

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100824\
 Data File : BF139709.D
 Acq On : 08 Oct 2024 13:37
 Operator : RC/JU
 Sample : P4288-03RE 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-100324RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/10/2024

Quant Time: Oct 08 14:03:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	83248	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	304553	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	150065	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	247400	20.000	ng	0.00
76) Chrysene-d12	14.027	240	175834	20.000	ng	0.00
86) Perylene-d12	15.504	264	139854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	244272	50.858	ng	0.00
7) Phenol-d6	6.492	99	314247	48.652	ng	-0.01
23) Nitrobenzene-d5	7.422	82	199505	33.167	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	61100	42.178	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	352632	36.075	ng	0.00
79) Terphenyl-d14	12.969	244	332646	31.042	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	56723	4.863	ng	98
75) Fluoranthene	12.598	202	101424	7.954	ng	99
78) Pyrene	12.827	202	106864	6.795	ng	97
81) Benzo(a)anthracene	14.015	228	45429	3.930	ng	# 91
83) Chrysene	14.051	228	42152	3.988	ng	# 92
88) Benzo(b)fluoranthene	15.074	252	44662m	4.939	ng	
89) Benzo(k)fluoranthene	15.086	252	18862m	2.459	ng	
90) Benzo(a)pyrene	15.439	252	30383	4.261	ng	# 82

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

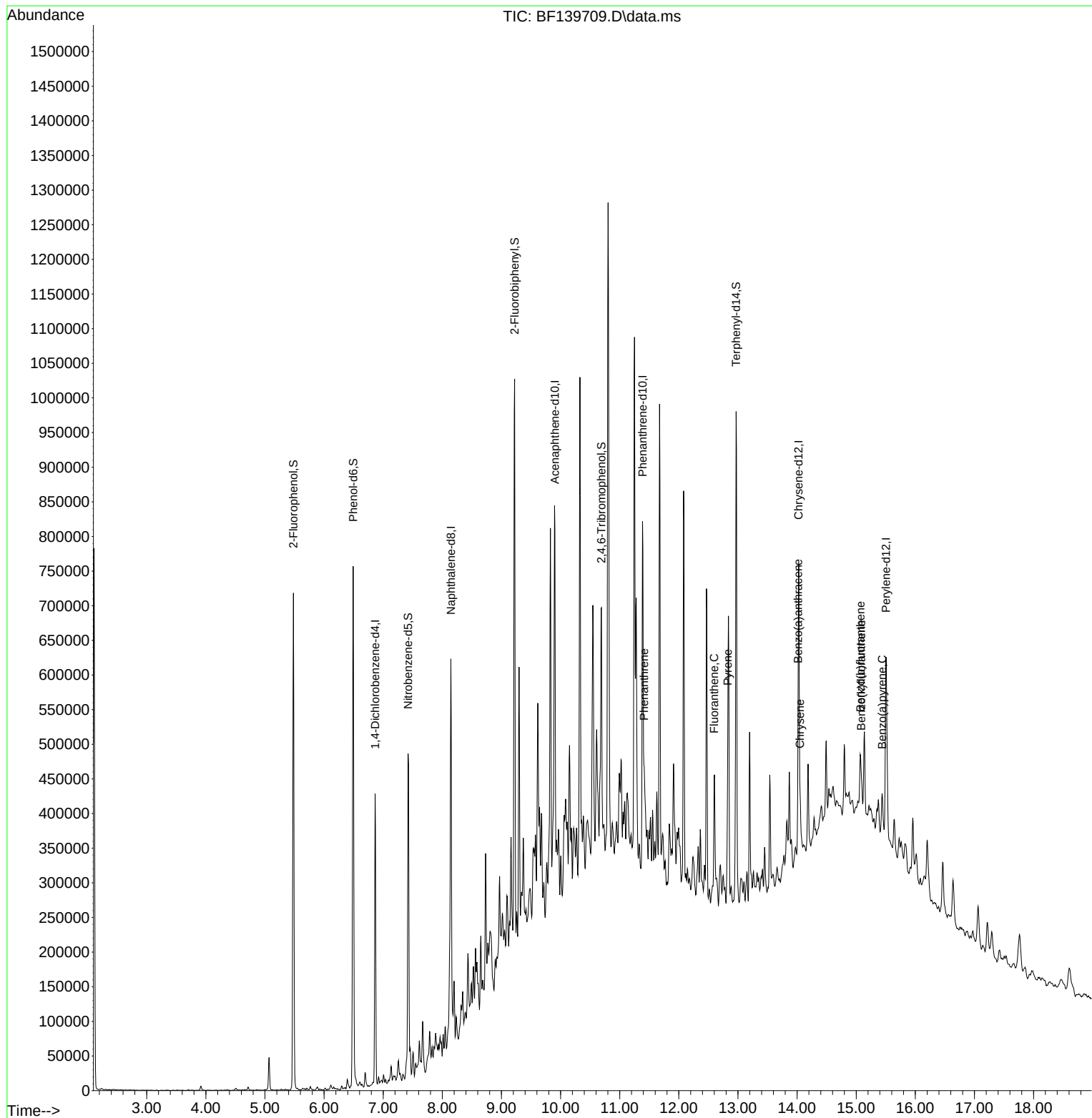
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100824\
Data File : BF139709.D
Acq On : 08 Oct 2024 13:37
Operator : RC/JU
Sample : P4288-03RE 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

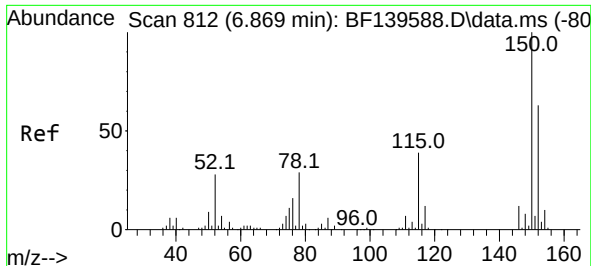
Instrument :
BNA_F
ClientSampleId :
HR-03-100324RE

Quant Time: Oct 08 14:03:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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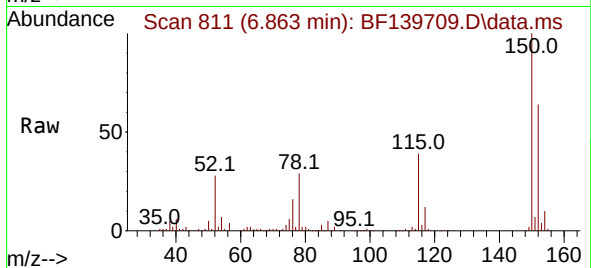
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE



