

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
 Data File : BF139699.D
 Acq On : 07 Oct 2024 21:18
 Operator : RC/JU
 Sample : P4288-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-100324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2024
 Supervised By :mohammad ahmed 10/09/2024

Quant Time: Oct 08 01:14:43 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	79893	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	278568	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	125556	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	199598	20.000	ng	0.00
76) Chrysene-d12	14.027	240	157998	20.000	ng	0.00
86) Perylene-d12	15.504	264	124832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	231281	50.175	ng	0.00
7) Phenol-d6	6.493	99	297196	47.945	ng	-0.01
23) Nitrobenzene-d5	7.422	82	187314	34.045	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	49090	40.502	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	313664	38.352	ng	0.00
79) Terphenyl-d14	12.969	244	280419	29.122	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	45669	4.853	ng	97
75) Fluoranthene	12.598	202	85749	8.335	ng	99
78) Pyrene	12.827	202	92364	6.536	ng	97
81) Benzo(a)anthracene	14.016	228	38491	3.705	ng	# 86
83) Chrysene	14.051	228	36256	3.818	ng	# 92
88) Benzo(b)fluoranthene	15.074	252	39346m	4.875	ng	
89) Benzo(k)fluoranthene	15.086	252	14848m	2.169	ng	
90) Benzo(a)pyrene	15.439	252	26262	4.126	ng	# 81
92) Benzo(g,h,i)perylene	17.415	276	12882	2.108	ng	# 90

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

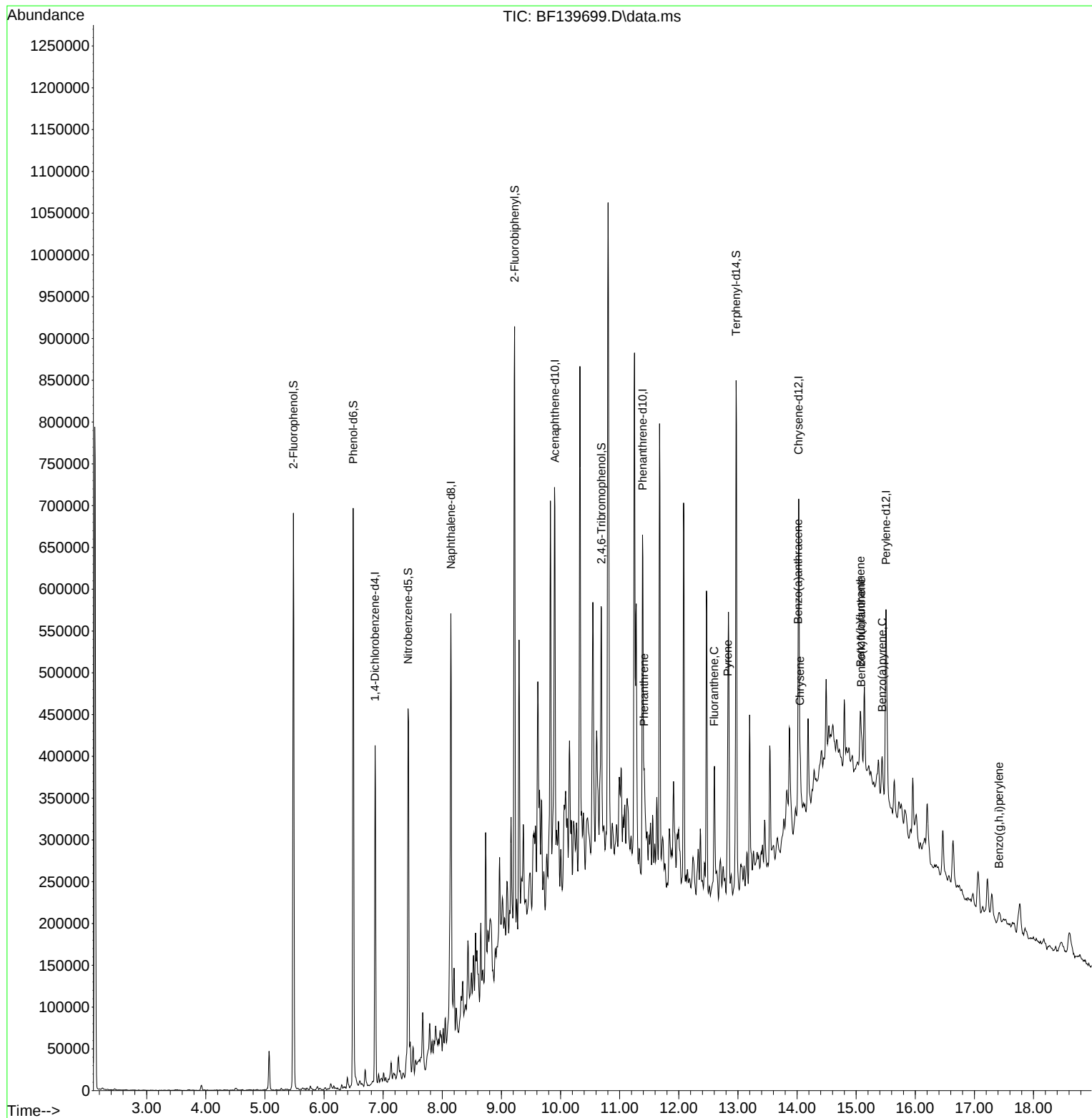
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
Data File : BF139699.D
Acq On : 07 Oct 2024 21:18
Operator : RC/JU
Sample : P4288-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-03-100324

Quant Time: Oct 08 01:14:43 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

Manual Integrations
APPROVED

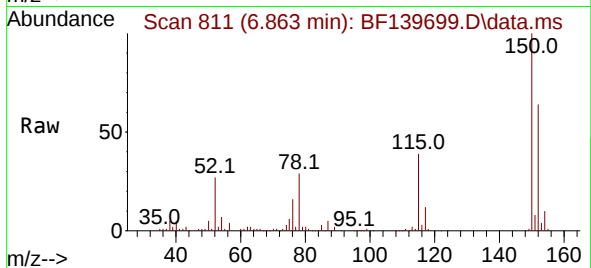
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

