

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135207.D
 Acq On : 13 Sep 2023 05:32
 Operator : CG\JU
 Sample : 04336-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 07:43:01 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	6.763	152	110600	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	435127	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	220716	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	394064	20.000	ng	0.00
76) Chrysene-d12	13.945	240	199446	20.000	ng	# 0.00
86) Perylene-d12	15.404	264	234242	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	595965	87.641	ng	0.01
7) Phenol-d6	6.404	99	798688	92.369	ng	0.00
23) Nitrobenzene-d5	7.328	82	487163	60.827	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	199204	90.820	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	870723	59.519	ng	0.00
79) Terphenyl-d14	12.886	244	727656	56.557	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	83446	4.477	ng	100
75) Fluoranthene	12.504	202	120529	6.206	ng	98
78) Pyrene	12.733	202	96240	5.068	ng	98
81) Benzo(a)anthracene	13.933	228	42863	3.328	ng	97
83) Chrysene	13.968	228	42336	3.306	ng	95
88) Benzo(b)fluoranthene	14.980	252	49941m	3.938	ng	
90) Benzo(a)pyrene	15.345	252	35327	2.921	ng	98

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

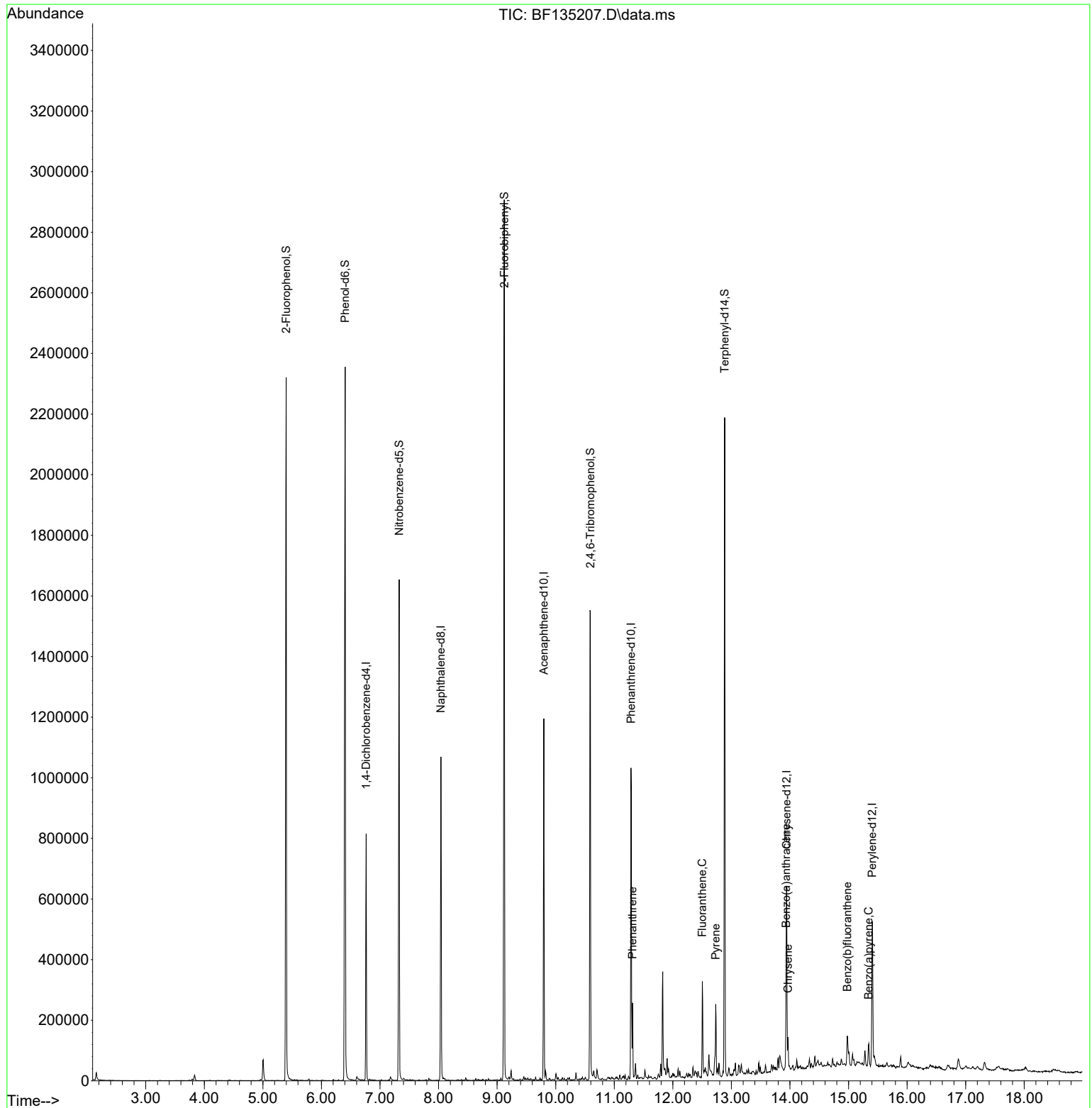
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135207.D
Acq On : 13 Sep 2023 05:32
Operator : CG\JU
Sample : 04336-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

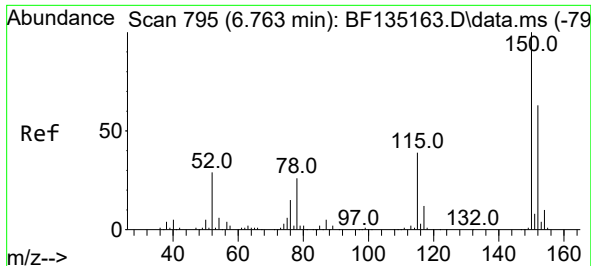
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Quant Time: Sep 13 07:43:01 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

