

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138341.D
 Acq On : 25 Jun 2024 18:37
 Operator : CG\JU
 Sample : P2997-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-062024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 18:59:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	206464	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	690415	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	305181	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538837	20.000	ng	0.00
76) Chrysene-d12	14.051	240	384501	20.000	ng	0.00
86) Perylene-d12	15.527	264	354052	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	888347	71.976	ng	-0.01
7) Phenol-d6	6.510	99	1081611	69.111	ng	-0.01
23) Nitrobenzene-d5	7.445	82	640700	54.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	256070	84.285	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1227176	63.942	ng	-0.01
79) Terphenyl-d14	13.004	244	1464960	60.344	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.875	142	63112	2.817	ng	99
71) Phenanthrene	11.433	178	162659	6.104	ng	97
75) Fluoranthene	12.627	202	398526	14.666	ng	100
78) Pyrene	12.863	202	463866	13.986	ng	97
81) Benzo(a)anthracene	14.039	228	204912	8.307	ng	# 93
83) Chrysene	14.074	228	205657	8.747	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.004	276	96129	4.165	ng	97
88) Benzo(b)fluoranthene	15.092	252	214466m	10.272	ng	
89) Benzo(k)fluoranthene	15.115	252	72330m	3.535	ng	
90) Benzo(a)pyrene	15.463	252	150675	8.400	ng	# 91
92) Benzo(g,h,i)perylene	17.456	276	94752	4.835	ng	97

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

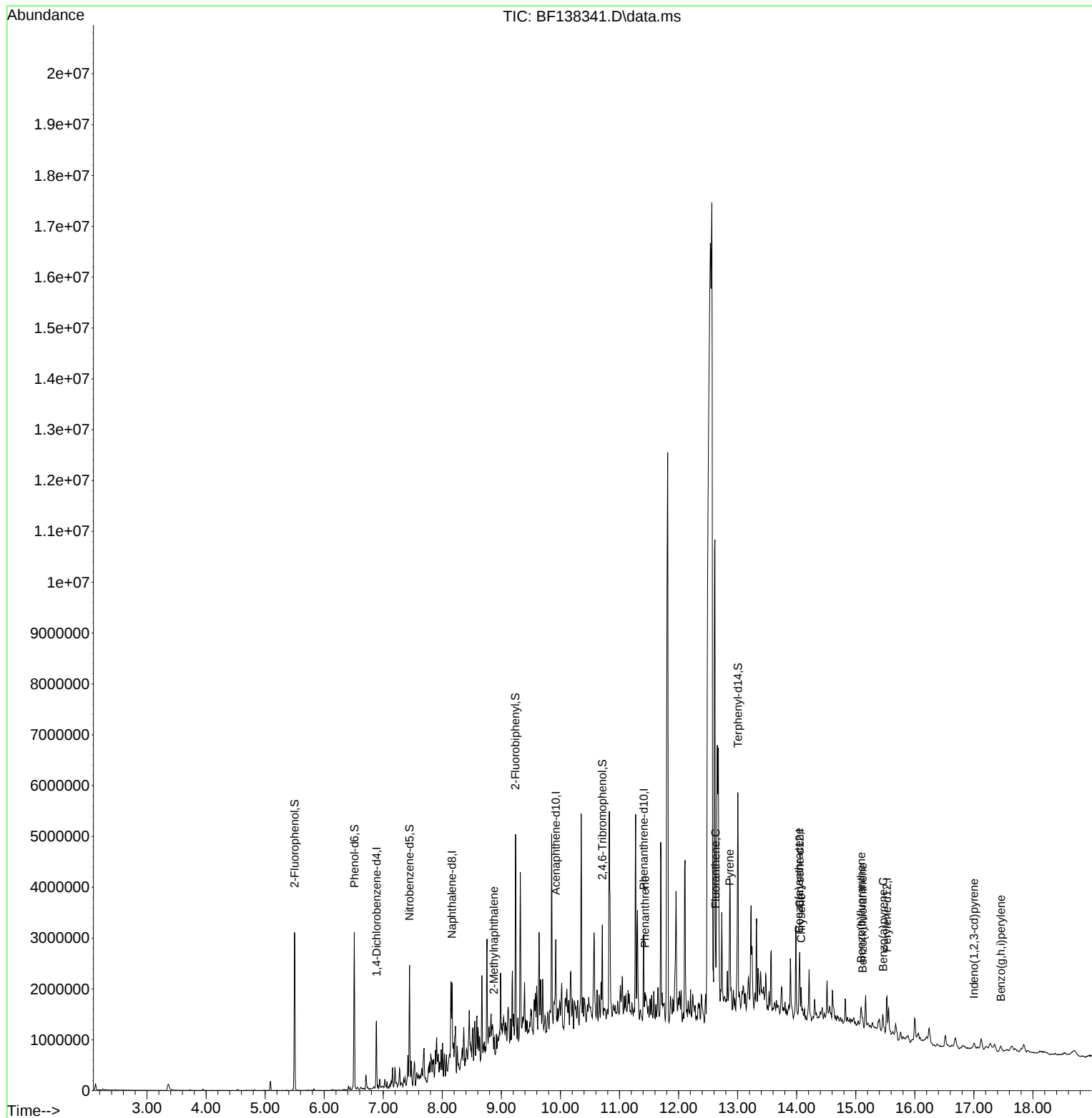
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
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Quant Time: Jun 25 18:59:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

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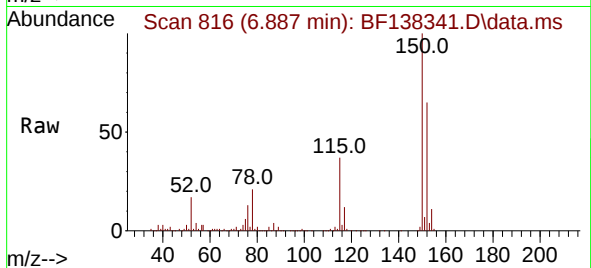
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

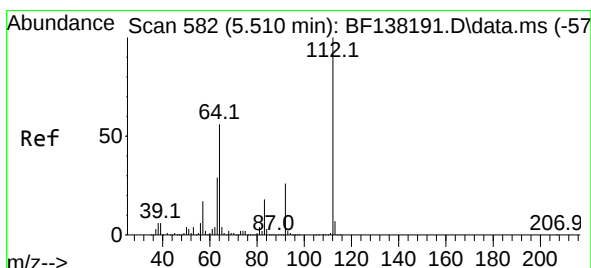
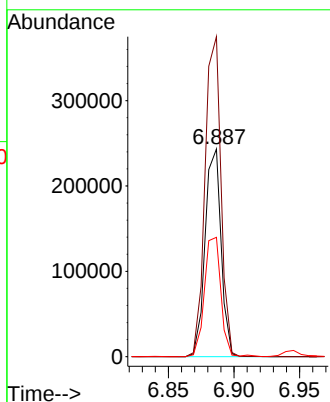
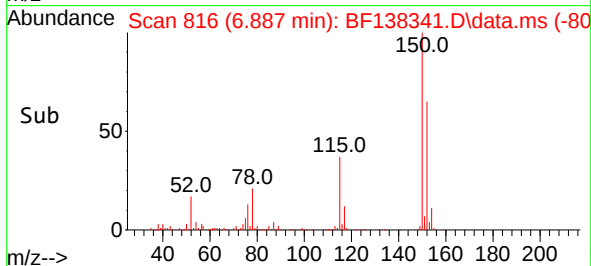