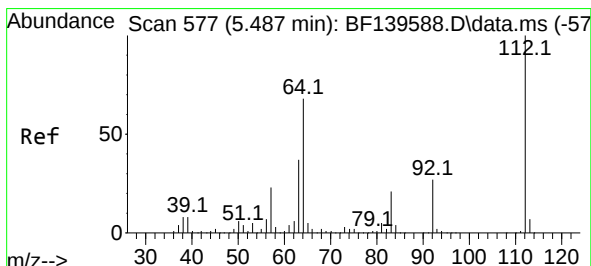
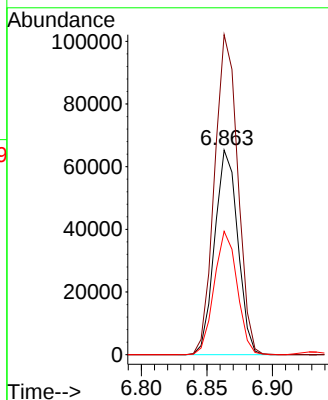
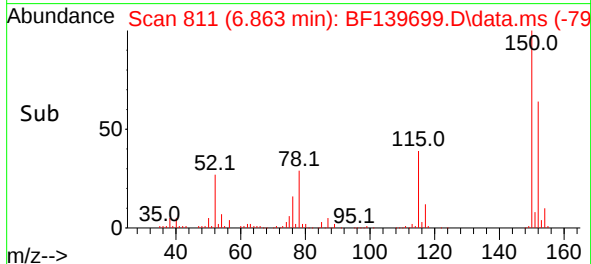
Instrument :
BNA_F
ClientSampleId :
HR-03-100324



Tgt Ion:152 Resp: 7989
Ion Ratio Lower Upper
152 100
150 156.3 127.2 190.8
115 60.3 49.0 73.4

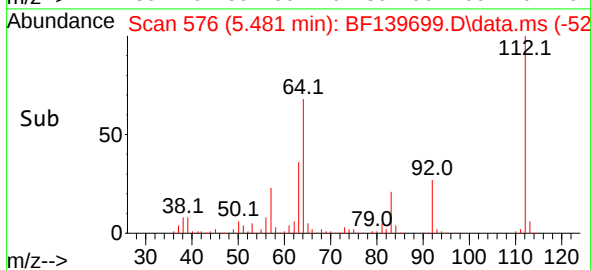
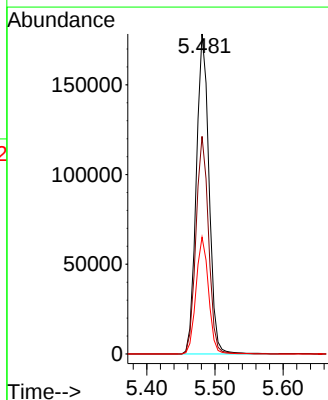
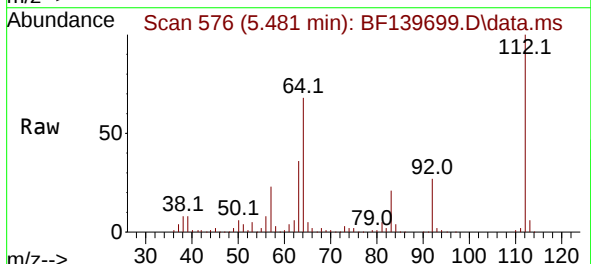
Manual Integrations
APPROVED

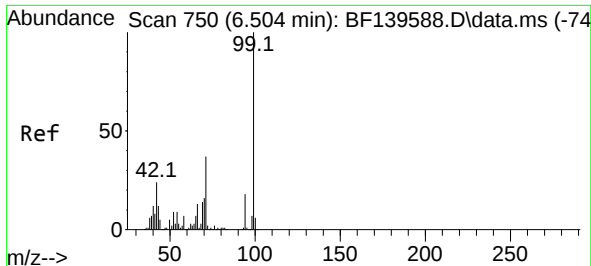
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#5
2-Fluorophenol
Concen: 50.175 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

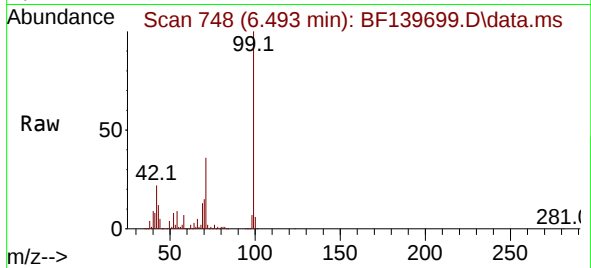
Tgt Ion:112 Resp: 231281
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 36.5 29.4 44.2





#7
Phenol-d6
Concen: 47.945 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

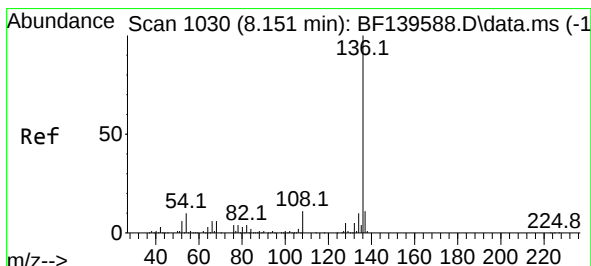
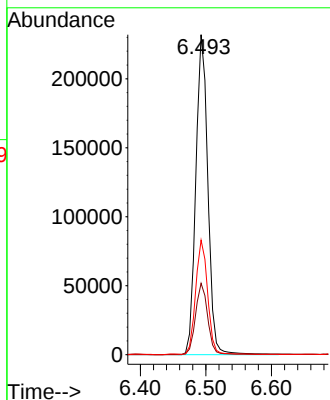
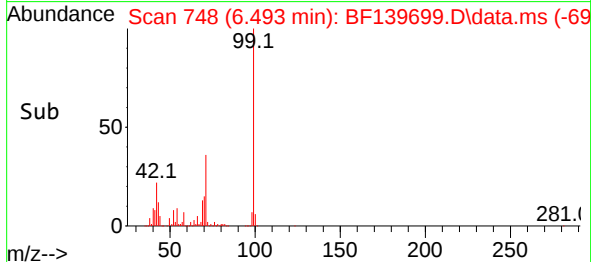
Instrument :
BNA_F
ClientSampleId :
HR-03-100324



Tgt Ion: 99 Resp: 297190
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 35.8 29.7 44.5

