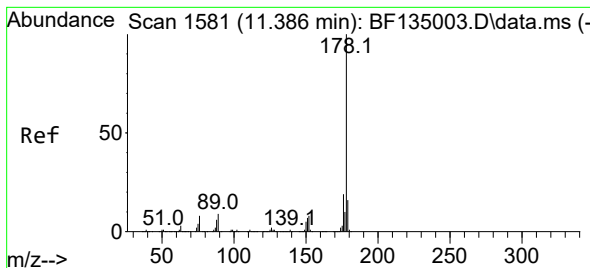
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#71
Phenanthrene
Concen: 31.346 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:178 Resp: 450360
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 8.681 ng

RT: 11.374 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135124.D

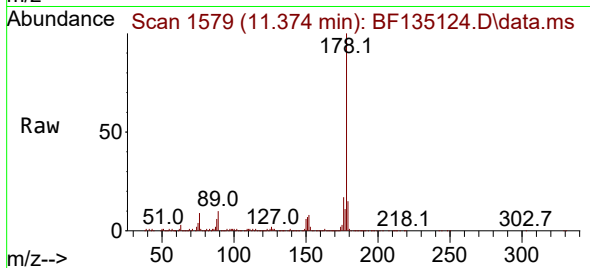
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

SU-02-083023



Tgt Ion:178 Resp: 127430

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

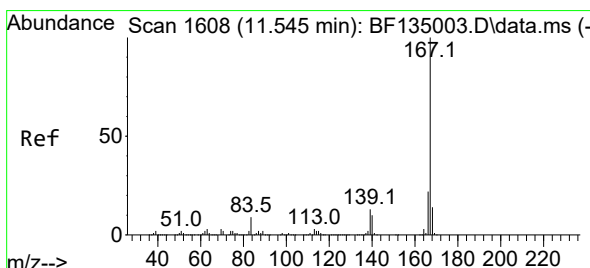
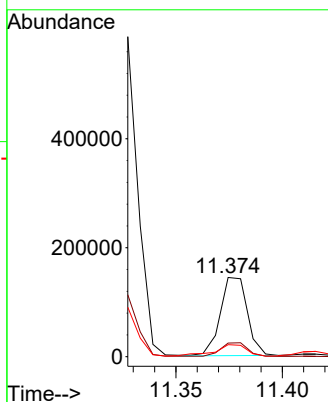
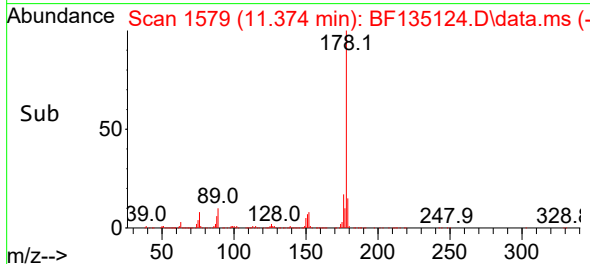
179 15.1 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#73

Carbazole

Concen: 2.397 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

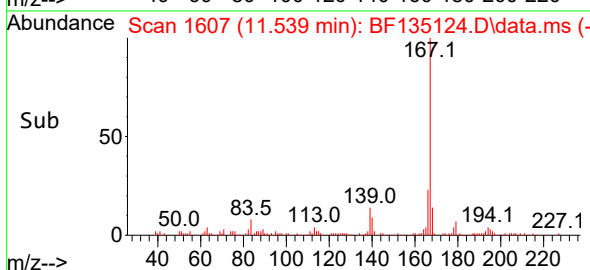
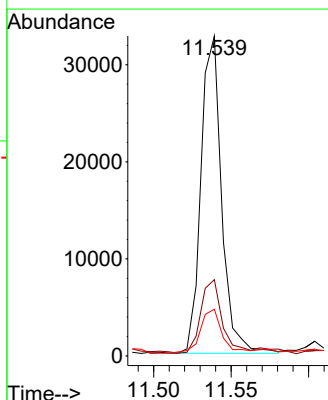
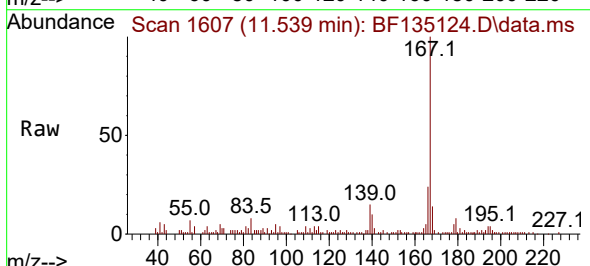
Tgt Ion:167 Resp: 30351

