

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135086.D
 Acq On : 01 Sep 2023 20:21
 Operator : CG\JU
 Sample : 04189-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07(14-15)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023

Quant Time: Sep 02 00:14:40 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	6.775	152	70256	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	96044	20.000	ng	# 0.02
39) Acenaphthene-d10	9.816	164	120781	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	132127	20.000	ng	# 0.02
76) Chrysene-d12	14.015	240	109786	20.000	ng	0.05
86) Perylene-d12	15.486	264	139982	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	93720	20.605	ng	0.00
7) Phenol-d6	6.410	99	107684	18.994	ng	0.00
23) Nitrobenzene-d5	7.339	82	59545	34.831	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	19531	15.244	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	97914	13.199	ng	0.00
79) Terphenyl-d14	12.916	244	123826	18.406	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.175	128	22944638	4890.465	ng	95
37) 2-Methylnaphthalene	8.810	142	5524631	1764.807	ng	99
38) 1-Methylnaphthalene	8.904	142	3539078	1208.256	ng	97
46) 1,1'-Biphenyl	9.245	154	2574285	278.967	ng	96
49) Acenaphthylene	9.692	152	3700296	352.747	ng	98
52) Acenaphthene	9.857	154	1283427	191.988	ng	96
55) Dibenzofuran	10.045	168	4958654	514.211	ng	95
58) Fluorene	10.398	166	4065318m	552.975	ng	
71) Phenanthrene	11.404	178	15018203	2203.212	ng	97
72) Anthracene	11.439	178	4021847m	577.478	ng	
73) Carbazole	11.574	167	2844317	473.503	ng	97
75) Fluoranthene	12.598	202	13205833	1916.159	ng	97
78) Pyrene	12.839	202	10668782	1023.507	ng	95
81) Benzo(a)anthracene	14.004	228	6762897	903.055	ng	92
83) Chrysene	14.045	228	3209997m	436.153	ng	
87) Indeno(1,2,3-cd)pyrene	17.015	276	2757198m	292.423	ng	
88) Benzo(b)fluoranthene	15.074	252	4833356m	554.925	ng	
89) Benzo(k)fluoranthene	15.074	252	2309549m	274.471	ng	
90) Benzo(a)pyrene	15.451	252	4348873	537.482	ng	97
91) Dibenzo(a,h)anthracene	17.004	278	588577m	77.074	ng	
92) Benzo(g,h,i)perylene	17.474	276	2540380	319.849	ng	97

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

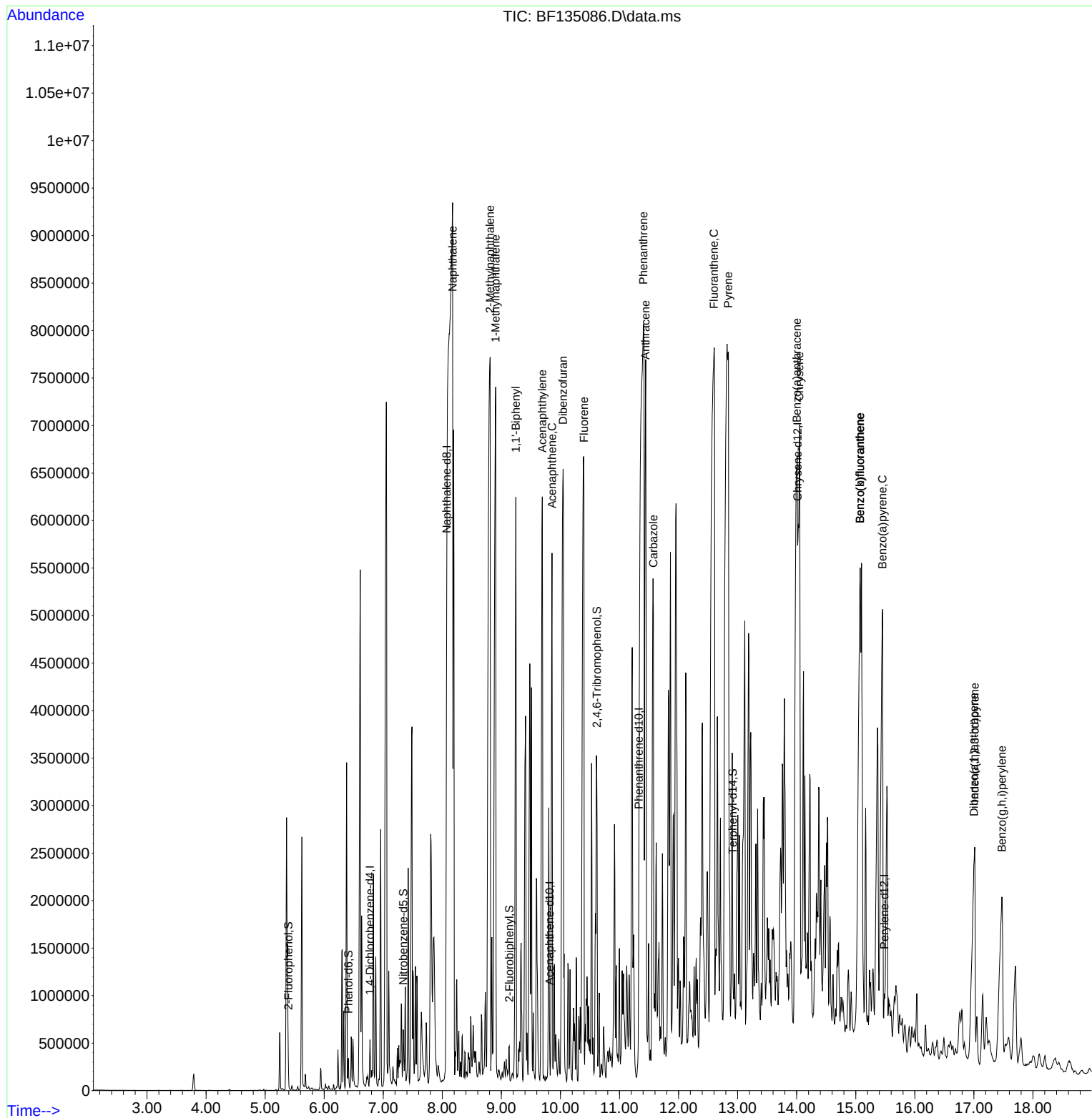
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
Data File : BF135086.D
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ALS Vial : 21 Sample Multiplier: 1

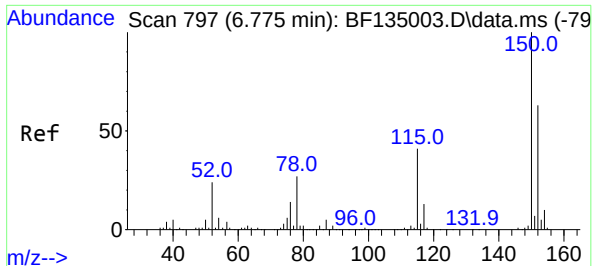
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)

Quant Time: Sep 02 00:14:40 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
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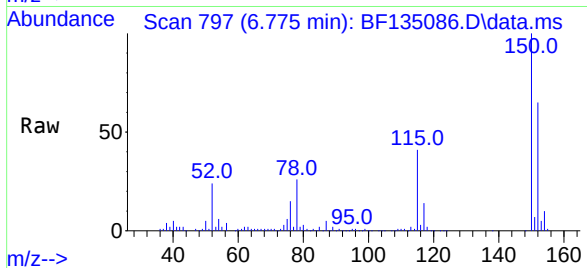
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)

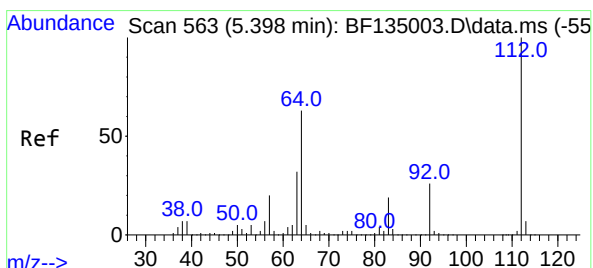
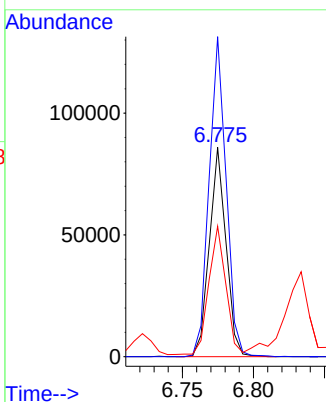
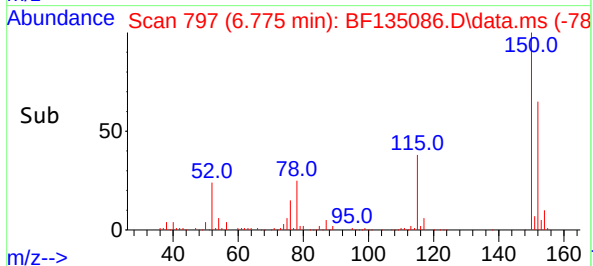


Tgt Ion:152 Resp: 70250
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.4
115 62.3 51.2 76.8

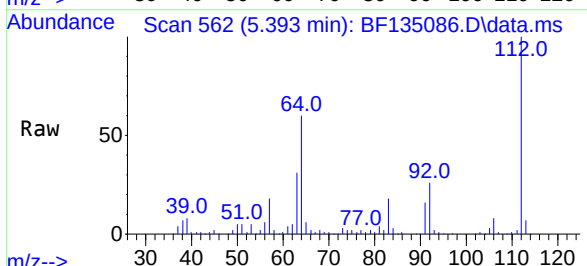
Manual Integrations

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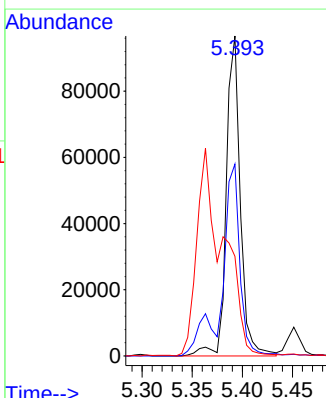
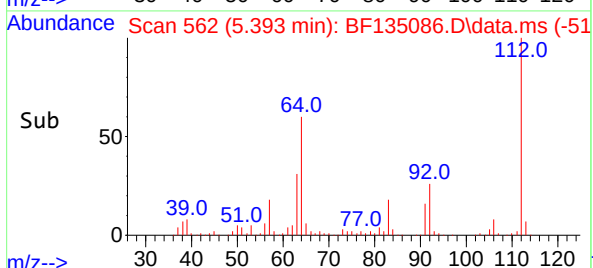
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

