

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140284.D
 Acq On : 07 Nov 2024 19:18
 Operator : RC/JU
 Sample : P4700-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:30:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	137866	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	483639	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	221709	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	369560	20.000	ng	0.00
76) Chrysene-d12	14.057	240	272097	20.000	ng	0.00
86) Perylene-d12	15.557	264	205210	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	109364	13.146	ng	0.00
7) Phenol-d6	6.493	99	138699	12.962	ng	-0.01
23) Nitrobenzene-d5	7.434	82	82502	8.481	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	25880	11.809	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	152726	11.000	ng	0.00
79) Terphenyl-d14	12.992	244	151212	9.104	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	53705	3.045	ng	98
75) Fluoranthene	12.622	202	136964	7.427	ng	98
78) Pyrene	12.851	202	133585	5.946	ng	99
81) Benzo(a)anthracene	14.045	228	64442	3.690	ng	94
83) Chrysene	14.080	228	47937	2.932	ng	96
88) Benzo(b)fluoranthene	15.121	252	53104m	4.278	ng	
90) Benzo(a)pyrene	15.492	252	34362	3.358	ng	# 85
92) Benzo(g,h,i)perylene	17.515	276	22485	2.224	ng	# 91

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

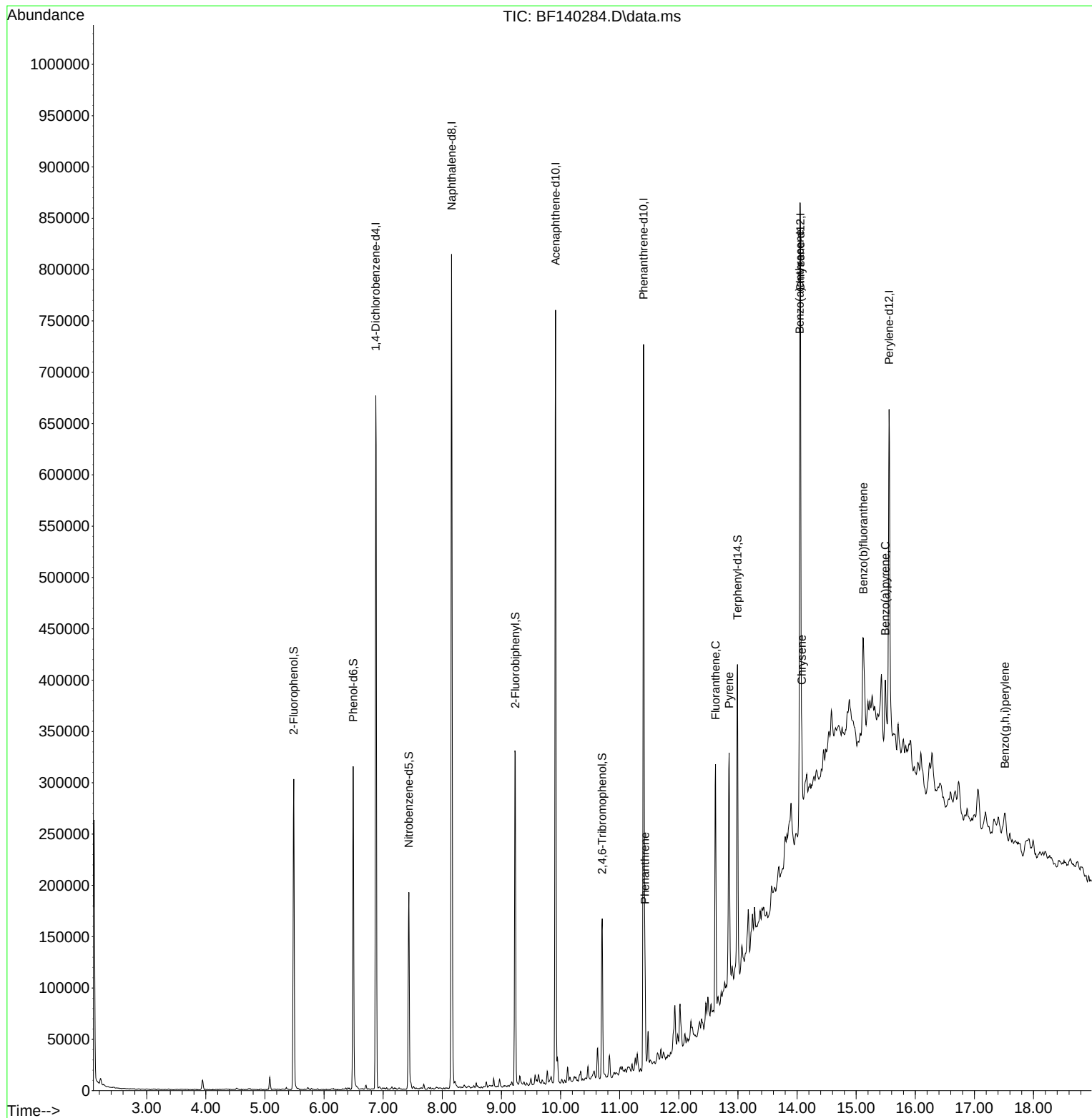
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140284.D
Acq On : 07 Nov 2024 19:18
Operator : RC/JU
Sample : P4700-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

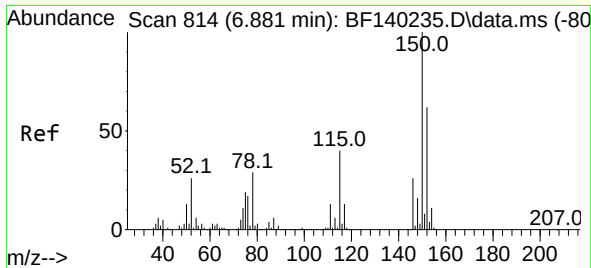
Instrument :
BNA_F
ClientSampleId :
MH-8

Quant Time: Nov 08 01:30:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

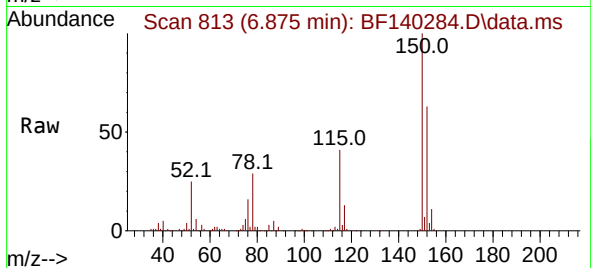
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