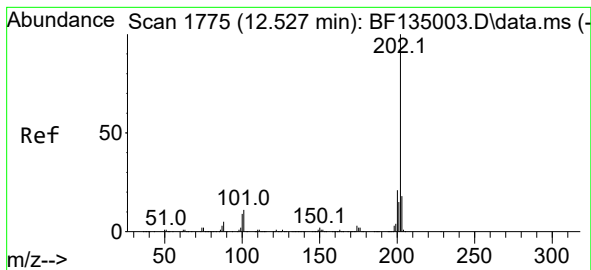
Ion Ratio Lower Upper

167 100

166 23.9 17.4 26.2

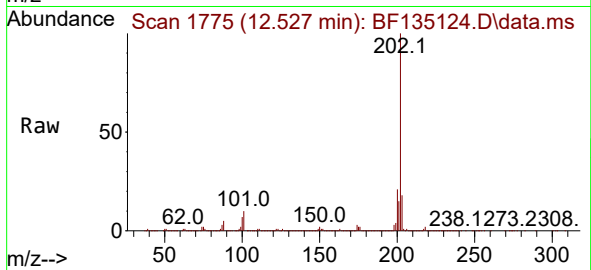
139 14.6 10.3 15.5





#75
Fluoranthene
Concen: 48.580 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

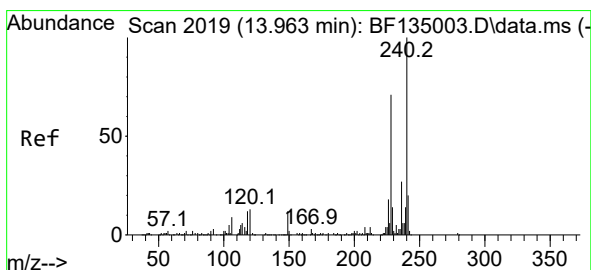
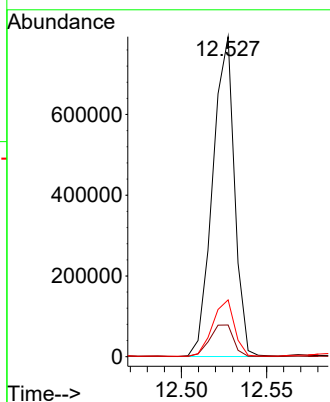
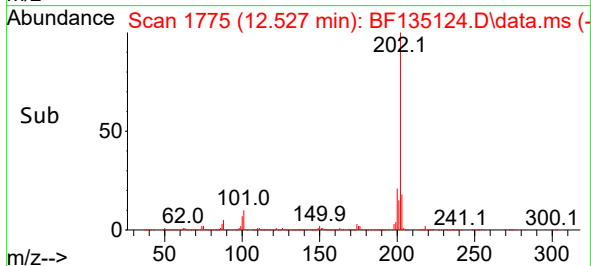
Instrument :
BNA_F
ClientSampleId :
SU-02-083023



Tgt Ion:202 Resp: 705684
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 17.7 0.0 37.8

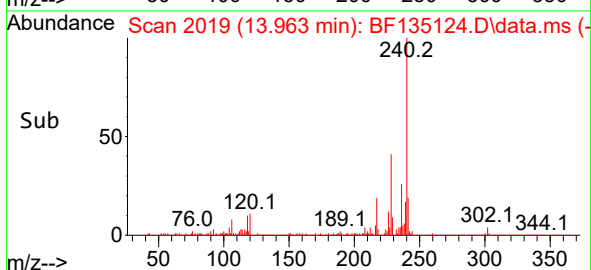
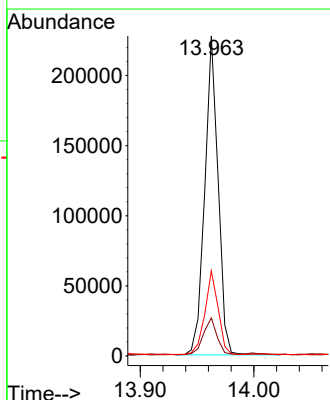
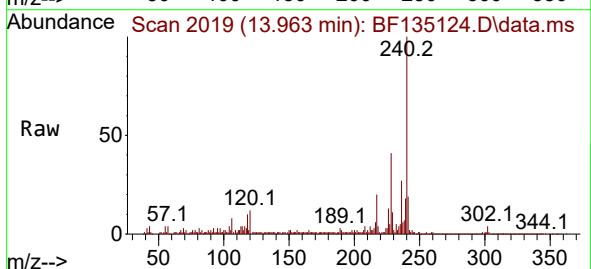
Manual Integrations
APPROVED

