

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139313.D
 Acq On : 10 Sep 2024 22:00
 Operator : RC/JU
 Sample : P3916-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090924

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 11 01:32:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	114183	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	403169	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	184103	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278660	20.000	ng	0.00
76) Chrysene-d12	14.045	240	184730	20.000	ng	0.00
86) Perylene-d12	15.527	264	134226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	97926	14.347	ng	-0.01
7) Phenol-d6	6.504	99	128354	14.086	ng	-0.01
23) Nitrobenzene-d5	7.445	82	79175	10.216	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19715	12.401	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	147838	12.396	ng	-0.01
79) Terphenyl-d14	12.992	244	115154	10.065	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.469	166	28300	2.474	ng	98
71) Phenanthrene	11.433	178	169945	13.055	ng	99
72) Anthracene	11.480	178	47662	3.748	ng	99
75) Fluoranthene	12.621	202	235383	18.036	ng	98
78) Pyrene	12.851	202	193261	10.830	ng	99
81) Benzo(a)anthracene	14.039	228	88103	7.469	ng	95
83) Chrysene	14.074	228	61447	5.581	ng	96
87) Indeno(1,2,3-cd)pyrene	16.998	276	25861	3.084	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	72694m	9.404	ng	
89) Benzo(k)fluoranthene	15.109	252	22369m	3.227	ng	
90) Benzo(a)pyrene	15.457	252	46891	7.144	ng	# 95
92) Benzo(g,h,i)perylene	17.445	276	24838	3.482	ng	95

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

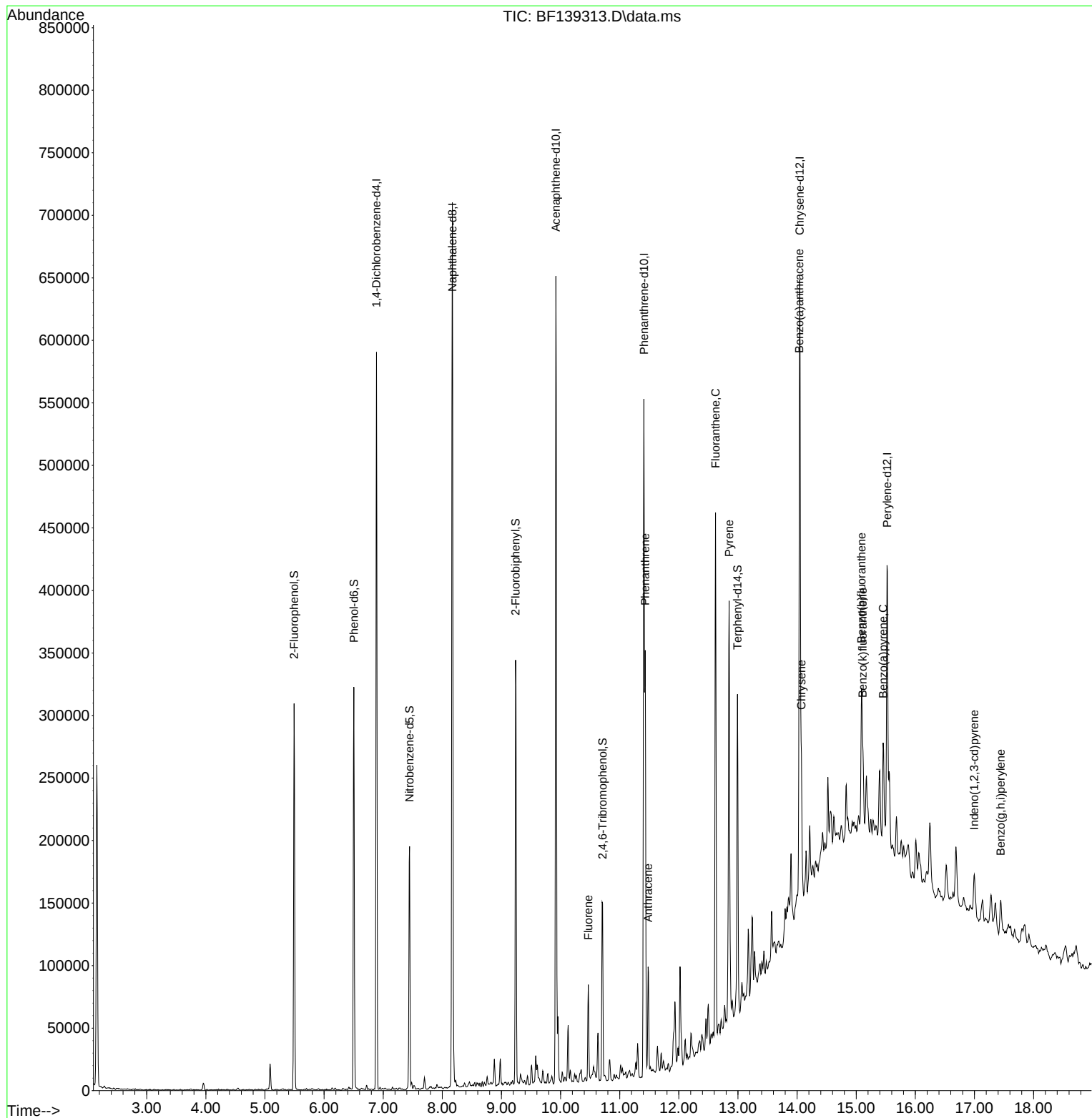
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
Data File : BF139313.D
Acq On : 10 Sep 2024 22:00
Operator : RC/JU
Sample : P3916-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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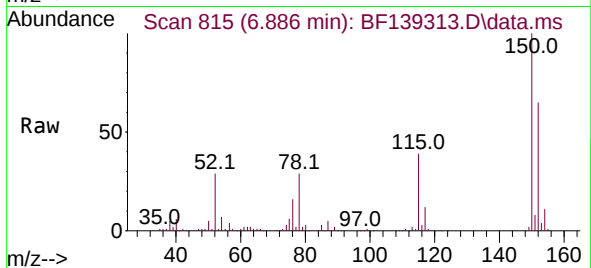
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

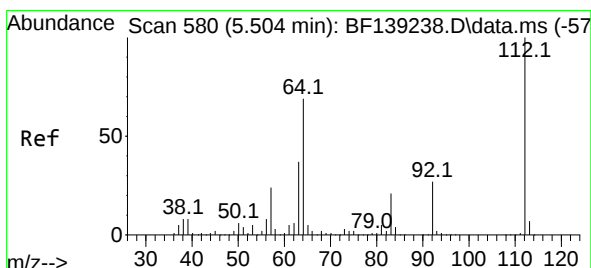
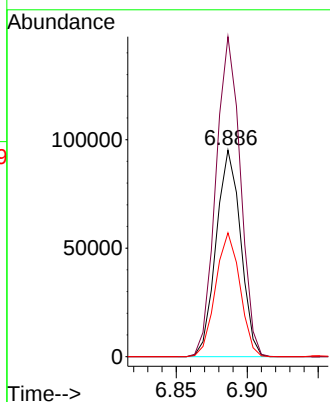
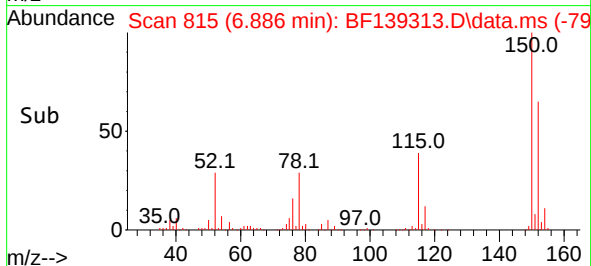