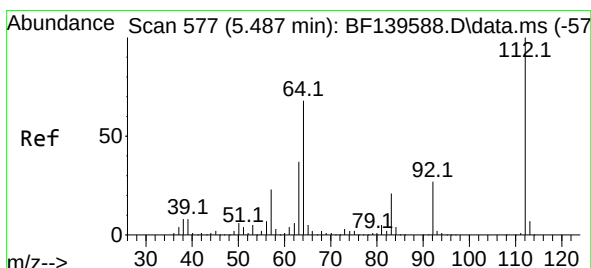
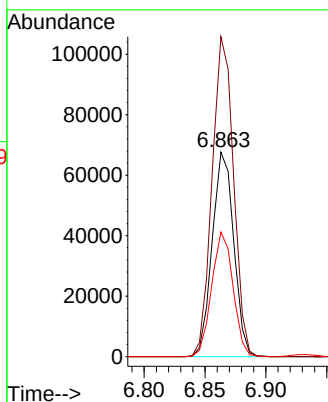
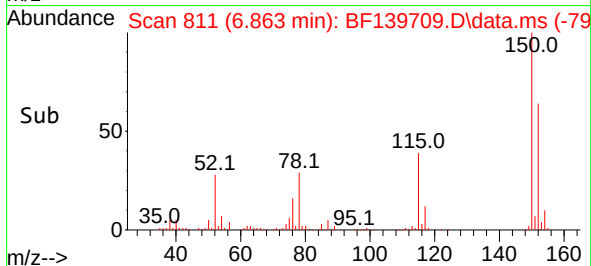
Tgt Ion:152 Resp: 83248
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 60.9 49.0 73.4

Manual Integrations

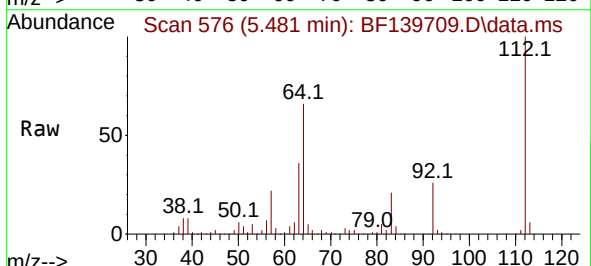
APPROVED

Reviewed By :Yogesh Patel 10/10/2024

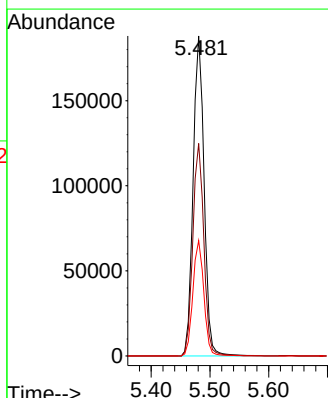
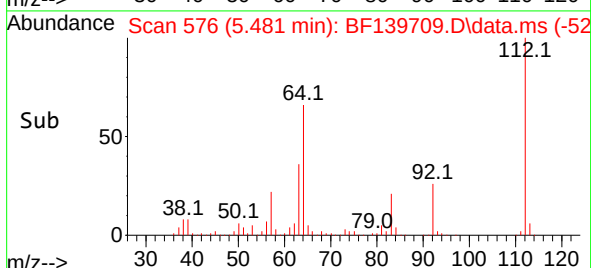
Supervised By :mohammad ahmed 10/10/2024

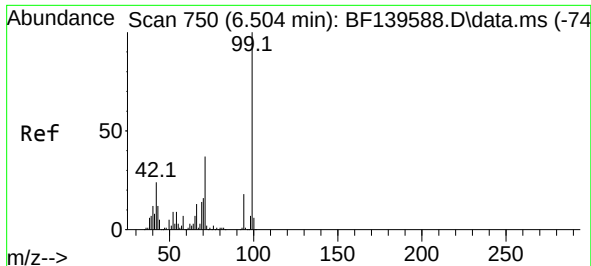


#5
2-Fluorophenol
Concen: 50.858 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37



Tgt Ion:112 Resp: 244272
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.0 29.4 44.2





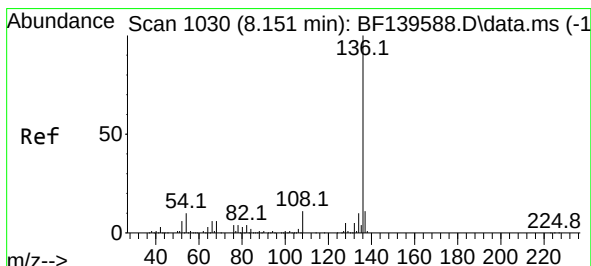
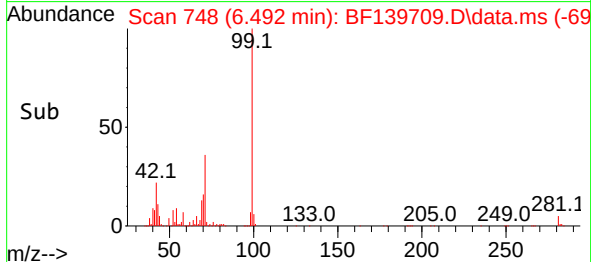
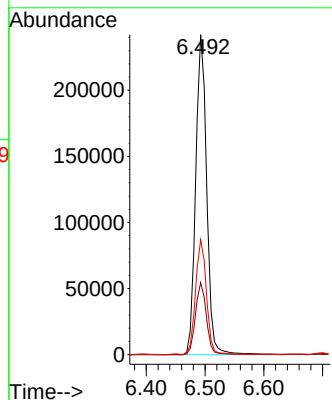
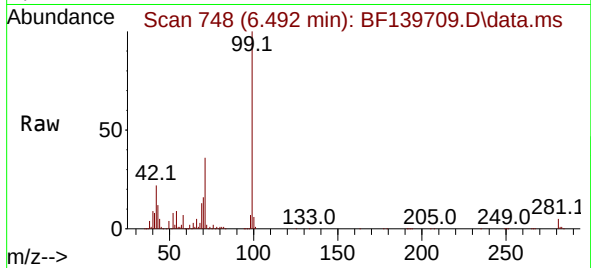
#7
Phenol-d6
Concen: 48.652 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :
BNA_F
ClientSampleId :
HR-03-100324RE

