

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110124\
 Data File : BF140211.D
 Acq On : 01 Nov 2024 15:20
 Operator : RC/JU
 Sample : P4659-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-2

Quant Time: Nov 01 16:00:49 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103728	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	409862	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	230762	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	401019	20.000	ng	0.00
76) Chrysene-d12	14.068	240	192945	20.000	ng	0.02
86) Perylene-d12	15.562	264	220794	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	590649	89.142	ng	0.00
7) Phenol-d6	6.504	99	770217	89.752	ng	0.00
23) Nitrobenzene-d5	7.439	82	522432	70.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	206085	95.477	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	876561	62.779	ng	-0.01
79) Terphenyl-d14	13.010	244	802492	67.773	ng	0.01
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	56351	2.943	ng	100
78) Pyrene	12.863	202	59245	3.508	ng	99
81) Benzo(a)anthracene	14.057	228	28631	2.280	ng	97
83) Chrysene	14.092	228	26577	2.308	ng	98
88) Benzo(b)fluoranthene	15.121	252	42830m	3.184	ng	
90) Benzo(a)pyrene	15.498	252	31191	2.818	ng	# 95

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

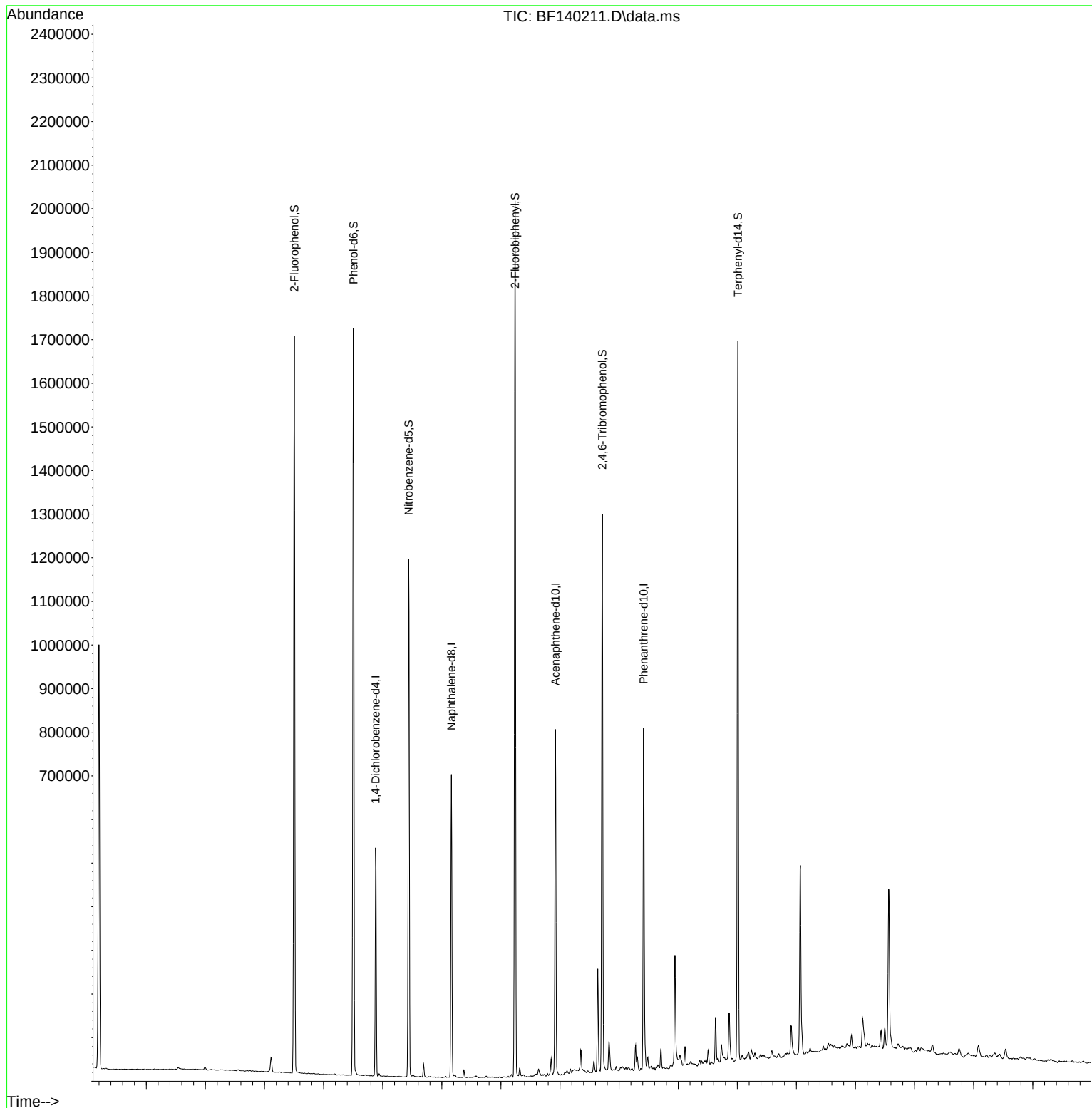
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110124\
Data File : BF140211.D
Acq On : 01 Nov 2024 15:20
Operator : RC/JU
Sample : P4659-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

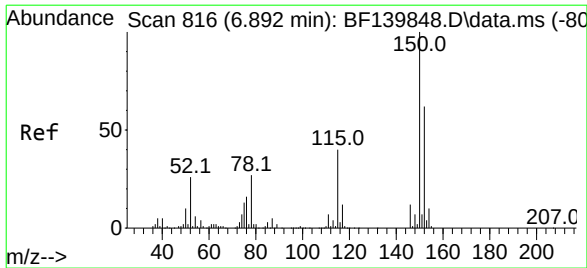
Instrument :
BNA_F
ClientSampleId :
MH-2

