

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135101.D
 Acq On : 05 Sep 2023 18:22
 Operator : CG\JU
 Sample : 04221-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-5-082923

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 01:55:42 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	96884	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	354962	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	149877	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	223751	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	190047	20.000	ng	0.00
86) Perylene-d12	15.427	264	146152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	549117	87.545	ng	0.00
7) Phenol-d6	6.410	99	654530	83.720	ng	0.00
23) Nitrobenzene-d5	7.334	82	397227	62.870	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	117989	74.212	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	652835	70.917	ng	-0.01
79) Terphenyl-d14	12.904	244	574556	49.336	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.321	178	93792	8.125	ng	100
75) Fluoranthene	12.521	202	154324	13.223	ng	99
78) Pyrene	12.751	202	156061	8.649	ng	99
81) Benzo(a)anthracene	13.951	228	88657	6.839	ng	97
83) Chrysene	13.986	228	90599m	7.111	ng	
87) Indeno(1,2,3-cd)pyrene	16.903	276	26174	2.659	ng	94
88) Benzo(b)fluoranthene	15.004	252	84845m	9.330	ng	
89) Benzo(k)fluoranthene	15.027	252	24572m	2.797	ng	
90) Benzo(a)pyrene	15.368	252	51617	6.110	ng	# 93
92) Benzo(g,h,i)perylene	17.356	276	27789	3.351	ng	# 94

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

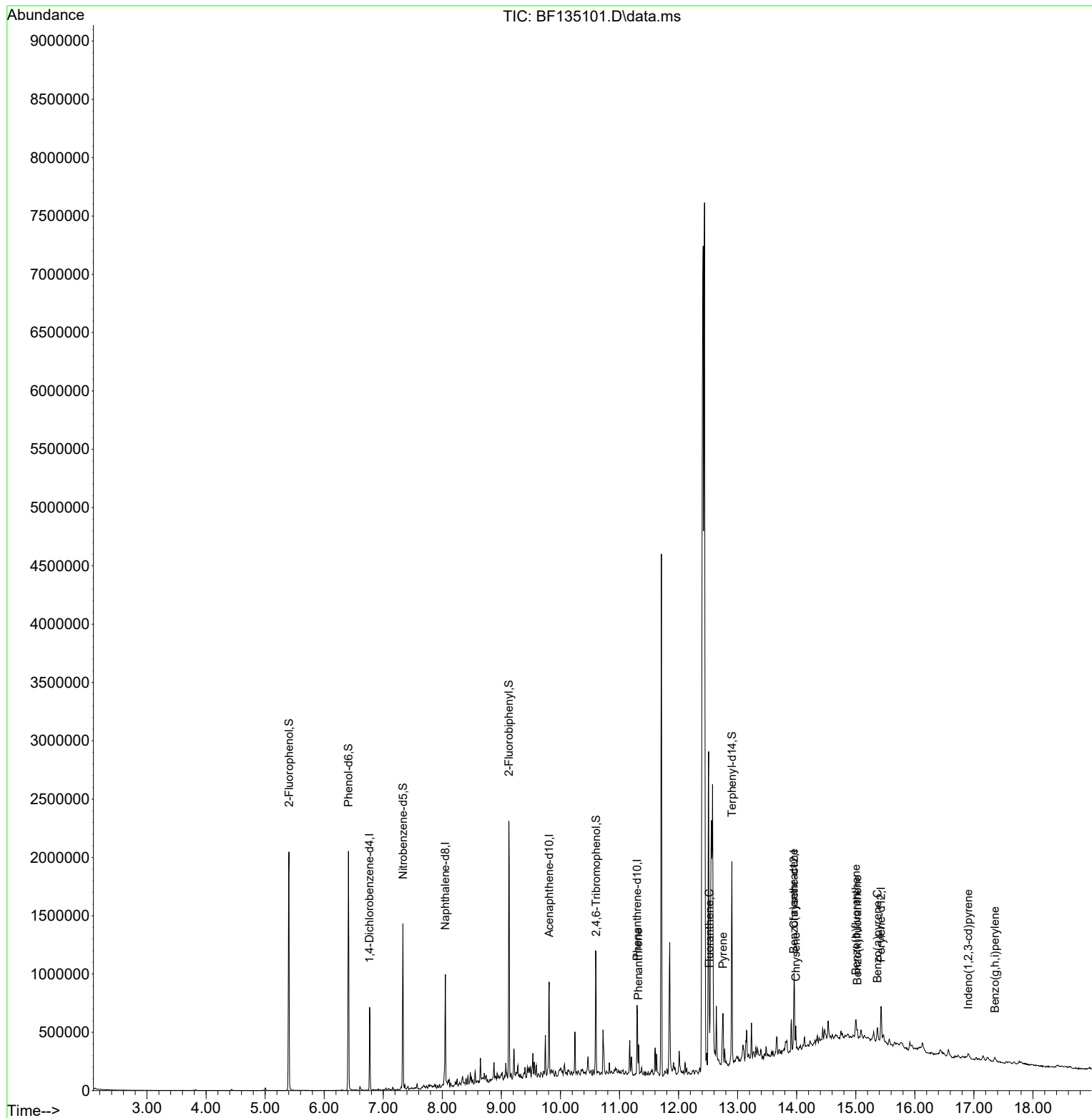
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135101.D
Acq On : 05 Sep 2023 18:22
Operator : CG\JU
Sample : 04221-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

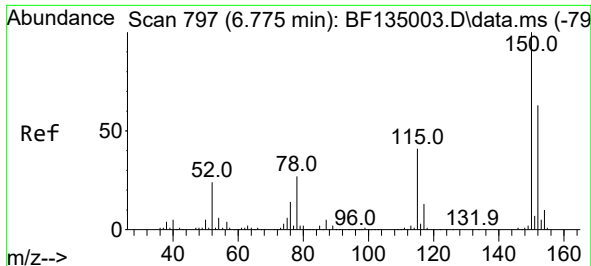
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

Quant Time: Sep 06 01:55:42 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

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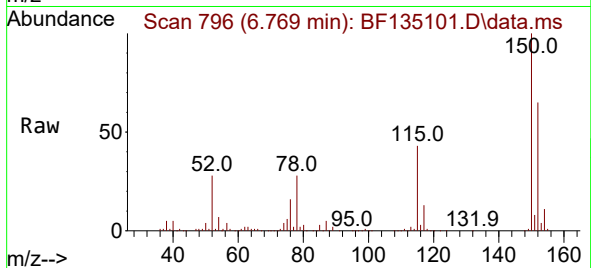
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