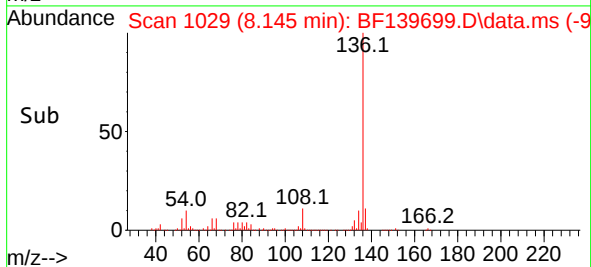
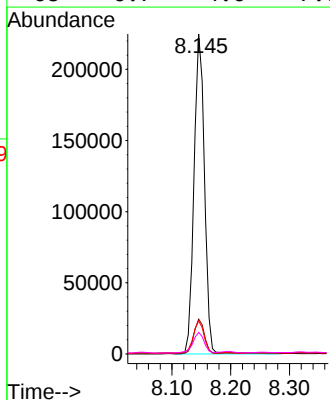
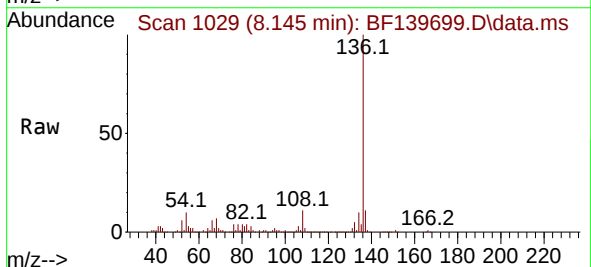
Manual Integrations
APPROVED

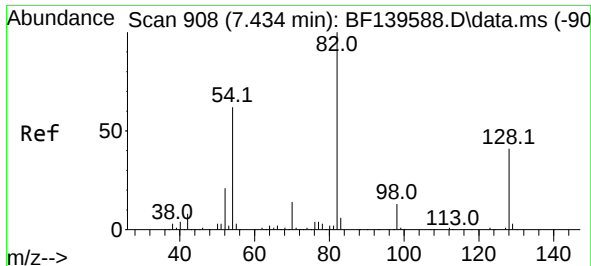
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion:136 Resp: 278568
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.3 8.3 12.5
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 34.045 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139699.D

Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324

Tgt Ion: 82 Resp: 187314

Ion Ratio Lower Upper

82 100

128 40.0 32.4 48.6

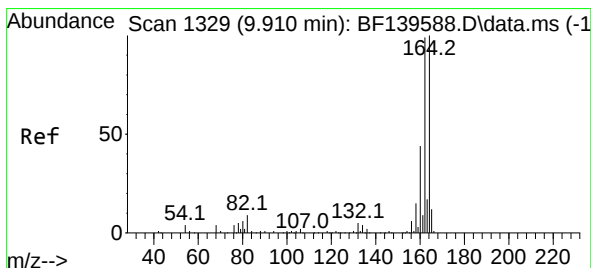
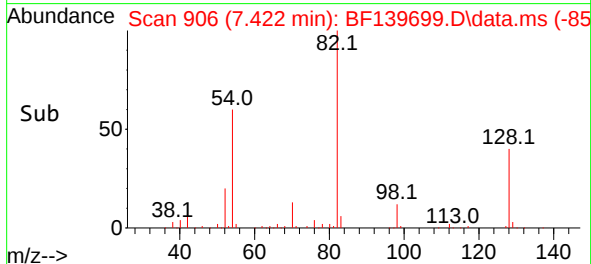
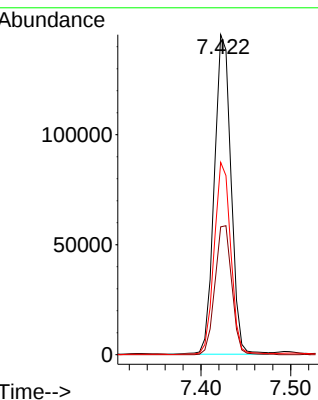
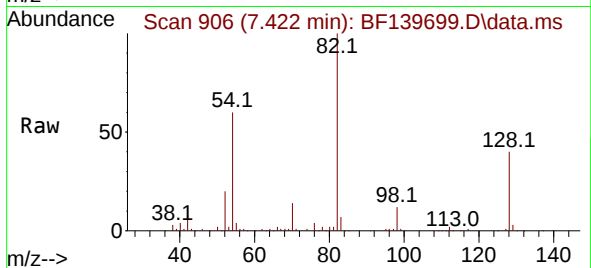
54 60.1 49.1 73.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF139699.D

Acq: 07 Oct 2024 21:18

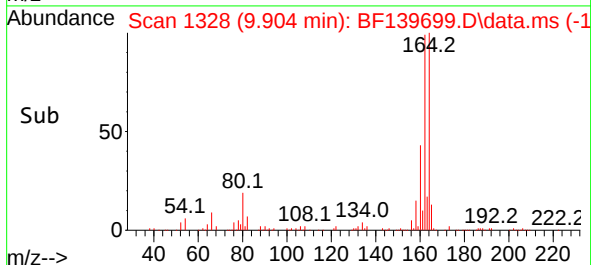
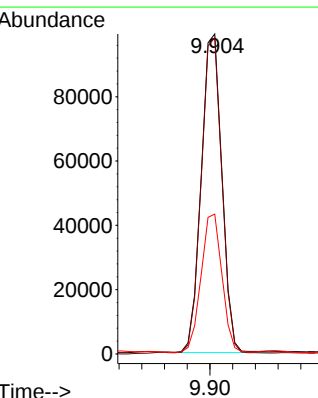
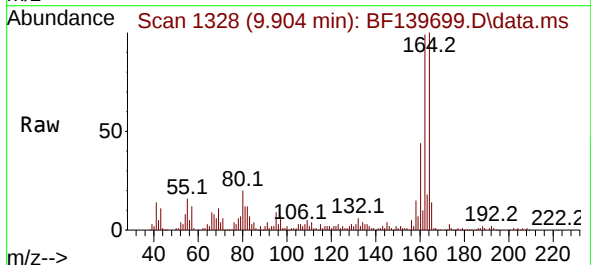
Tgt Ion:164 Resp: 125556

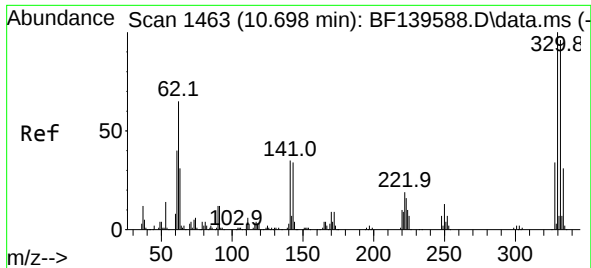
Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.0

160 43.7 35.1 52.7





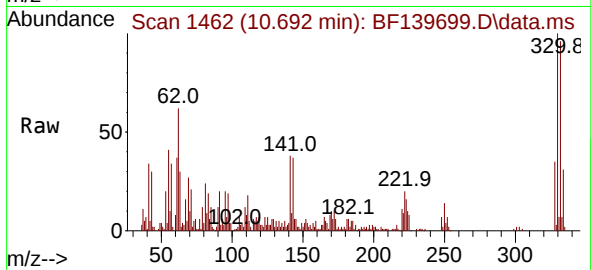
#42
2,4,6-Tribromophenol
Concen: 40.502 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324