Manual Integrations
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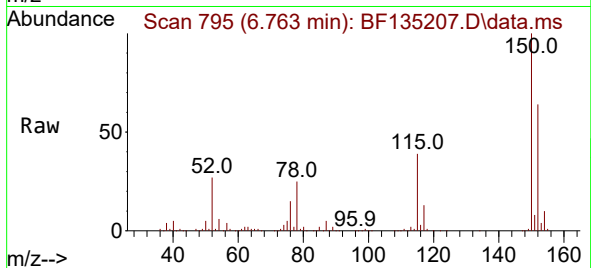
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

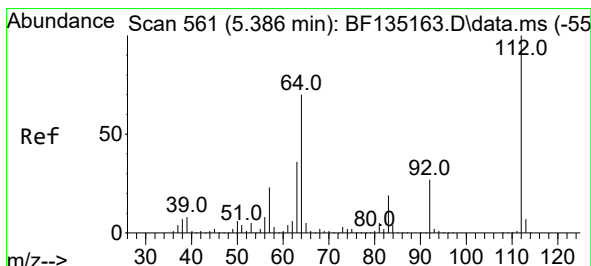
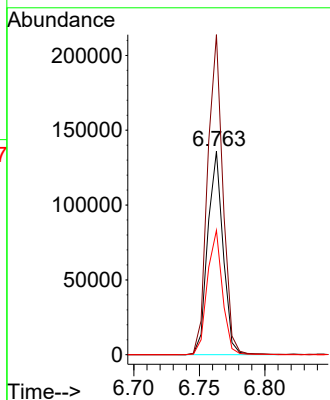
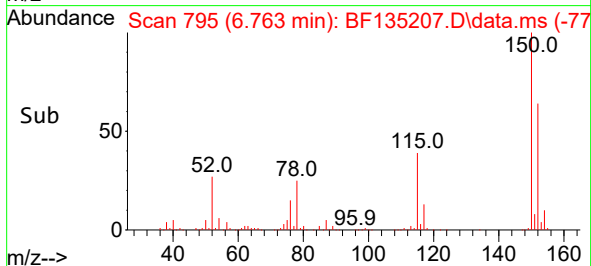
Instrument :
BNA_F
ClientSampleId :
TRENCH-A



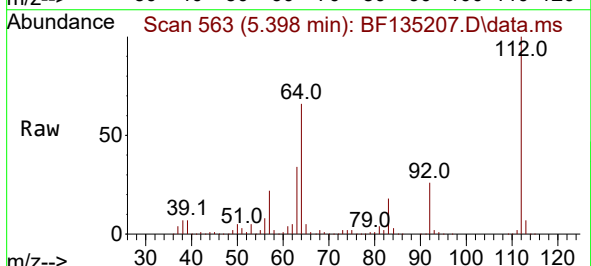
Tgt Ion:152 Resp: 110600
Ion Ratio Lower Upper
152 100
150 157.3 127.8 191.6
115 61.1 49.8 74.8

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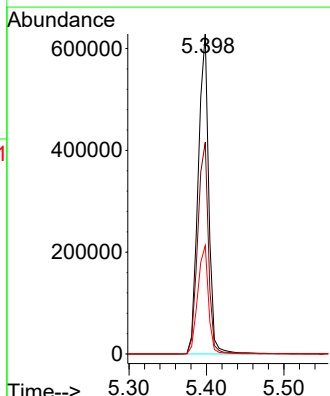
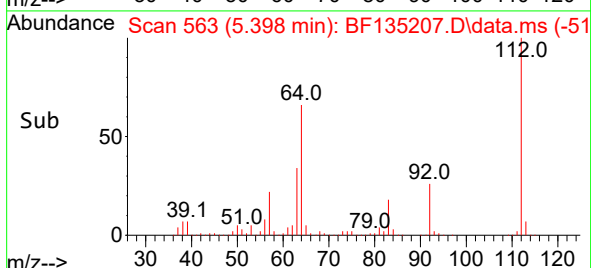
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

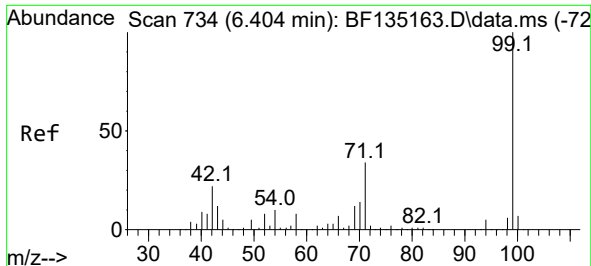


#5
2-Fluorophenol
Concen: 87.641 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32



Tgt Ion:112 Resp: 595965
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 33.8 29.0 43.6





#7

Phenol-d6

Concen: 92.369 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

Tgt Ion: 99 Resp: 79868

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

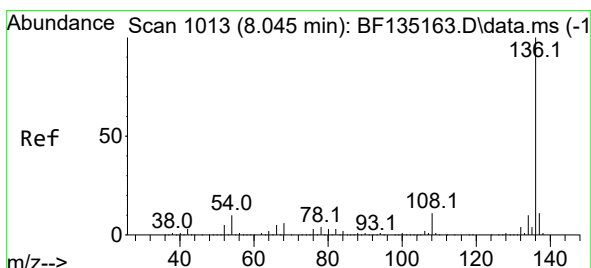
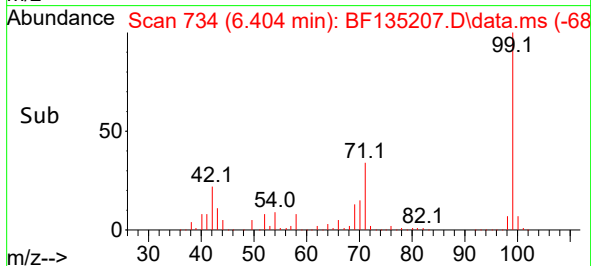
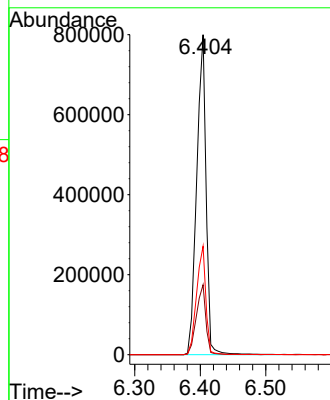
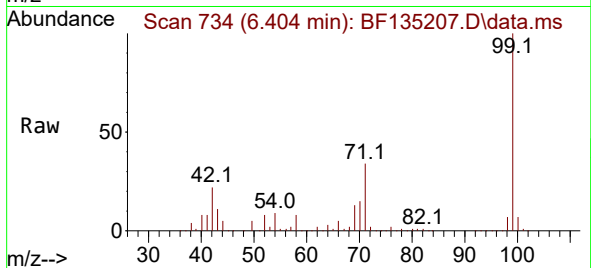
71 33.9 27.0 40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Tgt Ion:136 Resp: 435127