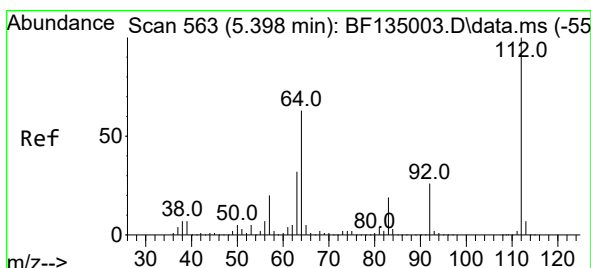
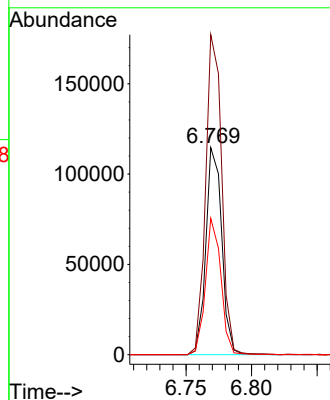
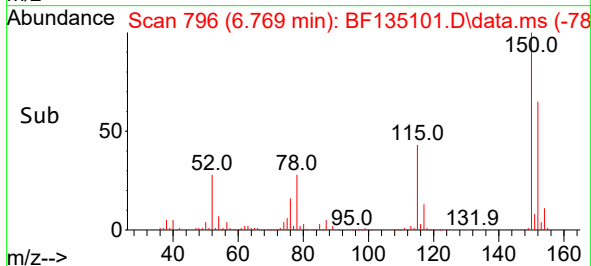
Instrument :
BNA_F
ClientSampleId :
AU-5-082923



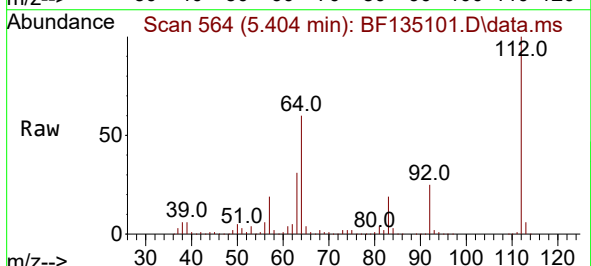
Tgt Ion:152 Resp: 96884
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.4
115 65.8 51.2 76.8

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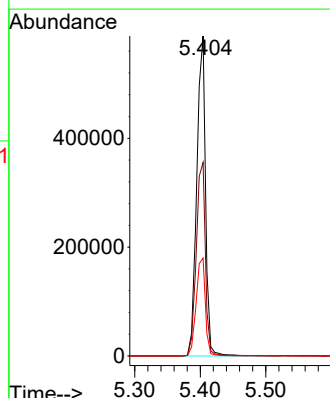
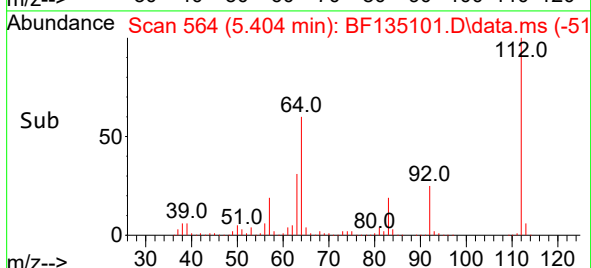
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Supervised By :mohammad ahmed 09/07/2023

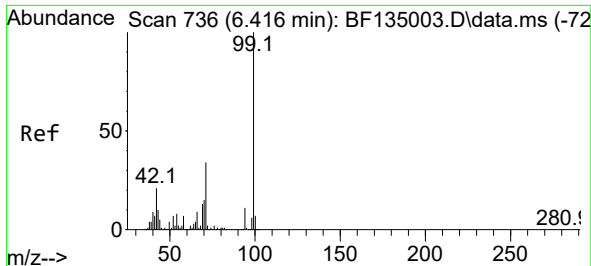


#5
2-Fluorophenol
Concen: 87.545 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22



Tgt Ion:112 Resp: 549117
Ion Ratio Lower Upper
112 100
64 60.5 50.5 75.7
63 30.6 25.9 38.9





#7

Phenol-d6

Concen: 83.720 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135101.D

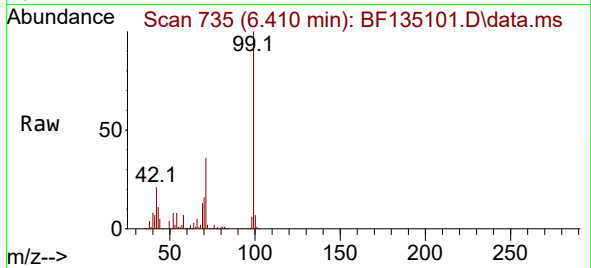
Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

AU-5-082923



Tgt Ion: 99 Resp: 654530

Ion Ratio Lower Upper

99 100

42 21.0 16.6 25.0

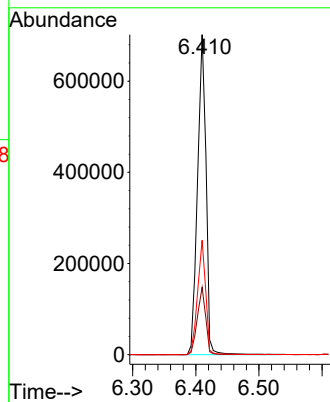
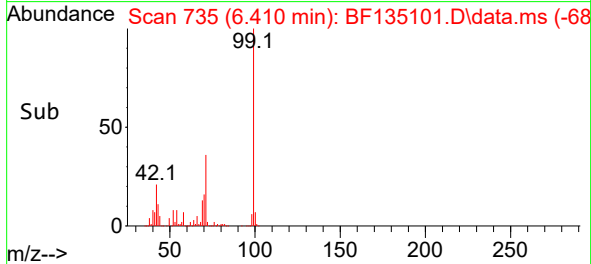
71 35.7 27.0 40.6

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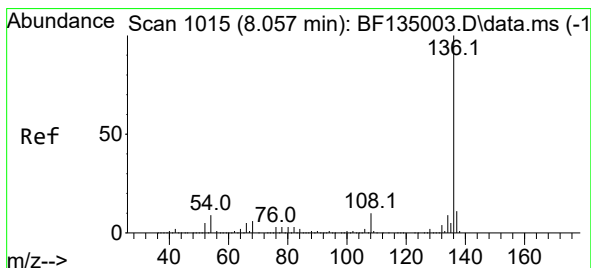
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Tgt Ion:136 Resp: 354962

