

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135096.D
 Acq On : 05 Sep 2023 15:32
 Operator : CG\JU
 Sample : 04110-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-27(0-1)

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 01:52:51 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	91743	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	367824	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	167955	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	249808	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	176583	20.000	ng	0.00
86) Perylene-d12	15.421	264	210651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	468532	78.884	ng	0.00
7) Phenol-d6	6.410	99	582936	78.741	ng	0.00
23) Nitrobenzene-d5	7.334	82	376211	57.462	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	121010	67.920	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	621227	60.220	ng	-0.01
79) Terphenyl-d14	12.898	244	429685	39.710	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.069	128	38445	2.140	ng	100
37) 2-Methylnaphthalene	8.763	142	27447	2.289	ng	100
38) 1-Methylnaphthalene	8.863	142	24070	2.146	ng	99
71) Phenanthrene	11.322	178	54991	4.267	ng	98
75) Fluoranthene	12.516	202	120863	9.276	ng	98
78) Pyrene	12.745	202	108451	6.469	ng	100
81) Benzo(a)anthracene	13.945	228	83599m	6.940	ng	
83) Chrysene	13.980	228	71747	6.061	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	49221	3.469	ng	99
88) Benzo(b)fluoranthene	14.998	252	147819m	11.278	ng	
89) Benzo(k)fluoranthene	15.021	252	35792m	2.827	ng	
90) Benzo(a)pyrene	15.357	252	79494	6.529	ng	97
92) Benzo(g,h,i)perylene	17.345	276	39778	3.328	ng	98

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

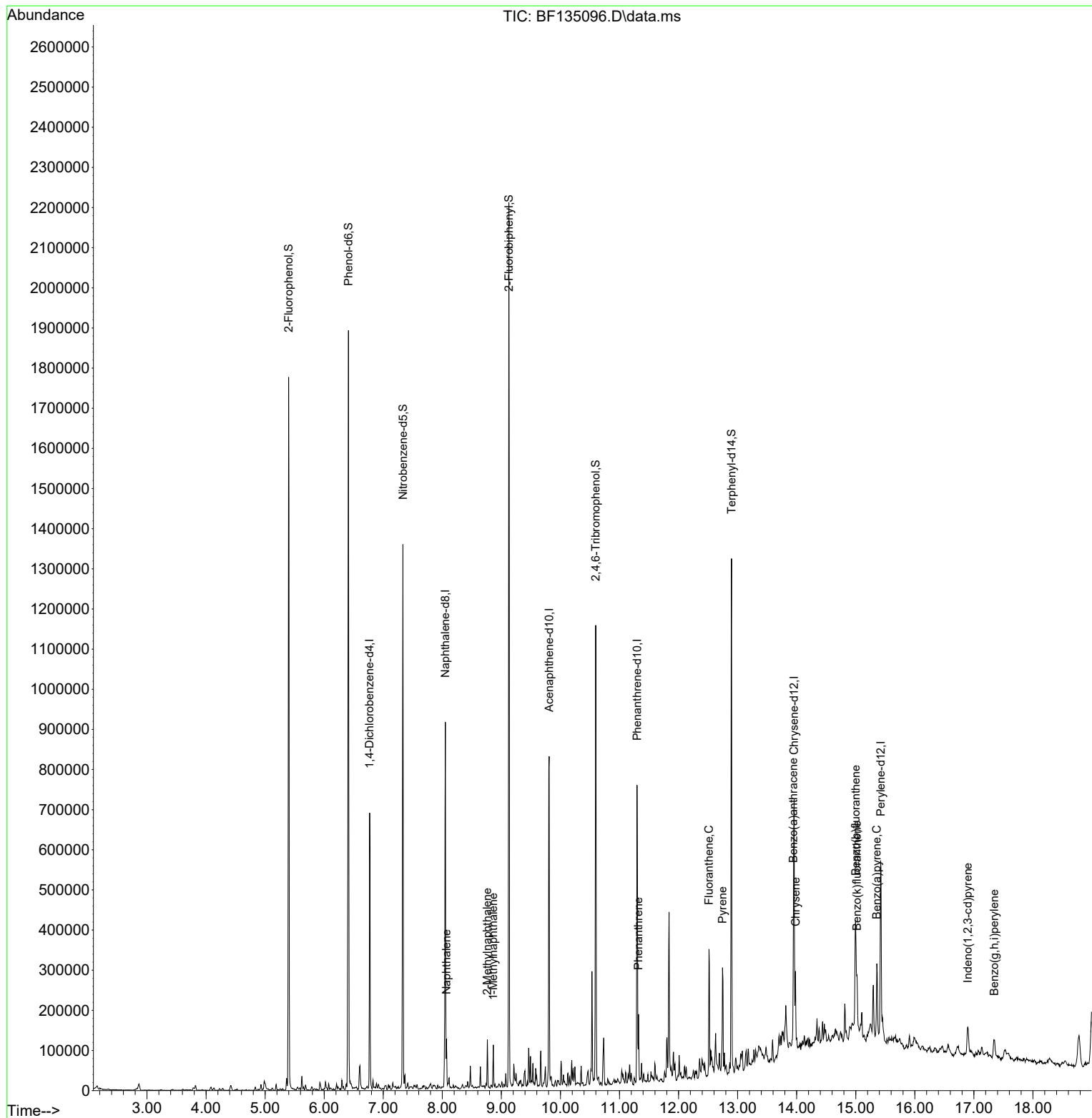
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135096.D
Acq On : 05 Sep 2023 15:32
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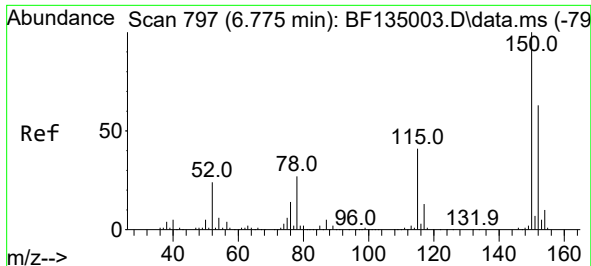
Instrument :
BNA_F
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SS-TP-27(0-1)

Quant Time: Sep 06 01:52:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

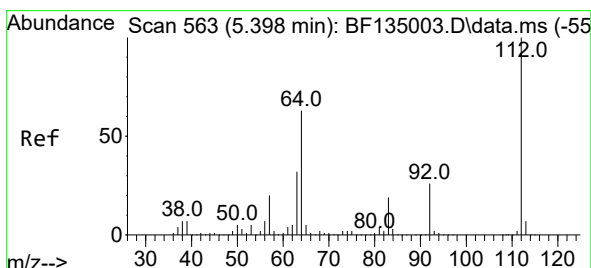
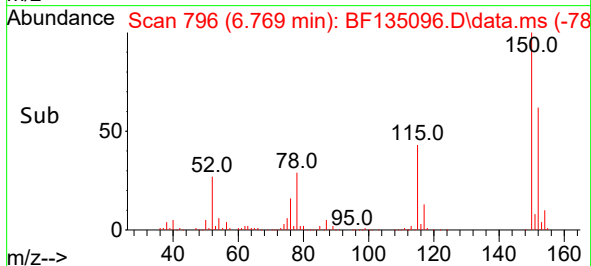
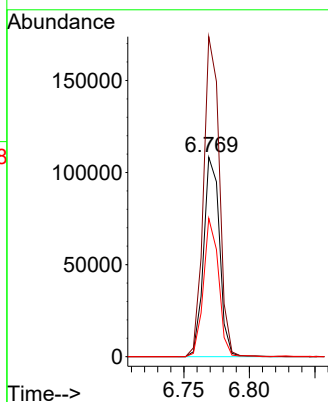
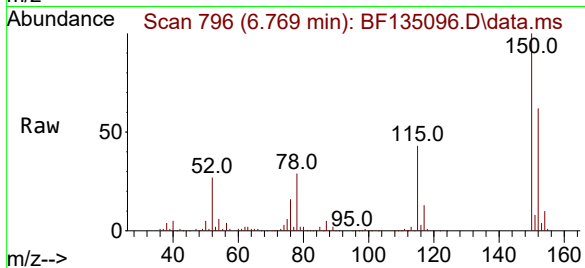
SS-TP-27(0-1)

