

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140096.D
 Acq On : 28 Oct 2024 19:27
 Operator : RC/JU
 Sample : P4577-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-102524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 00:55:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	113960	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	424930	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	198982	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	299549	20.000	ng	0.00
76) Chrysene-d12	14.045	240	224511	20.000	ng	0.00
86) Perylene-d12	15.527	264	182388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	605445	83.171	ng	0.00
7) Phenol-d6	6.504	99	760478	80.660	ng	0.00
23) Nitrobenzene-d5	7.445	82	504021	65.739	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	141019	75.767	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	872320	72.453	ng	0.00
79) Terphenyl-d14	12.992	244	770915	55.952	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	42592	3.010	ng	99
75) Fluoranthene	12.621	202	104077	7.276	ng	99
78) Pyrene	12.851	202	98185	4.996	ng	97
81) Benzo(a)anthracene	14.039	228	56147m	3.842	ng	
83) Chrysene	14.074	228	49909	3.725	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	53723m	4.835	ng	
89) Benzo(k)fluoranthene	15.104	252	29195m	3.047	ng	
90) Benzo(a)pyrene	15.462	252	36511	3.994	ng	# 89
92) Benzo(g,h,i)perylene	17.468	276	21804	2.230	ng	93

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

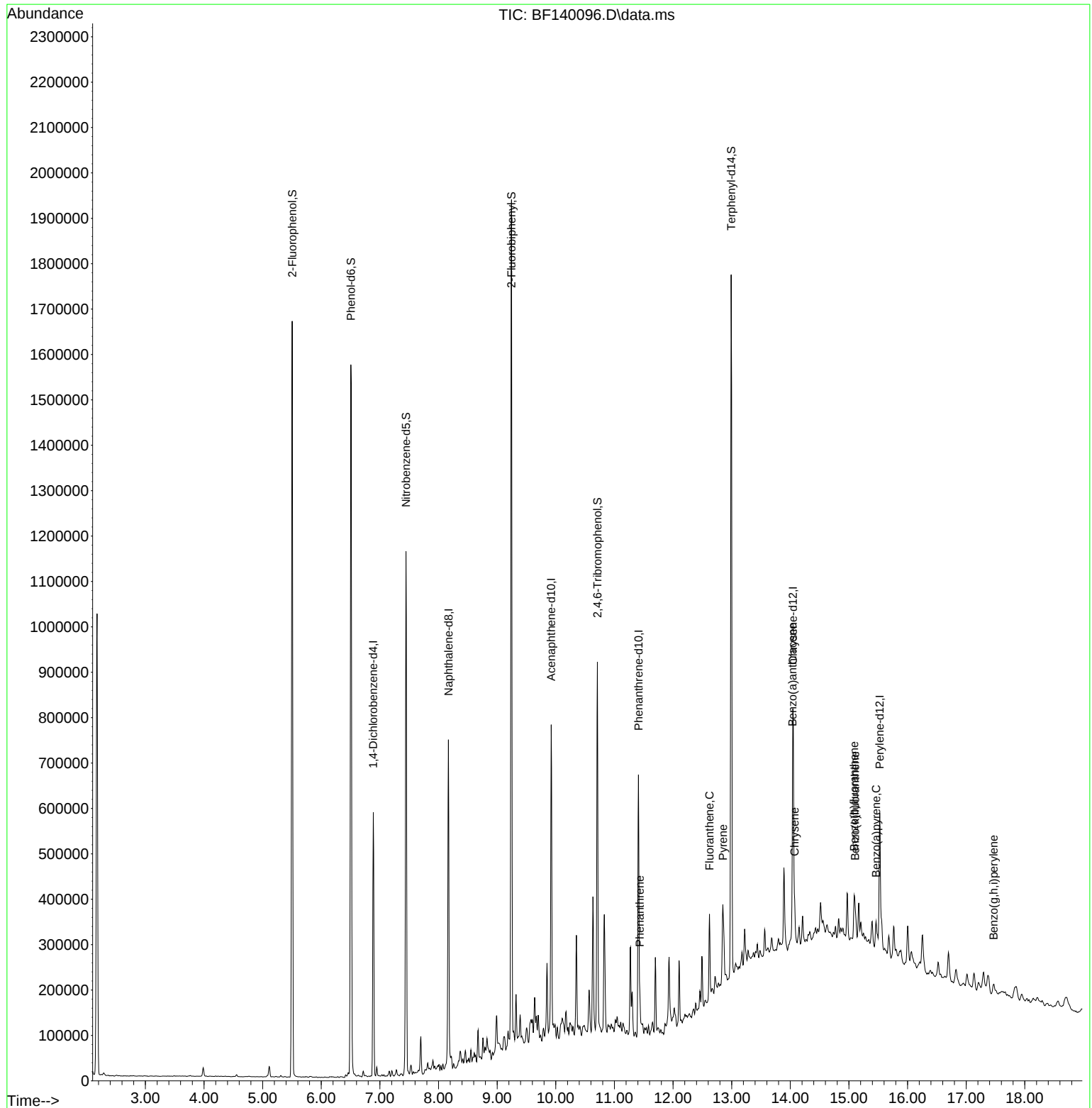
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
Data File : BF140096.D
Acq On : 28 Oct 2024 19:27
Operator : RC/JU
Sample : P4577-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

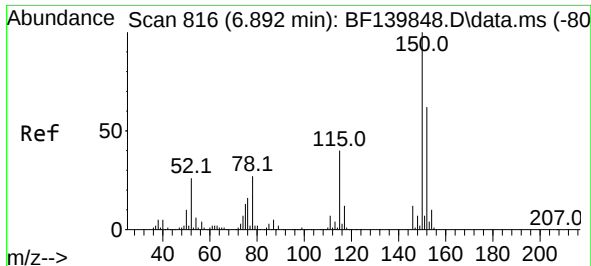
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Quant Time: Oct 29 00:55:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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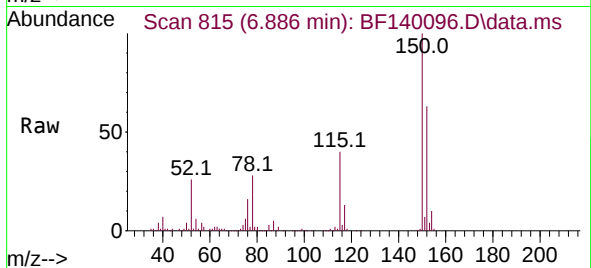
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