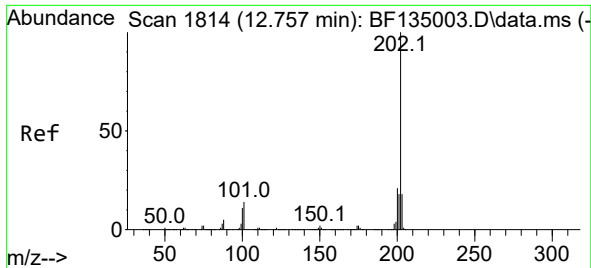
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

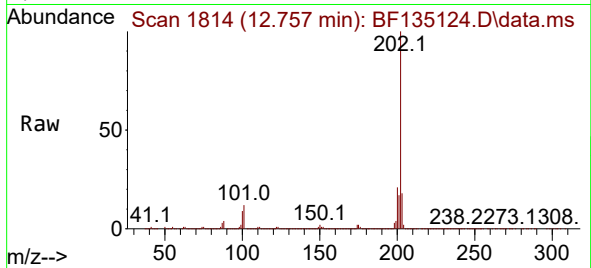
Tgt Ion:240 Resp: 185267
Ion Ratio Lower Upper
240 100
120 11.9 10.2 15.2
236 26.6 21.3 31.9





#78
Pyrene
Concen: 37.951 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

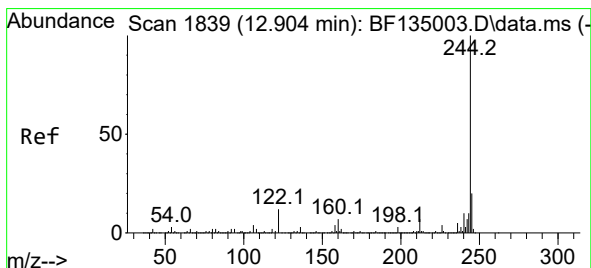
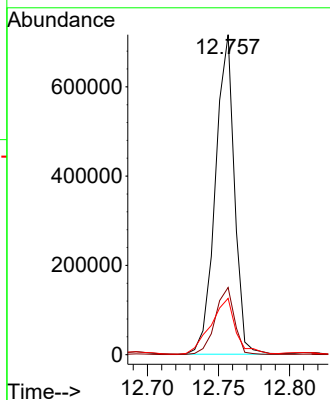
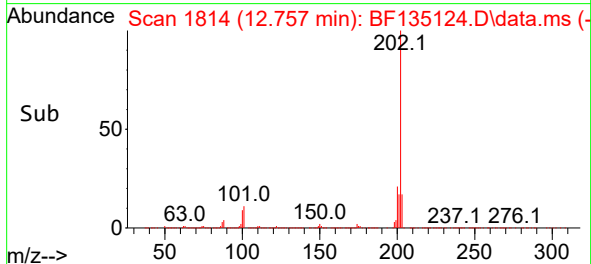
Instrument :
BNA_F
ClientSampleId :
SU-02-083023



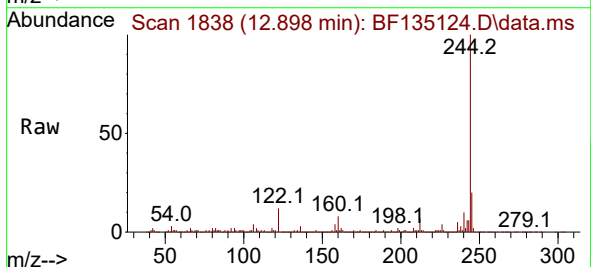
Tgt Ion:202 Resp: 667574
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.6 14.2 21.2