Tgt Ion: 99 Resp: 31424
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 36.0 29.7 44.5

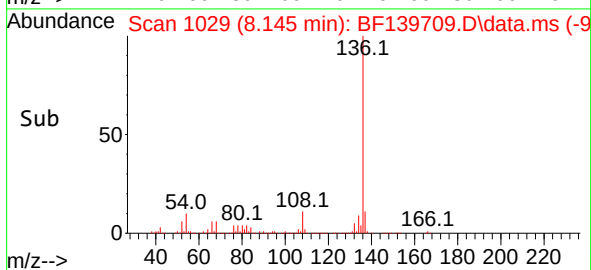
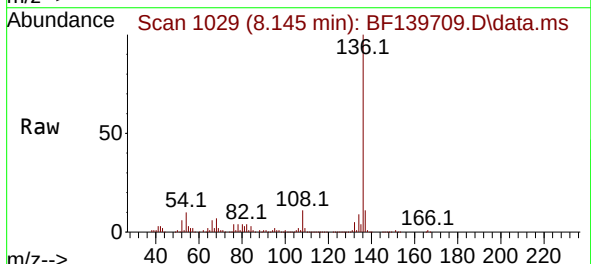
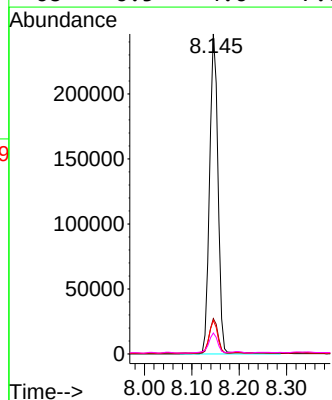
Manual Integrations
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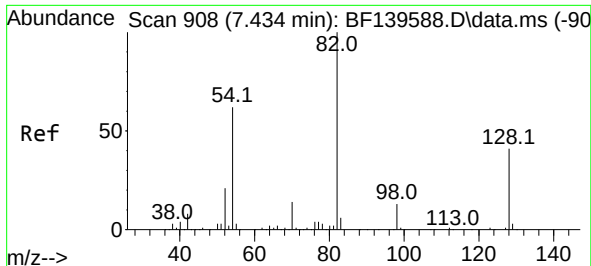
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Tgt Ion:136 Resp: 304553
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.4 8.3 12.5
68 6.5 4.6 7.0





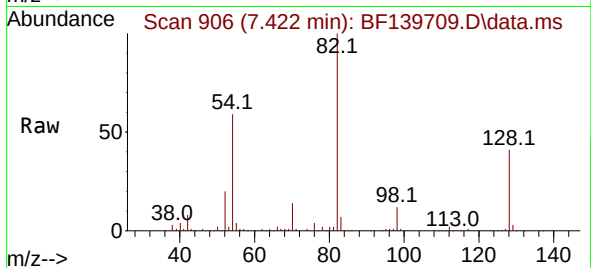
#23
Nitrobenzene-d5
Concen: 33.167 ng
RT: 7.422 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE



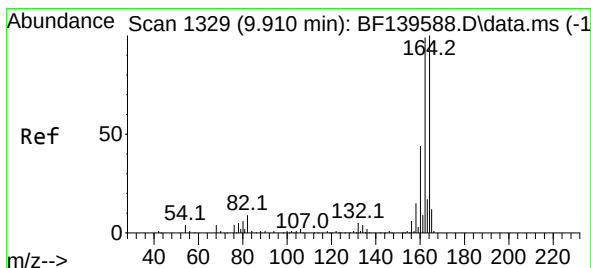
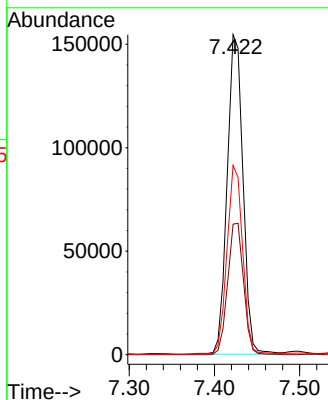
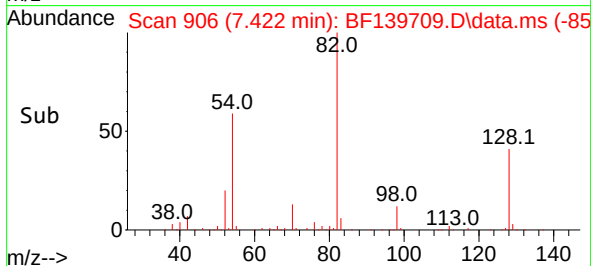
Tgt Ion: 82 Resp: 19950
Ion Ratio Lower Upper
82 100
128 40.8 32.4 48.6
54 59.2 49.1 73.7

Manual Integrations

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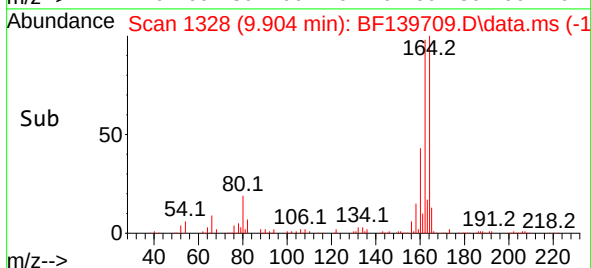
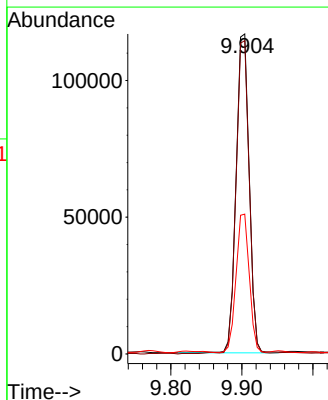
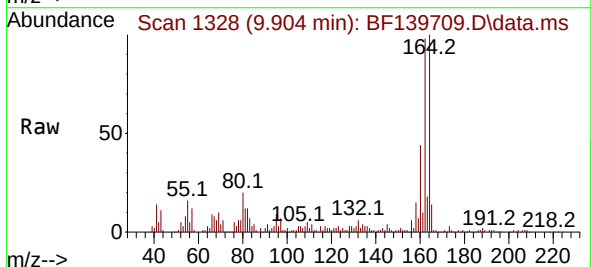
Reviewed By :Yogesh Patel 10/10/2024