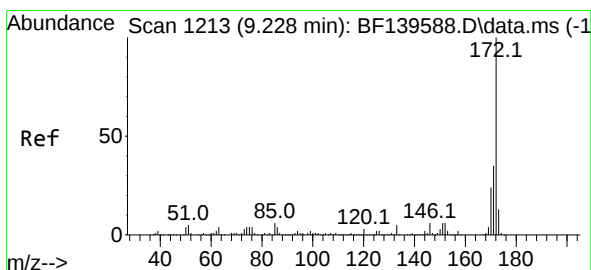
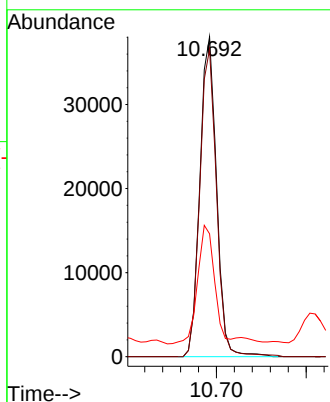
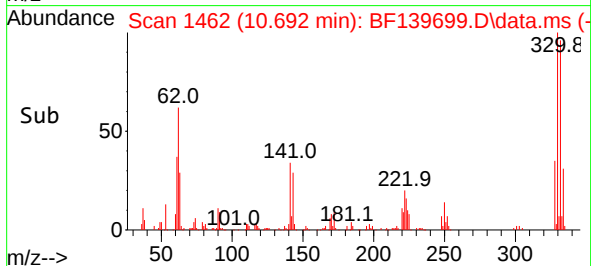
Tgt Ion: 330 Resp: 49090
Ion Ratio Lower Upper
330 100
332 96.2 76.5 114.7
141 37.5 29.3 43.9

Manual Integrations

APPROVED

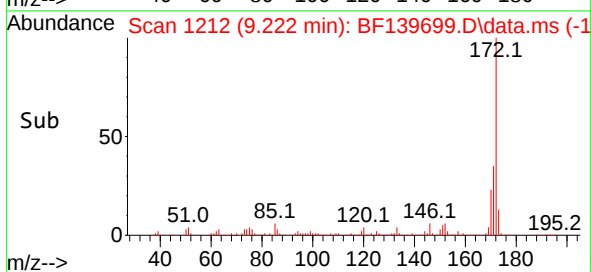
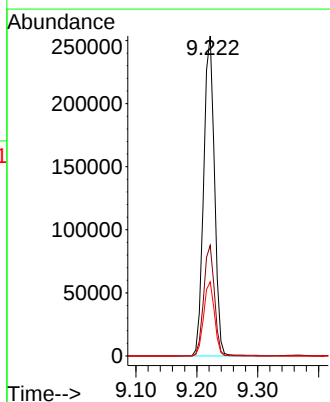
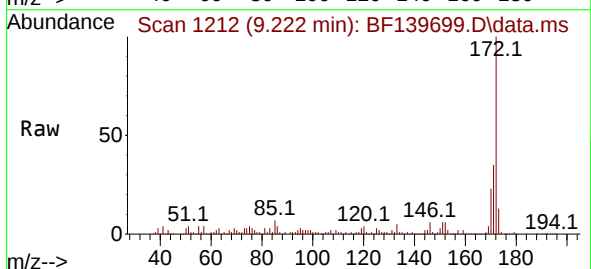
Reviewed By : Yogesh Patel 10/09/2024

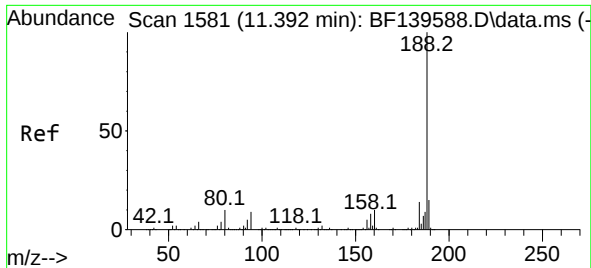
Supervised By : mohammad ahmed 10/09/2024



#45
2-Fluorobiphenyl
Concen: 38.352 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion: 172 Resp: 313664
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.2 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: BF139699.D
Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

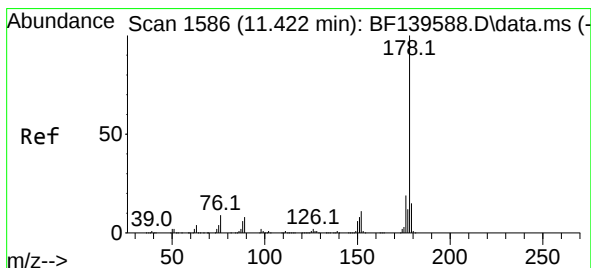
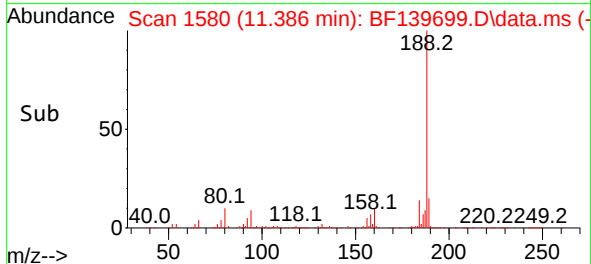
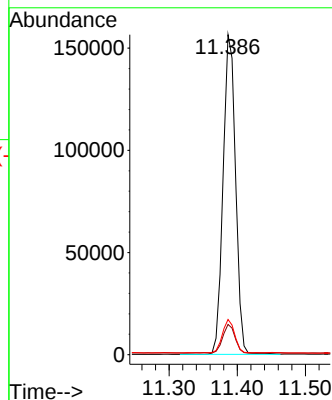
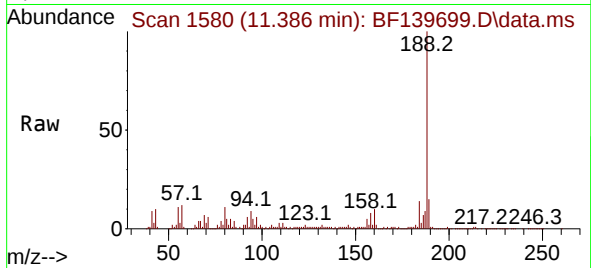
HR-03-100324

Tgt Ion:188 Resp: 199598
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 11.0 8.2 12.2