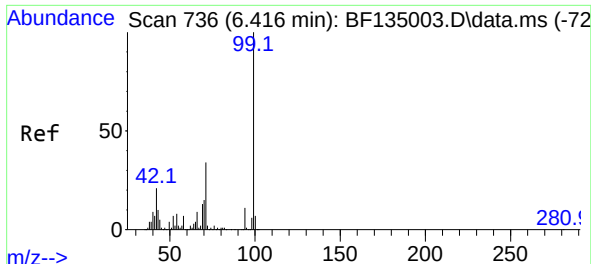


#5
2-Fluorophenol
Concen: 20.605 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.006 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



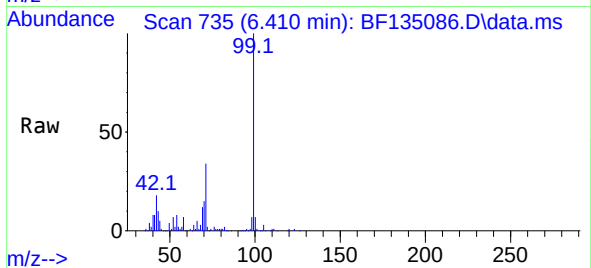
Tgt Ion:112 Resp: 93720
Ion Ratio Lower Upper
112 100
64 60.0 50.5 75.7
63 31.1 25.9 38.9





#7
Phenol-d6
Concen: 18.994 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

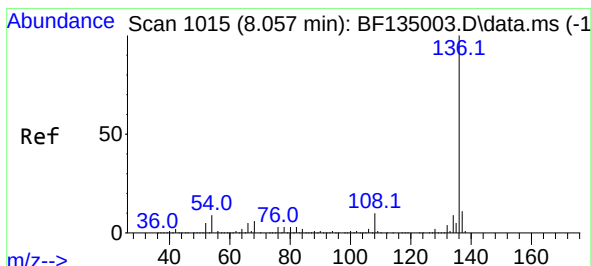
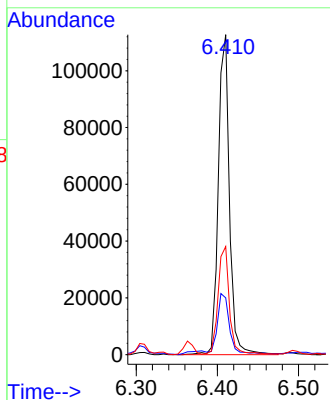
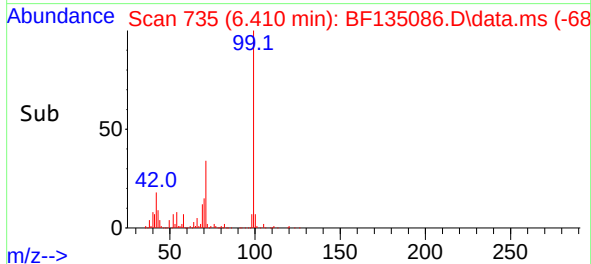
Instrument :
BNA_F
ClientSampleId :
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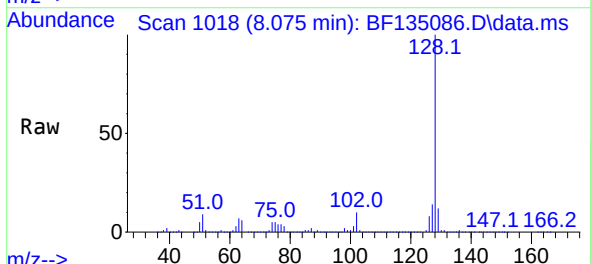
Tgt Ion: 99 Resp: 107684
Ion Ratio Lower Upper
99 100
42 17.8 16.6 25.0
71 33.8 27.0 40.6

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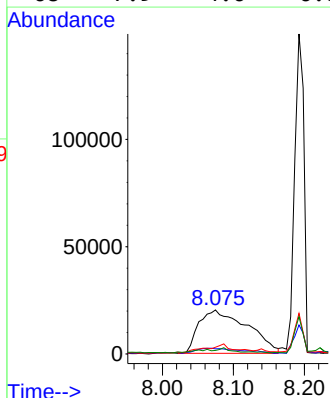
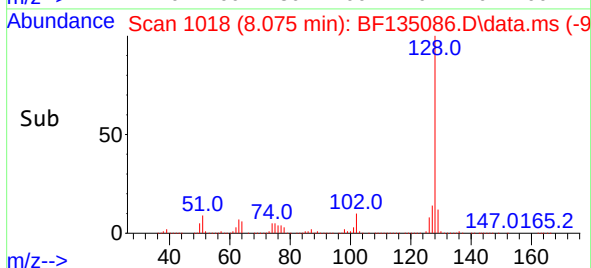
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

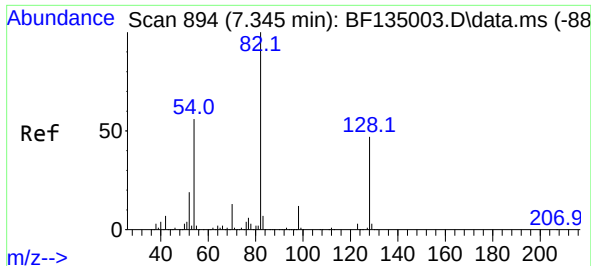


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.018 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



Tgt Ion:136 Resp: 96044
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 15.2 7.0 10.4#
68 7.9 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 34.831 ng

RT: 7.339 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF135086.D

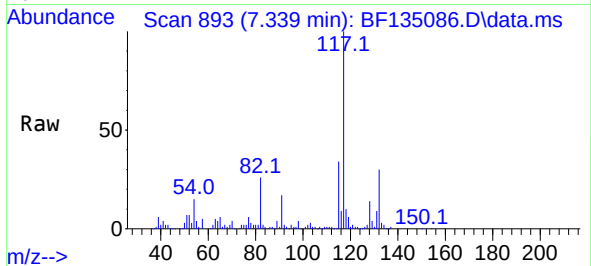
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)



Tgt Ion: 82 Resp: 5954

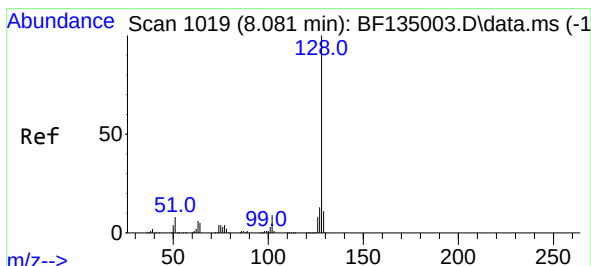
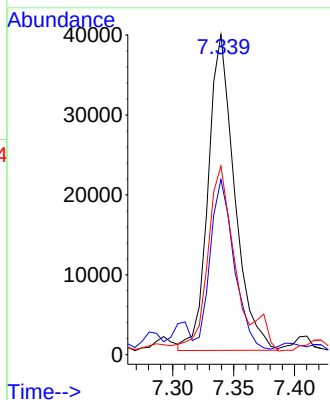
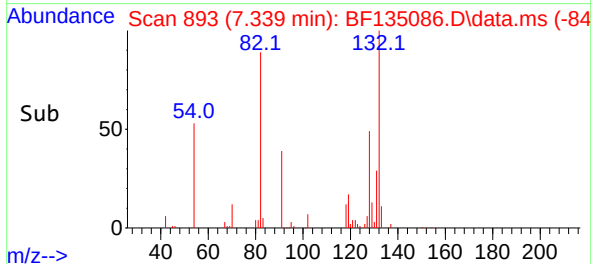
Ion	Ratio	Lower	Upper
82	100		
128	54.7	37.8	56.8
54	58.9	45.0	67.6

Manual Integrations

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Supervised By :mohammad ahmed 09/04/2023



#31

Naphthalene

Concen: 4890.465 ng

RT: 8.175 min Scan# 1035

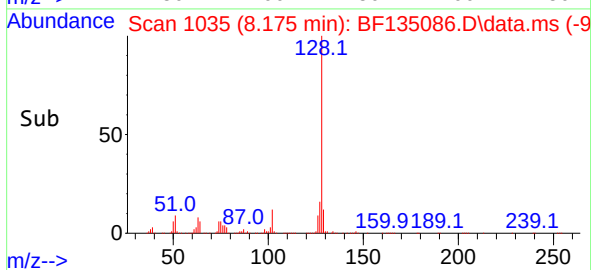
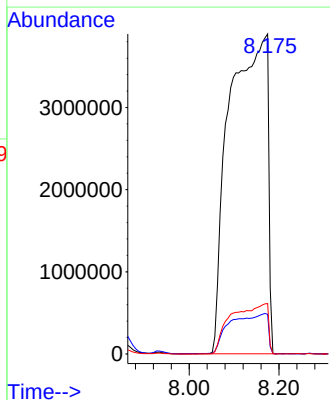
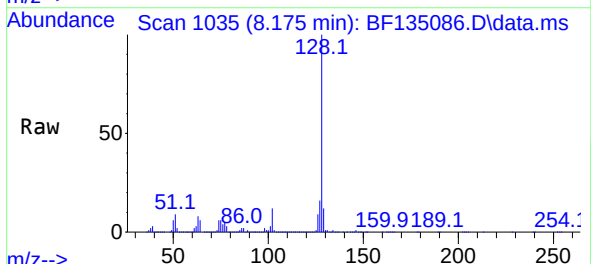
Delta R.T. 0.094 min