Manual Integrations
APPROVED

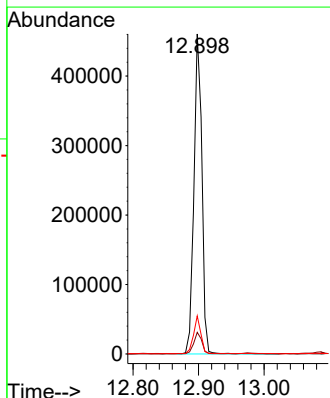
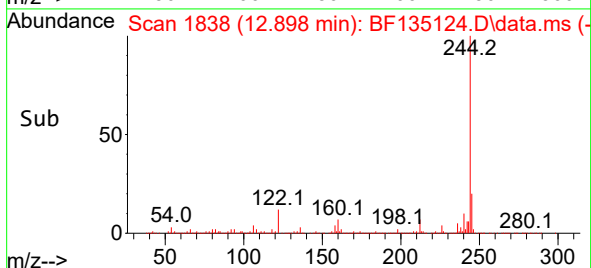
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

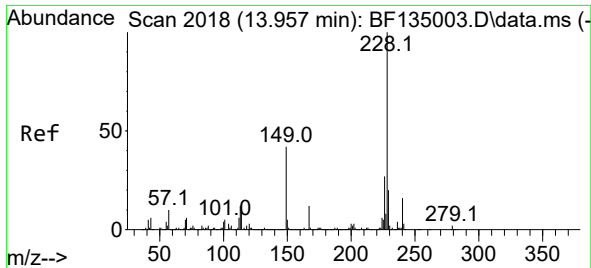


#79
Terphenyl-d14
Concen: 34.355 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39



Tgt Ion:244 Resp: 390027
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.9 9.8 14.6





#81
Benzo(a)anthracene
Concen: 29.418 ng
RT: 13.951 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

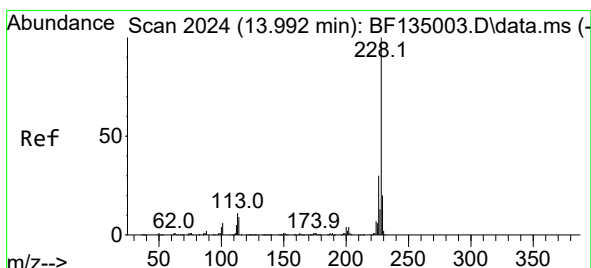
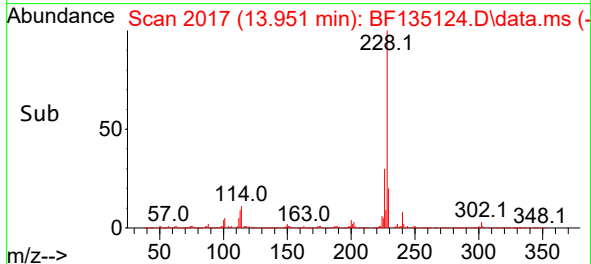
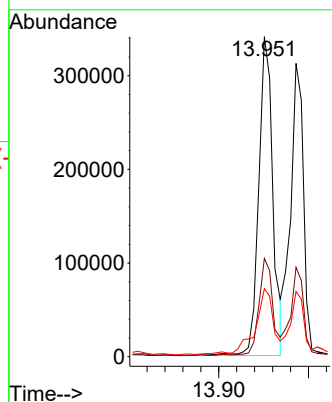
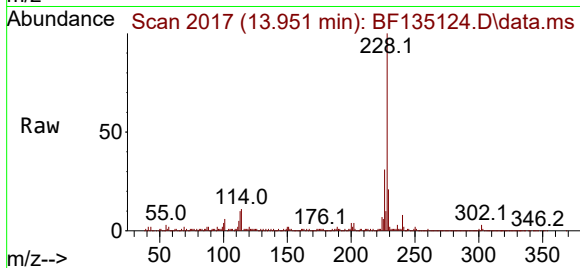
SU-02-083023

Tgt Ion:228 Resp: 371775
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 21.3 15.6 23.4

