

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139915.D
 Acq On : 21 Oct 2024 21:01
 Operator : RC/JU
 Sample : P4455-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-101824

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 01:21:01 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	6.892	152	142497	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	471931	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	230288	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	416244	20.000	ng	0.00
76) Chrysene-d12	14.051	240	254305	20.000	ng	0.00
86) Perylene-d12	15.533	264	213719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	185550	20.385	ng	0.00
7) Phenol-d6	6.498	99	225548	19.132	ng	-0.01
23) Nitrobenzene-d5	7.445	82	120036	14.097	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	42966	19.947	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	221929	15.927	ng	0.00
79) Terphenyl-d14	12.998	244	229371	14.697	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	61233	3.114	ng	98
75) Fluoranthene	12.627	202	266561	13.411	ng	100
78) Pyrene	12.857	202	215392	9.676	ng	98
81) Benzo(a)anthracene	14.045	228	61794	3.733	ng	93
83) Chrysene	14.080	228	77898m	5.132	ng	
88) Benzo(b)fluoranthene	15.098	252	60455m	4.644	ng	
89) Benzo(k)fluoranthene	15.115	252	22630m	2.016	ng	
90) Benzo(a)pyrene	15.468	252	30302	2.829	ng	# 85

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

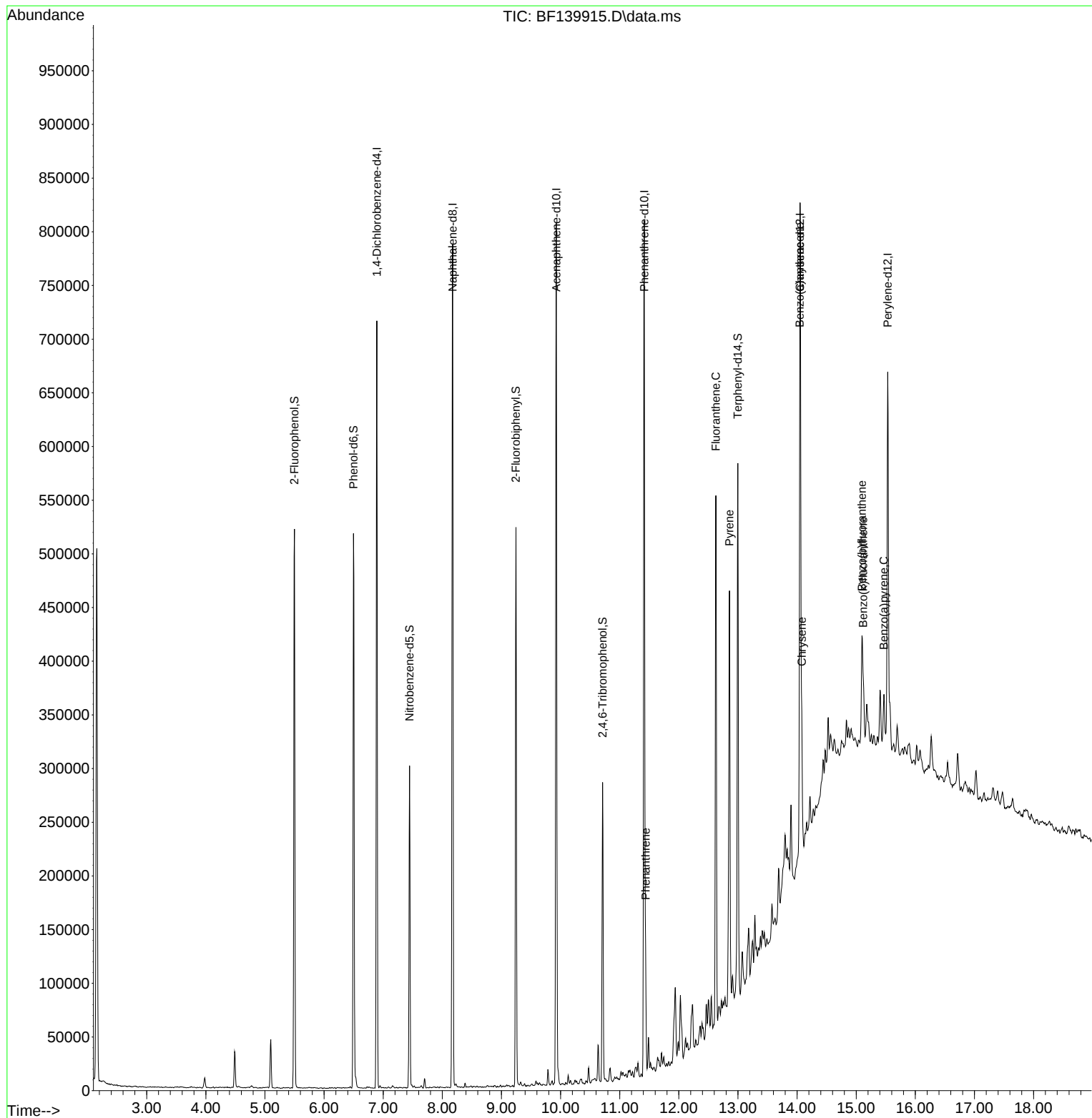
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139915.D
Acq On : 21 Oct 2024 21:01
Operator : RC/JU
Sample : P4455-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

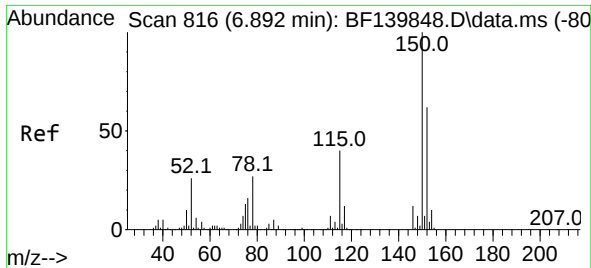
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

