

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138181.D
 Acq On : 10 Jun 2024 19:35
 Operator : CG\JU
 Sample : P2786-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-060724

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 11 04:01:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	371351	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	1360026	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	655871	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	1052383	20.000	ng	#-0.02
76) Chrysene-d12	14.057	240	716173	20.000	ng	-0.01
86) Perylene-d12	15.539	264	559324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	957834	43.958	ng	-0.02
7) Phenol-d6	6.516	99	1209323	43.865	ng	-0.02
23) Nitrobenzene-d5	7.451	82	602588	30.145	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	224891	35.630	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1215579	32.407	ng	-0.02
79) Terphenyl-d14	13.004	244	1156461	24.153	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	918786	18.136	ng	96
72) Anthracene	11.492	178	268718	5.318	ng	96
75) Fluoranthene	12.633	202	1548780	28.333	ng	98
78) Pyrene	12.863	202	1851284	28.583	ng	97
81) Benzo(a)anthracene	14.045	228	744942	16.487	ng	98
83) Chrysene	14.080	228	646106	14.900	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	204375	9.707	ng	96
88) Benzo(b)fluoranthene	15.104	252	556055m	15.814	ng	
89) Benzo(k)fluoranthene	15.127	252	171724m	5.121	ng	
90) Benzo(a)pyrene	15.468	252	410978	15.433	ng	# 95
92) Benzo(g,h,i)perylene	17.468	276	195458	10.232	ng	97

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

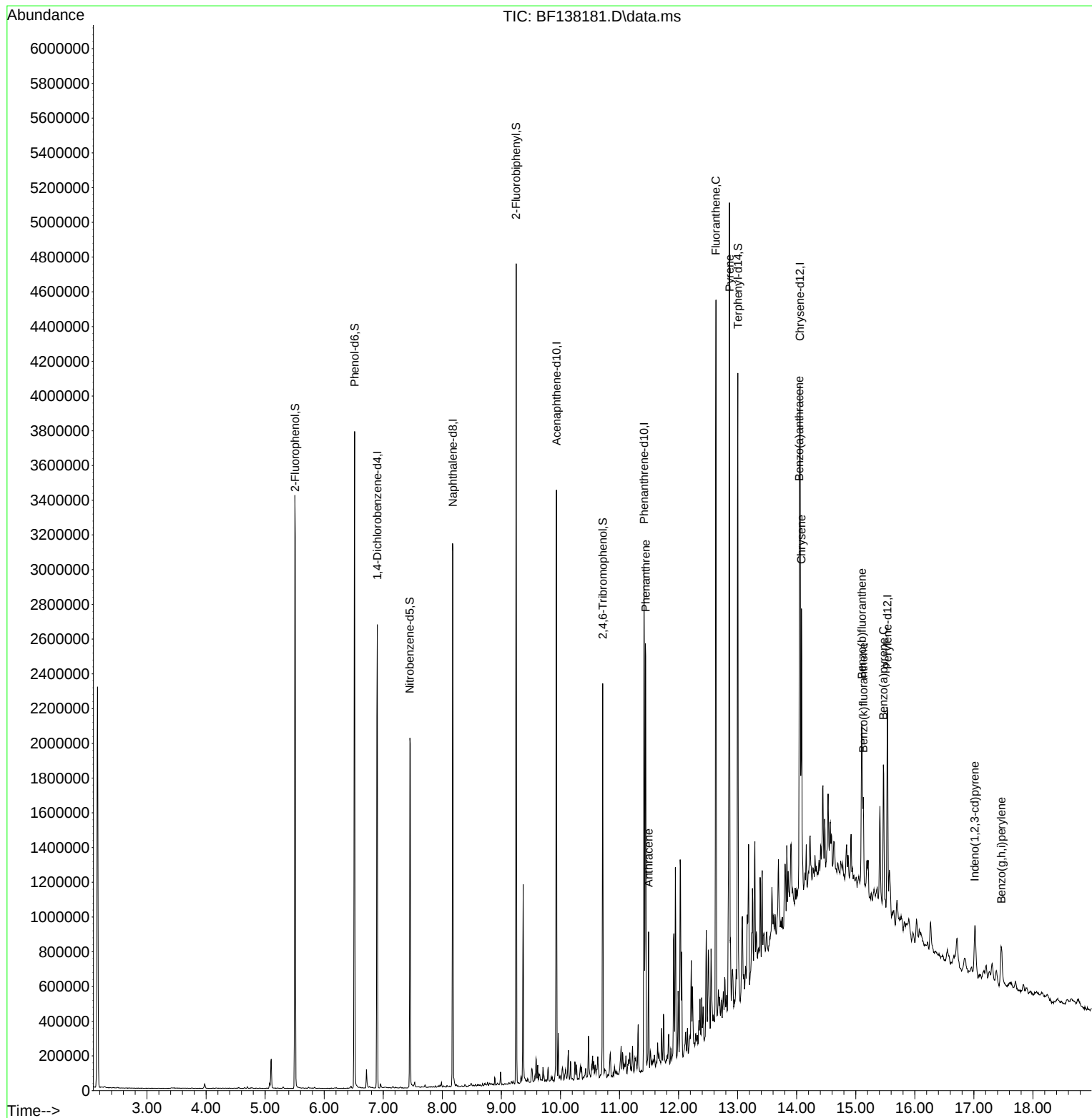
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

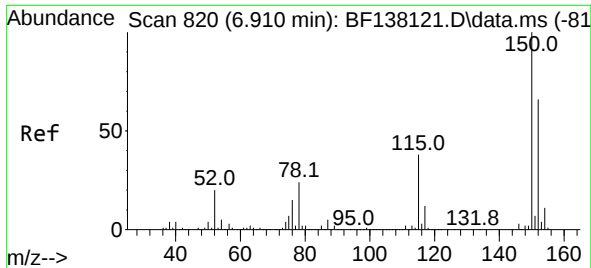
Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Time: Jun 11 04:01:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 05:19:29 2024
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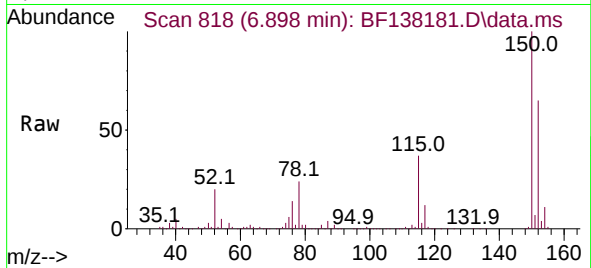
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