Manual Integrations

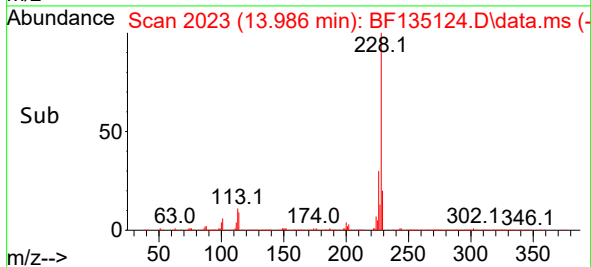
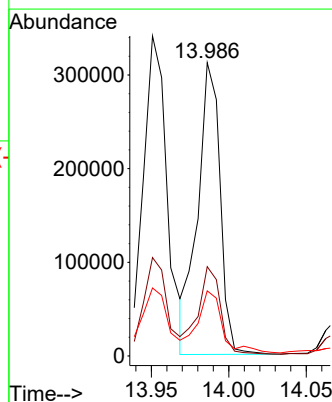
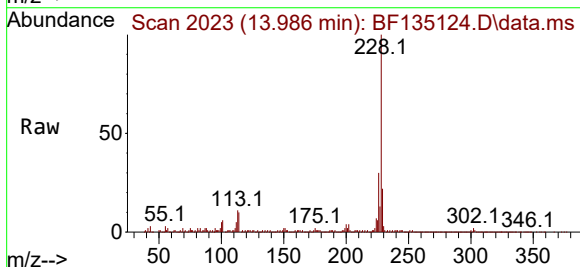
APPROVED

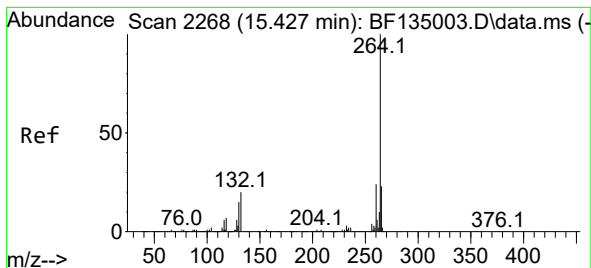
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#83
Chrysene
Concen: 25.274 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:228 Resp: 313905
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

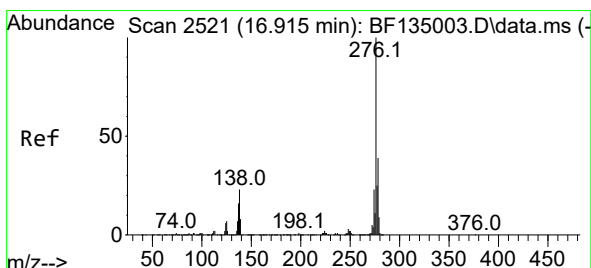
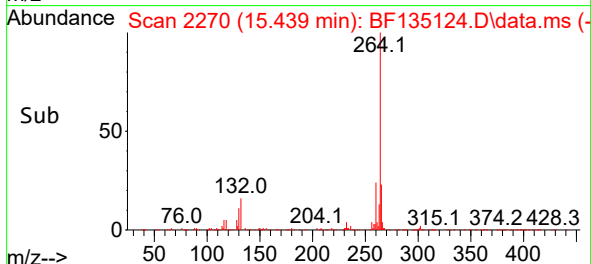
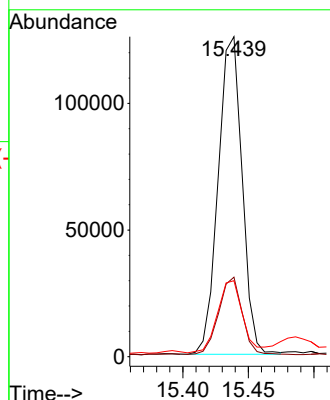
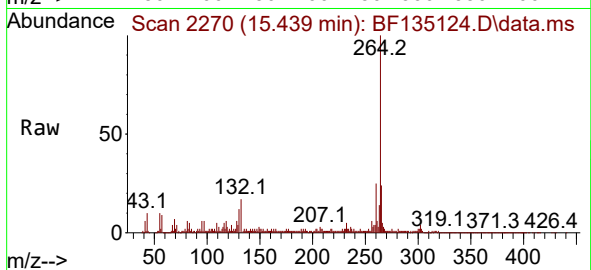
SU-02-083023