Quant Time: Oct 22 01:21:01 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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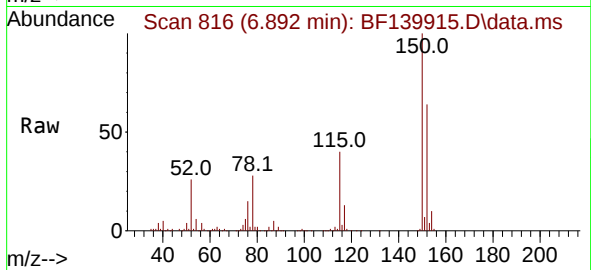
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824



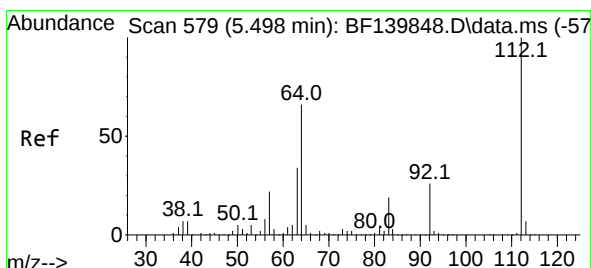
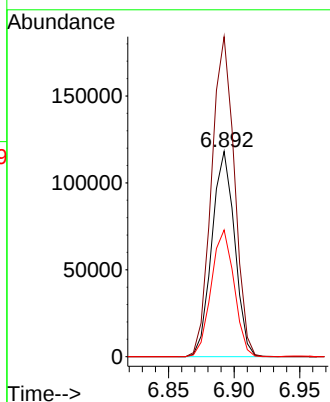
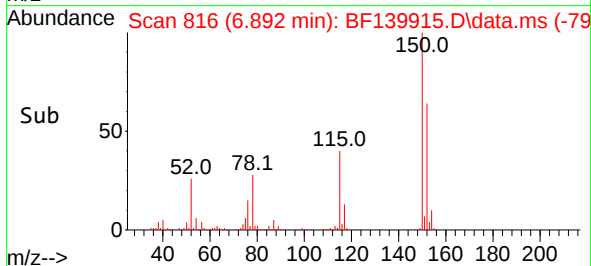
Tgt Ion:152 Resp: 142497
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 61.8 51.4 77.2

Manual Integrations

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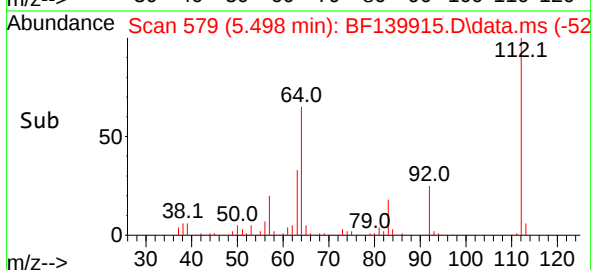
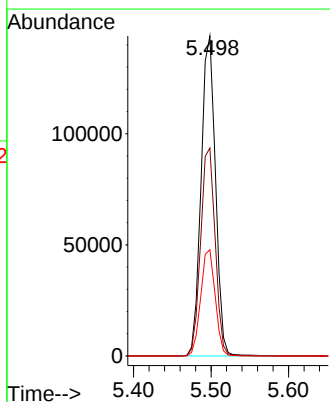
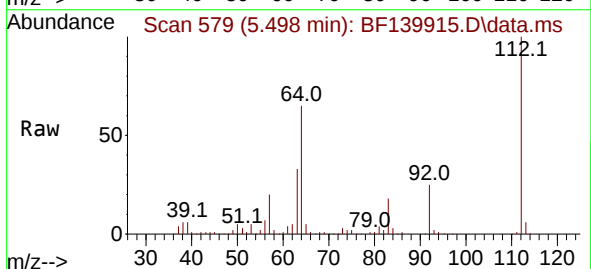
Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/23/2024



#5
2-Fluorophenol
Concen: 20.385 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

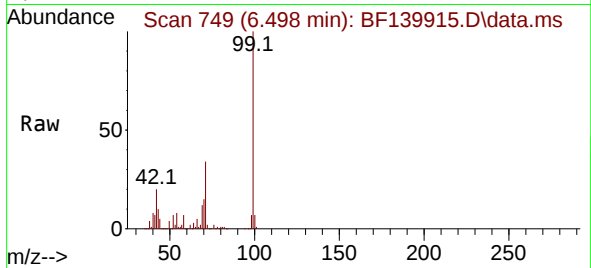
Tgt Ion:112 Resp: 185550
Ion Ratio Lower Upper
112 100
64 65.0 53.0 79.6
63 33.2 27.0 40.4





#7
Phenol-d6
Concen: 19.132 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

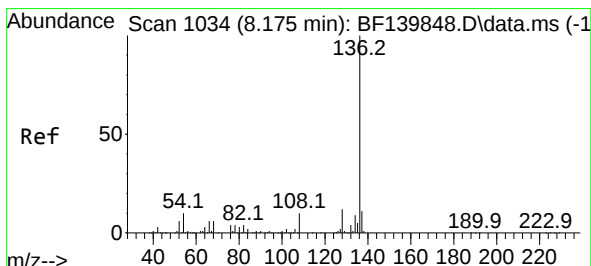
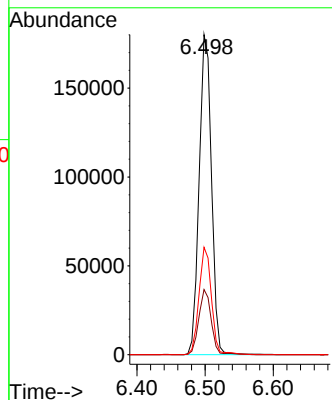
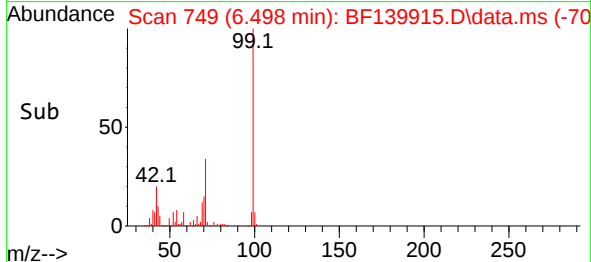
Instrument :
BNA_F
ClientSampleId :
SU-4-101824