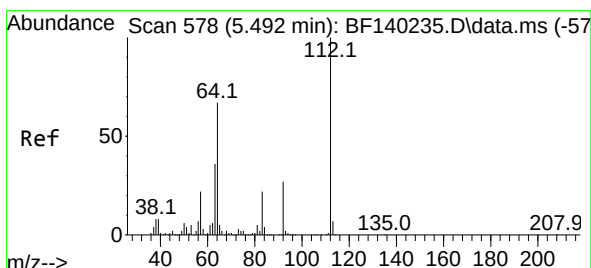
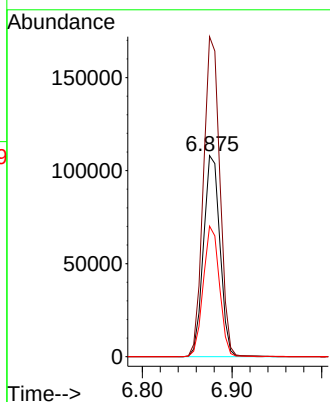
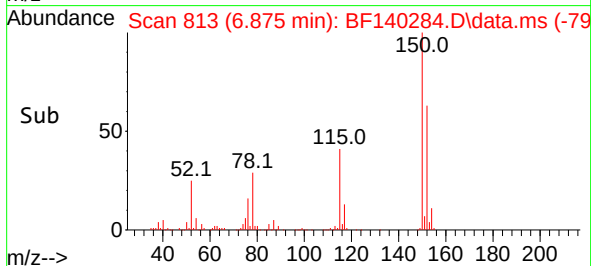
Instrument :
BNA_F
ClientSampleId :
MH-8



Tgt Ion:152 Resp: 137860
Ion Ratio Lower Upper
152 100
150 159.1 129.4 194.2
115 64.9 51.5 77.3

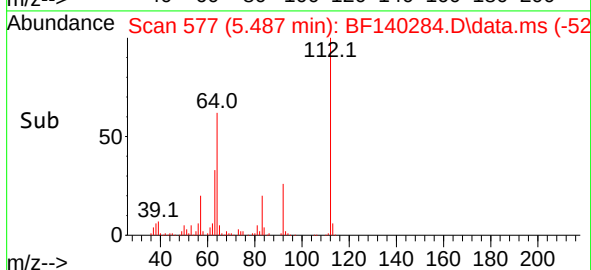
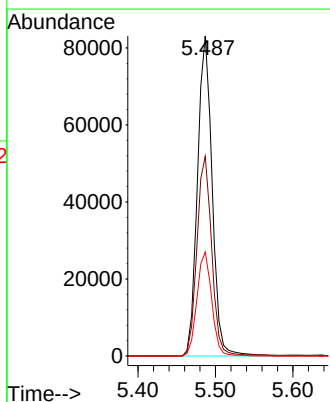
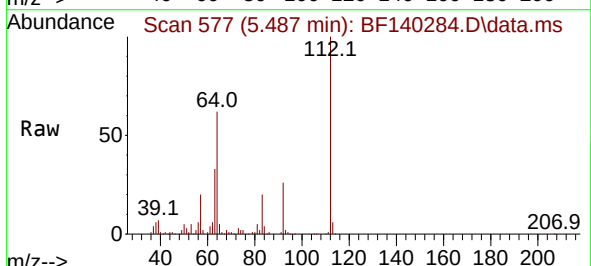
Manual Integrations
APPROVED

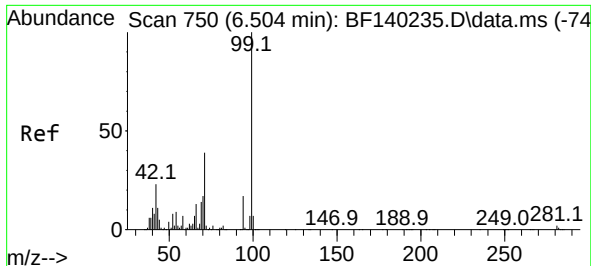
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 13.146 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

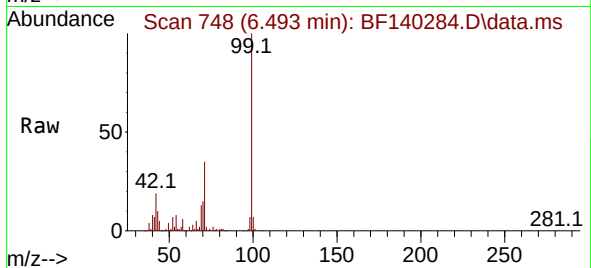
Tgt Ion:112 Resp: 109364
Ion Ratio Lower Upper
112 100
64 62.4 53.4 80.2
63 32.5 28.9 43.3





#7
Phenol-d6
Concen: 12.962 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

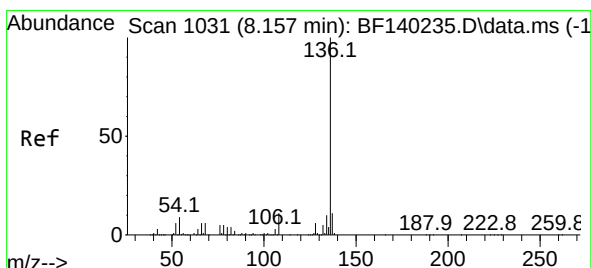
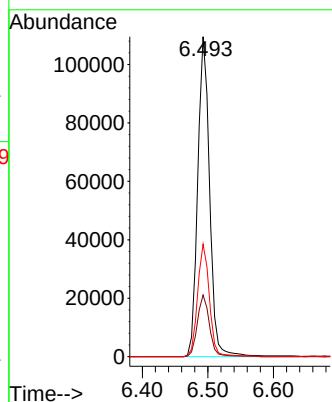
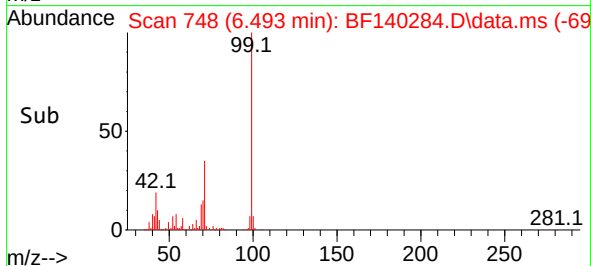
Instrument :
BNA_F
ClientSampleId :
MH-8