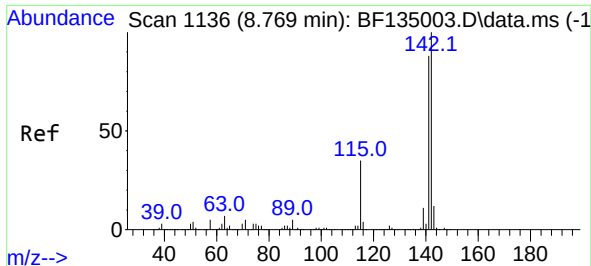
Lab File: BF135086.D

Acq: 01 Sep 2023 20:21

Tgt Ion:128 Resp:22944638

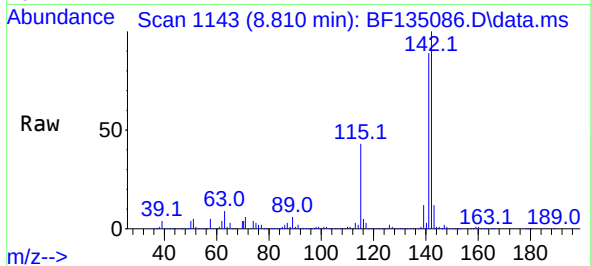
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	13.0
127	15.8	10.6	16.0





#37
2-Methylnaphthalene
Concen: 1764.807 ng
RT: 8.810 min Scan# 1143
Delta R.T. 0.041 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

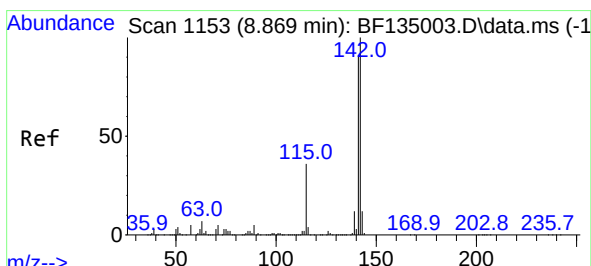
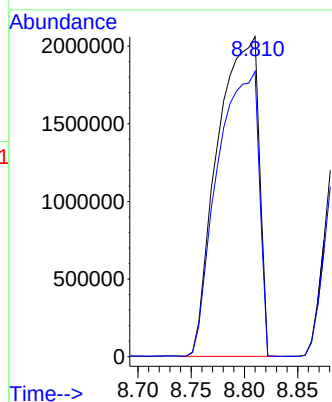
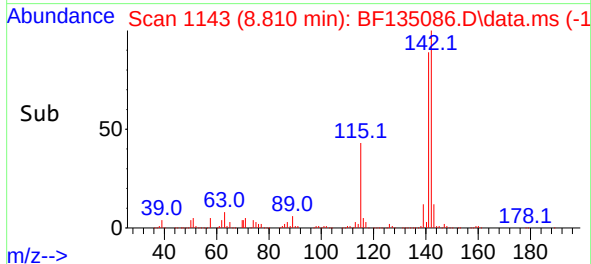
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



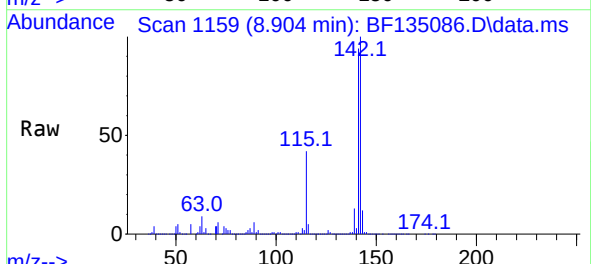
Tgt Ion:142 Resp: 552463
Ion Ratio Lower Upper
142 100
141 89.2 70.7 106.1

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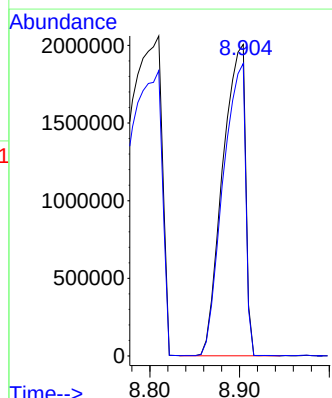
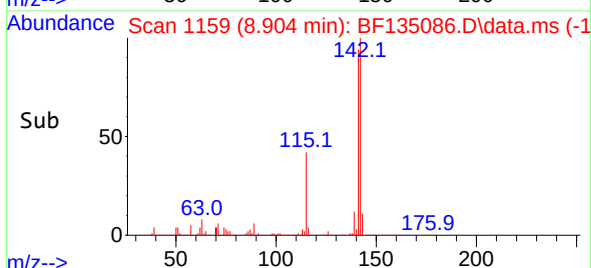
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

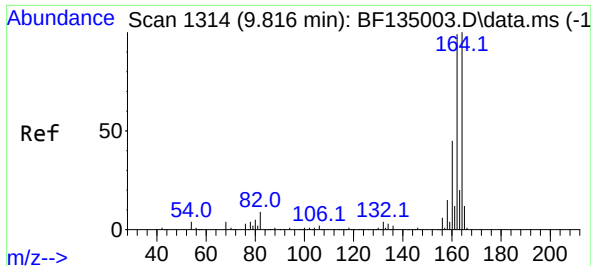


#38
1-Methylnaphthalene
Concen: 1208.256 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.035 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



Tgt Ion:142 Resp: 3539078
Ion Ratio Lower Upper
142 100
141 93.9 73.0 109.4





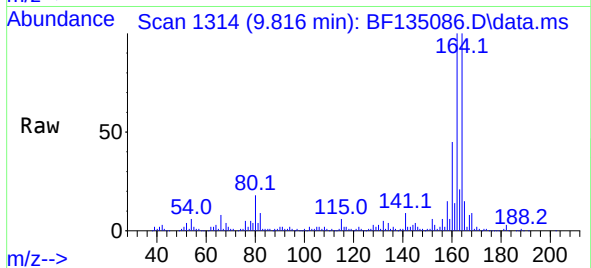
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)

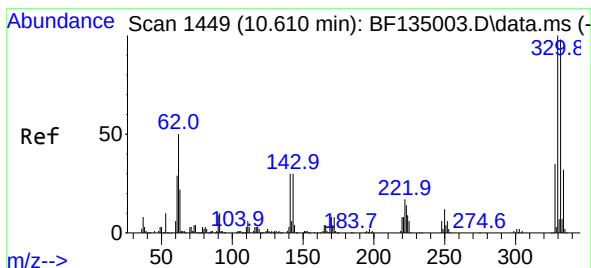
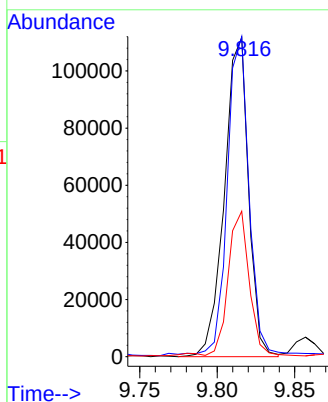
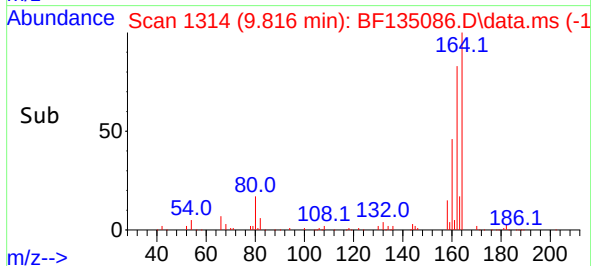


Tgt Ion:164 Resp: 12078
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 45.6 36.0 54.0

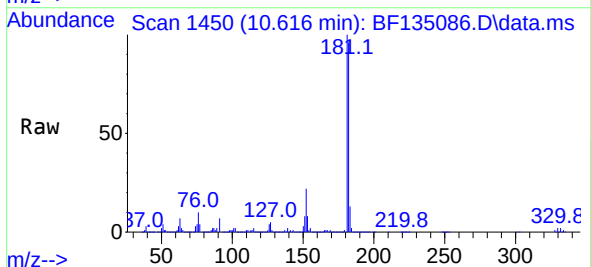
Manual Integrations

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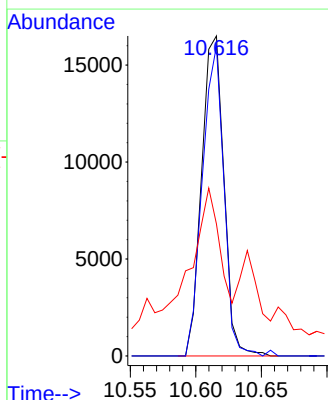
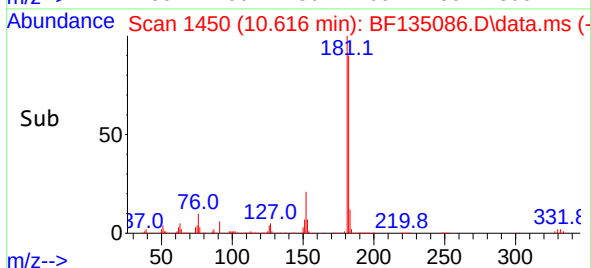
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

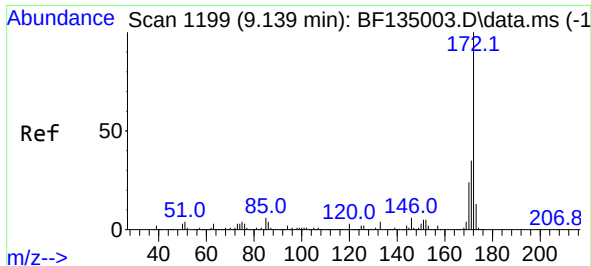


#42
2,4,6-Tribromophenol
Concen: 15.244 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



Tgt Ion:330 Resp: 19531
Ion Ratio Lower Upper
330 100
332 93.3 77.6 116.4
141 50.7 26.3 39.5#





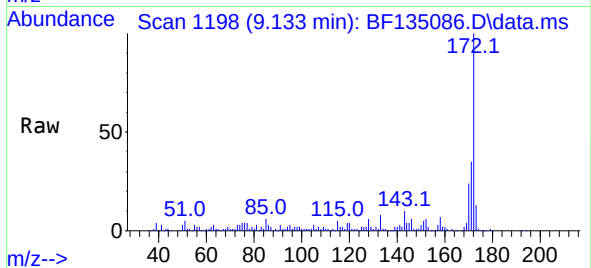
#45
2-Fluorobiphenyl
Concen: 13.199 ng
RT: 9.133 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)