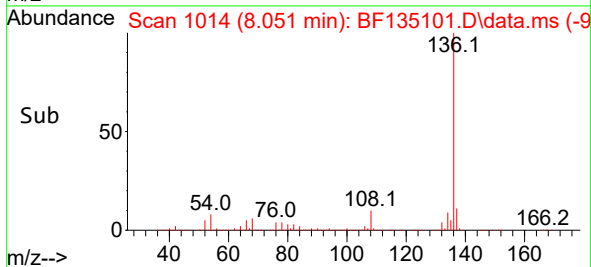
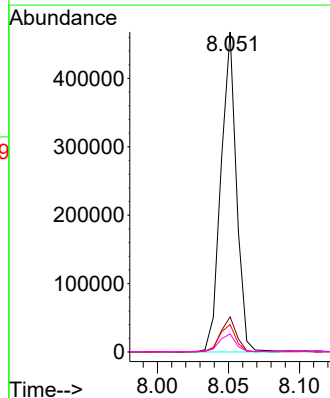
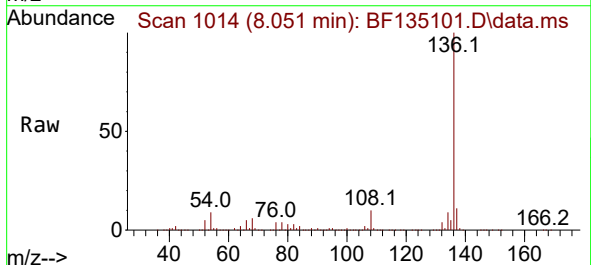
Ion Ratio Lower Upper

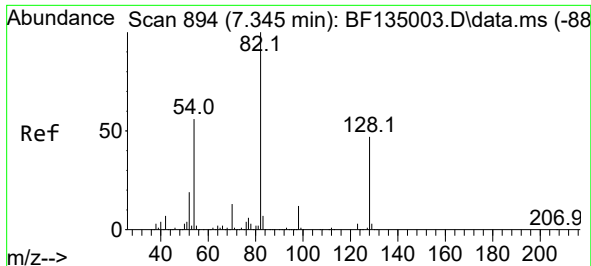
136 100

137 11.0 8.8 13.2

54 8.6 7.0 10.4

68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 62.870 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135101.D

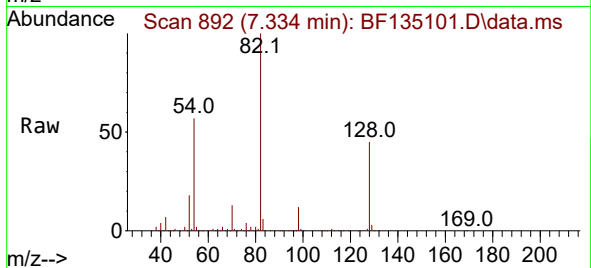
Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

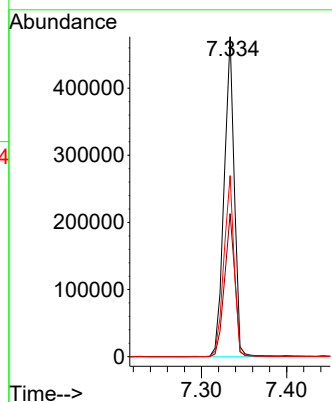
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Tgt Ion:	82	Resp:	39722
Ion Ratio	Lower	Upper	
82	100		
128	44.7	37.8	56.8
54	56.6	45.0	67.6

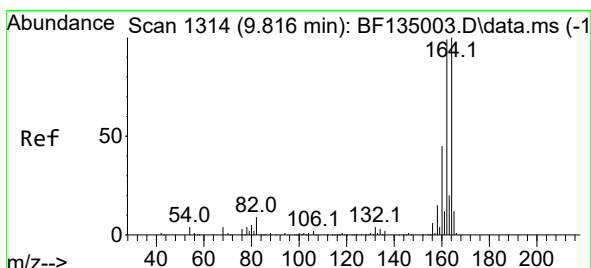
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#39

Acenaphthene-d10

Concen: 20.000 ng

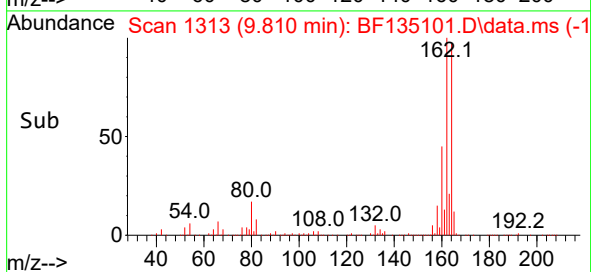
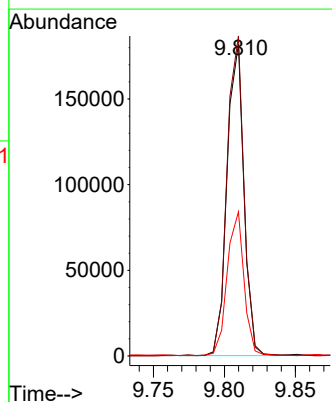
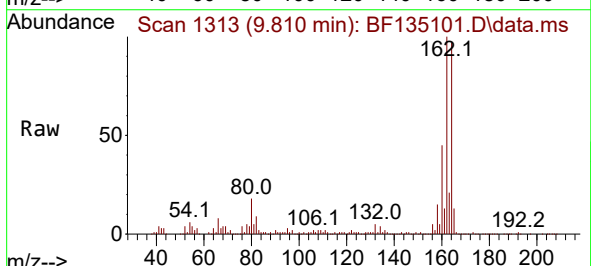
RT: 9.810 min Scan# 1313

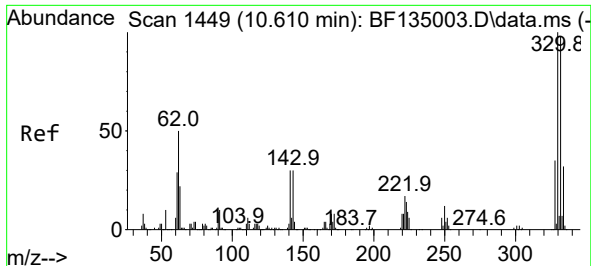
Delta R.T. -0.006 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

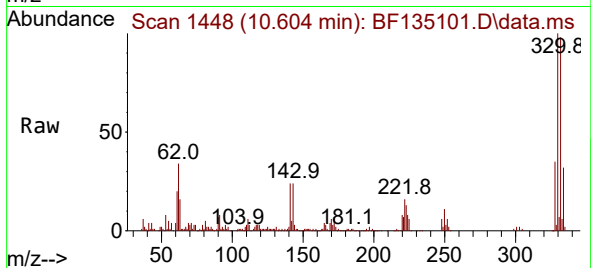
Tgt Ion:	164	Resp:	149877
Ion Ratio	Lower	Upper	
164	100		
162	102.6	79.5	119.3
160	46.2	36.0	54.0





#42
2,4,6-Tribromophenol
Concen: 74.212 ng
RT: 10.604 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