Tgt Ion:152 Resp: 11418
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 60.0 46.9 70.3

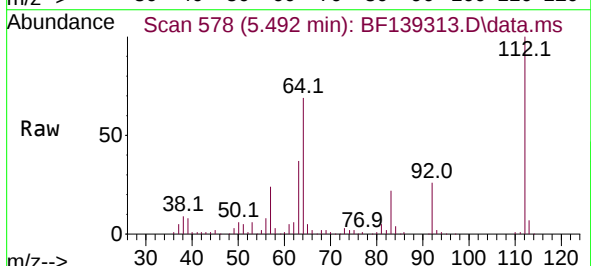
Manual Integrations

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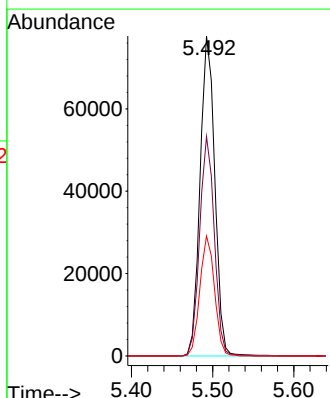
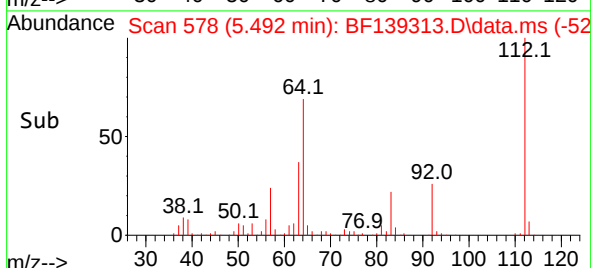
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 14.347 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00



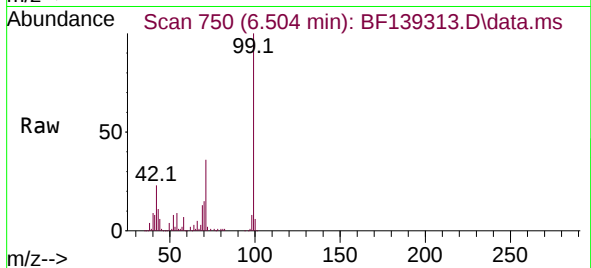
Tgt Ion:112 Resp: 97926
Ion Ratio Lower Upper
112 100
64 68.6 55.0 82.4
63 37.5 29.9 44.9





#7
Phenol-d6
Concen: 14.086 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

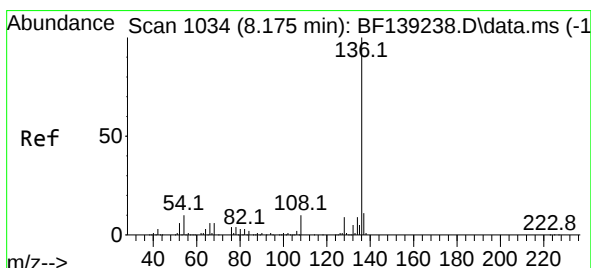
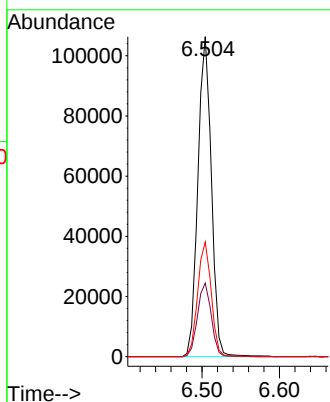
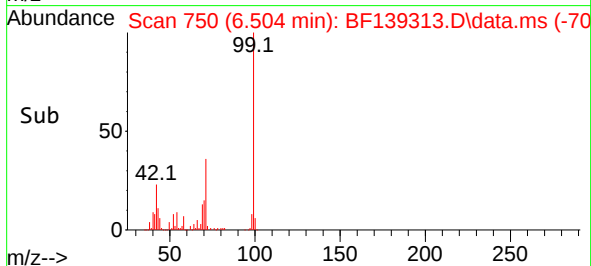
Instrument :
BNA_F
ClientSampleId :
SU-04-090924



Tgt Ion: 99 Resp: 128354
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 35.9 28.8 43.2

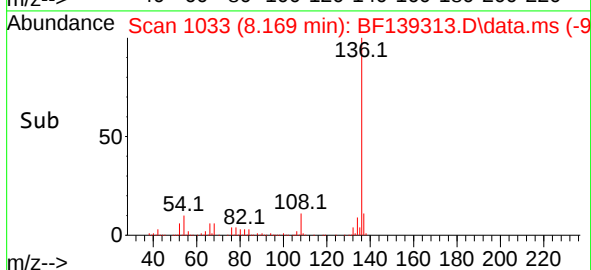
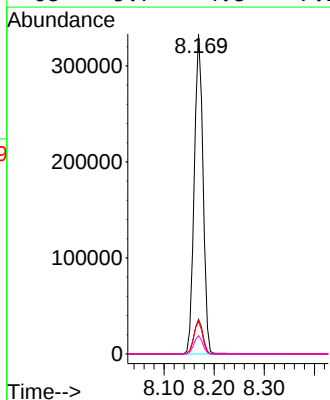
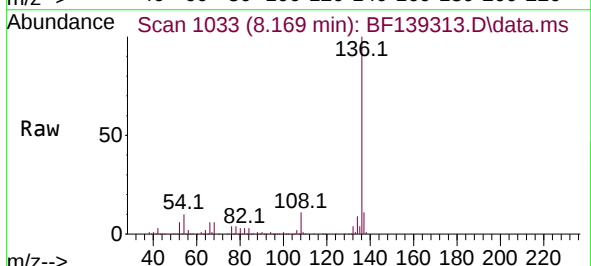
Manual Integrations
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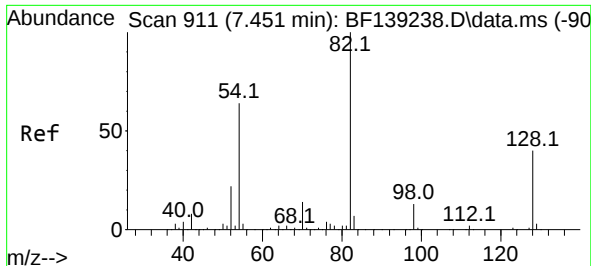
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:136 Resp: 403169
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.4 12.6
68 5.7 4.8 7.2