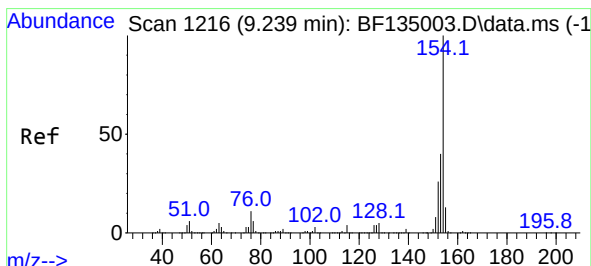
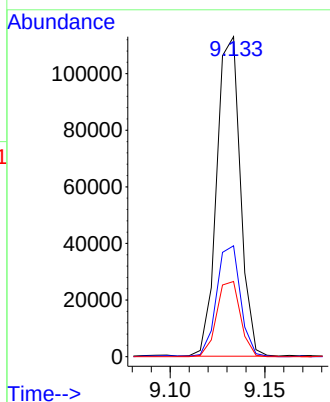
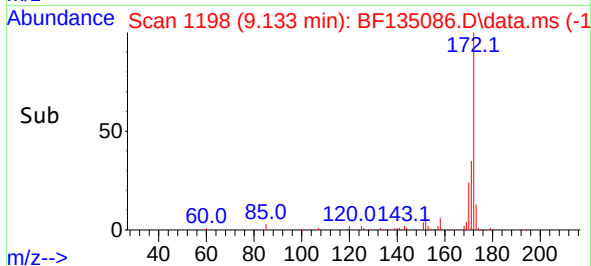


Tgt Ion:172 Resp: 97914
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.5 19.0 28.4

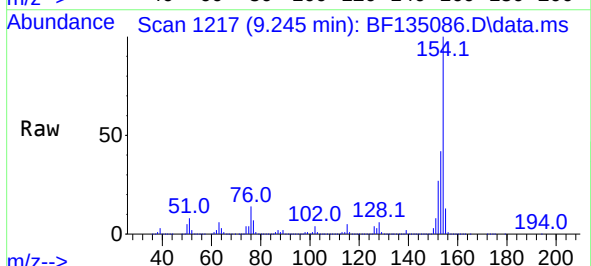
Manual Integrations

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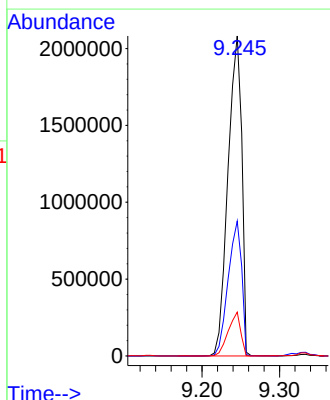
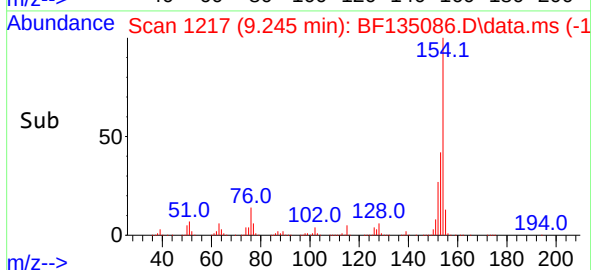
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

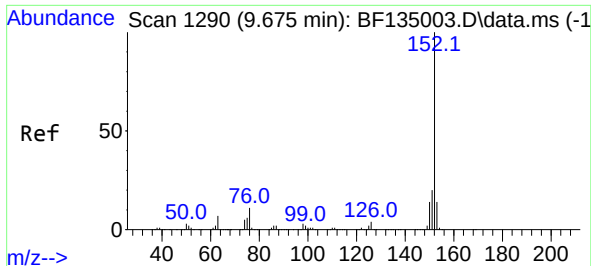


#46
1,1'-Biphenyl
Concen: 278.967 ng
RT: 9.245 min Scan# 1217
Delta R.T. 0.006 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



Tgt Ion:154 Resp: 2574285
Ion Ratio Lower Upper
154 100
153 42.1 20.2 60.2
76 13.7 0.0 31.2





#49

Acenaphthylene

Concen: 352.747 ng

RT: 9.692 min Scan# 1293

Delta R.T. 0.018 min

Lab File: BF135086.D

Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)

Tgt Ion:152 Resp: 3700290

Ion Ratio Lower Upper

152 100

151 21.3 16.2 24.4

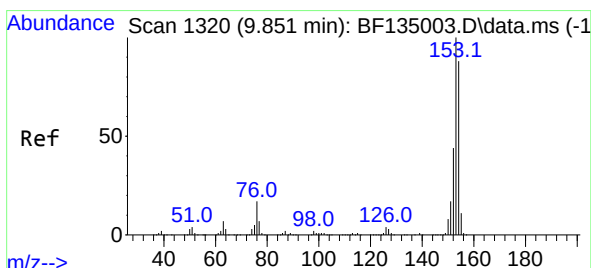
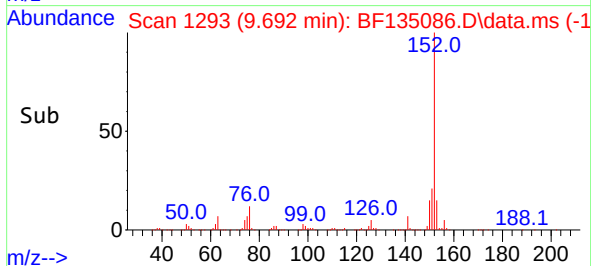
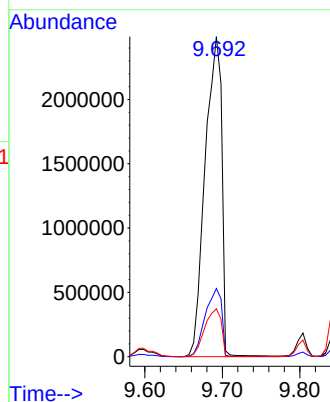
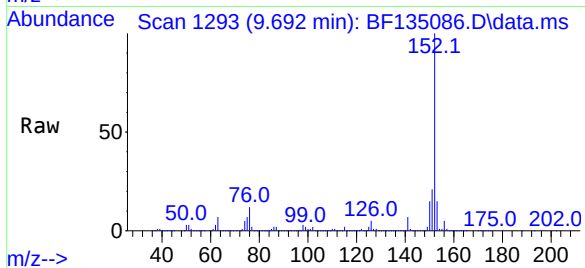
153 15.0 11.4 17.0

Manual Integrations

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#52

Acenaphthene

Concen: 191.988 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.006 min

Lab File: BF135086.D

Acq: 01 Sep 2023 20:21

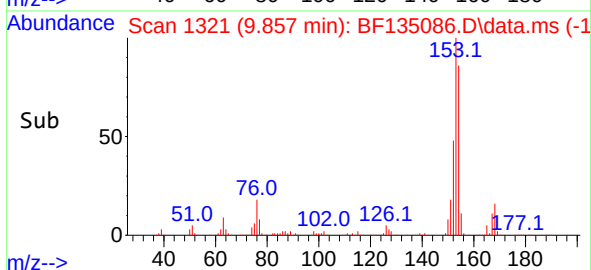
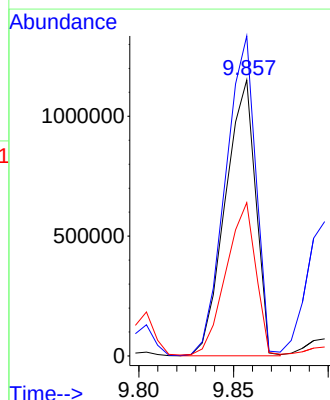
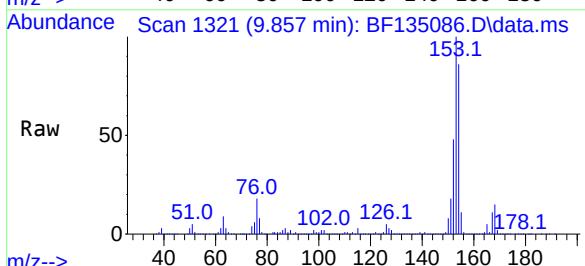
Tgt Ion:154 Resp: 1283427

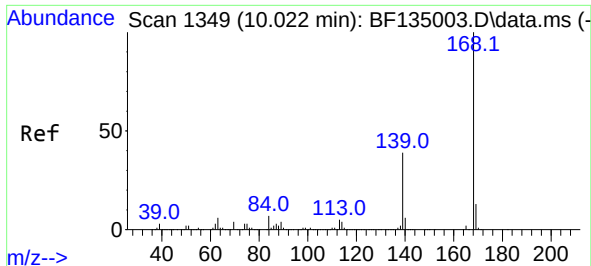
Ion Ratio Lower Upper

154 100

153 115.9 90.8 136.2

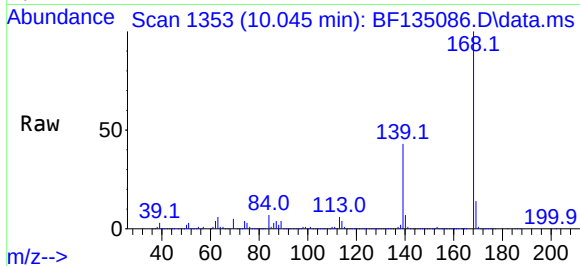
152 55.5 40.2 60.4





#55
Dibenzenofuran
Concen: 514.211 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

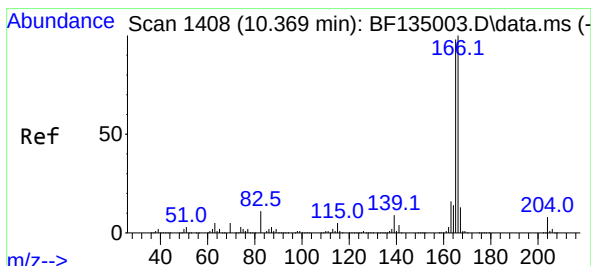
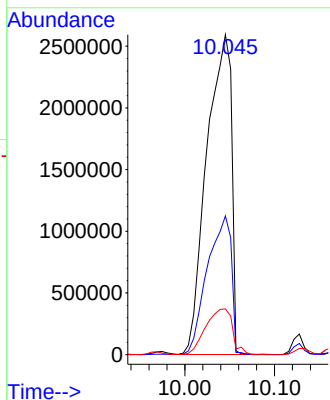
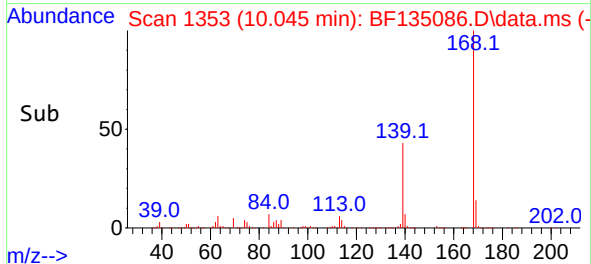
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



