

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138791.D
 Acq On : 05 Aug 2024 18:09
 Operator : RC/JU
 Sample : P3448-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 05 18:43:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	43835	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	155612	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	67811	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	102051	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	62074	20.000	ng	0.01
86) Perylene-d12	15.480	264	53133	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	295624	104.104	ng	0.01
7) Phenol-d6	6.487	99	379239	99.470	ng	0.00
23) Nitrobenzene-d5	7.410	82	235654	74.040	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	54208	97.591	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	347901	77.085	ng	0.00
79) Terphenyl-d14	12.957	244	269115	72.586	ng	0.01
Target Compounds						
71) Phenanthrene	11.392	178	55131	10.492	ng	# 89
75) Fluoranthene	12.586	202	62752	12.792	ng	95
78) Pyrene	12.816	202	63609m	10.884	ng	
81) Benzo(a)anthracene	14.004	228	23647	5.532	ng	# 78
83) Chrysene	14.039	228	27955m	7.249	ng	
88) Benzo(b)fluoranthene	15.051	252	19819m	6.017	ng	
89) Benzo(k)fluoranthene	15.068	252	7155m	2.509	ng	
90) Benzo(a)pyrene	15.416	252	12768	4.609	ng	# 74
92) Benzo(g,h,i)perylene	17.398	276	7079	2.183	ng	# 93

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

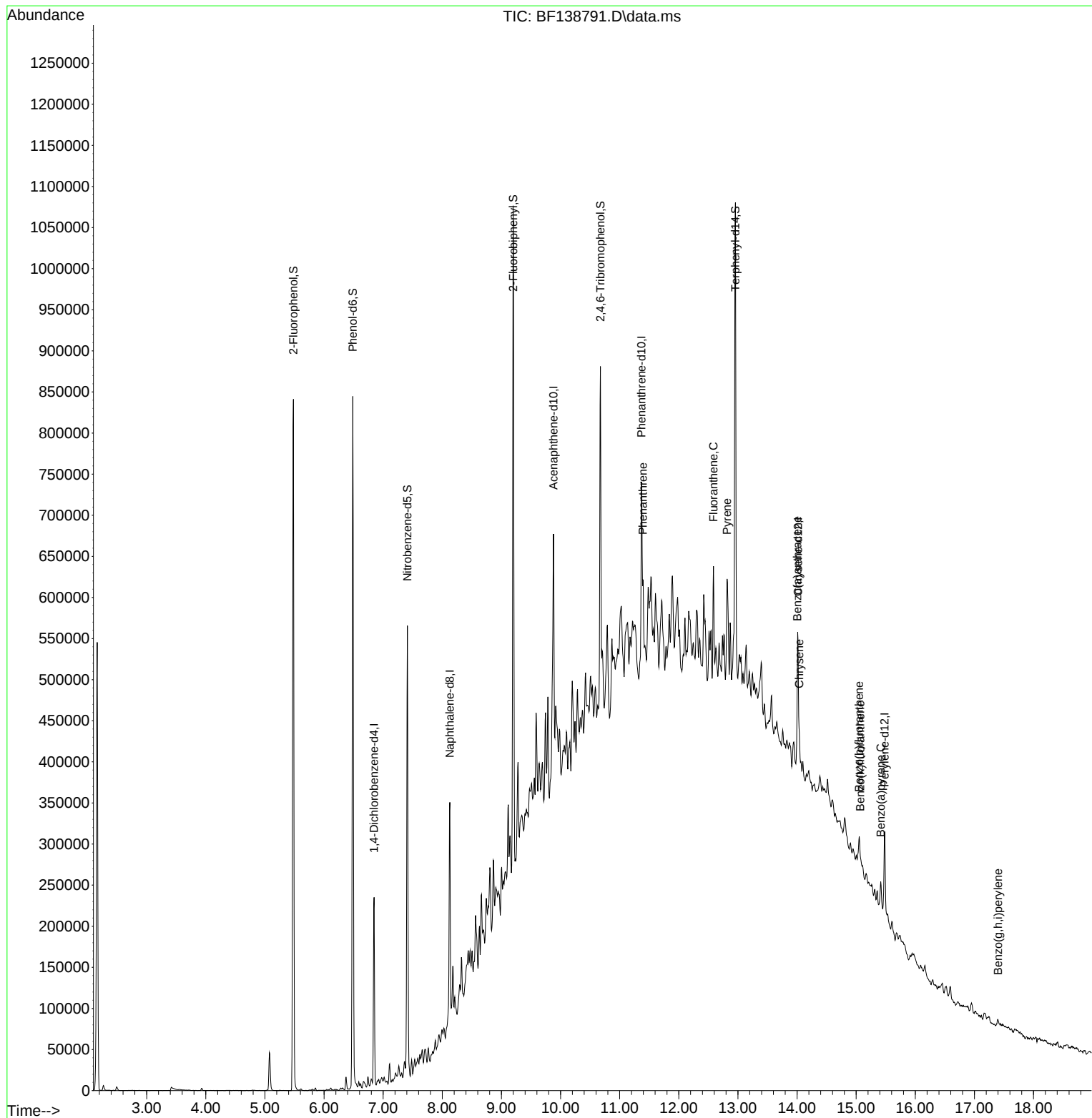
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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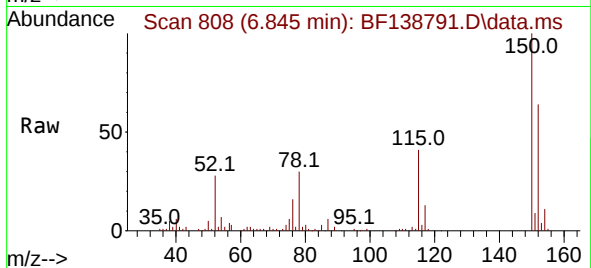
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