Tgt Ion: 99 Resp: 225548
Ion Ratio Lower Upper
99 100
42 20.4 16.7 25.1
71 33.5 27.7 41.5

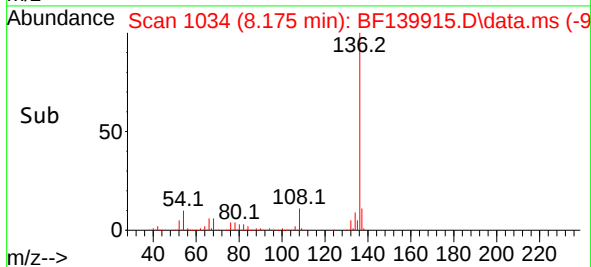
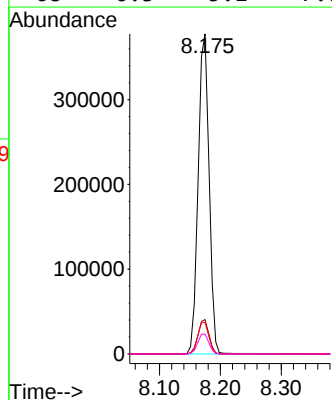
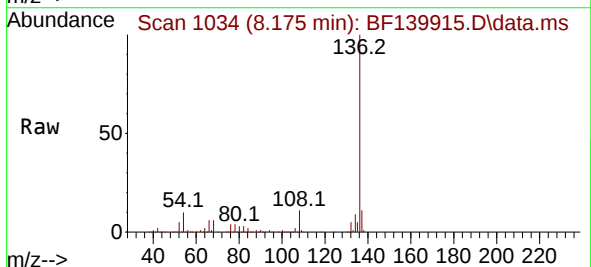
Manual Integrations
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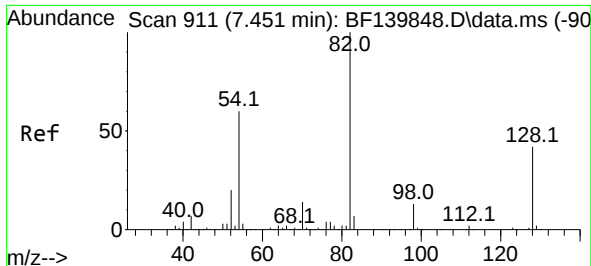
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:136 Resp: 471931
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.8 8.4 12.6
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 14.097 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

Tgt Ion: 82 Resp: 120030

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

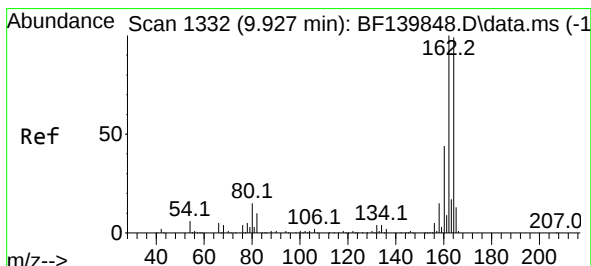
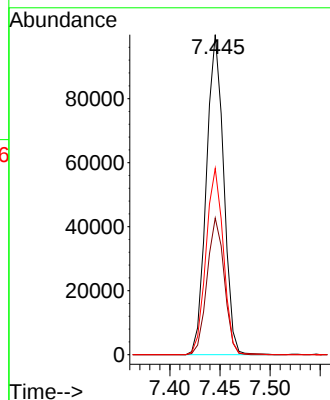
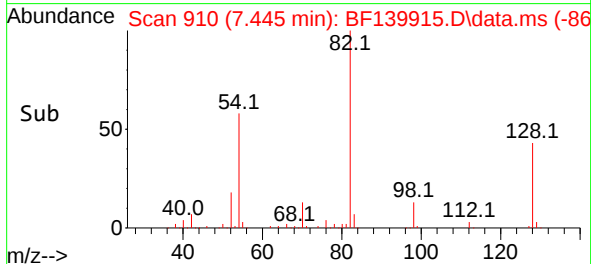
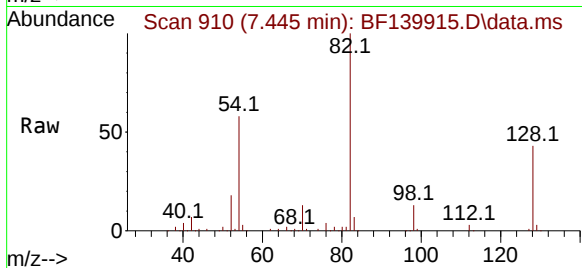
54 58.2 47.8 71.8

Manual Integrations

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Supervised By :mohammad ahmed 10/23/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

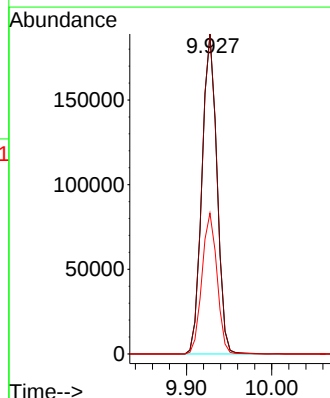
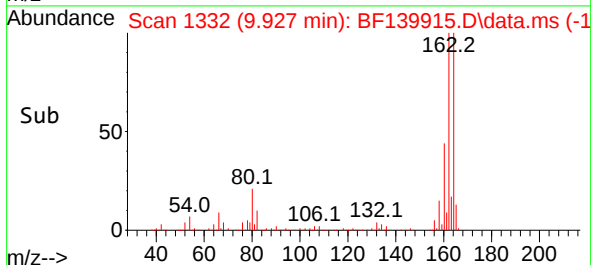
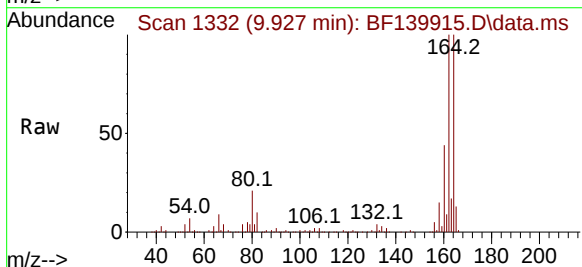
Tgt Ion:164 Resp: 230288