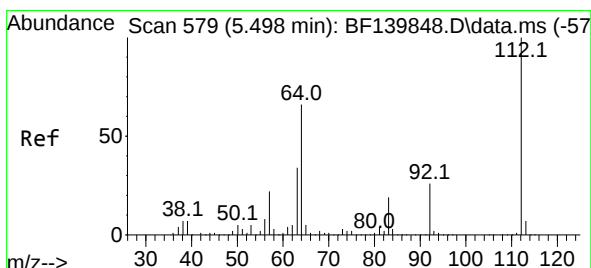
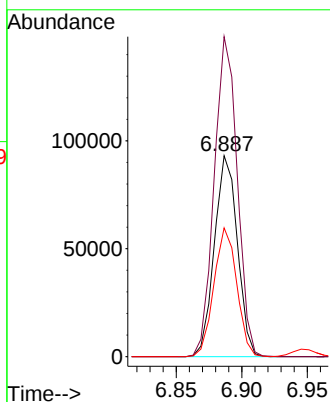
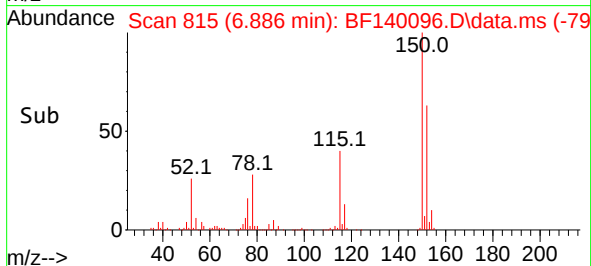
Instrument :
BNA_F
ClientSampleId :
TR-05-102524



Tgt Ion:152 Resp: 113960
Ion Ratio Lower Upper
152 100
150 159.3 130.2 195.2
115 64.1 51.4 77.2

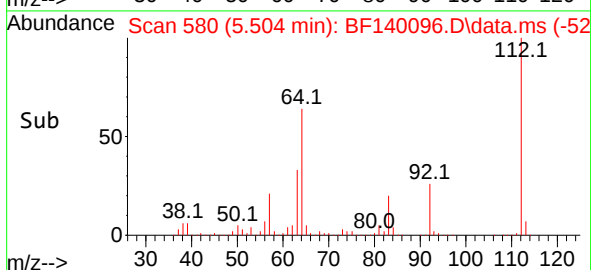
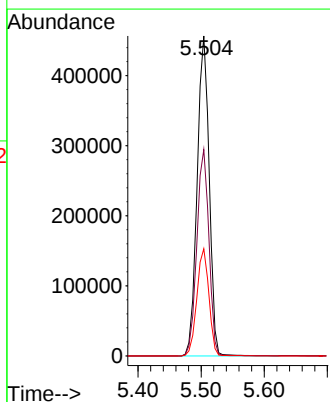
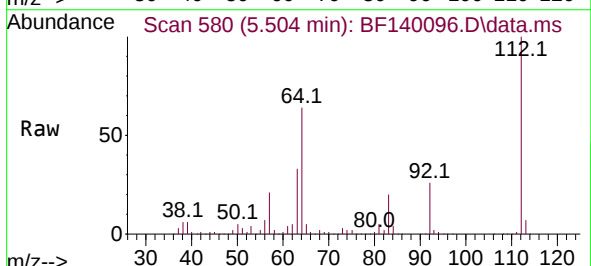
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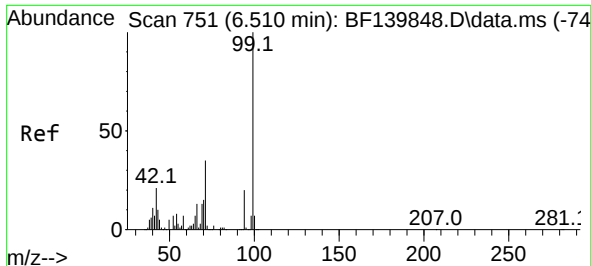
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#5
2-Fluorophenol
Concen: 83.171 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:112 Resp: 605445
Ion Ratio Lower Upper
112 100
64 64.5 53.0 79.6
63 33.5 27.0 40.4





#7

Phenol-d6

Concen: 80.660 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

Tgt Ion: 99 Resp: 760478

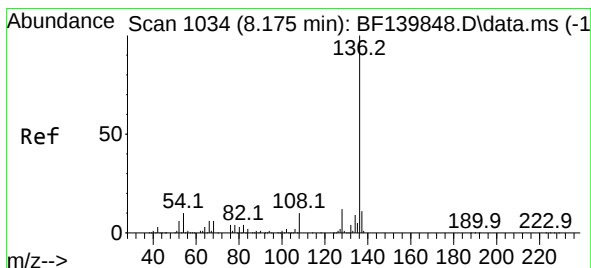
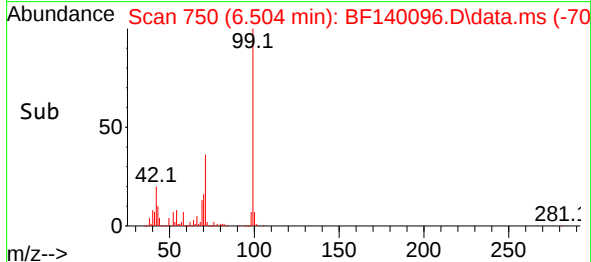
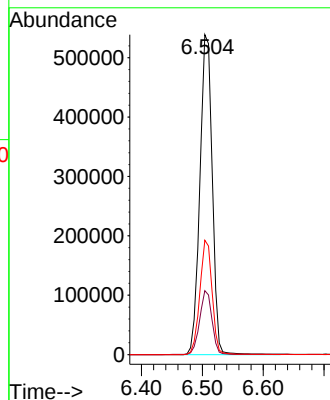
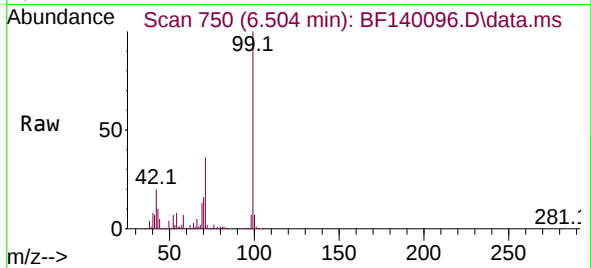
Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.7	25.1
71	35.7	27.7	41.5

Manual Integrations

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Supervised By :mohammad ahmed 10/30/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