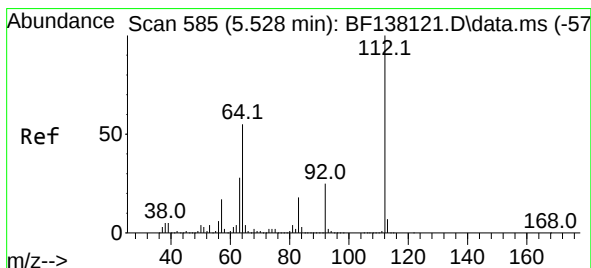
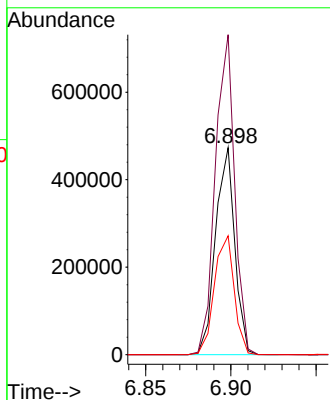
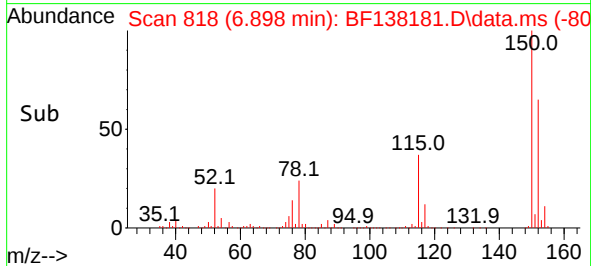
Instrument :
BNA_F
ClientSampleId :
HD-02-060724



Tgt Ion:152 Resp: 37135
Ion Ratio Lower Upper
152 100
150 154.5 121.8 182.6
115 57.4 46.2 69.2

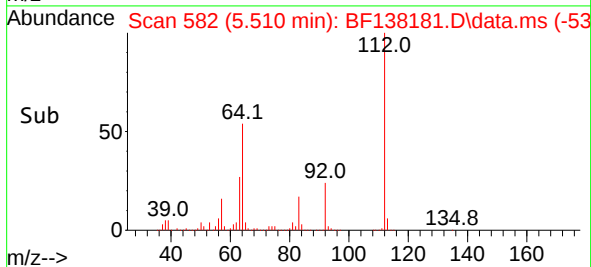
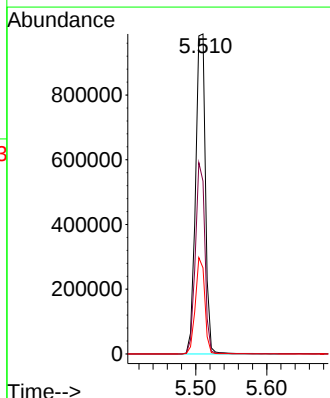
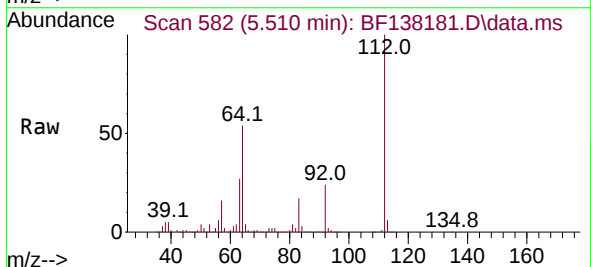
Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#5
2-Fluorophenol
Concen: 43.958 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

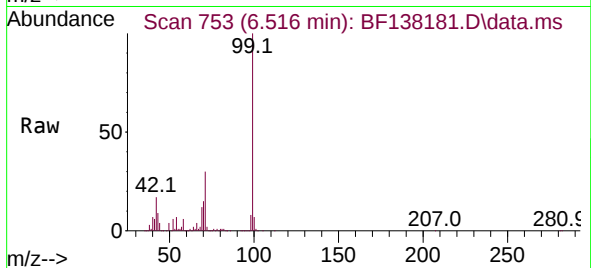
Tgt Ion:112 Resp: 957834
Ion Ratio Lower Upper
112 100
64 54.0 44.0 66.0
63 26.9 22.1 33.1





#7
Phenol-d6
Concen: 43.865 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

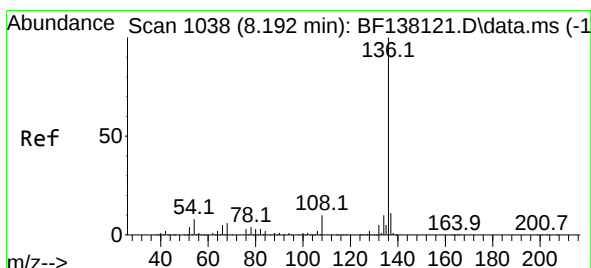
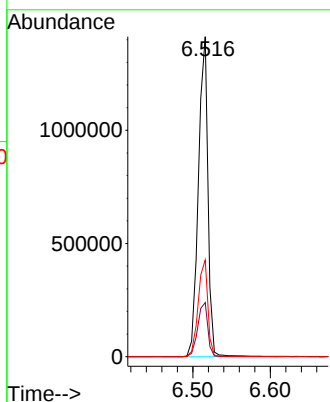
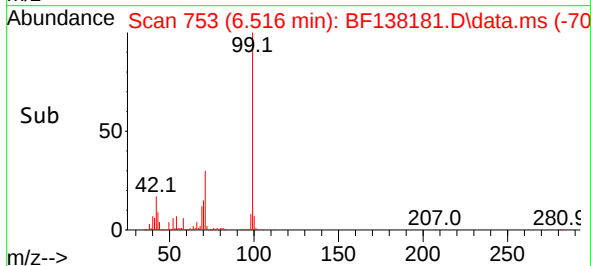
Instrument :
BNA_F
ClientSampleId :
HD-02-060724



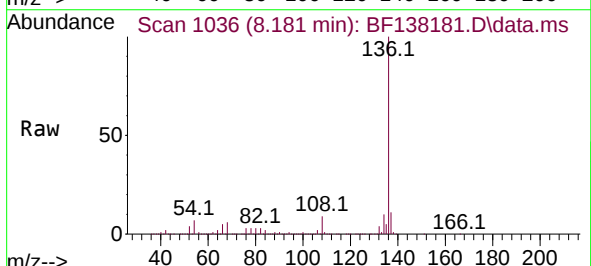
Tgt Ion: 99 Resp: 120932
Ion Ratio Lower Upper
99 100
42 16.9 14.4 21.6
71 30.2 25.5 38.3

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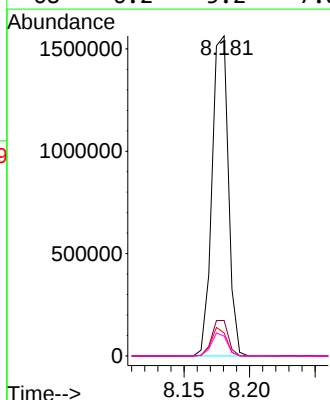
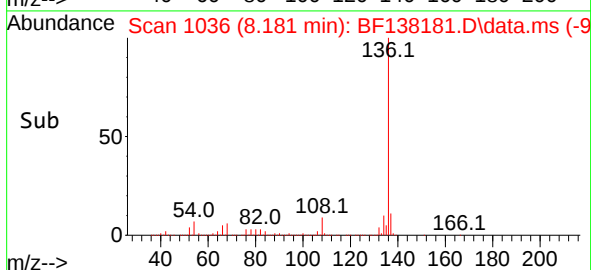
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