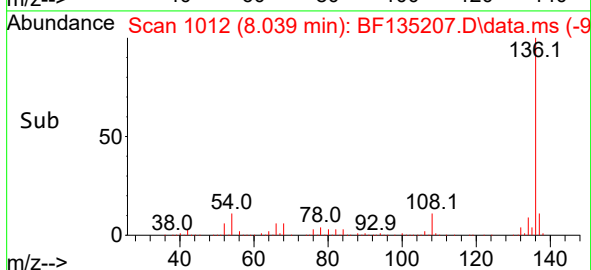
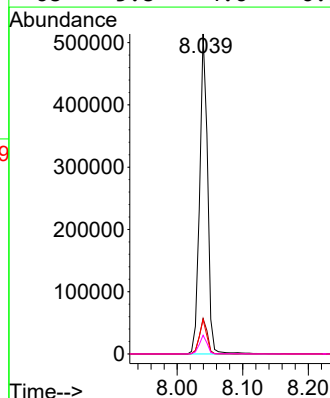
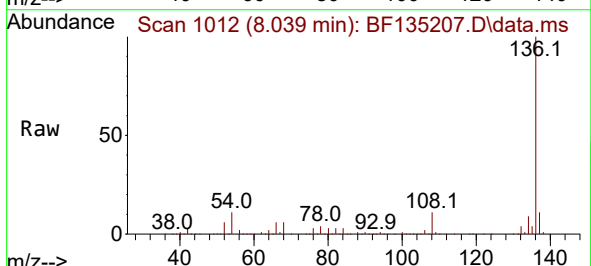
Ion Ratio Lower Upper

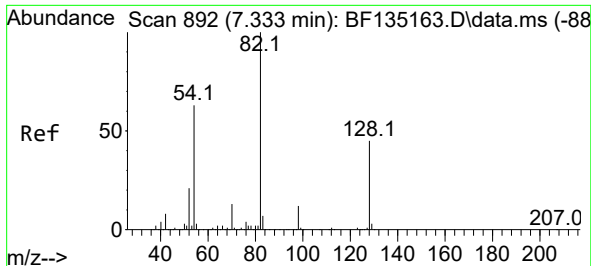
136 100

137 11.1 8.8 13.2

54 10.7 7.7 11.5

68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 60.827 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 48716

Ion Ratio Lower Upper

82 100

128 44.6 35.8 53.6

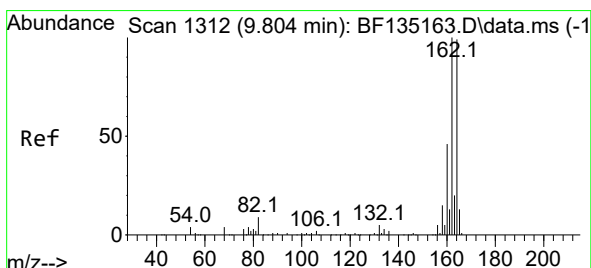
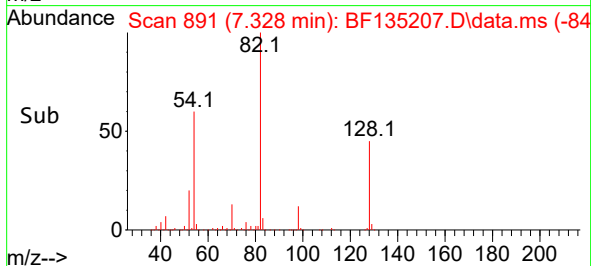
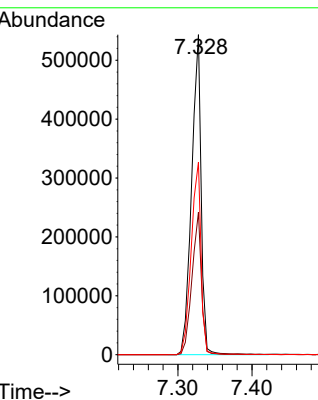
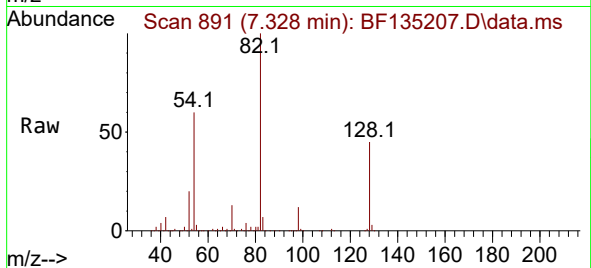
54 60.2 50.6 76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

