

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135221.D
 Acq On : 13 Sep 2023 13:00
 Operator : CG\JU
 Sample : 04274-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2683

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 01:32:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	201982	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	660506	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	252055	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	450173	20.000	ng	0.00
76) Chrysene-d12	13.951	240	370056	20.000	ng	0.00
86) Perylene-d12	15.421	264	303565	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	632657	50.944	ng	0.01
7) Phenol-d6	6.410	99	737603	46.710	ng	0.00
23) Nitrobenzene-d5	7.328	82	434535	35.742	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	122104	48.748	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	561534	33.612	ng	0.00
79) Terphenyl-d14	12.892	244	523643	21.936	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.069	128	389248	12.129	ng	99
37) 2-Methylnaphthalene	8.757	142	55439	2.570	ng	98
38) 1-Methylnaphthalene	8.857	142	41655	2.062	ng	98
71) Phenanthrene	11.316	178	62700	2.945	ng	# 96
75) Fluoranthene	12.515	202	134429	6.059	ng	97
78) Pyrene	12.745	202	148877	4.226	ng	98
81) Benzo(a)anthracene	13.939	228	76425	3.198	ng	92
83) Chrysene	13.980	228	71170m	2.996	ng	
88) Benzo(b)fluoranthene	14.992	252	74903m	4.558	ng	
90) Benzo(a)pyrene	15.356	252	52454	3.347	ng	# 89
92) Benzo(g,h,i)perylene	17.345	276	36465	2.144	ng	97

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

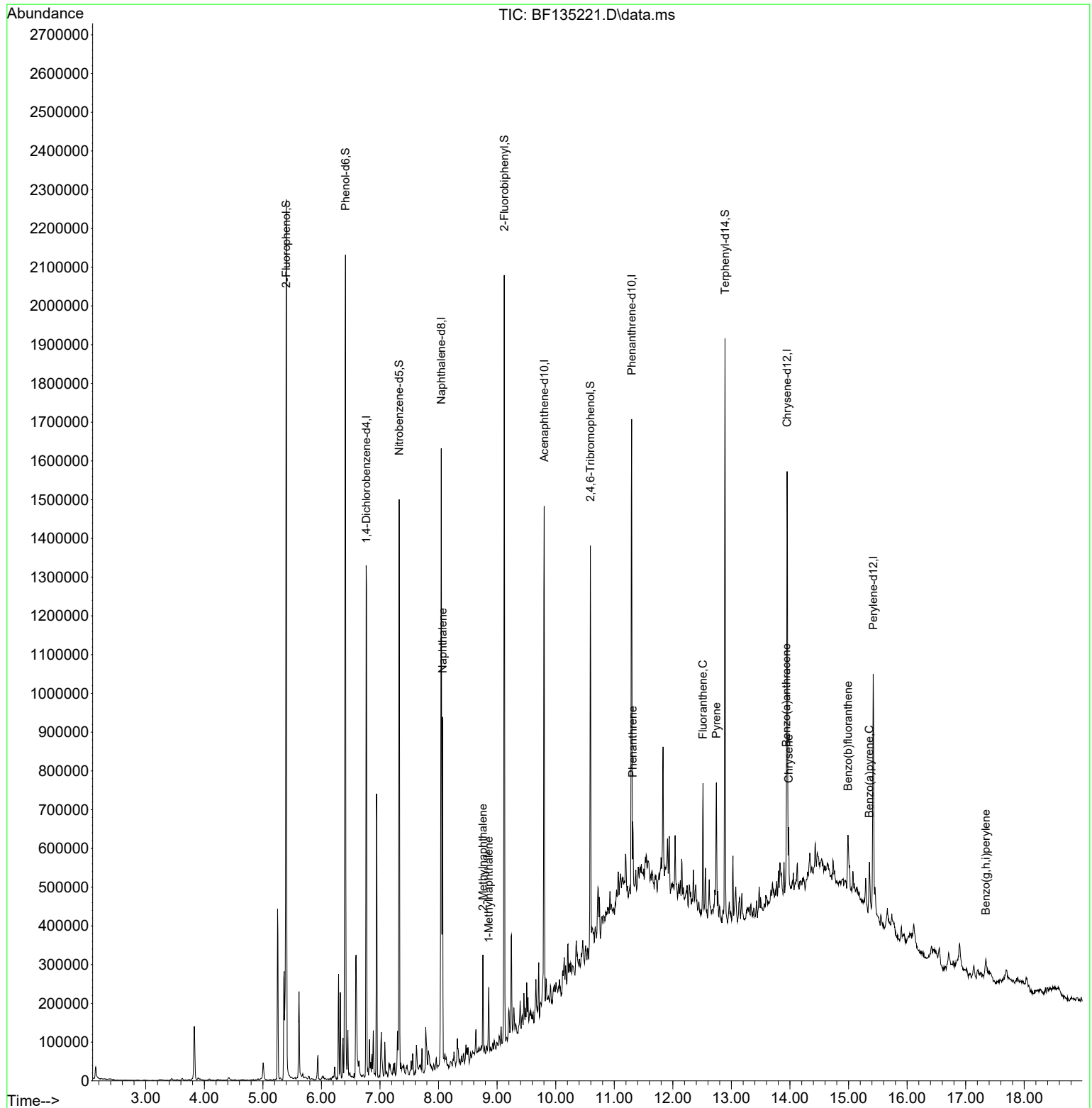
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135221.D
Acq On : 13 Sep 2023 13:00
Operator : CG\JU
Sample : 04274-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

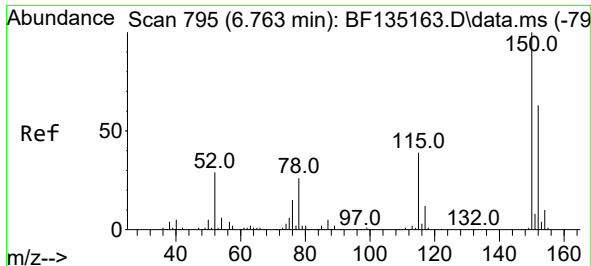
Instrument :
BNA_F
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RT2683

Quant Time: Sep 14 01:32:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

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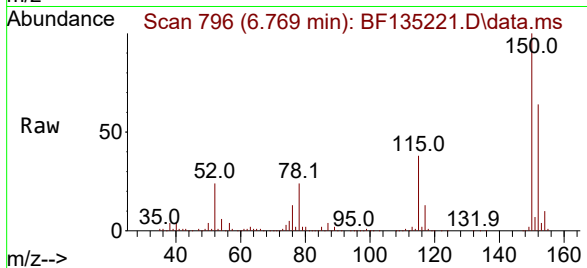
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