Quant Time: Nov 01 16:00:49 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
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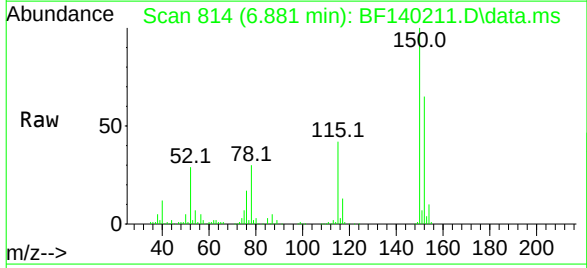
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

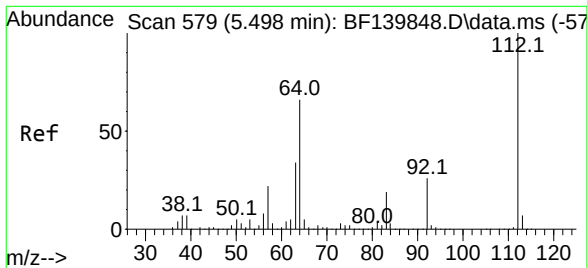
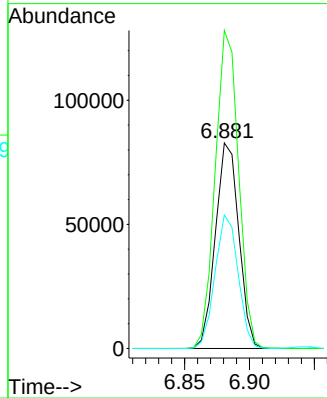
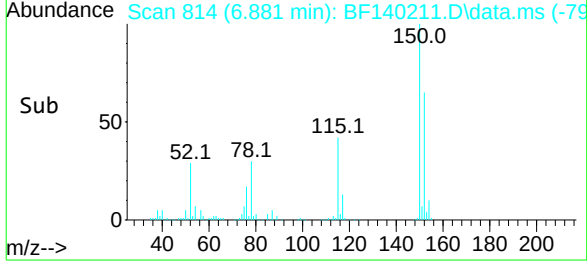
Instrument :
BNA_F
ClientSampleId :
MH-2



Tgt Ion:152 Resp: 103728
Ion Ratio Lower Upper
152 100
150 154.7 130.2 195.2
115 65.0 51.4 77.2

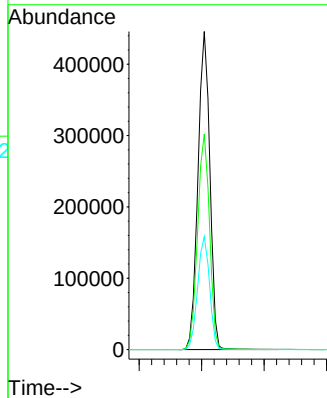
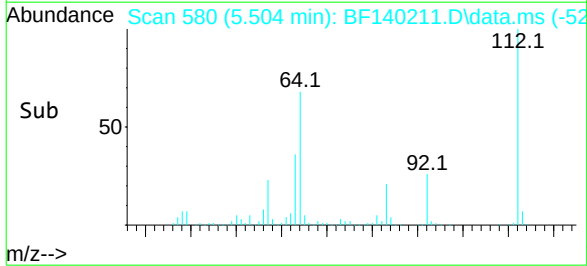
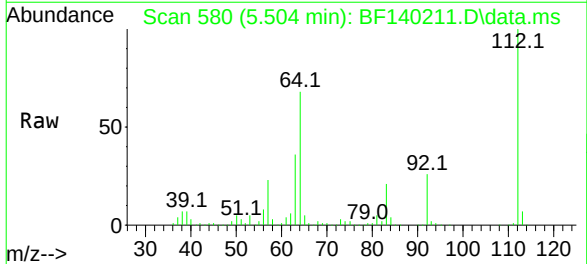
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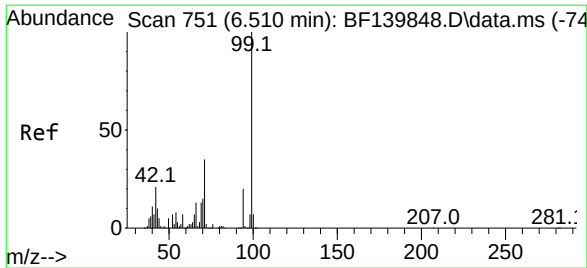
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 89.142 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

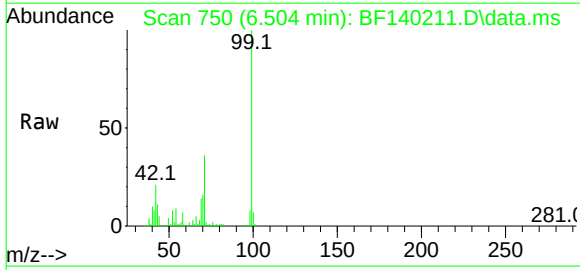
Tgt Ion:112 Resp: 590649
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 35.5 27.0 40.4





#7
Phenol-d6
Concen: 89.752 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