#23

Nitrobenzene-d5

Concen: 10.216 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

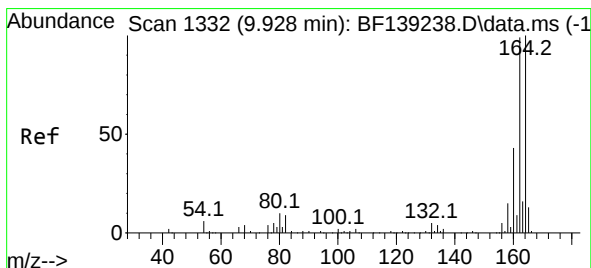
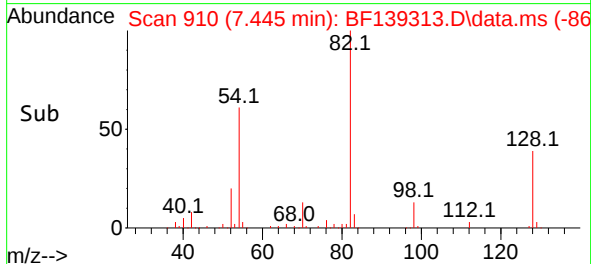
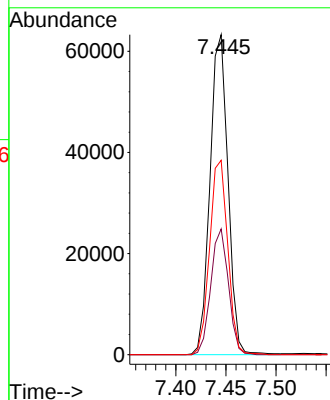
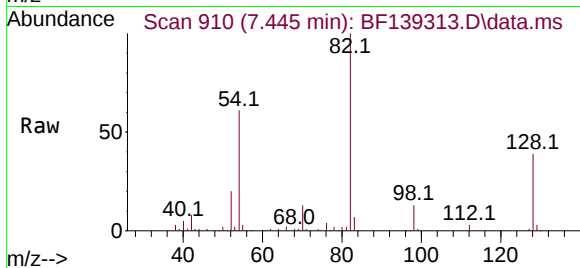
Tgt Ion: 82 Resp: 7917

Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.3	48.5
54	60.7	51.2	76.8

Manual Integrations

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Supervised By :mohammad ahmed 09/12/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

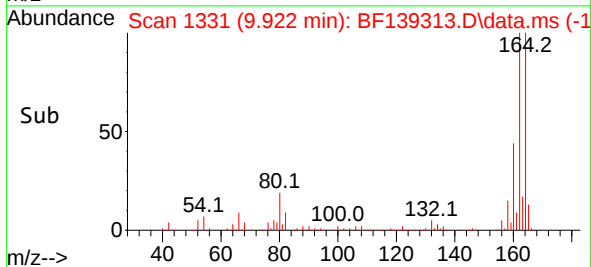
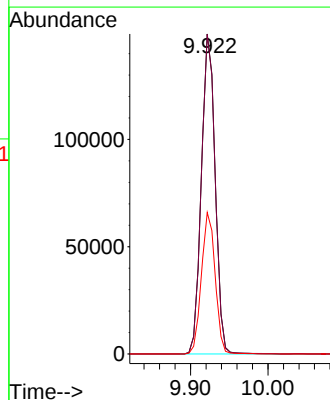
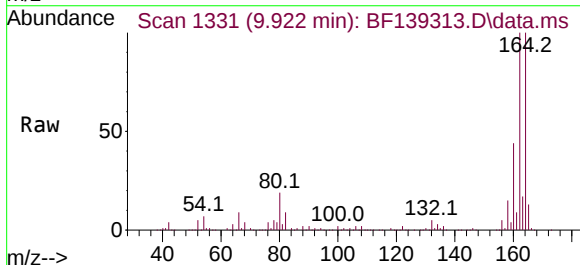
Delta R.T. -0.006 min

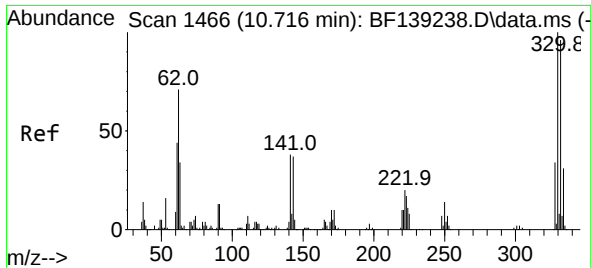
Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Tgt Ion:164 Resp: 184103

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.2	118.8
160	44.2	34.2	51.2





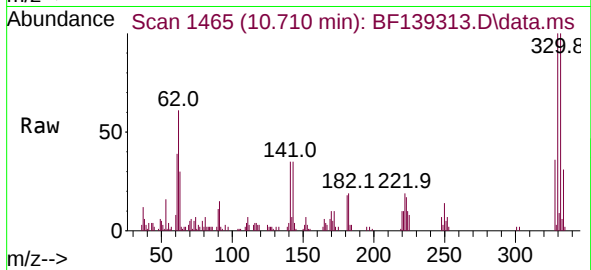
#42
2,4,6-Tribromophenol
Concen: 12.401 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

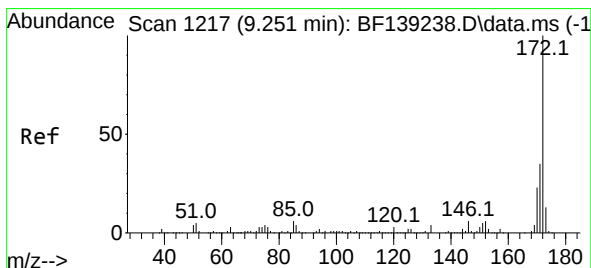
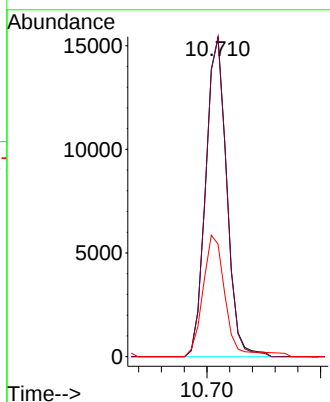
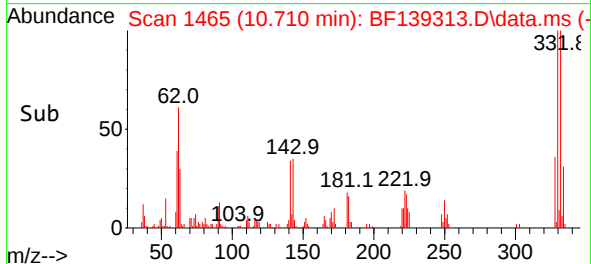


Tgt Ion: 330 Resp: 19715
Ion Ratio Lower Upper
330 100
332 99.7 76.6 115.0
141 40.8 30.1 45.1