Tgt Ion:152 Resp: 9174
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.4
115 69.4 51.2 76.8

Manual Integrations

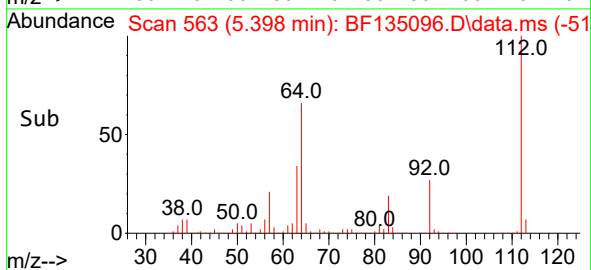
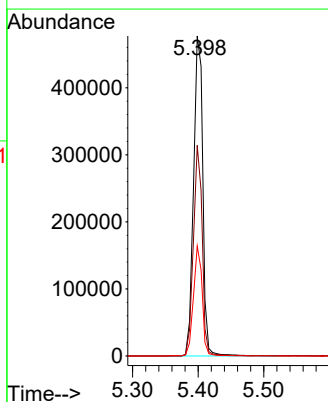
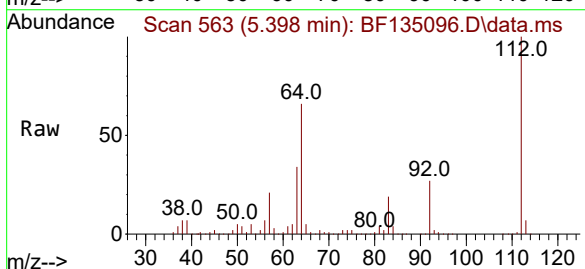
APPROVED

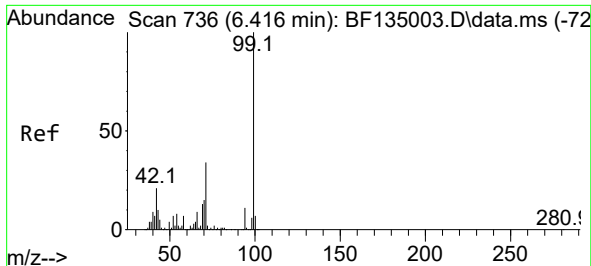
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#5
2-Fluorophenol
Concen: 78.884 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:112 Resp: 468532
Ion Ratio Lower Upper
112 100
64 65.8 50.5 75.7
63 34.3 25.9 38.9





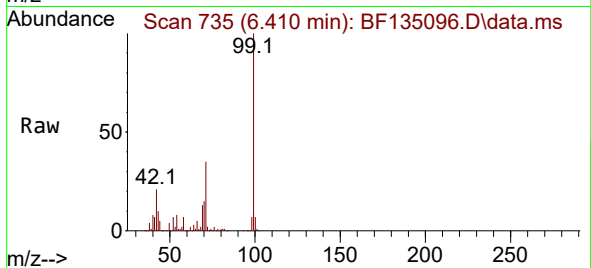
#7
Phenol-d6
Concen: 78.741 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

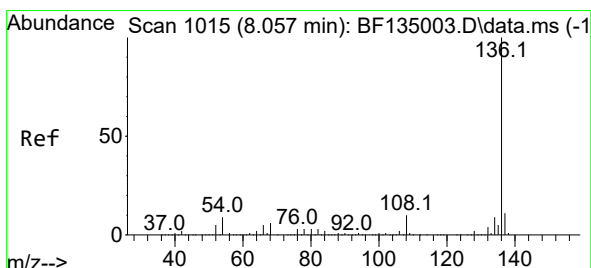
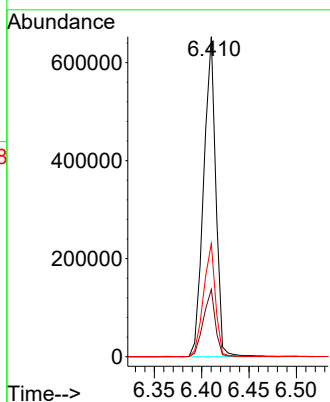
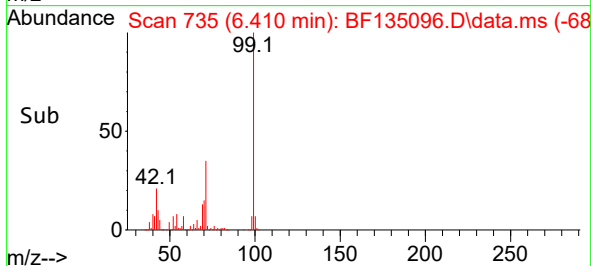


Tgt Ion: 99 Resp: 582930
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 35.3 27.0 40.6

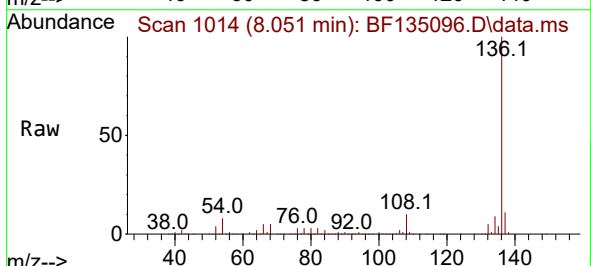
Manual Integrations

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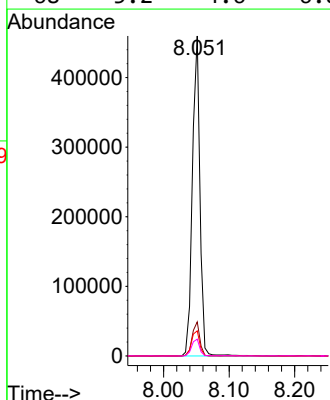
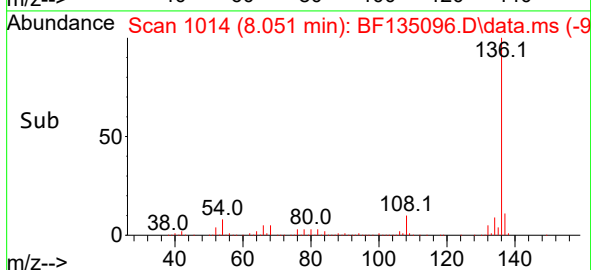
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

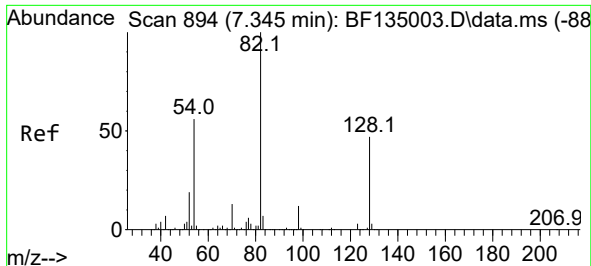


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32



Tgt Ion:136 Resp: 367824
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 7.0 10.4
68 5.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 57.462 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135096.D

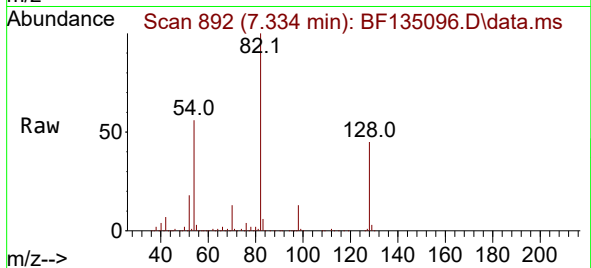
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