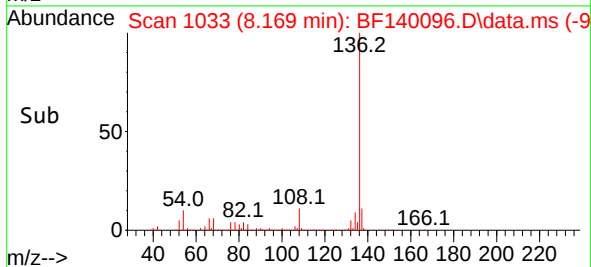
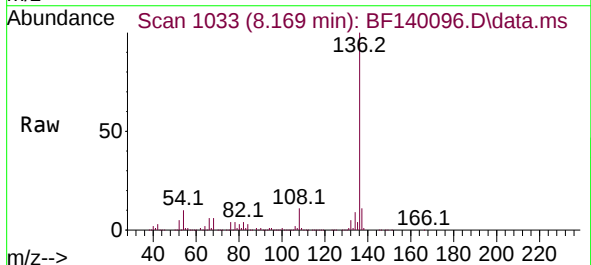
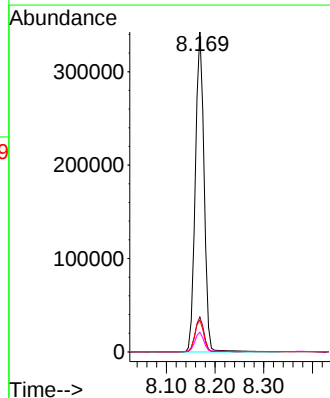
Delta R.T. -0.006 min

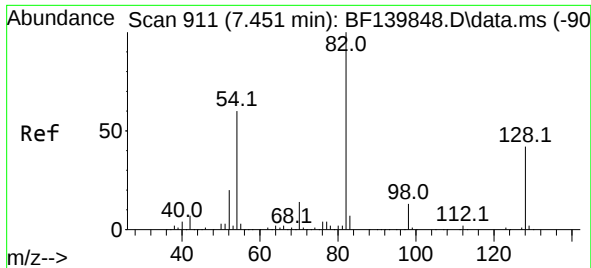
Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Tgt Ion:136 Resp: 424930

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.9	8.4	12.6
68	6.1	5.1	7.7





#23
Nitrobenzene-d5
Concen: 65.739 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

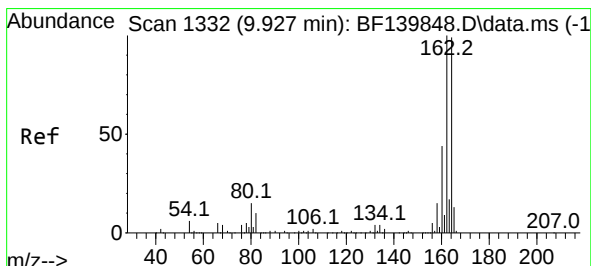
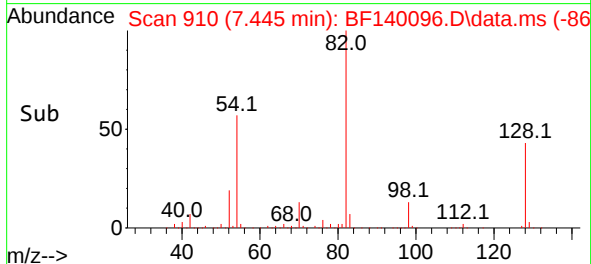
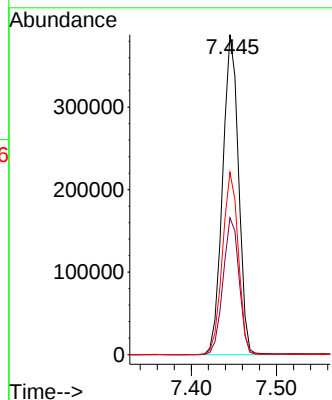
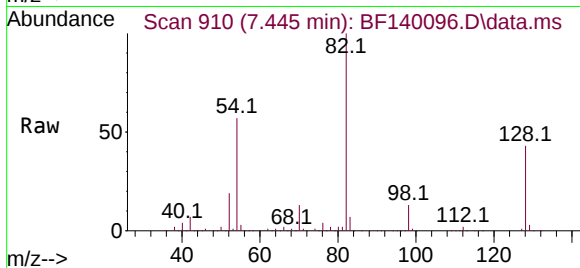
ClientSampleId :

TR-05-102524

Tgt Ion: 82 Resp: 504021
Ion Ratio Lower Upper
82 100
128 42.7 33.4 50.0
54 57.0 47.8 71.8

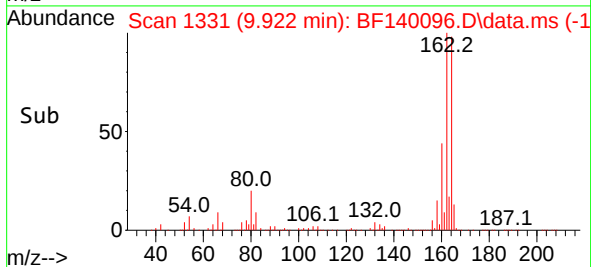
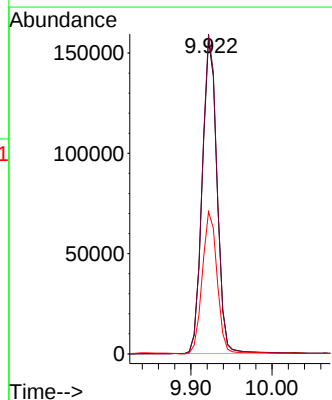
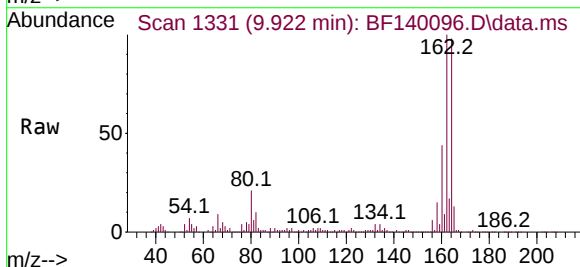
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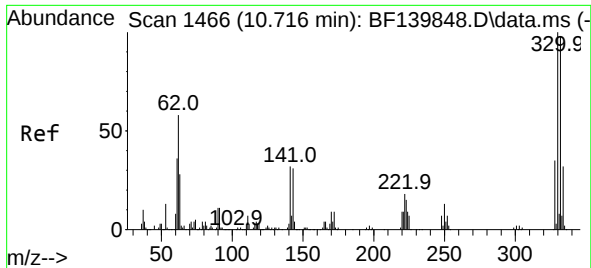
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:164 Resp: 198982
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.4
160 45.2 35.4 53.0