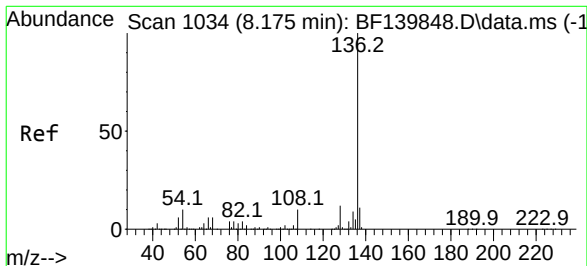
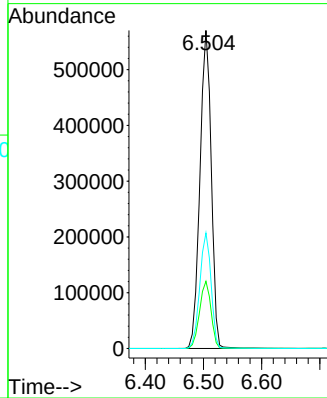
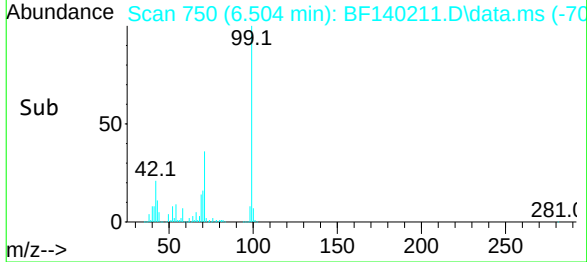
Instrument :
BNA_F
ClientSampleId :
MH-2



Tgt Ion: 99 Resp: 770217
Ion Ratio Lower Upper
99 100
42 21.1 16.7 25.1
71 36.3 27.7 41.5

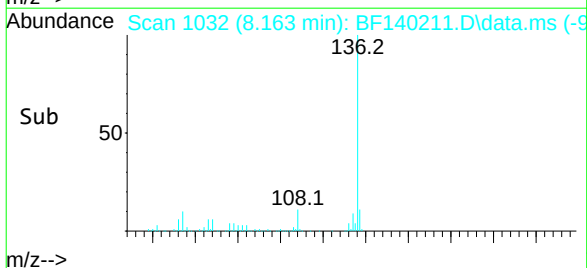
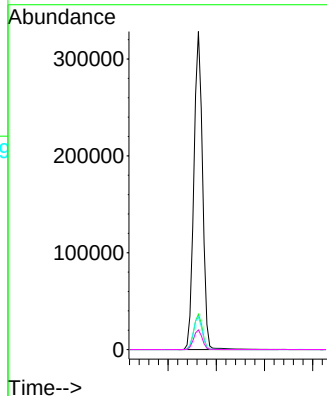
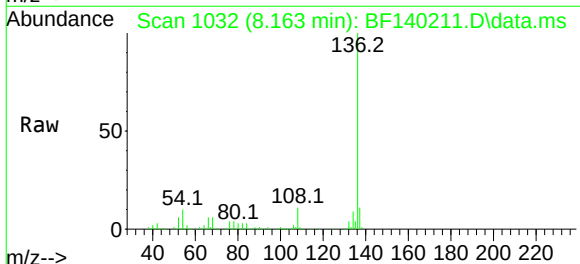
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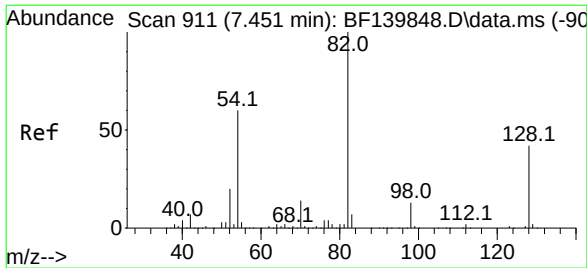
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

Tgt Ion:136 Resp: 409862
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.3 8.4 12.6
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 70.646 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

MH-2

Tgt Ion: 82 Resp: 522432

Ion Ratio Lower Upper

82 100

128 41.5 33.4 50.0

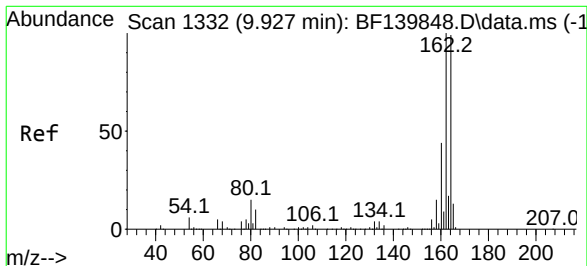
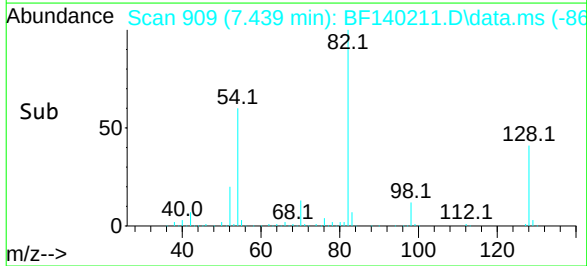
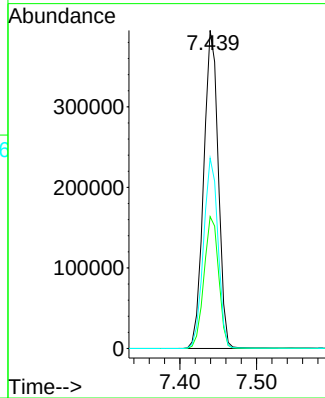
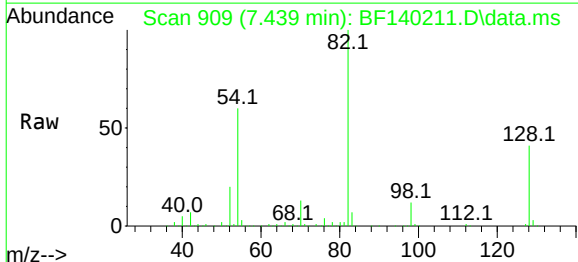
54 59.9 47.8 71.8