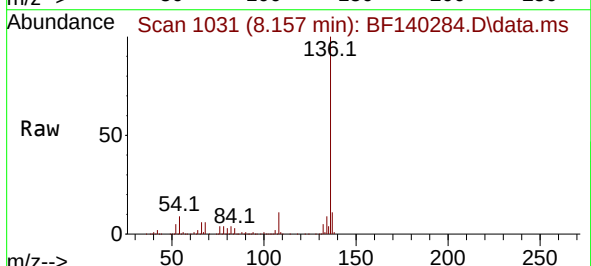
Tgt Ion: 99 Resp: 138699
Ion Ratio Lower Upper
99 100
42 19.2 18.2 27.2
71 35.2 30.9 46.3

Manual Integrations
APPROVED

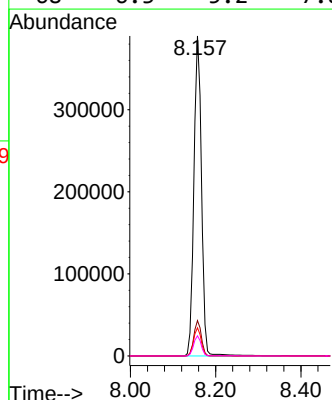
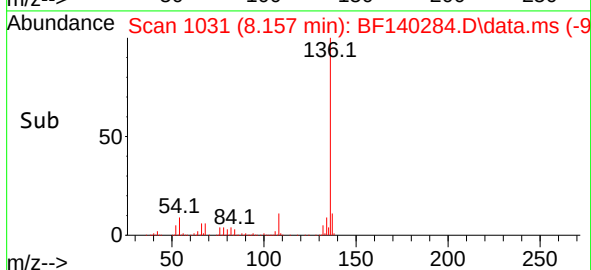
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

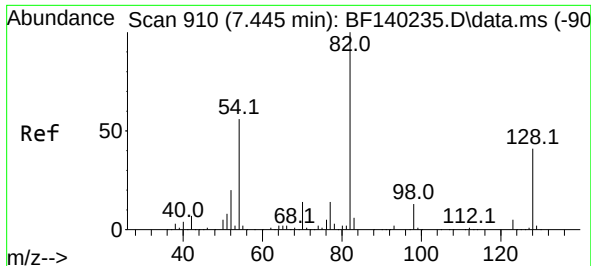


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18



Tgt Ion:136 Resp: 483639
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 8.8 7.7 11.5
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 8.481 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

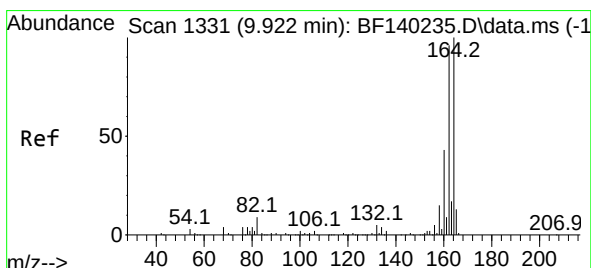
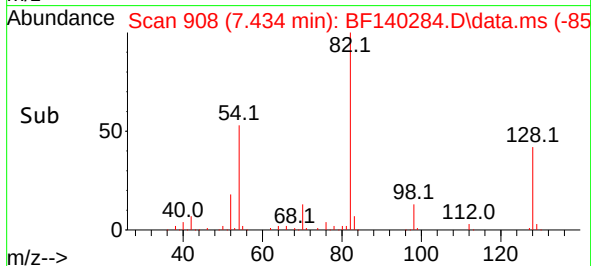
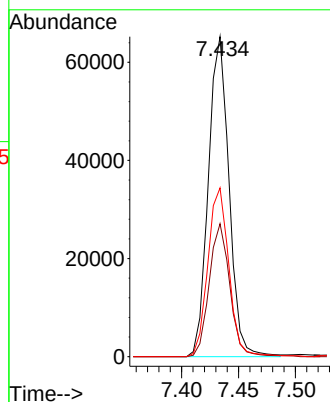
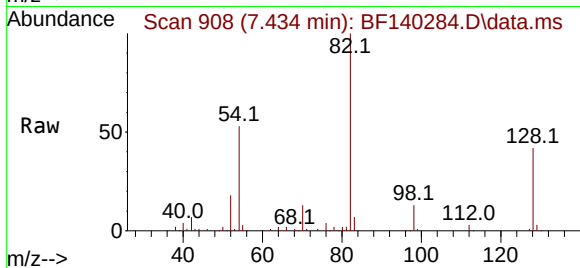
Tgt Ion: 82	Resp: 8250
Ion Ratio	Lower Upper
82	100
128	41.5 32.8 49.2
54	52.7 44.3 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

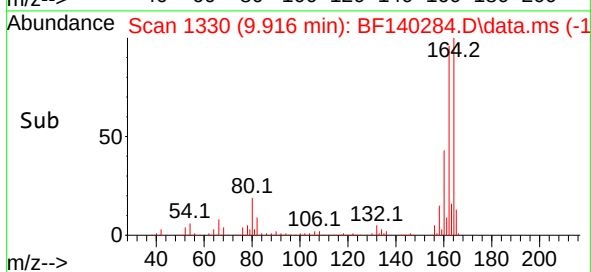
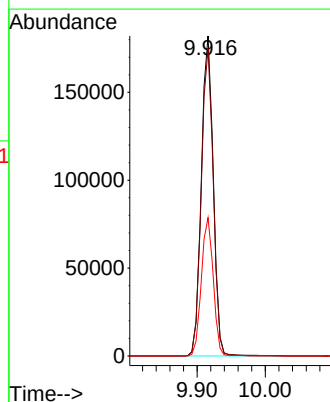
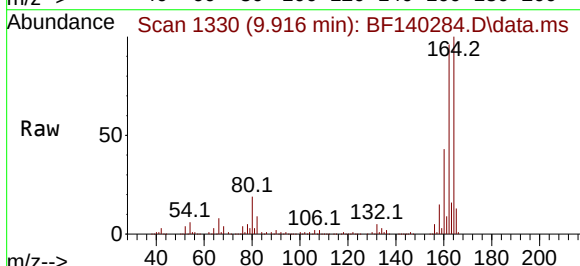
RT: 9.916 min Scan# 1330