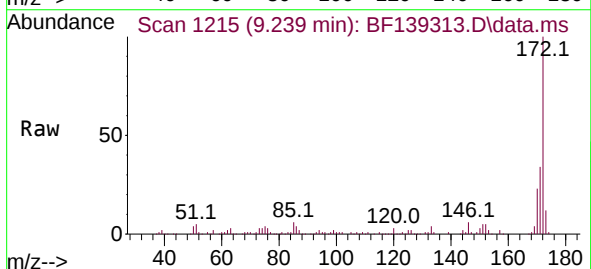
Manual Integrations

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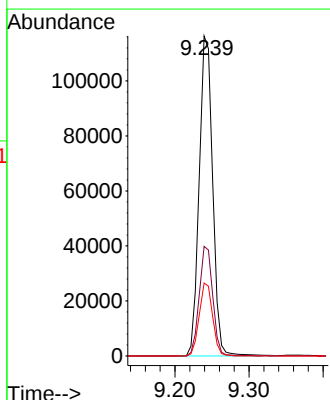
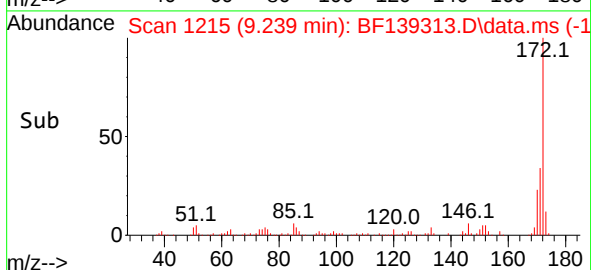
Reviewed By : Jagrut Upadhyay 09/11/2024
Supervised By : mohammad ahmed 09/12/2024

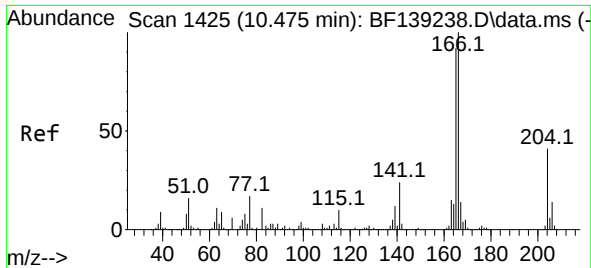


#45
2-Fluorobiphenyl
Concen: 12.396 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00



Tgt Ion: 172 Resp: 147838
Ion Ratio Lower Upper
172 100
171 34.2 28.3 42.5
170 22.8 18.7 28.1





#58
Fluorene
Concen: 2.474 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

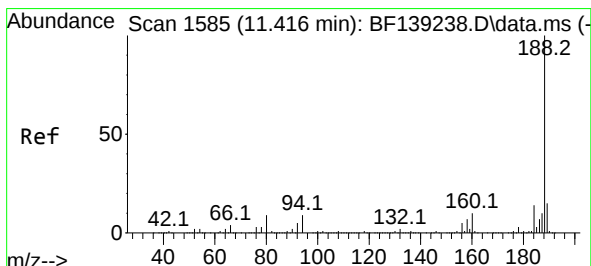
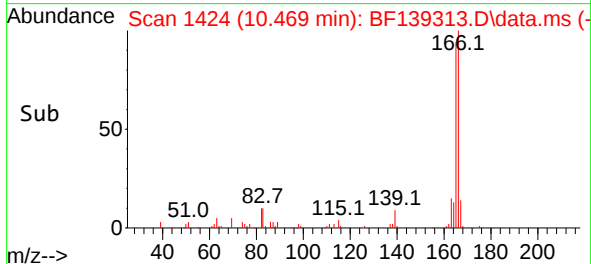
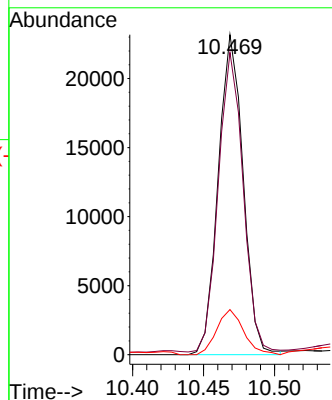
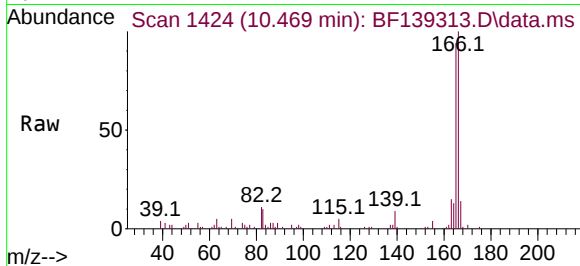
SU-04-090924

Tgt Ion:166 Resp: 28300
Ion Ratio Lower Upper
166 100
165 94.4 73.7 110.5
167 14.1 10.9 16.3

Manual Integrations

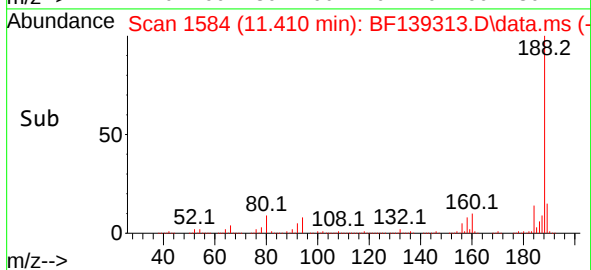
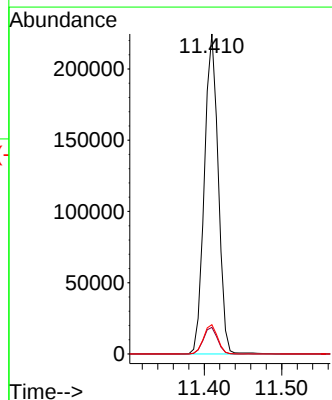
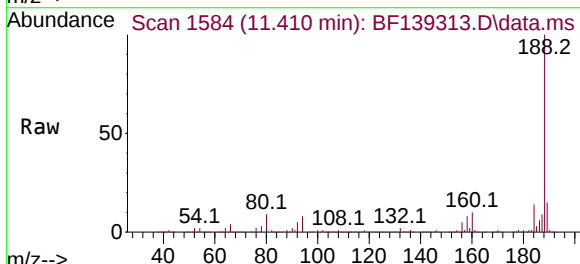
APPROVED

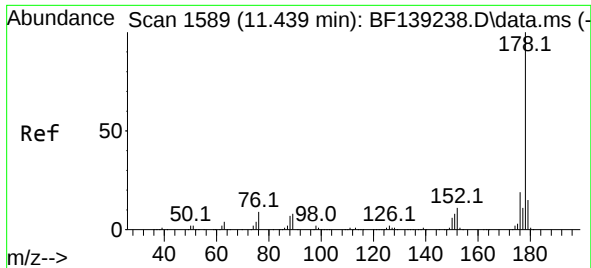
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:188 Resp: 278660
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.1 7.3 10.9





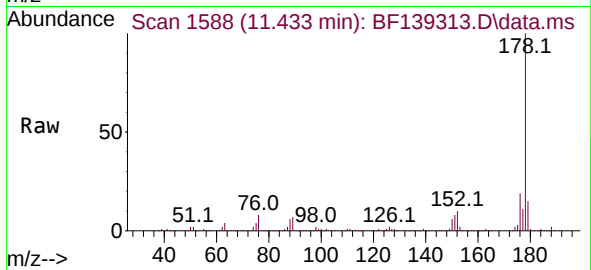
#71
Phenanthrene
Concen: 13.055 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