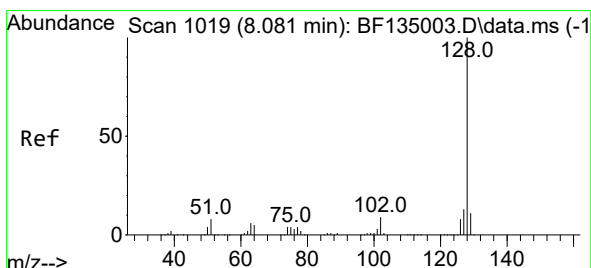
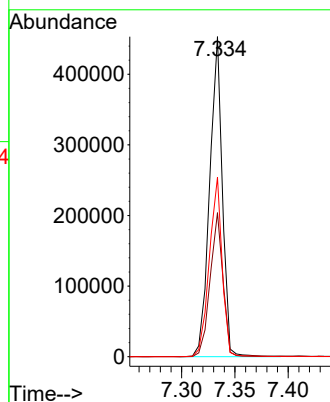
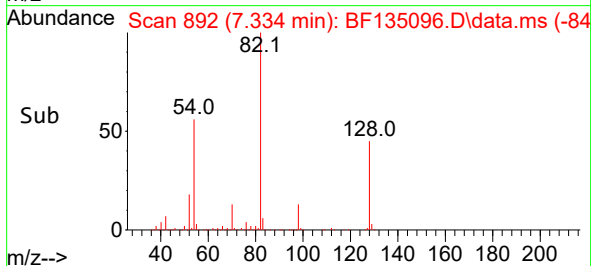


Tgt Ion: 82 Resp: 37621

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.8	56.8
54	56.1	45.0	67.6

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Supervised By :mohammad ahmed 09/07/2023



#31

Naphthalene

Concen: 2.140 ng

RT: 8.069 min Scan# 1017

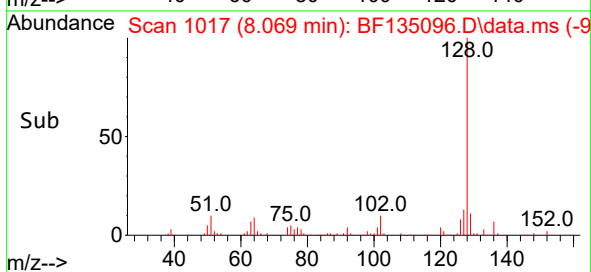
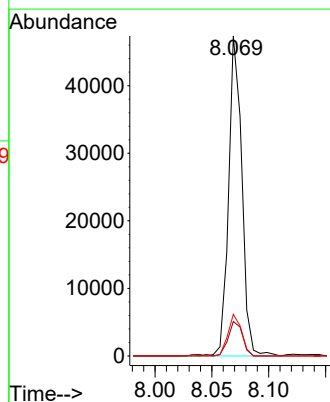
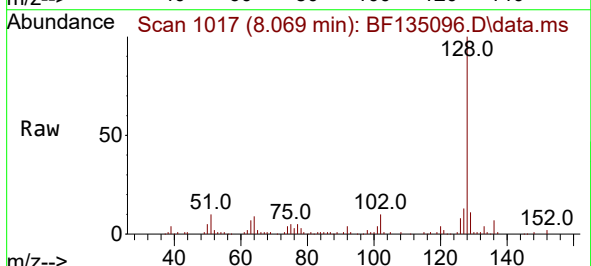
Delta R.T. -0.012 min

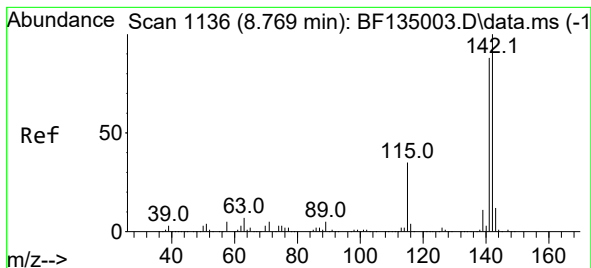
Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:128 Resp: 38445

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.6	16.0





#37

2-Methylnaphthalene

Concen: 2.289 ng

RT: 8.763 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

Tgt Ion:142 Resp: 2744

Ion Ratio Lower Upper

142 100

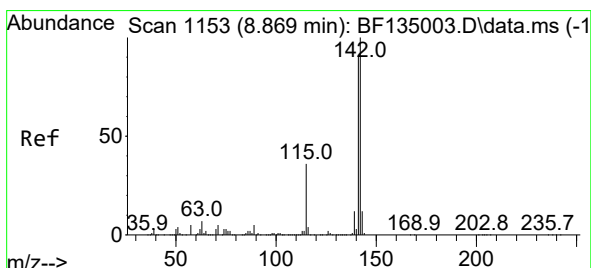
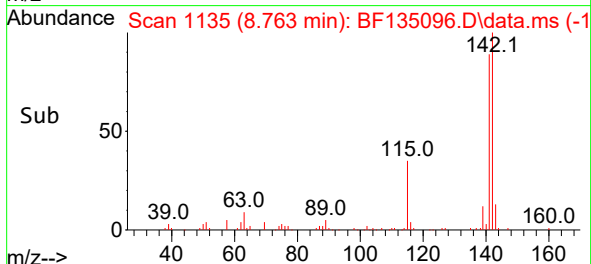
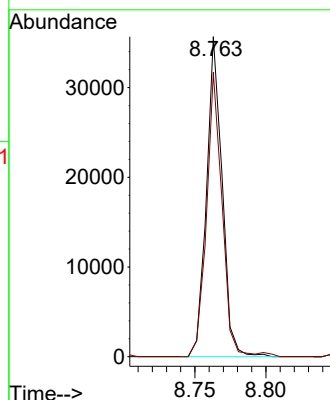
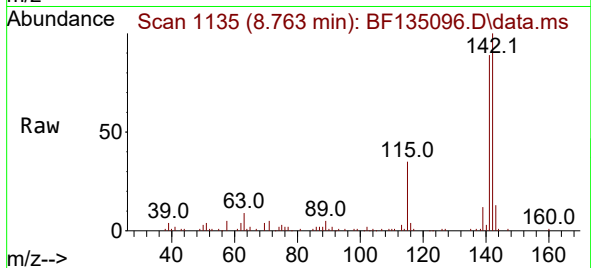
141 88.8 70.7 106.1

Manual Integrations

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Supervised By :mohammad ahmed 09/07/2023



#38

1-Methylnaphthalene

Concen: 2.146 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF135096.D

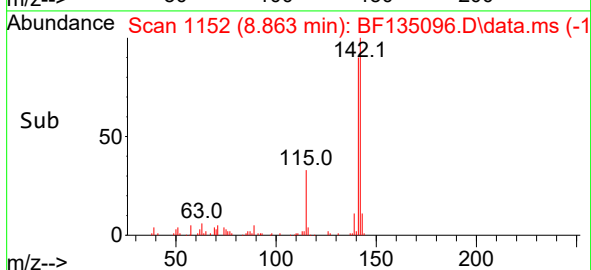
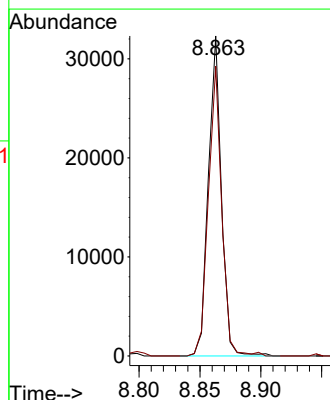
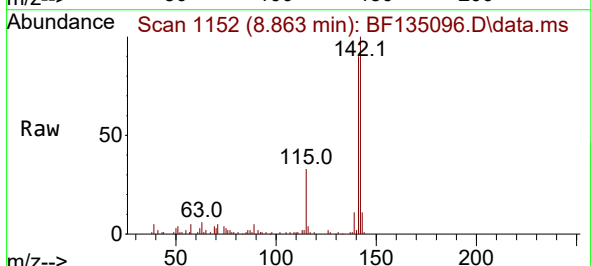
Acq: 05 Sep 2023 15:32