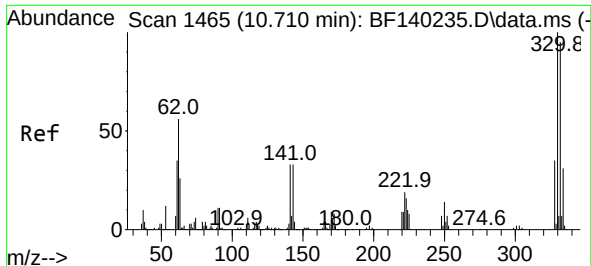
Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Tgt Ion:164	Resp: 221709
Ion Ratio	Lower Upper
164	100
162	96.1 77.0 115.4
160	43.2 34.1 51.1





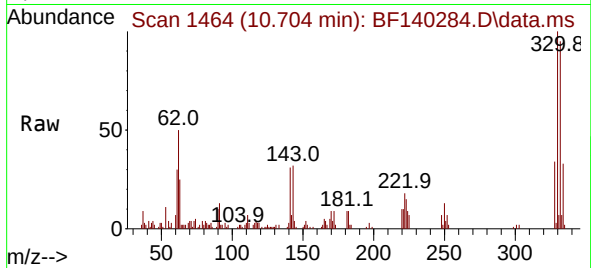
#42
2,4,6-Tribromophenol
Concen: 11.809 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8



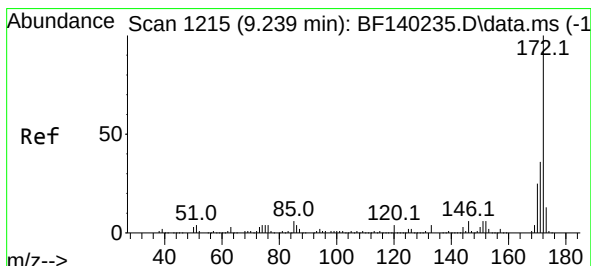
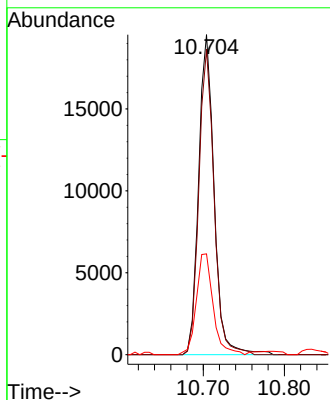
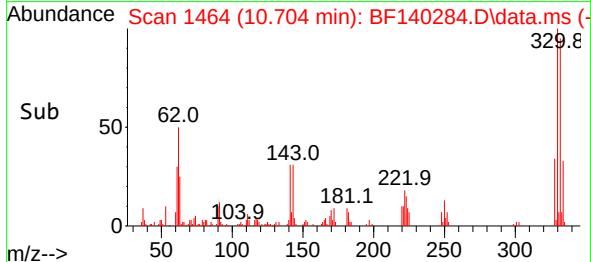
Tgt Ion:330 Resp: 25880
Ion Ratio Lower Upper
330 100
332 93.7 76.4 114.6
141 34.2 27.0 40.4

Manual Integrations

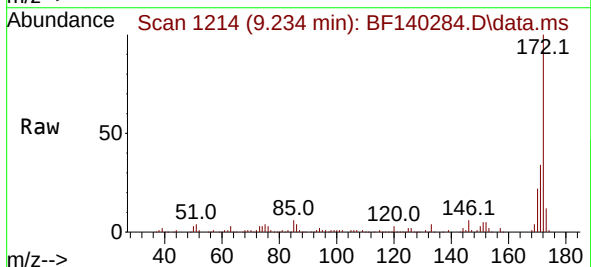
APPROVED

Reviewed By :Yogesh Patel 11/08/2024

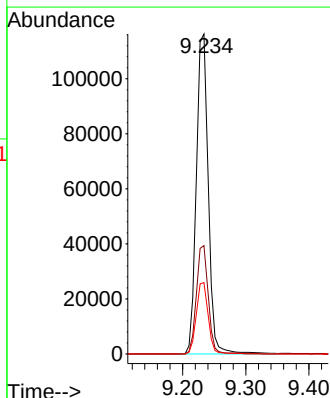
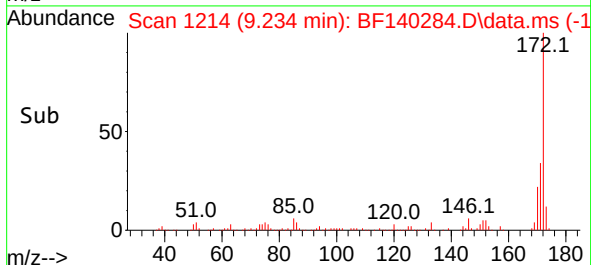
Supervised By :mohammad ahmed 11/11/2024

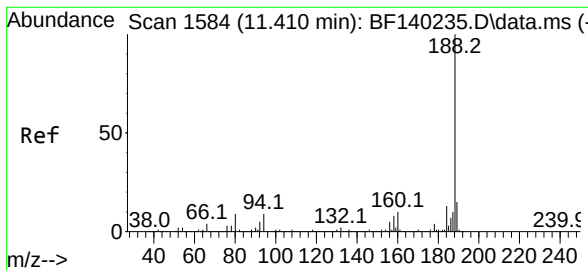


#45
2-Fluorobiphenyl
Concen: 11.000 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18