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.4

160 44.1 35.4 53.0





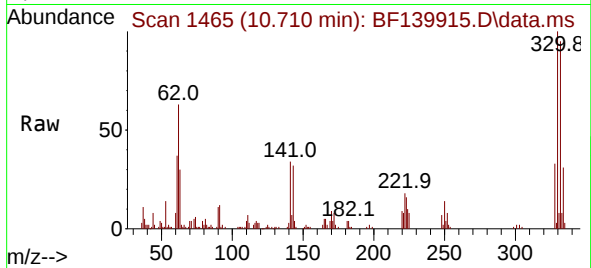
#42
2,4,6-Tribromophenol
Concen: 19.947 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824



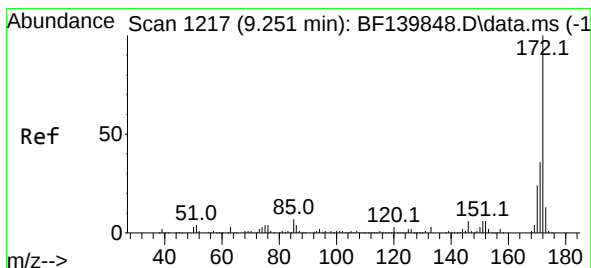
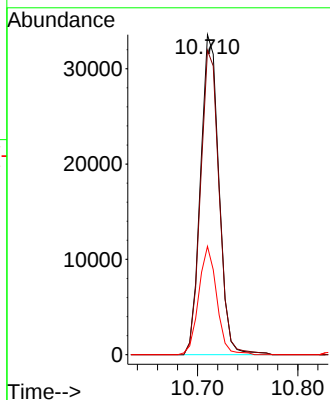
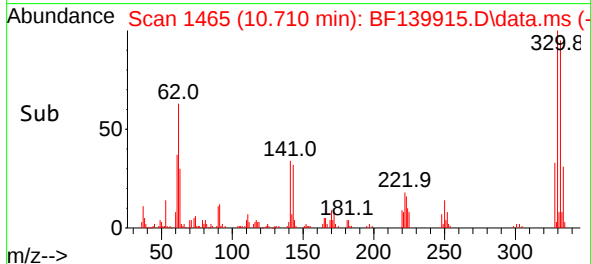
Tgt Ion: 330 Resp: 42960
Ion Ratio Lower Upper
330 100
332 96.1 78.1 117.1
141 33.1 26.6 39.8

Manual Integrations

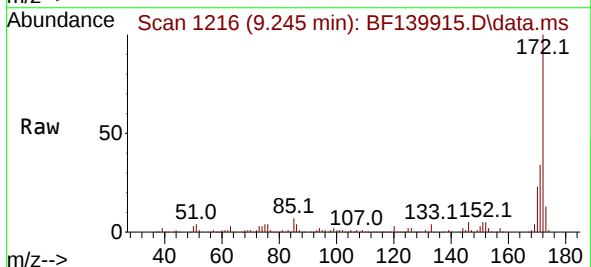
APPROVED

Reviewed By : Yogesh Patel 10/23/2024

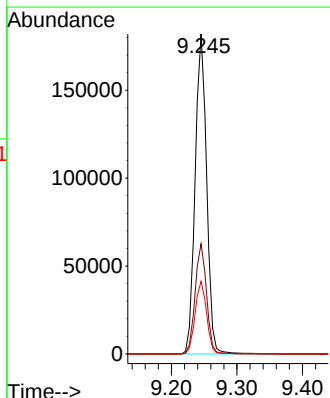
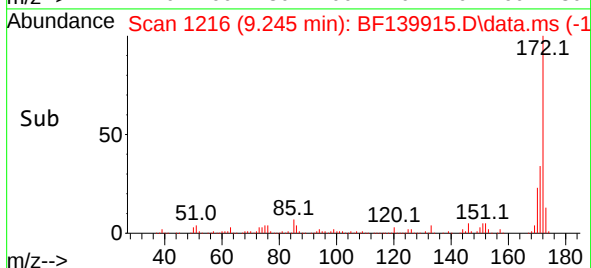
Supervised By : mohammad ahmed 10/23/2024

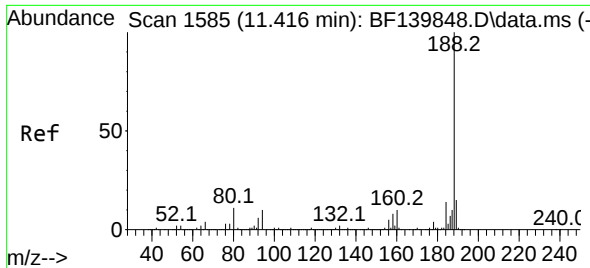


#45
2-Fluorobiphenyl
Concen: 15.927 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01



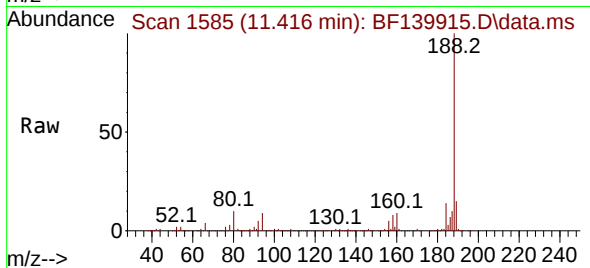
Tgt Ion: 172 Resp: 221929
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