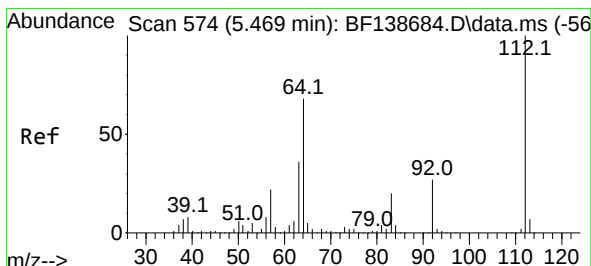
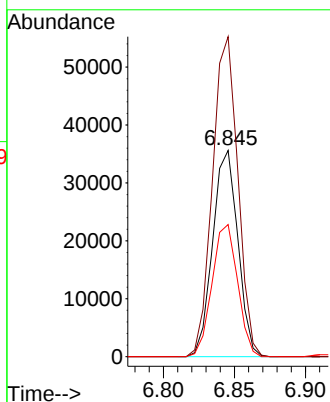
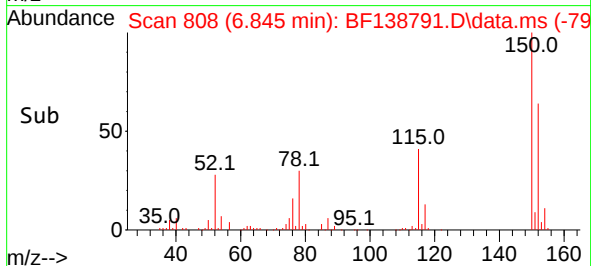
Instrument :
BNA_F
ClientSampleId :
TP5



Tgt Ion:152 Resp: 43835
Ion Ratio Lower Upper
152 100
150 155.1 126.0 189.0
115 64.1 51.7 77.5

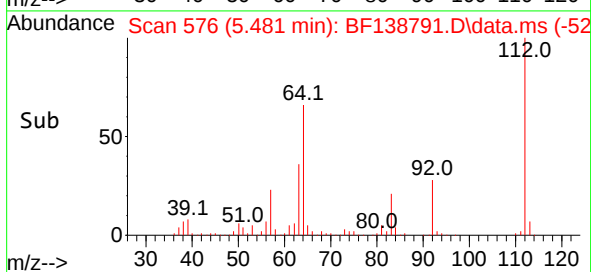
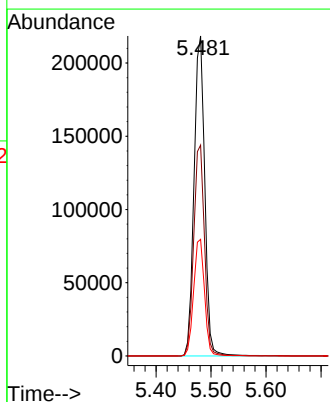
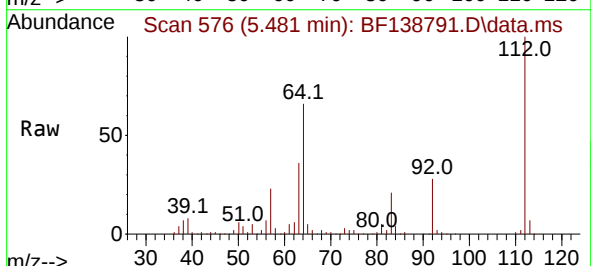
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#5
2-Fluorophenol
Concen: 104.104 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Tgt Ion:112 Resp: 295624
Ion Ratio Lower Upper
112 100
64 65.9 54.2 81.4
63 36.5 28.7 43.1





#7

Phenol-d6

Concen: 99.470 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138791.D

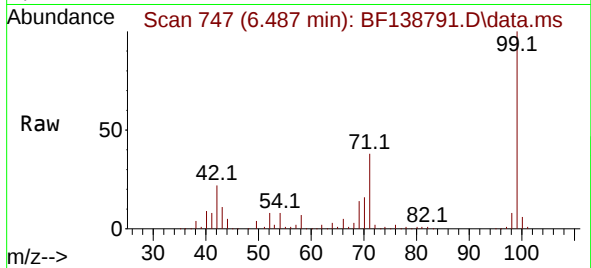
Acq: 05 Aug 2024 18:09

Instrument :

BNA_F

ClientSampleId :

TP5



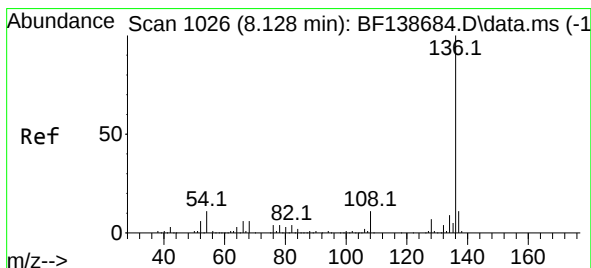
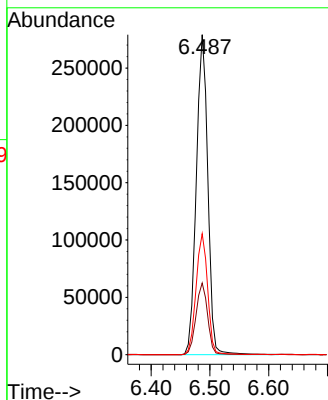
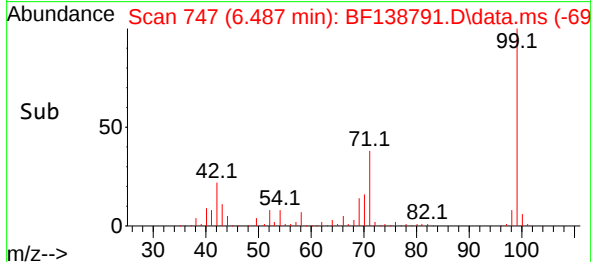
Tgt Ion: 99 Resp: 379239

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.4	26.0
71	37.8	28.1	42.1

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

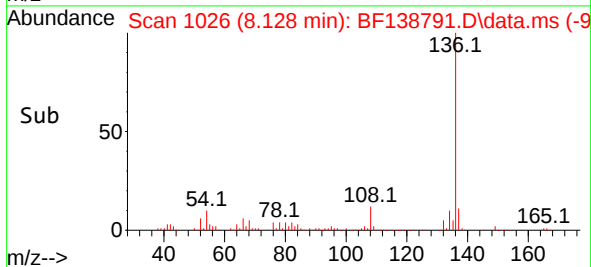
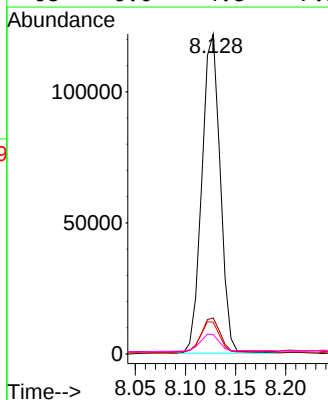
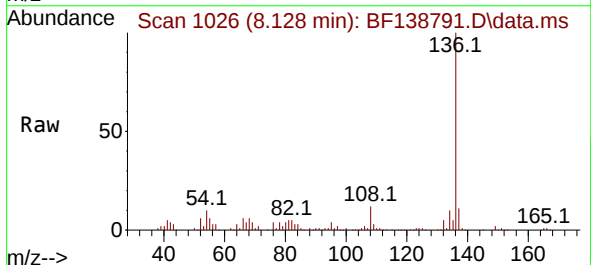
Delta R.T. -0.000 min