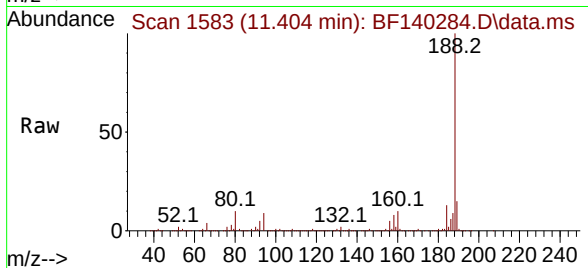
Tgt Ion:172 Resp: 152726
Ion Ratio Lower Upper
172 100
171 33.9 28.8 43.2
170 22.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

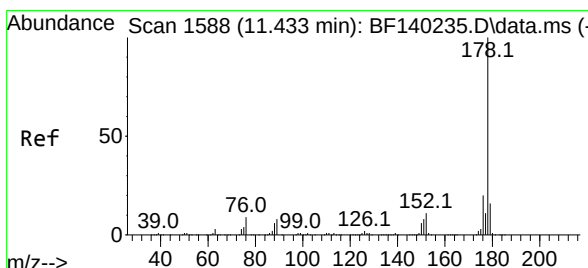
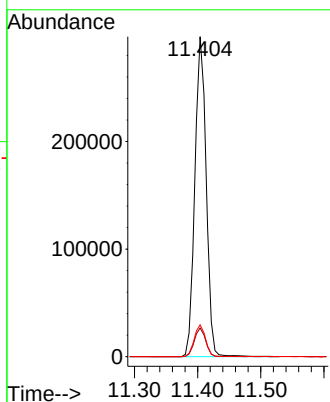
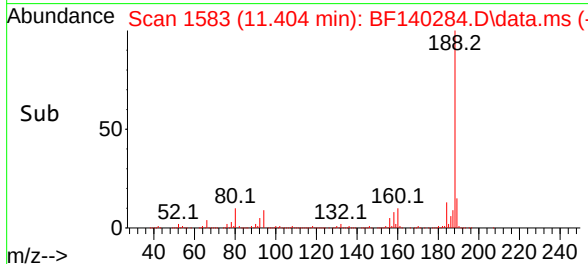
Instrument :
BNA_F
ClientSampleId :
MH-8



Tgt Ion:188 Resp: 369560
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 9.9 7.5 11.3

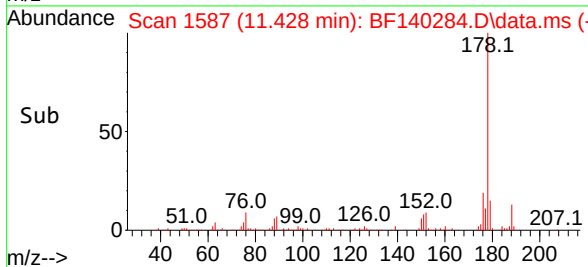
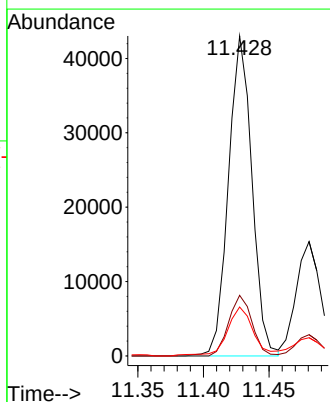
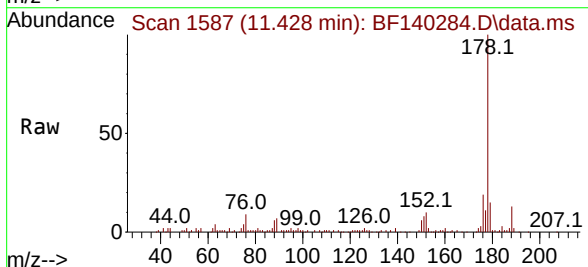
Manual Integrations
APPROVED

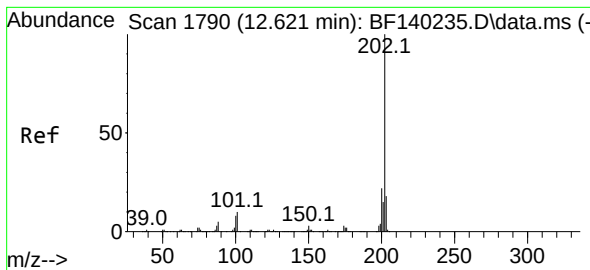
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 3.045 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

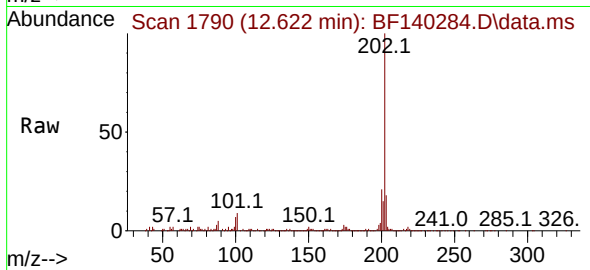
Tgt Ion:178 Resp: 53705
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.3 12.6 18.8





#75
Fluoranthene
Concen: 7.427 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

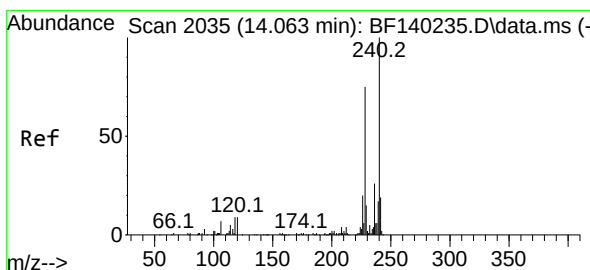
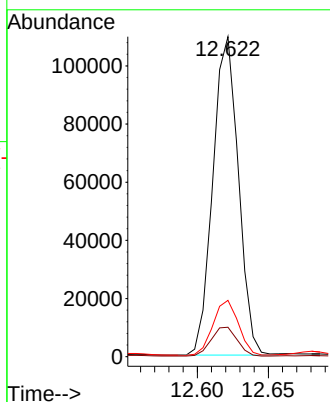
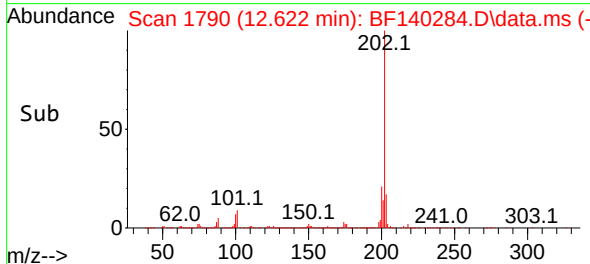
Instrument :
BNA_F
ClientSampleId :
MH-8