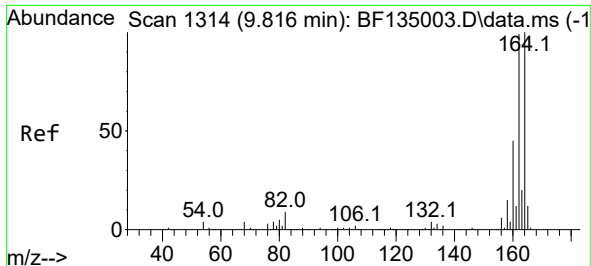
Tgt Ion:142 Resp: 24070

Ion Ratio Lower Upper

142 100

141 90.5 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: BF135096.D

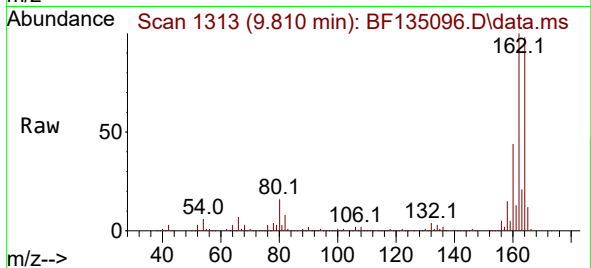
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)



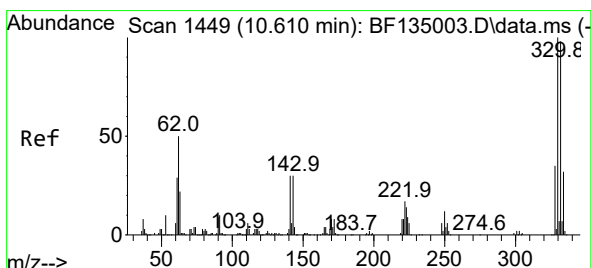
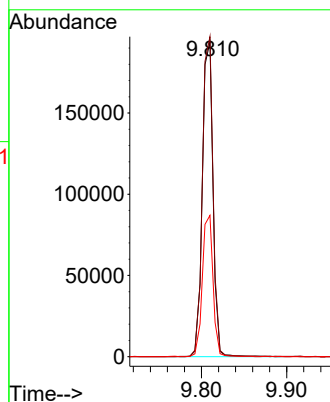
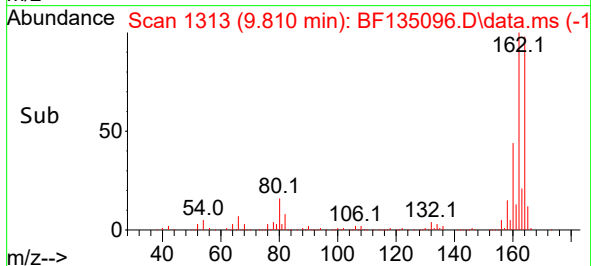
Tgt Ion:	164	Resp:	16795
Ion Ratio	Lower	Upper	
164	100		
162	101.7	79.5	119.3
160	44.9	36.0	54.0

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 67.920 ng

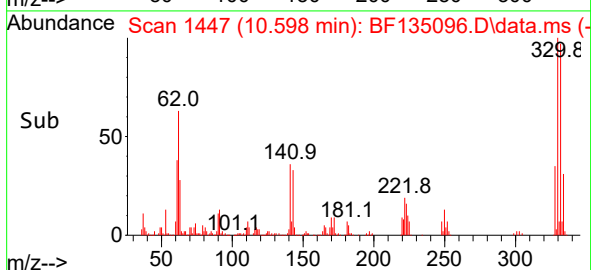
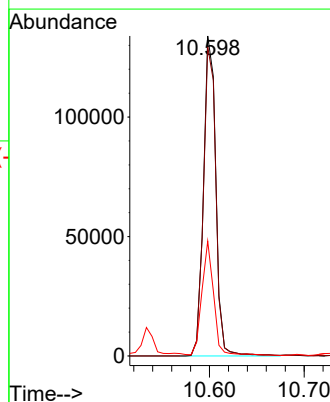
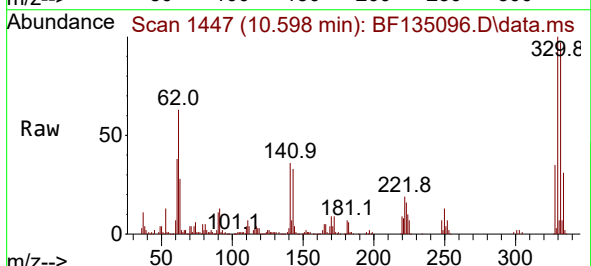
RT: 10.598 min Scan# 1447

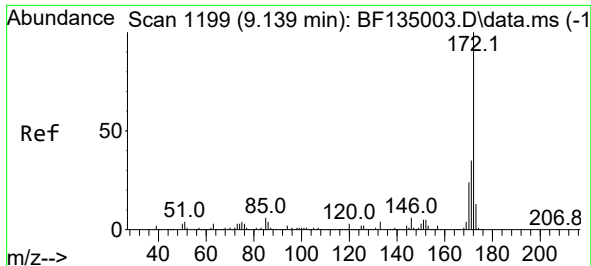
Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:	330	Resp:	121010
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.6	116.4
141	34.8	26.3	39.5





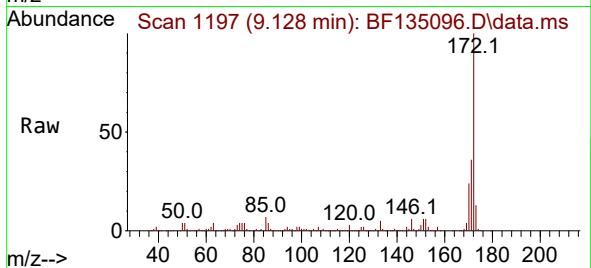
#45
2-Fluorobiphenyl
Concen: 60.220 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)



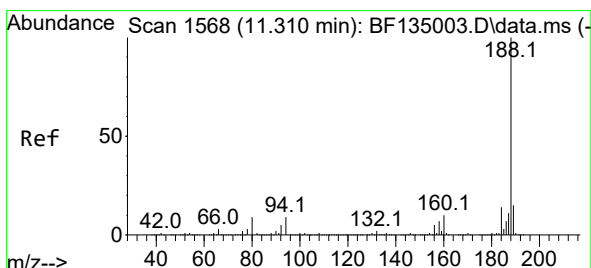
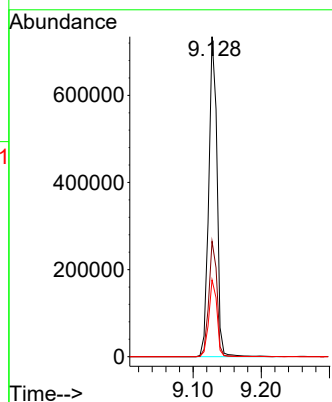
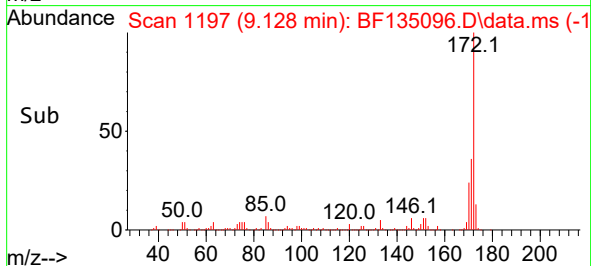
Tgt Ion:172 Resp: 621227
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 24.0 19.0 28.4