Manual Integrations

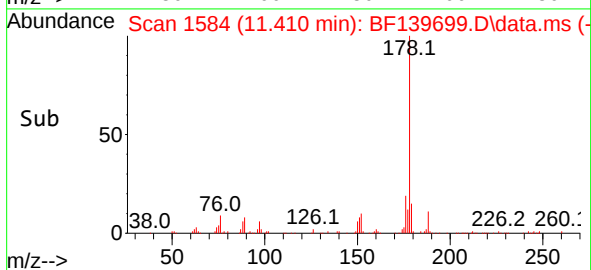
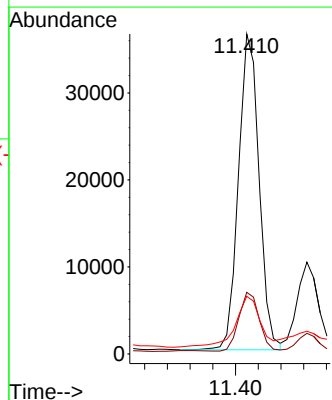
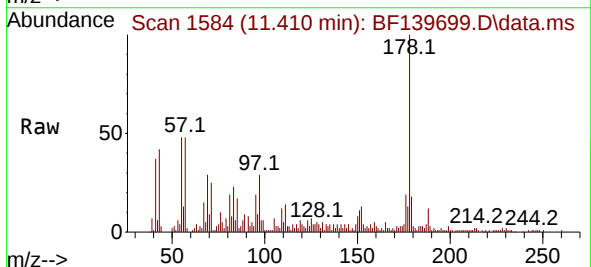
APPROVED

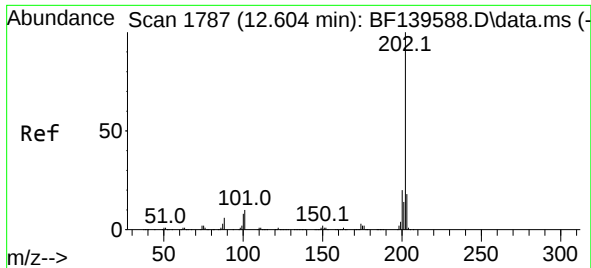
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#71
Phenanthrene
Concen: 4.853 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

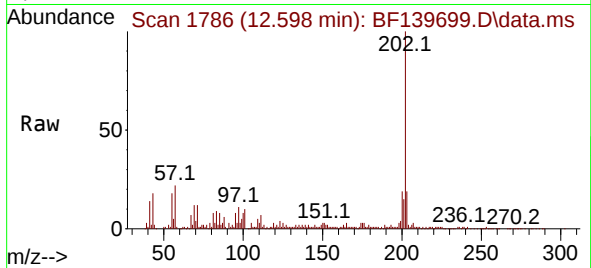
Tgt Ion:178 Resp: 45669
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 18.0 12.3 18.5





#75
Fluoranthene
Concen: 8.335 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

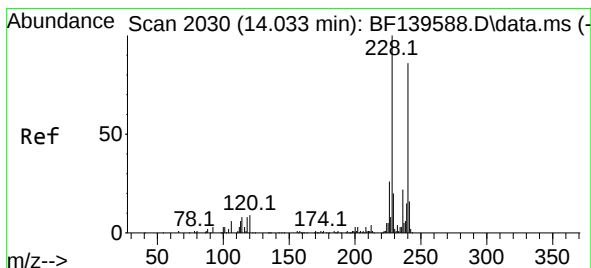
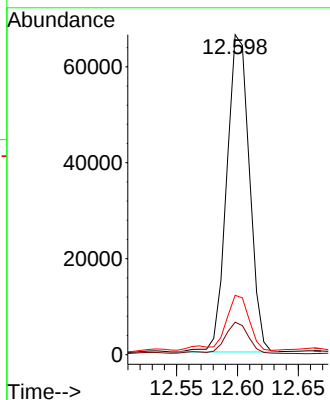
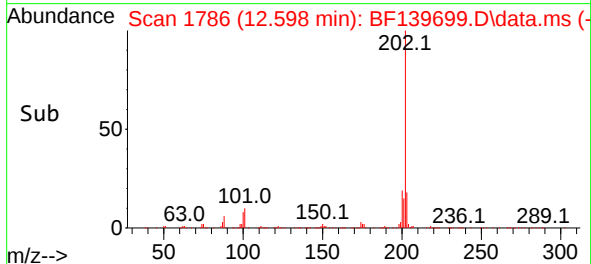
Instrument :
BNA_F
ClientSampleId :
HR-03-100324



Tgt Ion:202 Resp: 85749
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 18.5 0.0 37.7

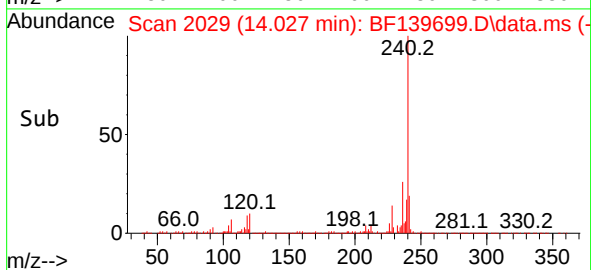
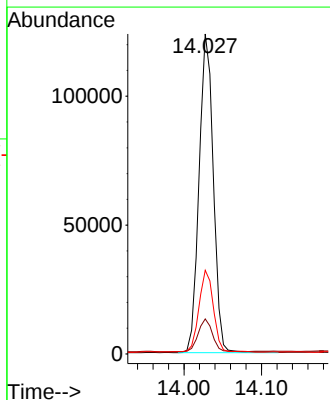
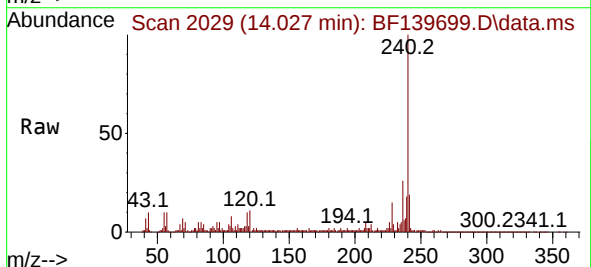
Manual Integrations
APPROVED

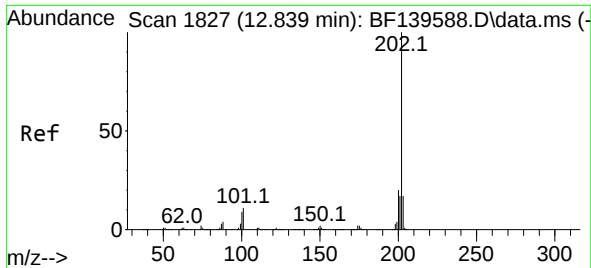
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion:240 Resp: 157998
Ion Ratio Lower Upper
240 100
120 11.0 8.4 12.6
236 26.1 20.3 30.5