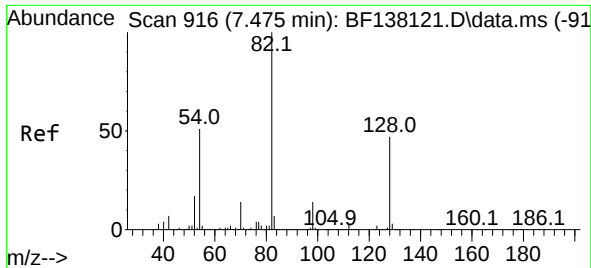


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35



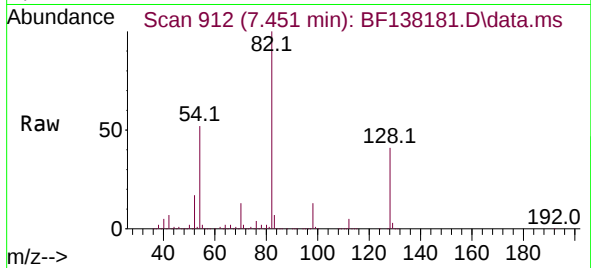
Tgt Ion:136 Resp: 1360026
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.2 6.2 9.2
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 30.145 ng
RT: 7.451 min Scan# 916
Delta R.T. -0.024 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

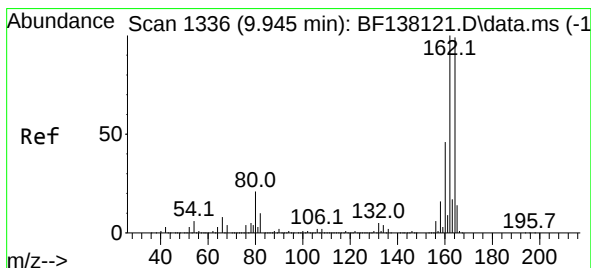
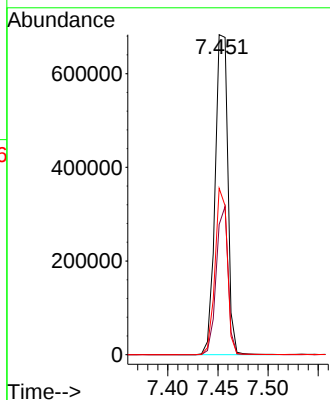
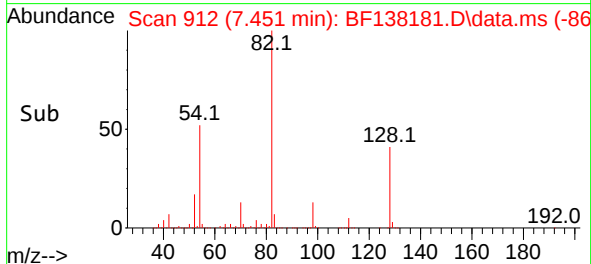
Instrument :
BNA_F
ClientSampleId :
HD-02-060724



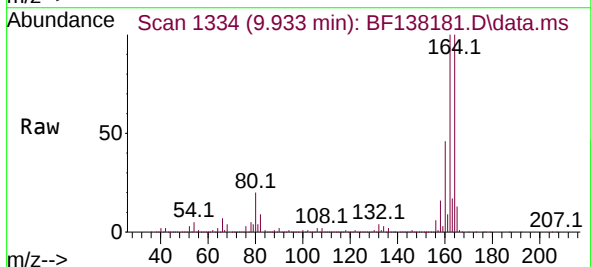
Tgt Ion: 82 Resp: 602588
Ion Ratio Lower Upper
82 100
128 40.7 37.7 56.5
54 52.0 40.8 61.2

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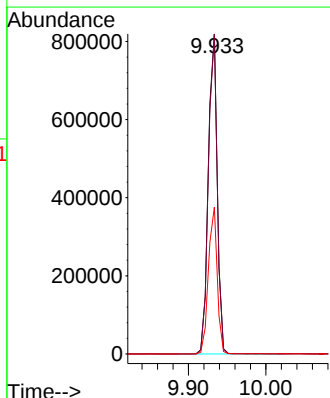
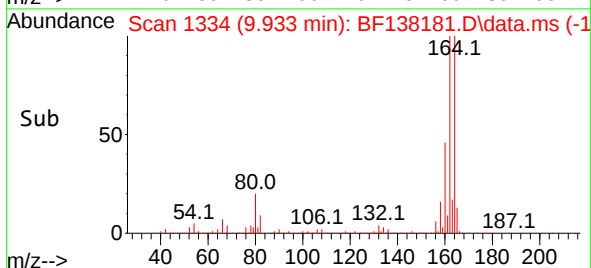
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

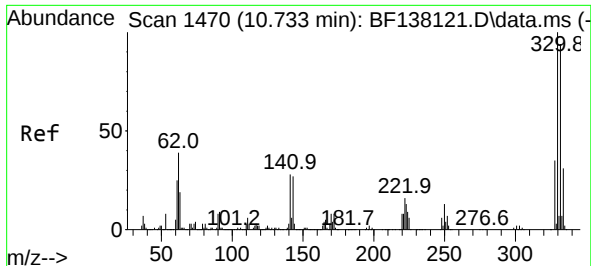


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35



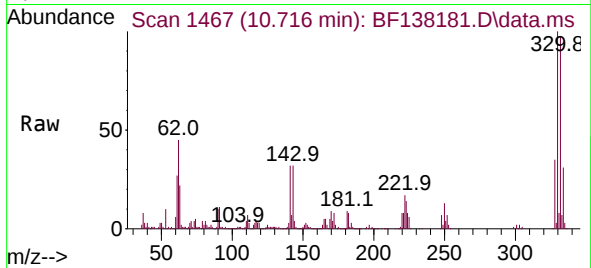
Tgt Ion:164 Resp: 655871
Ion Ratio Lower Upper
164 100
162 99.9 80.9 121.3
160 45.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 35.630 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.017 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

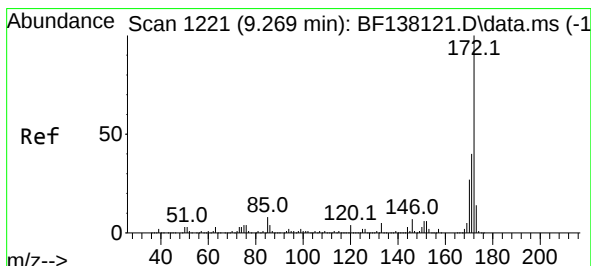
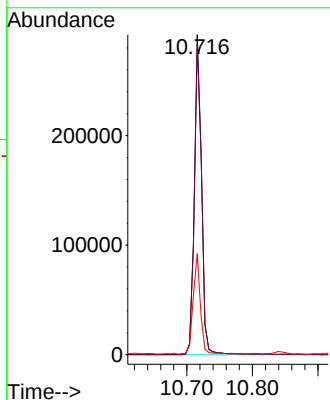
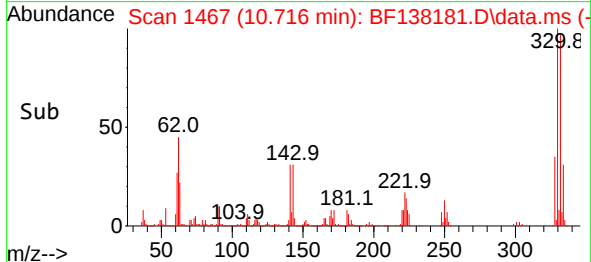
Instrument :
BNA_F
ClientSampleId :
HD-02-060724