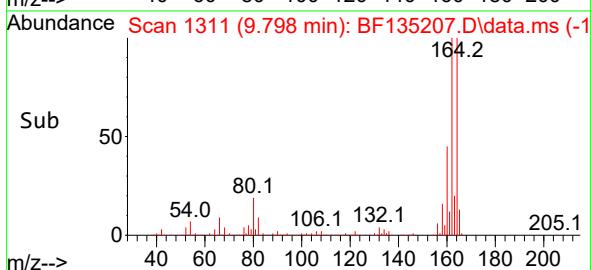
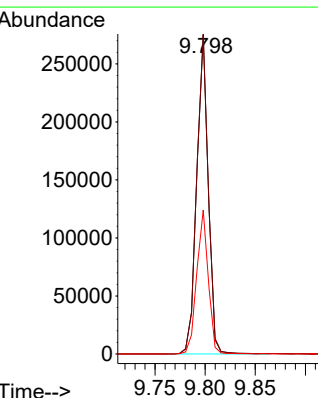
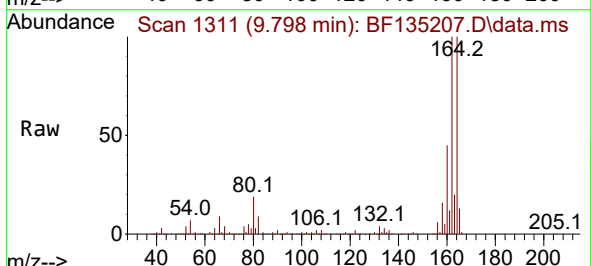
Tgt Ion:164 Resp: 220716

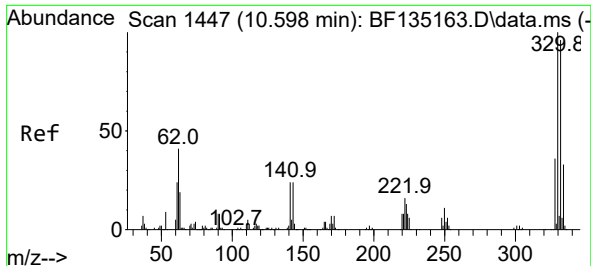
Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

160 45.1 37.0 55.4





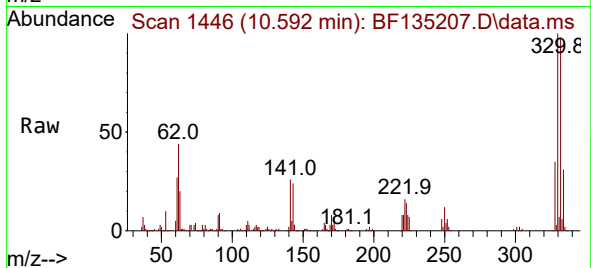
#42
2,4,6-Tribromophenol
Concen: 90.820 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

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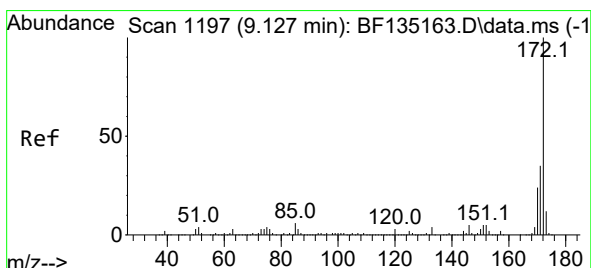
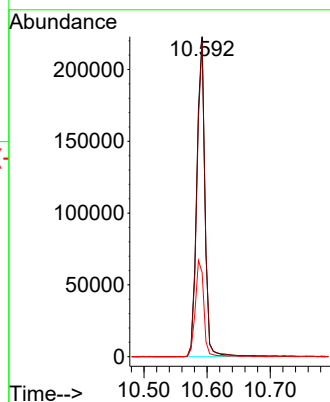
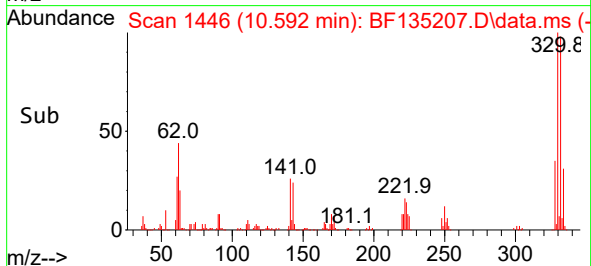
Tgt Ion:330 Resp: 199204
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 31.6 25.8 38.8

Manual Integrations

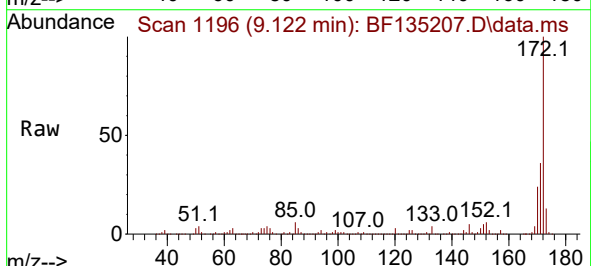
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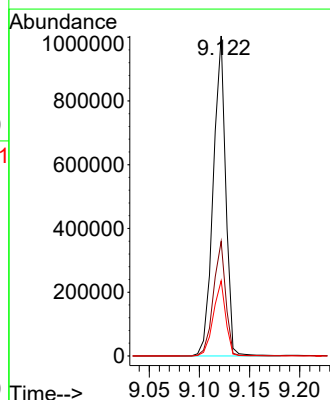
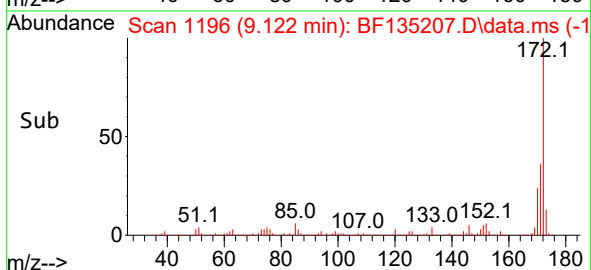
Supervised By :mohammad ahmed 09/14/2023

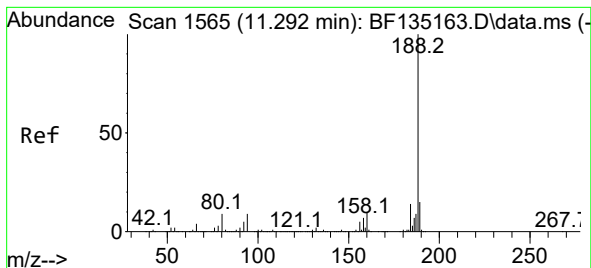


#45
2-Fluorobiphenyl
Concen: 59.519 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32