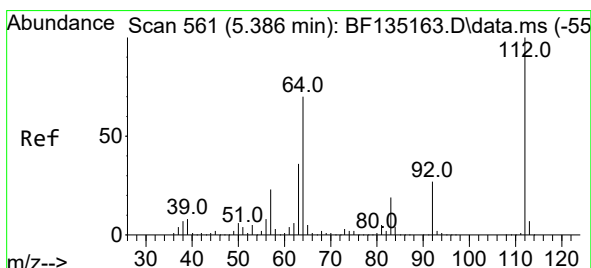
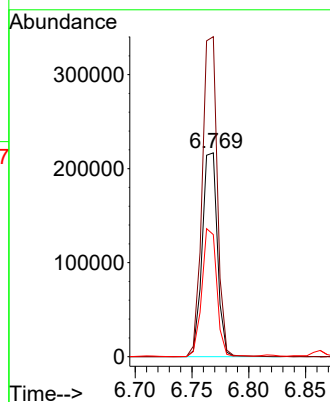
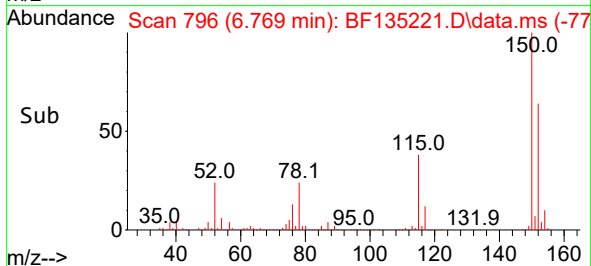
Instrument :
BNA_F
ClientSampleId :
RT2683



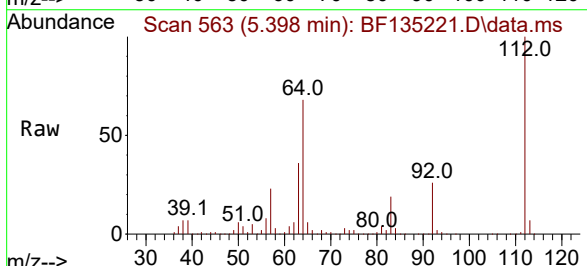
Tgt Ion:152 Resp: 20198
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 59.9 49.8 74.8

Manual Integrations
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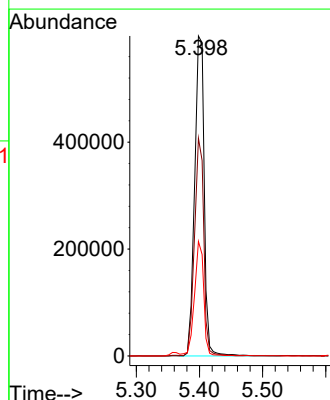
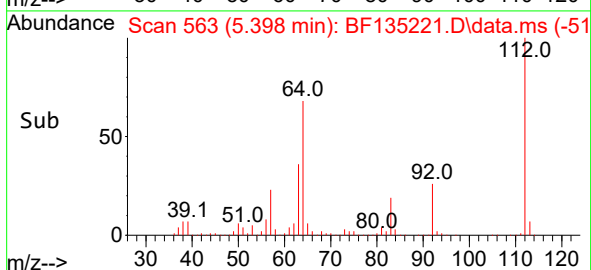
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

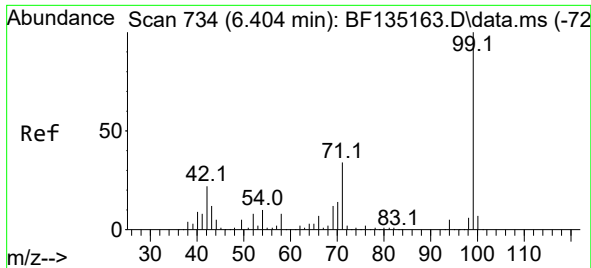


#5
2-Fluorophenol
Concen: 50.944 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00



Tgt Ion:112 Resp: 632657
Ion Ratio Lower Upper
112 100
64 68.0 55.9 83.9
63 35.8 29.0 43.6





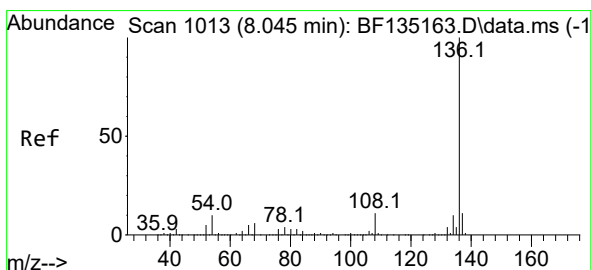
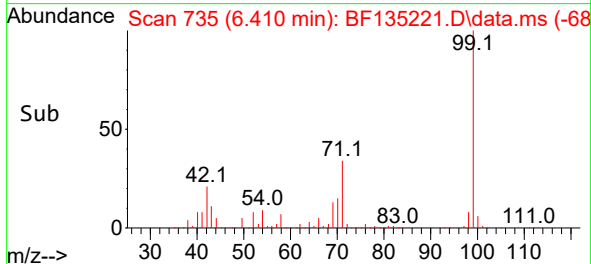
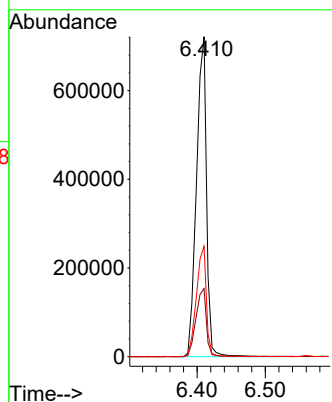
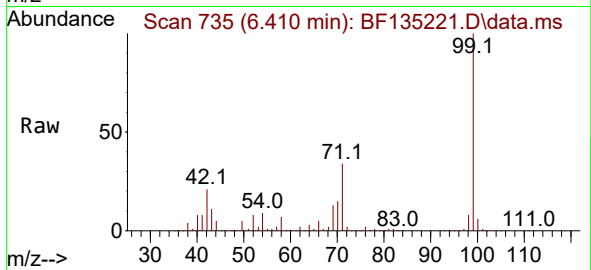
#7
Phenol-d6
Concen: 46.710 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Instrument :
BNA_F
ClientSampleId :
RT2683

Tgt Ion: 99 Resp: 73760
Ion Ratio Lower Upper
99 100
42 21.3 17.9 26.9
71 34.5 27.0 40.6

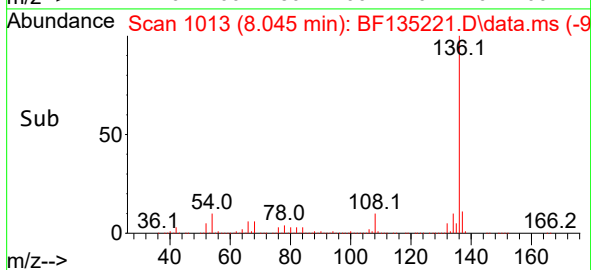
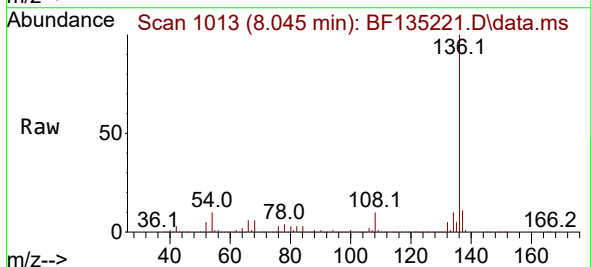
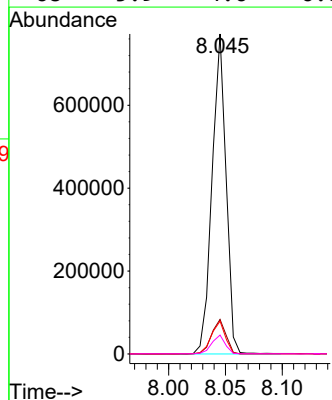
Manual Integrations
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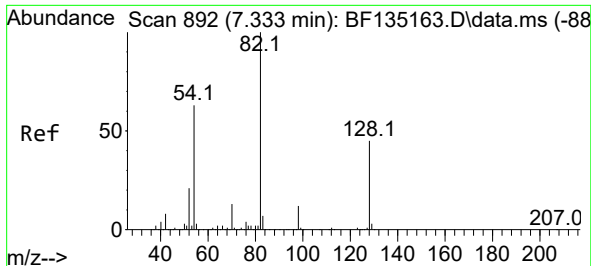
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Tgt Ion:136 Resp: 660506
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 35.742 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RT2683