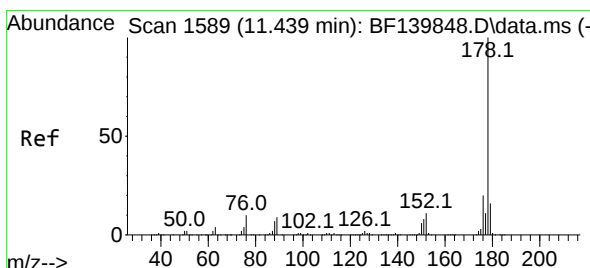
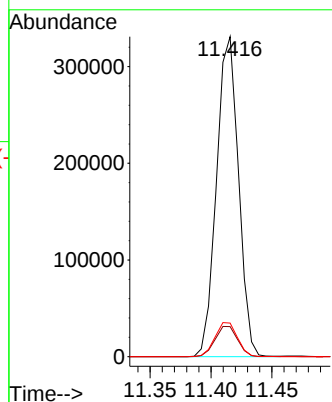
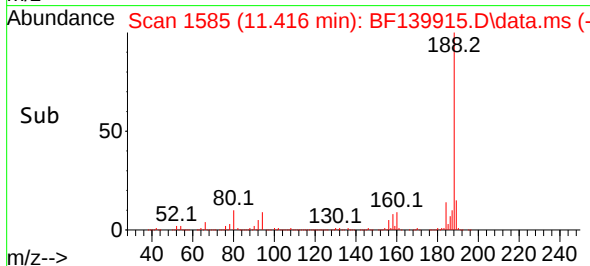
Instrument :
BNA_F
ClientSampleId :
SU-4-101824



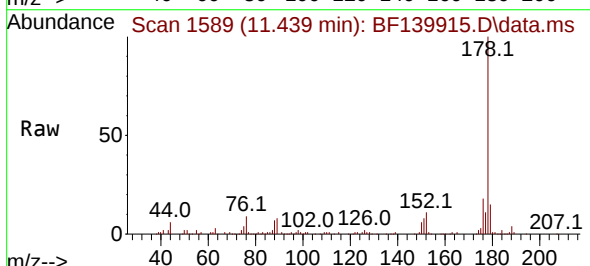
Tgt Ion:188 Resp: 416244
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.5 9.0 13.4

Manual Integrations
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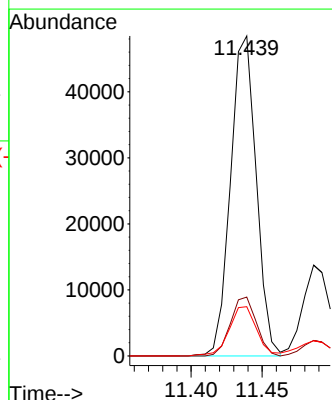
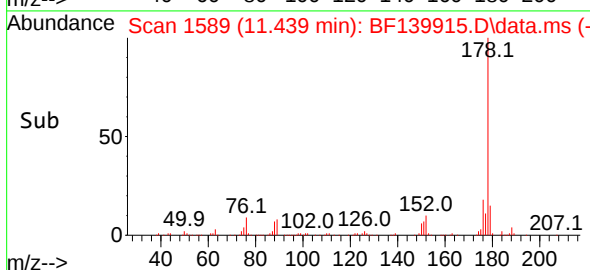
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024

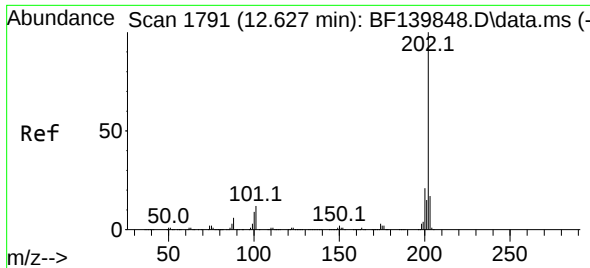


#71
Phenanthrene
Concen: 3.114 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01



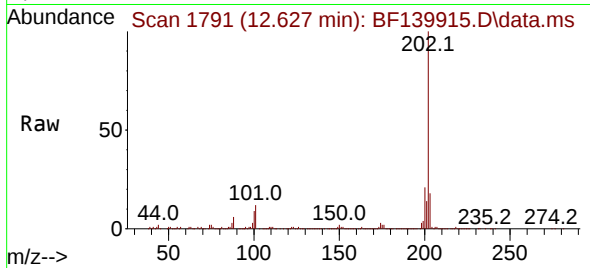
Tgt Ion:178 Resp: 61233
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.4 12.6 18.8





#75
Fluoranthene
Concen: 13.411 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

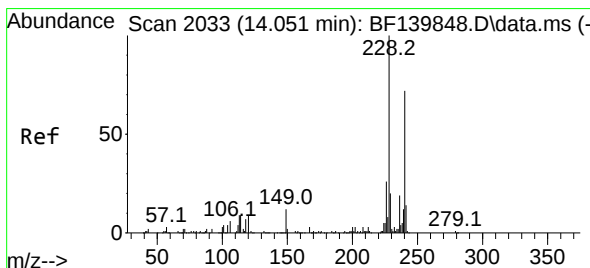
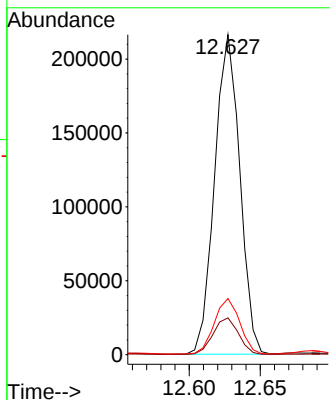
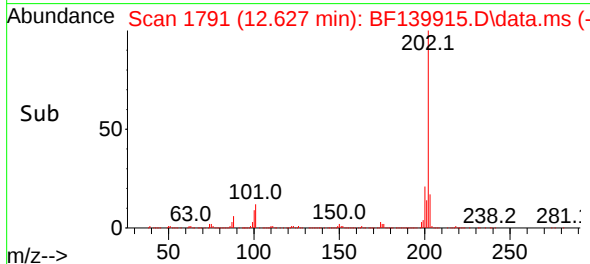
Instrument :
BNA_F
ClientSampleId :
SU-4-101824