Tgt Ion:152 Resp: 206464
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 57.5 48.4 72.6

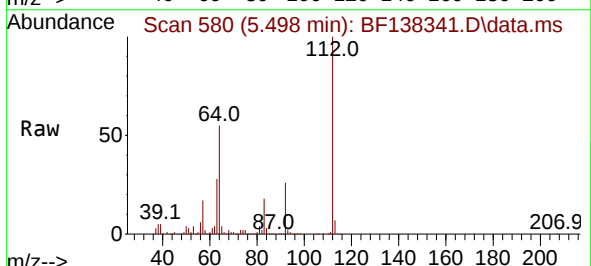
Manual Integrations

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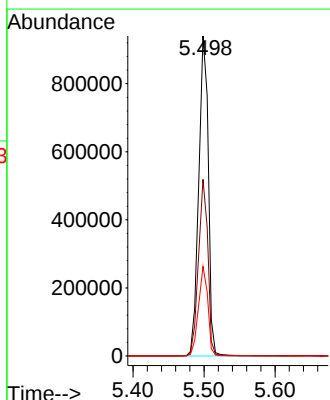
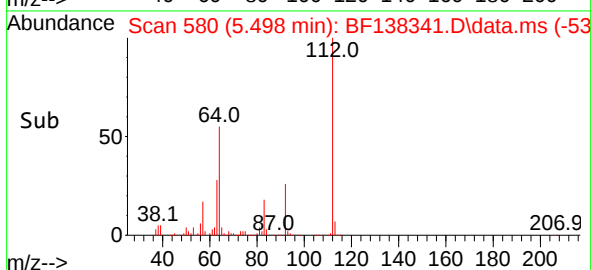
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#5
2-Fluorophenol
Concen: 71.976 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37



Tgt Ion:112 Resp: 888347
Ion Ratio Lower Upper
112 100
64 55.2 45.2 67.8
63 28.0 22.9 34.3





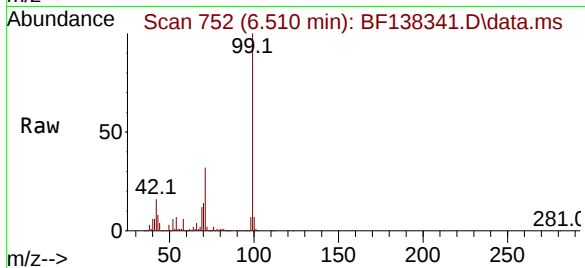
#7
Phenol-d6
Concen: 69.111 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024



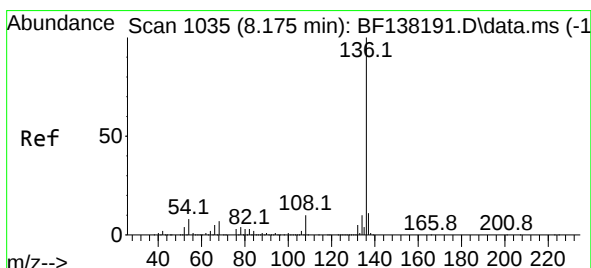
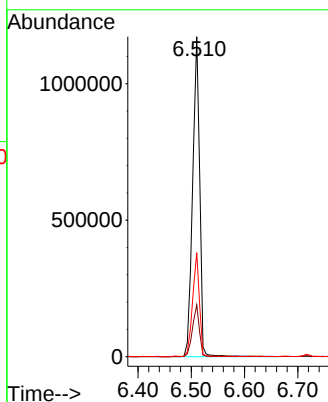
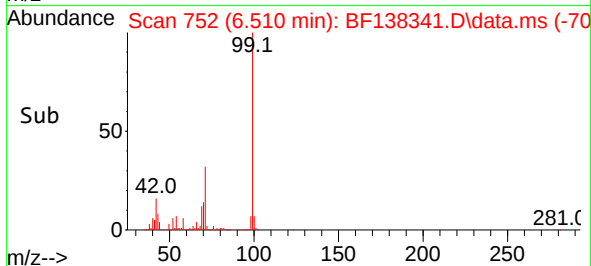
Tgt Ion: 99 Resp: 108161
Ion Ratio Lower Upper
99 100
42 16.2 13.7 20.5
71 32.5 25.0 37.6

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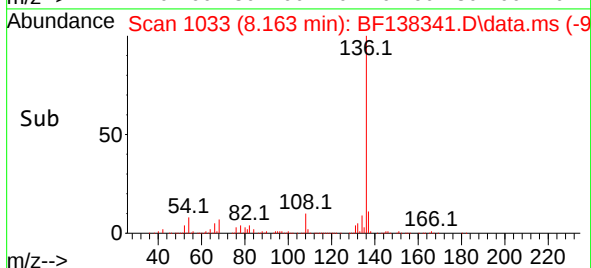
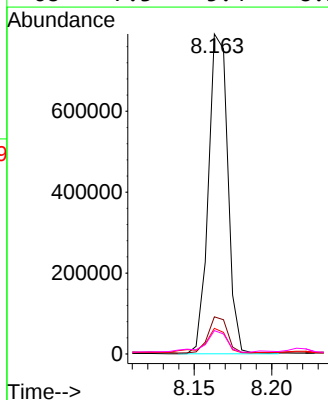
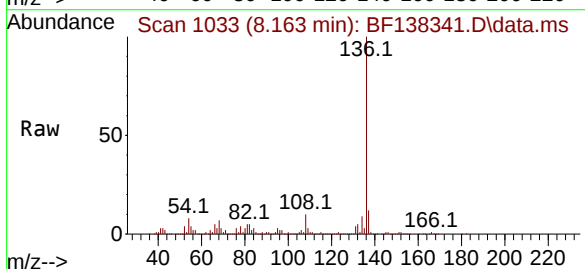
Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:136 Resp: 690415
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 8.0 6.6 10.0
68 7.3 5.4 8.2





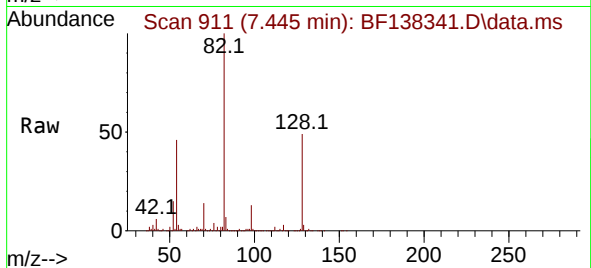
#23
Nitrobenzene-d5
Concen: 54.024 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

