

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139725.D
 Acq On : 09 Oct 2024 16:31
 Operator : RC/JU
 Sample : P4344-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-100724

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 17:50:48 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	87429	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	320420	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	166027	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	257149	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174097	20.000	ng	0.00
86) Perylene-d12	15.504	264	181743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	204758	40.592	ng	0.00
7) Phenol-d6	6.493	99	273111	40.262	ng	-0.01
23) Nitrobenzene-d5	7.422	82	178781	28.250	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	53663	33.482	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	337851	31.240	ng	0.00
79) Terphenyl-d14	12.969	244	261856	24.679	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	60410	4.982	ng	99
75) Fluoranthene	12.598	202	169605	12.796	ng	98
78) Pyrene	12.827	202	170100	10.924	ng	97
81) Benzo(a)anthracene	14.016	228	109963	9.607	ng	95
83) Chrysene	14.051	228	100246	9.579	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	42158	3.941	ng	97
88) Benzo(b)fluoranthene	15.074	252	139724m	11.890	ng	
89) Benzo(k)fluoranthene	15.092	252	38510m	3.863	ng	
90) Benzo(a)pyrene	15.439	252	95615	10.319	ng	95
92) Benzo(g,h,i)perylene	17.421	276	40277	4.527	ng	94

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

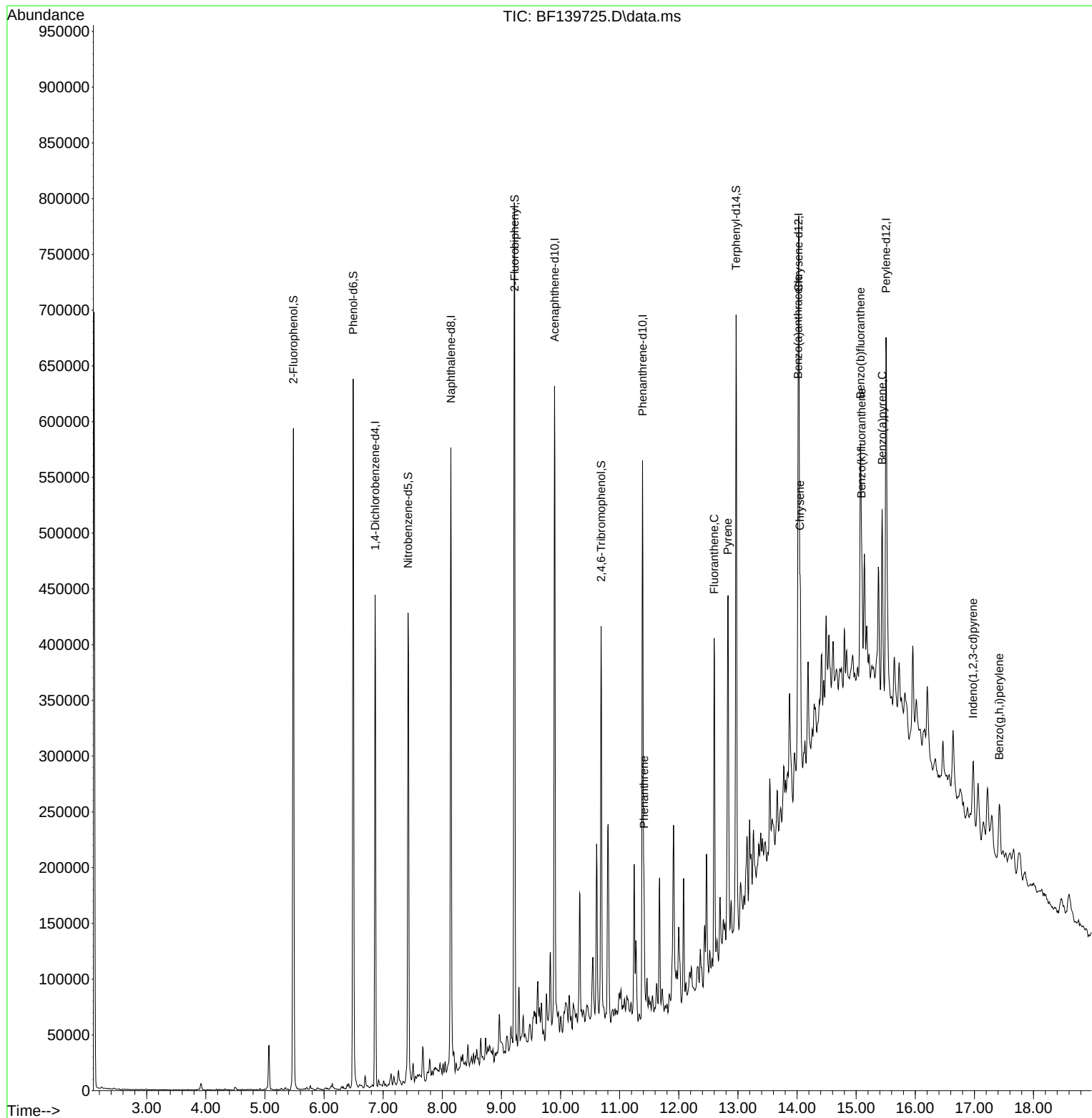
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
Data File : BF139725.D
Acq On : 09 Oct 2024 16:31
Operator : RC/JU
Sample : P4344-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

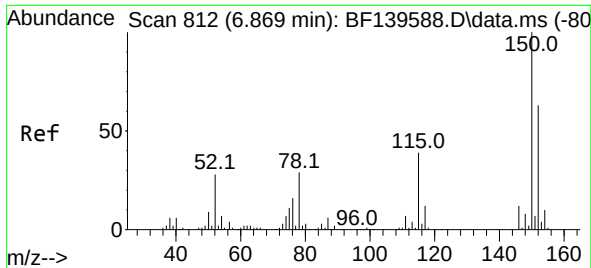
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

Quant Time: Oct 09 17:50:48 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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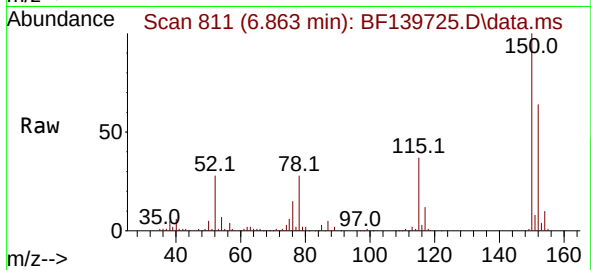
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724