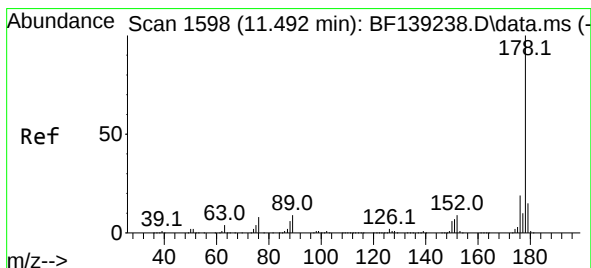
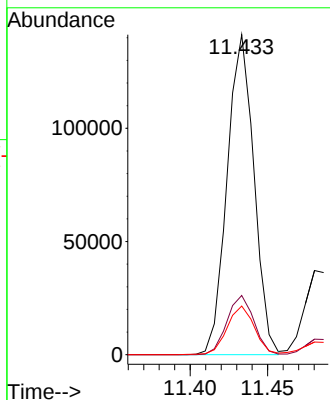
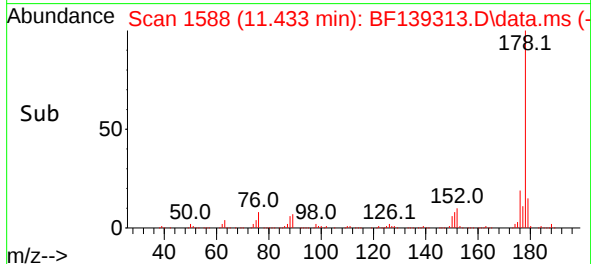


Tgt Ion:178 Resp: 169945
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.2 12.3 18.5

Manual Integrations

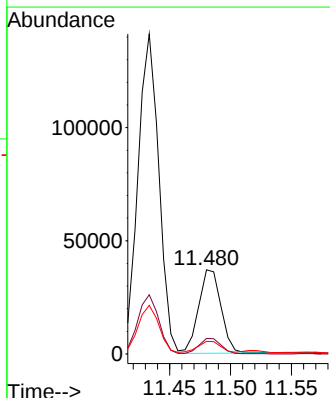
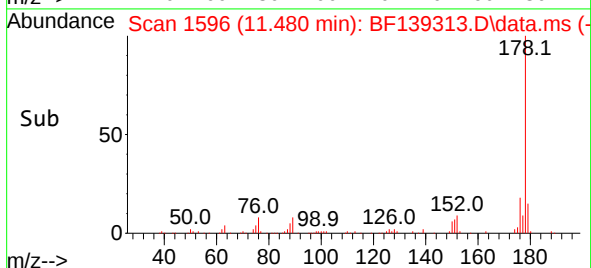
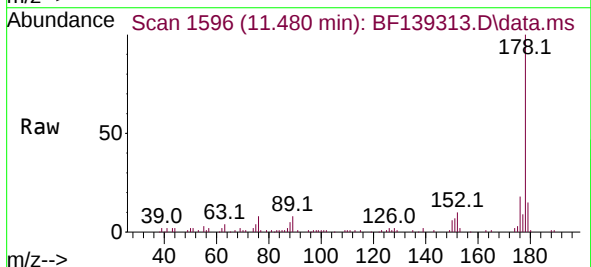
APPROVED

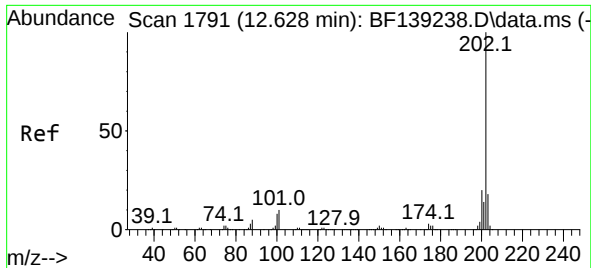
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#72
Anthracene
Concen: 3.748 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

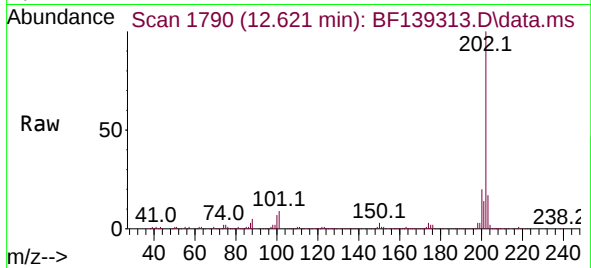
Tgt Ion:178 Resp: 47662
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 18.036 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

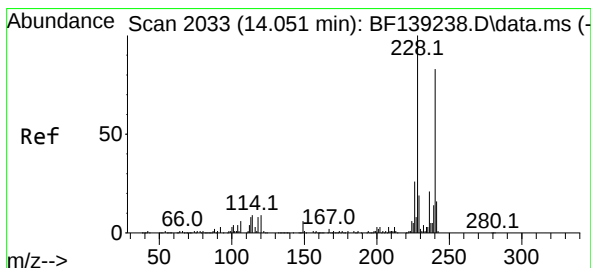
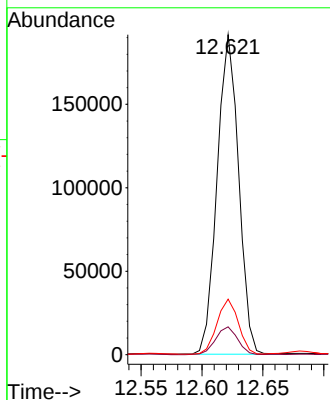
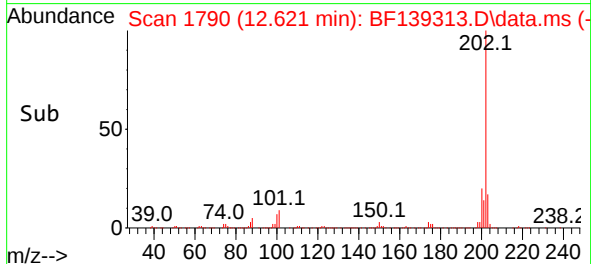
Instrument :
BNA_F
ClientSampleId :
SU-04-090924



Tgt Ion:202 Resp: 23538
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.9
203 17.3 0.0 37.7

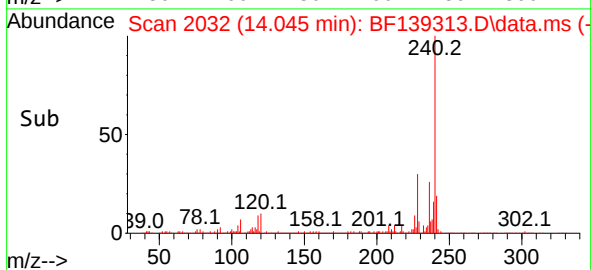
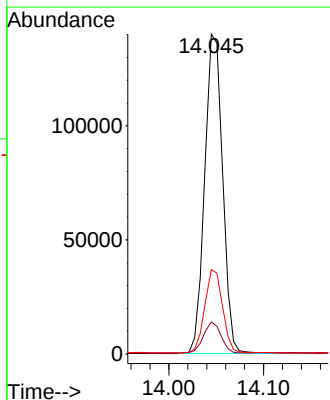
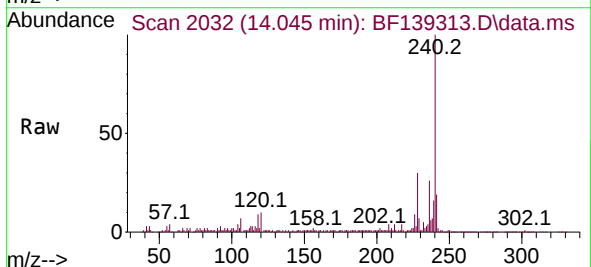
Manual Integrations
APPROVED