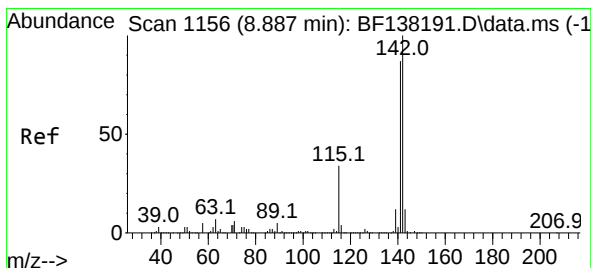
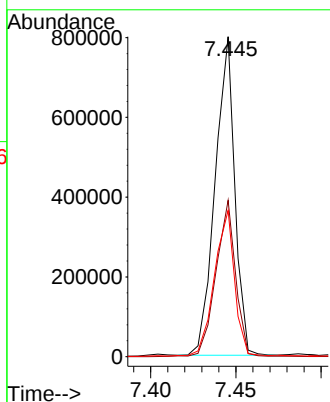
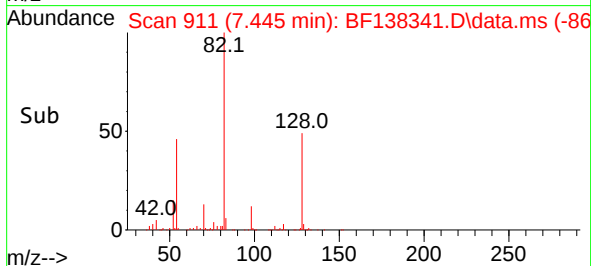
TR-06-062024



Tgt Ion: 82 Resp: 640700
Ion Ratio Lower Upper
82 100
128 48.8 37.2 55.8
54 45.7 39.8 59.6

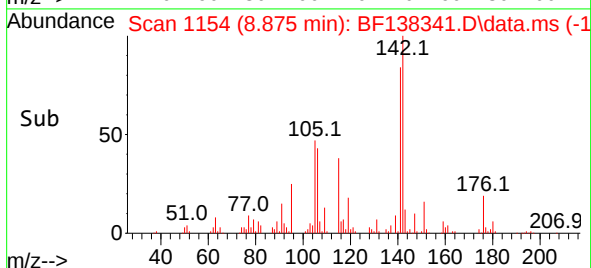
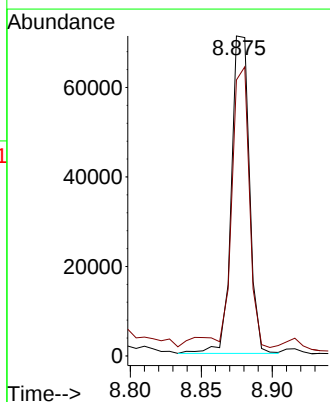
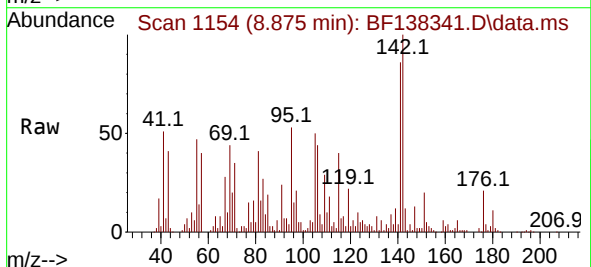
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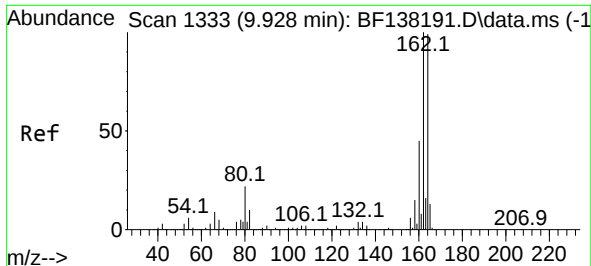
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#37
2-Methylnaphthalene
Concen: 2.817 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:142 Resp: 63112
Ion Ratio Lower Upper
142 100
141 86.3 69.9 104.9





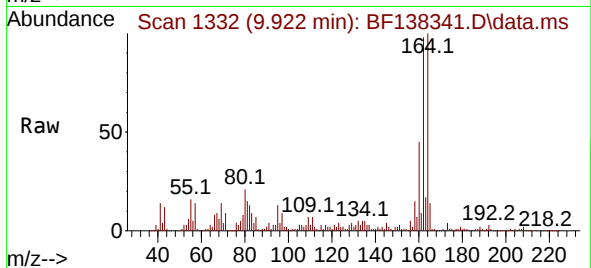
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024



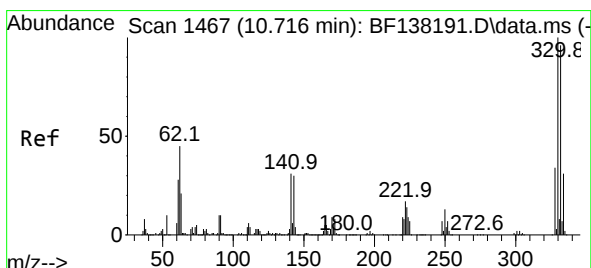
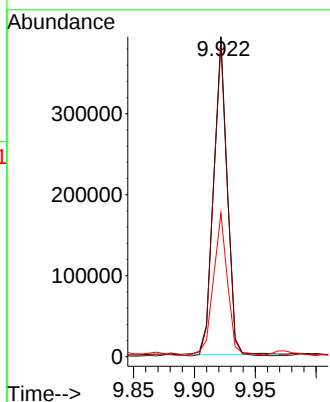
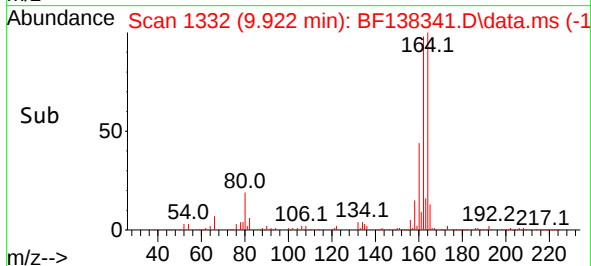
Tgt Ion:164 Resp: 30518
Ion Ratio Lower Upper
164 100
162 97.8 80.6 121.0
160 44.9 36.3 54.5