Tgt Ion: 82 Resp: 43453

Ion Ratio Lower Upper

82 100

128 43.4 35.8 53.6

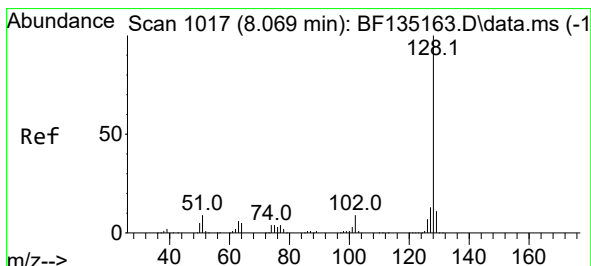
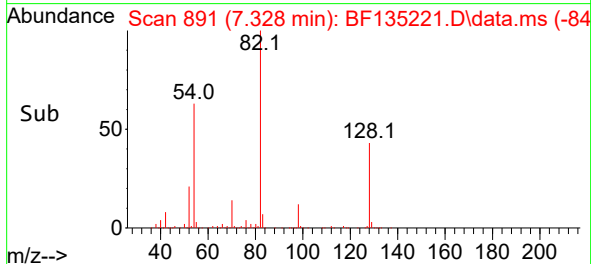
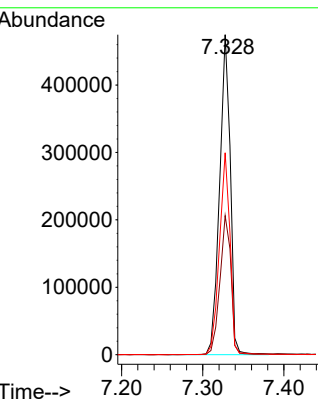
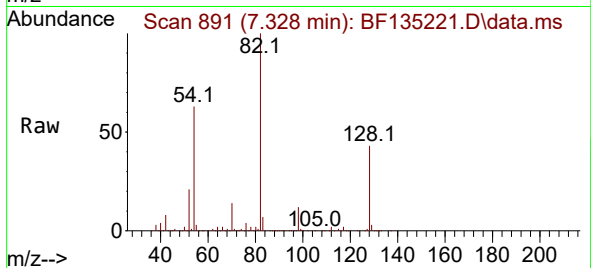
54 63.1 50.6 76.0

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Reviewed By :Yogesh Patel 09/14/2023

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#31

Naphthalene

Concen: 12.129 ng

RT: 8.069 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

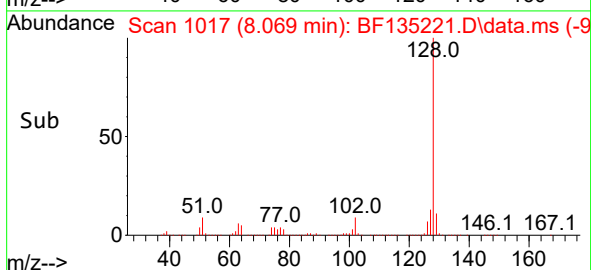
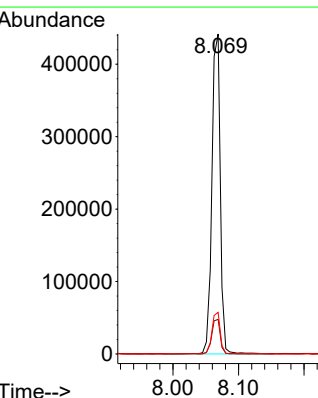
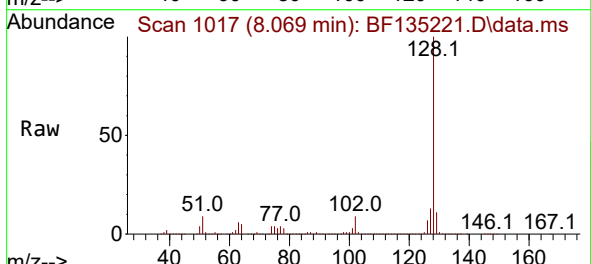
Tgt Ion:128 Resp: 389248

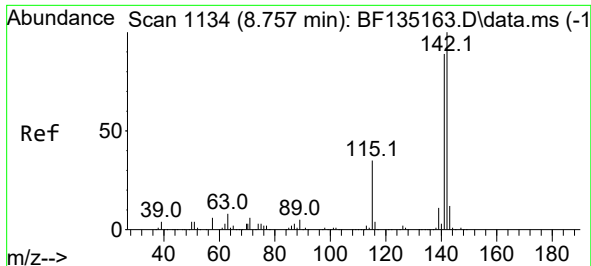
Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

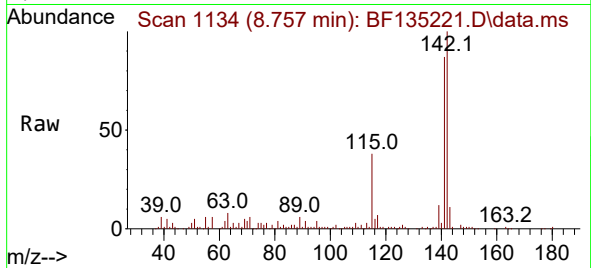
127 13.0 10.7 16.1





#37
2-Methylnaphthalene
Concen: 2.570 ng
RT: 8.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

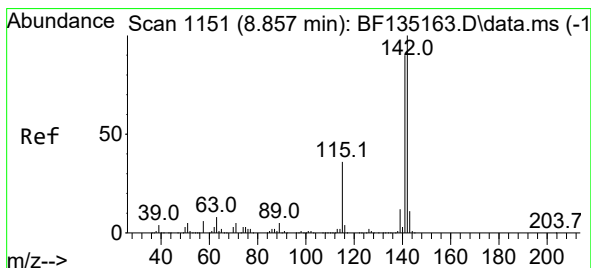
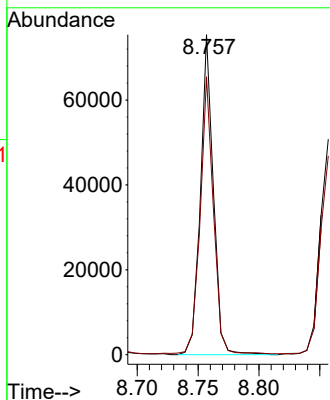
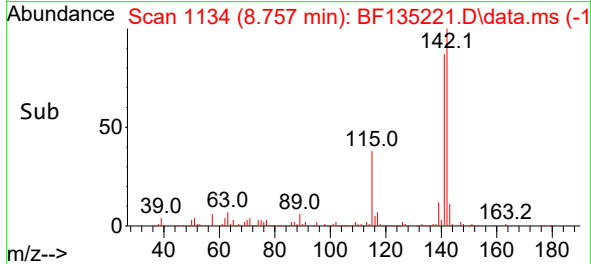
Instrument :
BNA_F
ClientSampleId :
RT2683