Tgt Ion:330 Resp: 22489
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.8
141 30.9 23.2 34.8

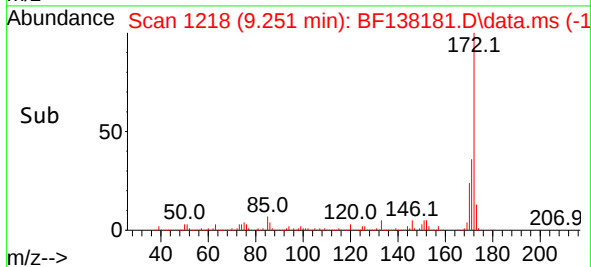
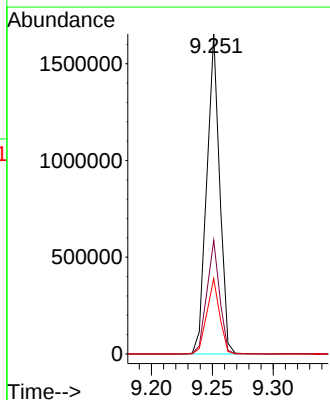
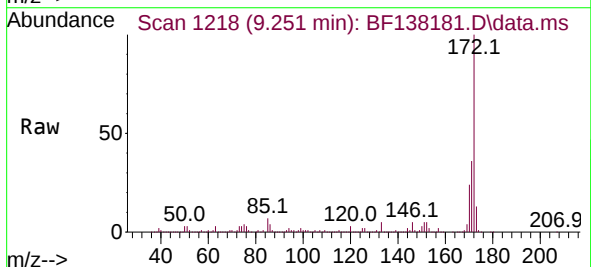
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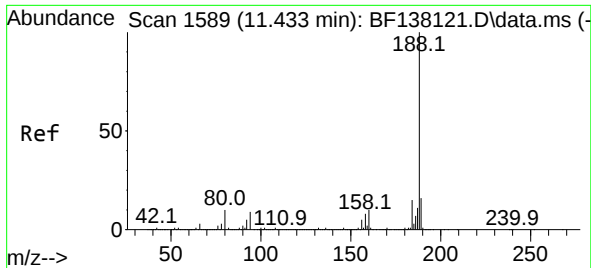
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#45
2-Fluorobiphenyl
Concen: 32.407 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

Tgt Ion:172 Resp: 1215579
Ion Ratio Lower Upper
172 100
171 35.6 31.6 47.4
170 23.6 21.4 32.2





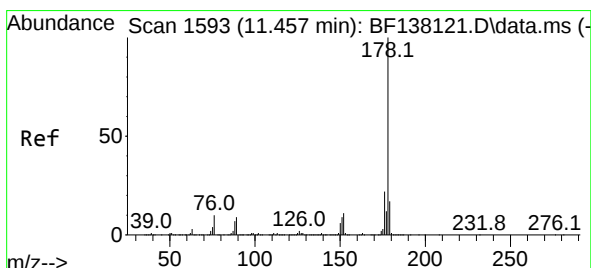
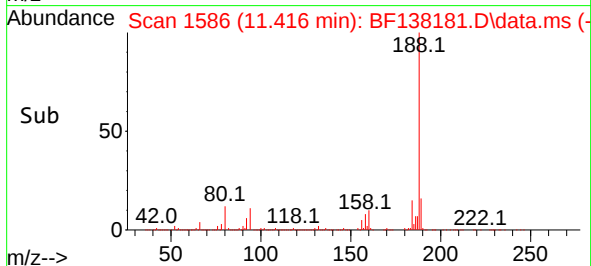
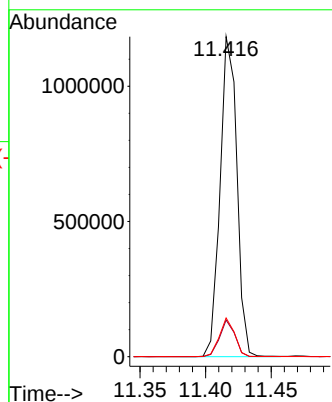
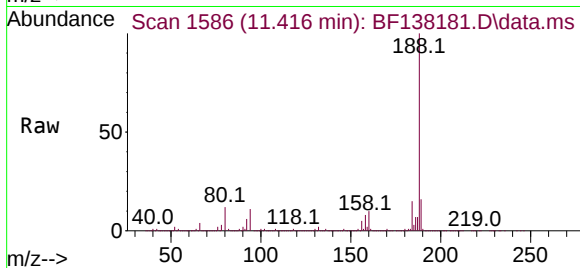
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1589
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Tgt Ion:188 Resp: 105238
Ion Ratio Lower Upper
188 100
94 11.5 7.4 11.2
80 12.1 7.7 11.5

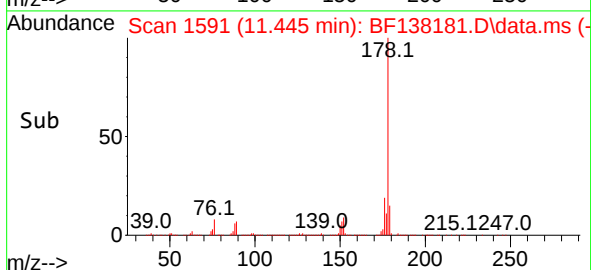
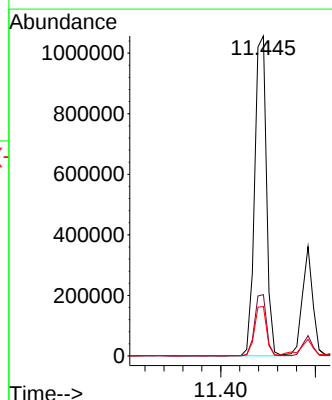
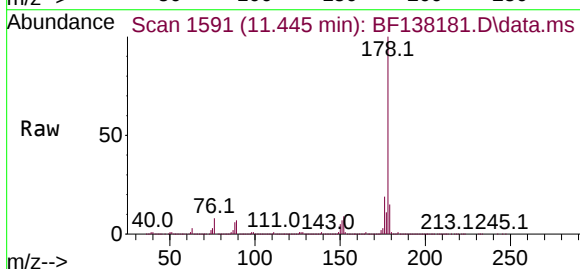
Manual Integrations
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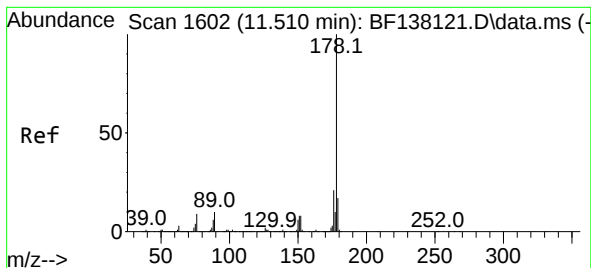
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#71
Phenanthrene
Concen: 18.136 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

Tgt Ion:178 Resp: 918786
Ion Ratio Lower Upper
178 100
176 19.1 17.2 25.8
179 15.4 13.6 20.4