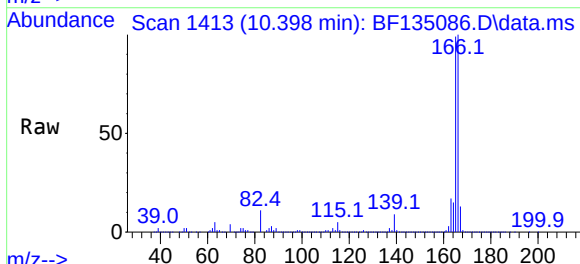
Tgt Ion:168 Resp: 4958654
Ion Ratio Lower Upper
168 100
139 43.4 31.5 47.3
169 14.3 10.7 16.1

Manual Integrations
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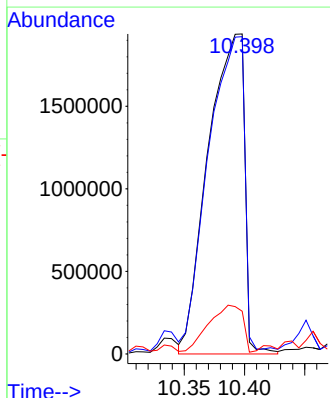
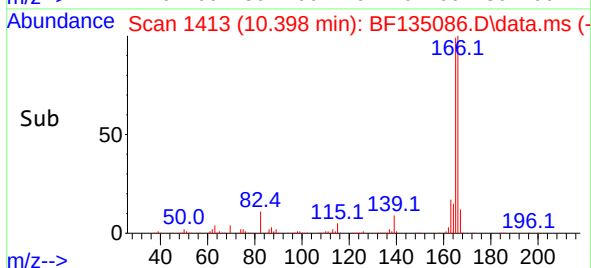
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

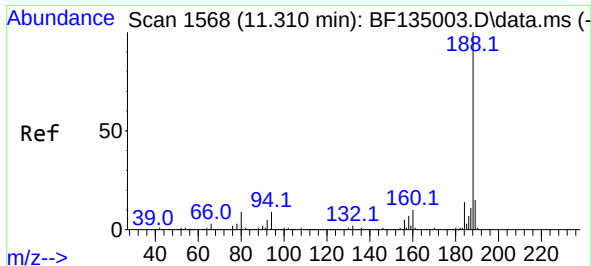


#58
Fluorene
Concen: 552.975 ng m
RT: 10.398 min Scan# 1413
Delta R.T. 0.029 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



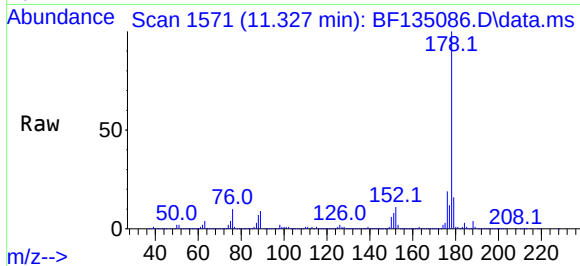
Tgt Ion:166 Resp: 4065318
Ion Ratio Lower Upper
166 100
165 99.2 78.0 117.0
167 13.4 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

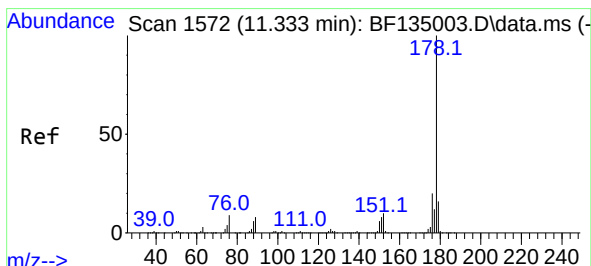
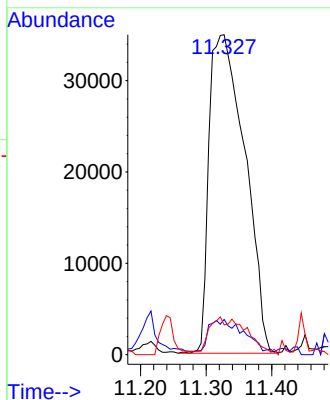
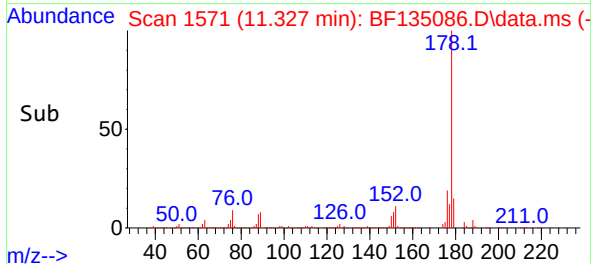
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



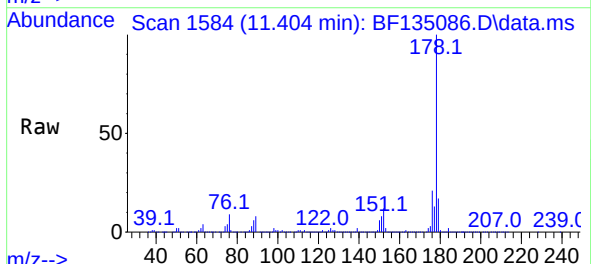
Tgt Ion:188 Resp: 13212
Ion Ratio Lower Upper
188 100
94 11.0 7.0 10.4
80 9.4 7.4 11.2

Manual Integrations
APPROVED

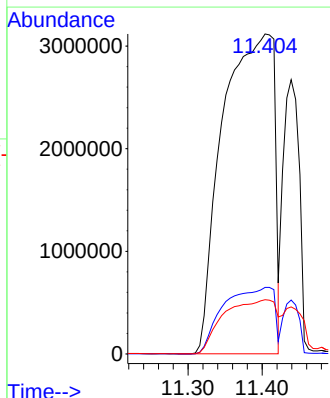
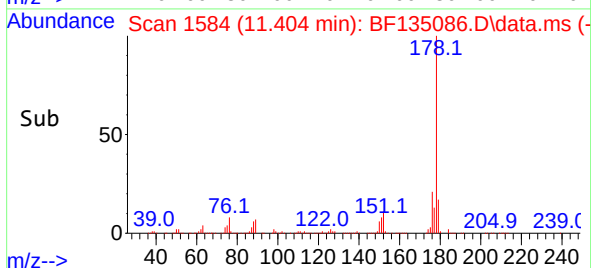
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

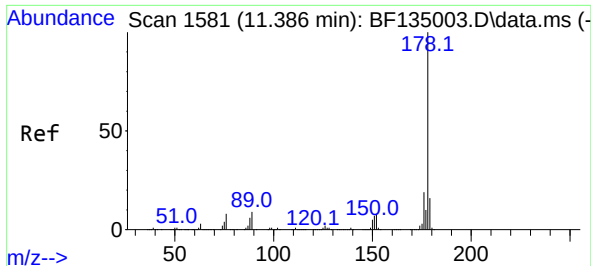


#71
Phenanthrene
Concen: 2203.212 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.071 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



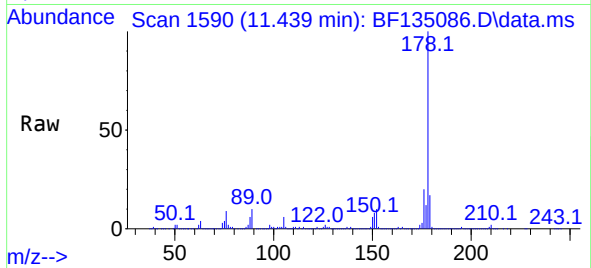
Tgt Ion:178 Resp:15018203
Ion Ratio Lower Upper
178 100
176 20.8 15.9 23.9
179 17.0 12.5 18.7





#72
Anthracene
Concen: 577.478 ng m
RT: 11.439 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

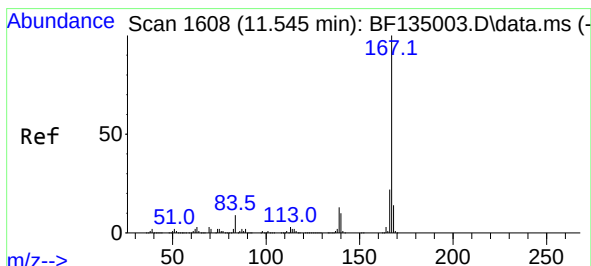
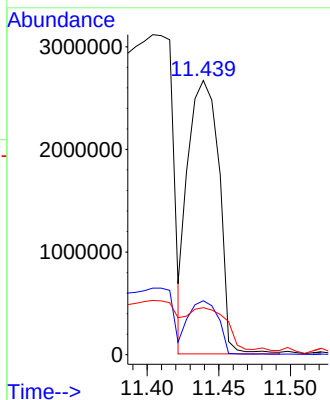
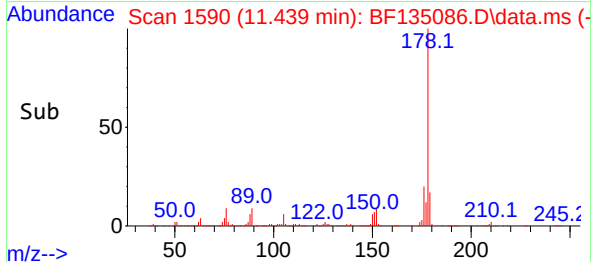
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