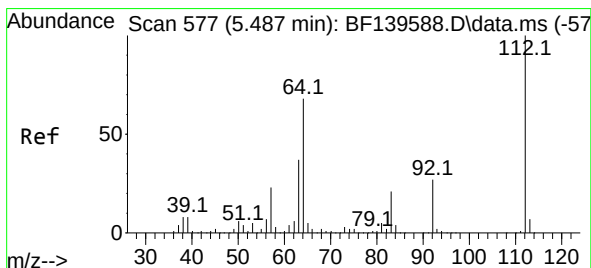
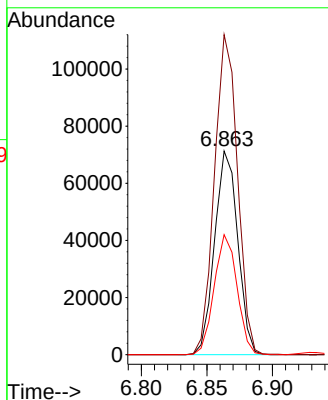
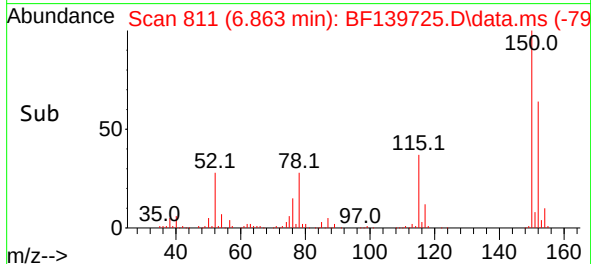
Tgt Ion:152 Resp: 87429
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 58.9 49.0 73.4

Manual Integrations

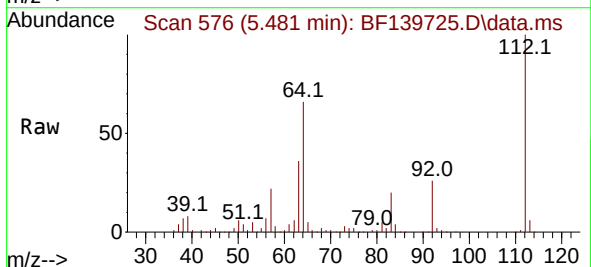
APPROVED

Reviewed By :Yogesh Patel 10/10/2024

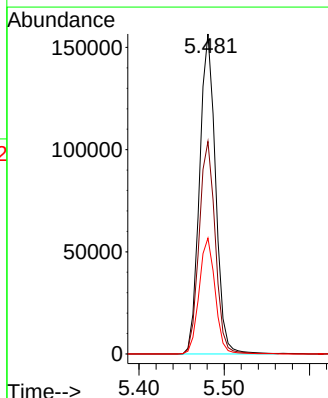
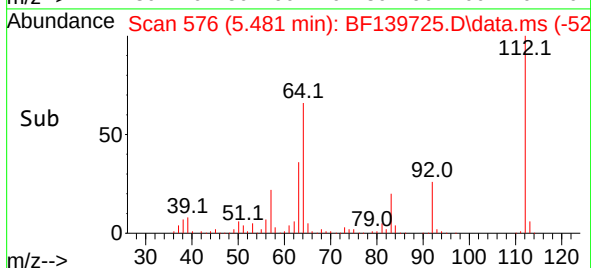
Supervised By :mohammad ahmed 10/10/2024

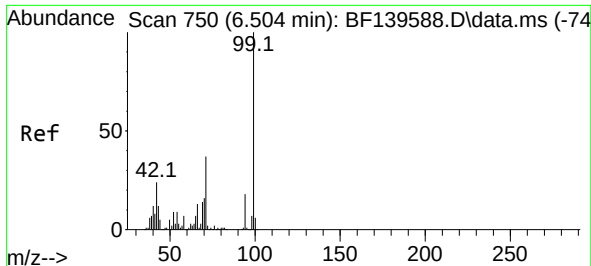


#5
2-Fluorophenol
Concen: 40.592 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31



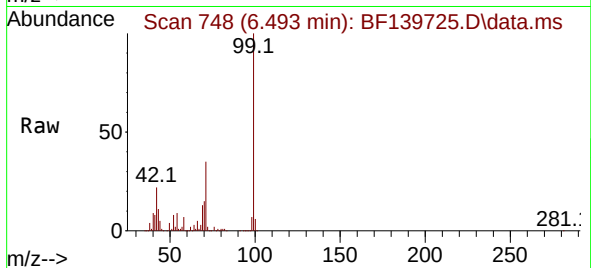
Tgt Ion:112 Resp: 204758
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.2 29.4 44.2





#7
Phenol-d6
Concen: 40.262 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

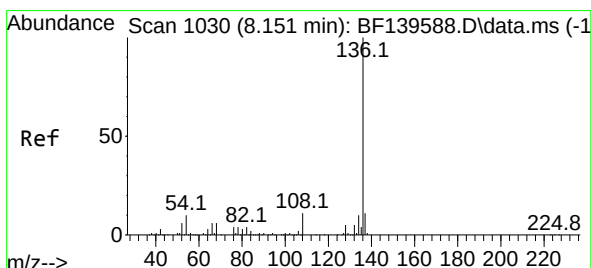
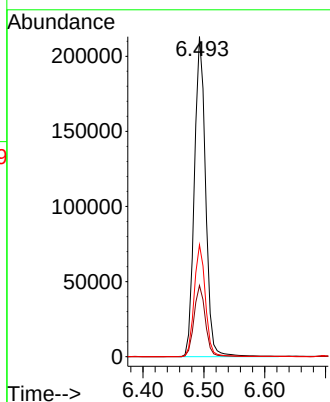
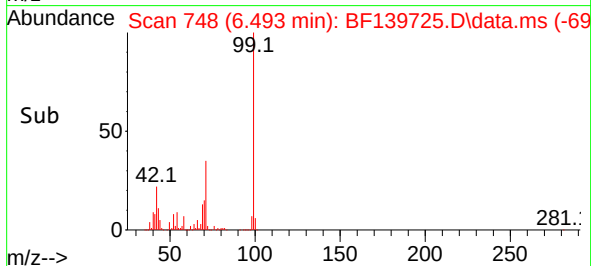
Instrument :
BNA_F
ClientSampleId :
TR-05-100724



Tgt Ion: 99 Resp: 27311
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 35.0 29.7 44.5