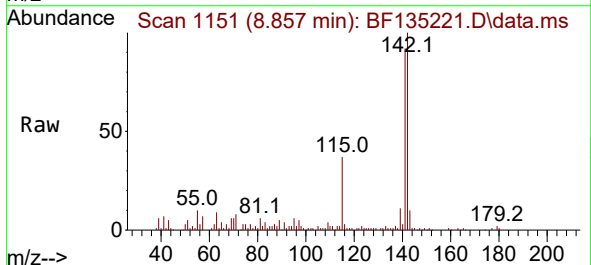
Tgt Ion:142 Resp: 55439
Ion Ratio Lower Upper
142 100
141 86.9 71.0 106.6

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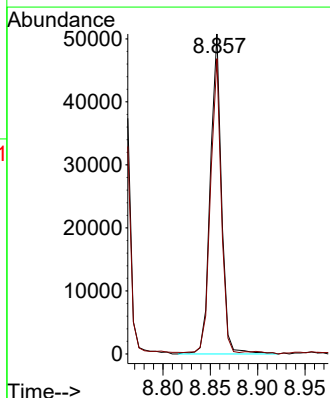
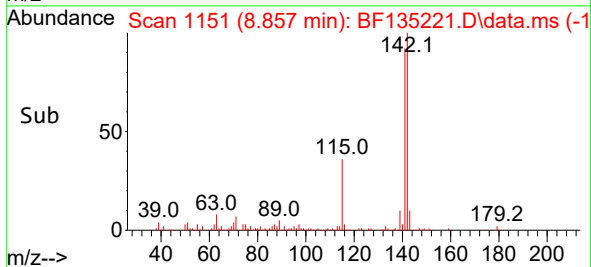
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

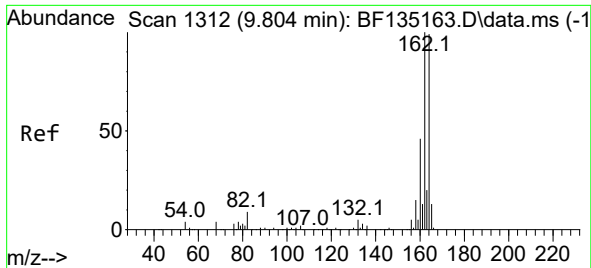


#38
1-Methylnaphthalene
Concen: 2.062 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00



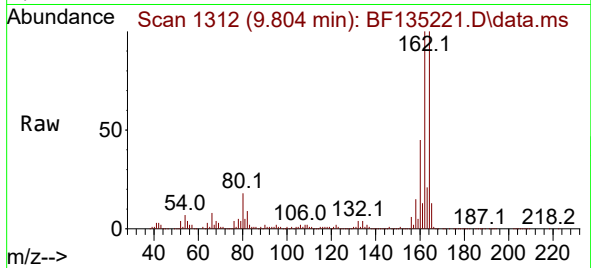
Tgt Ion:142 Resp: 41655
Ion Ratio Lower Upper
142 100
141 92.3 72.4 108.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

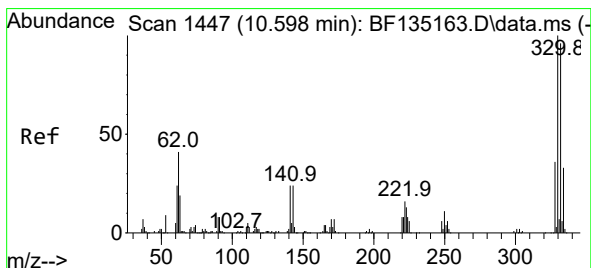
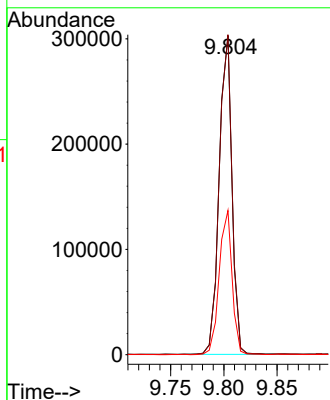
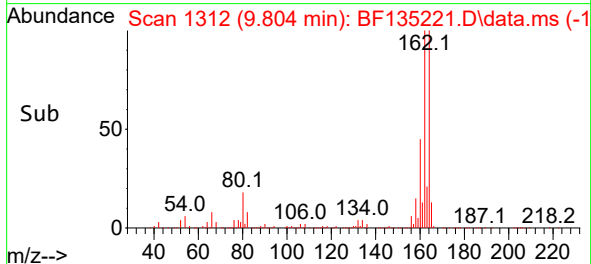
Instrument :
BNA_F
ClientSampleId :
RT2683



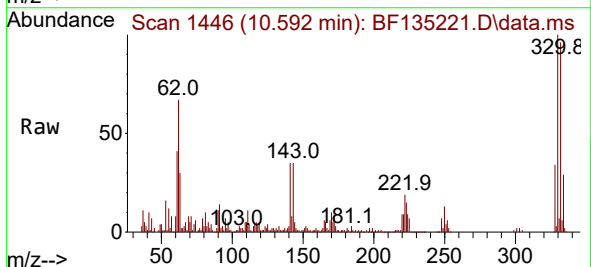
Tgt Ion:164 Resp: 25205
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 45.2 37.0 55.4

Manual Integrations
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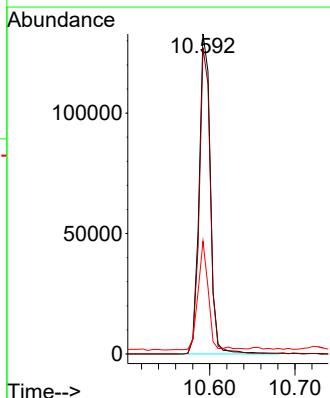
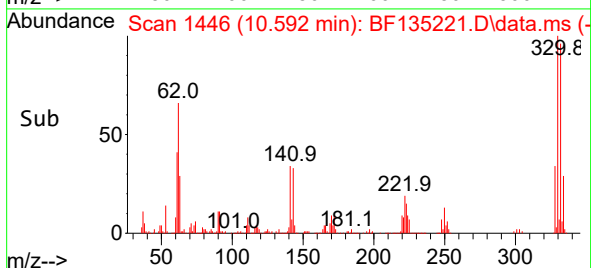
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

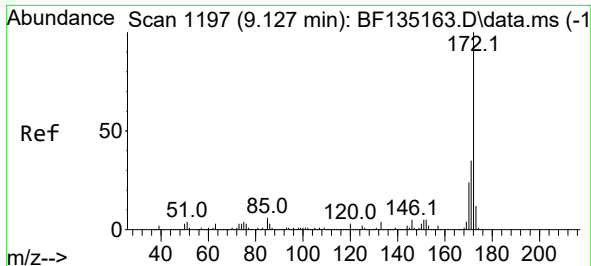


#42
2,4,6-Tribromophenol
Concen: 48.748 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00