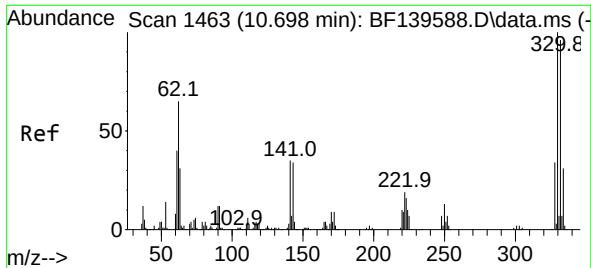
Supervised By :mohammad ahmed 10/10/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Tgt Ion:164 Resp: 150065
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.7 35.1 52.7





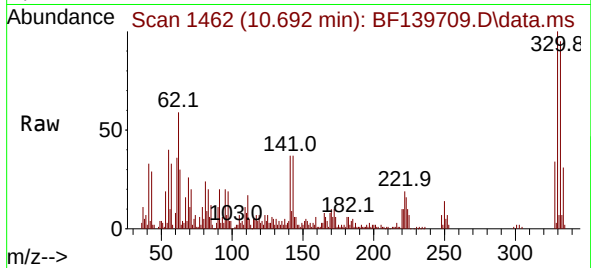
#42
2,4,6-Tribromophenol
Concen: 42.178 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE



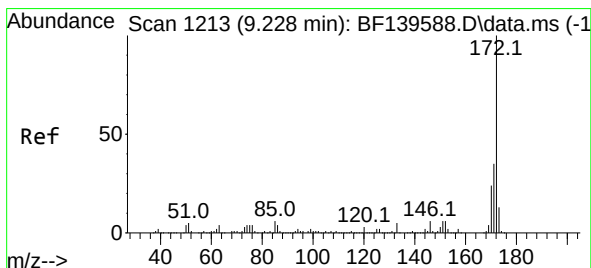
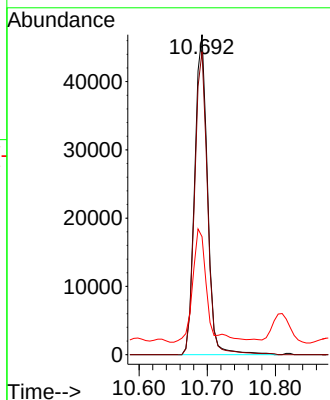
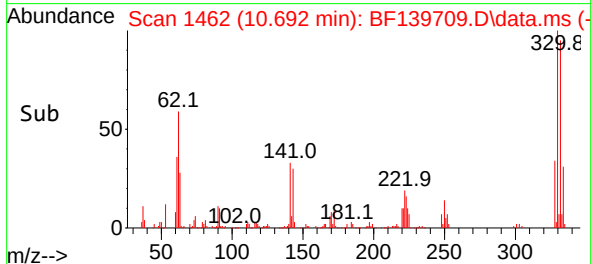
Tgt Ion: 330 Resp: 61100
Ion Ratio Lower Upper
330 100
332 94.6 76.5 114.7
141 39.0 29.3 43.9

Manual Integrations

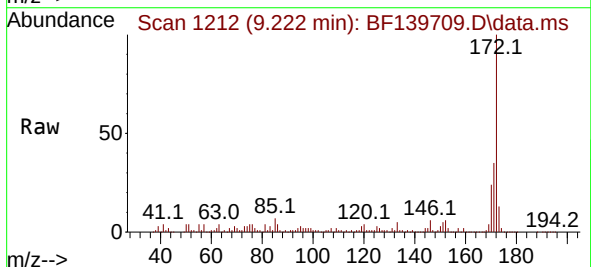
APPROVED

Reviewed By : Yogesh Patel 10/10/2024

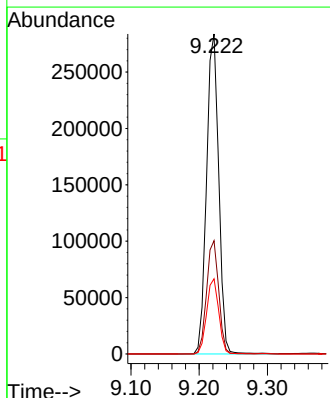
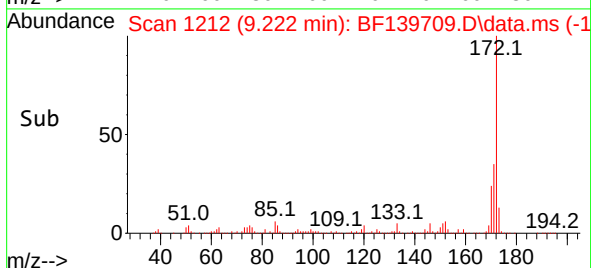
Supervised By : mohammad ahmed 10/10/2024

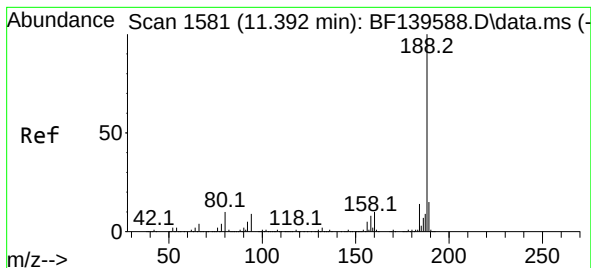


#45
2-Fluorobiphenyl
Concen: 36.075 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37



Tgt Ion: 172 Resp: 352632
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139709.D

Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE

Tgt Ion:188 Resp: 247400

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

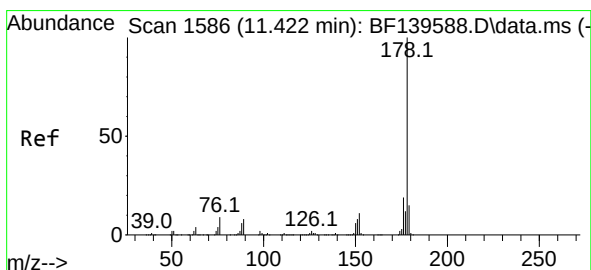
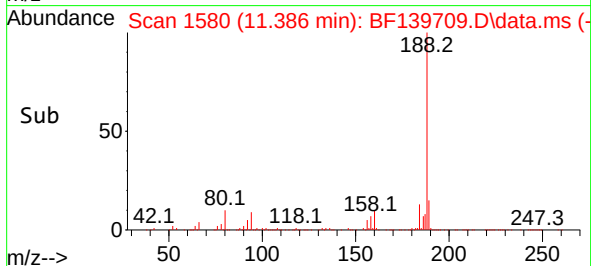
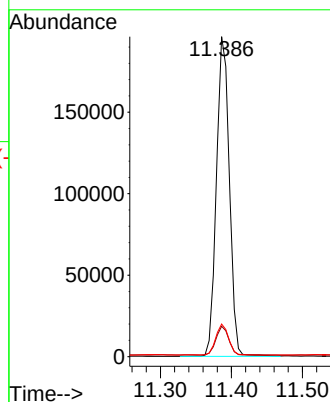
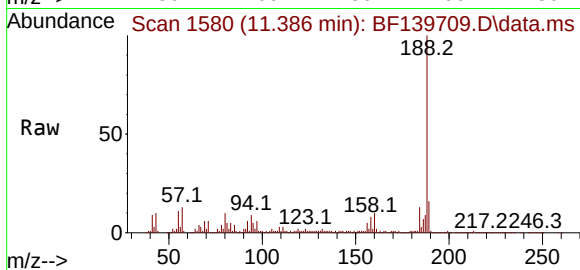
80 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#71

Phenanthrene

Concen: 4.863 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139709.D

Acq: 08 Oct 2024 13:37

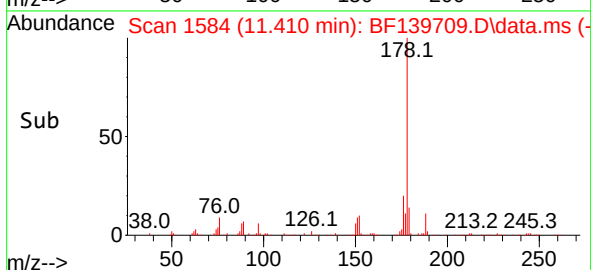
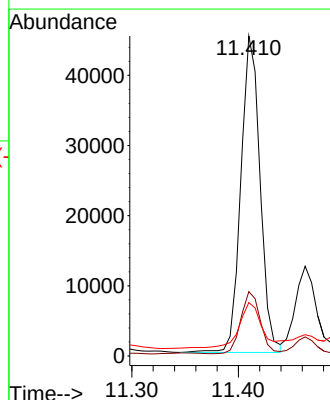
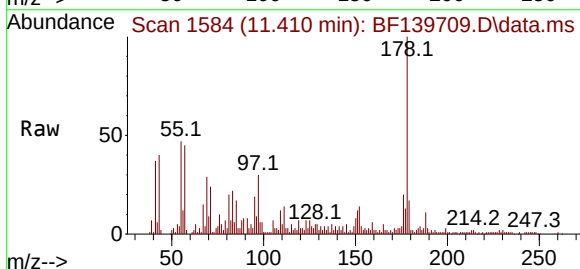
Tgt Ion:178 Resp: 56723

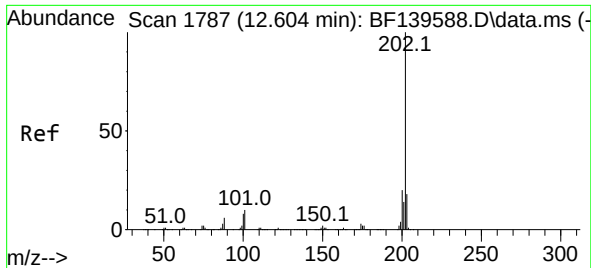
Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

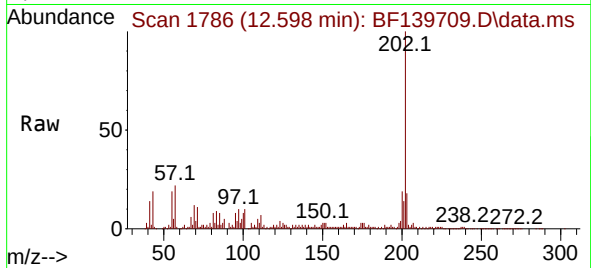
179 16.7 12.3 18.5





#75
Fluoranthene
Concen: 7.954 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

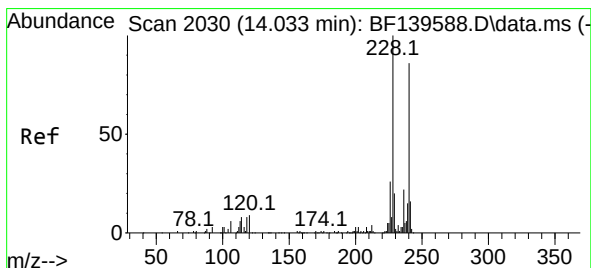
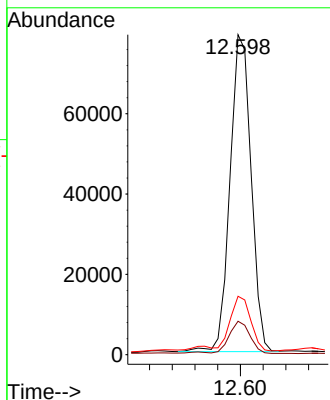
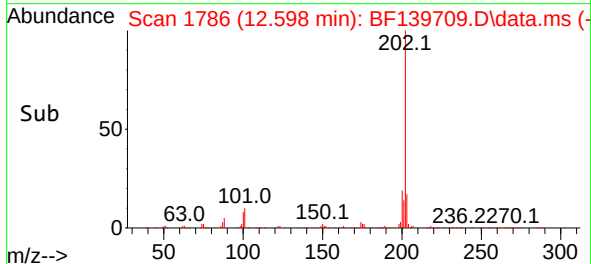
Instrument :
BNA_F
ClientSampleId :
HR-03-100324RE



Tgt Ion:202 Resp: 101424
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 18.2 0.0 37.7