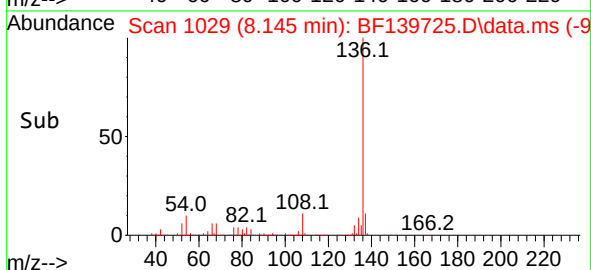
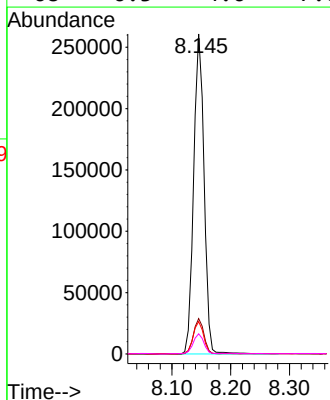
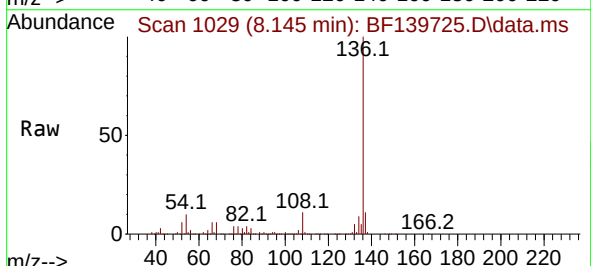
Manual Integrations
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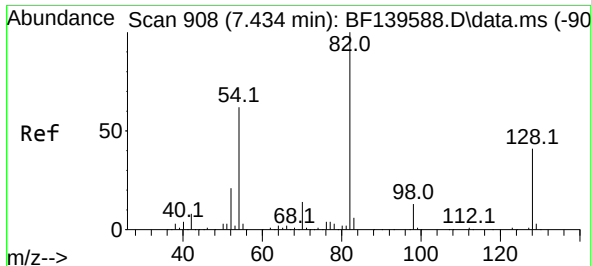
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:136 Resp: 320420
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.1 8.3 12.5
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 28.250 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

Tgt Ion: 82 Resp: 17878

Ion Ratio Lower Upper

82 100

128 40.3 32.4 48.6

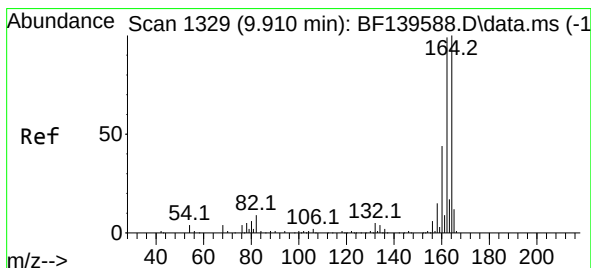
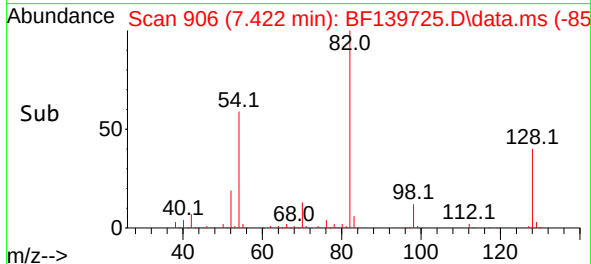
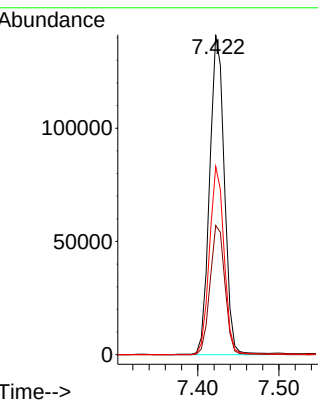
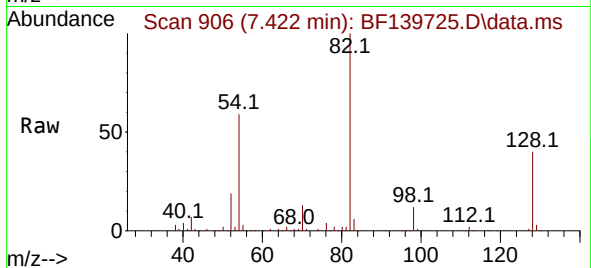
54 58.8 49.1 73.7

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: 9.898 min Scan# 1327

Delta R.T. -0.012 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

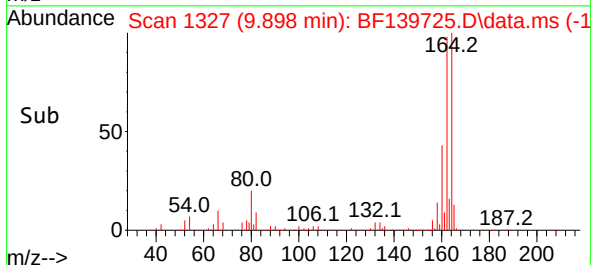
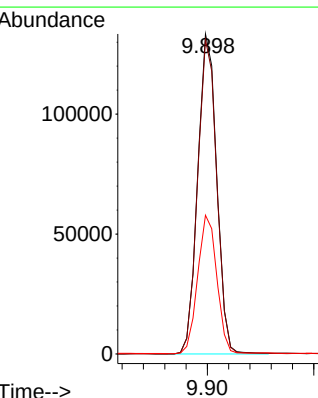
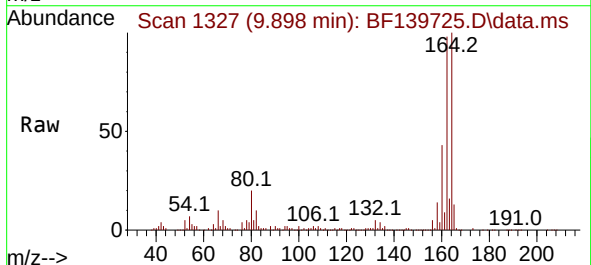
Tgt Ion:164 Resp: 166027

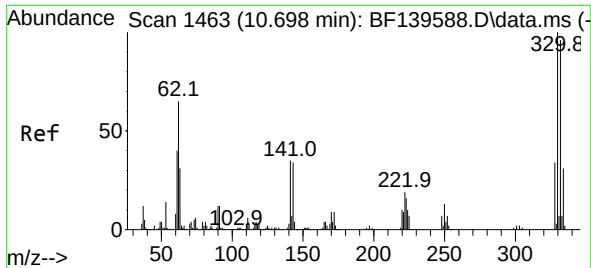
Ion Ratio Lower Upper

164 100

162 98.2 79.4 119.0

160 43.4 35.1 52.7





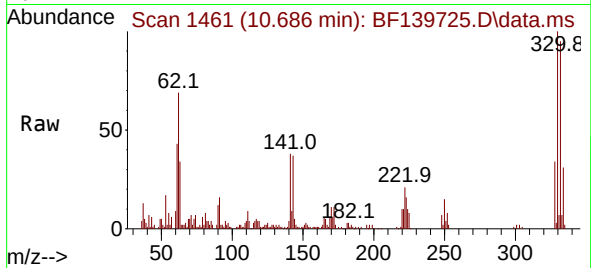
#42
2,4,6-Tribromophenol
Concen: 33.482 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724