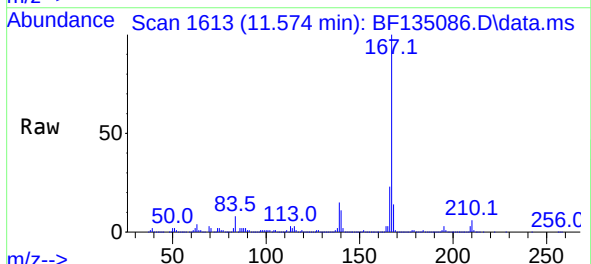
Tgt Ion:178 Resp: 402184
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 17.2 12.8 19.2

Manual Integrations
APPROVED

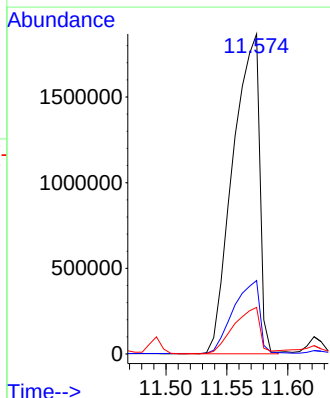
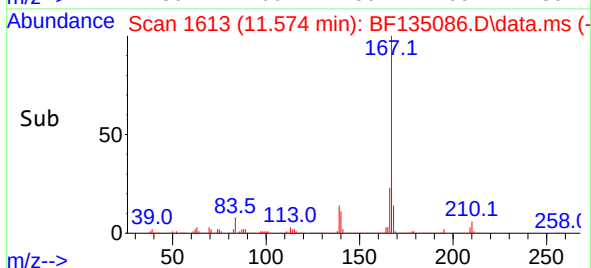
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

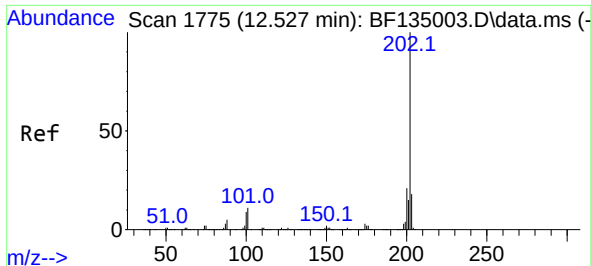


#73
Carbazole
Concen: 473.503 ng
RT: 11.574 min Scan# 1613
Delta R.T. 0.029 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21



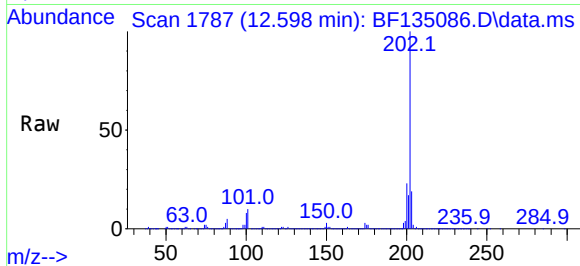
Tgt Ion:167 Resp: 2844317
Ion Ratio Lower Upper
167 100
166 23.0 17.4 26.2
139 14.6 10.3 15.5





#75
Fluoranthene
Concen: 1916.159 ng
RT: 12.598 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

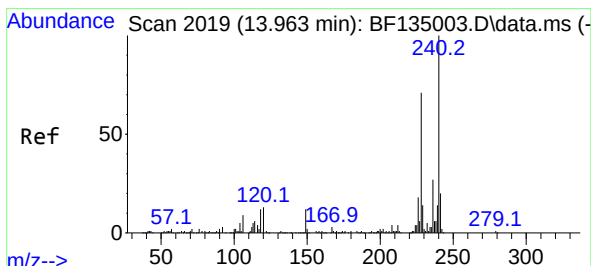
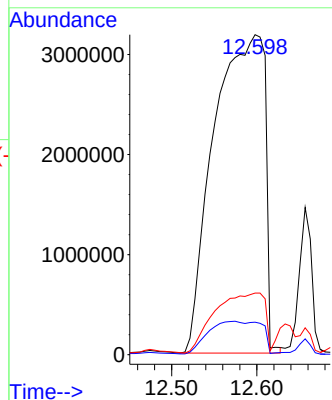
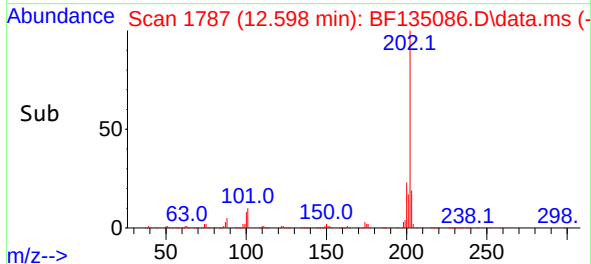
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



Tgt Ion:202 Resp:1320583
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 19.3 0.0 37.8

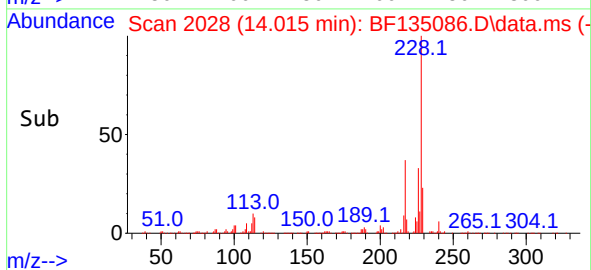
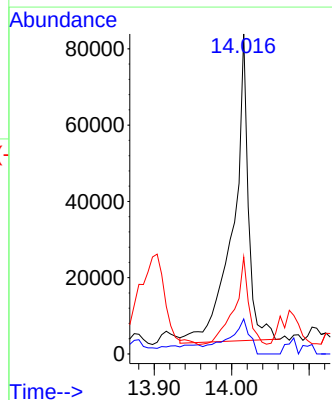
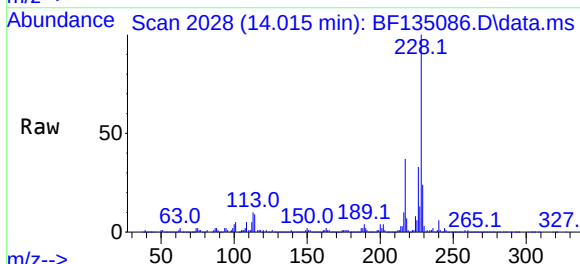
Manual Integrations
APPROVED

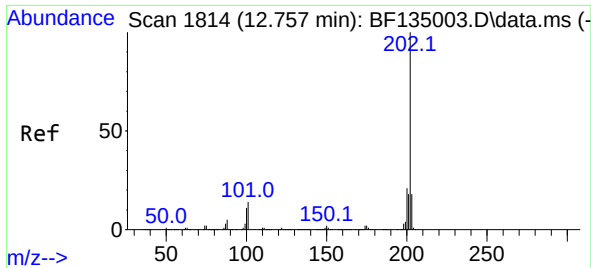
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.053 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Tgt Ion:240 Resp: 109786
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.2
236 30.3 21.3 31.9





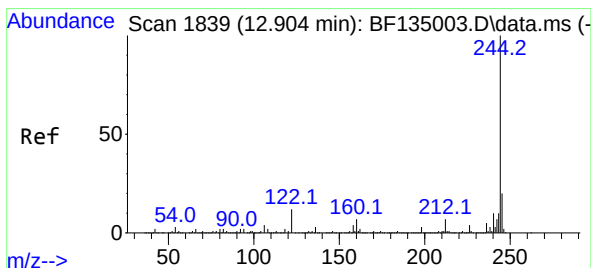
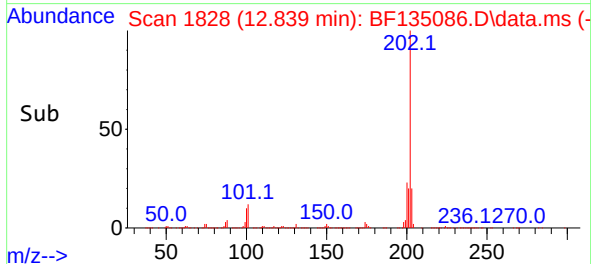
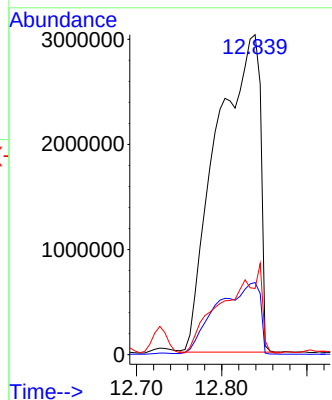
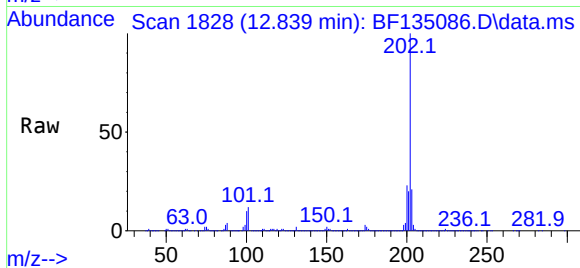
#78
Pyrene
Concen: 1023.507 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.082 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)

Tgt Ion:202 Resp:1066878
Ion Ratio Lower Upper
202 100
200 22.5 17.0 25.6
203 20.7 14.2 21.2

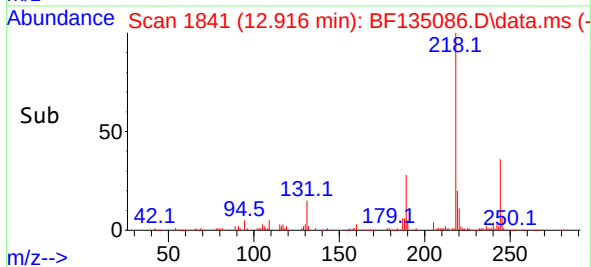
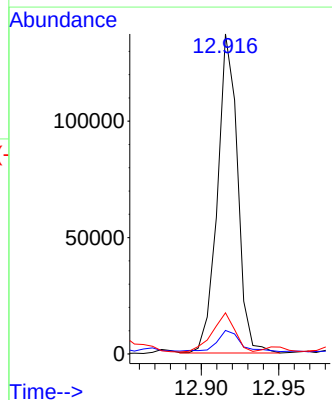
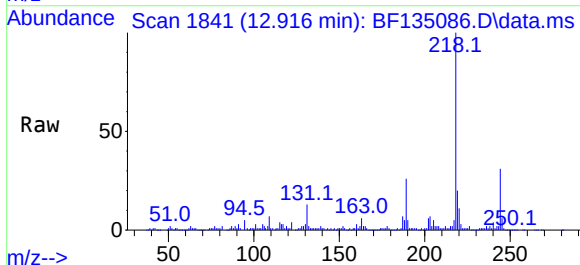
Manual Integrations
APPROVED