Tgt Ion:202 Resp: 136964
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.4
203 17.6 0.0 38.0

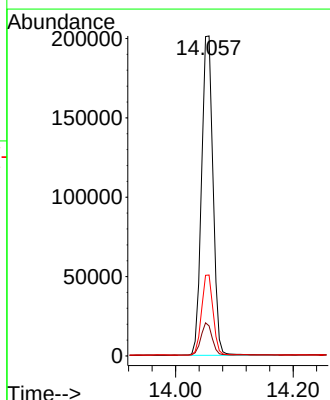
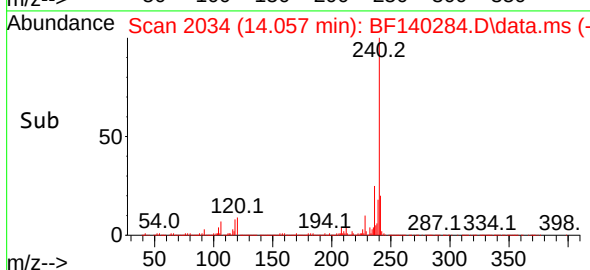
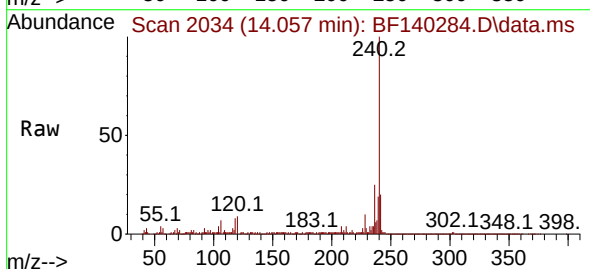
Manual Integrations
APPROVED

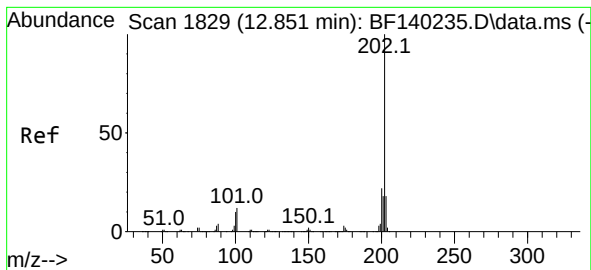
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:240 Resp: 272097
Ion Ratio Lower Upper
240 100
120 9.4 7.5 11.3
236 25.3 20.9 31.3





#78

Pyrene

Concen: 5.946 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

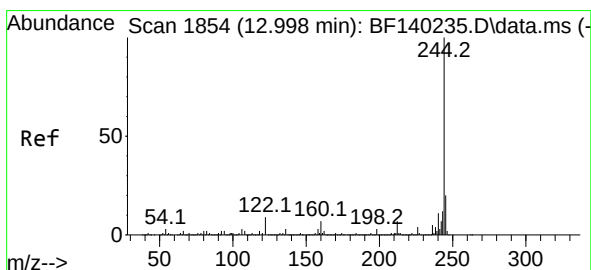
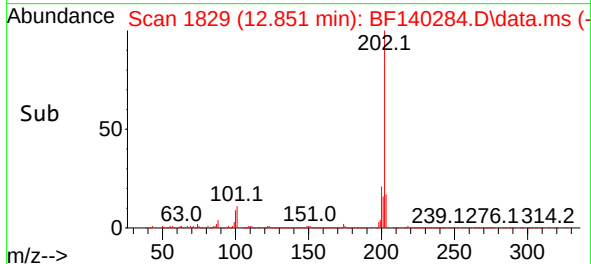
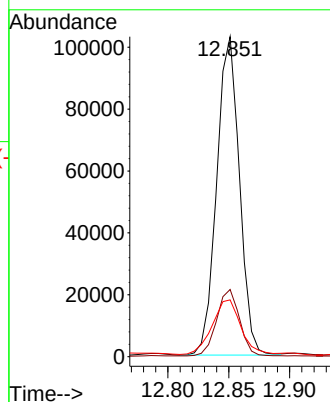
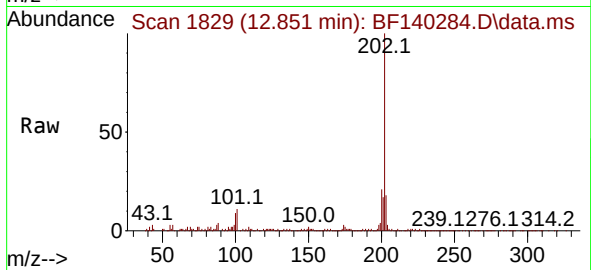
Tgt Ion:	202	Resp:	13358
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.5	26.3
203	17.8	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#79

Terphenyl-d14

Concen: 9.104 ng

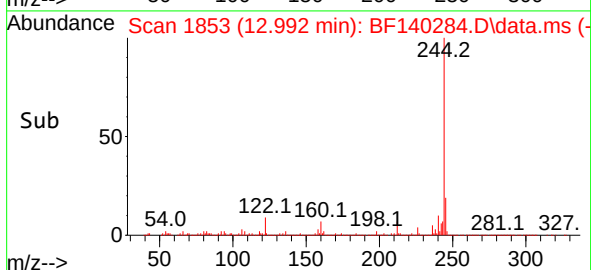
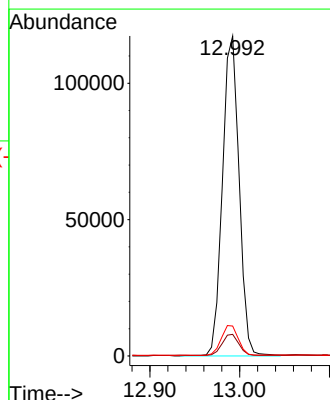
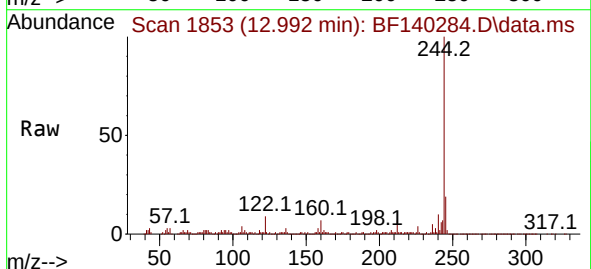
RT: 12.992 min Scan# 1853