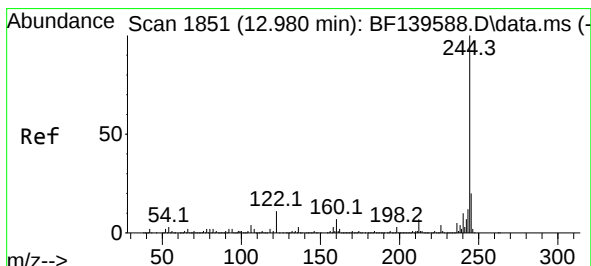
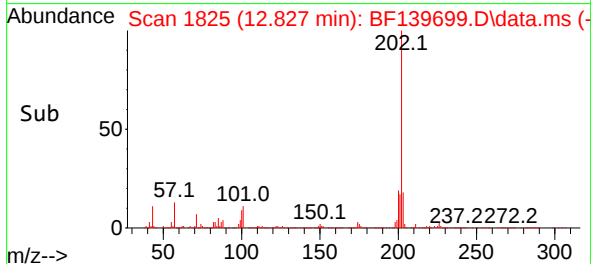
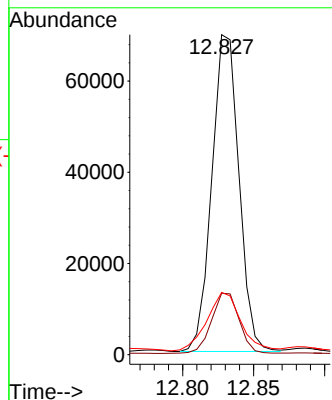
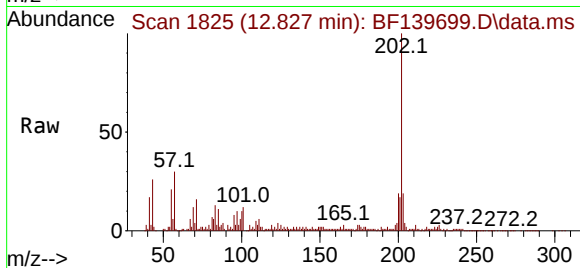
#78
Pyrene
Concen: 6.536 ng
RT: 12.827 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Instrument :
BNA_F
ClientSampleId :
HR-03-100324

Tgt Ion:202 Resp: 92364
Ion Ratio Lower Upper
202 100
200 19.2 15.8 23.6
203 19.5 13.8 20.8

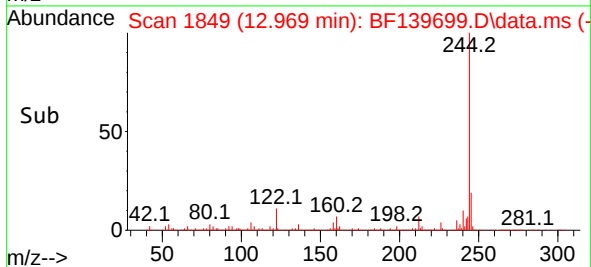
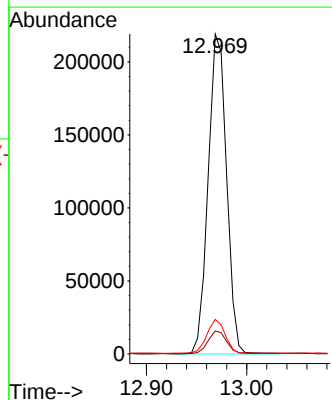
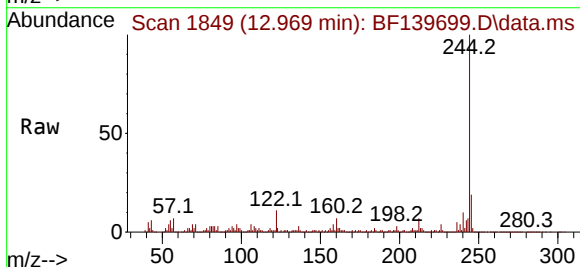
Manual Integrations
APPROVED

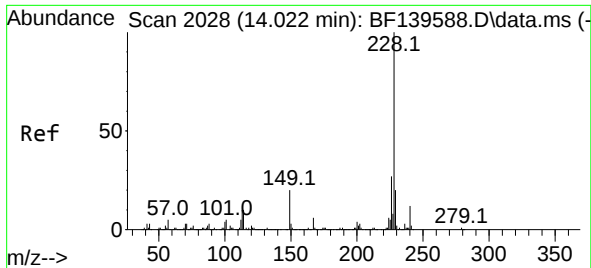
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#79
Terphenyl-d14
Concen: 29.122 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion:244 Resp: 280419
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 3.705 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324

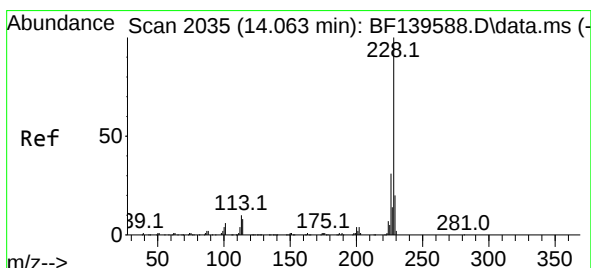
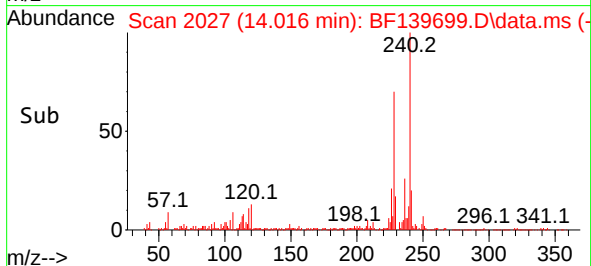
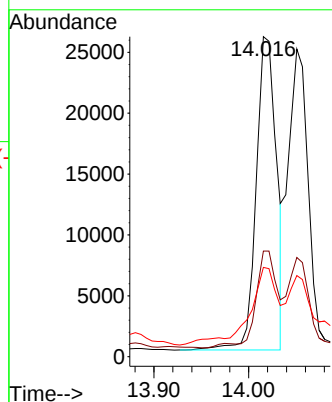
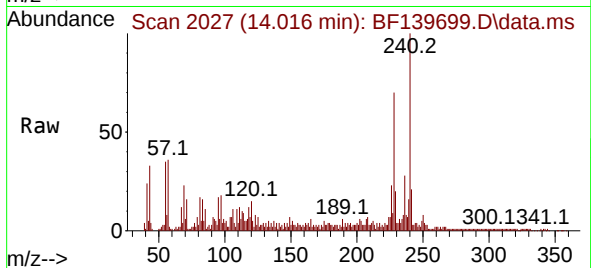
Tgt Ion:228 Resp: 3849
Ion Ratio Lower Upper
228 100
226 33.0 21.8 32.8
229 27.9 15.8 23.8