Manual Integrations

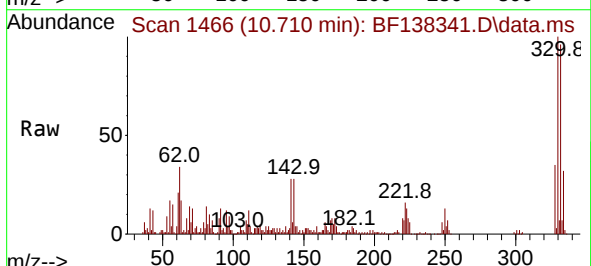
APPROVED

Reviewed By :Yogesh Patel 06/26/2024

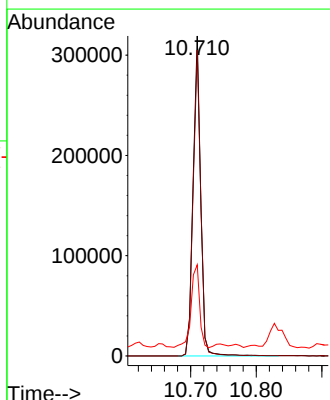
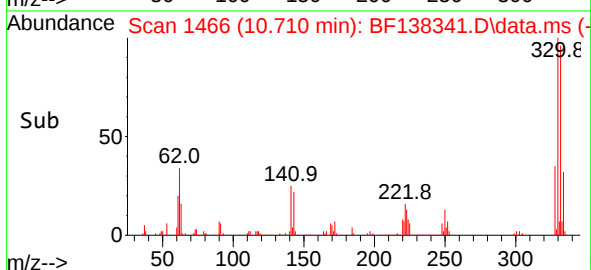
Supervised By :mohammad ahmed 06/27/2024

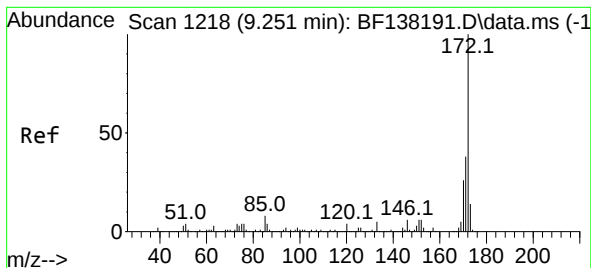


#42
2,4,6-Tribromophenol
Concen: 84.285 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37



Tgt Ion:330 Resp: 256070
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 28.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 63.942 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

Tgt Ion:172 Resp: 1227170

Ion Ratio Lower Upper

172 100

171 35.4 30.3 45.5

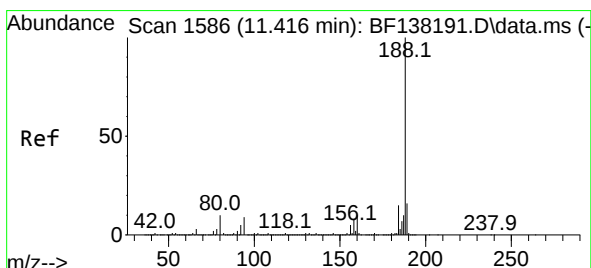
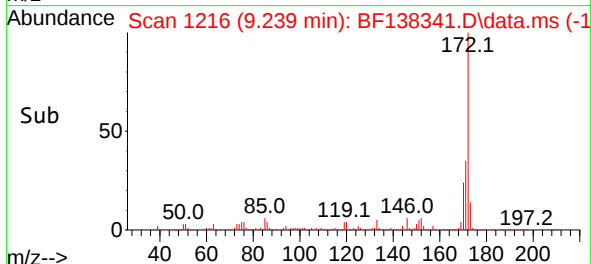
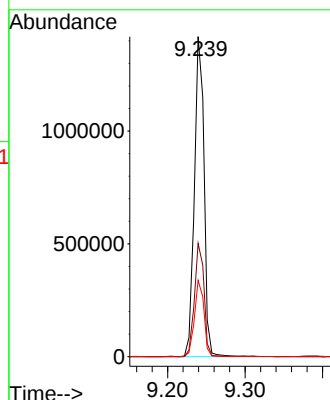
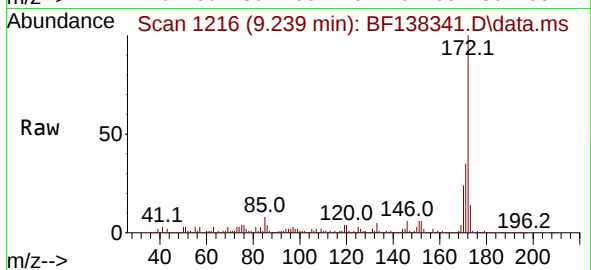
170 23.9 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

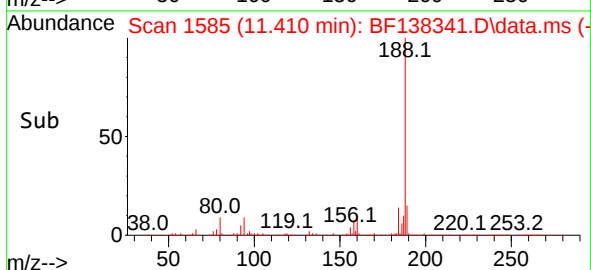
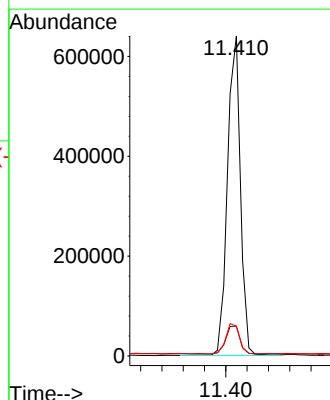
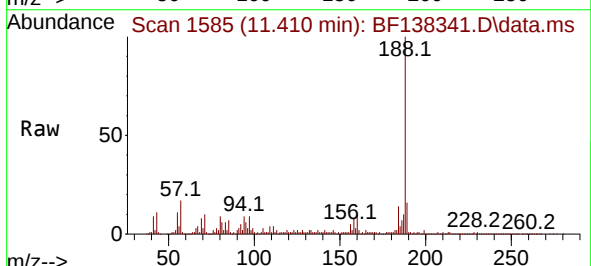
Tgt Ion:188 Resp: 538837

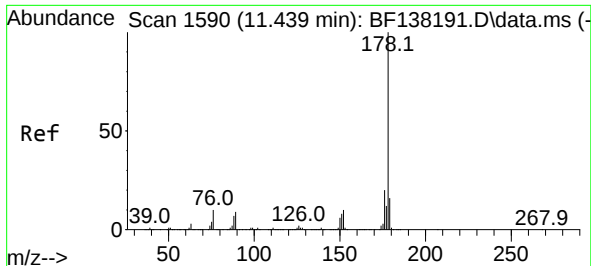
Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

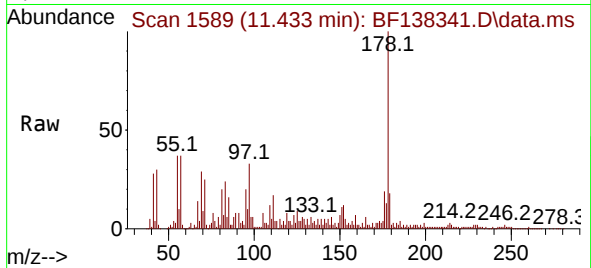
80 9.4 8.1 12.1





#71
Phenanthrene
Concen: 6.104 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