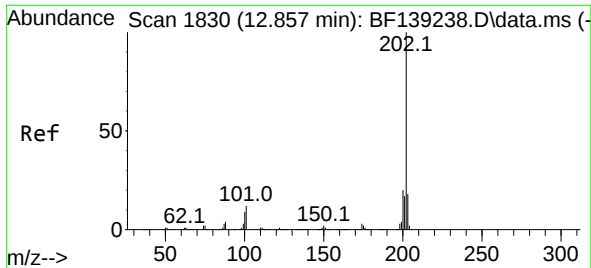
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

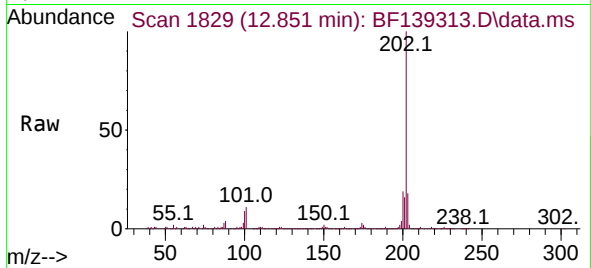
Tgt Ion:240 Resp: 184730
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 26.3 20.7 31.1





#78
Pyrene
Concen: 10.830 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

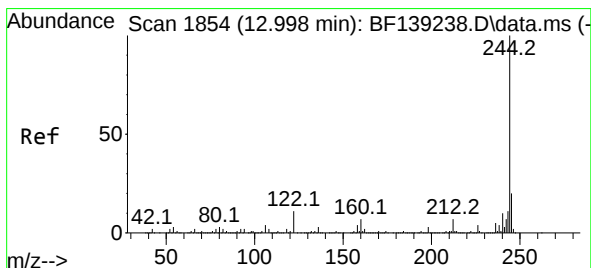
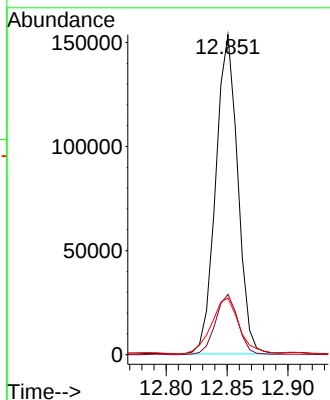
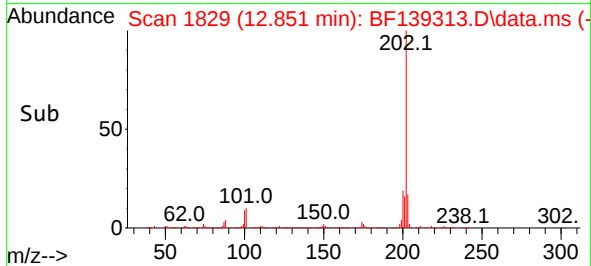
Instrument :
BNA_F
ClientSampleId :
SU-04-090924



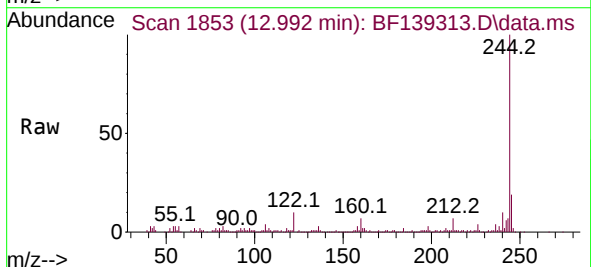
Tgt Ion:202 Resp: 19326
Ion Ratio Lower Upper
202 100
200 18.9 15.8 23.8
203 17.7 14.1 21.1

Manual Integrations
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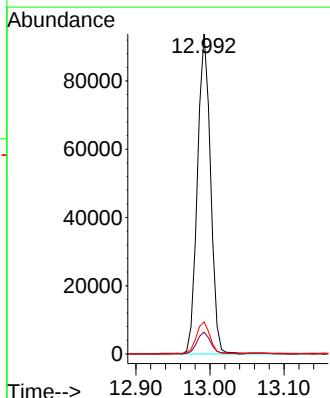
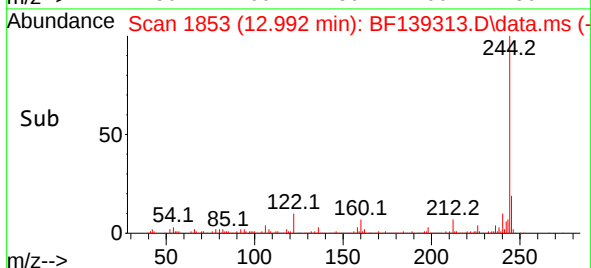
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

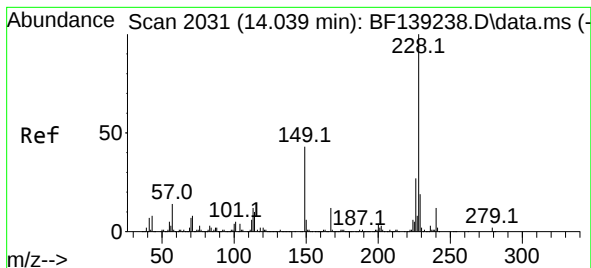


#79
Terphenyl-d14
Concen: 10.065 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00



Tgt Ion:244 Resp: 115154
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 10.0 8.7 13.1





#81

Benzo(a)anthracene

Concen: 7.469 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

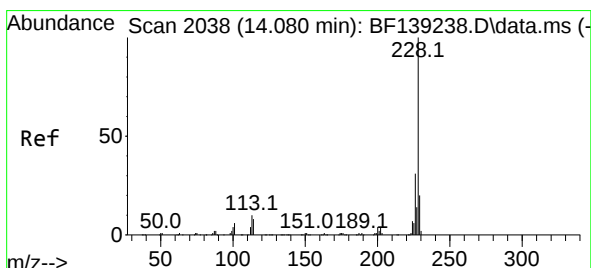
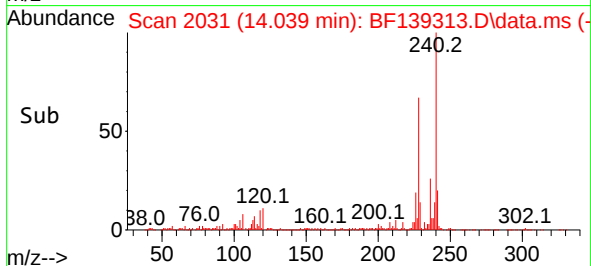
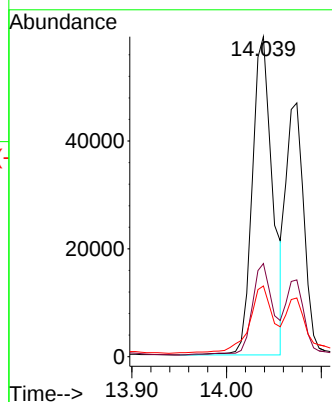
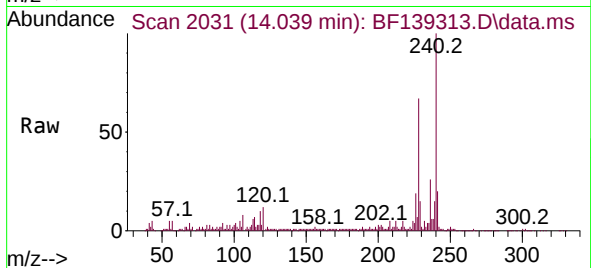
Tgt Ion:228 Resp: 8810