Manual Integrations

APPROVED

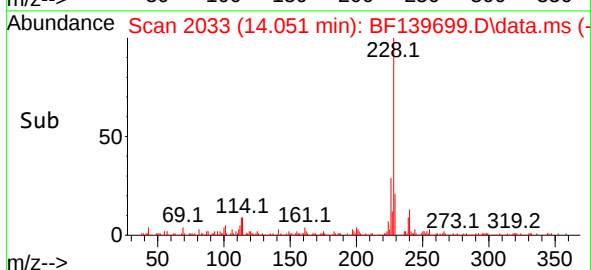
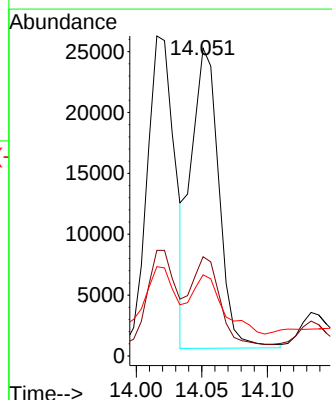
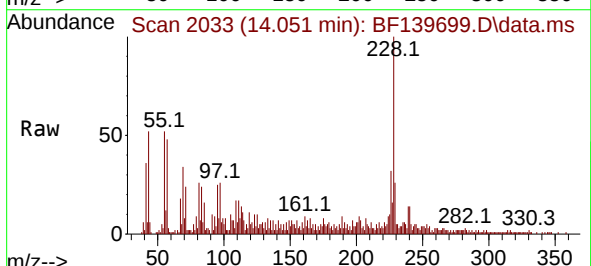
Reviewed By :Yogesh Patel 10/09/2024

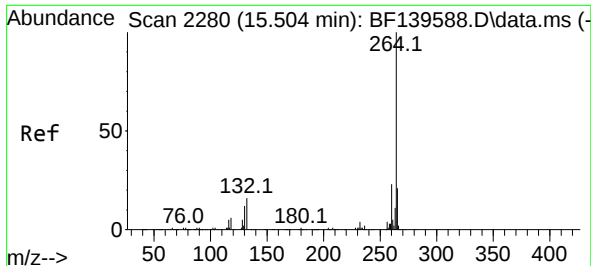
Supervised By :mohammad ahmed 10/09/2024



#83
Chrysene
Concen: 3.818 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion:228 Resp: 36256
Ion Ratio Lower Upper
228 100
226 32.2 24.3 36.5
229 26.4 15.7 23.5





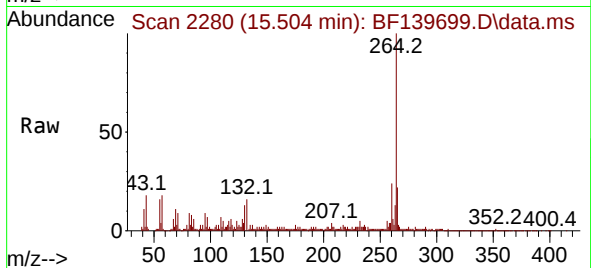
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324



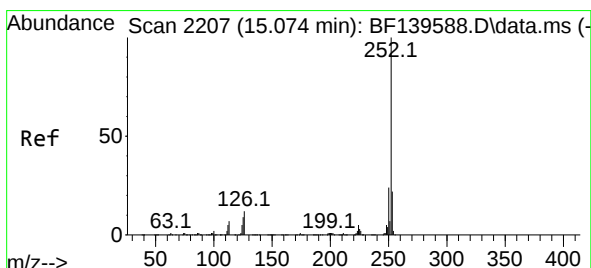
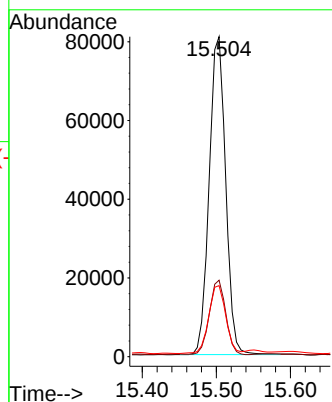
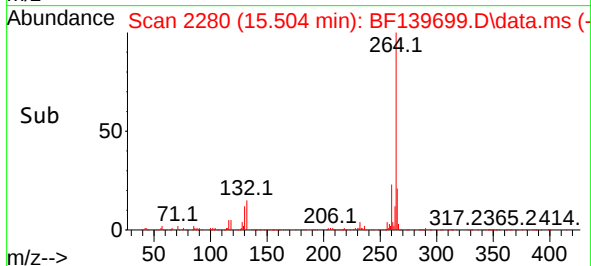
Tgt Ion:264 Resp: 12483
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.2 16.9 25.3

Manual Integrations

APPROVED

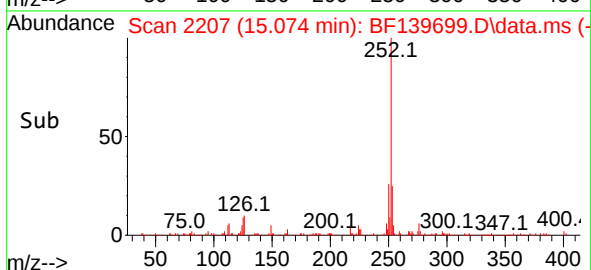
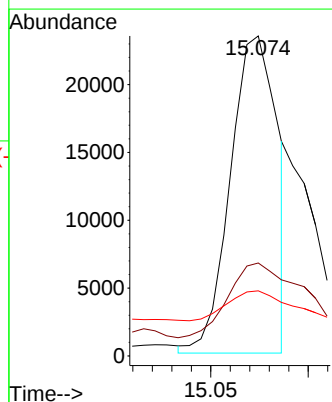
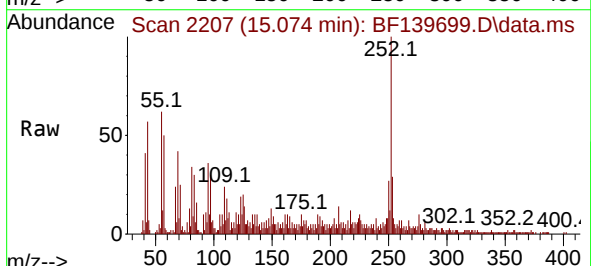
Reviewed By :Yogesh Patel 10/09/2024