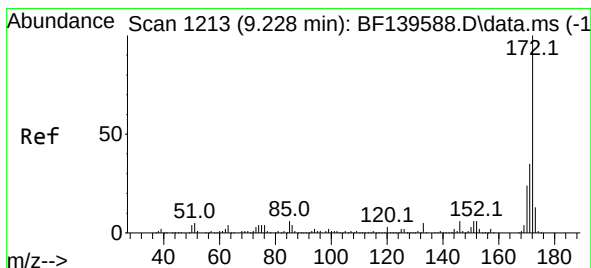
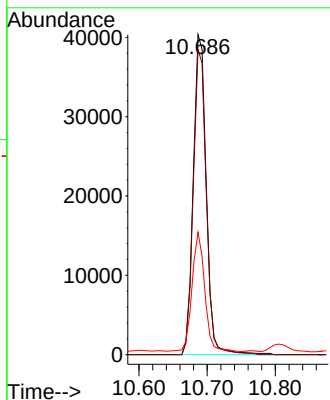
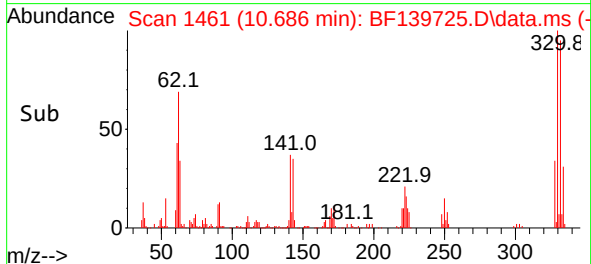
Tgt Ion: 330 Resp: 5366
Ion Ratio Lower Upper
330 100
332 94.8 76.5 114.7
141 36.0 29.3 43.9

Manual Integrations

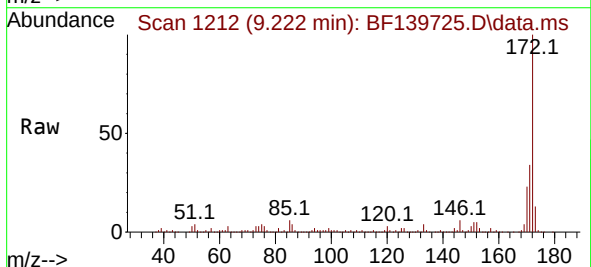
APPROVED

Reviewed By : Yogesh Patel 10/10/2024

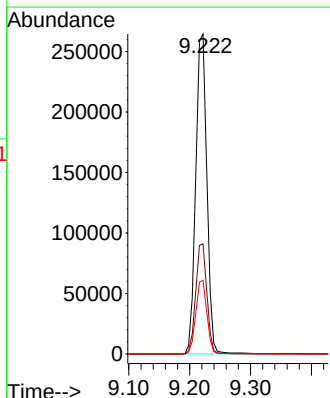
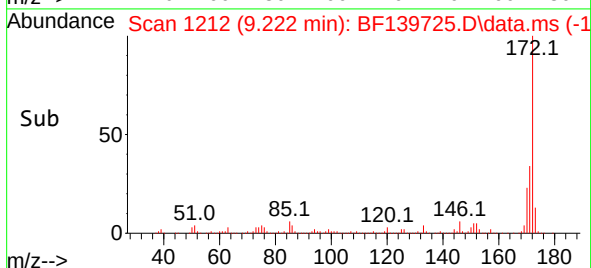
Supervised By : mohammad ahmed 10/10/2024

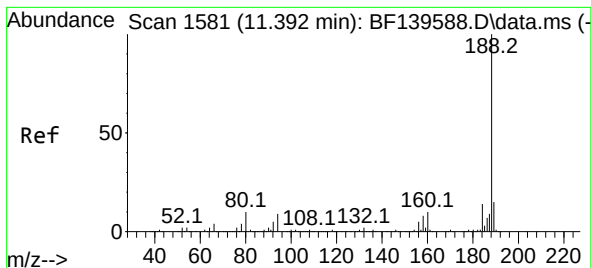


#45
2-Fluorobiphenyl
Concen: 31.240 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31



Tgt Ion: 172 Resp: 337851
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

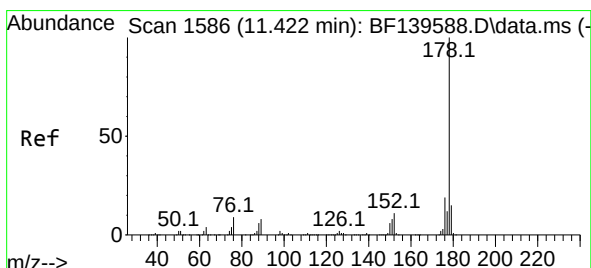
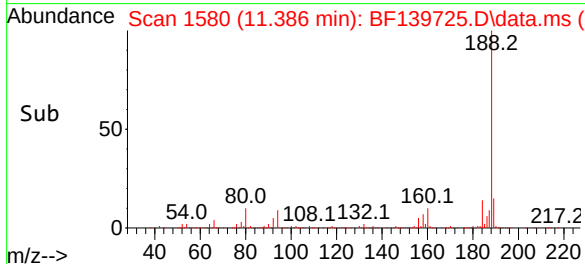
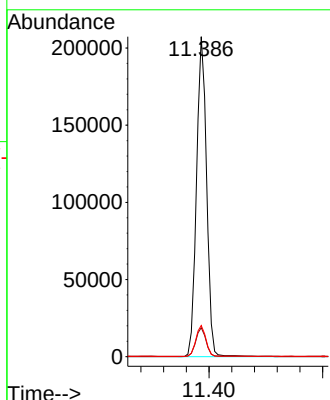
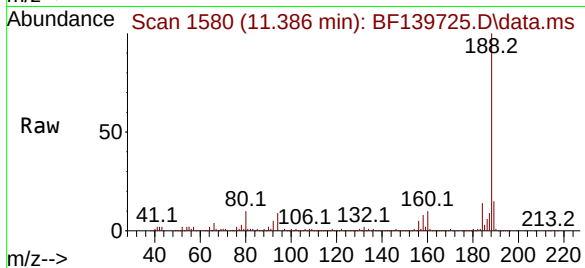
TR-05-100724

Tgt Ion:188 Resp: 257149
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.8 8.2 12.2