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

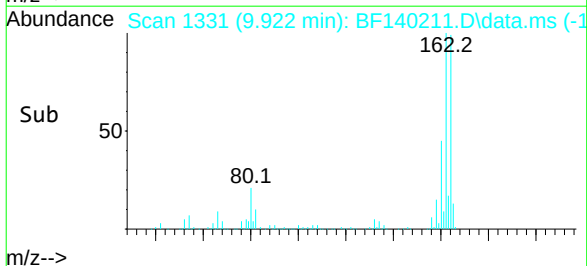
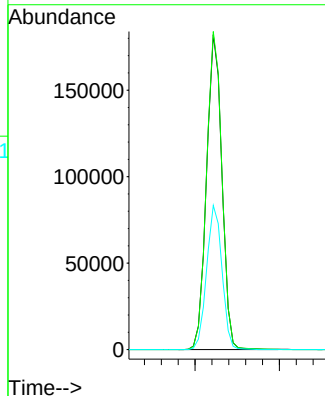
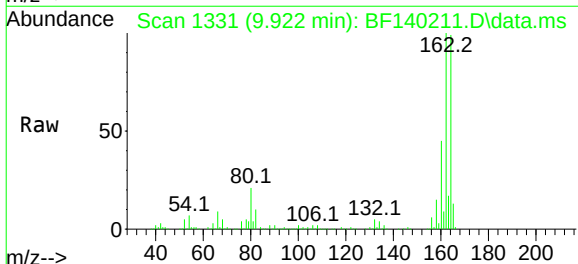
Tgt Ion:164 Resp: 230762

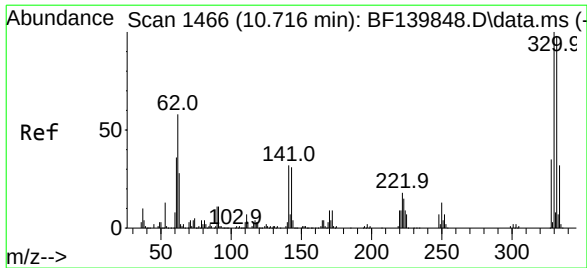
Ion Ratio Lower Upper

164 100

162 101.0 81.0 121.4

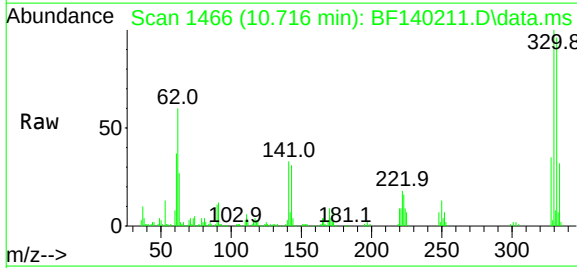
160 45.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 95.477 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

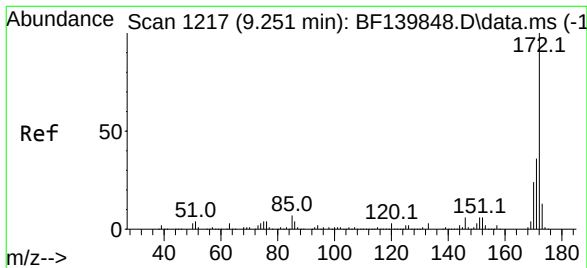
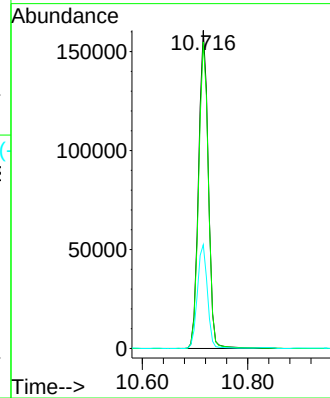
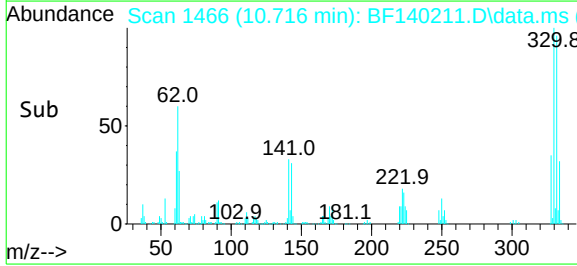
Instrument :
BNA_F
ClientSampleId :
MH-2



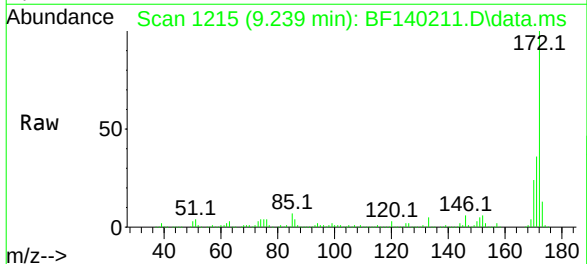
Tgt Ion: 330 Resp: 206085
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 33.6 26.6 39.8