#72

Anthracene

Concen: 5.318 ng

RT: 11.492 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

HD-02-060724

Tgt Ion:178 Resp: 268718

Ion Ratio Lower Upper

178 100

176 18.5 16.5 24.7

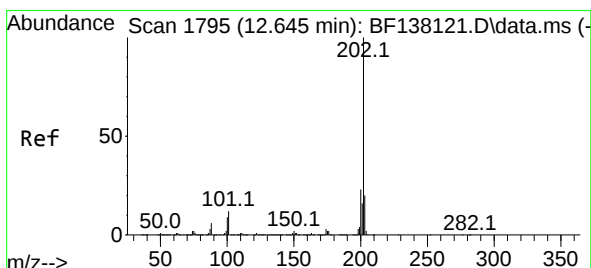
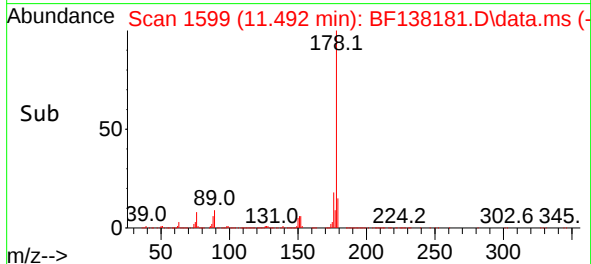
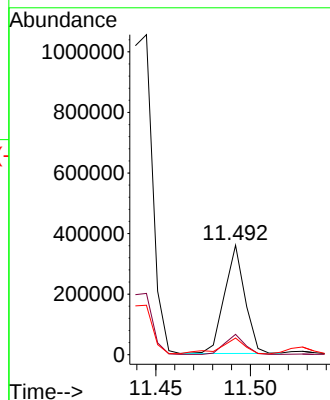
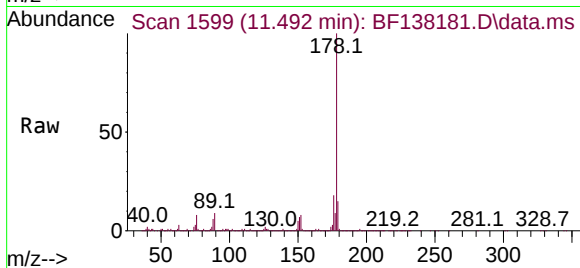
179 15.3 13.6 20.4

Manual Integrations

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#75

Fluoranthene

Concen: 28.333 ng

RT: 12.633 min Scan# 1793

Delta R.T. -0.012 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

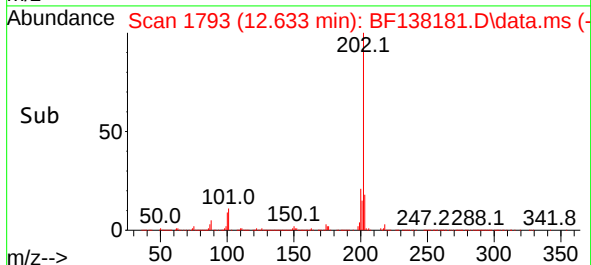
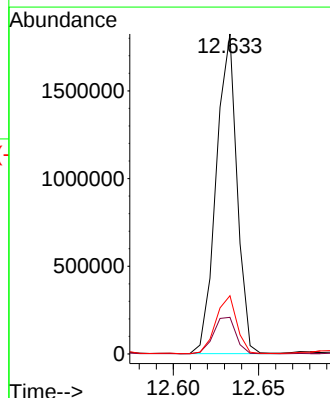
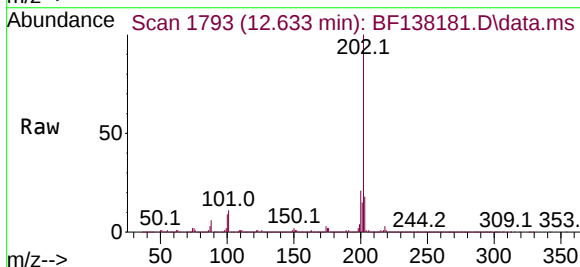
Tgt Ion:202 Resp: 1548780

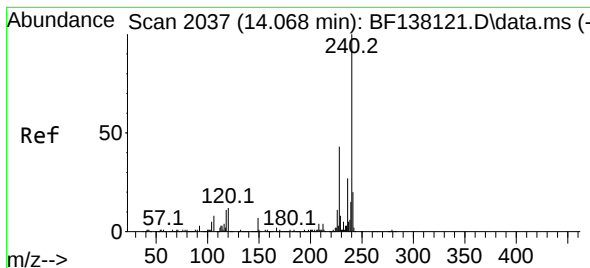
Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.2

203 18.2 0.0 39.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.011 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Instrument :

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ClientSampleId :

HD-02-060724

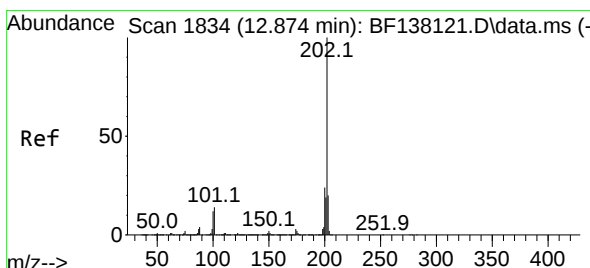
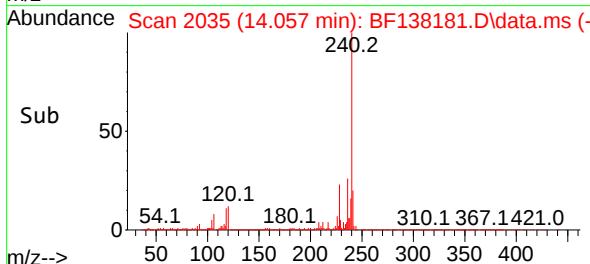
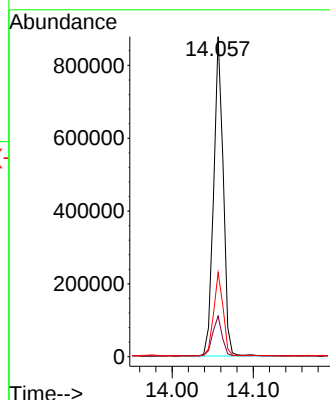
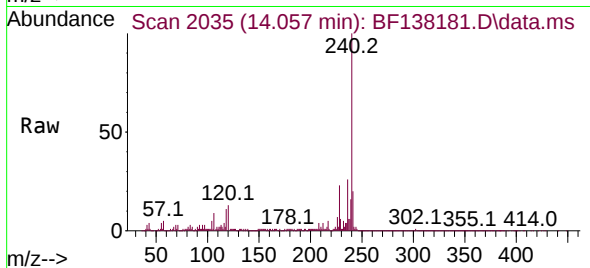
Tgt Ion:240 Resp: 71617