Manual Integrations

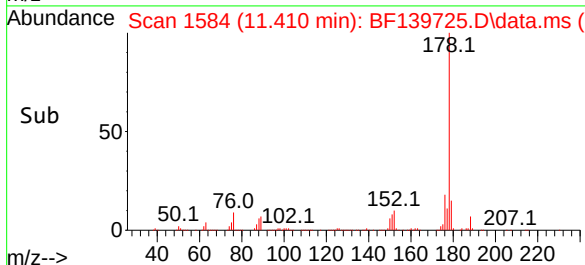
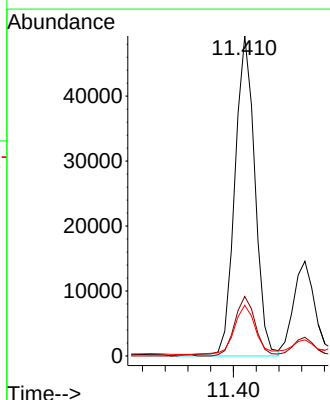
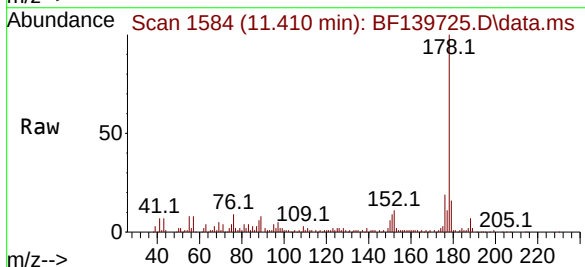
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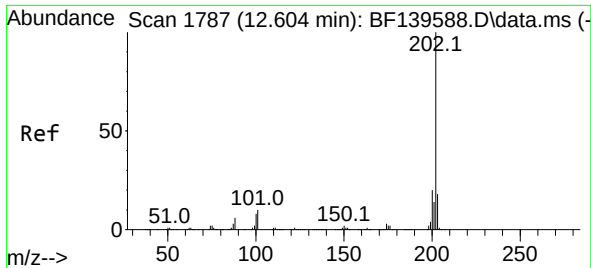
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#71
Phenanthrene
Concen: 4.982 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

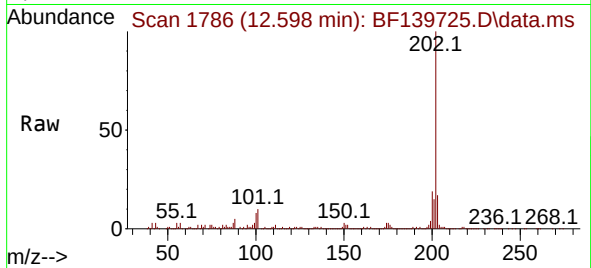
Tgt Ion:178 Resp: 60410
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.8 12.3 18.5





#75
Fluoranthene
Concen: 12.796 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

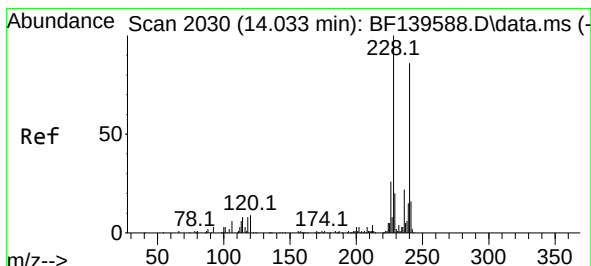
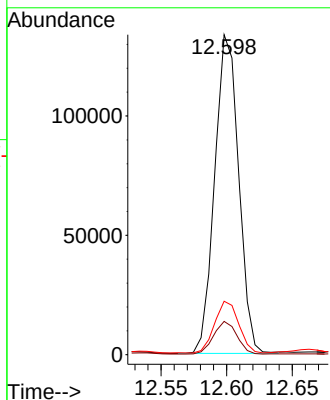
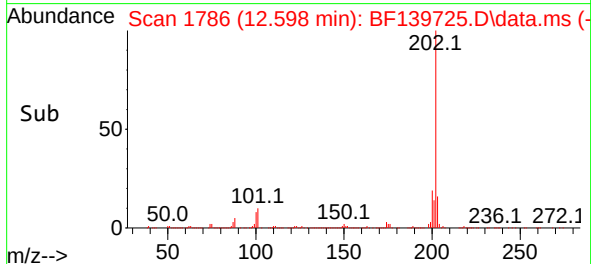
Instrument :
BNA_F
ClientSampleId :
TR-05-100724



Tgt Ion:202 Resp: 16960
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 16.7 0.0 37.7

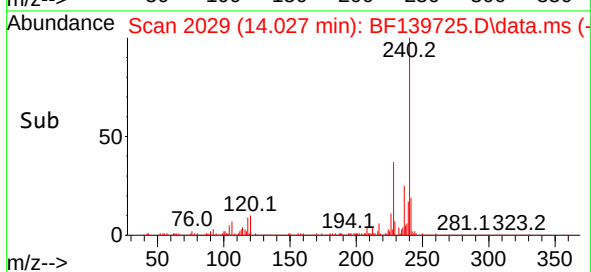
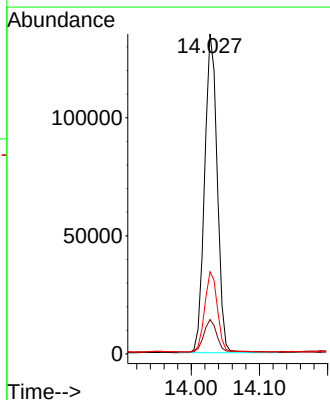
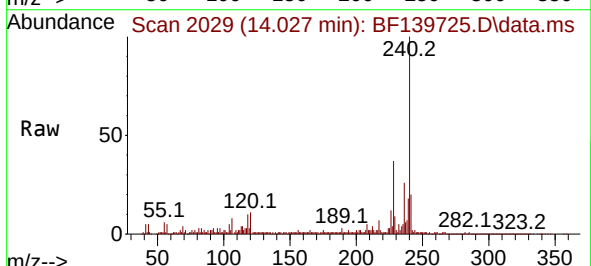
Manual Integrations
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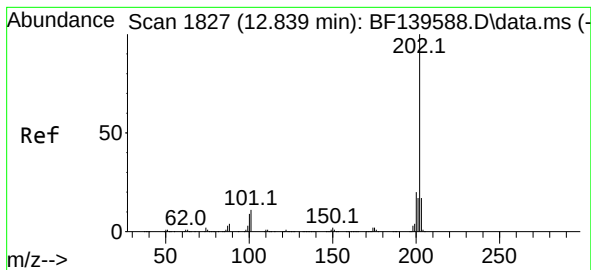
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:240 Resp: 174097
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 25.7 20.3 30.5