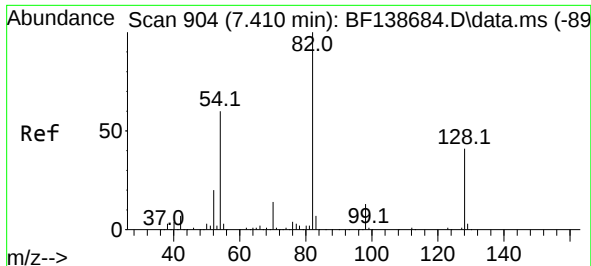
Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Tgt Ion:136 Resp: 155612

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.0	8.6	12.8
68	6.0	4.8	7.2





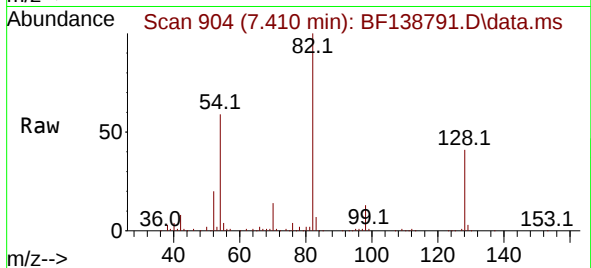
#23
Nitrobenzene-d5
Concen: 74.040 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Instrument :

BNA_F

ClientSampleId :

TP5

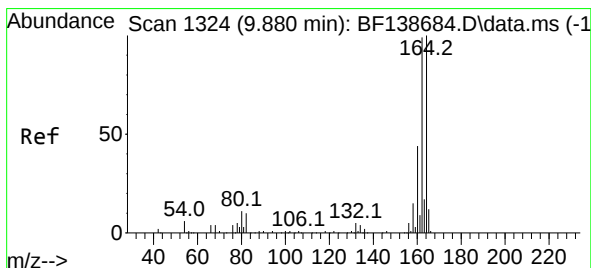
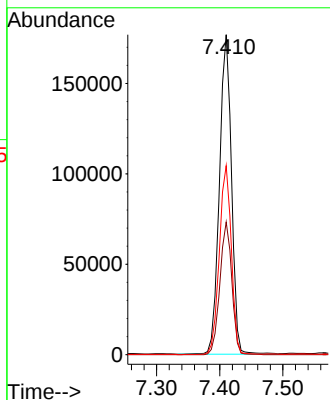
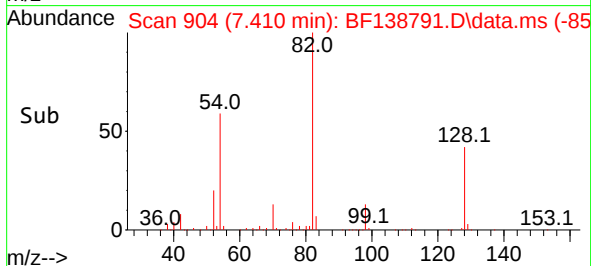


Tgt Ion: 82 Resp: 235654
Ion Ratio Lower Upper
82 100
128 41.5 32.8 49.2
54 59.0 48.3 72.5

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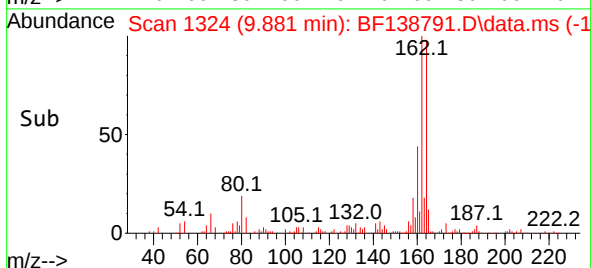
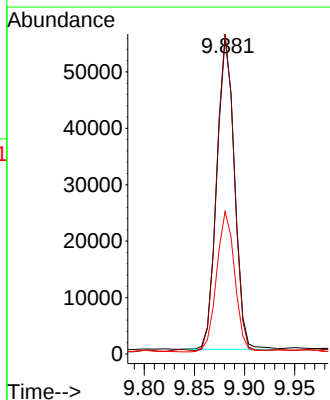
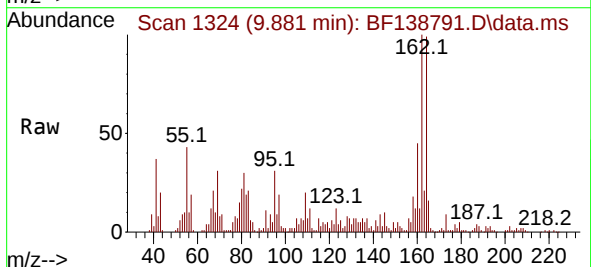
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Supervised By :mohammad ahmed 08/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

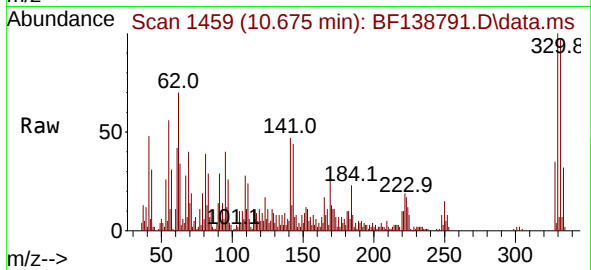
Tgt Ion:164 Resp: 67811
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 45.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 97.591 ng
RT: 10.675 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