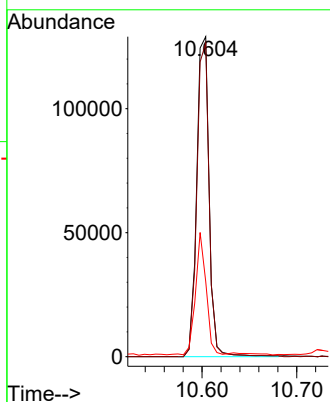
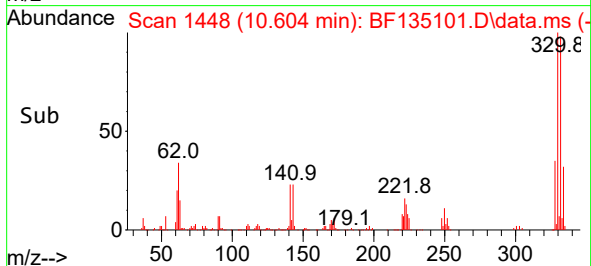
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 330 Resp: 117989
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 32.6 26.3 39.5

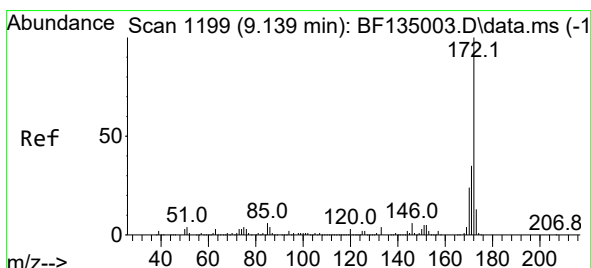
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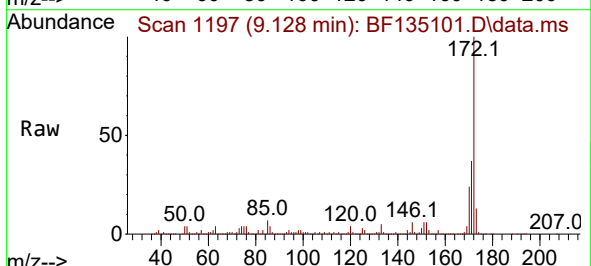


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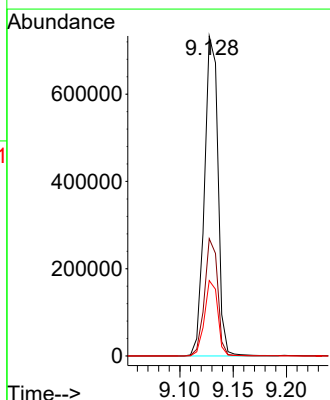
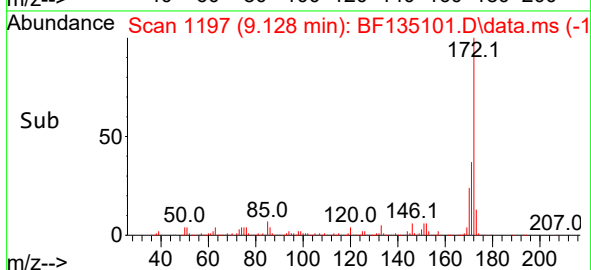
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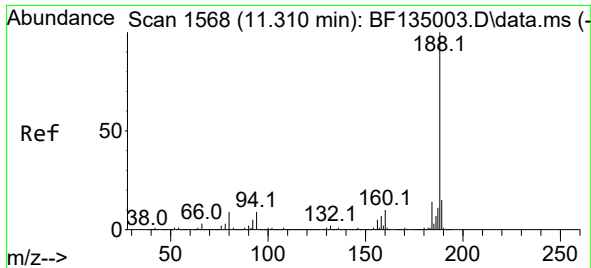


#45
2-Fluorobiphenyl
Concen: 70.917 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22



Tgt Ion: 172 Resp: 652835
Ion Ratio Lower Upper
172 100
171 36.7 28.2 42.2
170 23.6 19.0 28.4





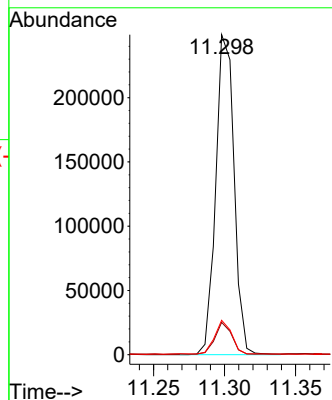
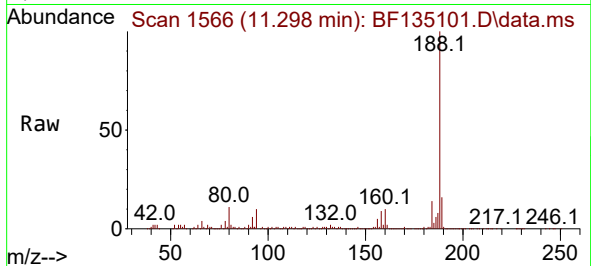
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :
AU-5-082923

Tgt Ion:188 Resp: 22375
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.4
80 10.8 7.4 11.2

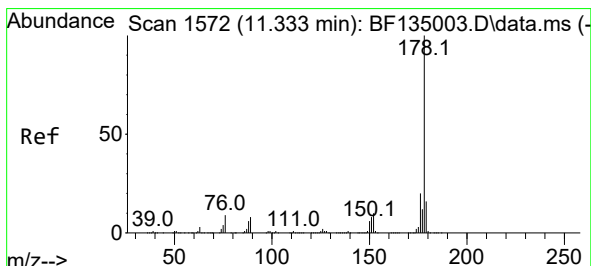
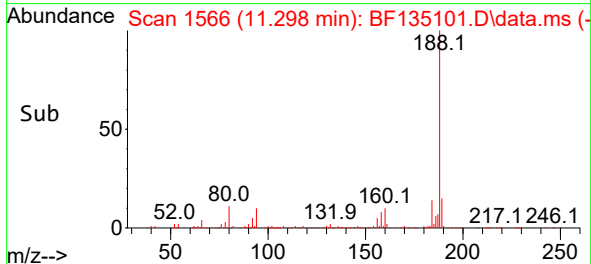
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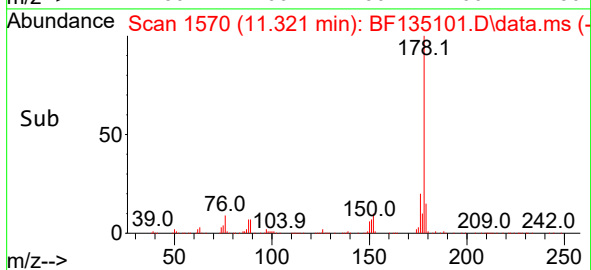
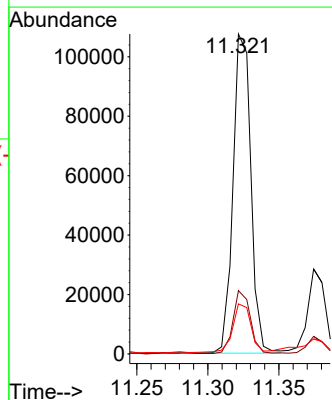
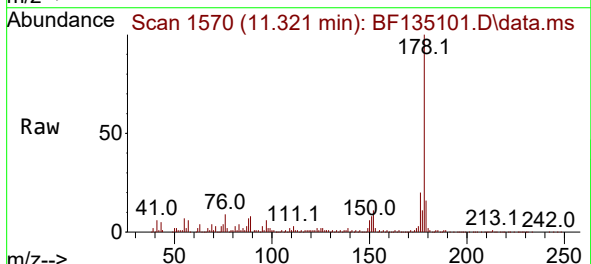
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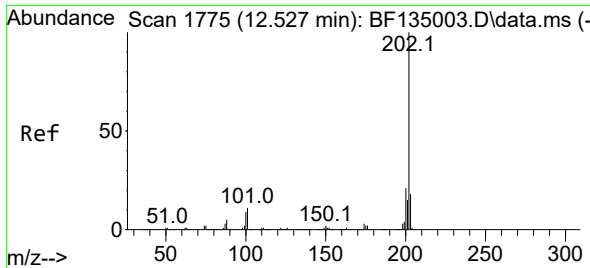
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#71
Phenanthrene
Concen: 8.125 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