Manual Integrations
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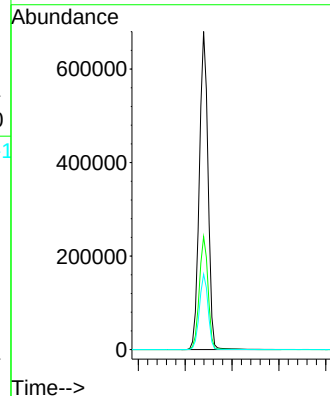
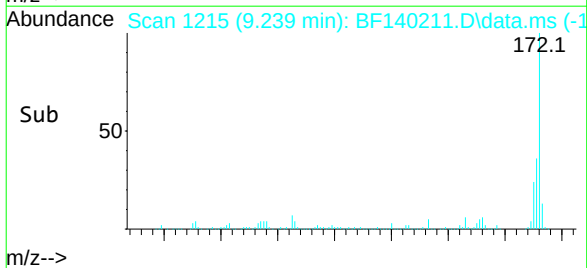
Reviewed By : Yogesh Patel 11/04/2024
Supervised By : mohammad ahmed 11/04/2024

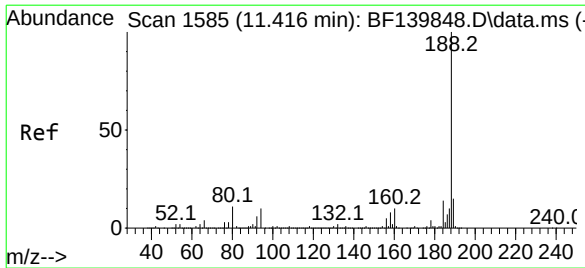


#45
2-Fluorobiphenyl
Concen: 62.779 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20



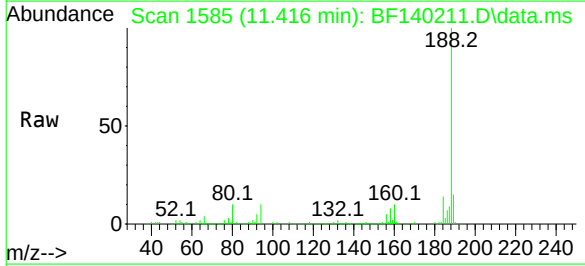
Tgt Ion: 172 Resp: 876561
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

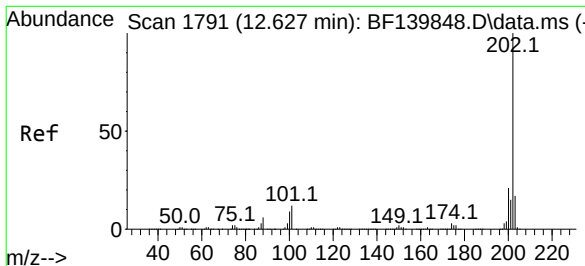
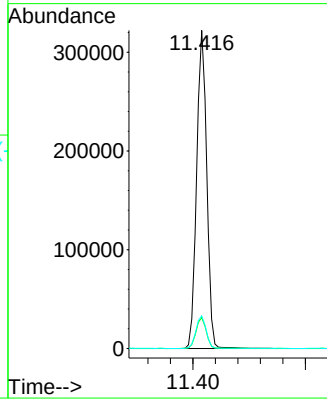
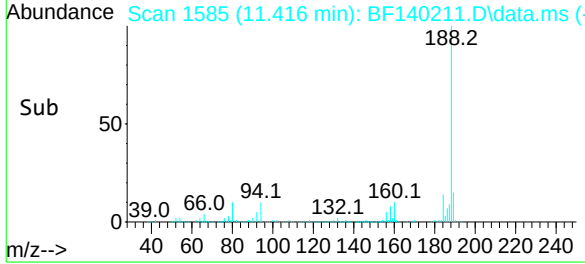
Instrument :
BNA_F
ClientSampleId :
MH-2



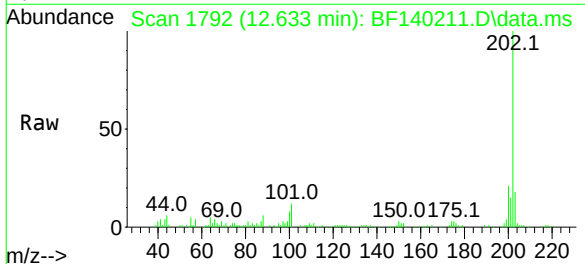
Tgt Ion:188 Resp: 401019
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.3 9.0 13.4

Manual Integrations
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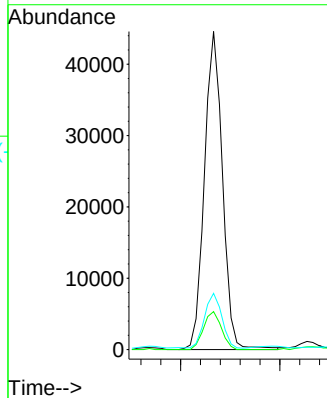
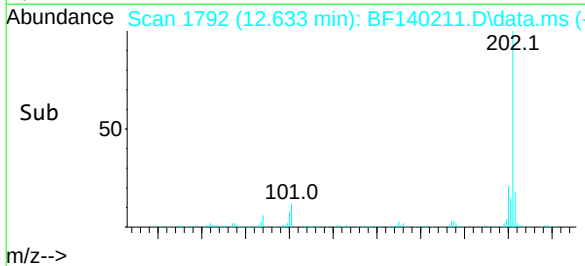
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

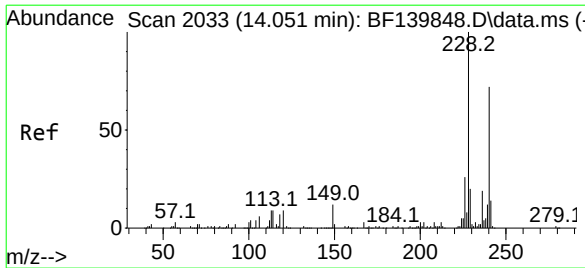


#75
Fluoranthene
Concen: 2.943 ng
RT: 12.633 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20