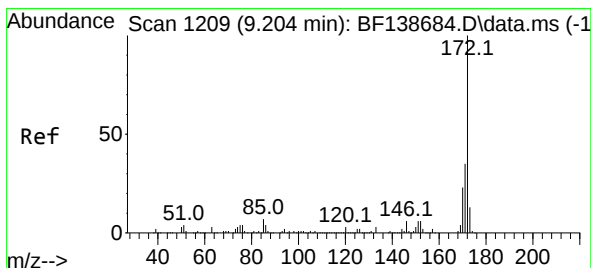
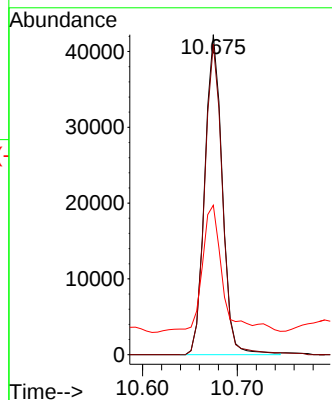
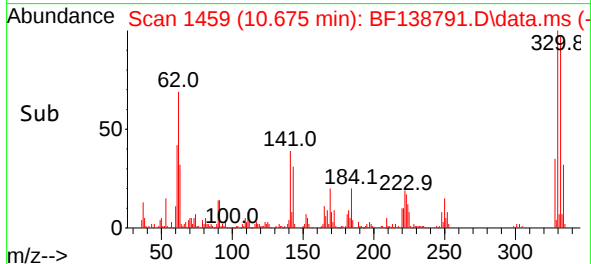
Instrument :
BNA_F
ClientSampleId :
TP5



Tgt Ion: 330 Resp: 54208
Ion Ratio Lower Upper
330 100
332 98.2 76.4 114.6
141 45.0 31.1 46.7

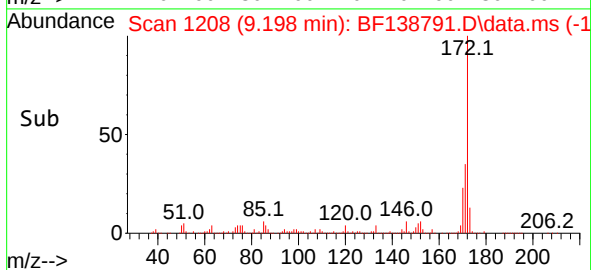
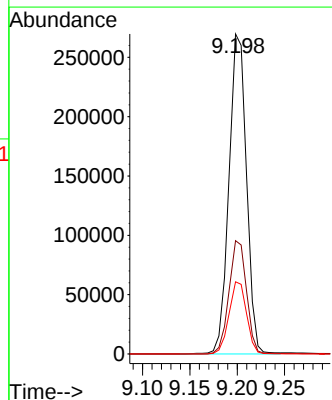
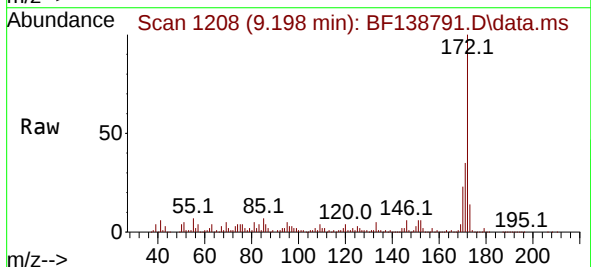
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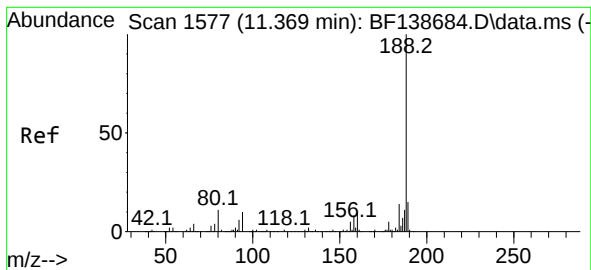
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Supervised By : mohammad ahmed 08/07/2024



#45
2-Fluorobiphenyl
Concen: 77.085 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Tgt Ion: 172 Resp: 347901
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 22.6 18.8 28.2





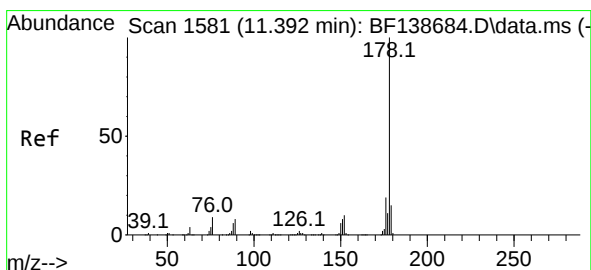
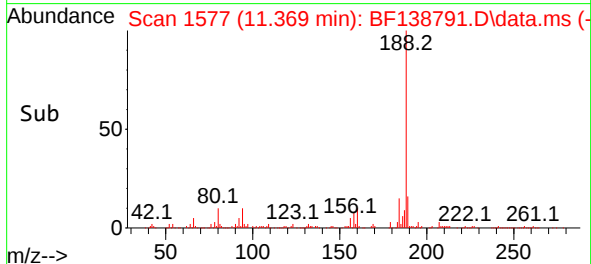
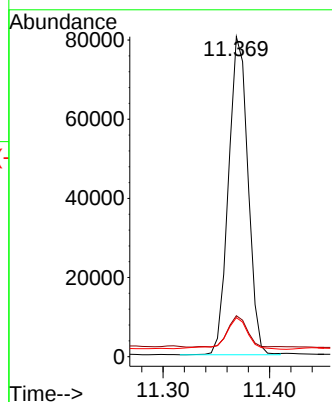
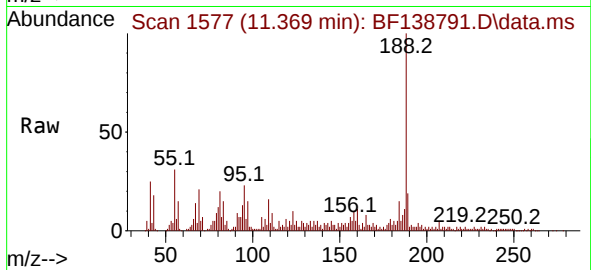
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Instrument :
BNA_F
ClientSampleId :
TP5

Tgt Ion:188 Resp: 10205
Ion Ratio Lower Upper
188 100
94 12.8 7.6 11.4
80 12.2 8.6 12.8