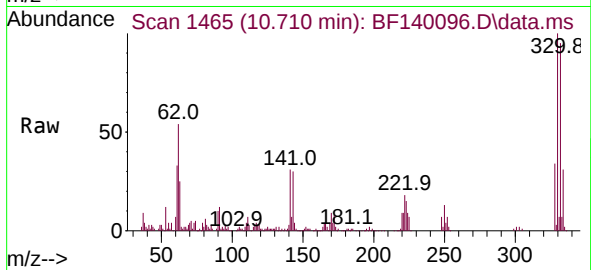
#42
2,4,6-Tribromophenol
Concen: 75.767 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524



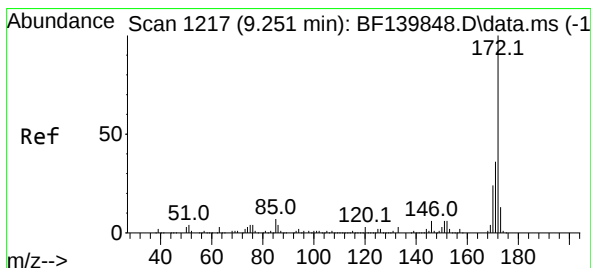
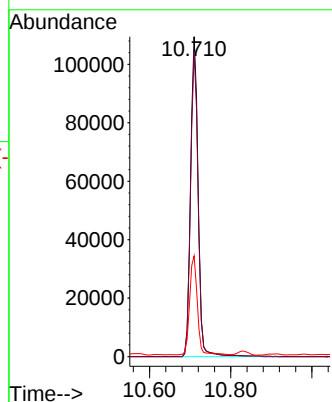
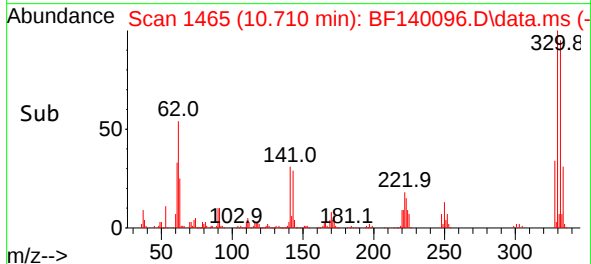
Tgt Ion:330 Resp: 141019
Ion Ratio Lower Upper
330 100
332 94.8 78.1 117.1
141 31.6 26.6 39.8

Manual Integrations

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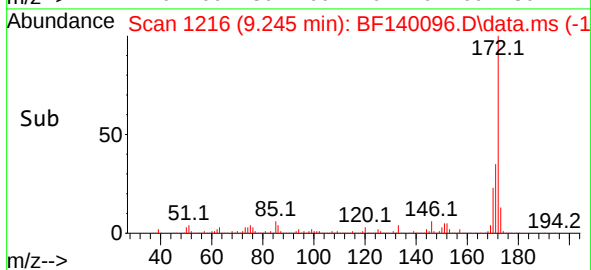
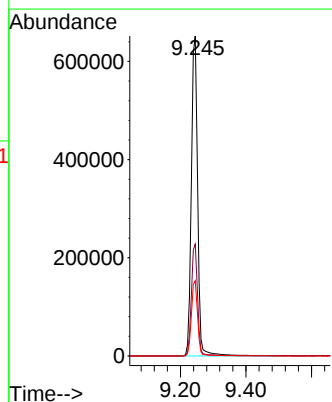
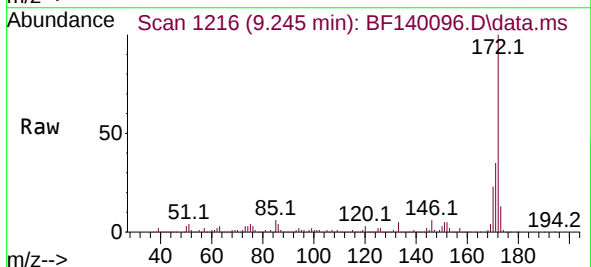
Reviewed By :Yogesh Patel 10/29/2024

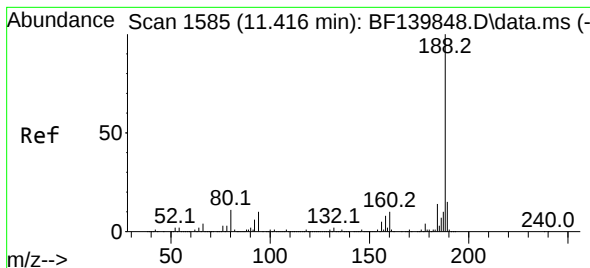
Supervised By :mohammad ahmed 10/30/2024



#45
2-Fluorobiphenyl
Concen: 72.453 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:172 Resp: 872320
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

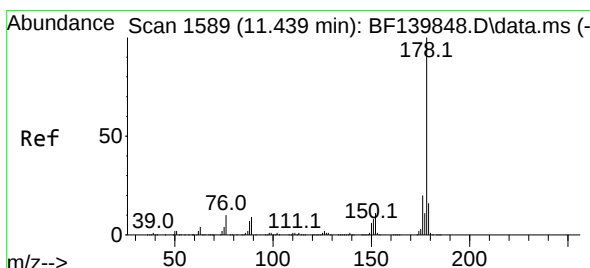
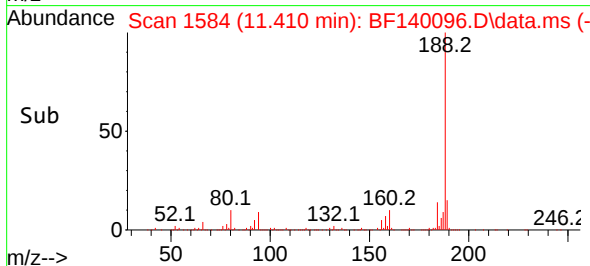
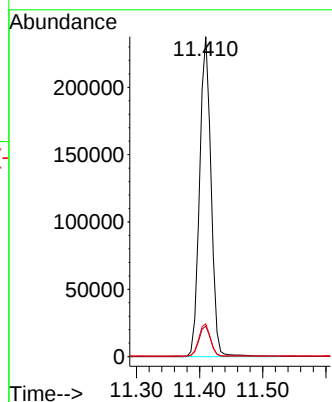
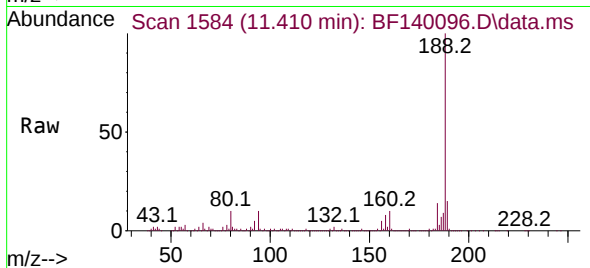
TR-05-102524