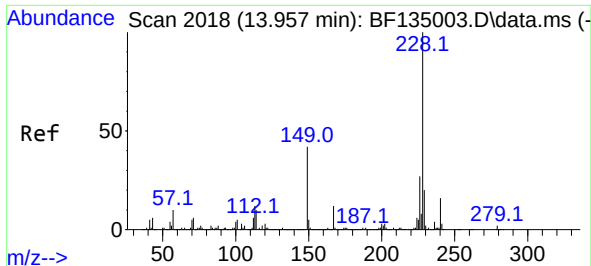
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#79
Terphenyl-d14
Concen: 18.406 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Tgt Ion:244 Resp: 123826
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 12.8 9.8 14.6





#81
Benzo(a)anthracene
Concen: 903.055 ng
RT: 14.004 min Scan# 2018
Delta R.T. 0.047 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

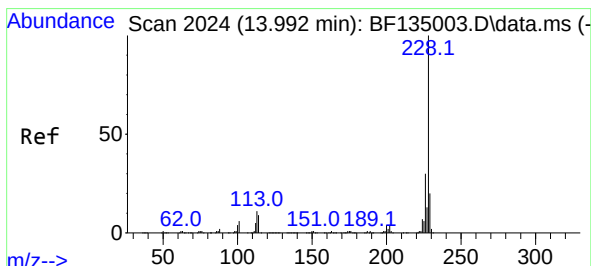
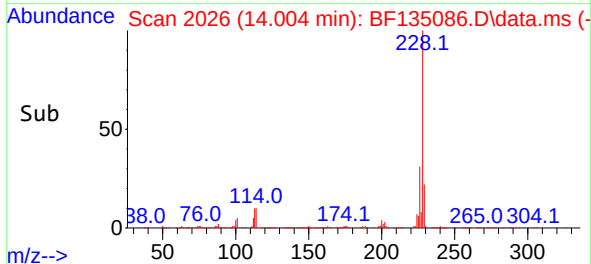
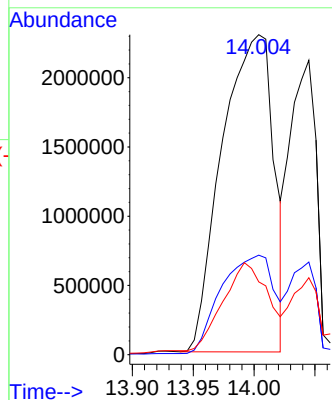
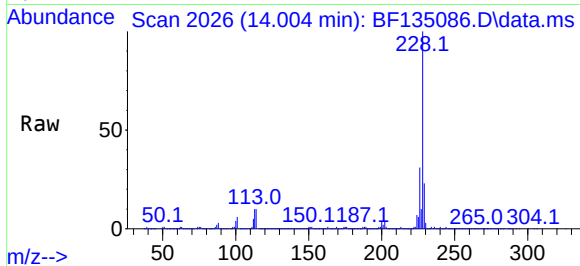
SB-07(14-15)

Tgt Ion:228 Resp: 676289
Ion Ratio Lower Upper
228 100
226 31.1 21.6 32.4
229 22.8 15.6 23.4

Manual Integrations

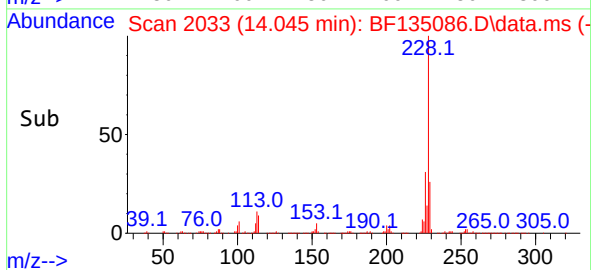
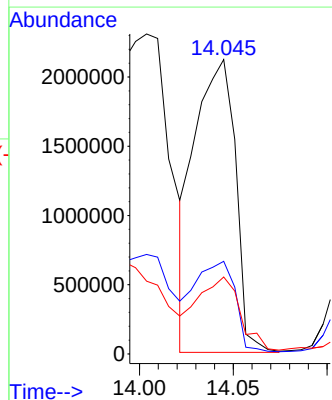
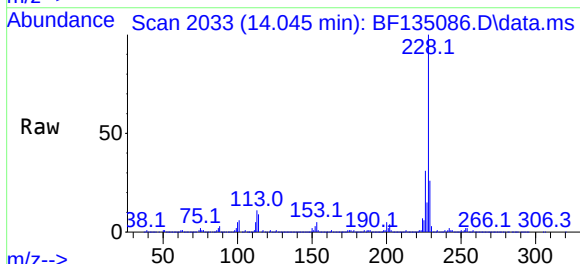
APPROVED

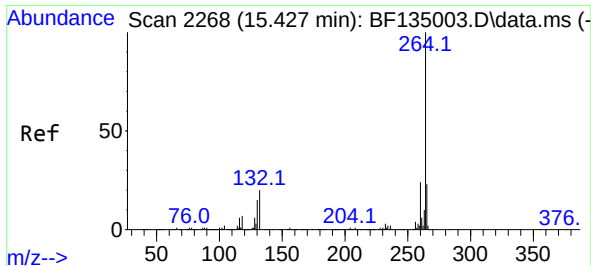
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#83
Chrysene
Concen: 436.153 ng m
RT: 14.045 min Scan# 2033
Delta R.T. 0.053 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

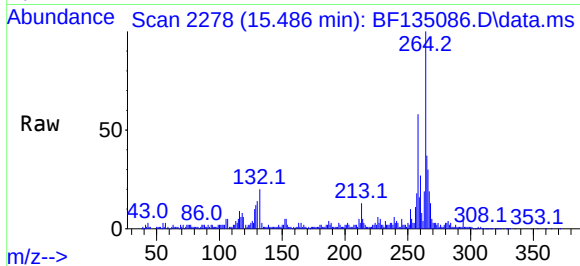
Tgt Ion:228 Resp: 3209997
Ion Ratio Lower Upper
228 100
226 31.5 24.2 36.4
229 26.1 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

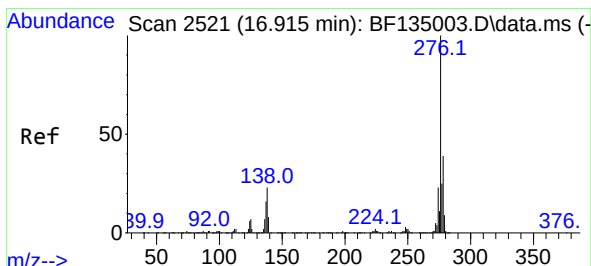
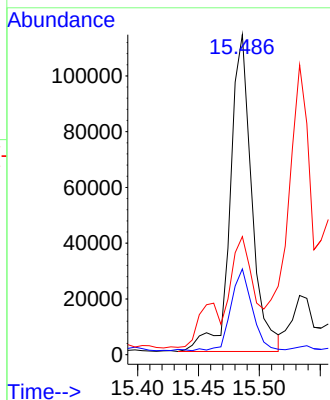
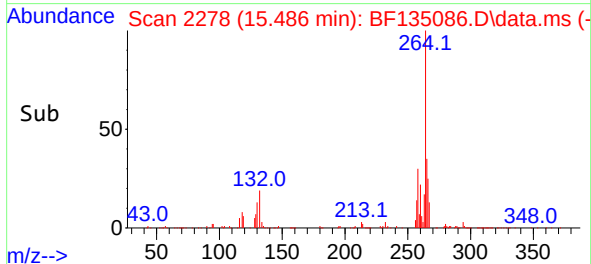
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



Tgt Ion:264 Resp: 139982
Ion Ratio Lower Upper
264 100
260 26.8 19.0 28.6
265 36.9 18.2 27.2

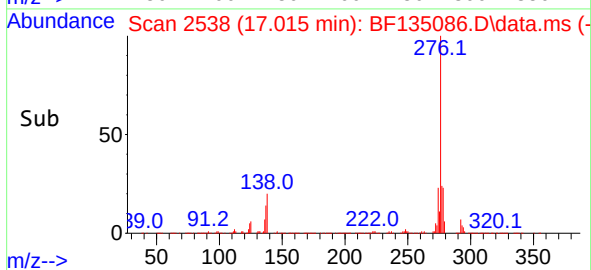
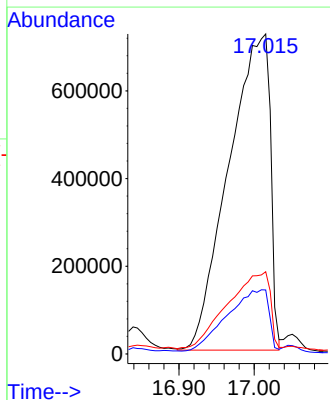
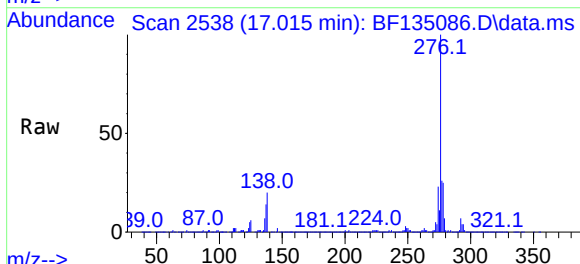
Manual Integrations
APPROVED

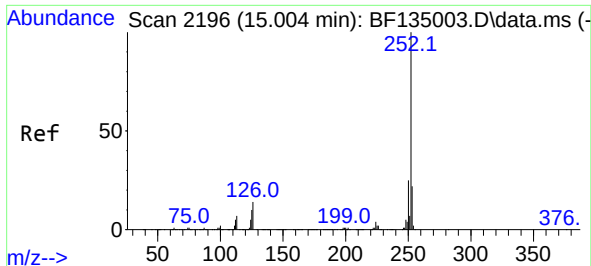
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 292.423 ng m
RT: 17.015 min Scan# 2538
Delta R.T. 0.100 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