Manual Integrations

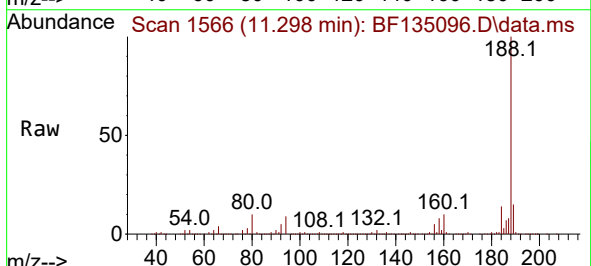
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Reviewed By :Yogesh Patel 09/06/2023

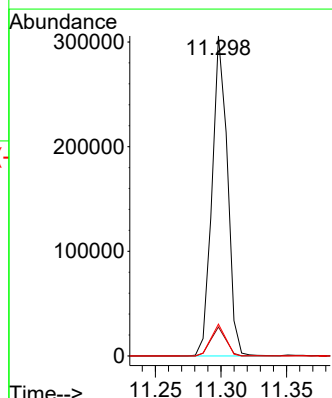
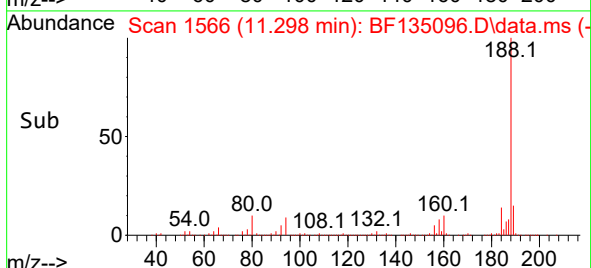
Supervised By :mohammad ahmed 09/07/2023

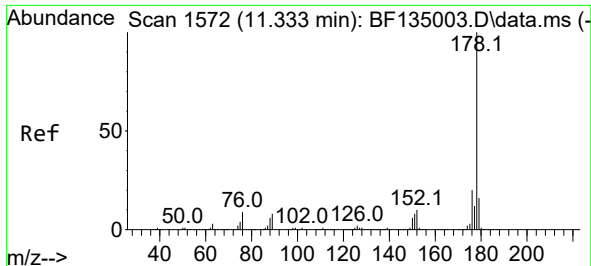


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32



Tgt Ion:188 Resp: 249808
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 10.0 7.4 11.2





#71
Phenanthrene
Concen: 4.267 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

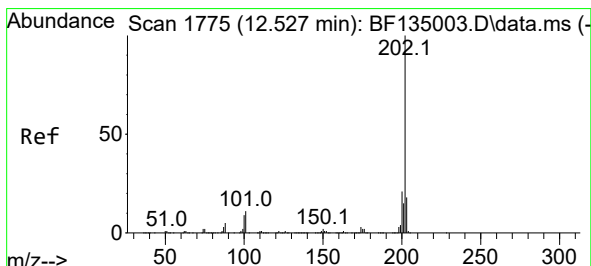
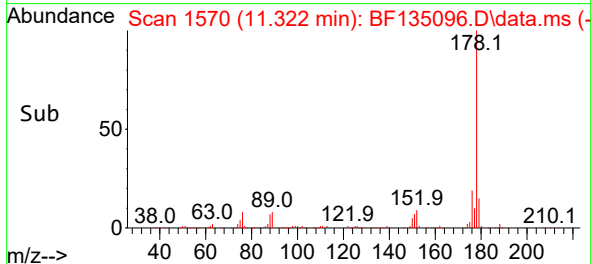
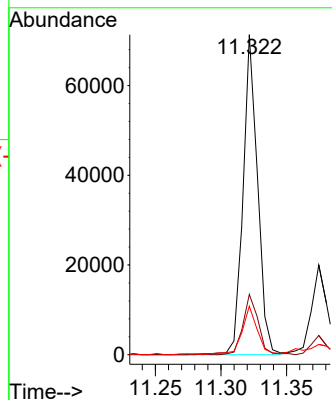
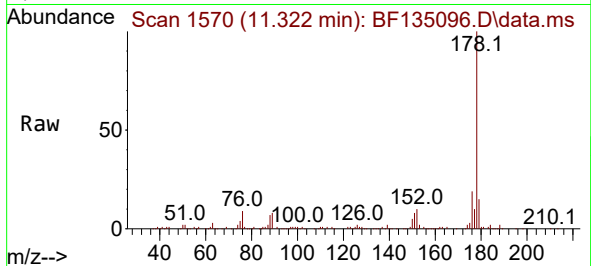
SS-TP-27(0-1)

Tgt Ion:178 Resp: 5499
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.2 12.5 18.7

Manual Integrations

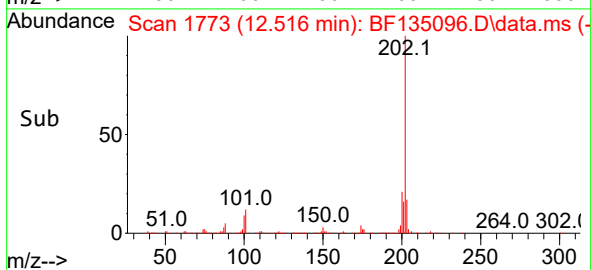
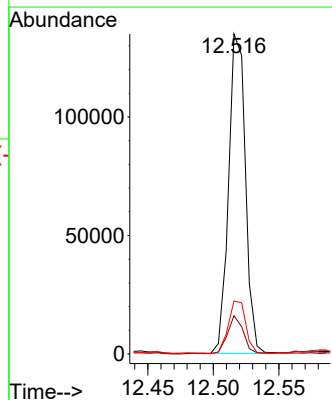
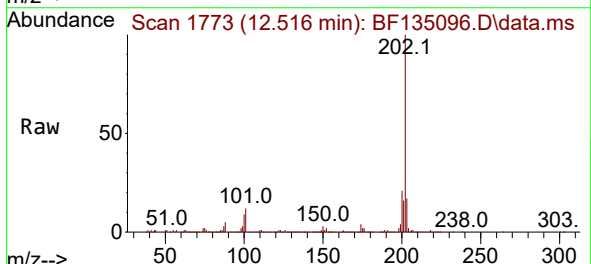
APPROVED

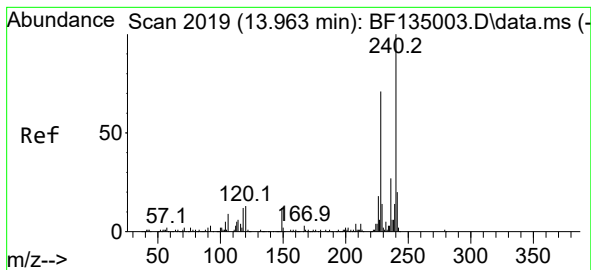
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#75
Fluoranthene
Concen: 9.276 ng
RT: 12.516 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:202 Resp: 120863
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 16.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