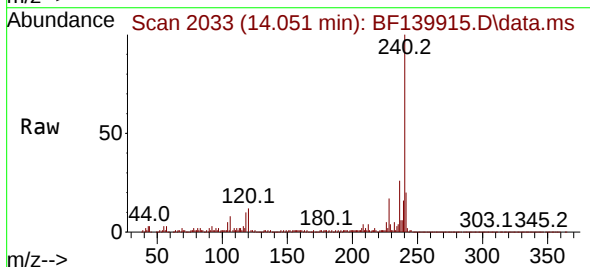
Tgt Ion:202 Resp: 26656
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.5 0.0 37.5

Manual Integrations
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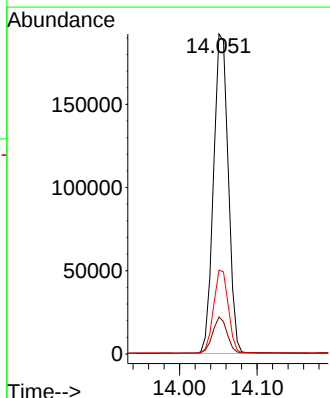
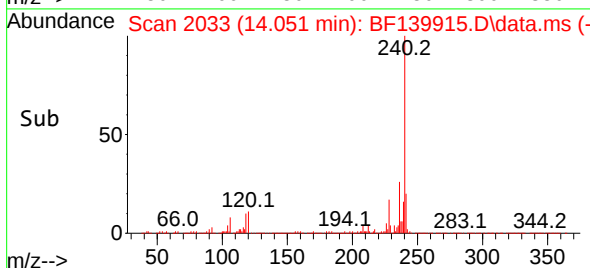
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024

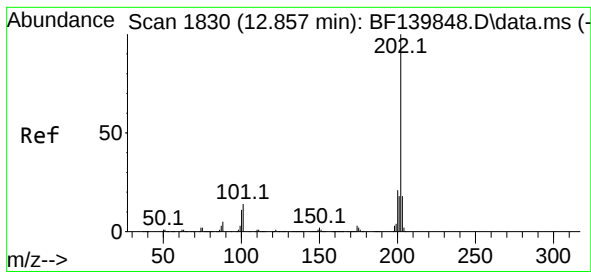


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01



Tgt Ion:240 Resp: 254305
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 26.2 20.9 31.3





#78

Pyrene

Concen: 9.676 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

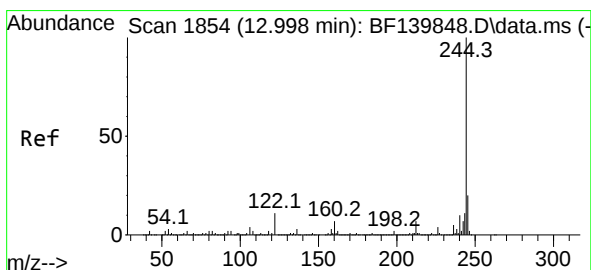
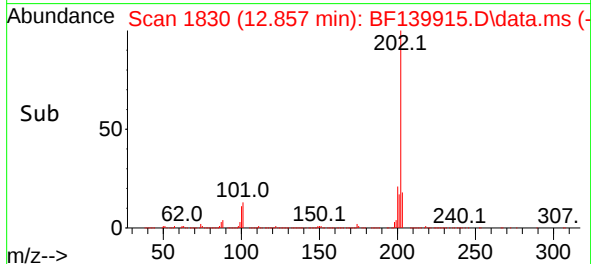
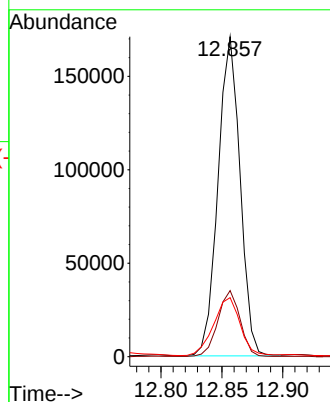
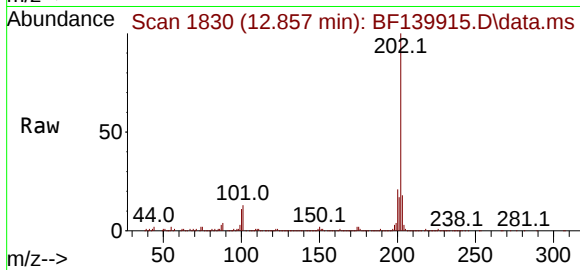
Tgt Ion:	202	Resp:	215392
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.2	25.8
203	18.5	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 14.697 ng

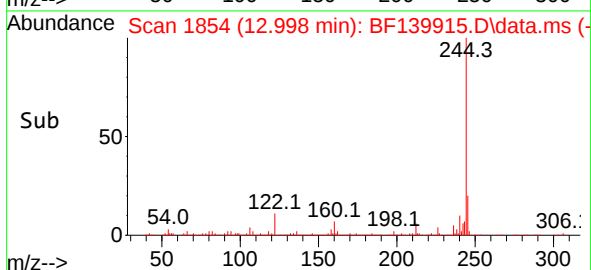
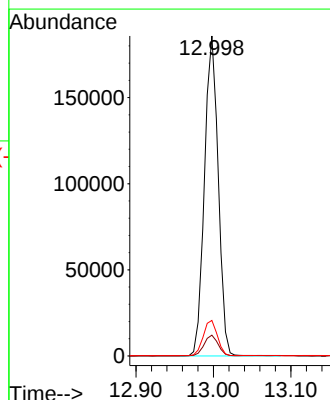
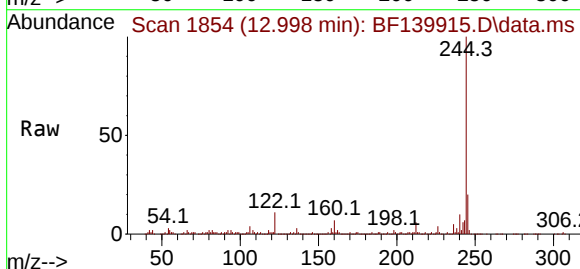
RT: 12.998 min Scan# 1854