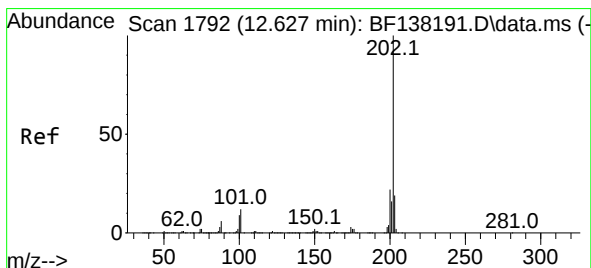
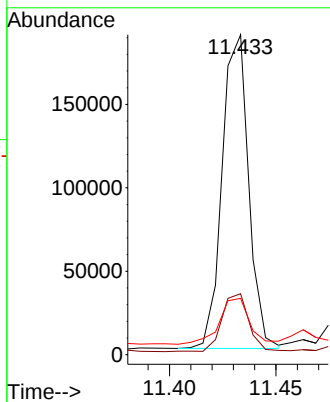
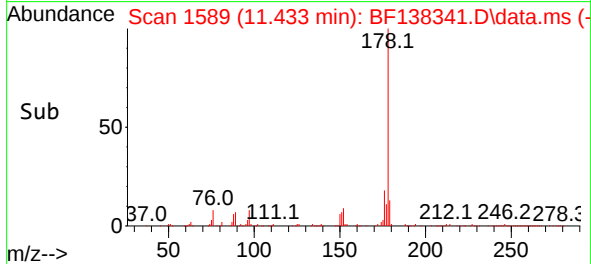
Instrument :
BNA_F
ClientSampleId :
TR-06-062024



Tgt Ion:178 Resp: 162659
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 17.6 13.1 19.7

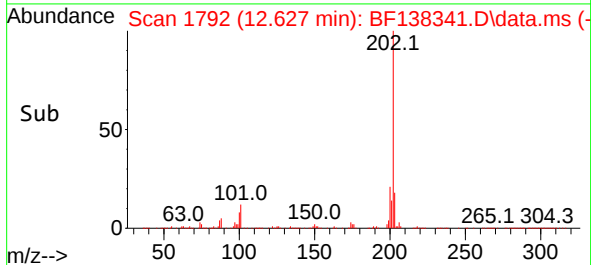
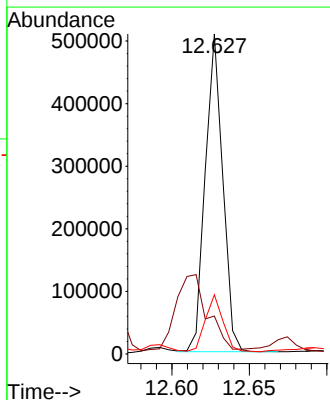
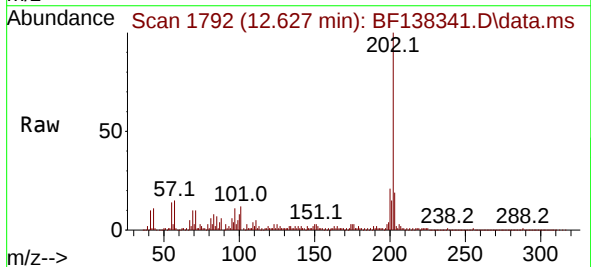
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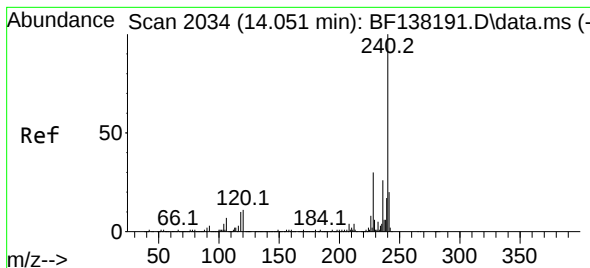
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#75
Fluoranthene
Concen: 14.666 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:202 Resp: 398526
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.8
203 18.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

Tgt Ion:240 Resp: 38450

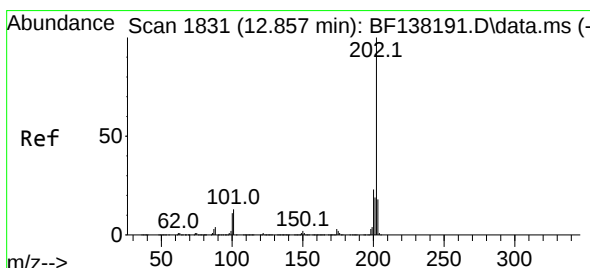
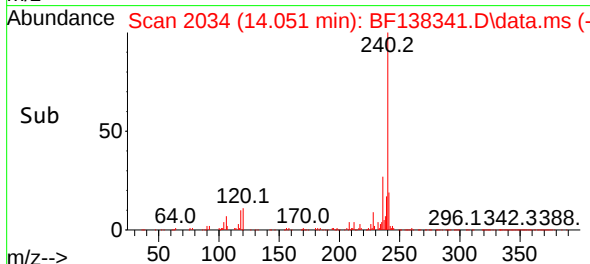
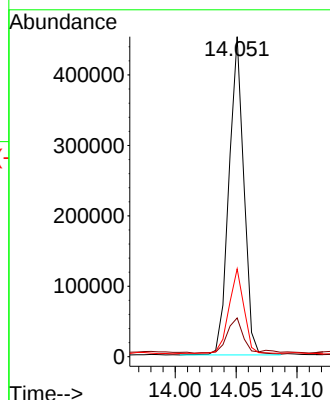
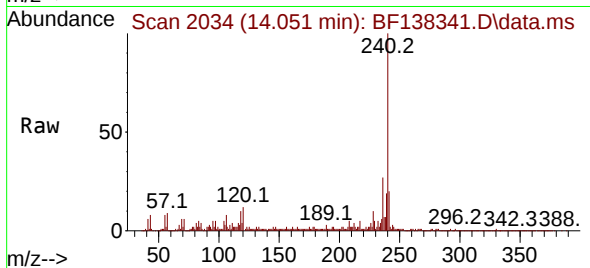
Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.2	13.8
236	27.4	21.0	31.6