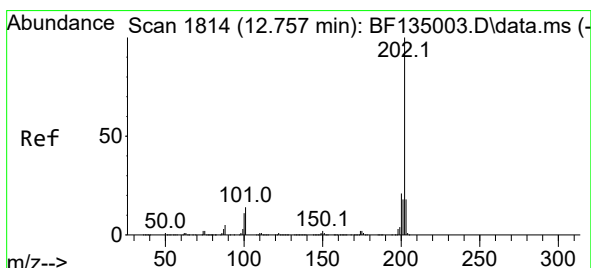
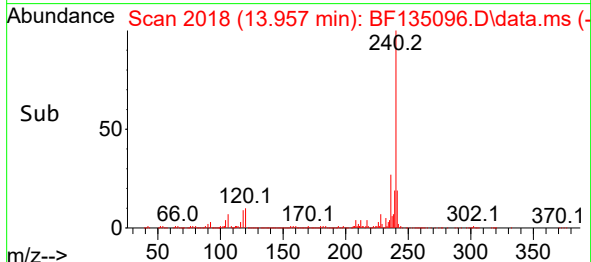
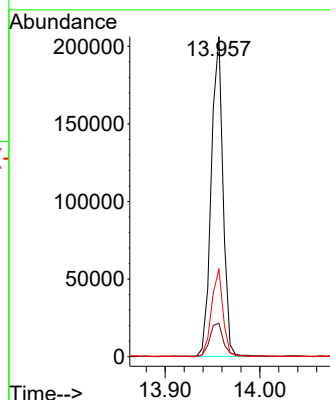
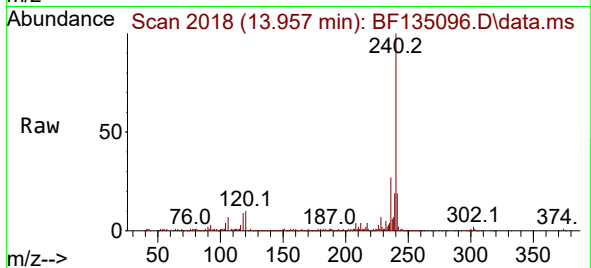
Tgt Ion:240	Resp: 17658
Ion Ratio	Lower Upper
240 100	
120 10.4	10.2 15.2
236 27.2	21.3 31.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#78

Pyrene

Concen: 6.469 ng

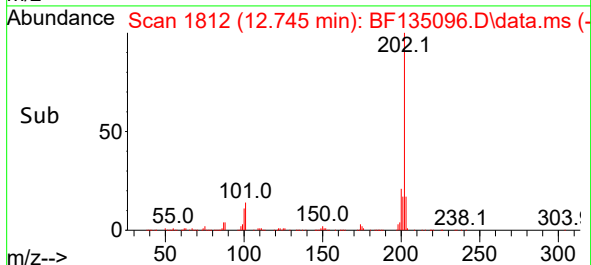
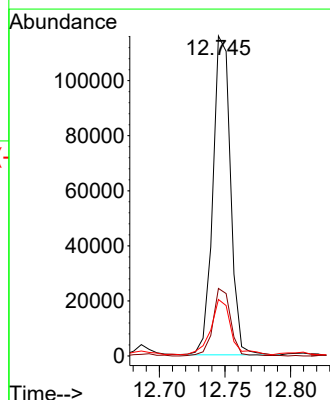
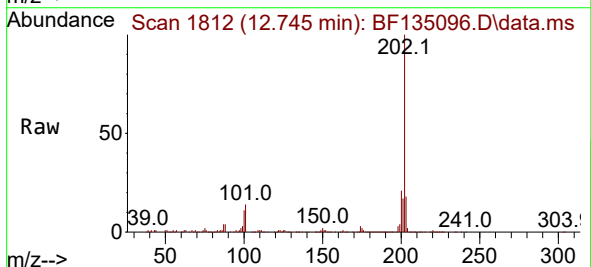
RT: 12.745 min Scan# 1812

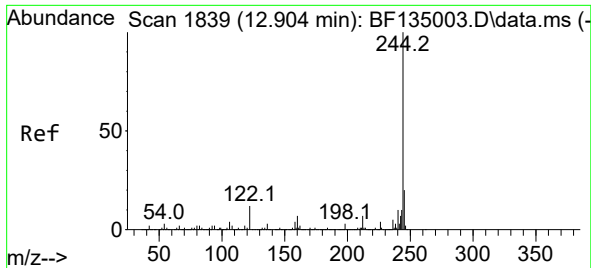
Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:202	Resp: 108451
Ion Ratio	Lower Upper
202 100	
200 21.1	17.0 25.6
203 17.7	14.2 21.2





#79
Terphenyl-d14
Concen: 39.710 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

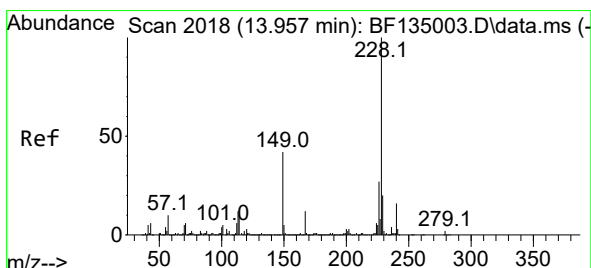
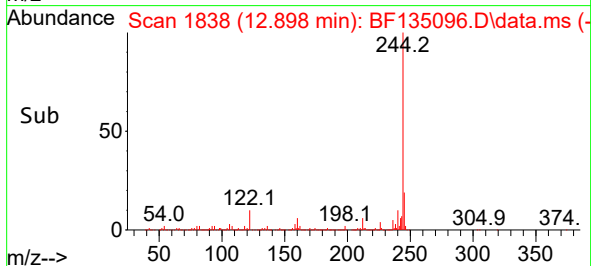
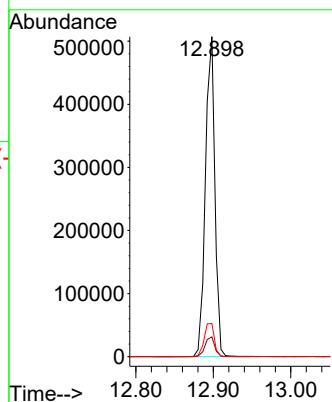
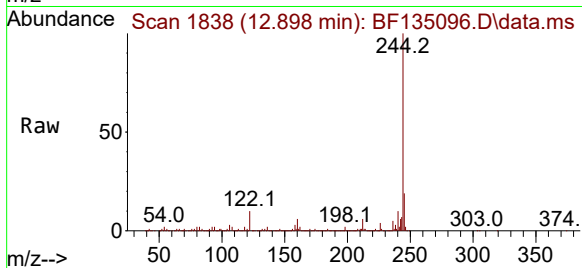
SS-TP-27(0-1)

Tgt Ion:244 Resp: 429685
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 10.3 9.8 14.6

Manual Integrations

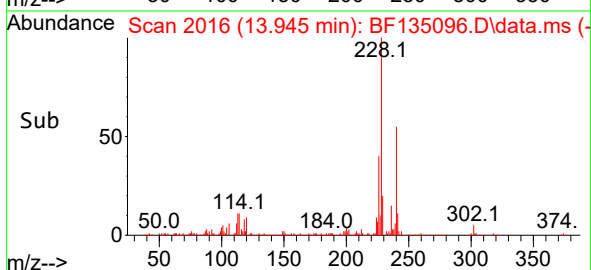
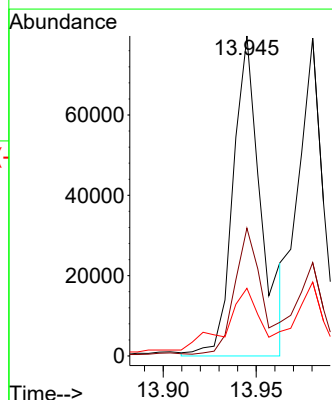
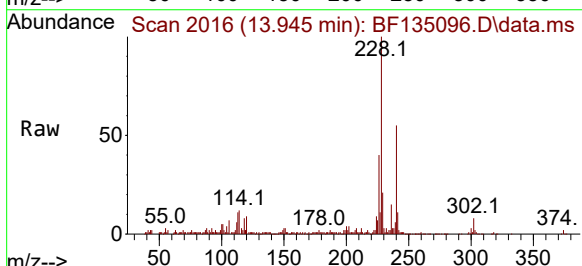
APPROVED