#78

Pyrene

Concen: 10.924 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

Tgt Ion:202 Resp: 170100

Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.6

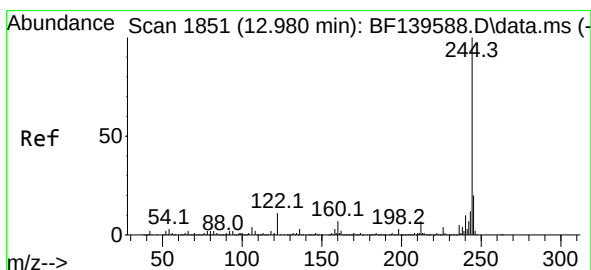
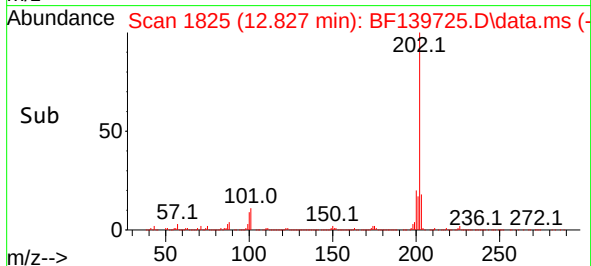
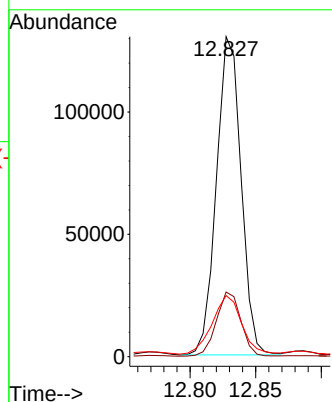
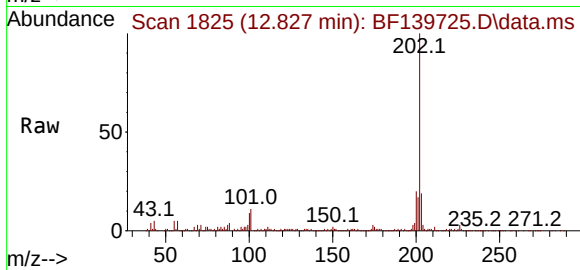
203 19.1 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#79

Terphenyl-d14

Concen: 24.679 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

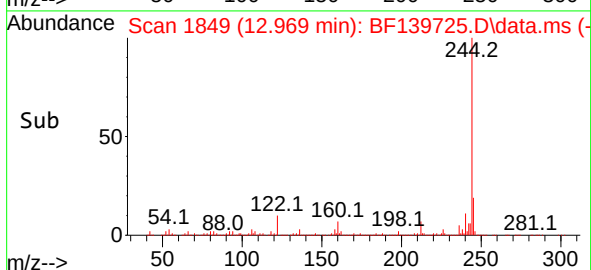
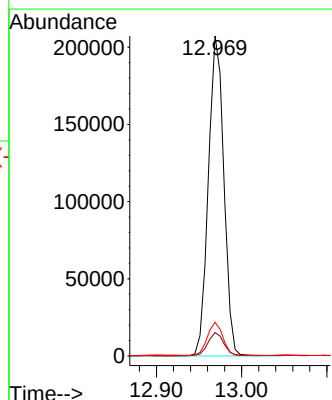
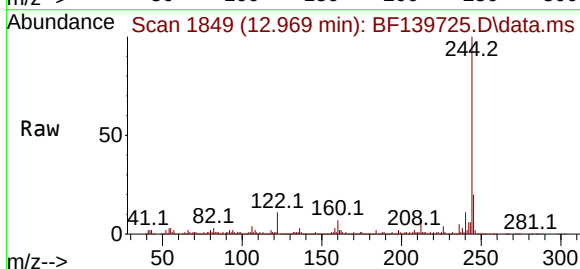
Tgt Ion:244 Resp: 261856

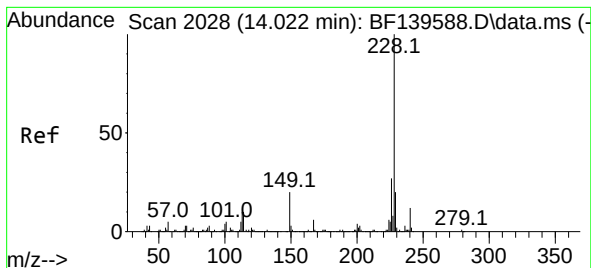
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 10.5 8.6 12.8





#81

Benzo(a)anthracene

Concen: 9.607 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

Tgt Ion:228 Resp: 10996

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

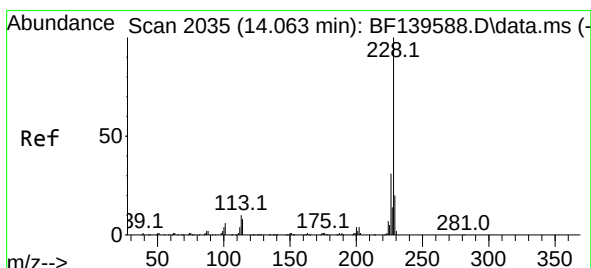
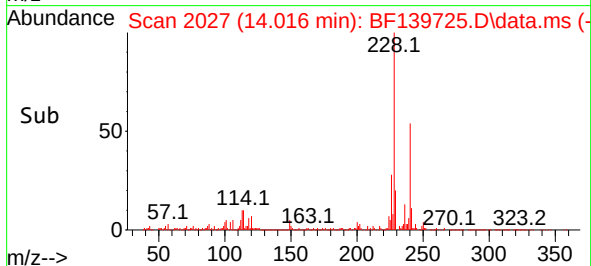
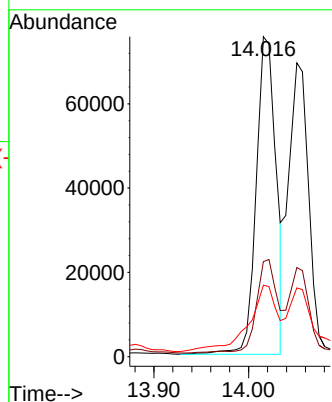
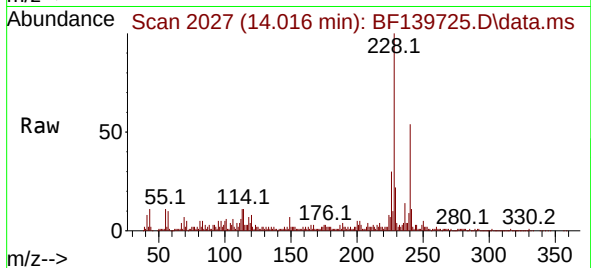
229 22.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#83