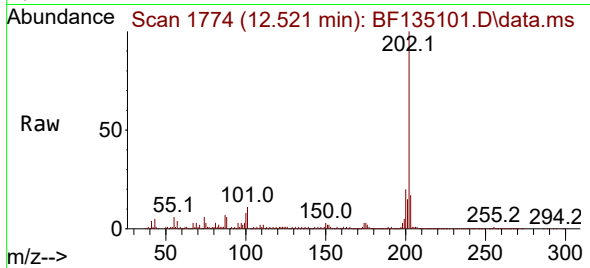
Tgt Ion:178 Resp: 93792
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.5 18.7





#75
Fluoranthene
Concen: 13.223 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

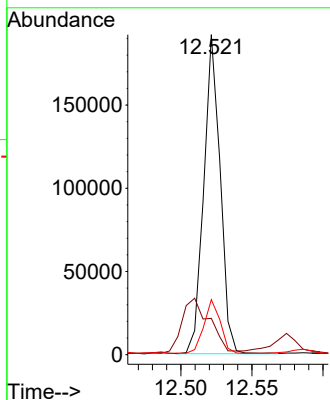
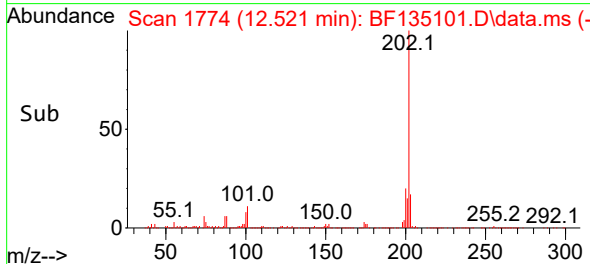
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 154324
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.5
203 17.2 0.0 37.8

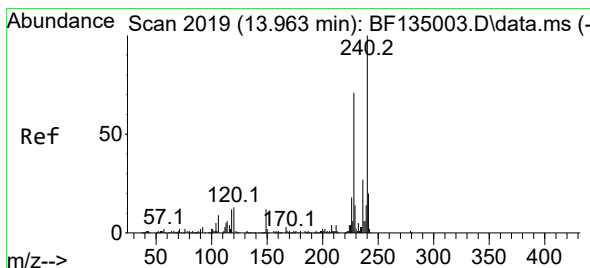
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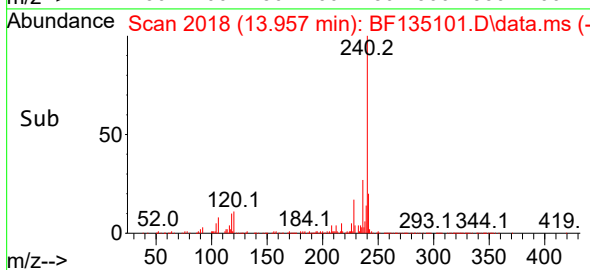
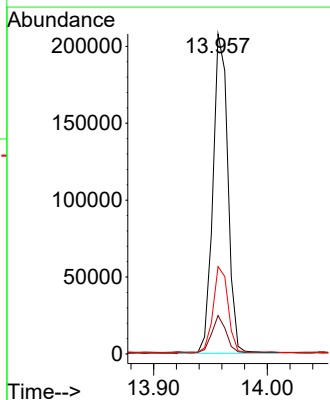
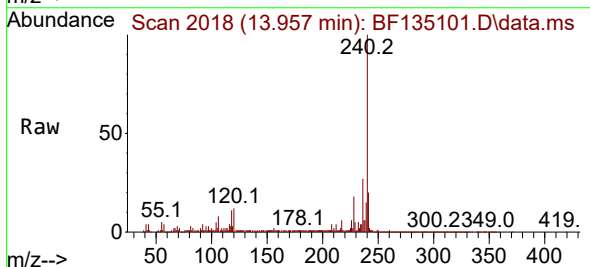
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Supervised By :mohammad
ahmed

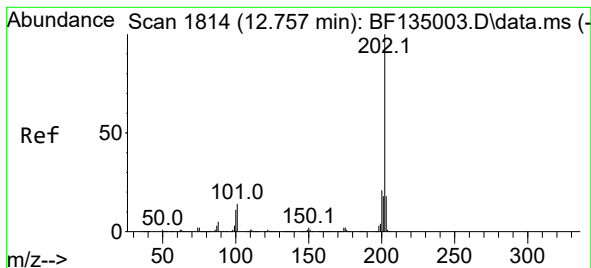
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:240 Resp: 190047
Ion Ratio Lower Upper
240 100
120 12.0 10.2 15.2
236 27.3 21.3 31.9





#78

Pyrene

Concen: 8.649 ng

RT: 12.751 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

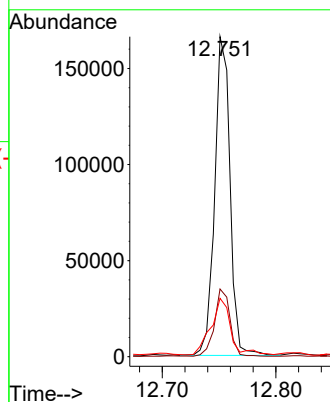
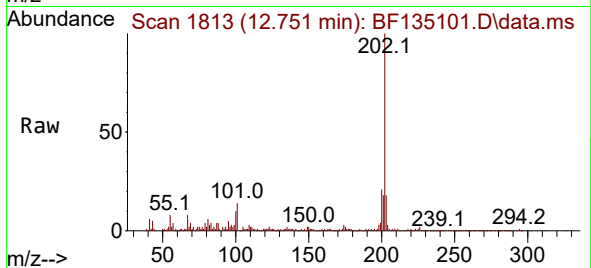
ClientSampleId :