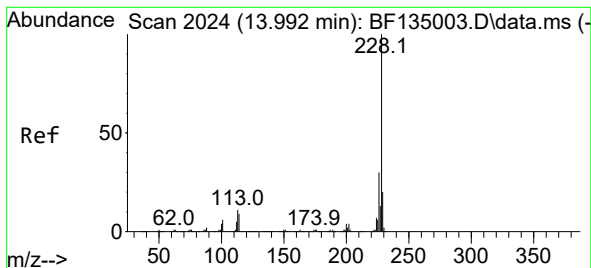
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#81
Benzo(a)anthracene
Concen: 6.940 ng m
RT: 13.945 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:228 Resp: 83599
Ion Ratio Lower Upper
228 100
226 39.9 21.6 32.4#
229 21.1 15.6 23.4





#83

Chrysene

Concen: 6.061 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

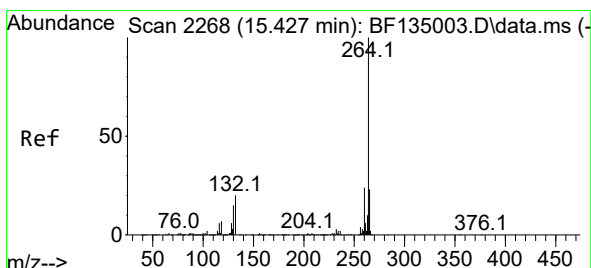
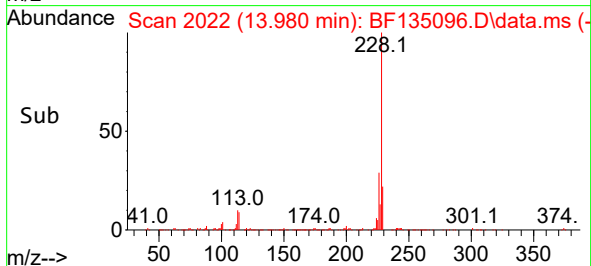
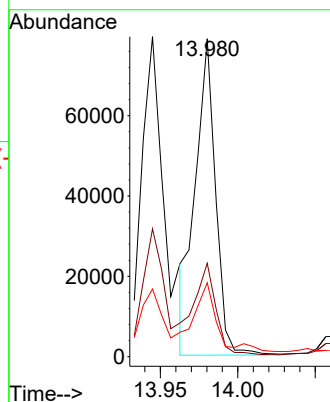
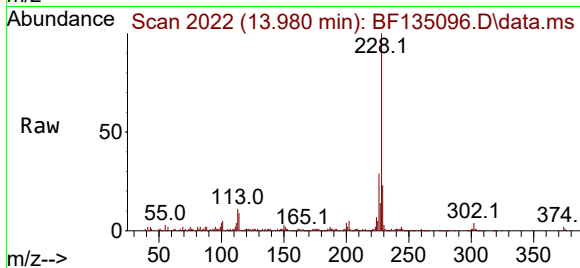
Tgt Ion:228	Resp: 7174
Ion Ratio	Lower Upper
228 100	
226 29.4	24.2 36.4
229 23.3	15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#86

Perylene-d12

Concen: 20.000 ng

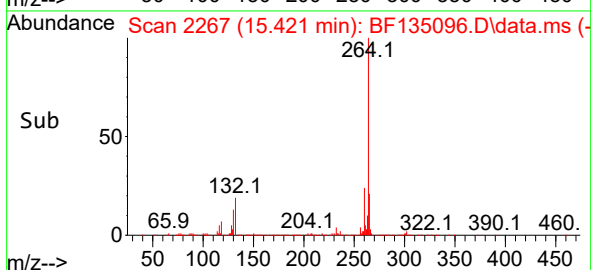
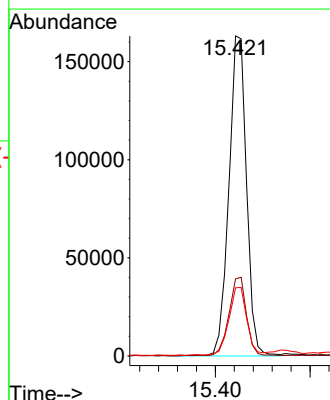
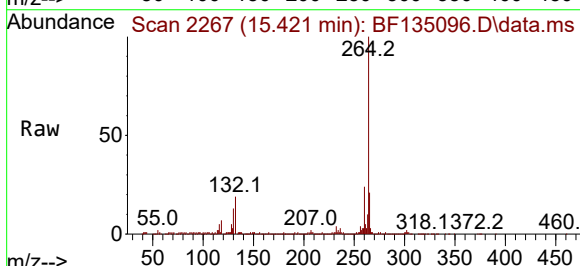
RT: 15.421 min Scan# 2267

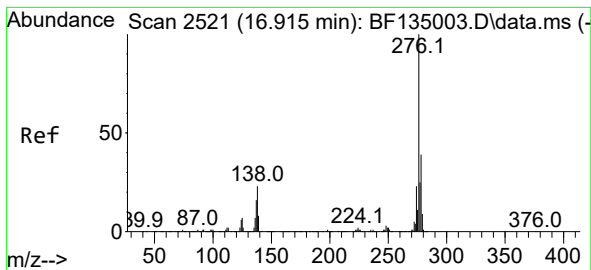
Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:264	Resp: 210651
Ion Ratio	Lower Upper
264 100	
260 24.1	19.0 28.6
265 21.3	18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.469 ng

RT: 16.898 min Scan# 2119

Delta R.T. -0.018 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

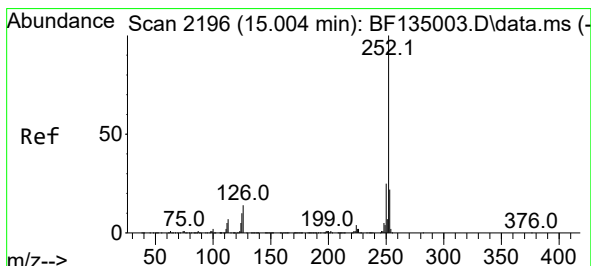
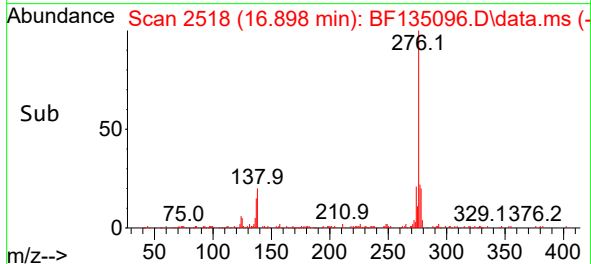
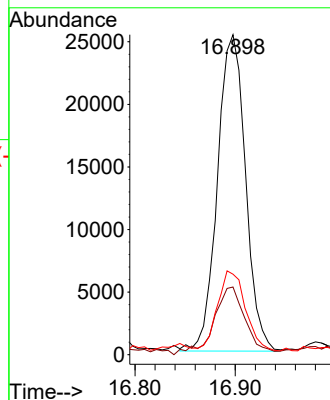
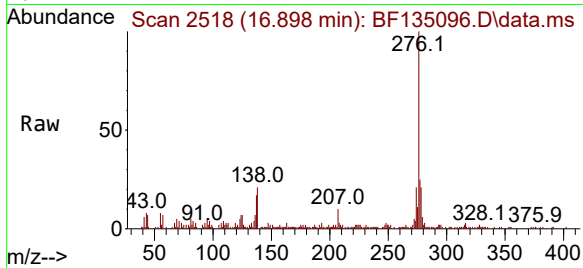
Tgt Ion:	276	Resp:	4922
Ion Ratio	Lower	Upper	
276	100		
138	24.2	20.2	30.2
277	25.1	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#88