Tgt Ion:172 Resp: 870723
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.5 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

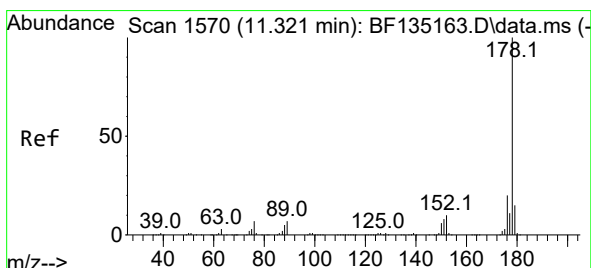
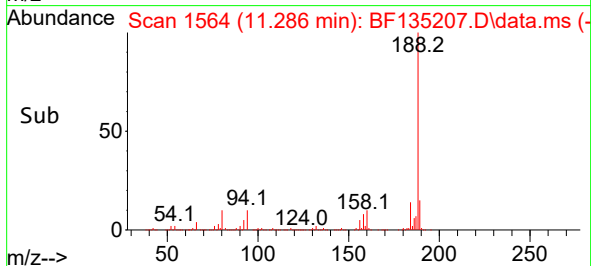
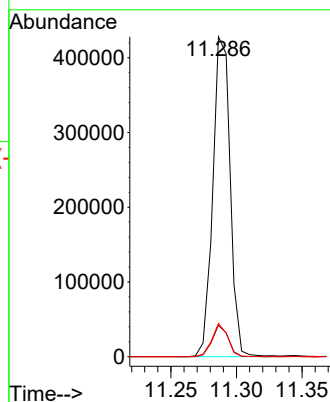
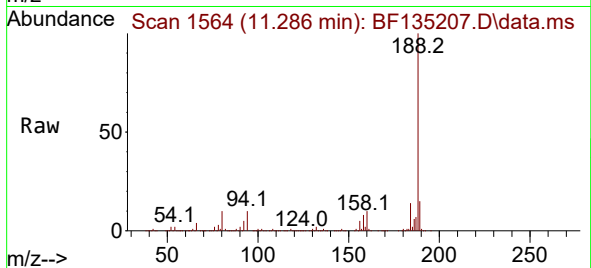
Tgt Ion:188	Resp:	394064
Ion Ratio	Lower	Upper
188	100	
94	9.8	7.0 10.6
80	10.4	7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#71

Phenanthrene

Concen: 4.477 ng

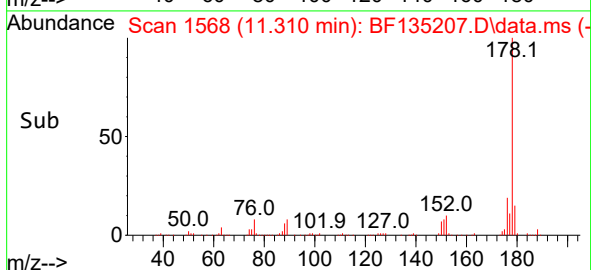
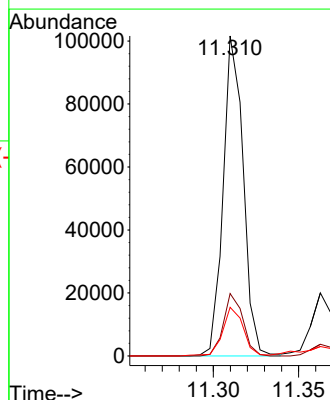
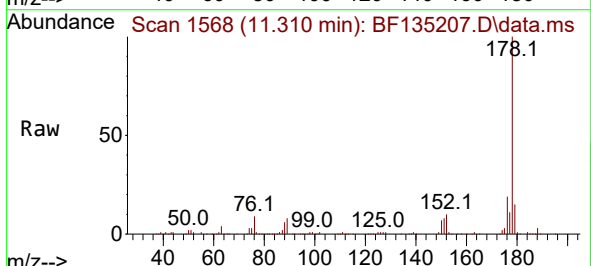
RT: 11.310 min Scan# 1568

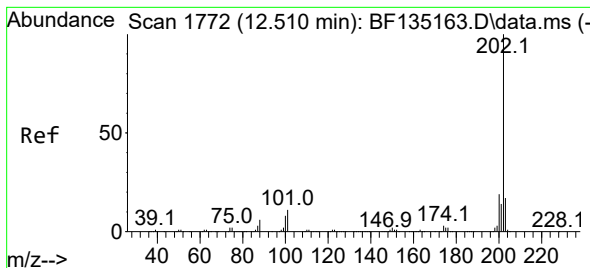
Delta R.T. -0.012 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

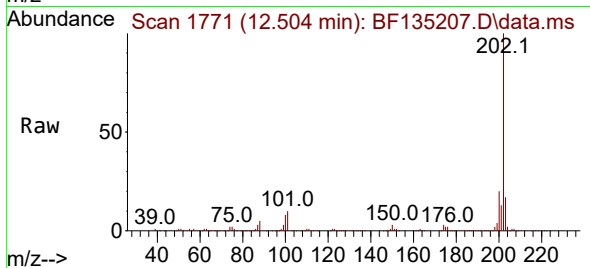
Tgt Ion:178	Resp:	83446
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.6 23.4
179	15.2	12.0 18.0





#75
Fluoranthene
Concen: 6.206 ng
RT: 12.504 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