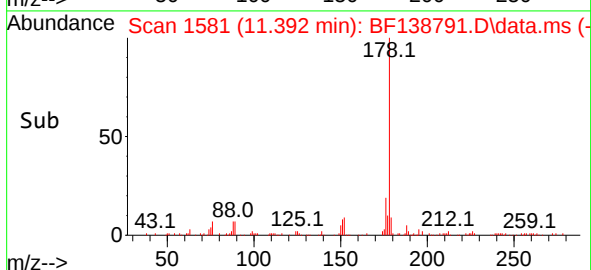
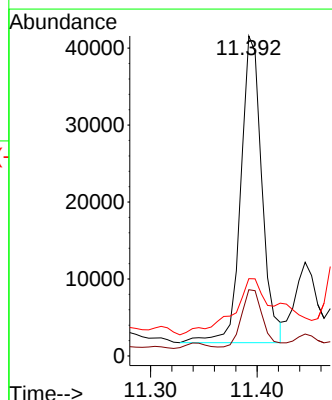
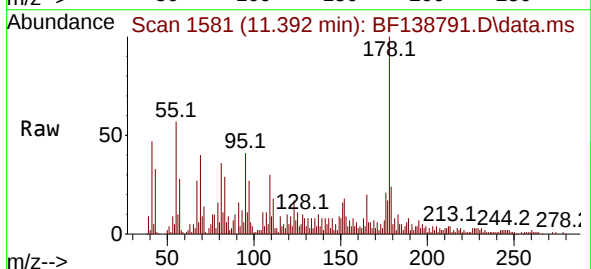
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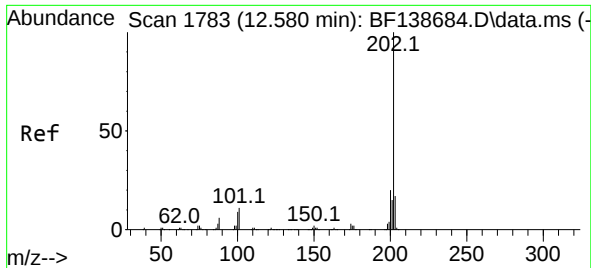
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#71
Phenanthrene
Concen: 10.492 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

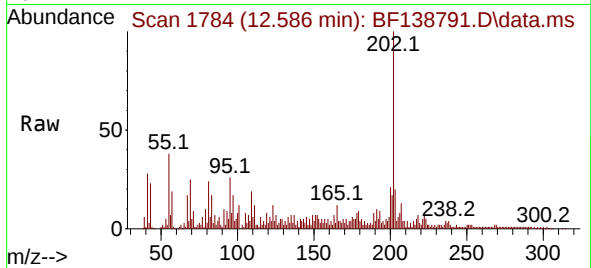
Tgt Ion:178 Resp: 55131
Ion Ratio Lower Upper
178 100
176 20.7 15.4 23.0
179 24.2 12.2 18.2#





#75
Fluoranthene
Concen: 12.792 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

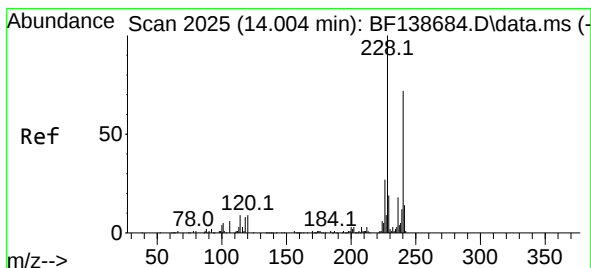
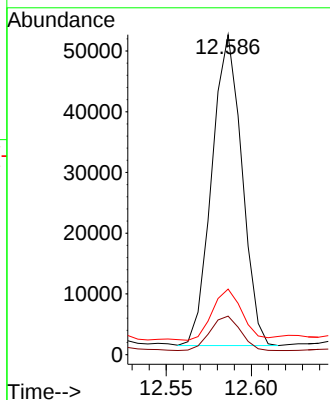
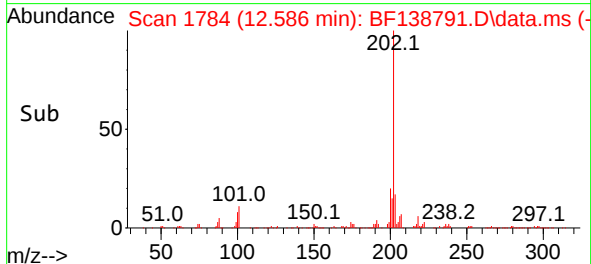
Instrument :
BNA_F
ClientSampleId :
TP5



Tgt Ion:202 Resp: 62752
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.2
203 20.5 0.0 37.3

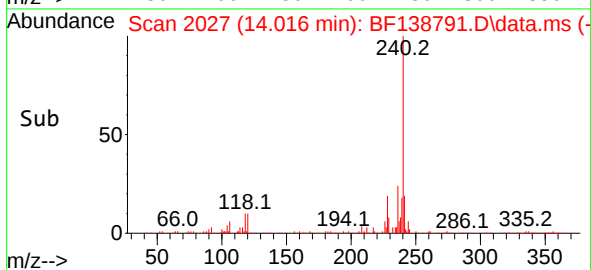
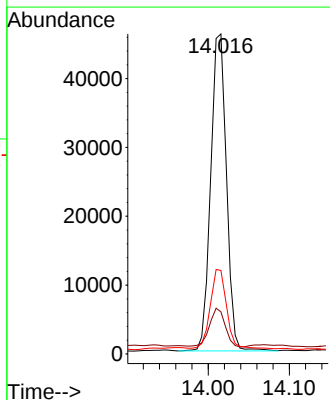
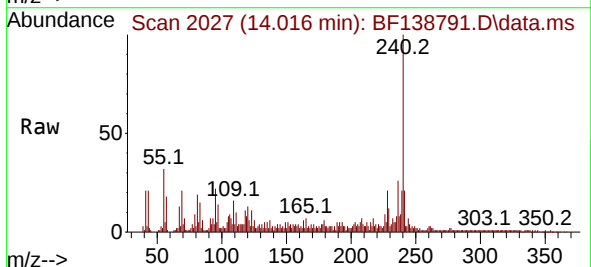
Manual Integrations
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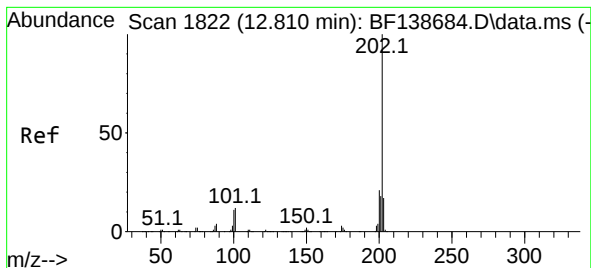
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.012 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Tgt Ion:240 Resp: 62074
Ion Ratio Lower Upper
240 100
120 13.2 10.2 15.4
236 26.1 19.8 29.8





#78

Pyrene

Concen: 10.884 ng m

RT: 12.816 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Instrument :

BNA_F

ClientSampleId :