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#78

Pyrene

Concen: 13.986 ng

RT: 12.863 min Scan# 1832

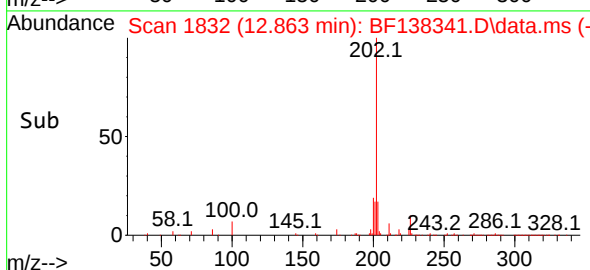
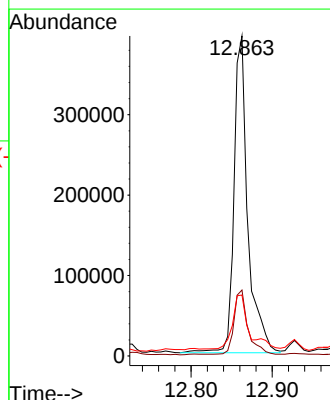
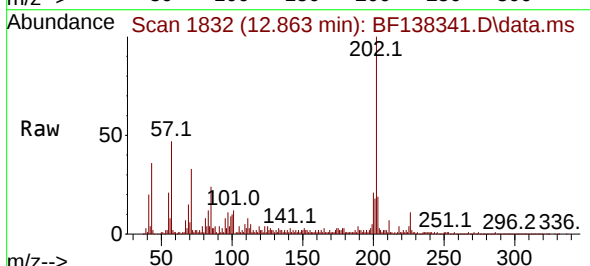
Delta R.T. 0.006 min

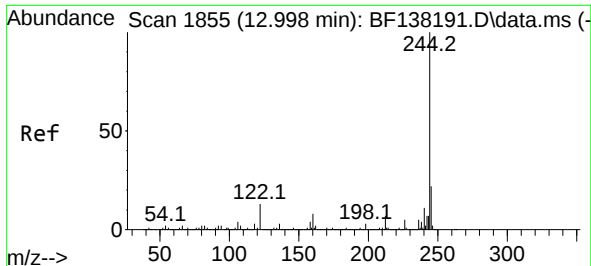
Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Tgt Ion:202 Resp: 463866

Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.0	27.0
203	19.0	14.7	22.1





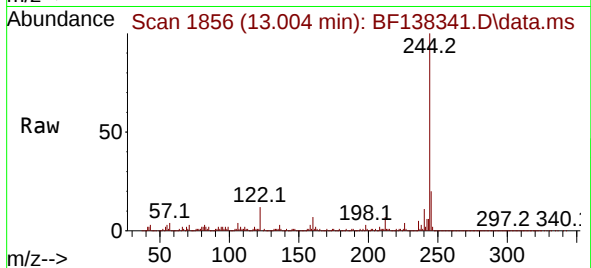
#79
Terphenyl-d14
Concen: 60.344 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024



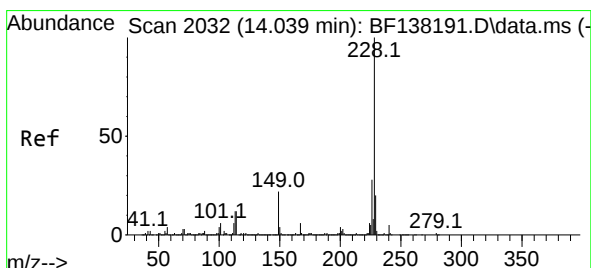
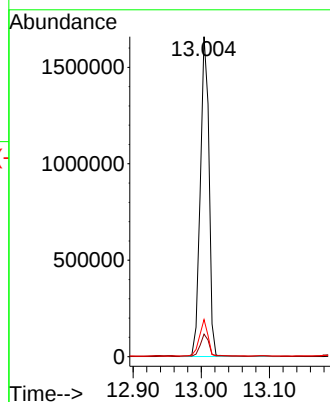
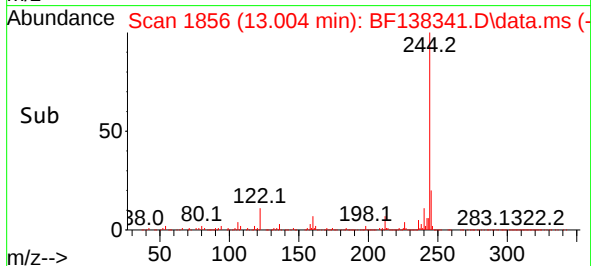
Tgt Ion:244 Resp: 1464960
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 11.6 10.6 15.8

Manual Integrations

APPROVED

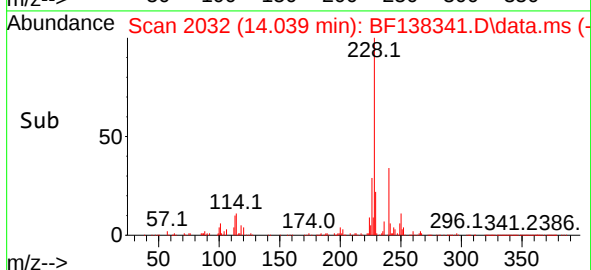
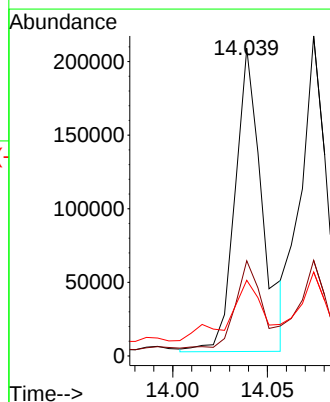
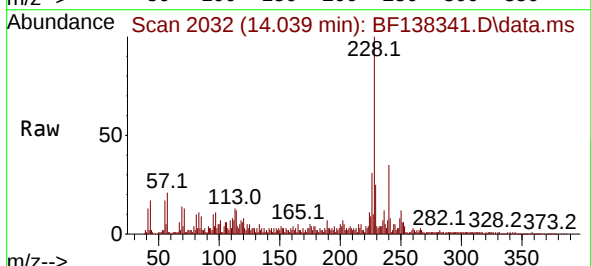
Reviewed By :Yogesh Patel 06/26/2024

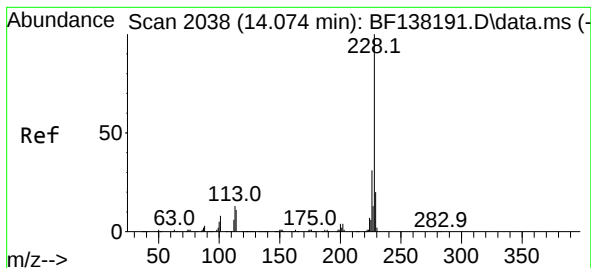
Supervised By :mohammad ahmed 06/27/2024



#81
Benzo(a)anthracene
Concen: 8.307 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:228 Resp: 204912
Ion Ratio Lower Upper
228 100
226 30.9 22.5 33.7
229 24.6 16.3 24.5#