Tgt Ion:330 Resp: 122104
Ion Ratio Lower Upper
330 100
332 94.3 77.3 115.9
141 30.5 25.8 38.8





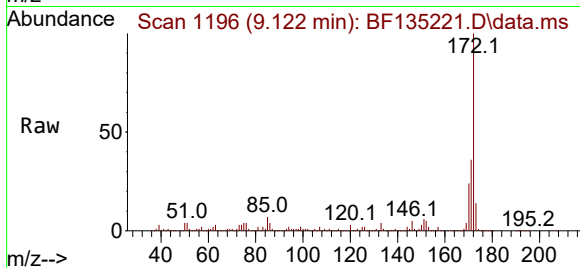
#45
2-Fluorobiphenyl
Concen: 33.612 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RT2683



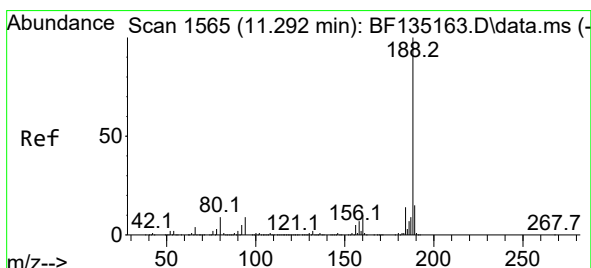
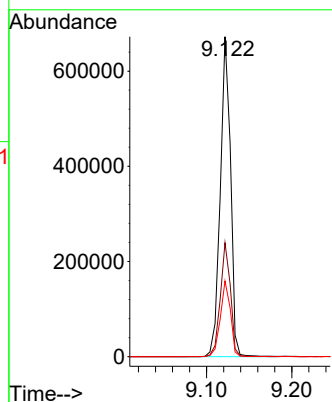
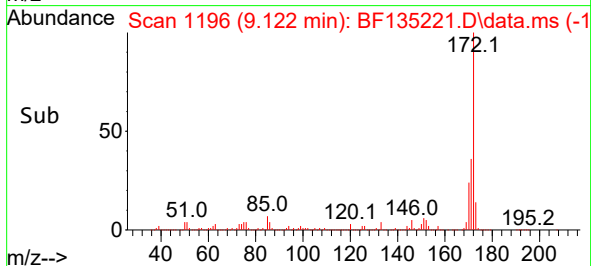
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Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.6 19.0 28.4

Manual Integrations

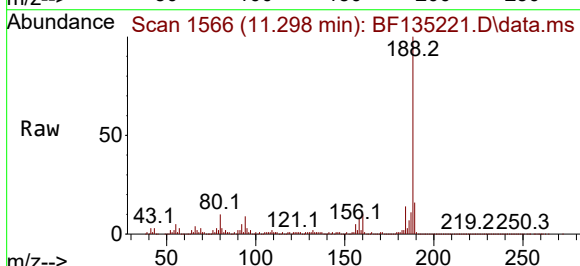
APPROVED

Reviewed By :Yogesh Patel 09/14/2023

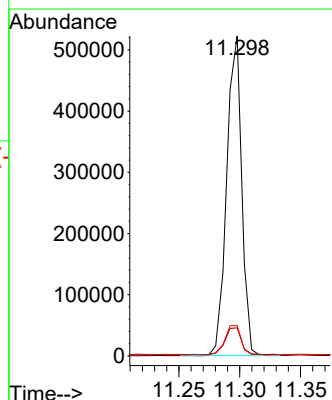
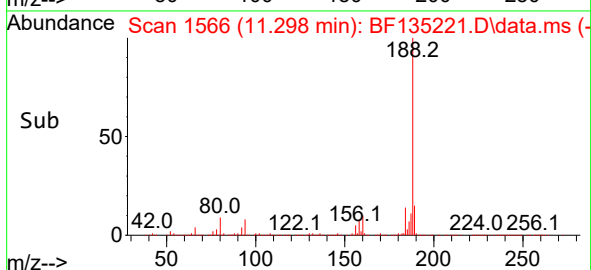
Supervised By :mohammad ahmed 09/14/2023

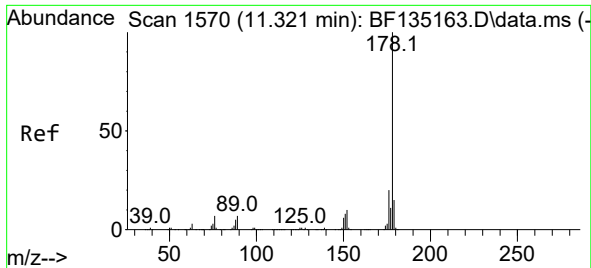


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00



Tgt Ion:188 Resp: 450173
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.5 7.5 11.3





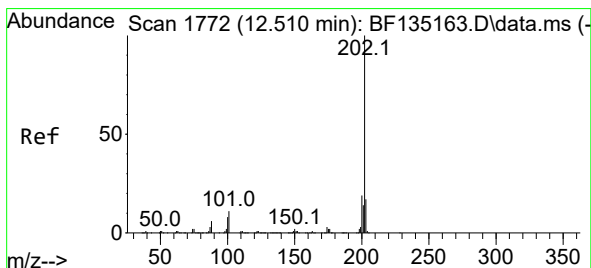
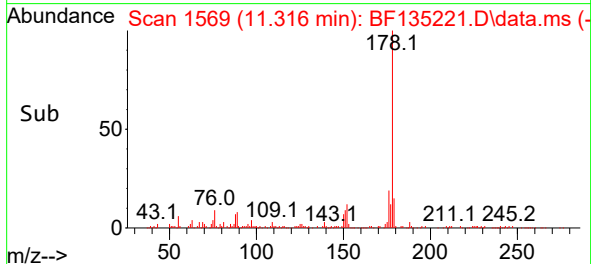
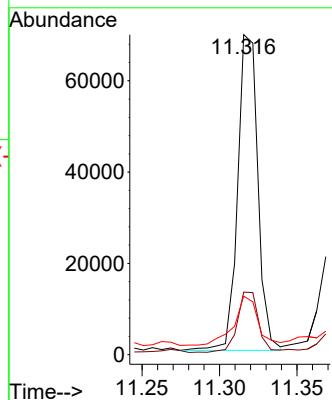
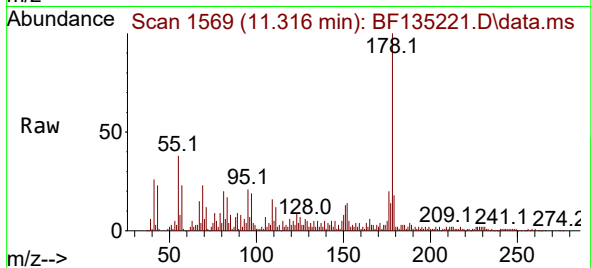
#71
Phenanthrene
Concen: 2.945 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Instrument :
BNA_F
ClientSampleId :
RT2683

Tgt Ion:178 Resp: 62700
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 18.3 12.0 18.0