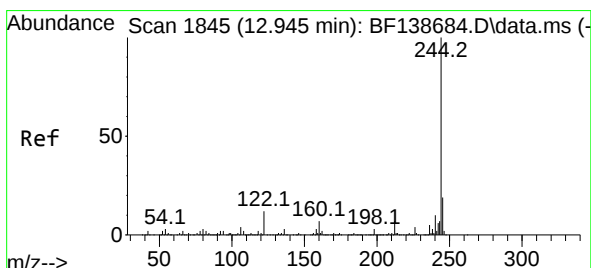
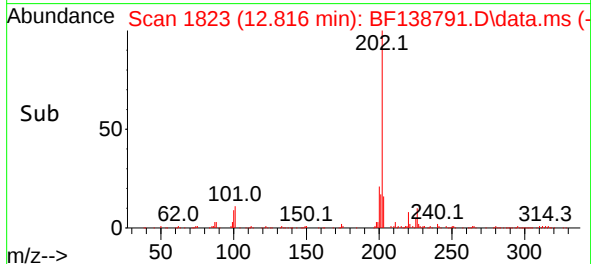
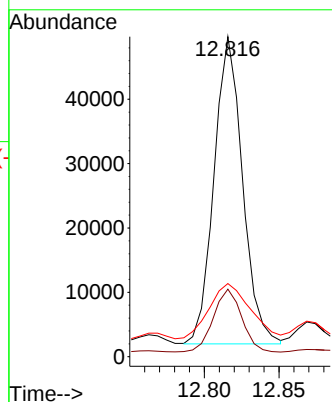
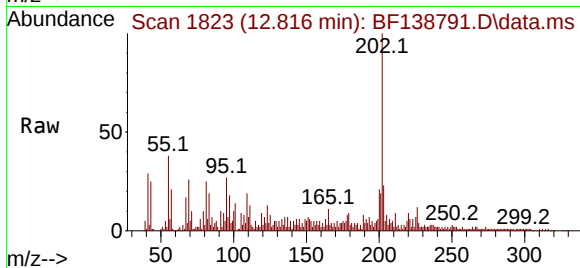
TP5

Tgt Ion:	202	Resp:	63609
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	22.8	13.8	20.6

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 08/07/2024



#79

Terphenyl-d14

Concen: 72.586 ng

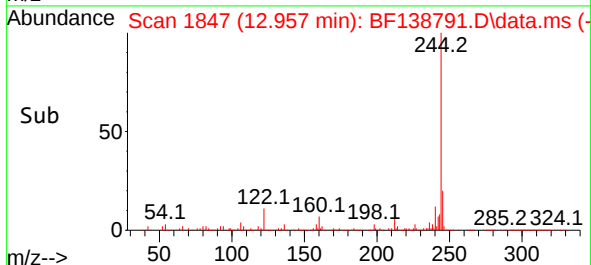
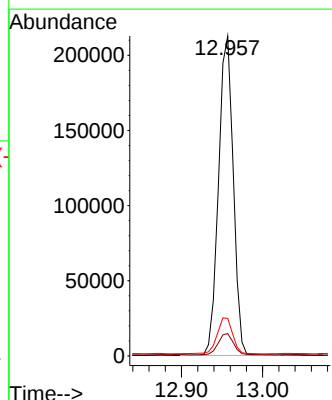
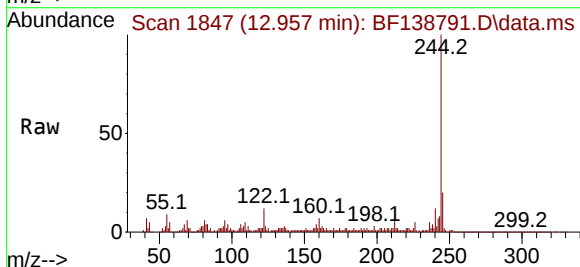
RT: 12.957 min Scan# 1847

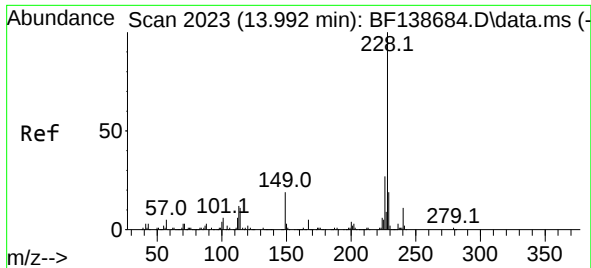
Delta R.T. 0.012 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Tgt Ion:	244	Resp:	269115
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	11.8	9.6	14.4





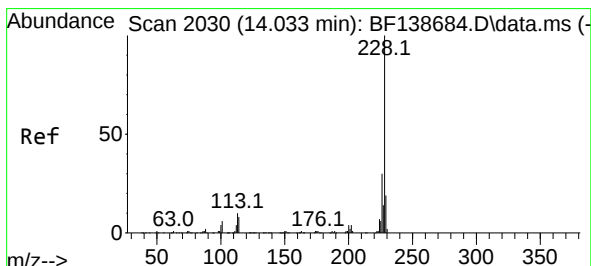
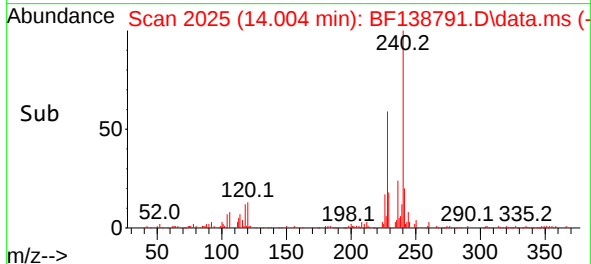
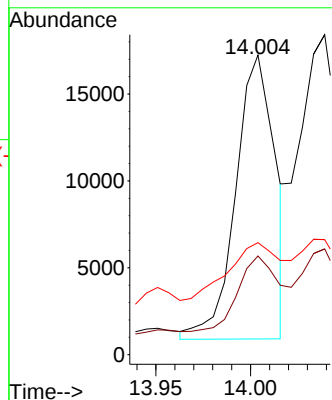
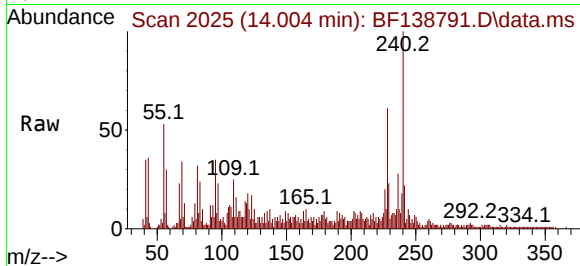
#81
Benzo(a)anthracene
Concen: 5.532 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Instrument :
BNA_F
ClientSampleId :
TP5