#83

Chrysene

Concen: 8.747 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

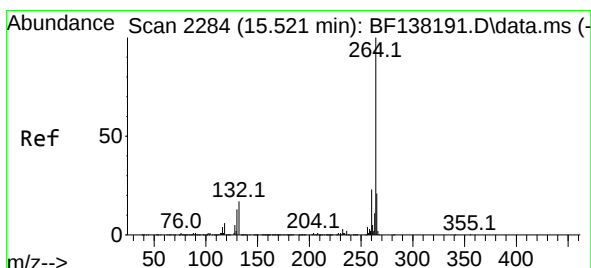
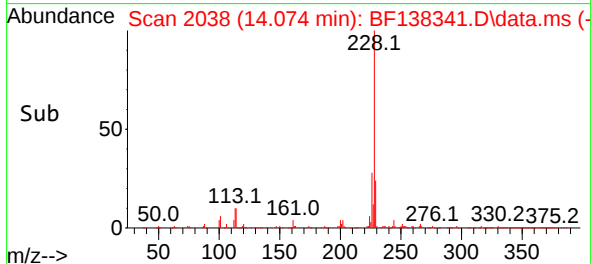
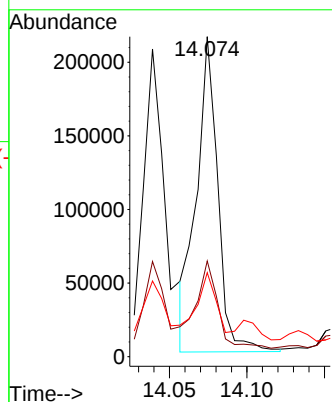
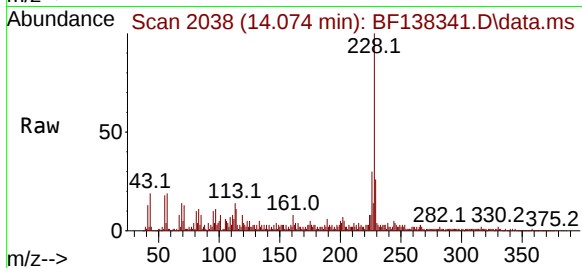
Tgt Ion:	228	Resp:	20565
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.5	36.7
229	26.2	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#86

Perylene-d12

Concen: 20.000 ng

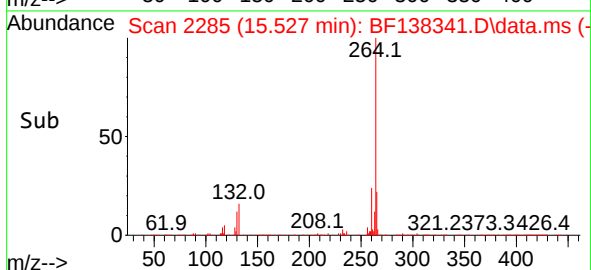
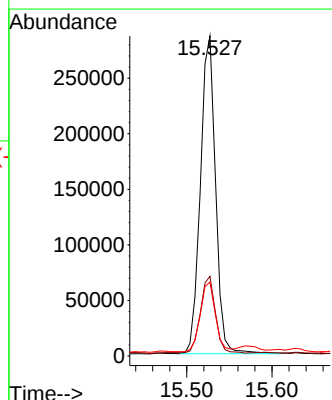
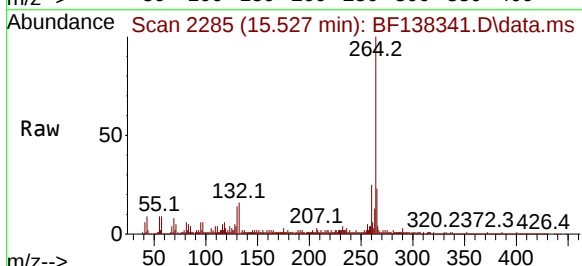
RT: 15.527 min Scan# 2285

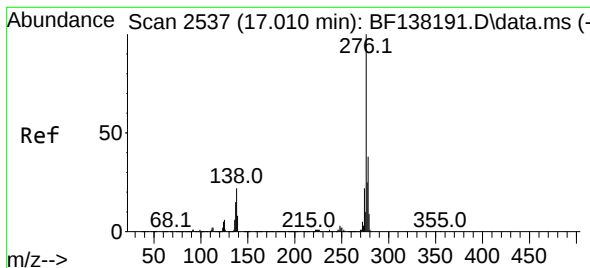
Delta R.T. 0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Tgt Ion:	264	Resp:	354052
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.7	28.1
265	23.1	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.165 ng

RT: 17.004 min Scan# 2537

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

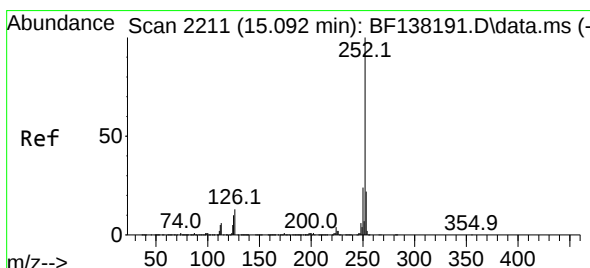
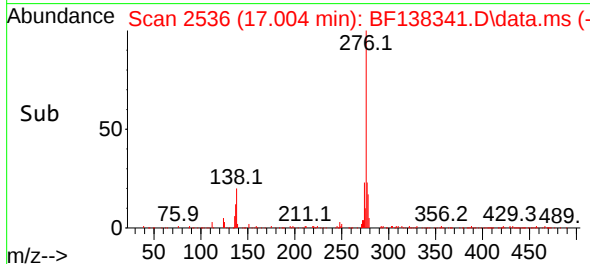
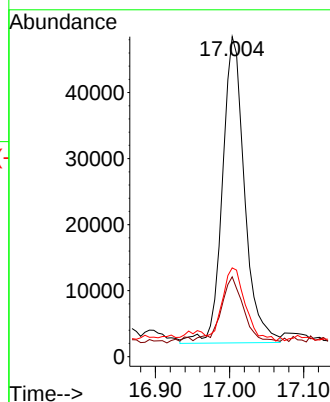
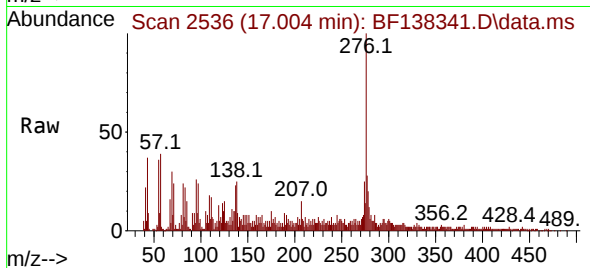
Tgt Ion:	276	Resp:	96129
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.3	28.9
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#88

Benzo(b)fluoranthene

Concen: 10.272 ng m

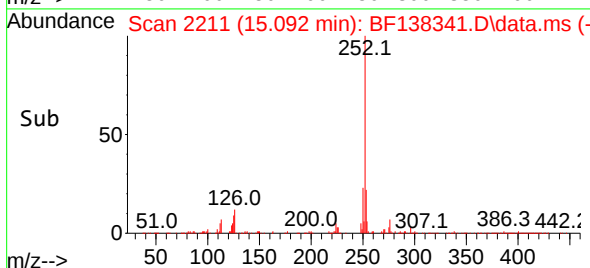
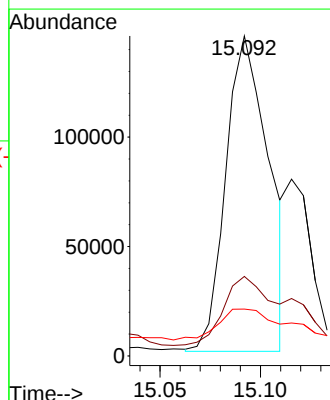
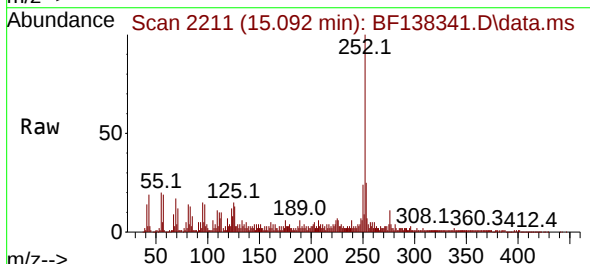
RT: 15.092 min Scan# 2211