Tgt Ion:188 Resp: 299549
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.2 9.0 13.4

Manual Integrations

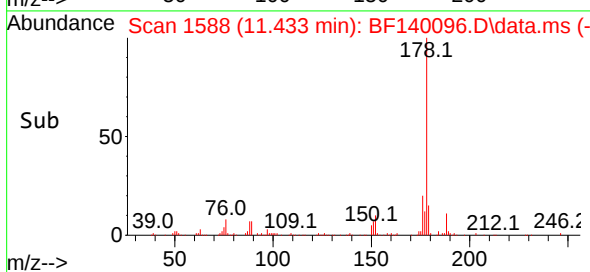
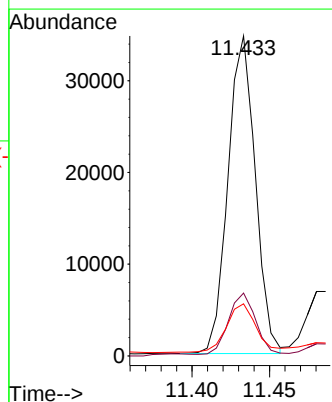
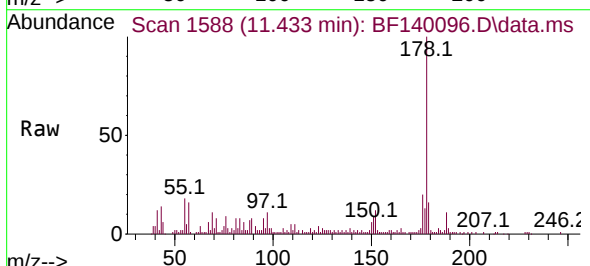
APPROVED

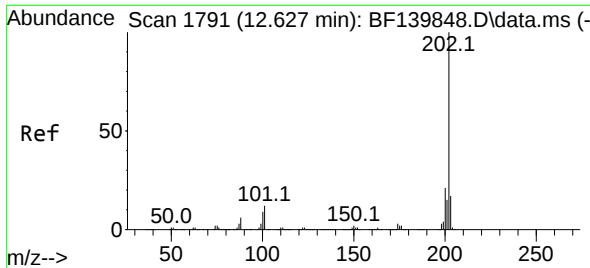
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#71
Phenanthrene
Concen: 3.010 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

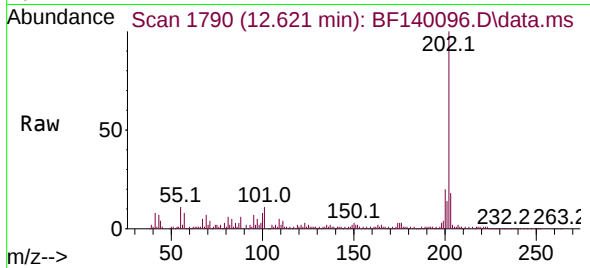
Tgt Ion:178 Resp: 42592
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.3 12.6 18.8





#75
Fluoranthene
Concen: 7.276 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

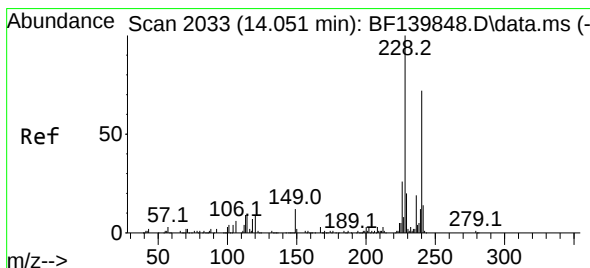
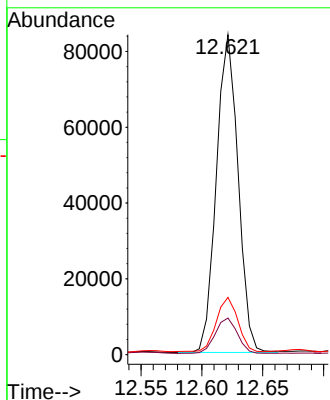
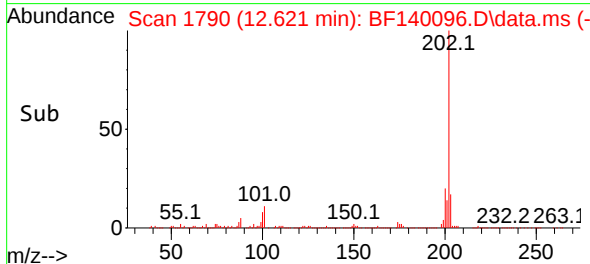
Instrument :
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TR-05-102524



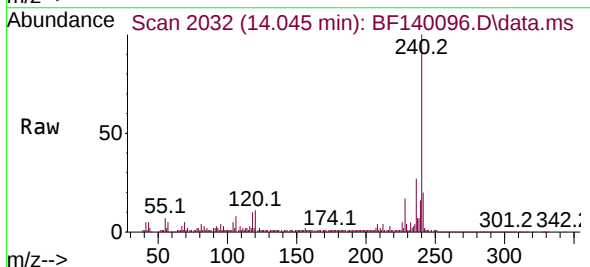
Tgt Ion:202 Resp: 10407
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.9
203 17.9 0.0 37.5

Manual Integrations
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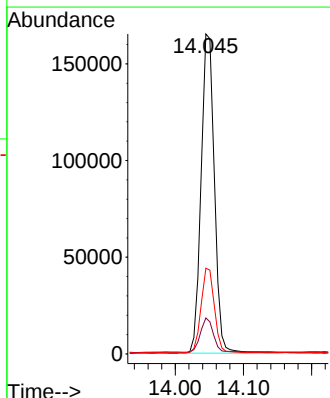
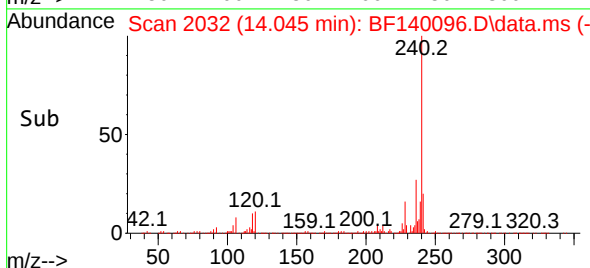
Reviewed By :Yogesh Patel 10/29/2024
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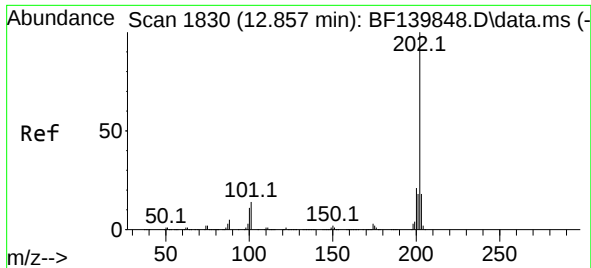