Benzo(b)fluoranthene

Concen: 11.278 ng m

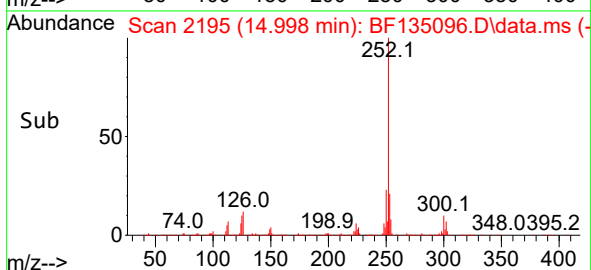
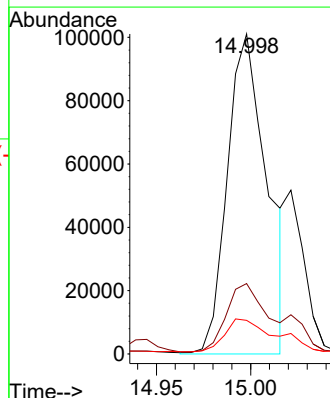
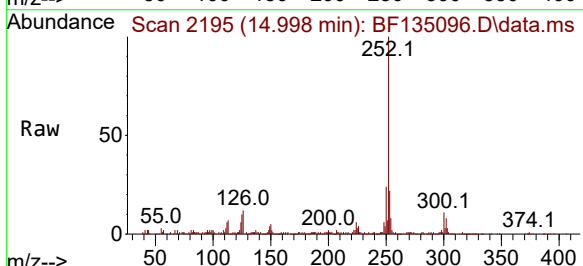
RT: 14.998 min Scan# 2195

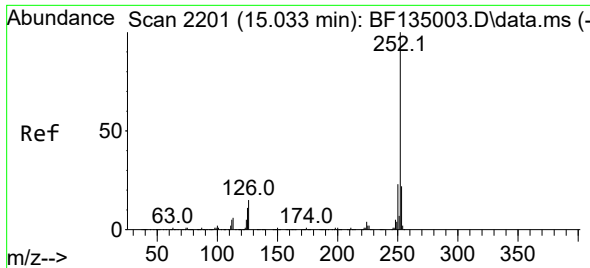
Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:	252	Resp:	147819
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.8
125	10.5	8.4	12.6





#89
Benzo(k)fluoranthene
Concen: 2.827 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

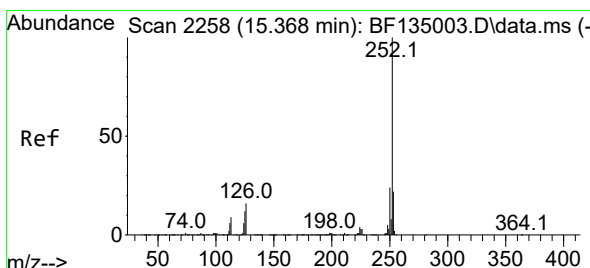
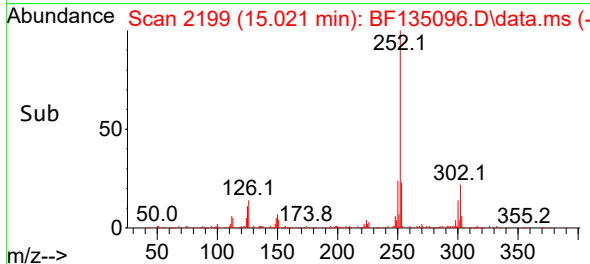
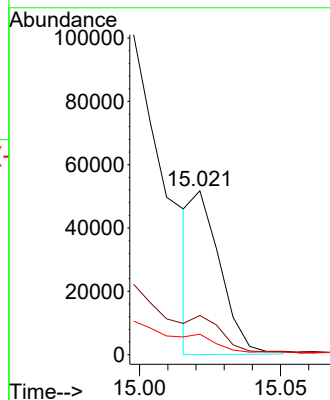
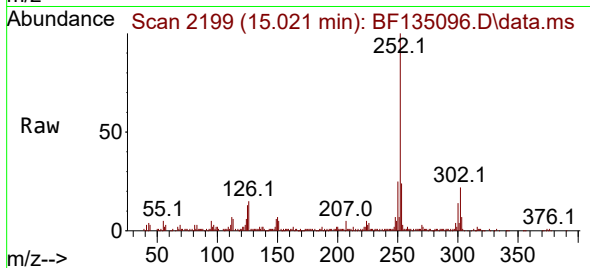
SS-TP-27(0-1)

Tgt Ion:252 Resp: 35792
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 12.5 8.5 12.7

Manual Integrations

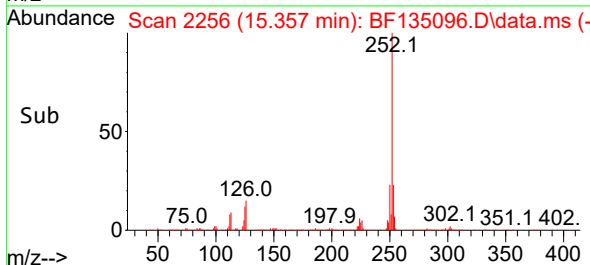
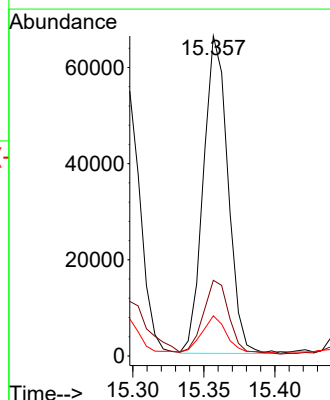
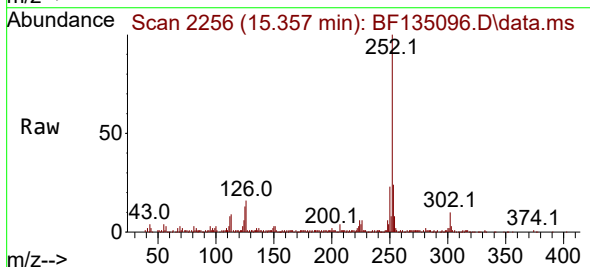
APPROVED

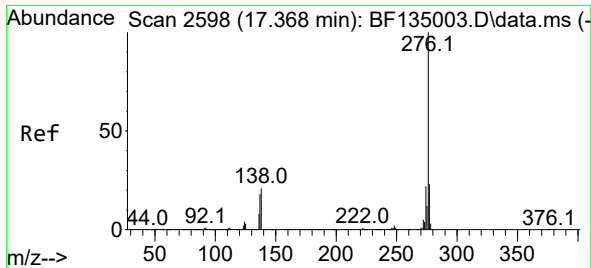
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#90
Benzo(a)pyrene
Concen: 6.529 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

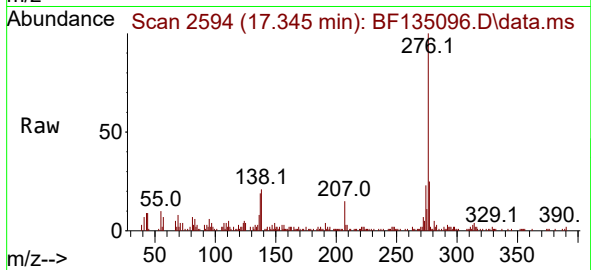
Tgt Ion:252 Resp: 79494
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 12.6 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.328 ng
 RT: 17.345 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF135096.D
 Acq: 05 Sep 2023 15:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-27(0-1)



Tgt Ion:	276	Resp:	39778
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.5	27.7
138	21.4	17.1	25.7

Manual Integrations
 APPROVED

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