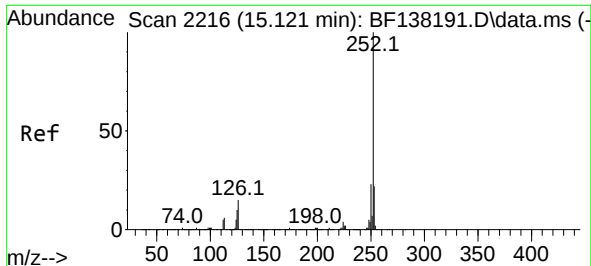
Delta R.T. -0.000 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Tgt Ion:	252	Resp:	214466
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.7	26.5
125	14.6	7.8	11.8





#89
Benzo(k)fluoranthene
Concen: 3.535 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

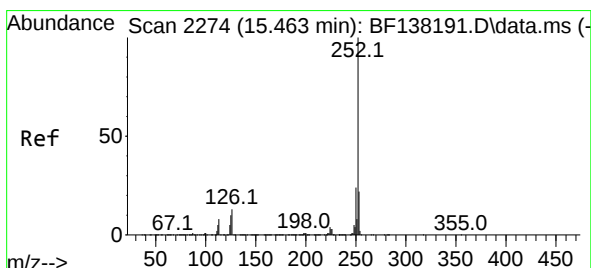
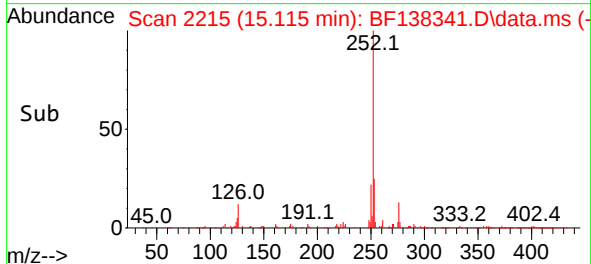
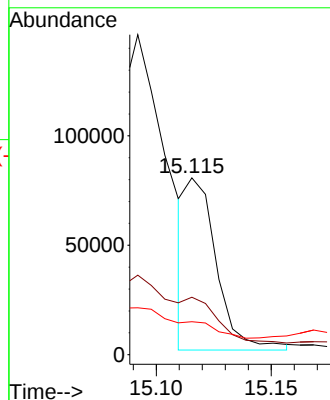
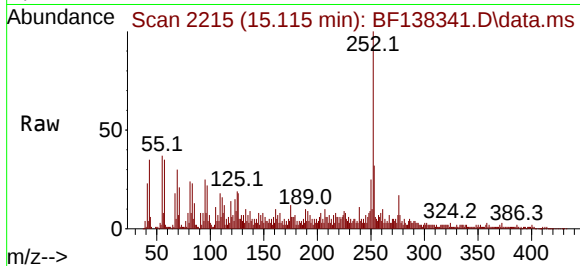
TR-06-062024

Tgt Ion:252 Resp: 72330
Ion Ratio Lower Upper
252 100
253 32.5 17.8 26.8
125 18.7 8.0 12.0

Manual Integrations

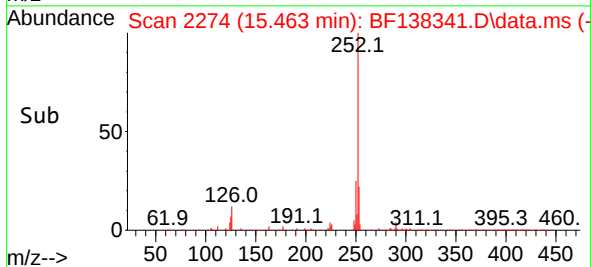
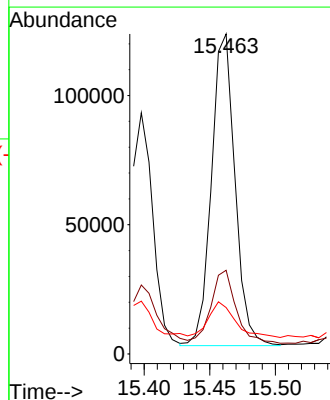
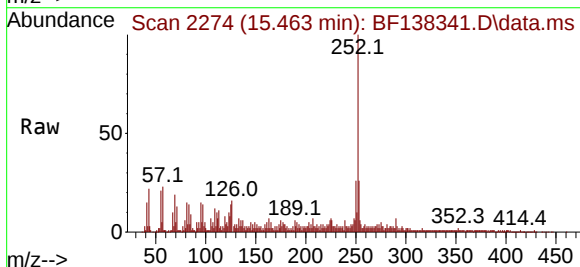
APPROVED

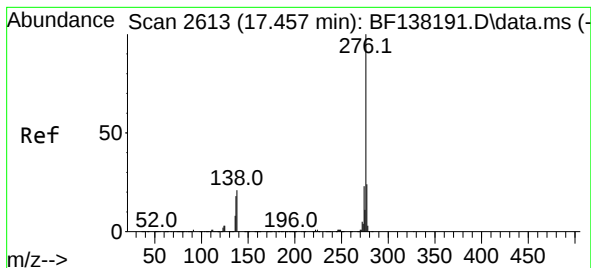
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#90
Benzo(a)pyrene
Concen: 8.400 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:252 Resp: 150675
Ion Ratio Lower Upper
252 100
253 26.2 17.7 26.5
125 14.5 8.2 12.2





#92

Benzo(g,h,i)perylene

Concen: 4.835 ng

RT: 17.456 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF138341.D

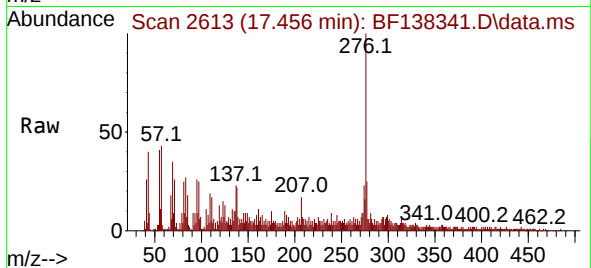
Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024



Tgt Ion:	276	Resp:	9475
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.5	29.3
138	22.1	16.6	24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024