Tgt Ion:228 Resp: 2364
Ion Ratio Lower Upper
228 100
226 32.9 22.1 33.1
229 37.4 15.4 23.0

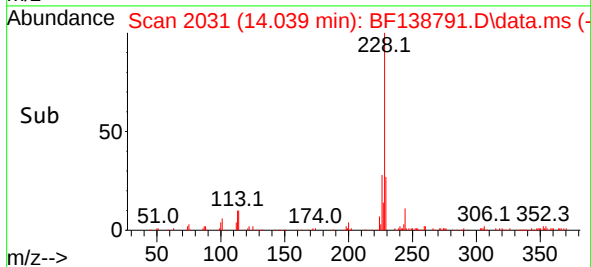
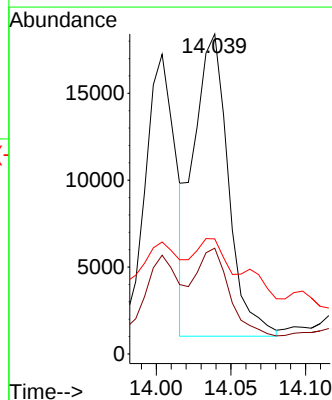
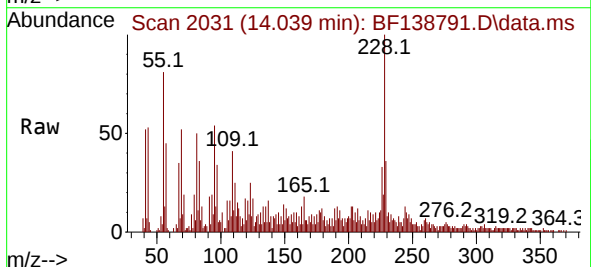
Manual Integrations
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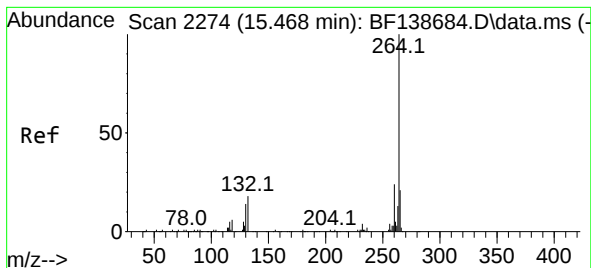
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#83
Chrysene
Concen: 7.249 ng m
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF138791.D
Acq: 05 Aug 2024 18:09

Tgt Ion:228 Resp: 27955
Ion Ratio Lower Upper
228 100
226 33.1 23.7 35.5
229 35.9 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Instrument :

BNA_F

ClientSampleId :

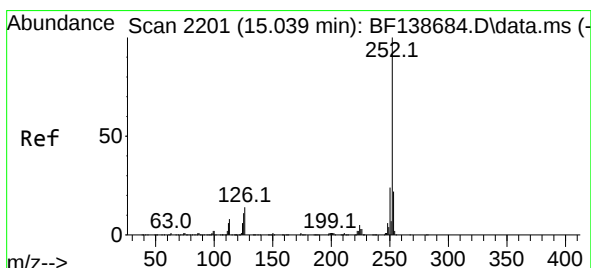
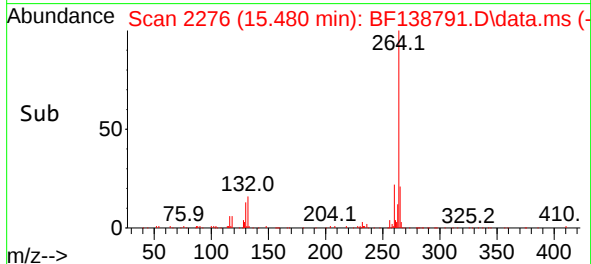
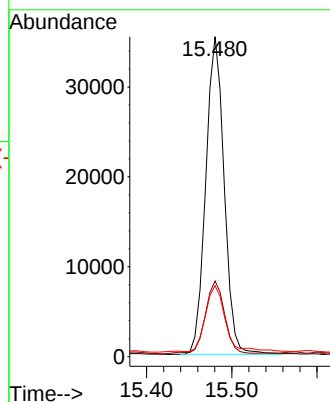
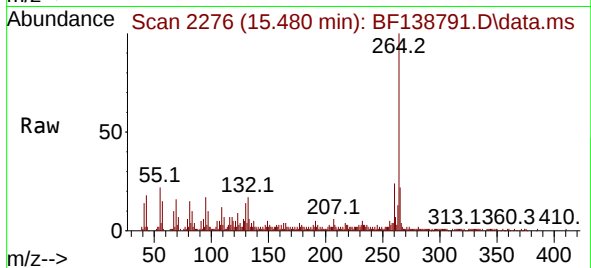
TP5

Tgt Ion:264	Resp:	5313
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.0 28.6
265	22.2	17.0 25.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#88

Benzo(b)fluoranthene

Concen: 6.017 ng m

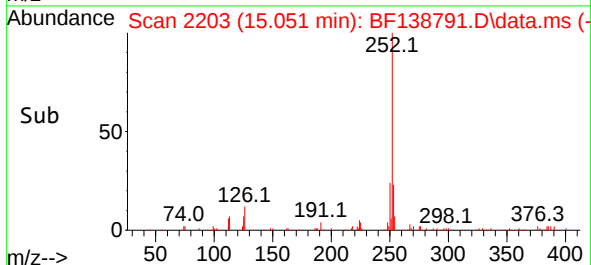
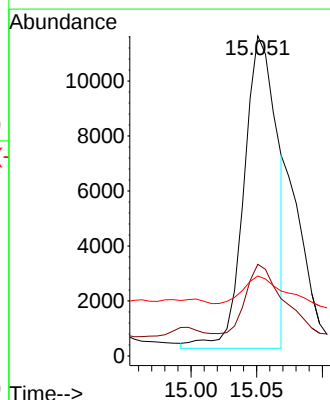
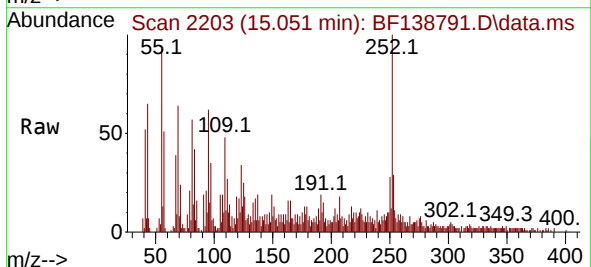
RT: 15.051 min Scan# 2203