AU-5-082923

Tgt Ion:	202	Resp:	15606
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.6
203	18.3	14.2	21.2

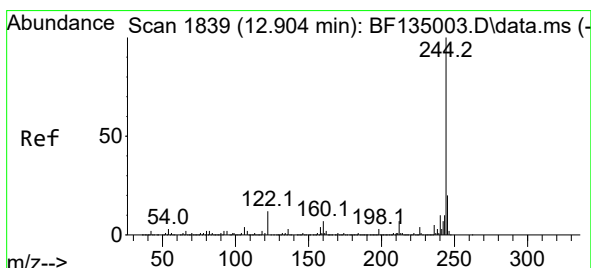
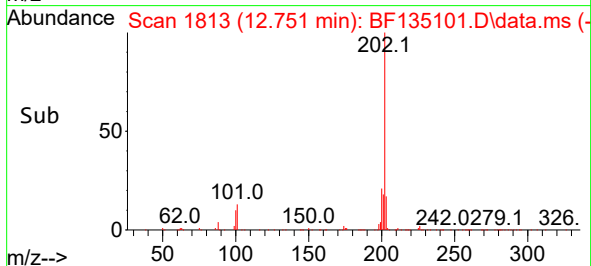
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Patel



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ahmed

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#79

Terphenyl-d14

Concen: 49.336 ng

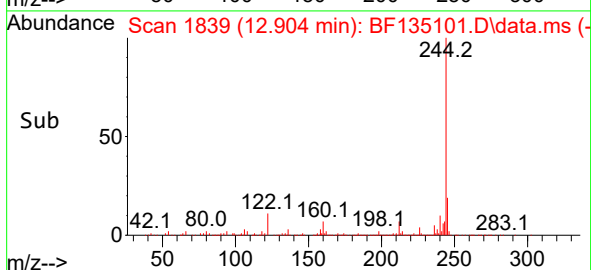
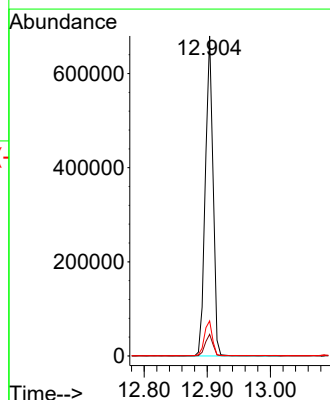
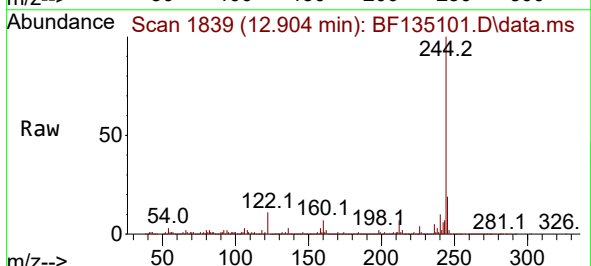
RT: 12.904 min Scan# 1839

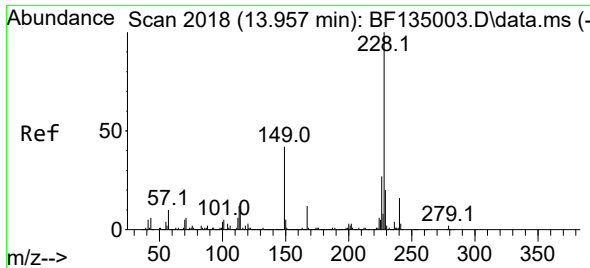
Delta R.T. -0.000 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Tgt Ion:	244	Resp:	574556
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	11.0	9.8	14.6





#81
Benzo(a)anthracene
Concen: 6.839 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

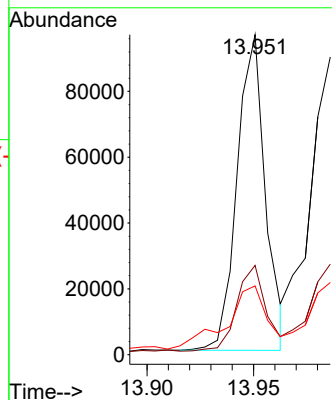
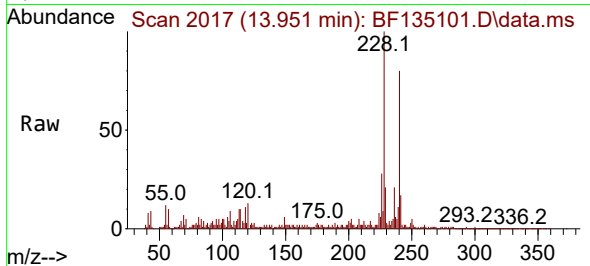
ClientSampleId :

AU-5-082923

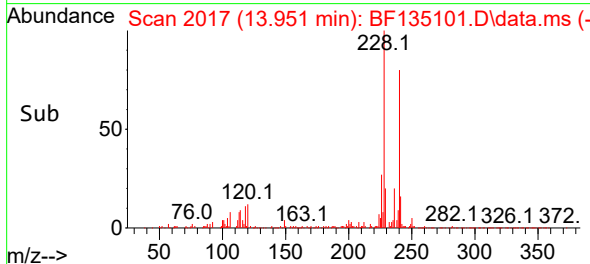
Tgt Ion:228 Resp: 8865
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 21.5 15.6 23.4

Manual Integrations
APPROVED

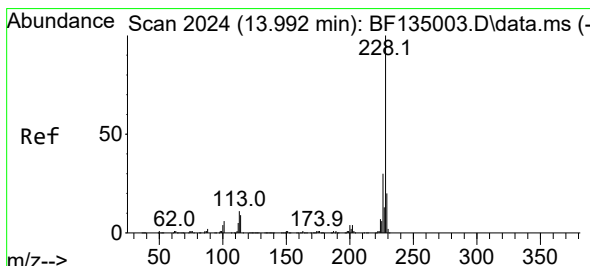
Reviewed By :Yogesh
Patel



09/06/2023
Supervised By :mohammad
ahmed

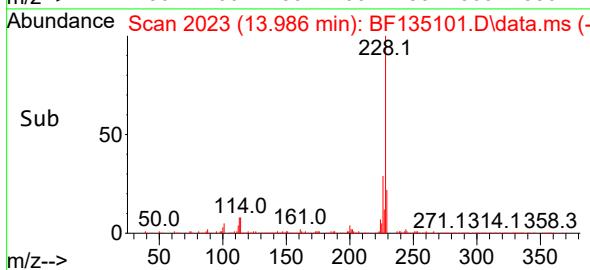
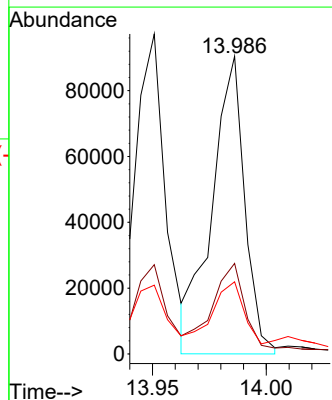
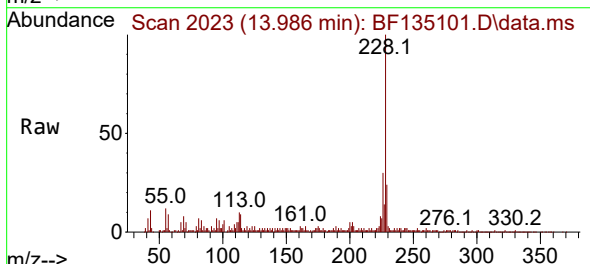