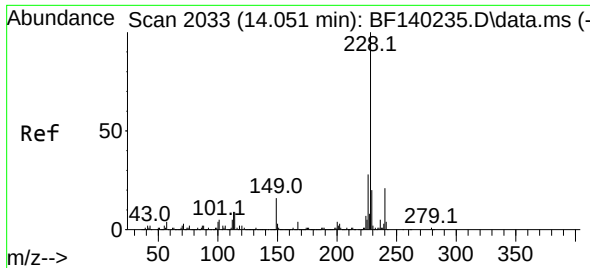
Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Tgt Ion:	244	Resp:	151212
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	9.3	7.6	11.4





#81
Benzo(a)anthracene
Concen: 3.690 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

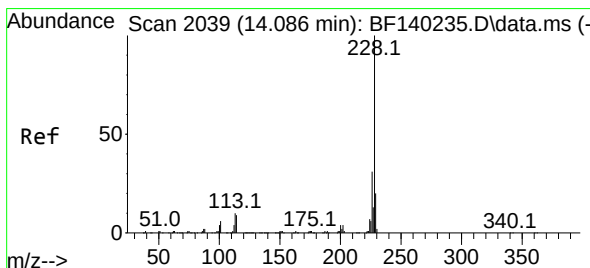
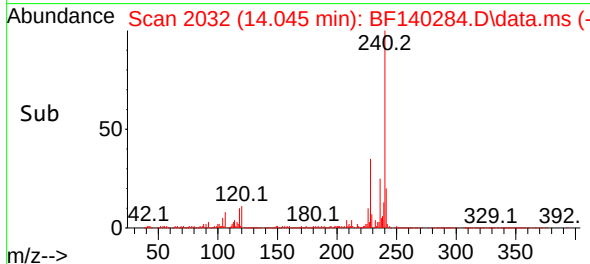
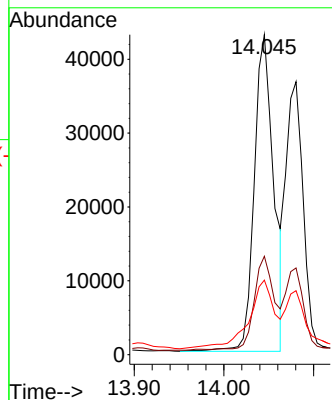
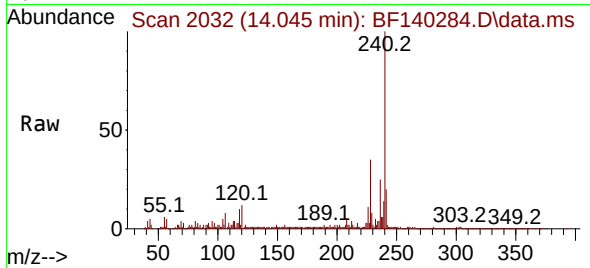
MH-8

Tgt Ion:228 Resp: 6444
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 23.3 16.1 24.1

Manual Integrations

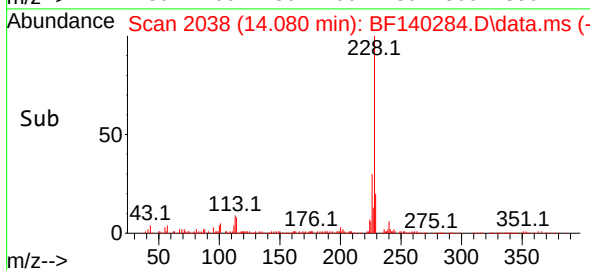
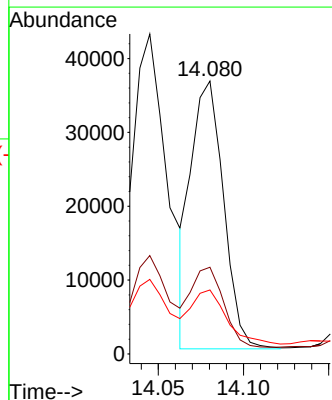
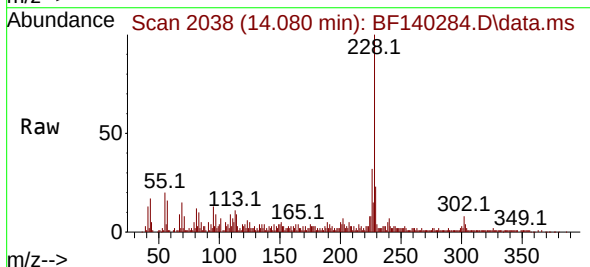
APPROVED

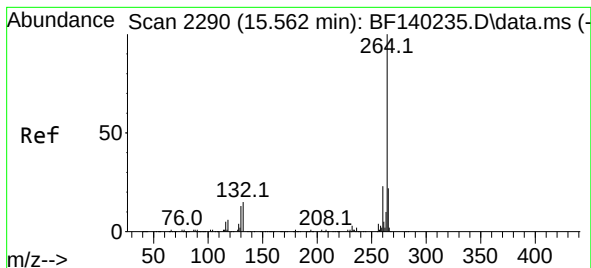
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 2.932 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:228 Resp: 47937
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 23.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