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.5	32.3
229	22.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#83

Chrysene

Concen: 5.581 ng

RT: 14.074 min Scan# 2037

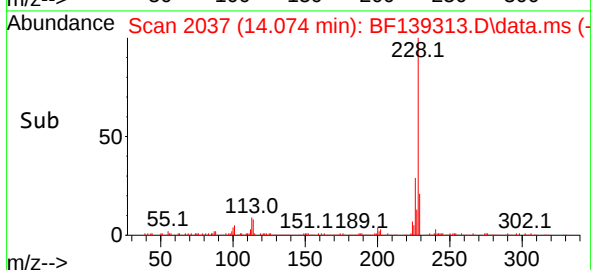
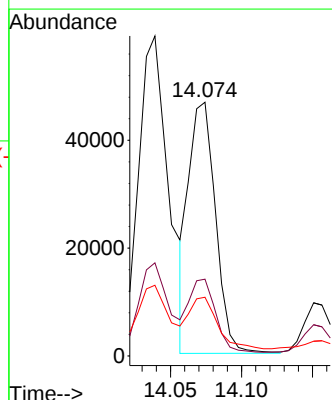
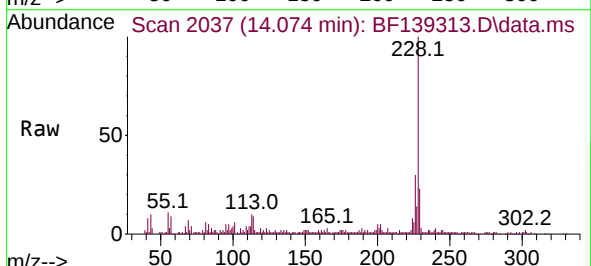
Delta R.T. -0.006 min

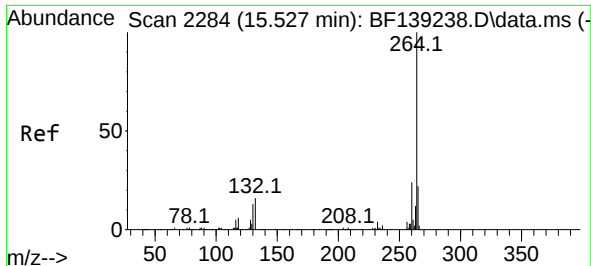
Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Tgt Ion:228 Resp: 61447

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	23.1	15.8	23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

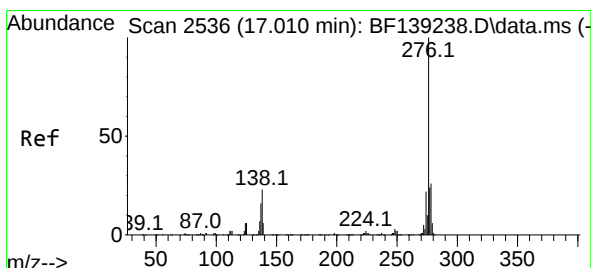
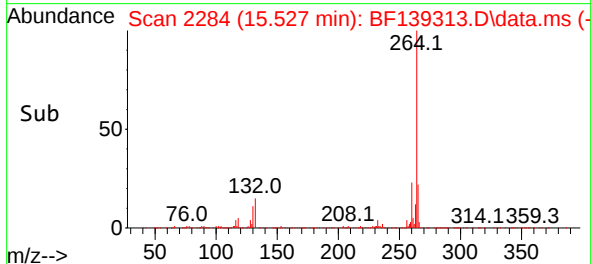
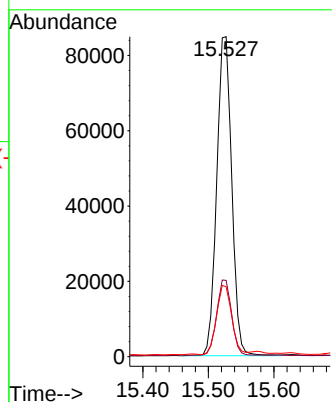
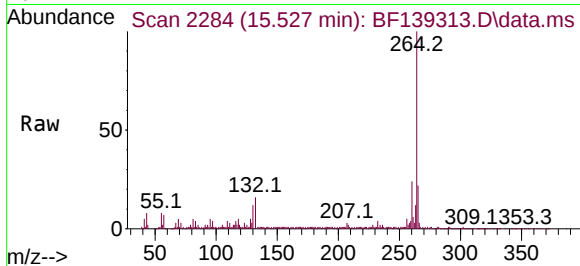
SU-04-090924

Tgt Ion:264 Resp: 134220
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 21.9 17.3 25.9

Manual Integrations

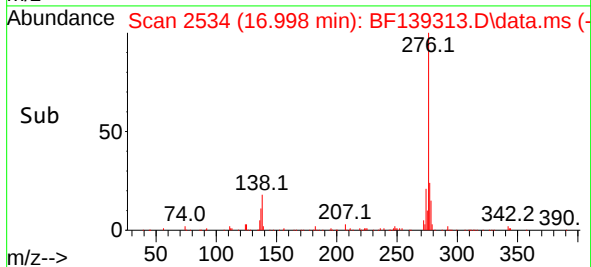
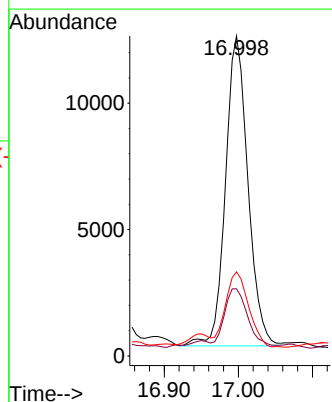
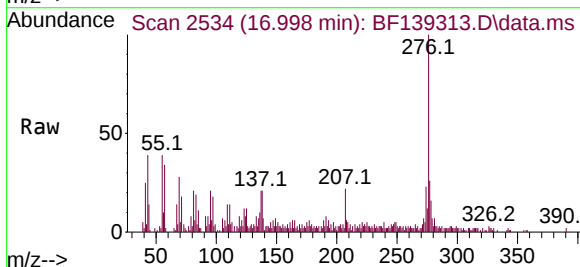
APPROVED

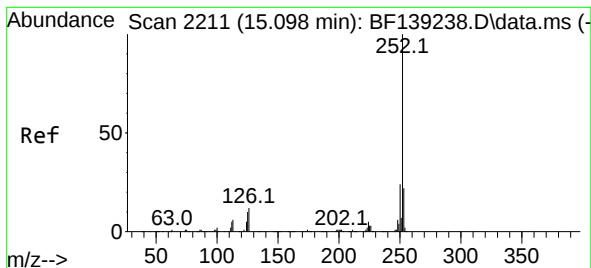
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.084 ng
RT: 16.998 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:276 Resp: 25861
Ion Ratio Lower Upper
276 100
138 19.1 20.4 30.6#
277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.404 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