Tgt Ion:202 Resp: 56351
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

MH-2

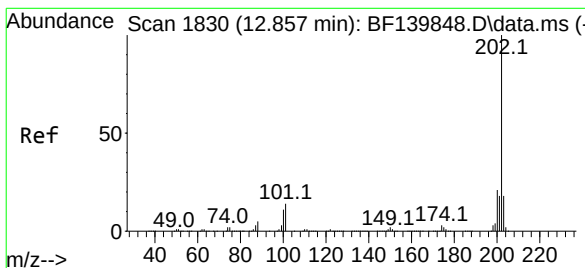
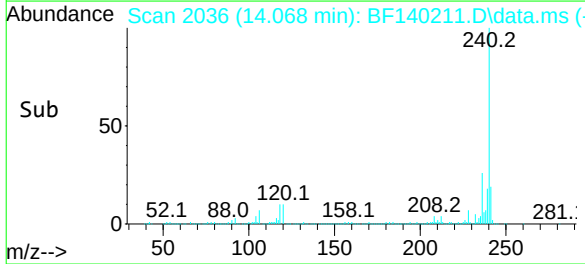
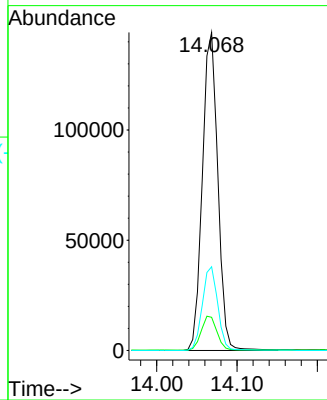
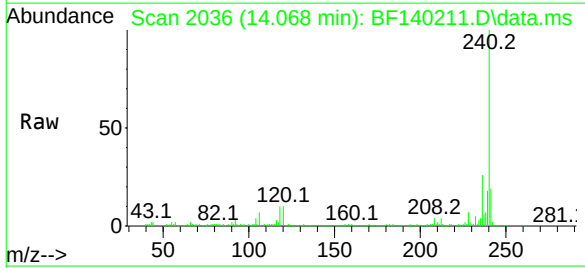
Tgt Ion:	240	Resp:	192945
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.4	14.2
236	26.3	20.9	31.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#78

Pyrene

Concen: 3.508 ng

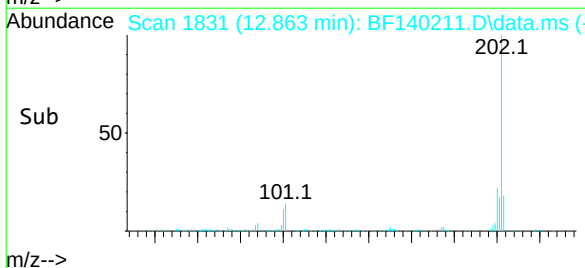
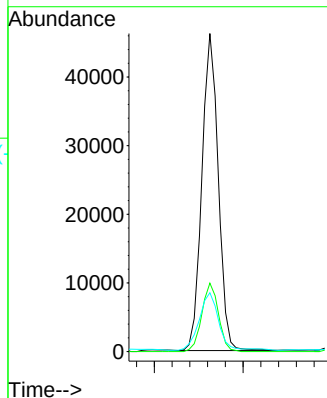
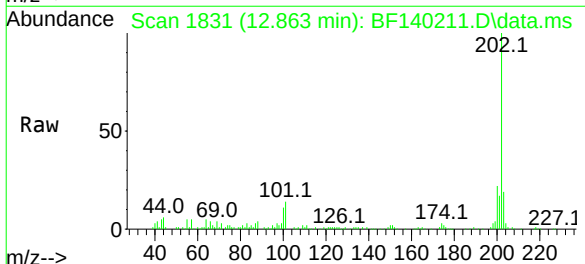
RT: 12.863 min Scan# 1831

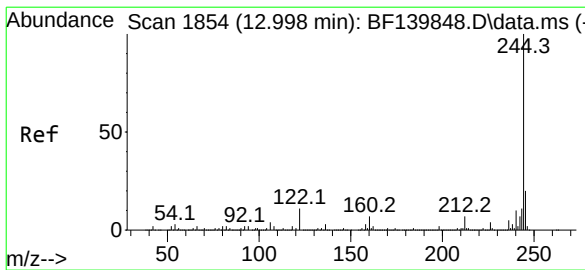
Delta R.T. 0.006 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Tgt Ion:	202	Resp:	59245
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.2	25.8
203	18.5	14.2	21.4