Tgt Ion:264 Resp: 205210

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

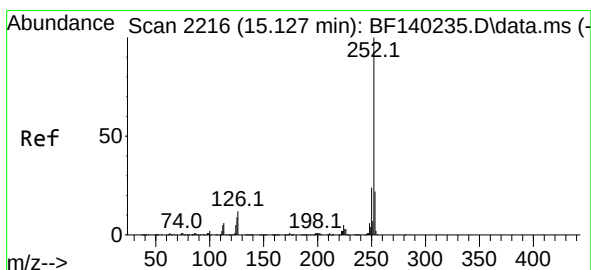
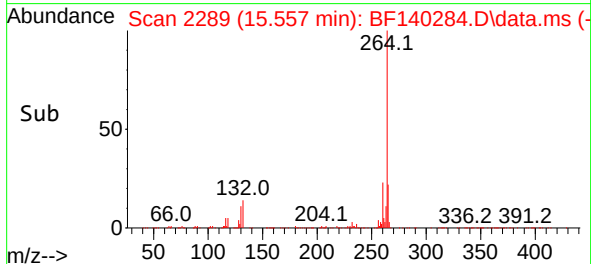
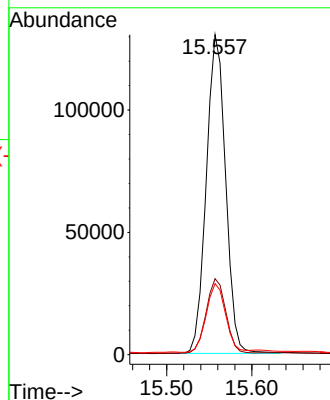
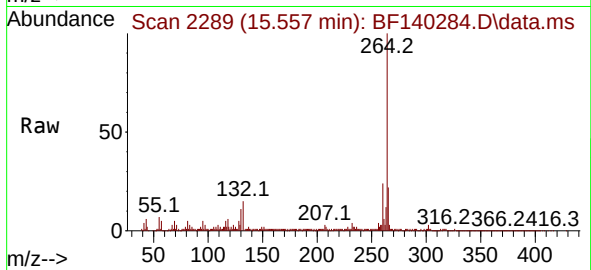
265 22.2 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 4.278 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

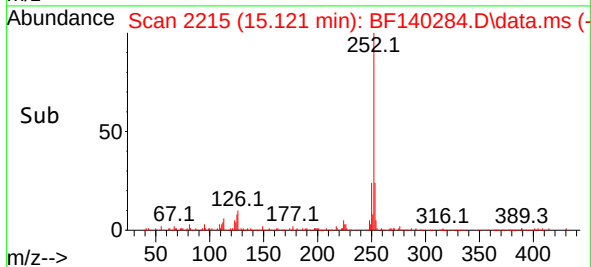
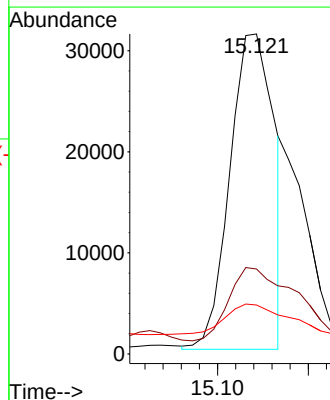
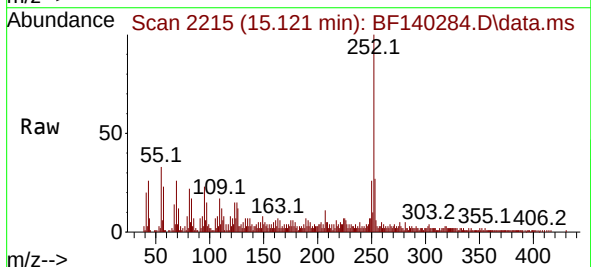
Tgt Ion:252 Resp: 53104

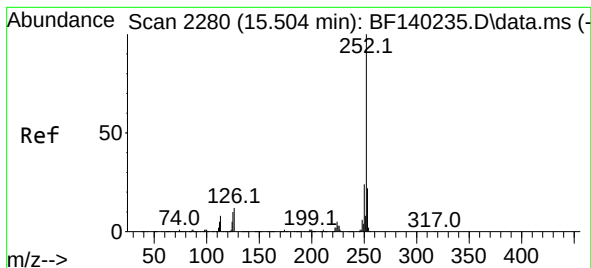
Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 15.3 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 3.358 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

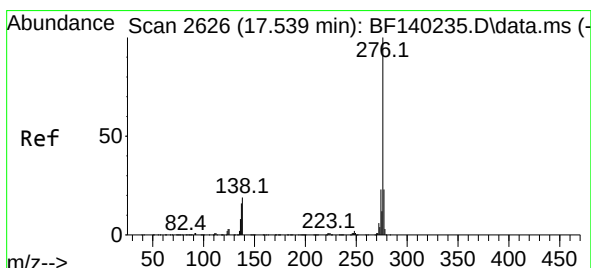
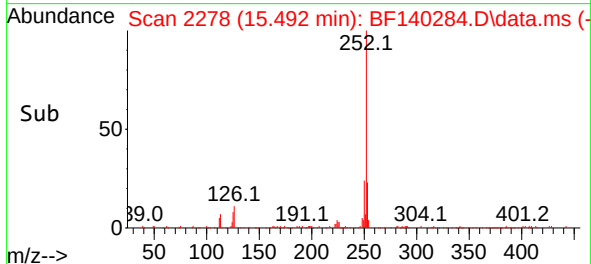
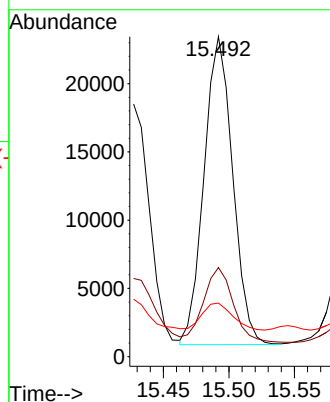
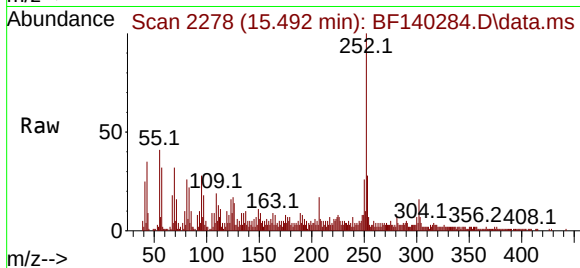
Tgt Ion:	252	Resp:	3436
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.4	26.0
125	16.7	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#92

Benzo(g,h,i)perylene

Concen: 2.224 ng

RT: 17.515 min Scan# 2622

Delta R.T. -0.023 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Tgt Ion:	276	Resp:	22485
Ion Ratio	Lower	Upper	
276	100		
277	28.0	18.8	28.2
138	23.0	15.3	22.9