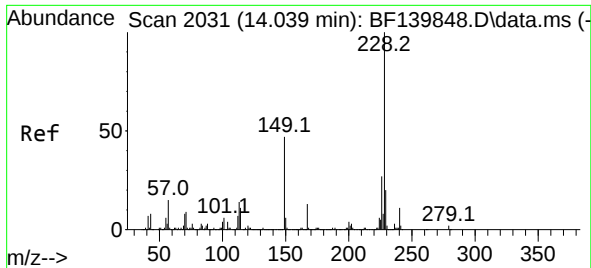
Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Tgt Ion:	244	Resp:	229371
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.7	8.5
122	11.1	8.6	13.0





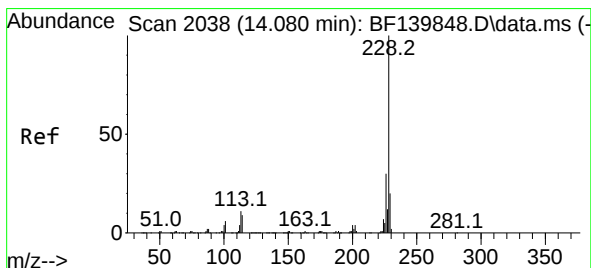
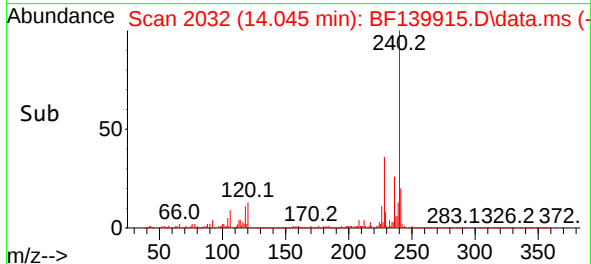
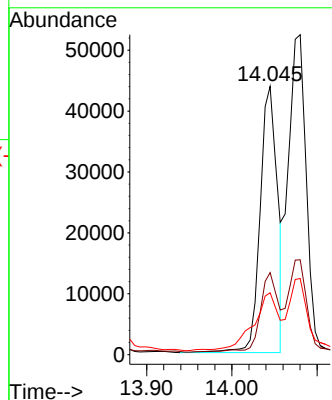
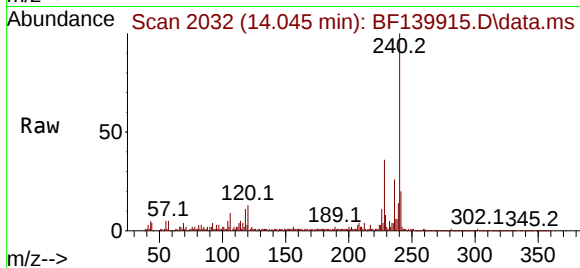
#81
Benzo(a)anthracene
Concen: 3.733 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Instrument :
BNA_F
ClientSampleId :
SU-4-101824

Tgt Ion:228 Resp: 61794
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 23.1 16.1 24.1

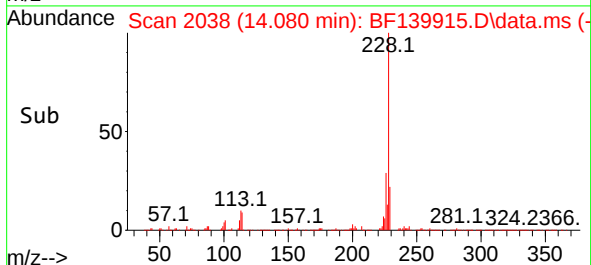
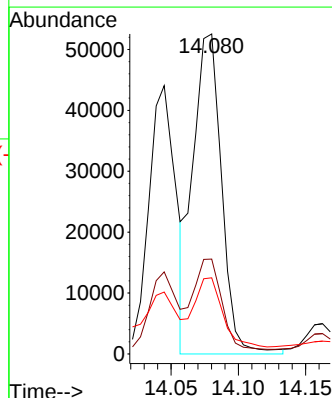
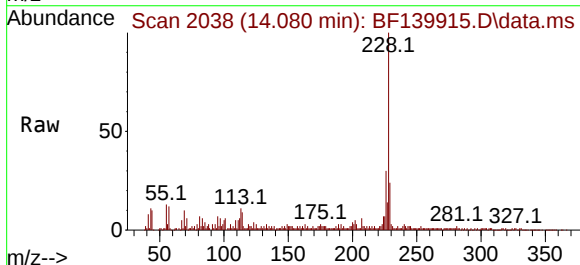
Manual Integrations
APPROVED

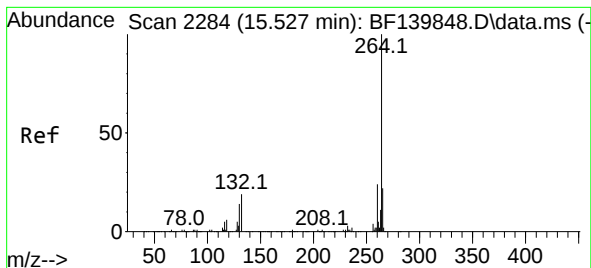
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



#83
Chrysene
Concen: 5.132 ng m
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:228 Resp: 77898
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 23.8 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