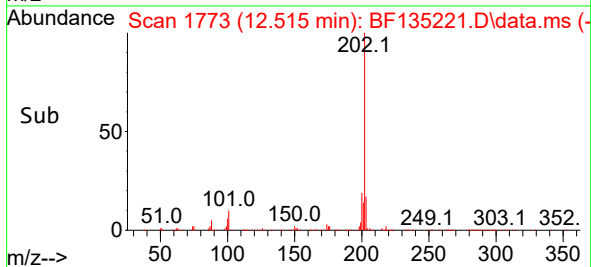
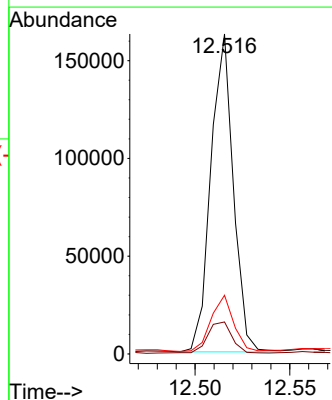
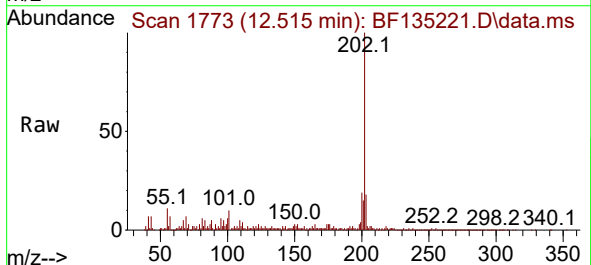
Manual Integrations
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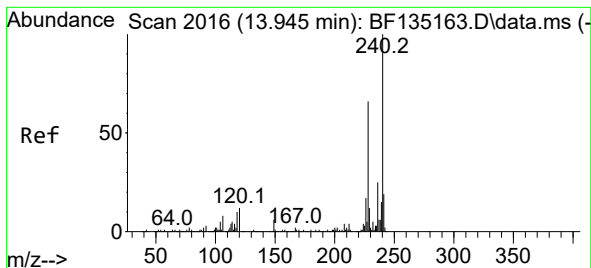
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#75
Fluoranthene
Concen: 6.059 ng
RT: 12.515 min Scan# 1773
Delta R.T. 0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Tgt Ion:202 Resp: 134429
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.3
203 18.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

Instrument :

BNA_F

ClientSampleId :

RT2683

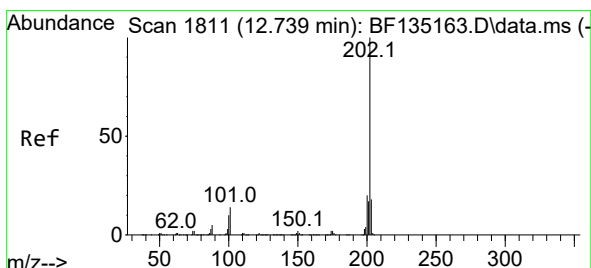
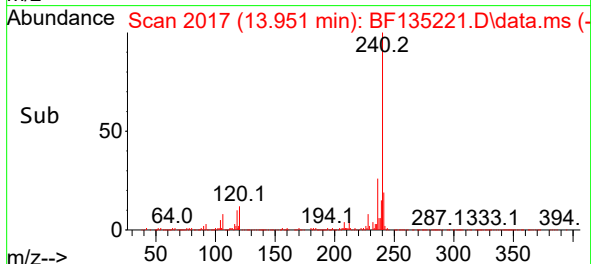
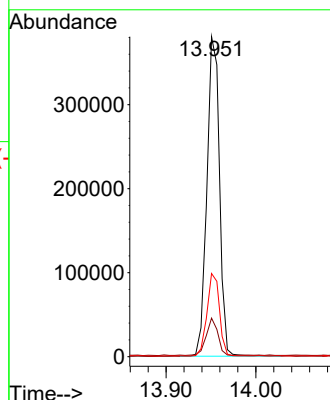
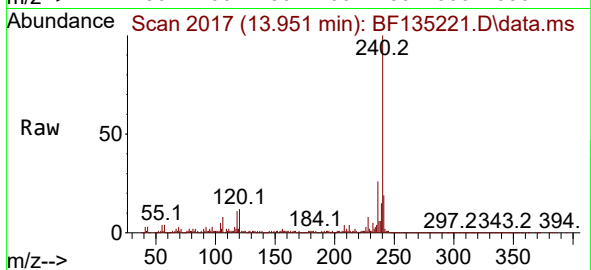
Tgt Ion:240 Resp: 370050
 Ion Ratio Lower Upper
 240 100
 120 12.1 9.4 14.2
 236 26.0 19.8 29.8

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#78

Pyrene

Concen: 4.226 ng

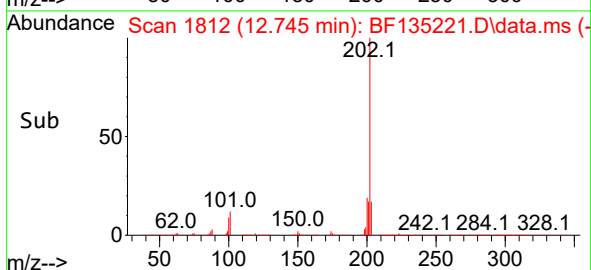
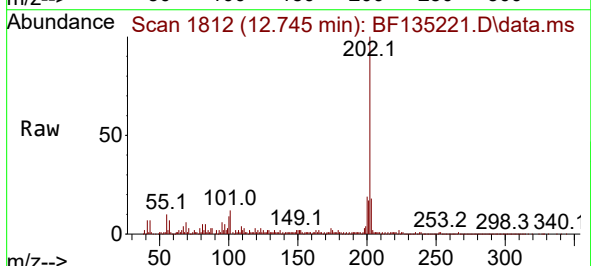
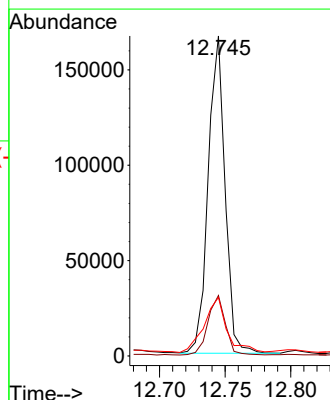
RT: 12.745 min Scan# 1812

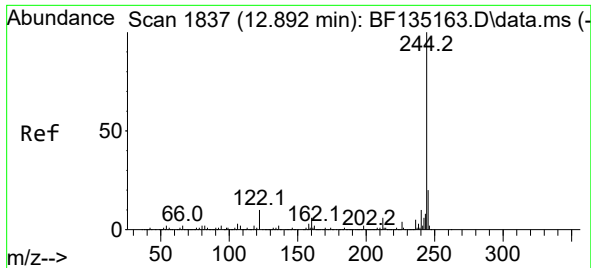
Delta R.T. 0.006 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

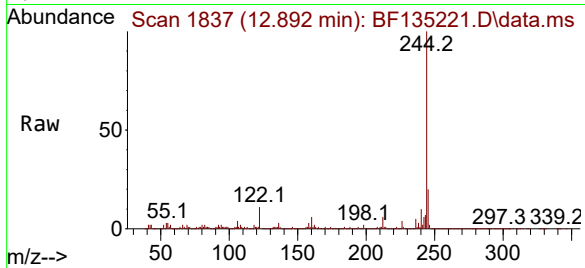
Tgt Ion:202 Resp: 148877
 Ion Ratio Lower Upper
 202 100
 200 18.9 16.2 24.2
 203 18.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 21.936 ng
 RT: 12.892 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF135221.D
 Acq: 13 Sep 2023 13:00