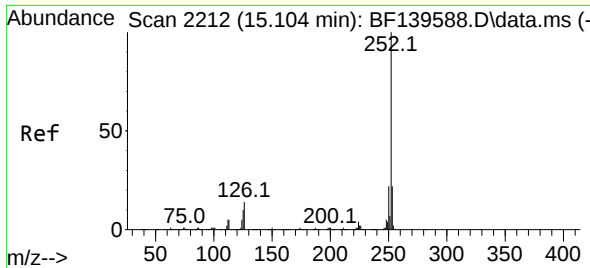
Supervised By :mohammad ahmed 10/09/2024



#88
Benzo(b)fluoranthene
Concen: 4.875 ng m
RT: 15.074 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF139699.D
Acq: 07 Oct 2024 21:18

Tgt Ion:252 Resp: 39346
Ion Ratio Lower Upper
252 100
253 29.0 17.4 26.0#
125 20.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.169 ng m

RT: 15.086 min Scan# 2212

Delta R.T. -0.018 min

Lab File: BF139699.D

Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324

Tgt Ion:252 Resp: 1484

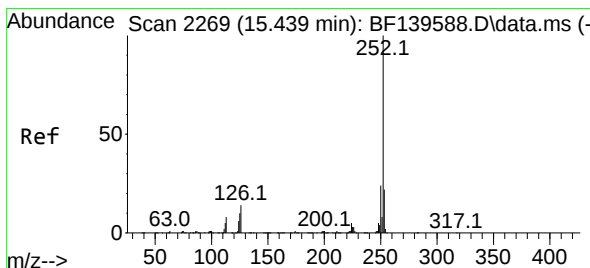
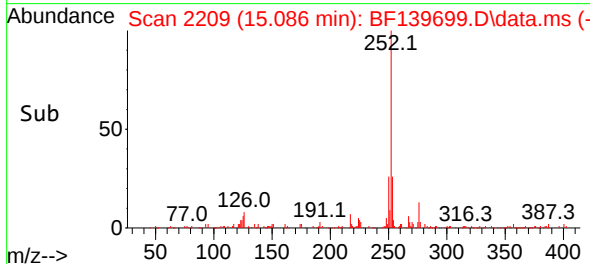
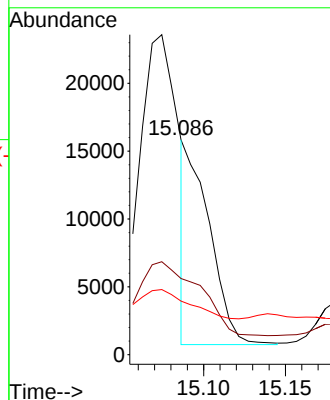
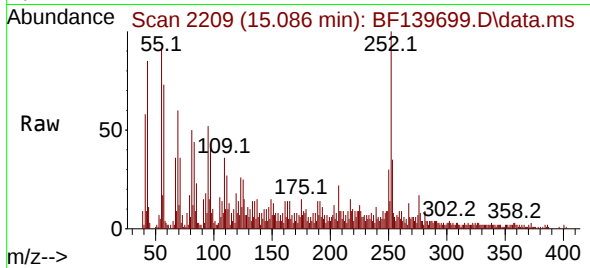
Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.5	26.3
125	24.9	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024



#90

Benzo(a)pyrene

Concen: 4.126 ng

RT: 15.439 min Scan# 2269

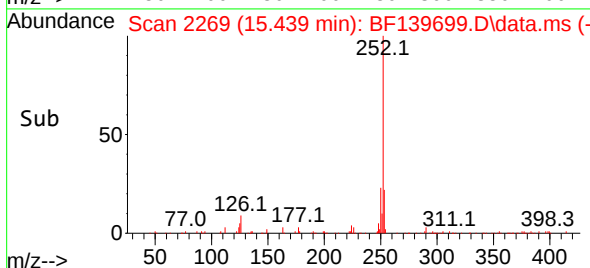
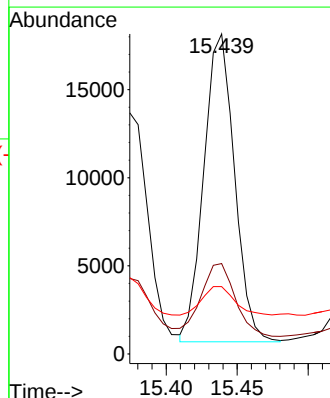
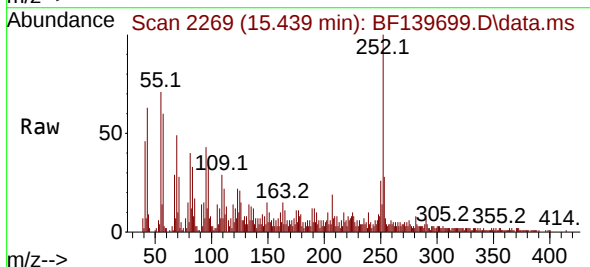
Delta R.T. 0.000 min

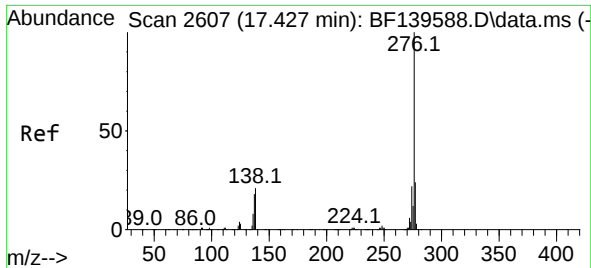
Lab File: BF139699.D

Acq: 07 Oct 2024 21:18

Tgt Ion:252 Resp: 26262

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.3	25.9
125	21.1	8.3	12.5





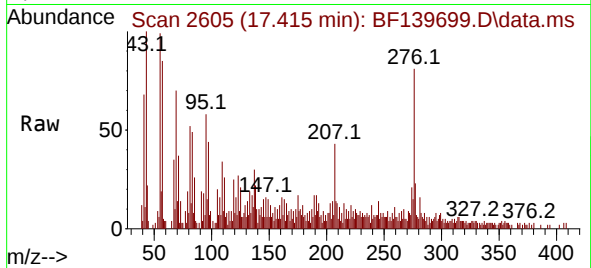
#92
 Benzo(g,h,i)perylene
 Concen: 2.108 ng
 RT: 17.415 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139699.D
 Acq: 07 Oct 2024 21:18

Instrument :

BNA_F

ClientSampleId :

HR-03-100324



Tgt Ion:276	Resp:	1288
Ion Ratio	Lower	Upper
276	100	
277	27.7	19.0 28.6
138	27.5	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024