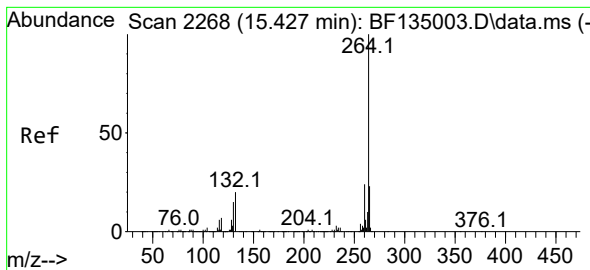
09/07/2023



#83
Chrysene
Concen: 7.111 ng m
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:228 Resp: 90599
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 24.3 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

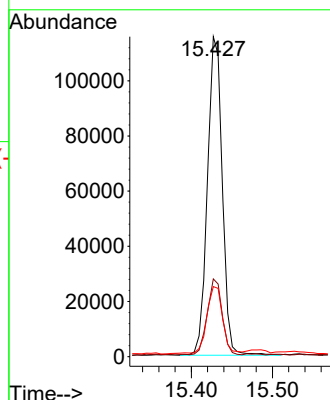
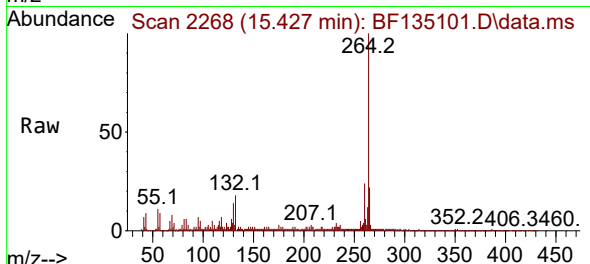
ClientSampleId :

AU-5-082923

Tgt Ion:264 Resp: 14615
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 21.9 18.2 27.2

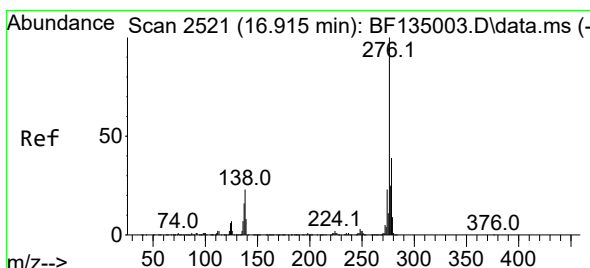
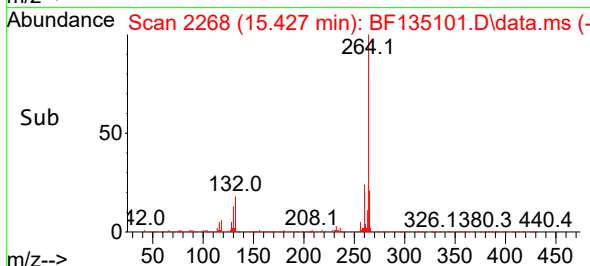
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



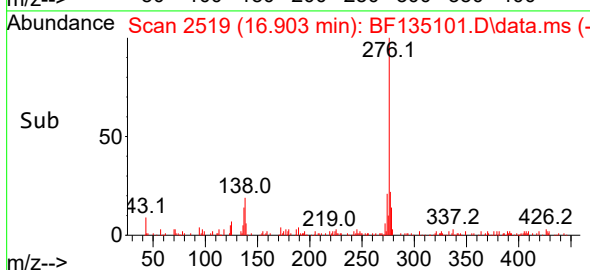
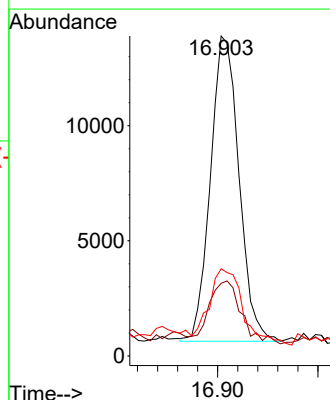
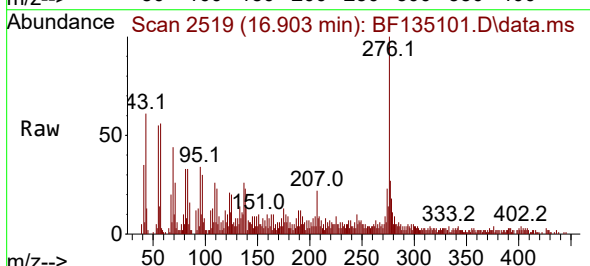
09/06/2023
Supervised By :mohammad
ahmed

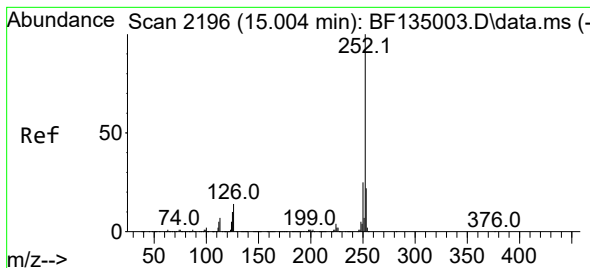
09/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.659 ng
RT: 16.903 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:276 Resp: 26174
Ion Ratio Lower Upper
276 100
138 23.7 20.2 30.2
277 29.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.330 ng m

RT: 15.004 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNF

ClientSampleId :