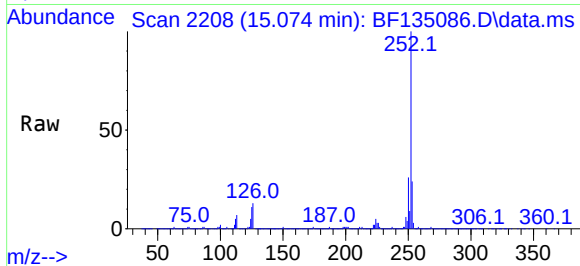
Tgt Ion:276 Resp: 2757198
Ion Ratio Lower Upper
276 100
138 3.7 20.2 30.2#
277 3.9 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 554.925 ng m
RT: 15.074 min Scan# 2196
Delta R.T. 0.071 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

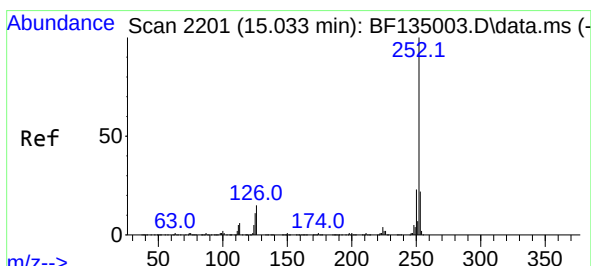
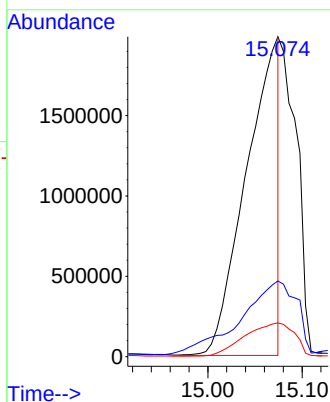
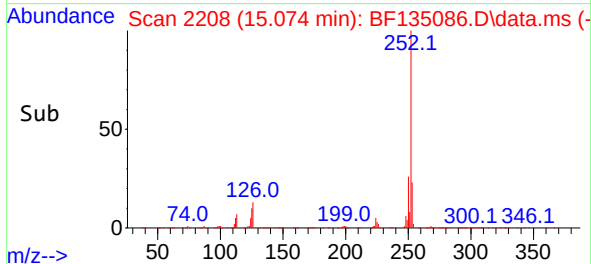
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



Tgt Ion:252 Resp: 4833350
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 10.6 8.4 12.6

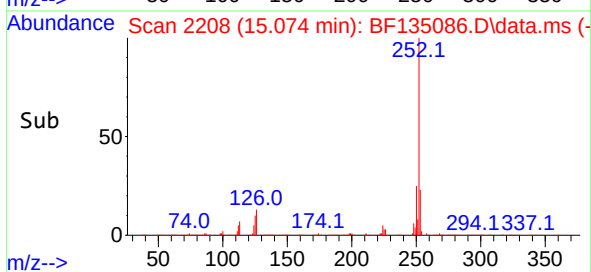
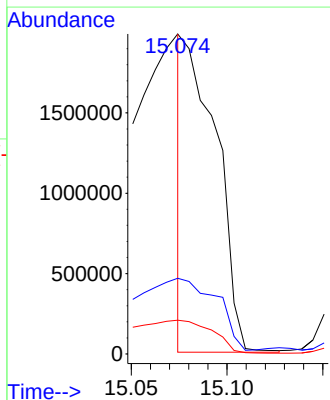
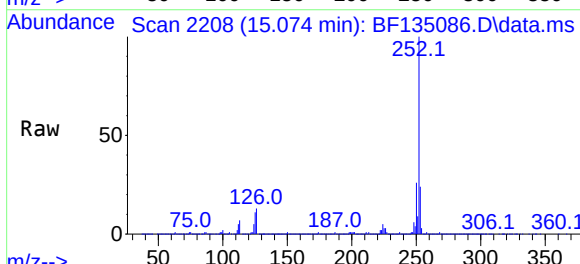
Manual Integrations
APPROVED

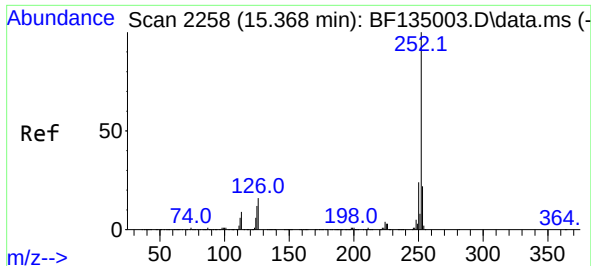
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#89
Benzo(k)fluoranthene
Concen: 274.471 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.041 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Tgt Ion:252 Resp: 2309549
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 10.6 8.5 12.7





#90
Benzo(a)pyrene
Concen: 537.482 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

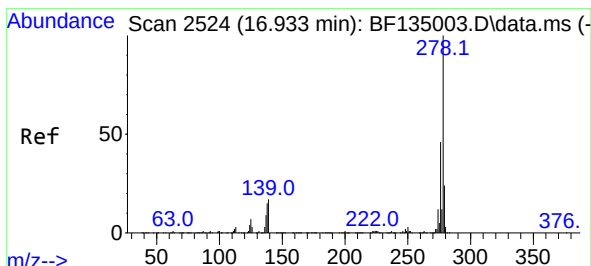
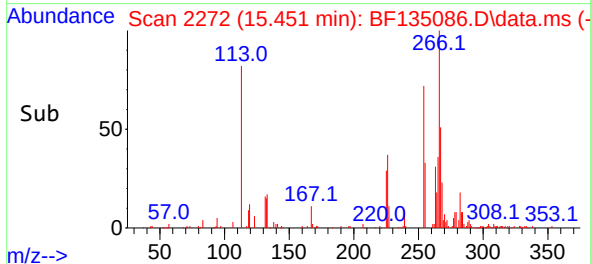
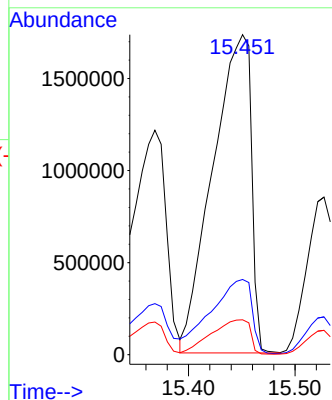
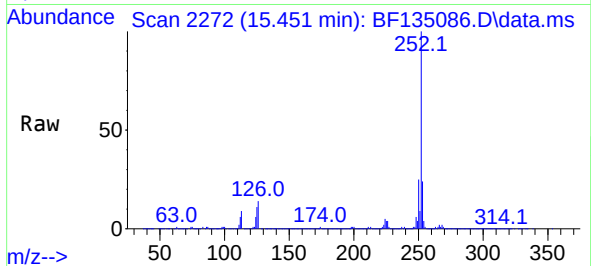
SB-07(14-15)

Tgt Ion:252 Resp: 434887
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 10.9 9.5 14.3

Manual Integrations

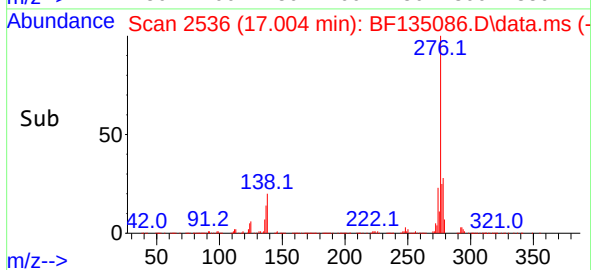
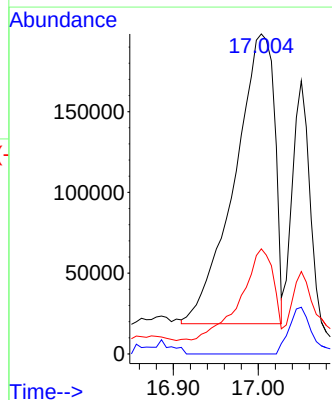
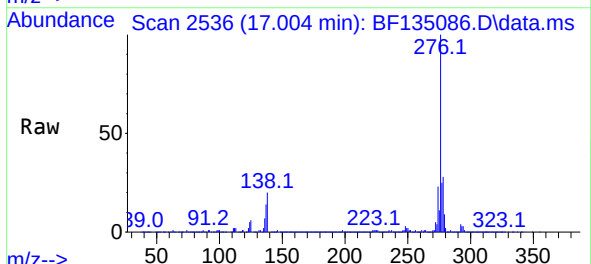
APPROVED

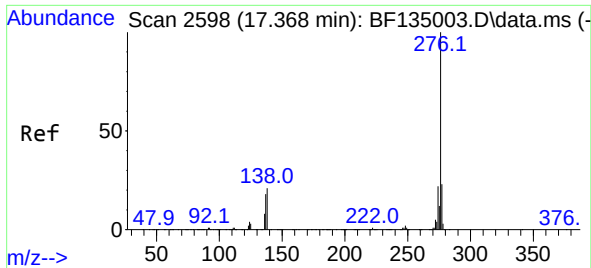
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#91
Dibenzo(a,h)anthracene
Concen: 77.074 ng m
RT: 17.004 min Scan# 2536
Delta R.T. 0.071 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

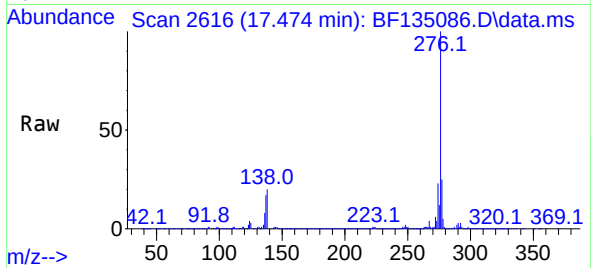
Tgt Ion:278 Resp: 588577
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.2#
279 32.8 19.5 29.3#





#92
Benzo(g,h,i)perylene
Concen: 319.849 ng
RT: 17.474 min Scan# 20
Delta R.T. 0.106 min
Lab File: BF135086.D
Acq: 01 Sep 2023 20:21

Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)



Tgt Ion:276 Resp: 2540380
Ion Ratio Lower Upper
276 100
277 25.2 18.5 27.7
138 20.2 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