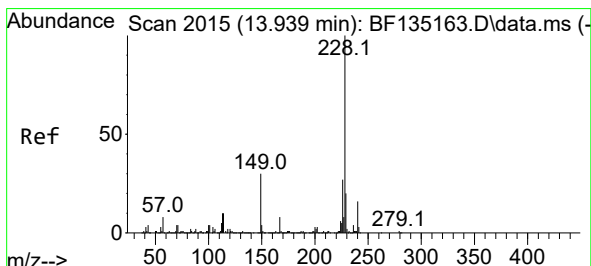
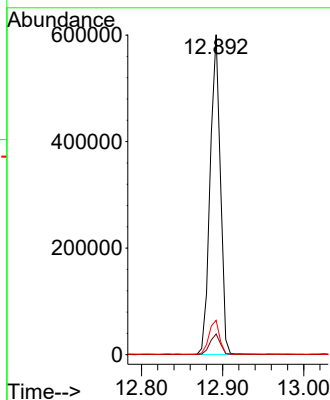
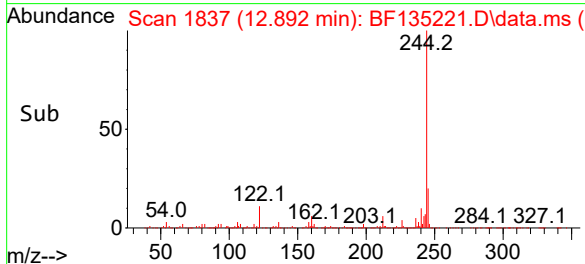
Instrument :
 BNA_F
 ClientSampleId :
 RT2683



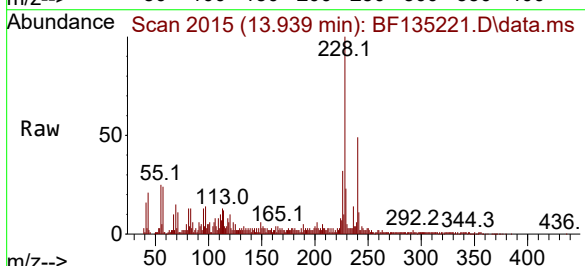
Tgt Ion:244 Resp: 52364
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 10.7 7.9 11.9

Manual Integrations
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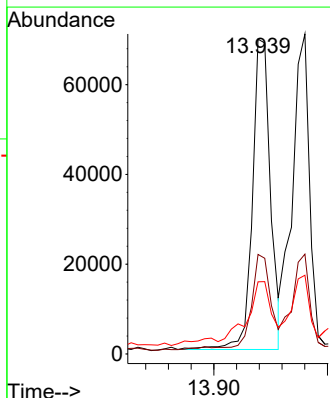
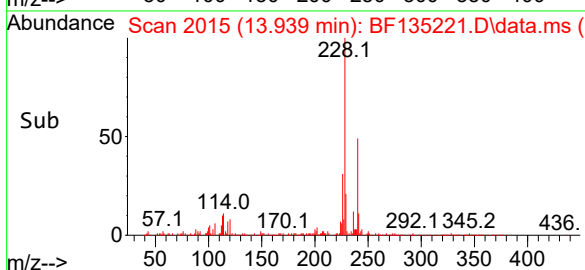
Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

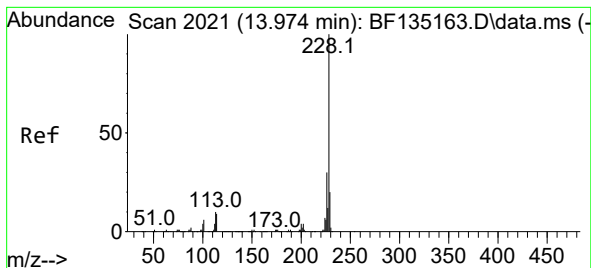


#81
 Benzo(a)anthracene
 Concen: 3.198 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF135221.D
 Acq: 13 Sep 2023 13:00



Tgt Ion:228 Resp: 76425
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.7 32.5
 229 22.9 15.8 23.8





#83

Chrysene

Concen: 2.996 ng m

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

Instrument :

BNF

ClientSampleId :

RT2683

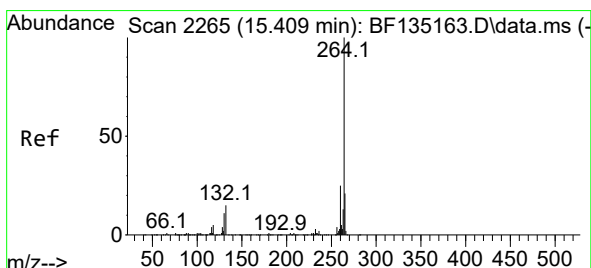
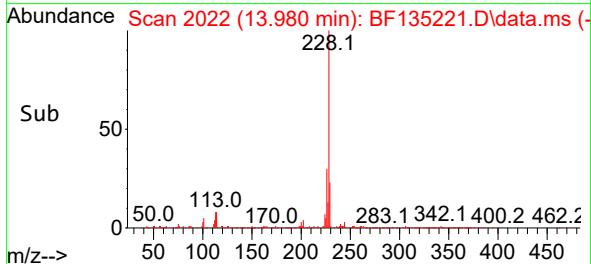
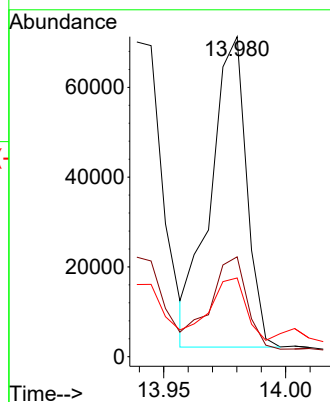
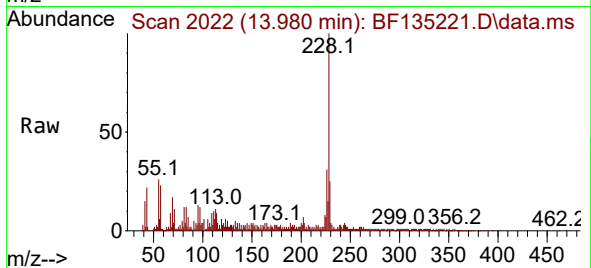
Tgt Ion:	228	Resp:	71170
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.3	36.5
229	24.6	16.0	24.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#86