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	26.3	21.2	31.8

Manual Integrations

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#78

Pyrene

Concen: 28.583 ng

RT: 12.863 min Scan# 1832

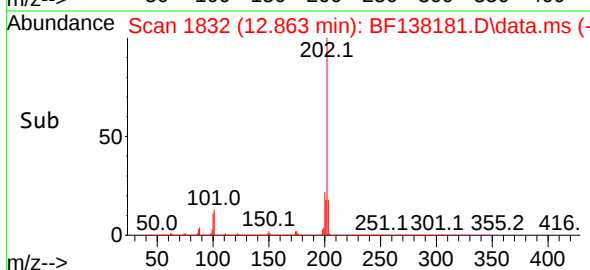
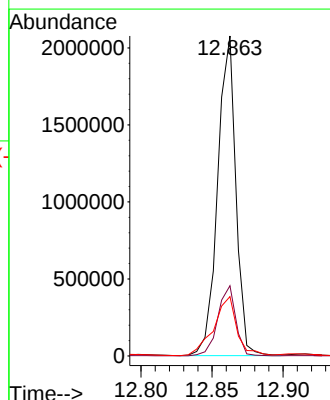
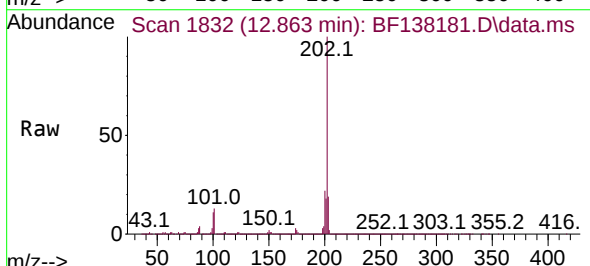
Delta R.T. -0.012 min

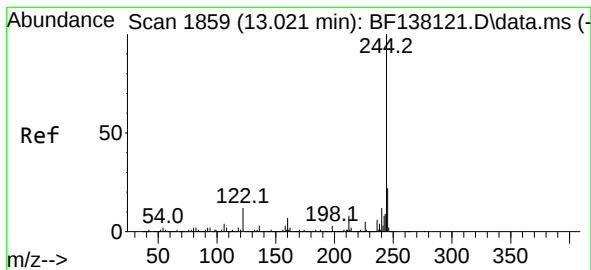
Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Tgt Ion:202 Resp: 1851284

Ion	Ratio	Lower	Upper
202	100		
200	22.0	19.1	28.7
203	18.5	15.6	23.4





#79

Terphenyl-d14

Concen: 24.153 ng

RT: 13.004 min Scan# 1856

Delta R.T. -0.018 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

HD-02-060724

Tgt Ion:244 Resp: 115646

Ion Ratio Lower Upper

244 100

212 6.4 6.4 9.6

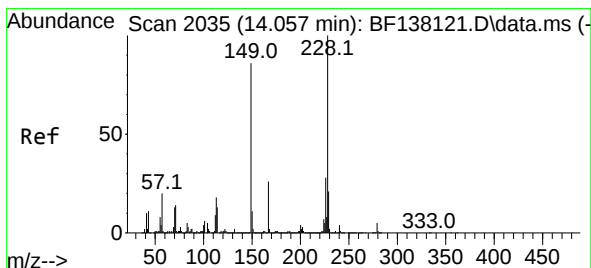
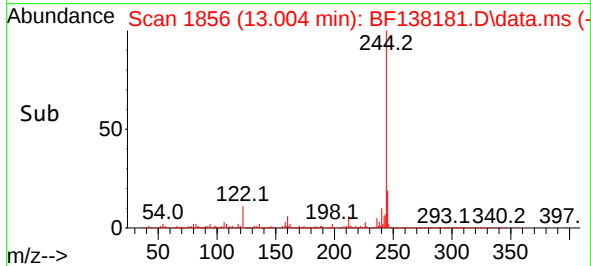
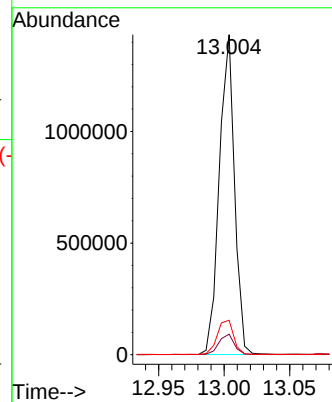
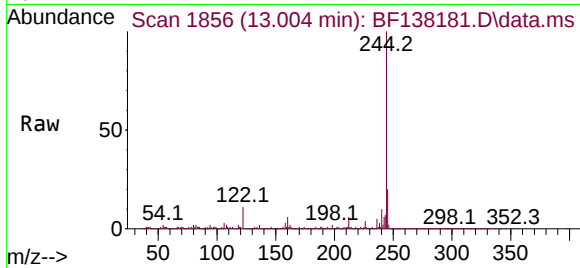
122 10.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024

Supervised By :mohammad ahmed 06/13/2024



#81

Benzo(a)anthracene

Concen: 16.487 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

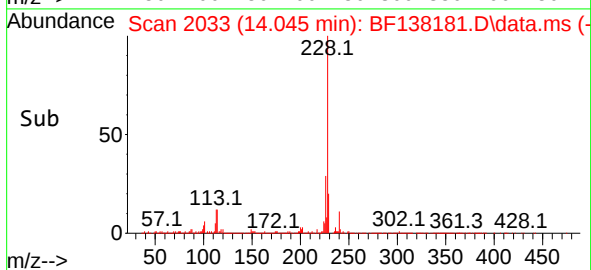
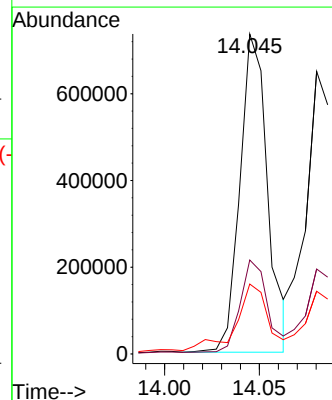
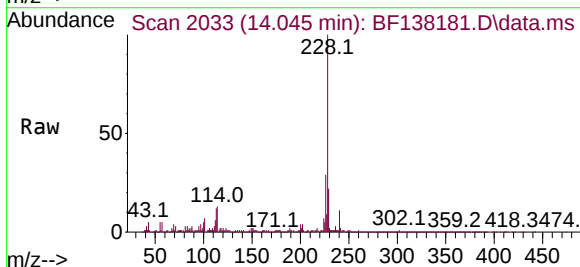
Tgt Ion:228 Resp: 744942

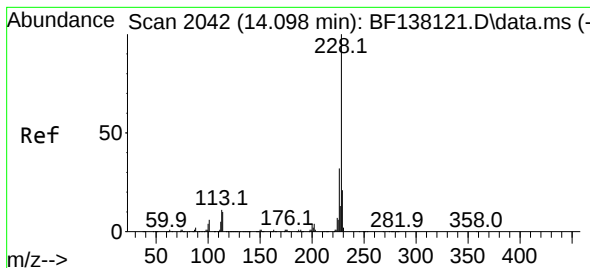
Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