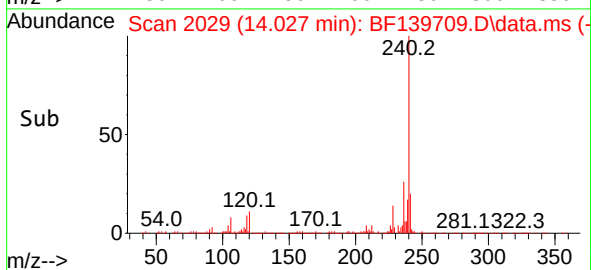
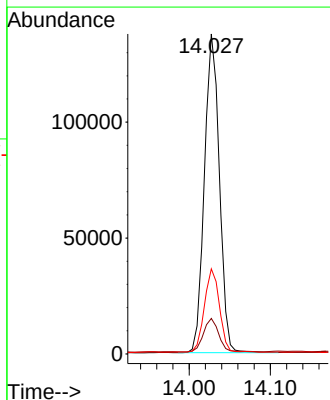
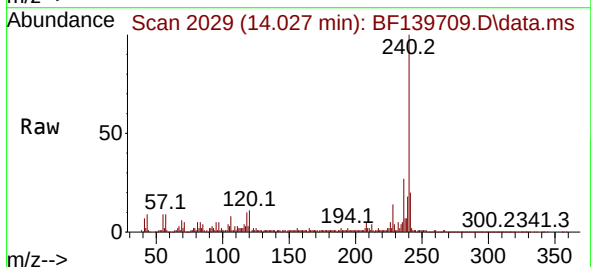
Manual Integrations
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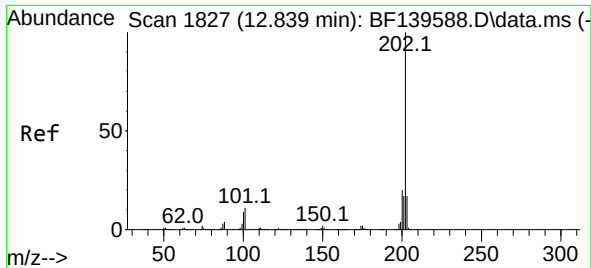
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

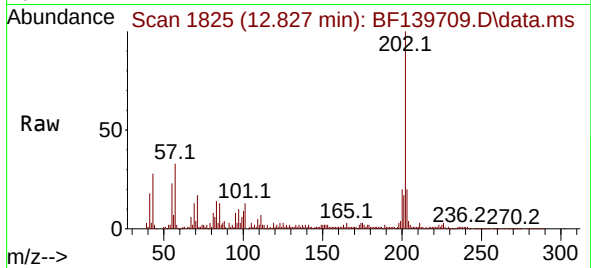
Tgt Ion:240 Resp: 175834
Ion Ratio Lower Upper
240 100
120 11.1 8.4 12.6
236 26.6 20.3 30.5





#78
Pyrene
Concen: 6.795 ng
RT: 12.827 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

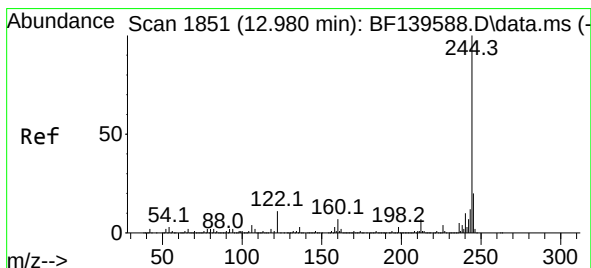
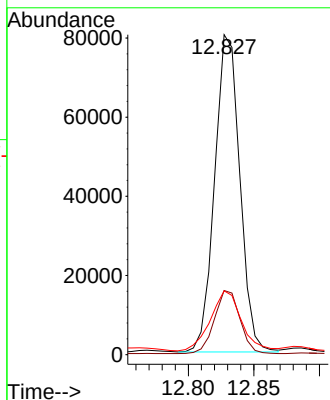
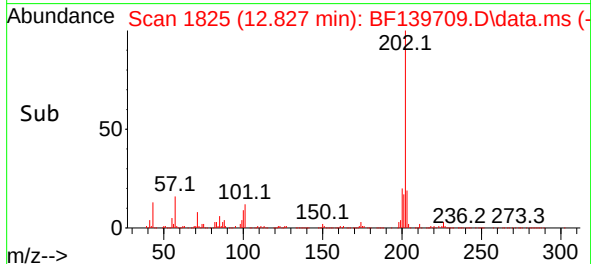
Instrument :
BNA_F
ClientSampleId :
HR-03-100324RE



Tgt Ion:202 Resp: 106864
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.6
203 20.0 13.8 20.8

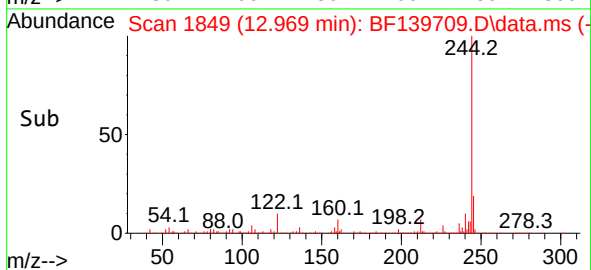
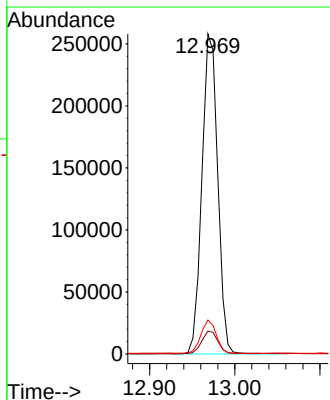
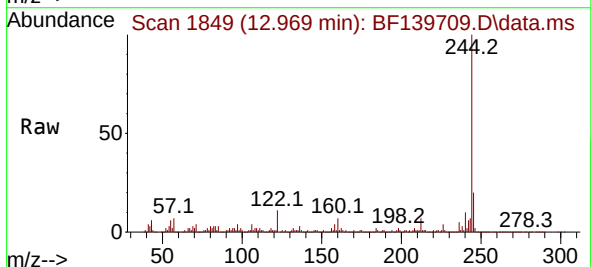
Manual Integrations
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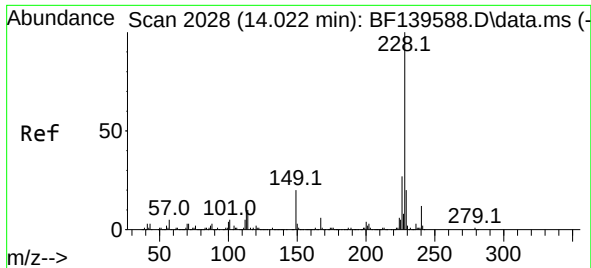
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#79
Terphenyl-d14
Concen: 31.042 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Tgt Ion:244 Resp: 332646
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.6 8.6 12.8