Chrysene

Concen: 9.579 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

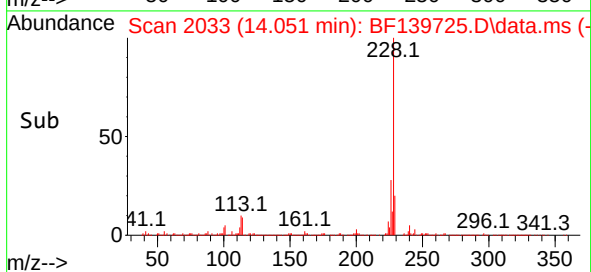
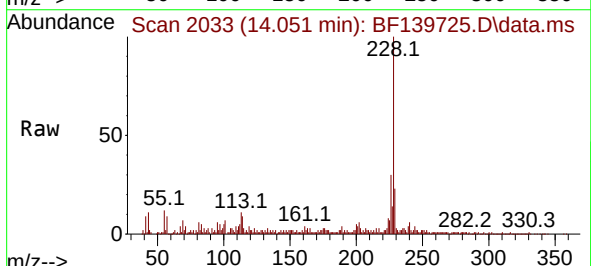
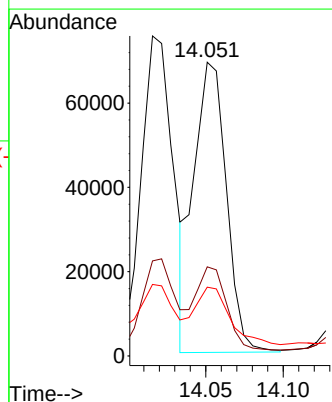
Tgt Ion:228 Resp: 100246

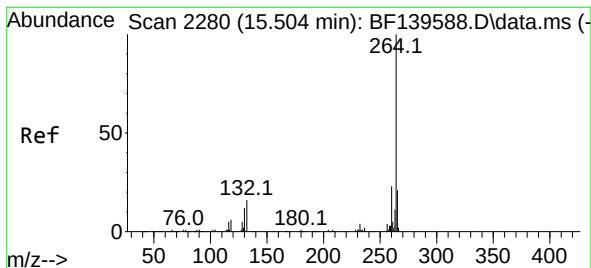
Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 23.4 15.7 23.5





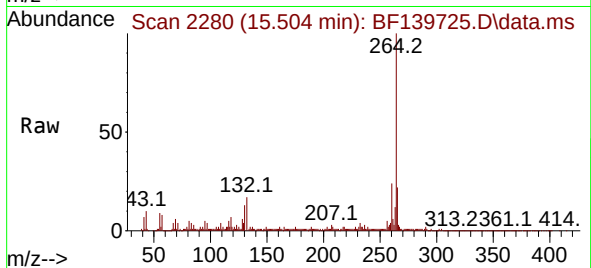
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724



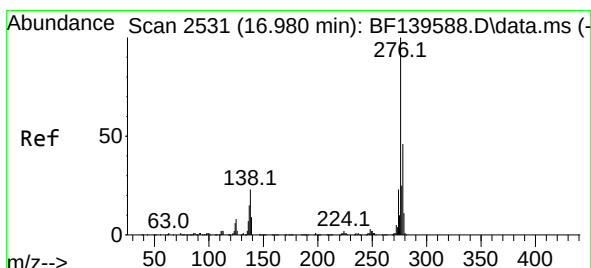
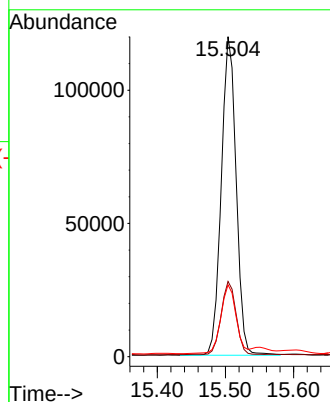
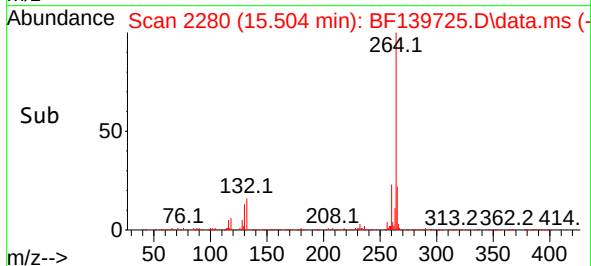
Tgt Ion:264 Resp: 18174
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.4 16.9 25.3

Manual Integrations

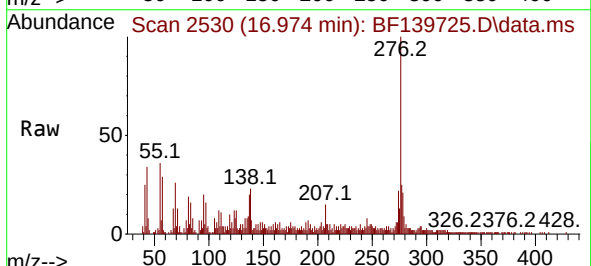
APPROVED

Reviewed By :Yogesh Patel 10/10/2024

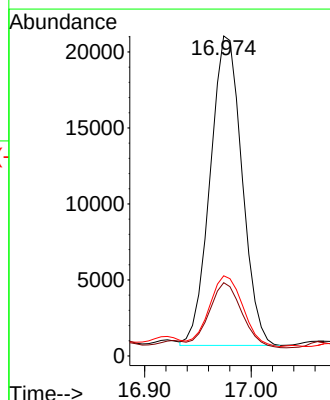
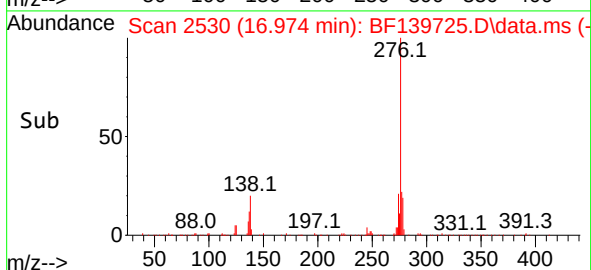
Supervised By :mohammad ahmed 10/10/2024

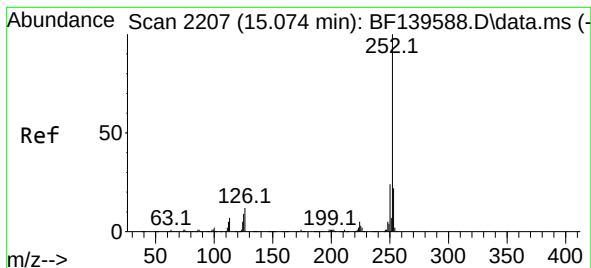


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.941 ng
RT: 16.974 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31



Tgt Ion:276 Resp: 42158
Ion Ratio Lower Upper
276 100
138 21.8 19.4 29.0
277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 11.890 ng m