229 21.9 16.7 25.1





#83

Chrysene

Concen: 14.900 ng

RT: 14.080 min Scan# 2042

Delta R.T. -0.018 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

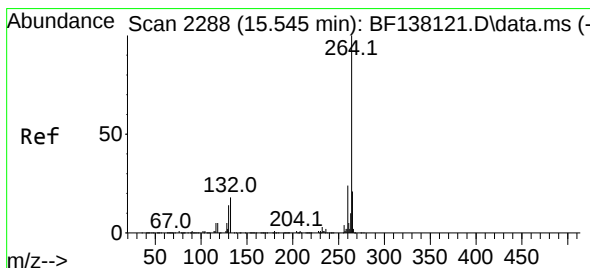
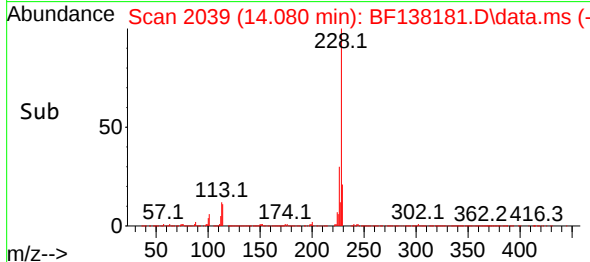
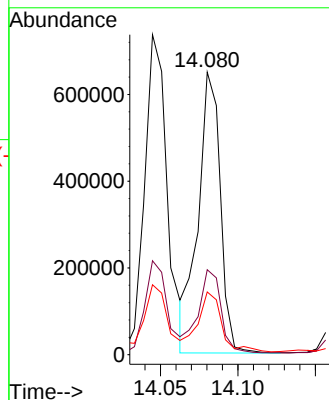
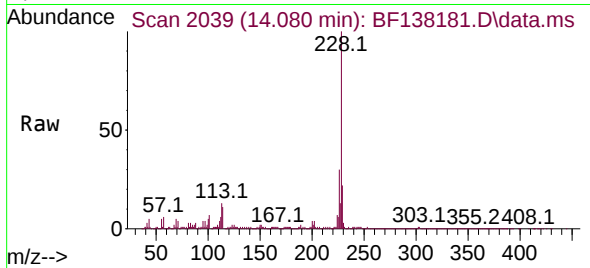
HD-02-060724

Tgt Ion:	228	Resp:	646100
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.6	38.4
229	22.2	16.6	25.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#86

Perylene-d12

Concen: 20.000 ng

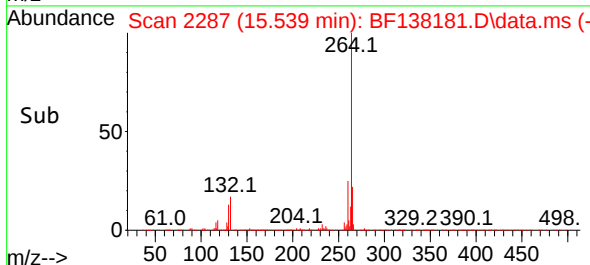
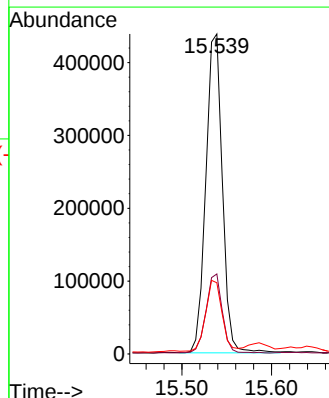
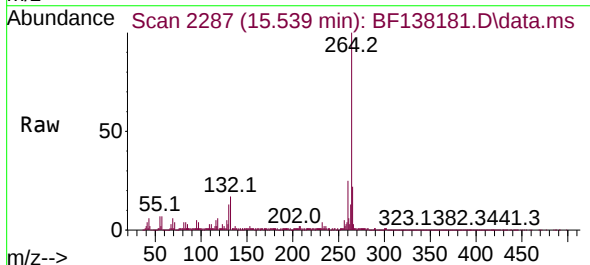
RT: 15.539 min Scan# 2287

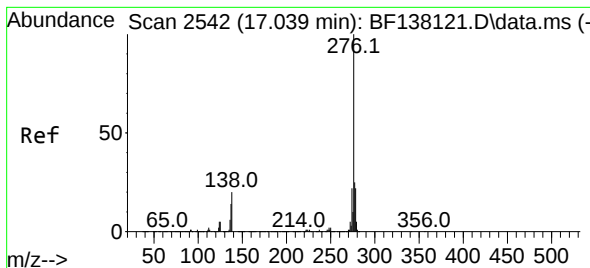
Delta R.T. -0.006 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Tgt Ion:	264	Resp:	559324
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.4	29.2
265	22.2	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.707 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

HD-02-060724

Tgt Ion:276 Resp: 20437

Ion Ratio Lower Upper

276 100

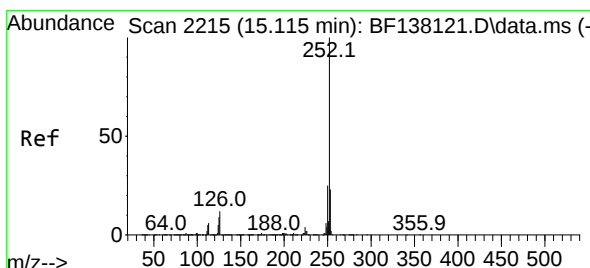
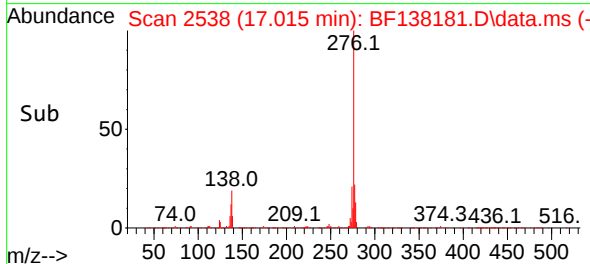
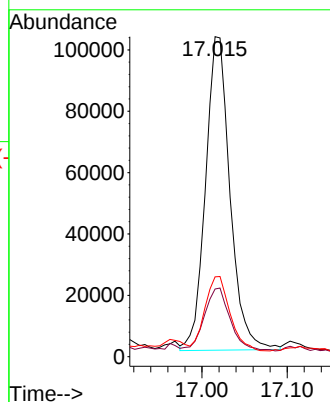
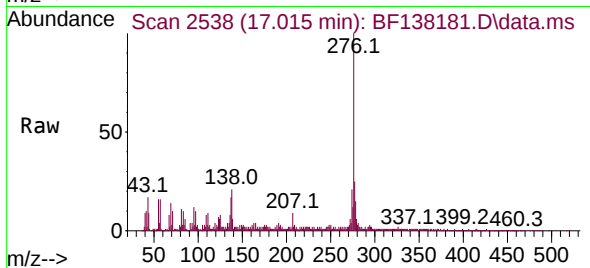
138 21.3 18.9 28.3