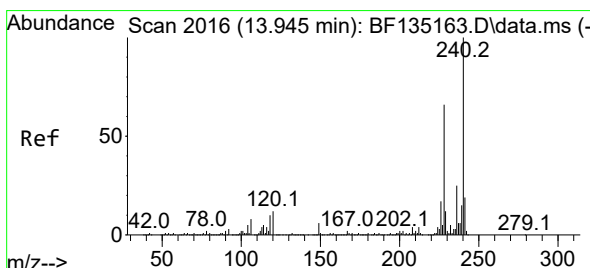
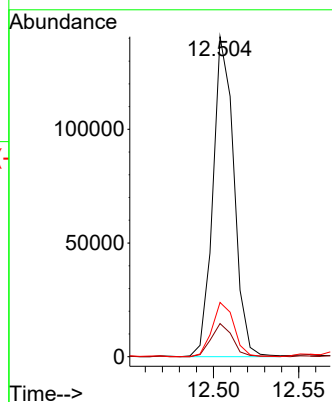
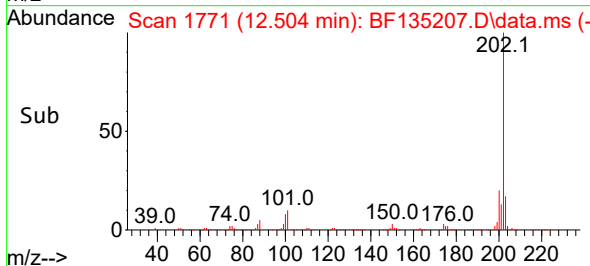
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 120529
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.3
203 16.9 0.0 37.4

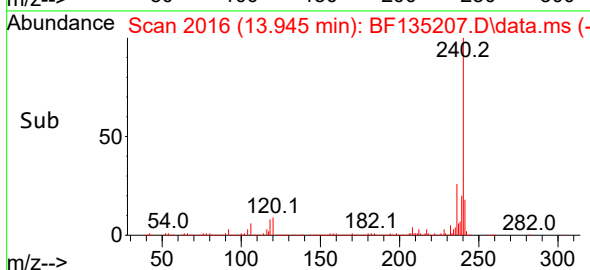
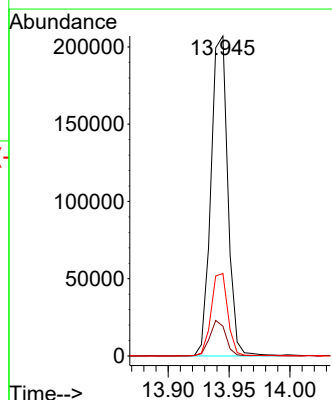
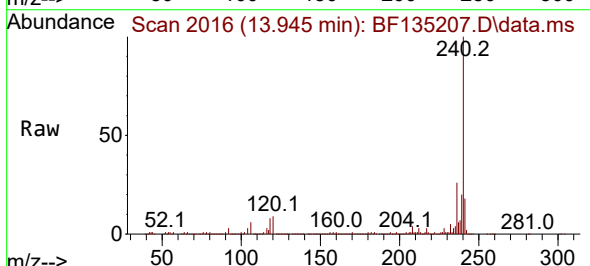
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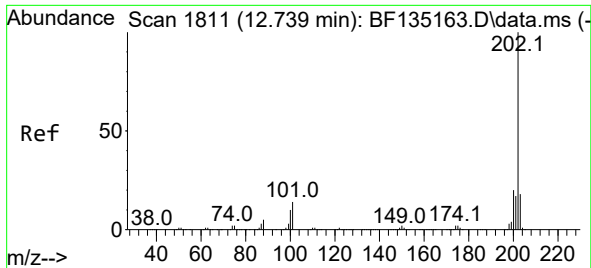
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

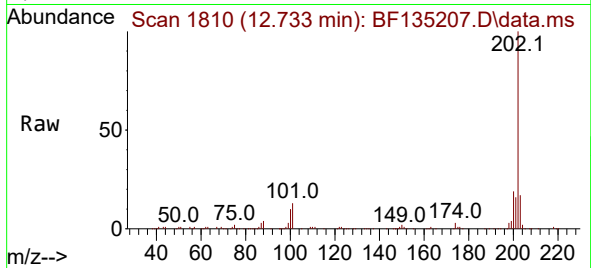
Tgt Ion:240 Resp: 199446
Ion Ratio Lower Upper
240 100
120 9.3 9.4 14.2#
236 25.7 19.8 29.8





#78
Pyrene
Concen: 5.068 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

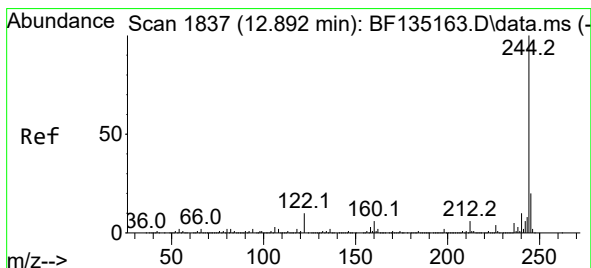
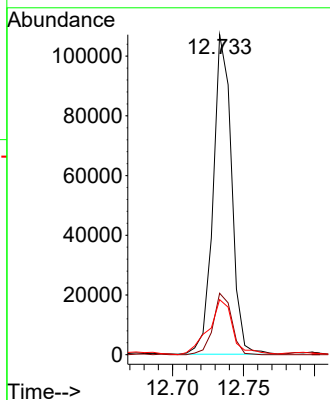
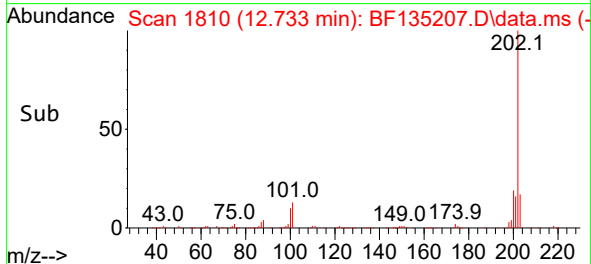
Instrument :
BNA_F
ClientSampleId :
TRENCH-A



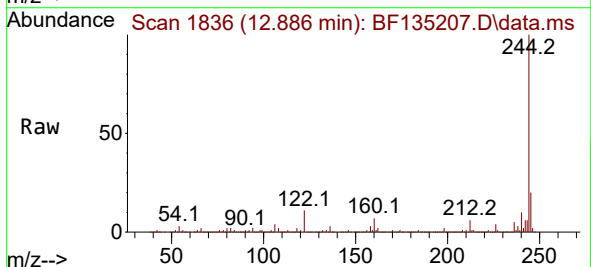
Tgt Ion:202 Resp: 96240
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 17.2 14.2 21.4