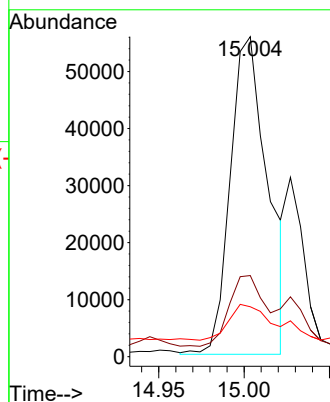
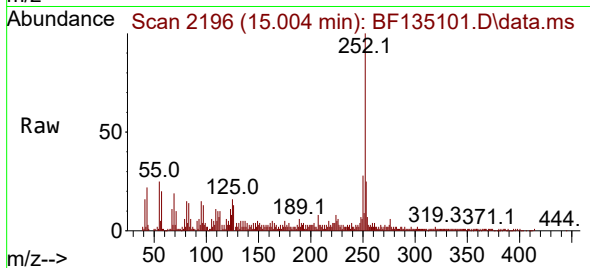
AU-5-082923

Tgt Ion:252 Resp: 8484

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	15.6	8.4	12.6

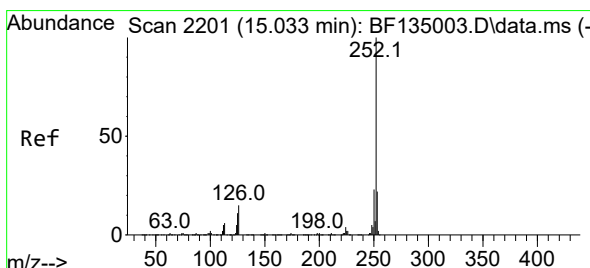
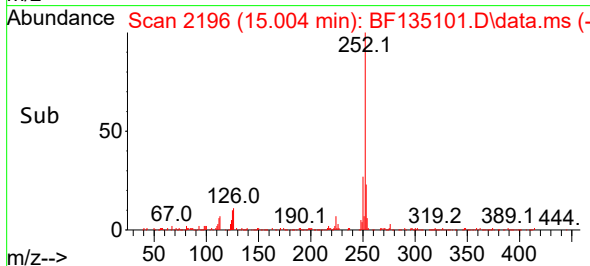
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



09/06/2023
Supervised By :mohammad
ahmed

09/07/2023



#89

Benzo(k)fluoranthene

Concen: 2.797 ng m

RT: 15.027 min Scan# 2200

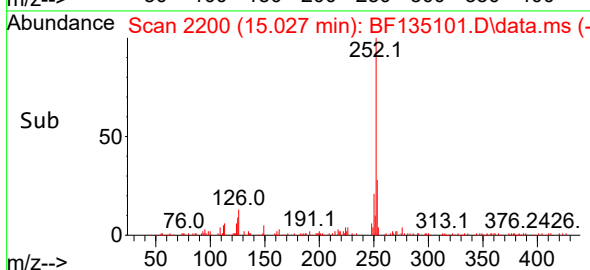
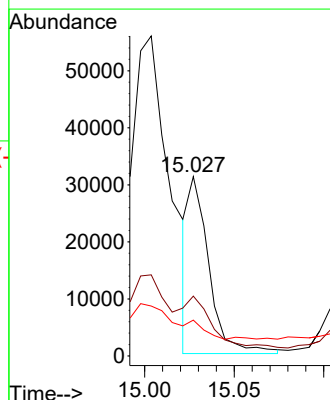
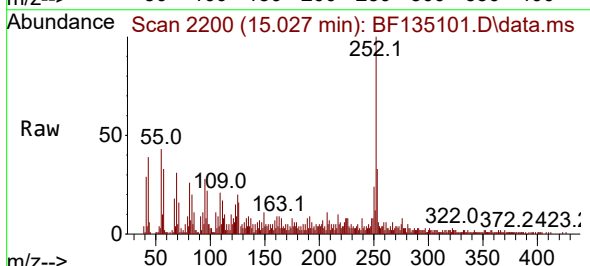
Delta R.T. -0.006 min

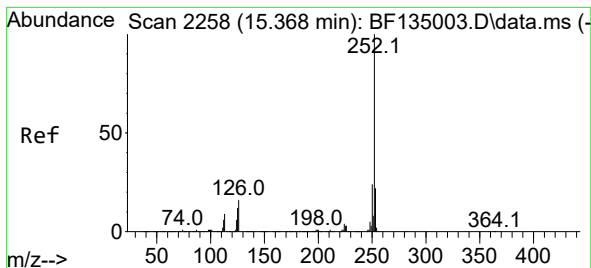
Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Tgt Ion:252 Resp: 24572

Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.4	26.0#
125	20.0	8.5	12.7#





#90

Benzo(a)pyrene

Concen: 6.110 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

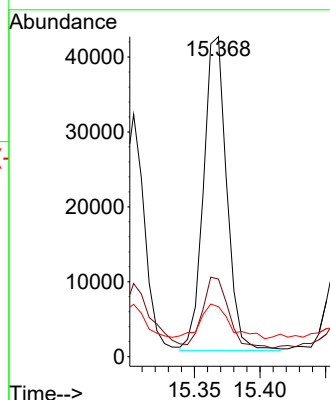
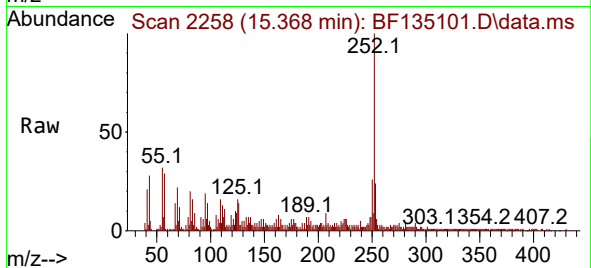
ClientSampleId :

AU-5-082923

Tgt Ion:	252	Resp:	5161
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	15.6	9.5	14.3

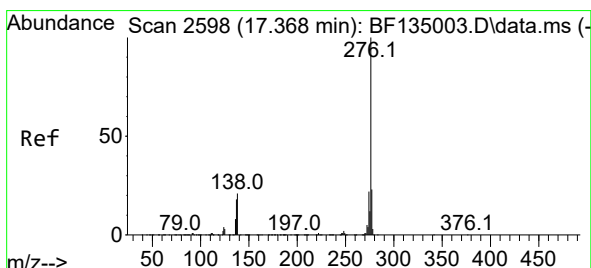
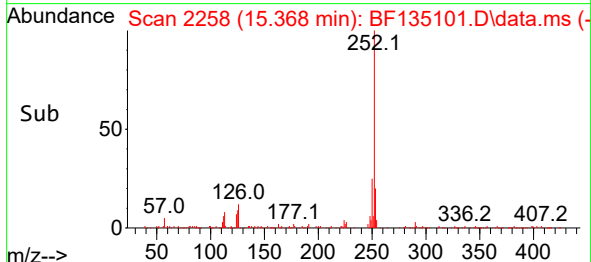
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



09/06/2023
Supervised By :mohammad
ahmed

09/07/2023



#92

Benzo(g,h,i)perylene

Concen: 3.351 ng

RT: 17.356 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Tgt Ion:	276	Resp:	27789
Ion Ratio	Lower	Upper	
276	100		
277	28.0	18.5	27.7
138	22.6	17.1	25.7