277 24.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#88

Benzo(b)fluoranthene

Concen: 15.814 ng m

RT: 15.104 min Scan# 2213

Delta R.T. -0.012 min

Lab File: BF138181.D

Acq: 10 Jun 2024 19:35

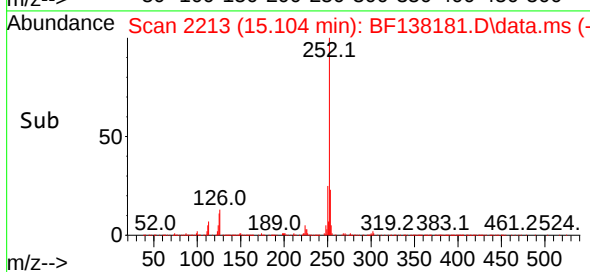
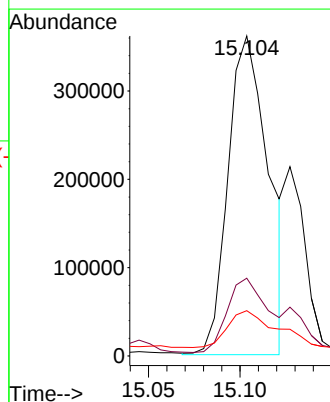
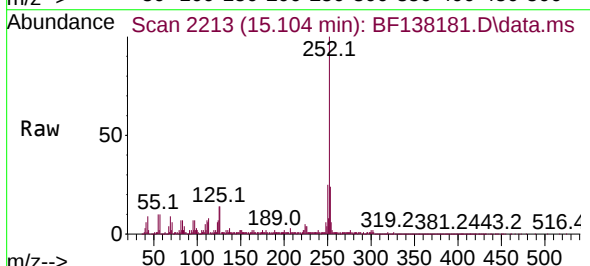
Tgt Ion:252 Resp: 556055

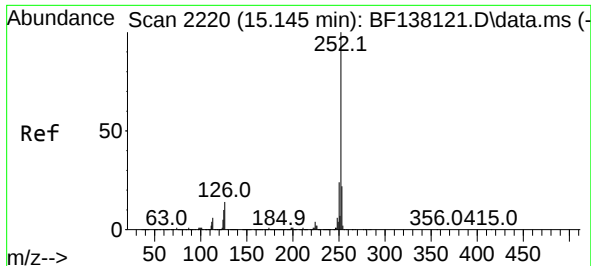
Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

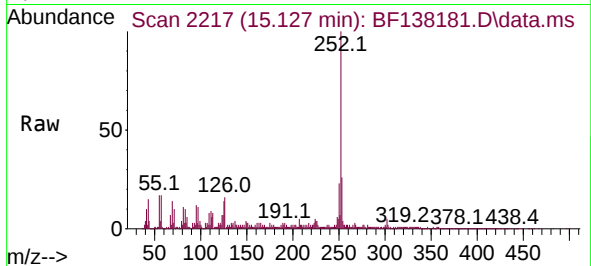
125 14.2 7.4 11.2#





#89
Benzo(k)fluoranthene
Concen: 5.121 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

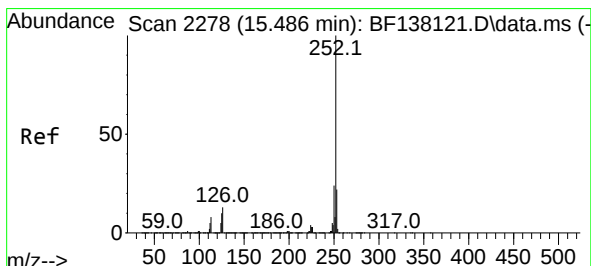
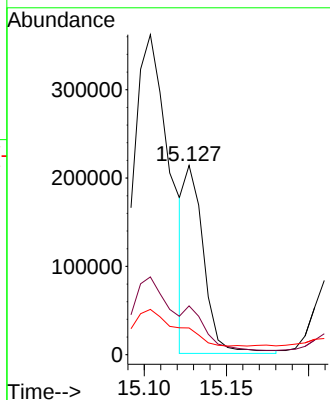
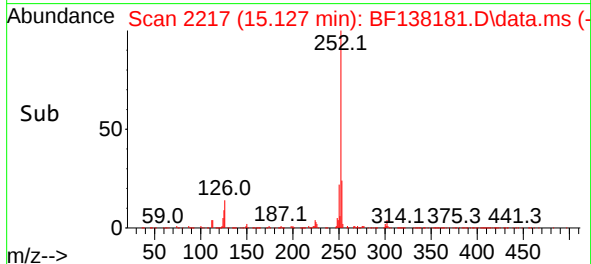
Instrument :
BNA_F
ClientSampleId :
HD-02-060724



Tgt Ion:252 Resp: 171724
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 14.1 7.8 11.6

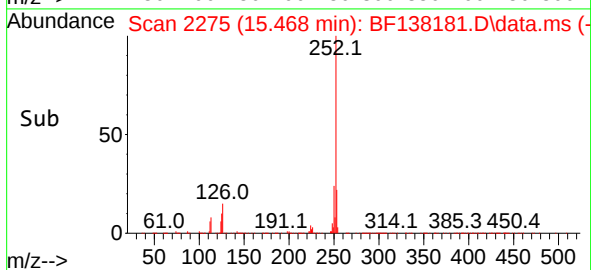
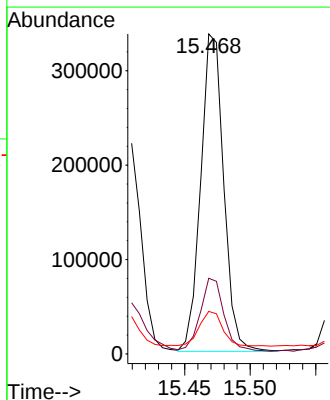
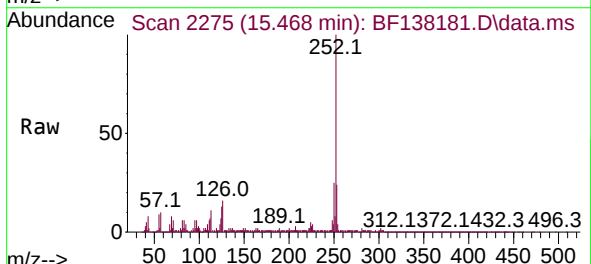
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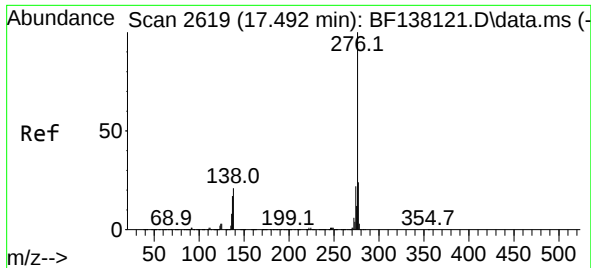
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



#90
Benzo(a)pyrene
Concen: 15.433 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.018 min
Lab File: BF138181.D
Acq: 10 Jun 2024 19:35

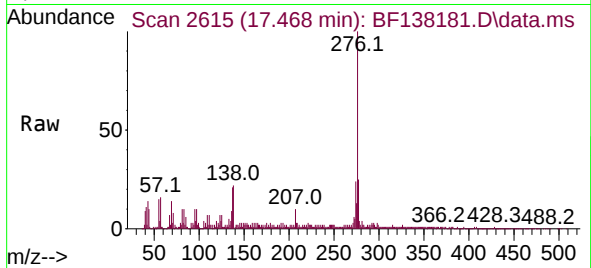
Tgt Ion:252 Resp: 410978
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.3 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 10.232 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF138181.D
 Acq: 10 Jun 2024 19:35

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-060724



Tgt Ion: 276 Resp: 195458

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	22.1	16.5	24.7

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