Tgt Ion:264	Resp: 15936
Ion Ratio	Lower Upper
264	100
260	24.9 19.0 28.6
265	23.7 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.141 ng m

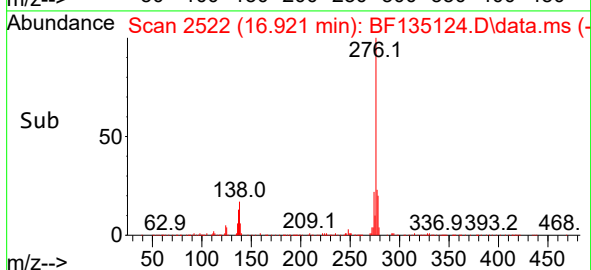
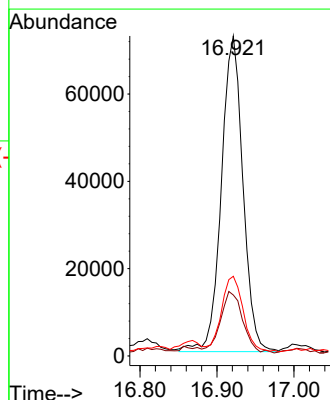
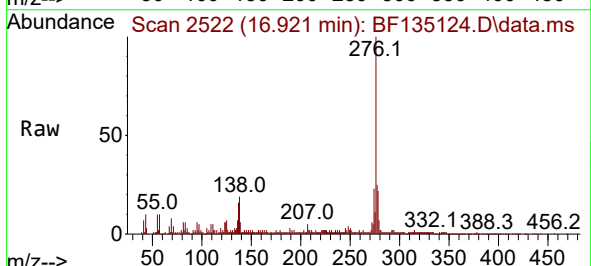
RT: 16.921 min Scan# 2522

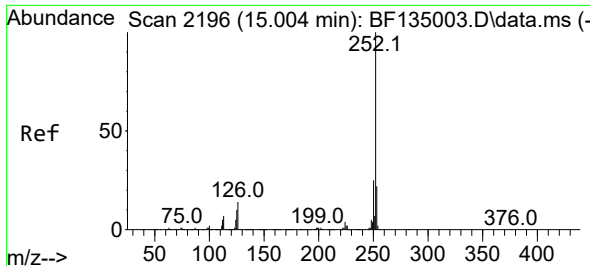
Delta R.T. 0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Tgt Ion:276	Resp: 141066
Ion Ratio	Lower Upper
276	100
138	4.4 20.2 30.2#
277	5.1 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 36.564 ng m
RT: 15.010 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

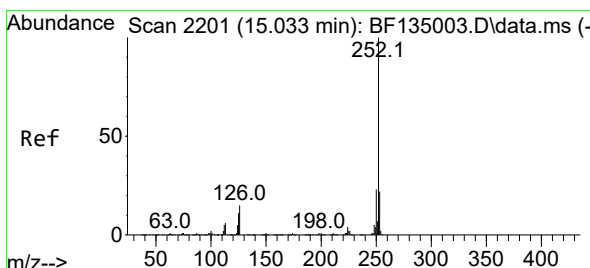
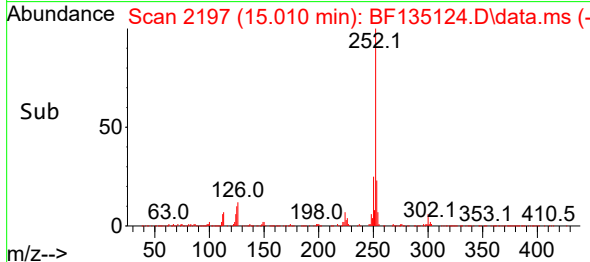
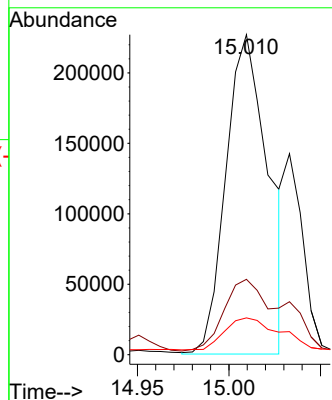
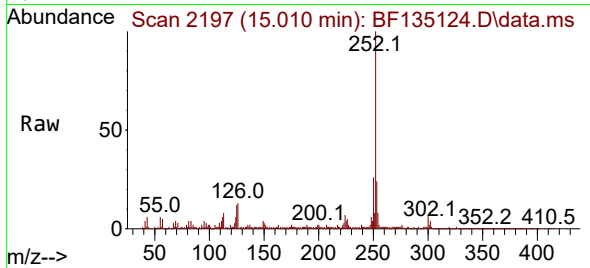
ClientSampleId :