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27



Tgt Ion:240 Resp: 224511
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 26.8 20.9 31.3





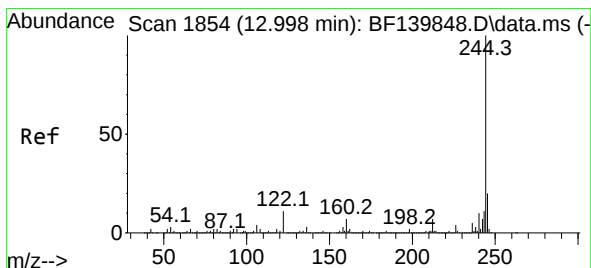
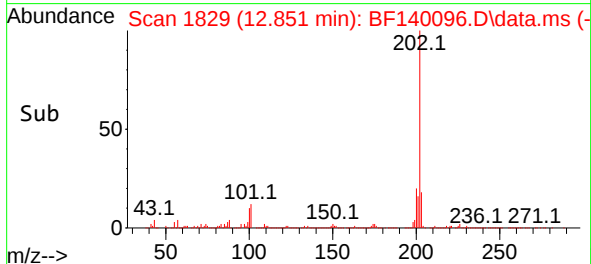
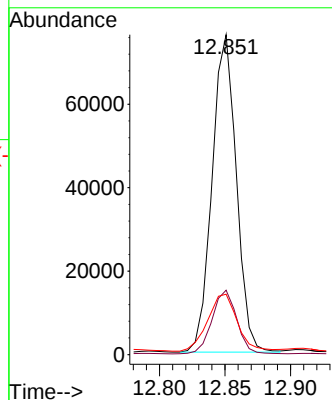
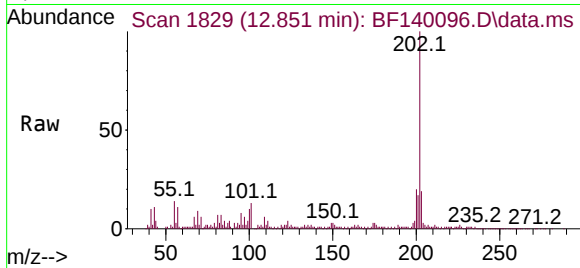
#78
Pyrene
Concen: 4.996 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Tgt Ion:202 Resp: 98185
Ion Ratio Lower Upper
202 100
200 20.1 17.2 25.8
203 18.9 14.2 21.4

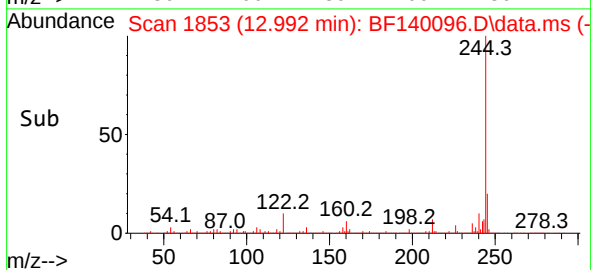
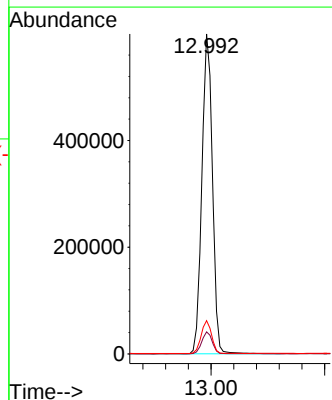
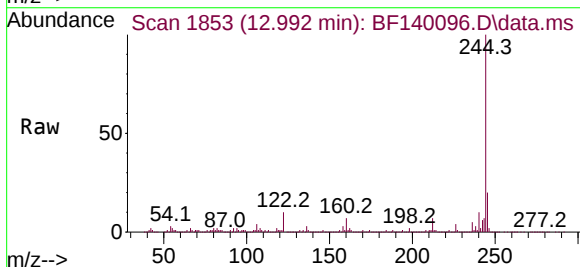
Manual Integrations
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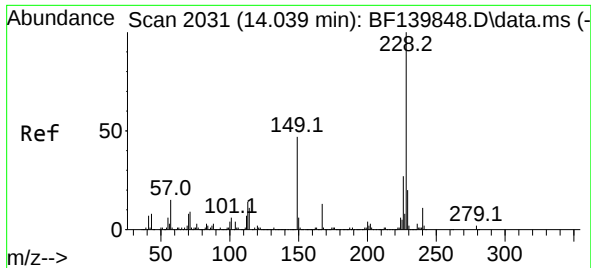
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#79
Terphenyl-d14
Concen: 55.952 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:244 Resp: 770915
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.4 8.6 13.0





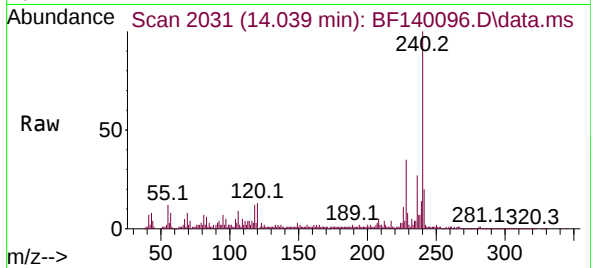
#81
Benzo(a)anthracene
Concen: 3.842 ng m
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