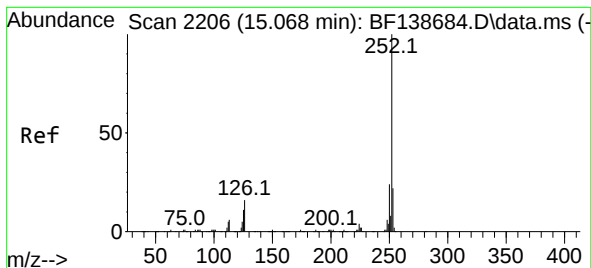
Delta R.T. 0.012 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Tgt Ion:252	Resp:	19819
Ion Ratio	Lower	Upper
252	100	
253	28.7	17.5 26.3#
125	25.0	8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.509 ng m

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

Instrument :

BNA_F

ClientSampleId :

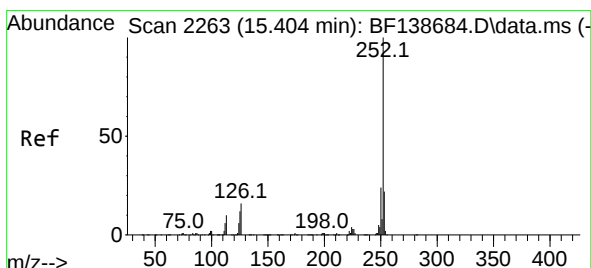
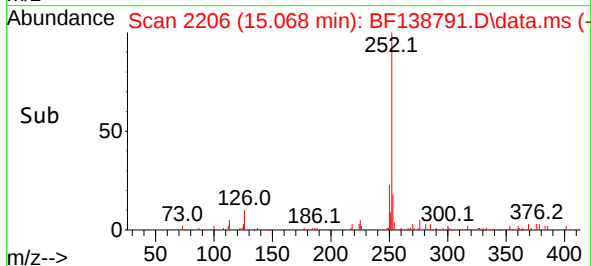
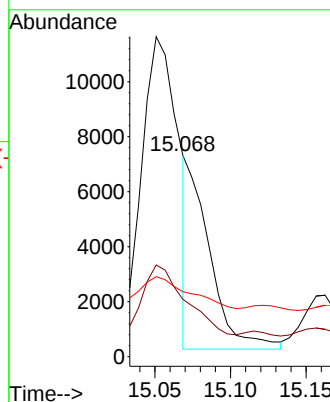
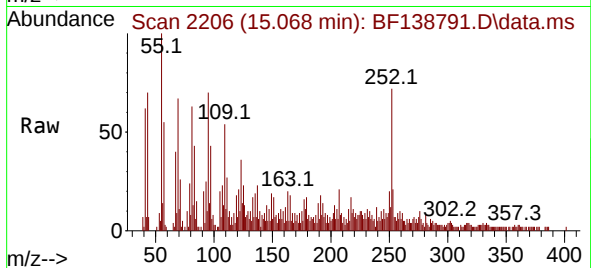
TP5

Tgt Ion:	252	Resp:	715
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.4	26.0
125	32.3	8.6	13.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90

Benzo(a)pyrene

Concen: 4.609 ng

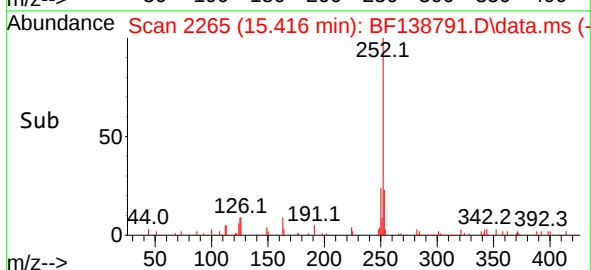
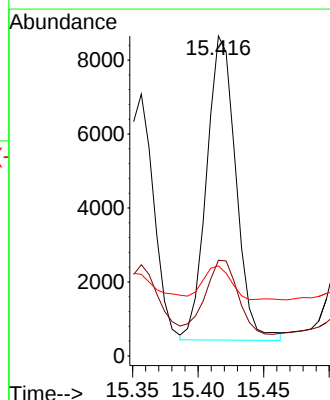
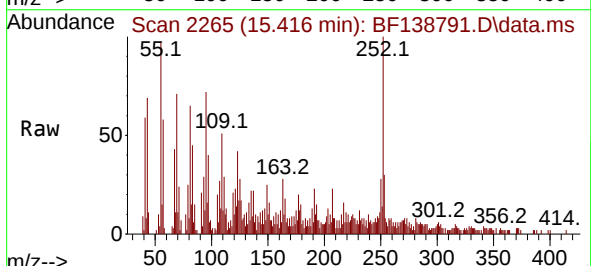
RT: 15.416 min Scan# 2265

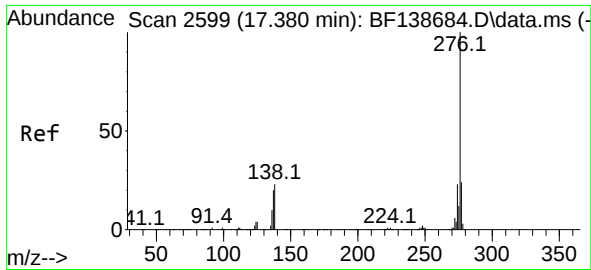
Delta R.T. 0.012 min

Lab File: BF138791.D

Acq: 05 Aug 2024 18:09

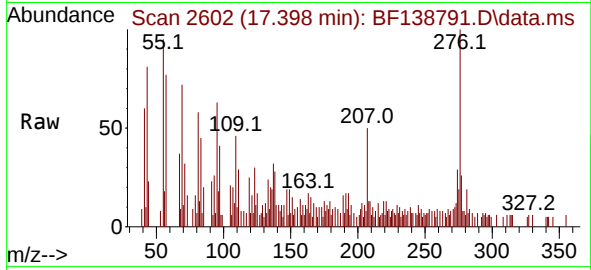
Tgt Ion:	252	Resp:	12768
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.3	25.9
125	28.2	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.183 ng
 RT: 17.398 min Scan# 2079
 Delta R.T. 0.018 min
 Lab File: BF138791.D
 Acq: 05 Aug 2024 18:09

Instrument :
 BNA_F
 ClientSampleId :
 TP5



Tgt Ion:	276	Resp:	7079
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.0	28.4
138	28.3	18.5	27.7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