SU-02-083023

Tgt Ion:252 Resp: 362574
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.5 8.4 12.6

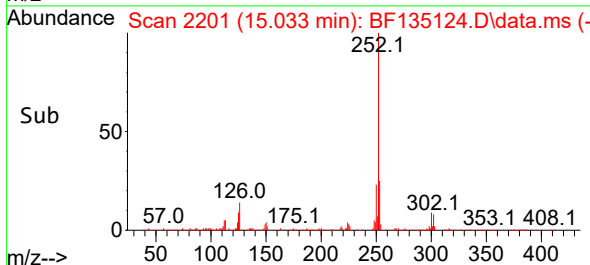
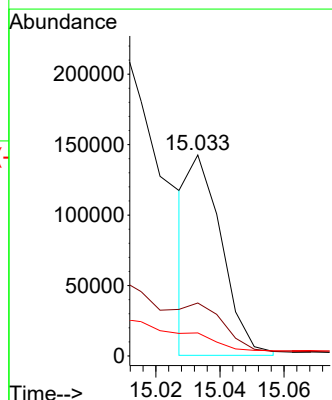
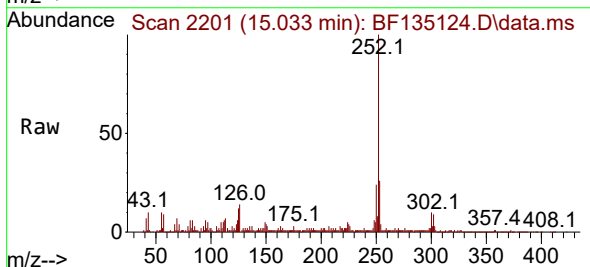
Manual Integrations
APPROVED

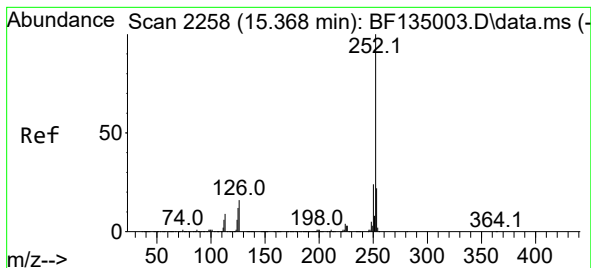
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#89
Benzo(k)fluoranthene
Concen: 10.404 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF135124.D
Acq: 06 Sep 2023 07:39

Tgt Ion:252 Resp: 99668
Ion Ratio Lower Upper
252 100
253 26.4 17.4 26.0#
125 11.5 8.5 12.7





#90

Benzo(a)pyrene

Concen: 25.911 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

Instrument :

BNA_F

ClientSampleId :

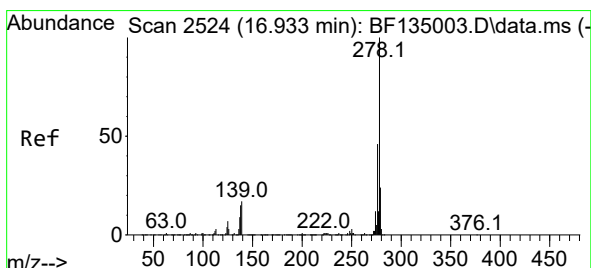
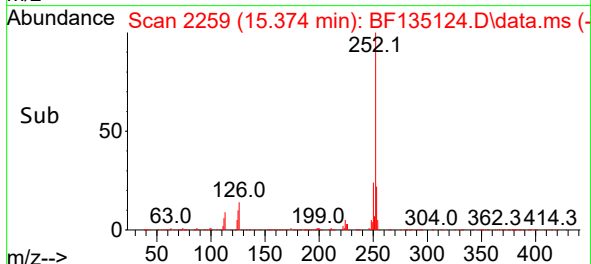
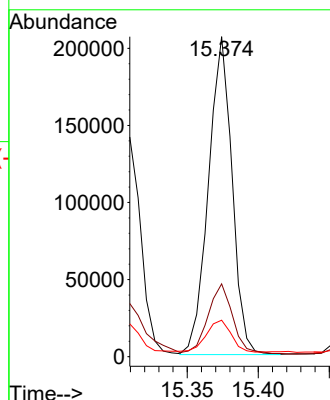
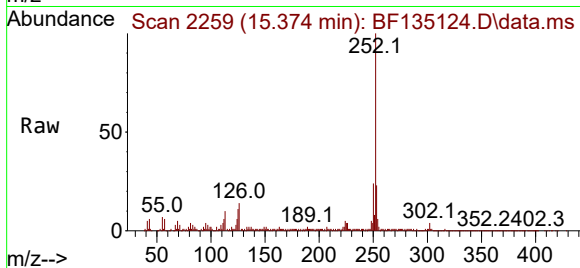
SU-02-083023