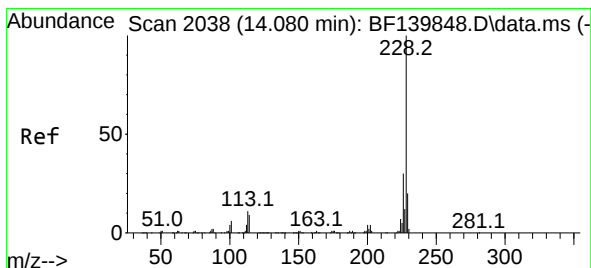
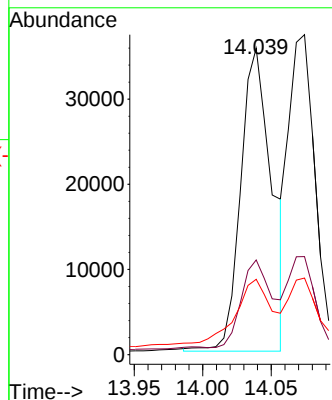
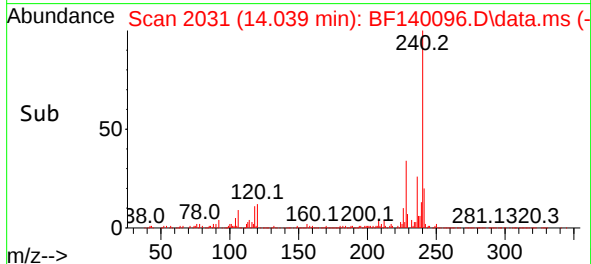


Tgt Ion:228 Resp: 5614
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 24.6 16.1 24.1

Manual Integrations

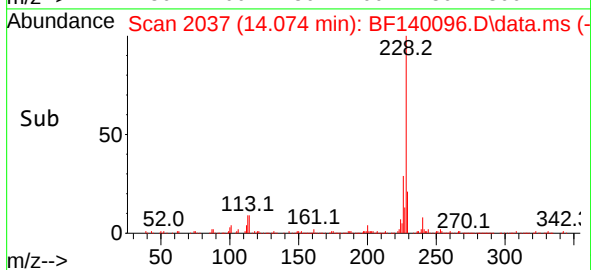
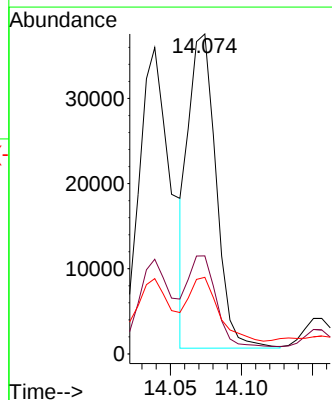
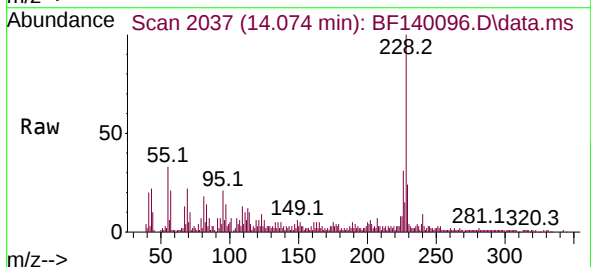
APPROVED

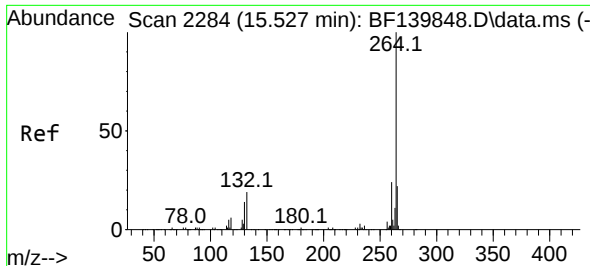
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#83
Chrysene
Concen: 3.725 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:228 Resp: 49909
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 23.9 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

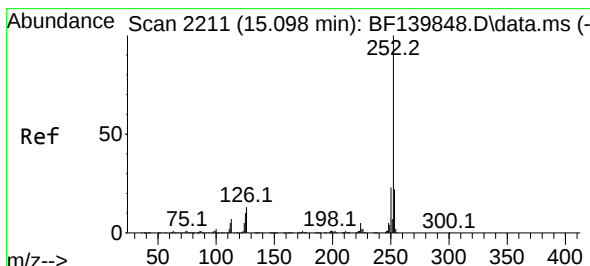
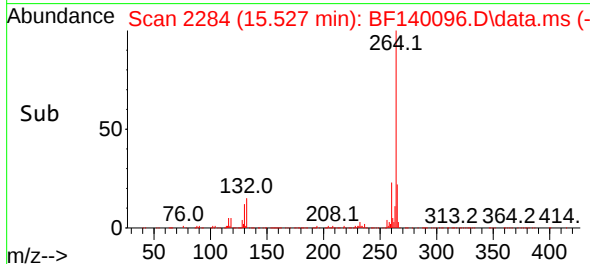
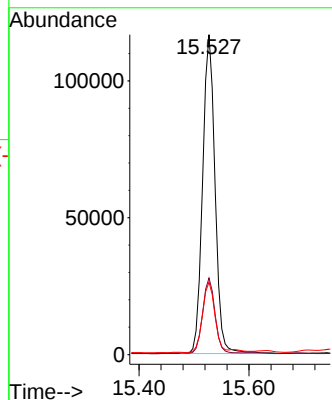
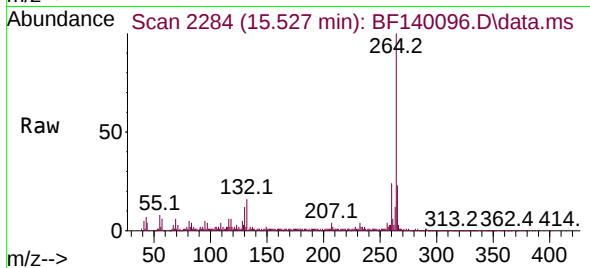
TR-05-102524

Tgt Ion:264 Resp: 182388
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.6 17.4 26.0

Manual Integrations

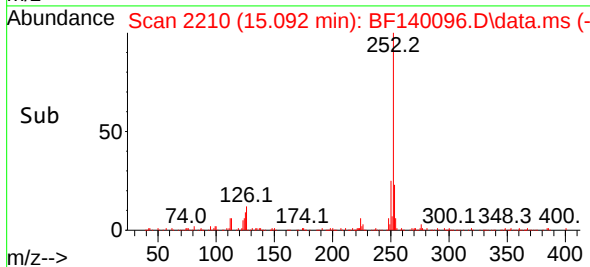
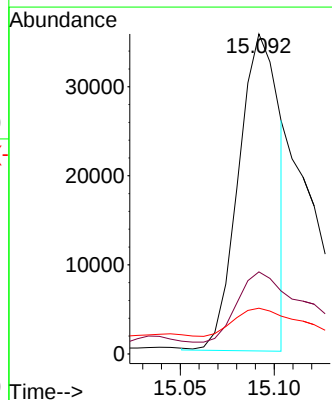
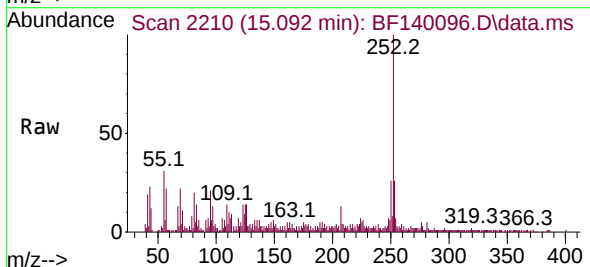
APPROVED