Manual Integrations
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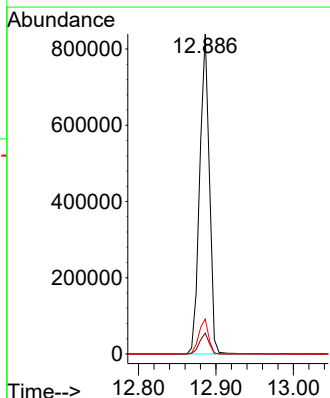
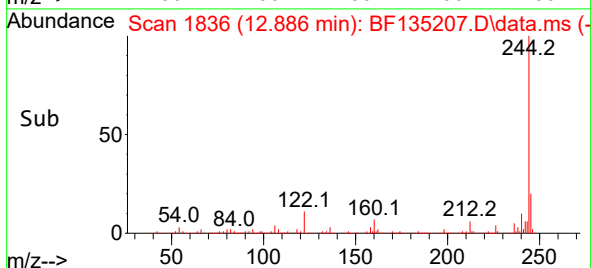
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

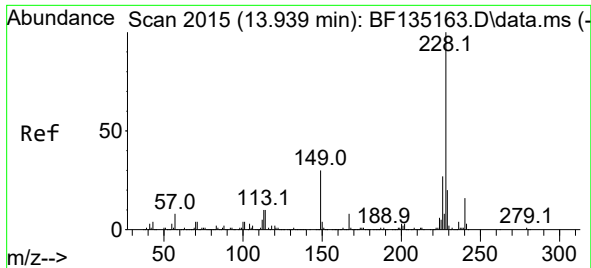


#79
Terphenyl-d14
Concen: 56.557 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32



Tgt Ion:244 Resp: 727656
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.9 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.328 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

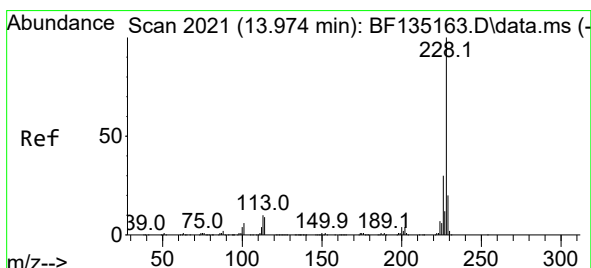
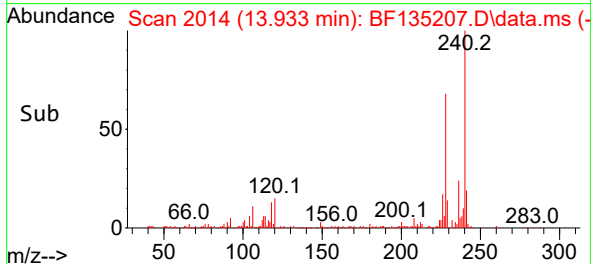
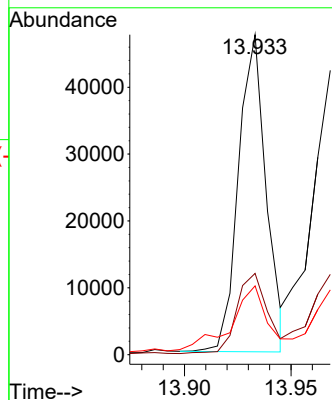
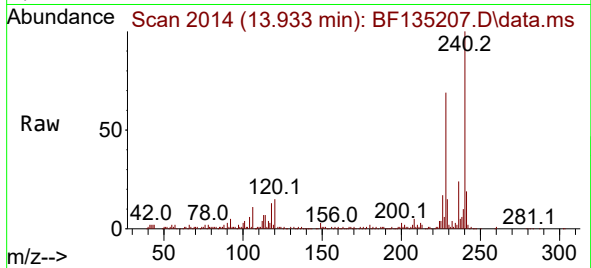
TRENCH-A

Tgt Ion:228 Resp: 4286
Ion Ratio Lower Upper
228 100
226 25.4 21.7 32.5
229 21.5 15.8 23.8

Manual Integrations

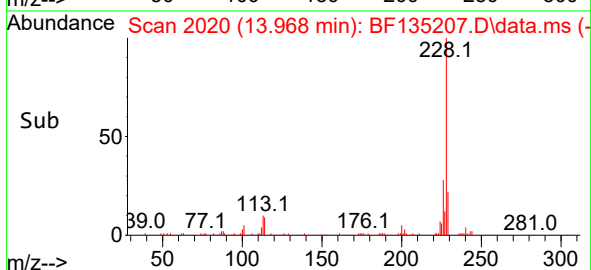
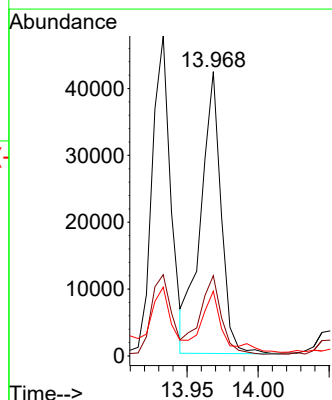
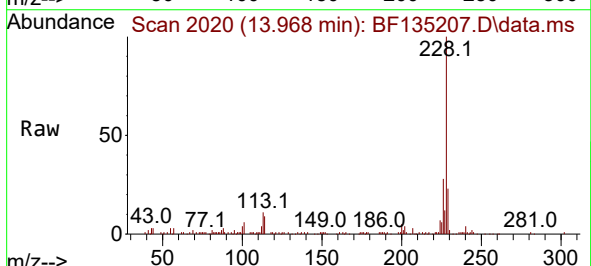
APPROVED