Tgt Ion:264 Resp: 213719

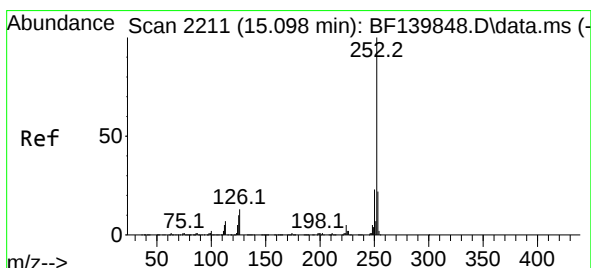
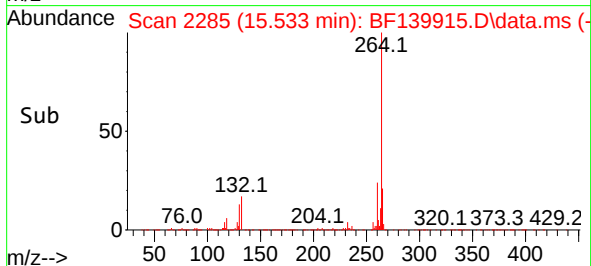
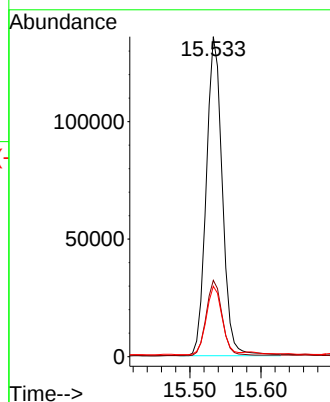
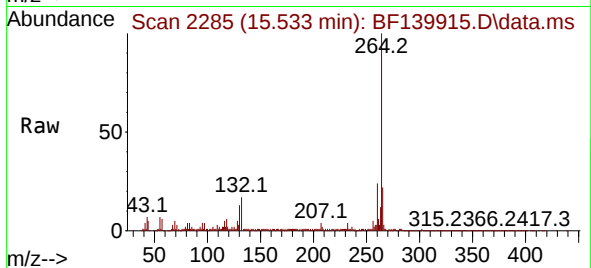
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.0	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 4.644 ng m

RT: 15.098 min Scan# 2211

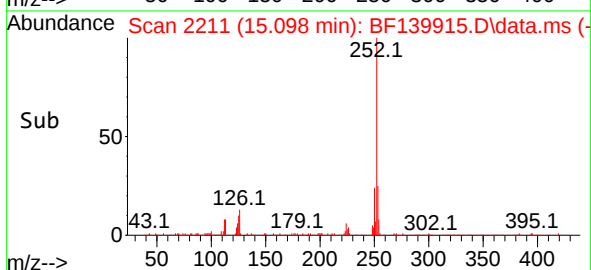
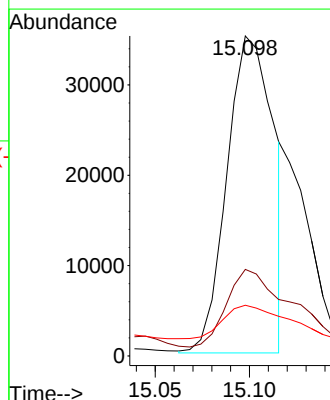
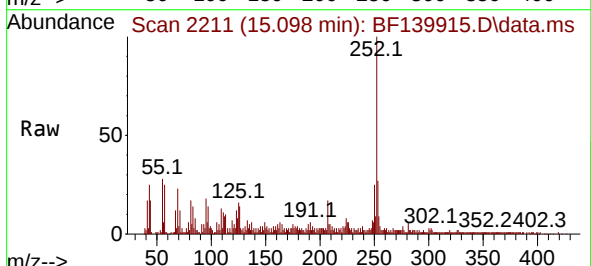
Delta R.T. 0.000 min

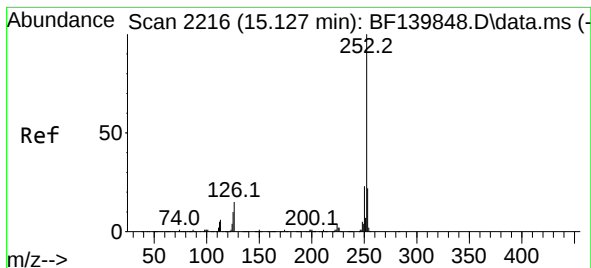
Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Tgt Ion:252 Resp: 60455

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.6	26.4#
125	15.8	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 2.016 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

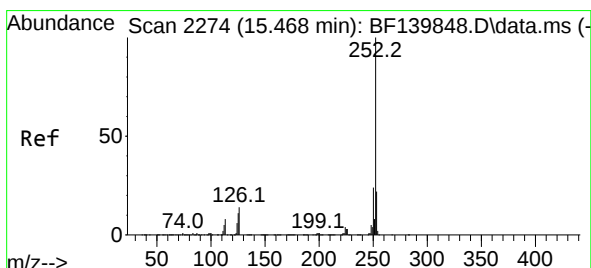
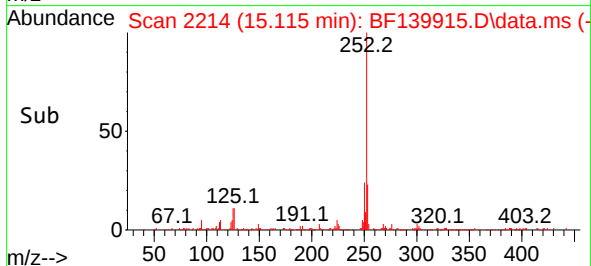
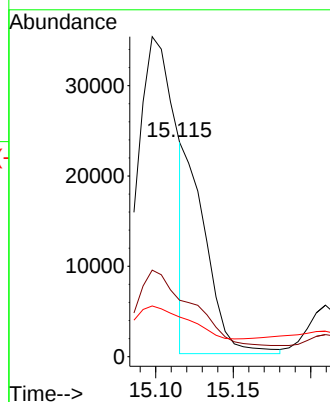
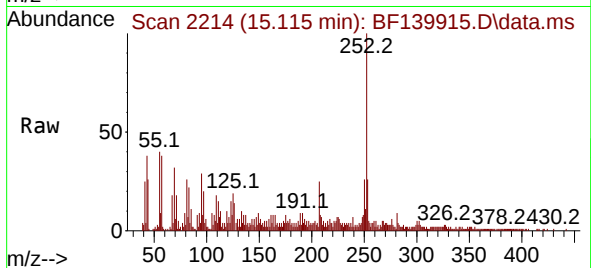
Tgt Ion:252 Resp: 22630
 Ion Ratio Lower Upper
 252 100
 253 26.3 17.6 26.4
 125 18.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/23/2024



#90

Benzo(a)pyrene

Concen: 2.829 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Tgt Ion:252 Resp: 30302
 Ion Ratio Lower Upper
 252 100
 253 26.6 17.3 25.9#
 125 20.5 8.7 13.1#