Perylene-d12

Concen: 20.000 ng

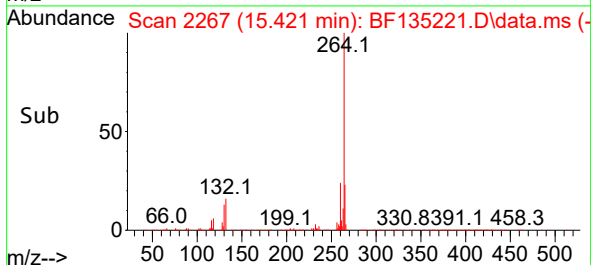
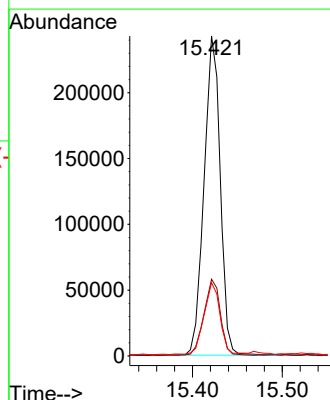
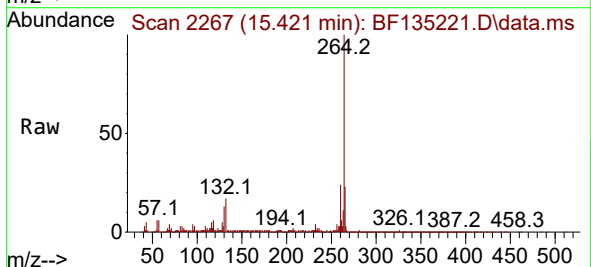
RT: 15.421 min Scan# 2267

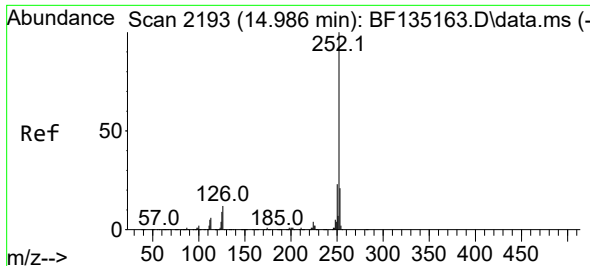
Delta R.T. 0.012 min

Lab File: BF135221.D

Acq: 13 Sep 2023 13:00

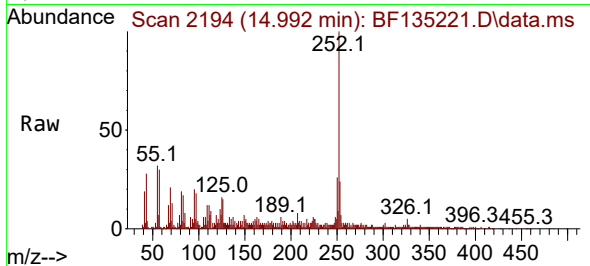
Tgt Ion:	264	Resp:	303565
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.8	29.6
265	22.9	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 4.558 ng m
RT: 14.992 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

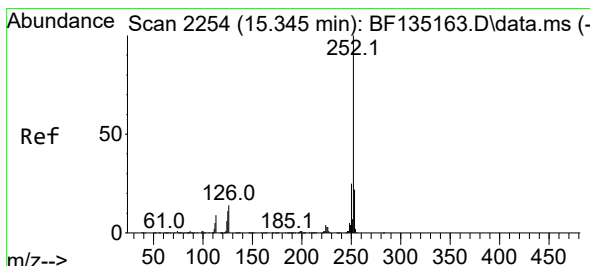
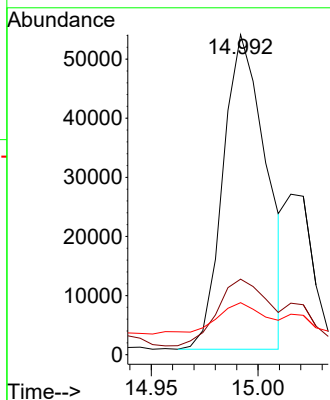
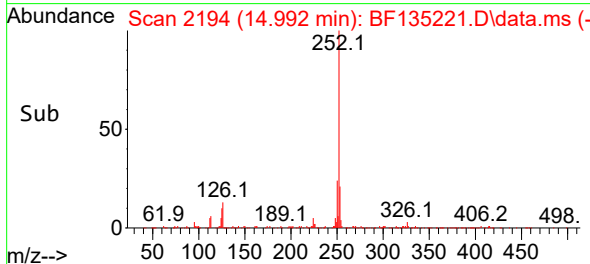
Instrument :
BNA_F
ClientSampleId :
RT2683



Tgt Ion:252 Resp: 7490
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 16.3 7.1 10.7

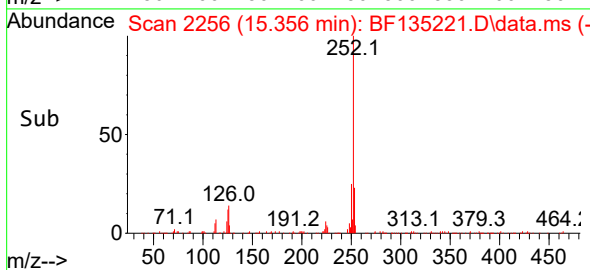
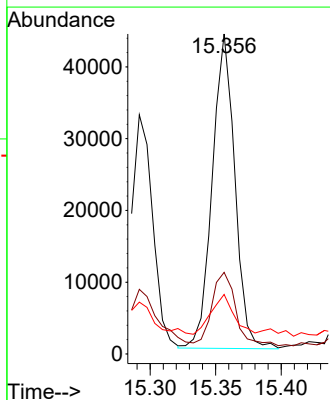
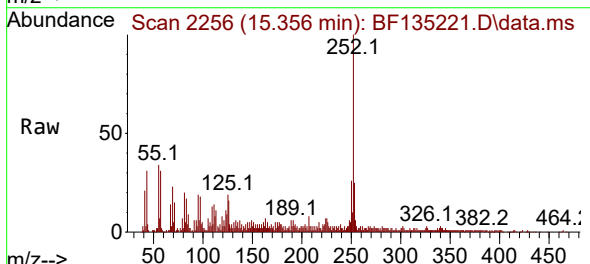
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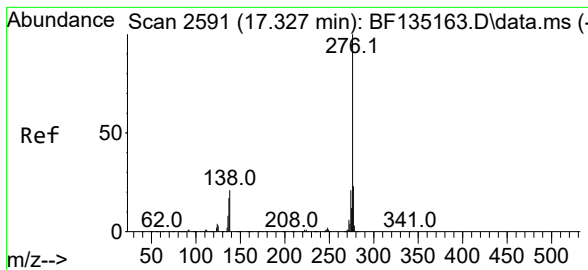
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#90
Benzo(a)pyrene
Concen: 3.347 ng
RT: 15.356 min Scan# 2256
Delta R.T. 0.012 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

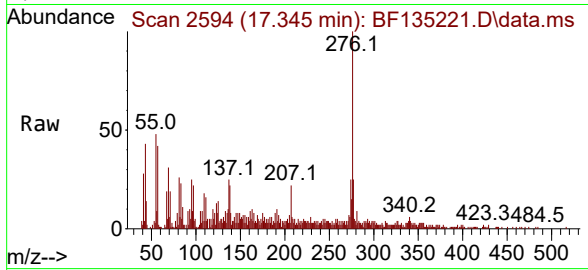
Tgt Ion:252 Resp: 52454
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 18.6 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 2.144 ng
RT: 17.345 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135221.D
Acq: 13 Sep 2023 13:00

Instrument :
BNA_F
ClientSampleId :
RT2683



Tgt Ion: 276 Resp: 3646
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 22.0 16.9 25.3

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Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