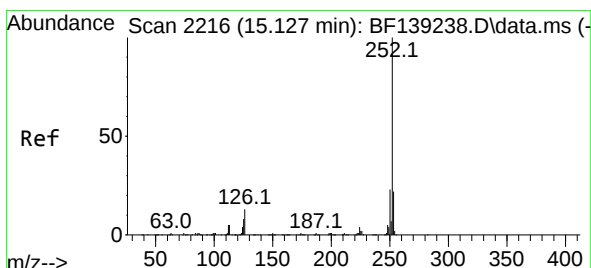
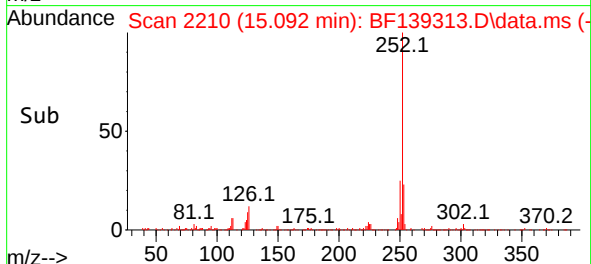
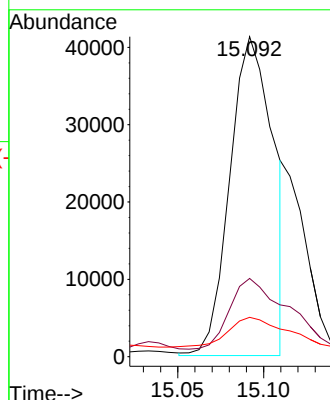
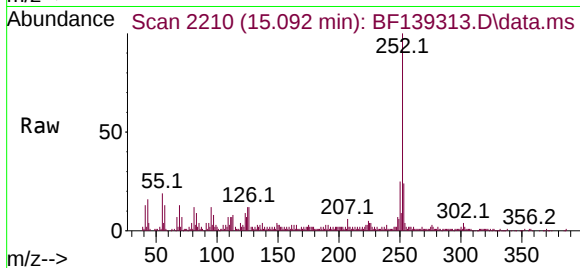
Tgt Ion:252 Resp: 72694

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	12.3	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#89

Benzo(k)fluoranthene

Concen: 3.227 ng m

RT: 15.109 min Scan# 2213

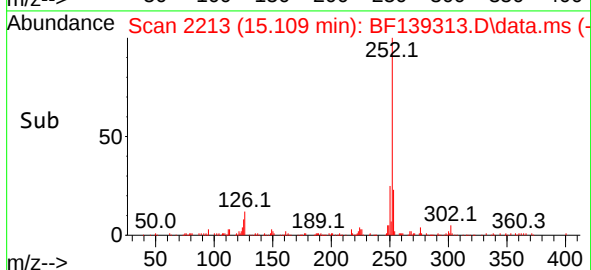
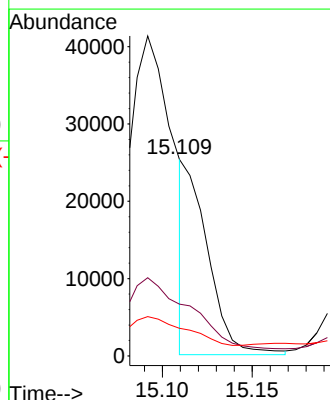
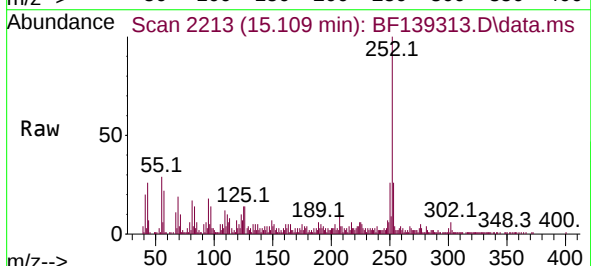
Delta R.T. -0.018 min

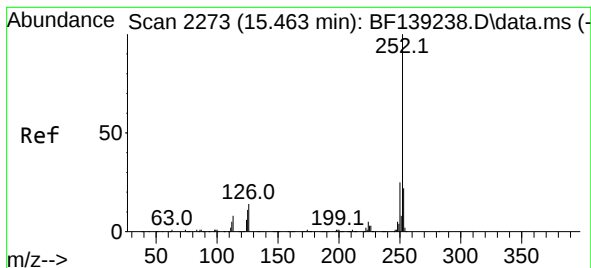
Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Tgt Ion:252 Resp: 22369

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.6	26.4
125	14.1	7.2	10.8





#90

Benzo(a)pyrene

Concen: 7.144 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

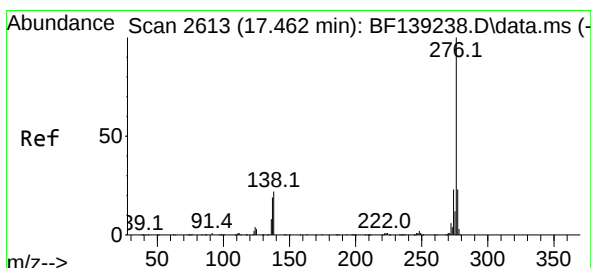
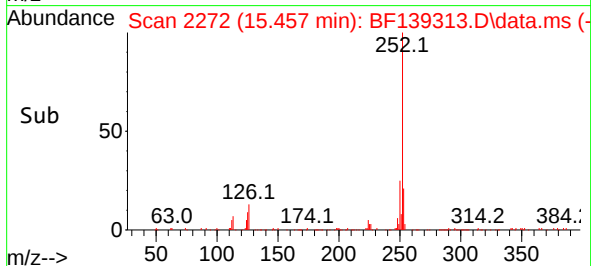
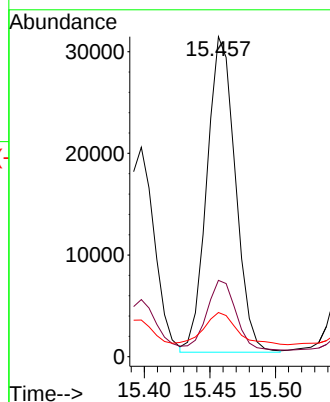
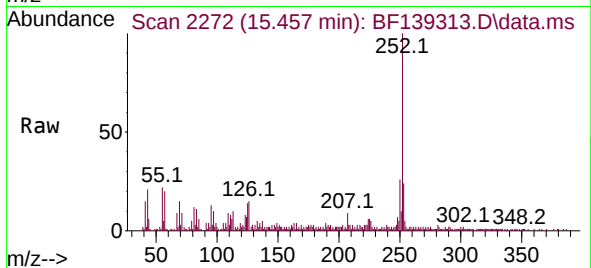
SU-04-090924

Tgt Ion:	252	Resp:	4689
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.5	26.3
125	13.8	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#92

Benzo(g,h,i)perylene

Concen: 3.482 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Tgt Ion:	276	Resp:	24838
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.6	27.8
138	20.8	17.4	26.0