#81
Benzo(a)anthracene
Concen: 3.930 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

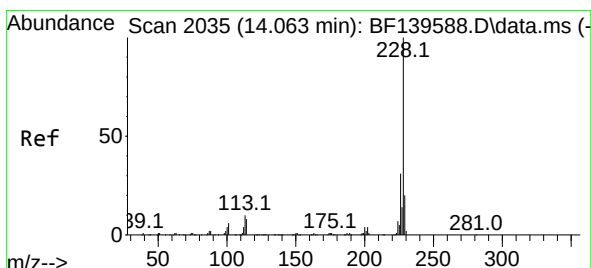
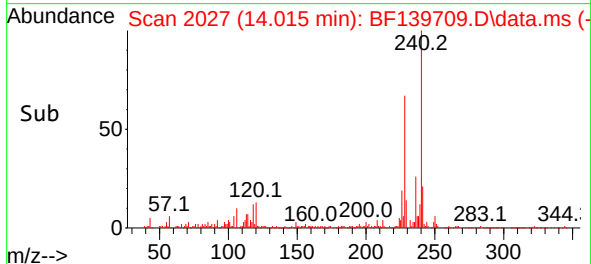
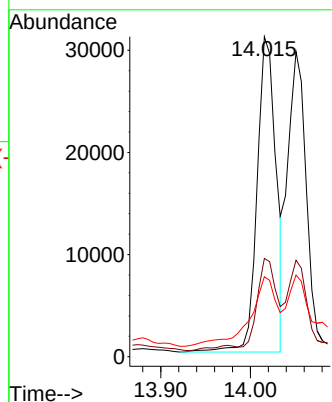
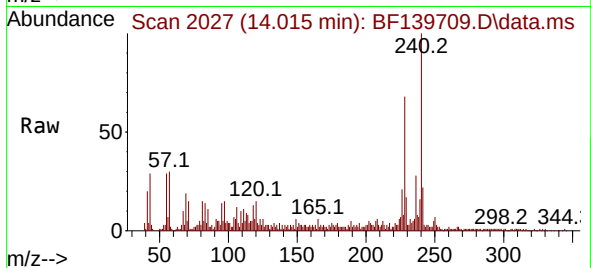
HR-03-100324RE

Tgt Ion:228 Resp: 45429
Ion Ratio Lower Upper
228 100
226 30.7 21.8 32.8
229 25.0 15.8 23.8

Manual Integrations

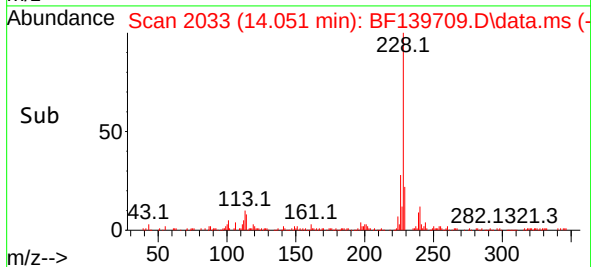
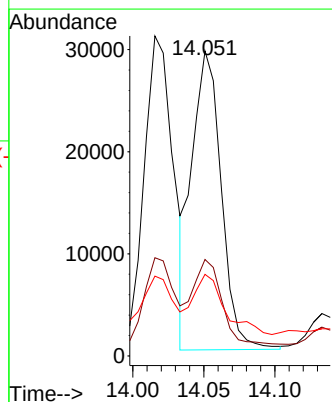
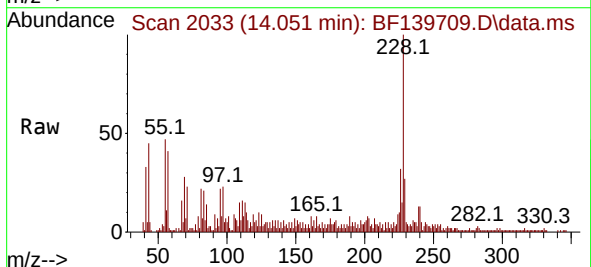
APPROVED

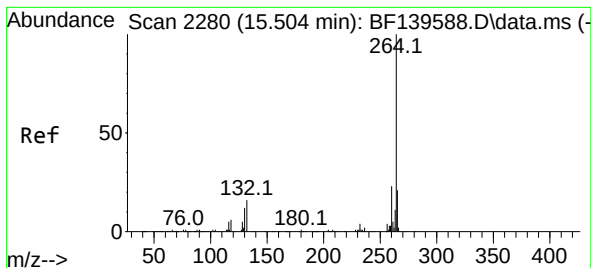
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#83
Chrysene
Concen: 3.988 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Tgt Ion:228 Resp: 42152
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 26.7 15.7 23.5





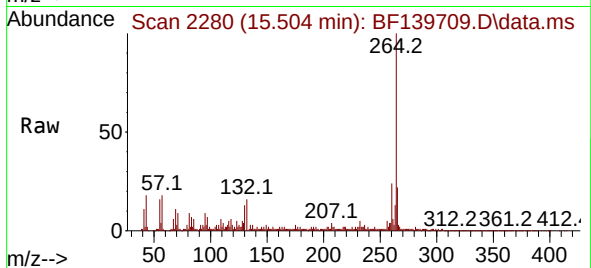
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE



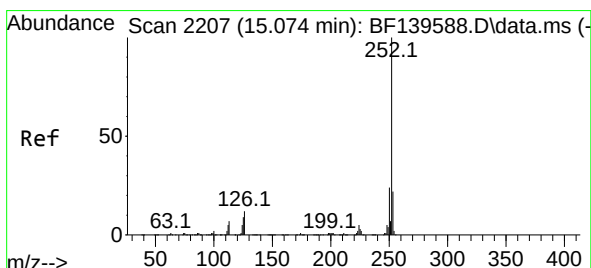
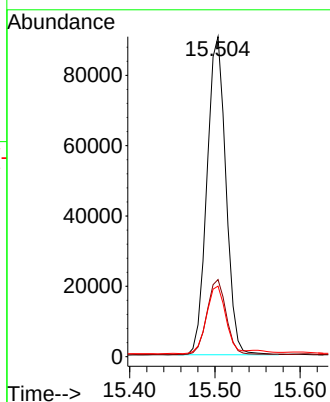
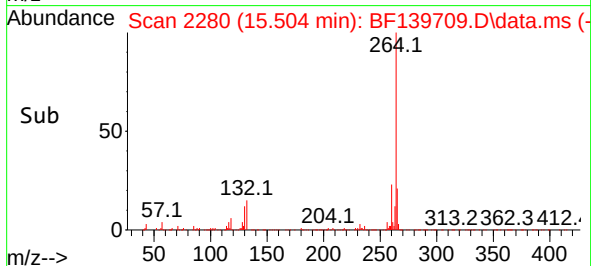
Tgt Ion:264 Resp: 139854
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.1 16.9 25.3

Manual Integrations

APPROVED

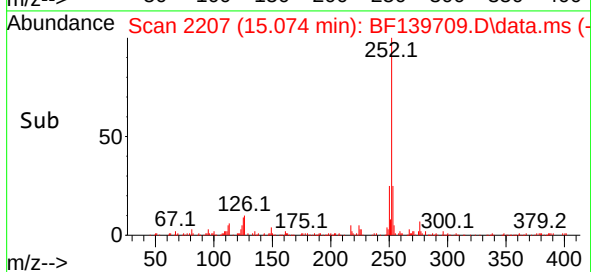
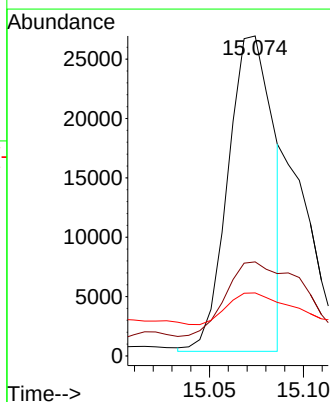
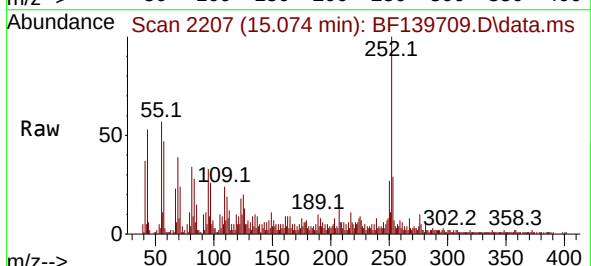
Reviewed By :Yogesh Patel 10/10/2024

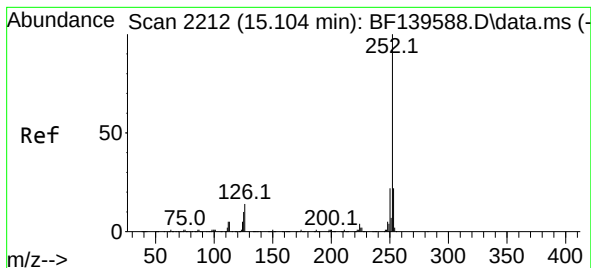
Supervised By :mohammad ahmed 10/10/2024



#88
Benzo(b)fluoranthene
Concen: 4.939 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BF139709.D
Acq: 08 Oct 2024 13:37

Tgt Ion:252 Resp: 44662
Ion Ratio Lower Upper
252 100
253 29.4 17.4 26.0#
125 19.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.459 ng m

RT: 15.086 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139709.D

Acq: 08 Oct 2024 13:37

Instrument :

BNA_F

ClientSampleId :

HR-03-100324RE

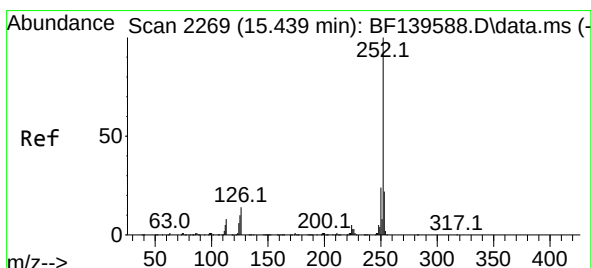
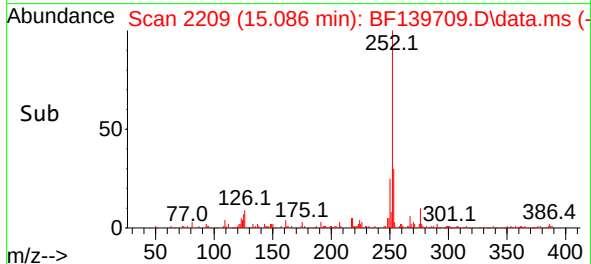
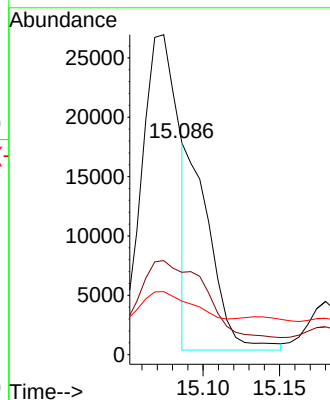
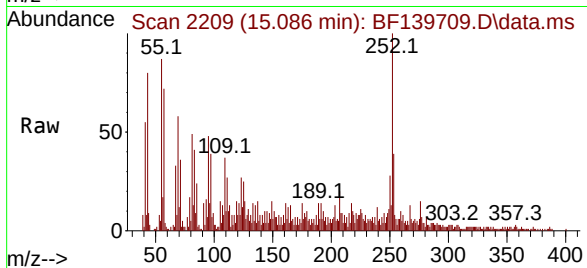
Tgt Ion:252 Resp: 18862
 Ion Ratio Lower Upper
 252 100
 253 38.9 17.5 26.3#
 125 25.3 7.6 11.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#90

Benzo(a)pyrene

Concen: 4.261 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF139709.D

Acq: 08 Oct 2024 13:37

Tgt Ion:252 Resp: 30383
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.3 25.9#
 125 21.1 8.3 12.5#