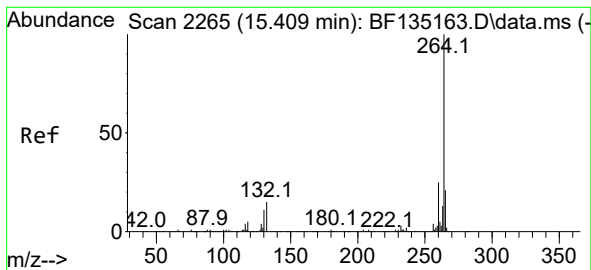
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#83
Chrysene
Concen: 3.306 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:228 Resp: 42336
Ion Ratio Lower Upper
228 100
226 28.2 24.3 36.5
229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

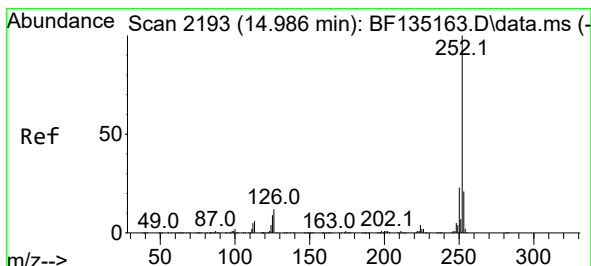
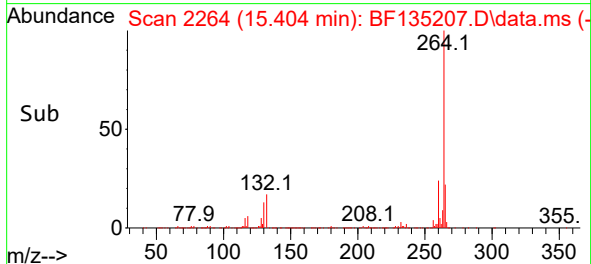
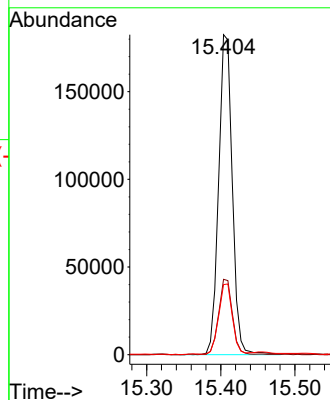
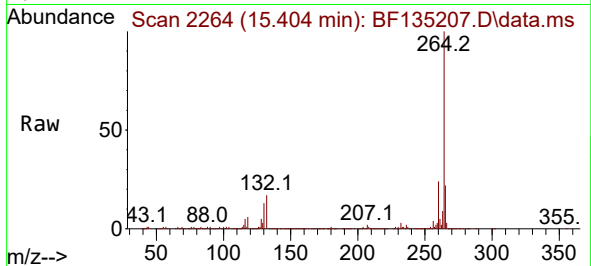
Tgt Ion:264	Resp:	23424
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.8 29.6
265	21.9	17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#88

Benzo(b)fluoranthene

Concen: 3.938 ng m

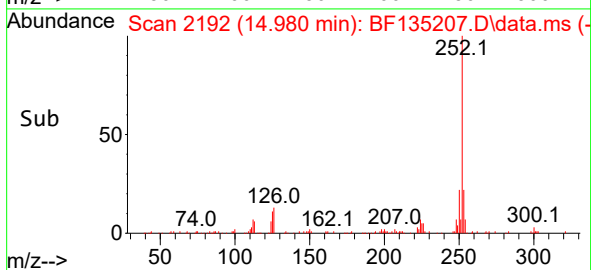
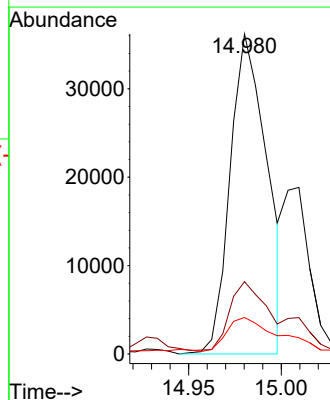
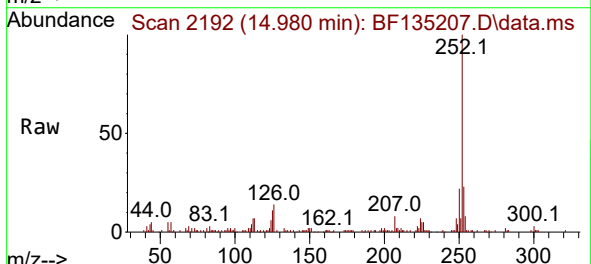
RT: 14.980 min Scan# 2192

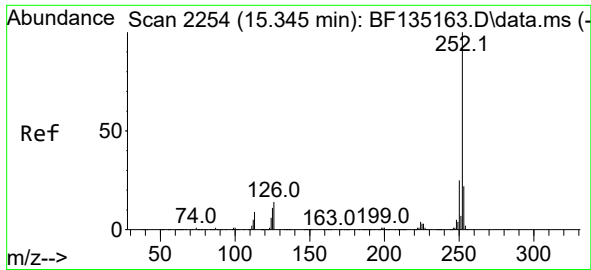
Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

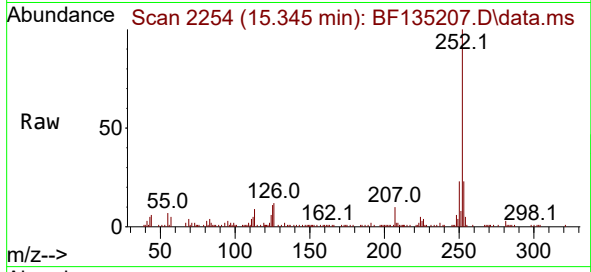
Tgt Ion:252	Resp:	49941
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.2 25.8
125	11.4	7.1 10.7#





#90
Benzo(a)pyrene
Concen: 2.921 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Instrument :
BNA_F
ClientSampleId :
TRENCH-A



Tgt Ion:252 Resp: 3532
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.0 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