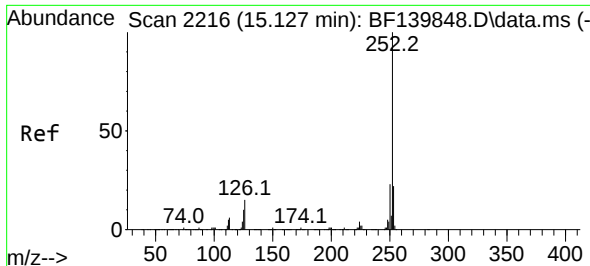
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#88
Benzo(b)fluoranthene
Concen: 4.835 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:252 Resp: 53723
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 14.3 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 3.047 ng m

RT: 15.104 min Scan# 2216

Delta R.T. -0.024 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

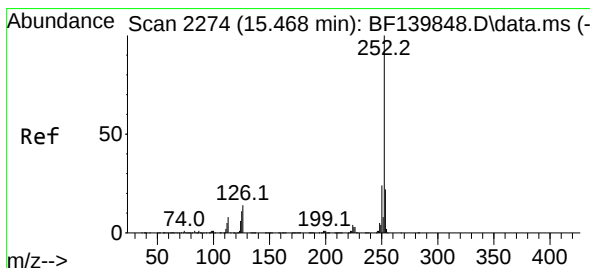
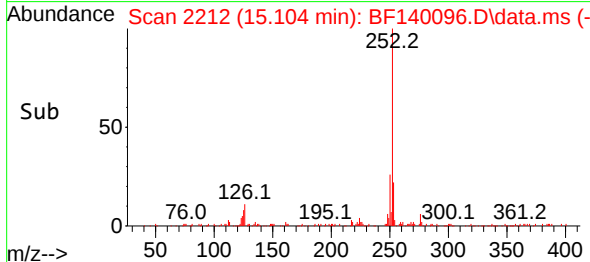
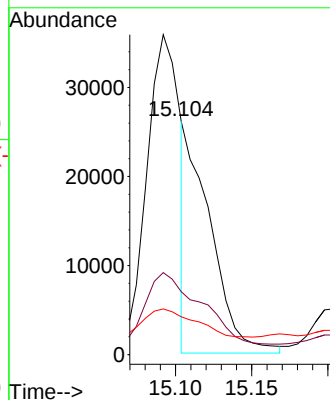
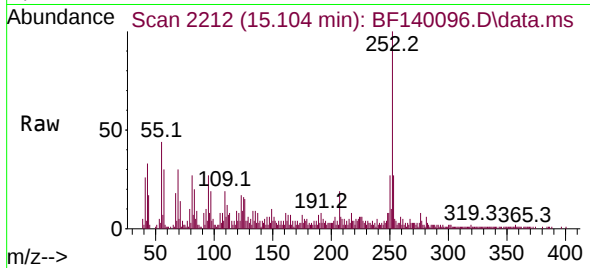
Tgt Ion:252 Resp: 29195
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.6 26.4
 125 16.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024



#90

Benzo(a)pyrene

Concen: 3.994 ng

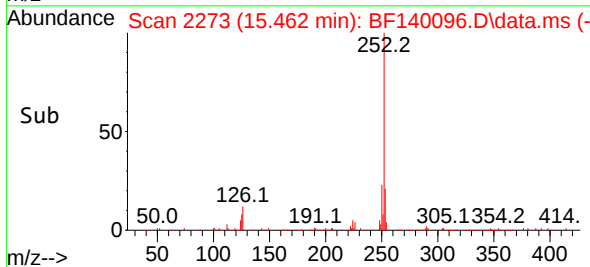
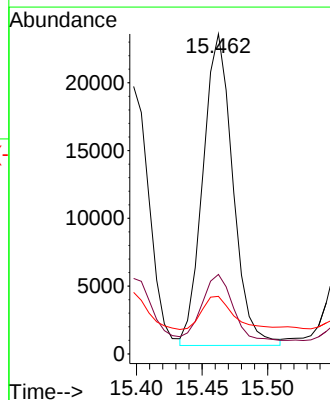
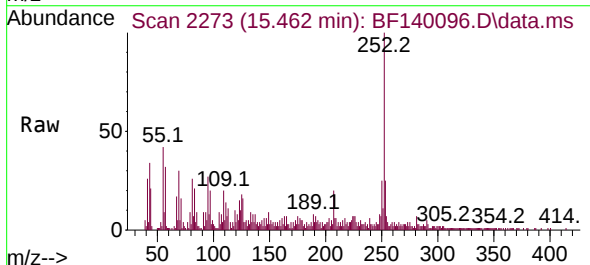
RT: 15.462 min Scan# 2273

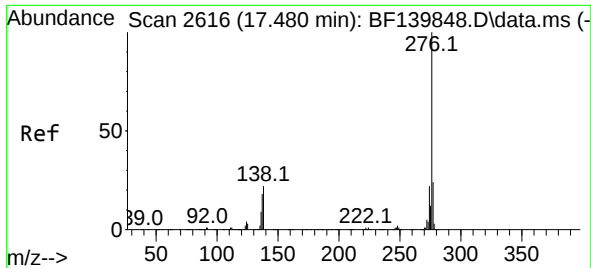
Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Tgt Ion:252 Resp: 36511
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.3 25.9
 125 18.0 8.7 13.1





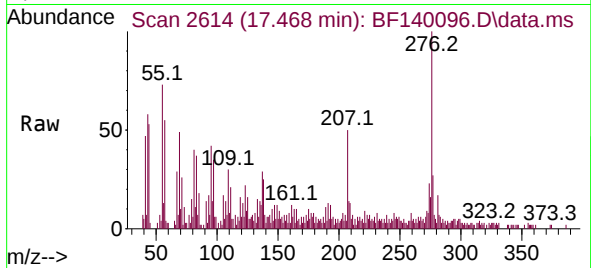
#92
 Benzo(g,h,i)perylene
 Concen: 2.230 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF140096.D
 Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524



Tgt Ion:	276	Resp:	21804
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.0	28.6
138	25.1	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024