RT: 15.074 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

Tgt Ion:252 Resp: 139724

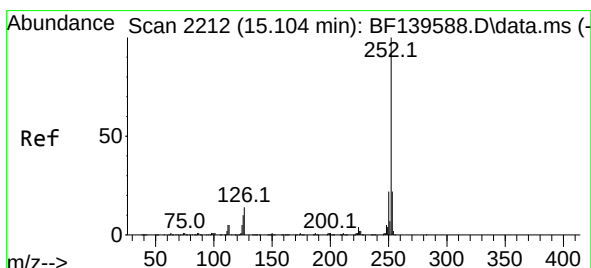
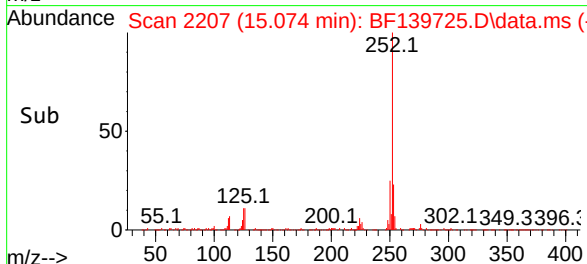
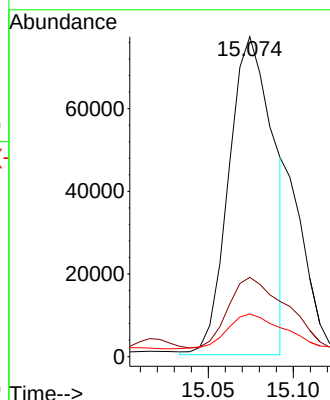
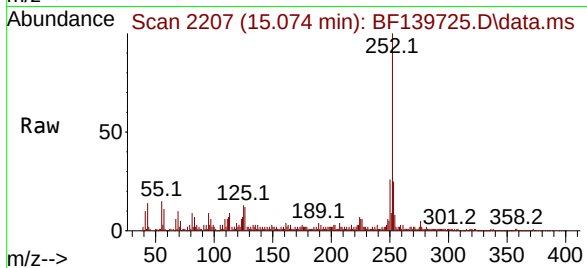
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	13.4	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#89

Benzo(k)fluoranthene

Concen: 3.863 ng m

RT: 15.092 min Scan# 2210

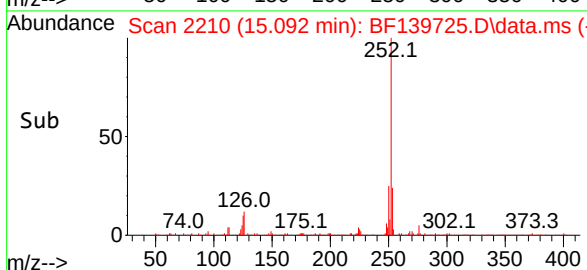
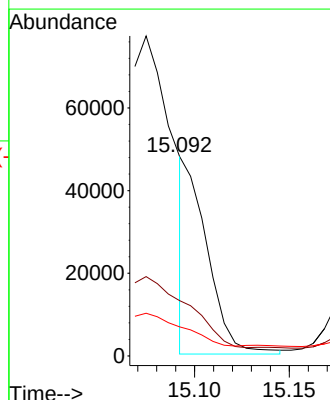
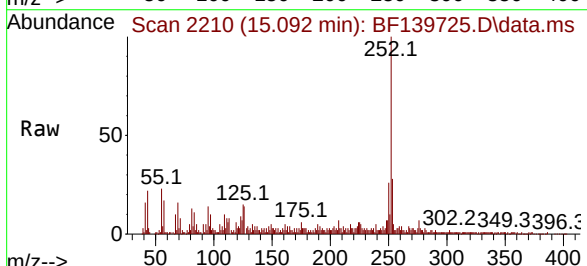
Delta R.T. -0.012 min

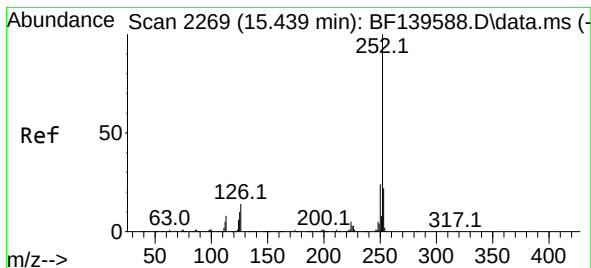
Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Tgt Ion:252 Resp: 38510

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.5	26.3#
125	14.6	7.6	11.4#





#90

Benzo(a)pyrene

Concen: 10.319 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

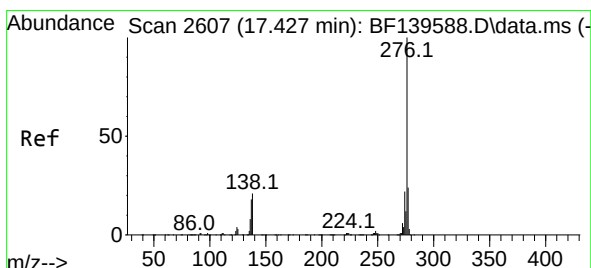
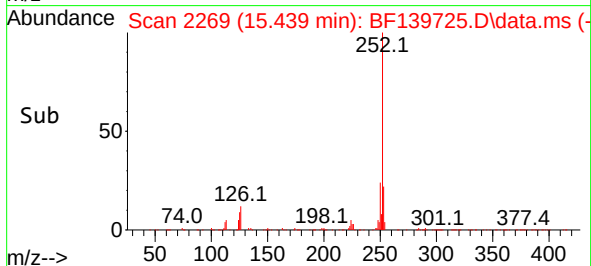
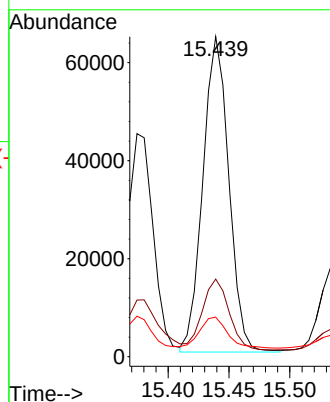
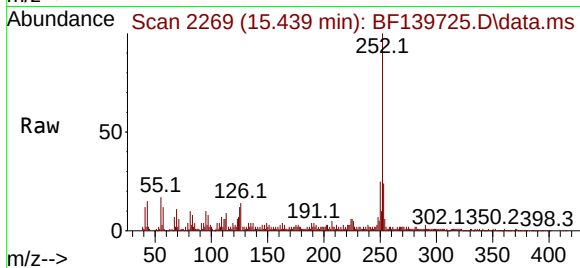
Tgt Ion:	252	Resp:	9561
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.3	25.9
125	12.3	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#92

Benzo(g,h,i)perylene

Concen: 4.527 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Tgt Ion:	276	Resp:	40277
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.0	28.6
138	23.8	17.0	25.6