#79

Terphenyl-d14

Concen: 67.773 ng

RT: 13.010 min Scan# 18

Delta R.T. 0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

MH-2

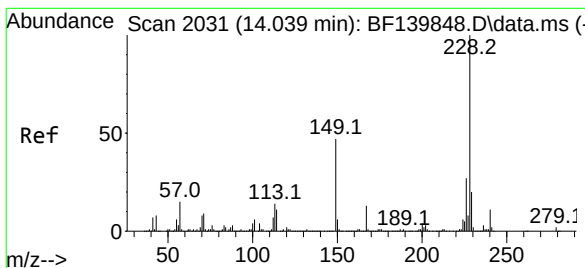
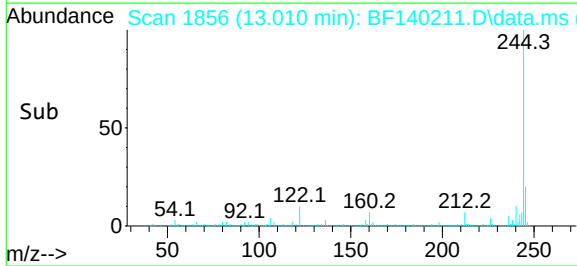
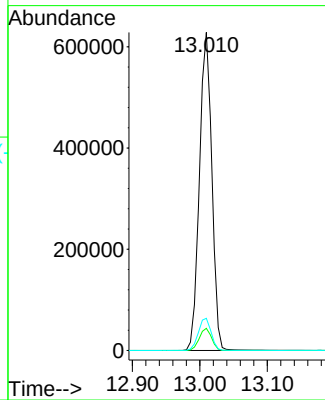
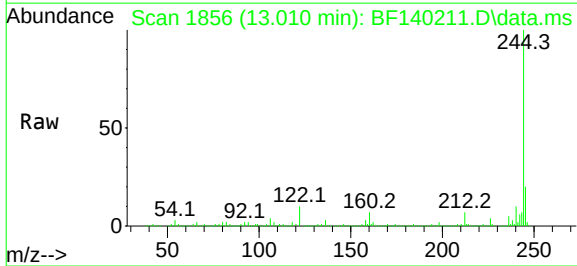
Tgt	Ion:244	Resp:	802492
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.1	8.6	13.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#81

Benzo(a)anthracene

Concen: 2.280 ng

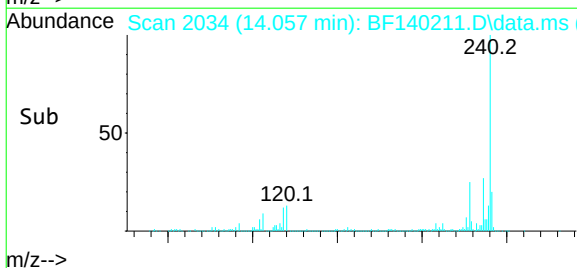
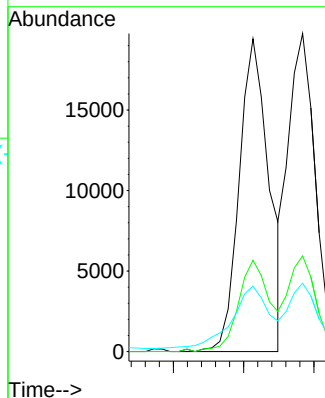
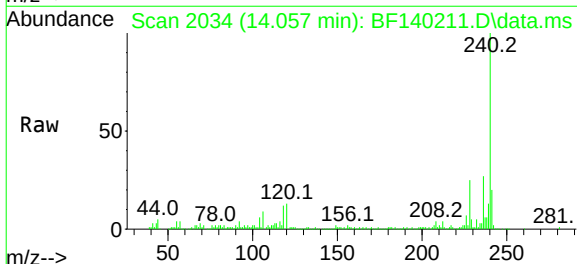
RT: 14.057 min Scan# 2034

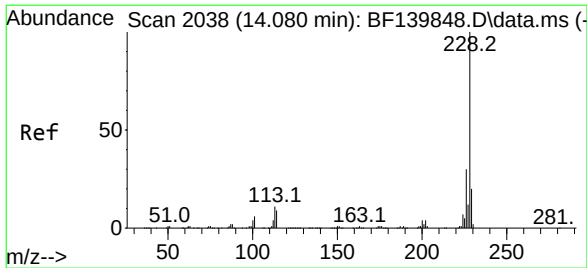
Delta R.T. 0.018 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Tgt	Ion:228	Resp:	28631
Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.6	32.4
229	20.9	16.1	24.1





#83

Chrysene

Concen: 2.308 ng

RT: 14.092 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

MH-2

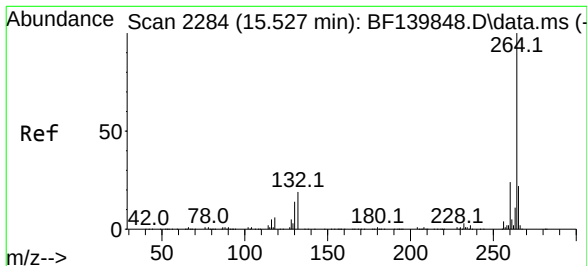
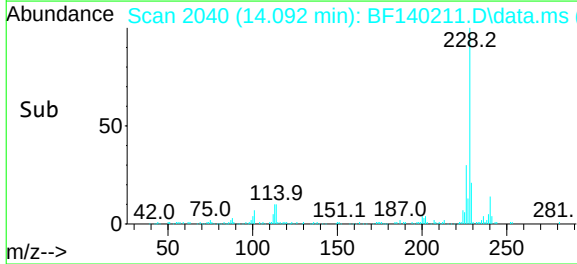
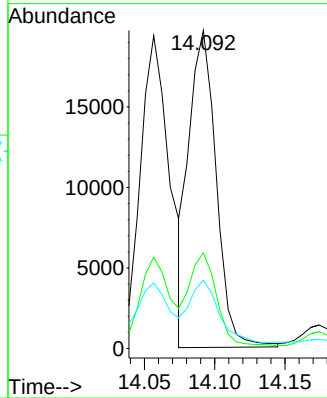
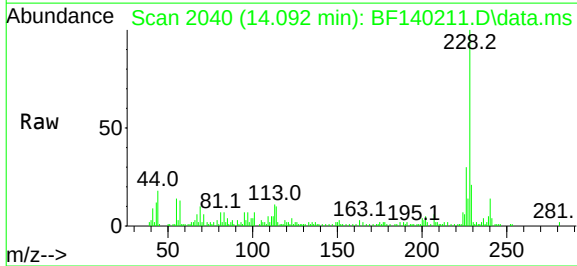
Tgt	Ion:228	Resp:	26577
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	21.5	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#86