Tgt Ion:252 Resp: 238685
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 11.4 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.476 ng m

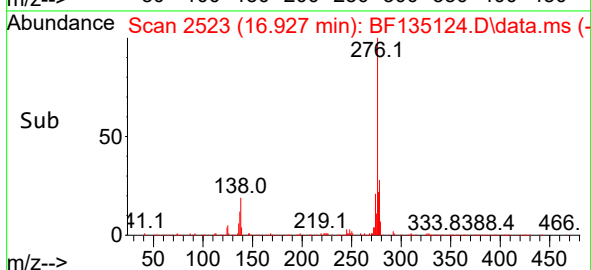
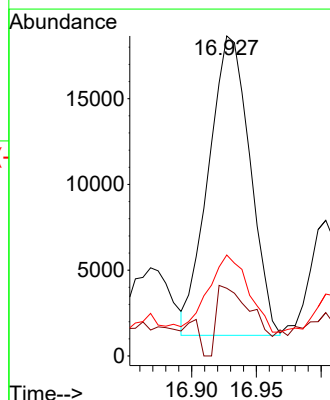
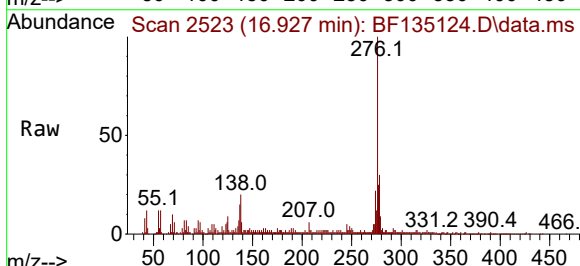
RT: 16.927 min Scan# 2523

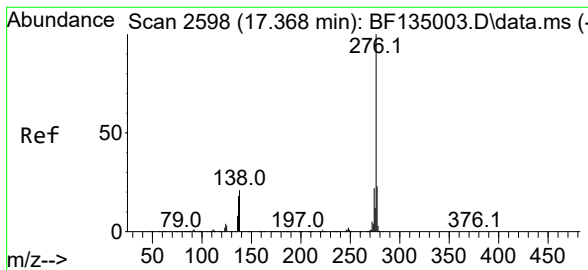
Delta R.T. -0.006 min

Lab File: BF135124.D

Acq: 06 Sep 2023 07:39

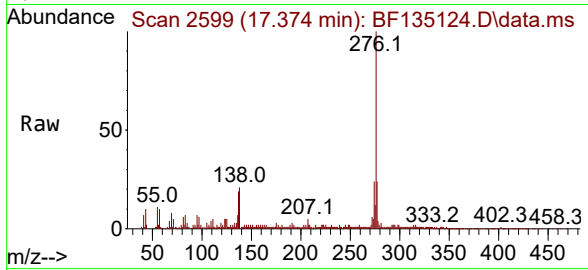
Tgt Ion:278 Resp: 38915
 Ion Ratio Lower Upper
 278 100
 139 21.2 13.4 20.2#
 279 31.6 19.5 29.3#





#92
 Benzo(g,h,i)perylene
 Concen: 13.590 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135124.D
 Acq: 06 Sep 2023 07:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-083023



Tgt Ion: 276 Resp: 122889
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.5 27.7
 138 21.1 17.1 25.7

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 09/06/2023
 Supervised By : mohammad ahmed 09/07/2023