Perylene-d12

Concen: 20.000 ng

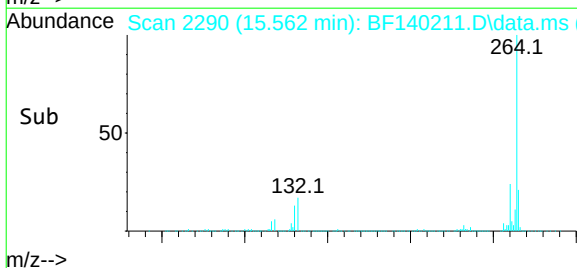
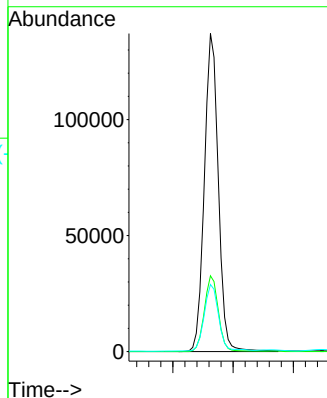
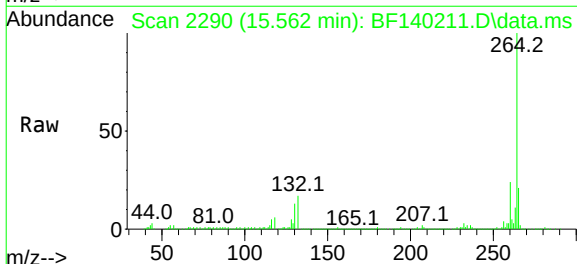
RT: 15.562 min Scan# 2290

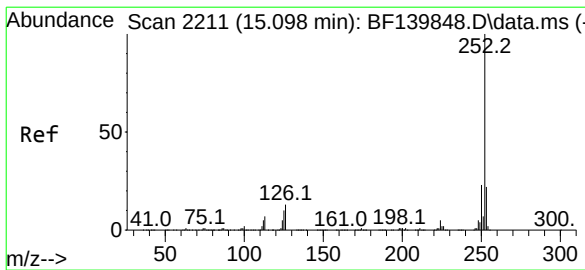
Delta R.T. 0.035 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Tgt	Ion:264	Resp:	220794
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.1	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 3.184 ng m

RT: 15.121 min Scan# 2211

Delta R.T. 0.024 min

Lab File: BF140211.D

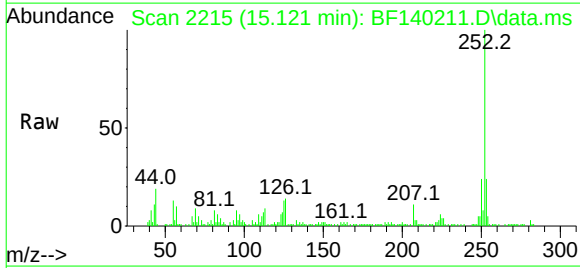
Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

MH-2



Tgt Ion:252 Resp: 42830

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

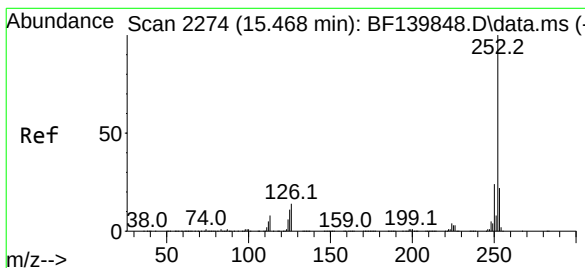
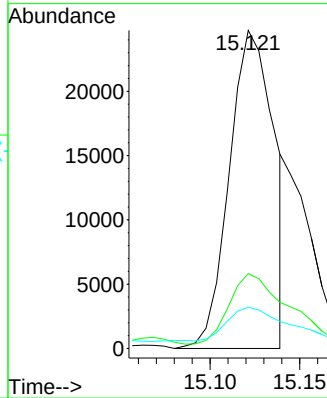
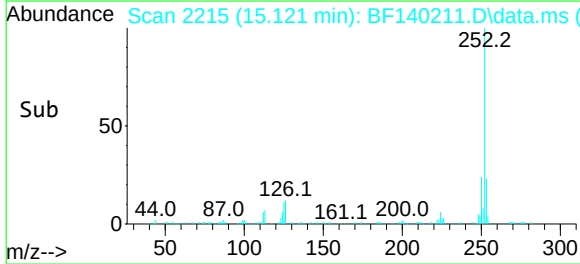
125 13.0 7.9 11.9#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#90

Benzo(a)pyrene

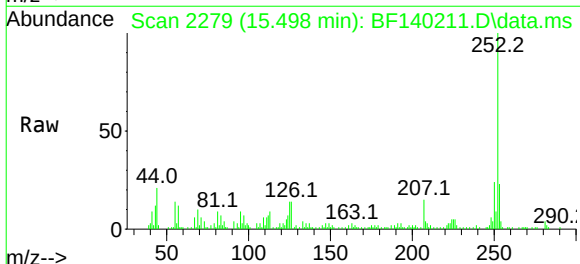
Concen: 2.818 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.029 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20



Tgt Ion:252 Resp: 31191

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 13.9 8.7 13.1#

