

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
 Data File : BF138768.D
 Acq On : 03 Aug 2024 14:09
 Operator : RC/JU
 Sample : P3448-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/05/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Aug 05 00:51:03 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	61913	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	248349	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	135068	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	212953	20.000	ng	0.00
76) Chrysene-d12	14.010	240	99884	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	127328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	361211	90.059	ng	0.01
7) Phenol-d6	6.487	99	499942	92.841	ng	0.00
23) Nitrobenzene-d5	7.410	82	304845	60.013	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	120727	109.118	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	575385	64.006	ng	0.00
79) Terphenyl-d14	12.951	244	505609	84.751	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	97497	8.891	ng	100
72) Anthracene	11.439	178	22068	2.043	ng	99
75) Fluoranthene	12.580	202	134543	13.143	ng	98
78) Pyrene	12.810	202	148454	15.786	ng	99
81) Benzo(a)anthracene	13.998	228	47814	6.952	ng	97
83) Chrysene	14.033	228	38950	6.277	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	29320	3.213	ng	# 91
88) Benzo(b)fluoranthene	15.045	252	49948m	6.328	ng	
89) Benzo(k)fluoranthene	15.062	252	15907m	2.328	ng	
90) Benzo(a)pyrene	15.409	252	42669	6.427	ng	99
92) Benzo(g,h,i)perylene	17.386	276	28428	3.657	ng	98

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

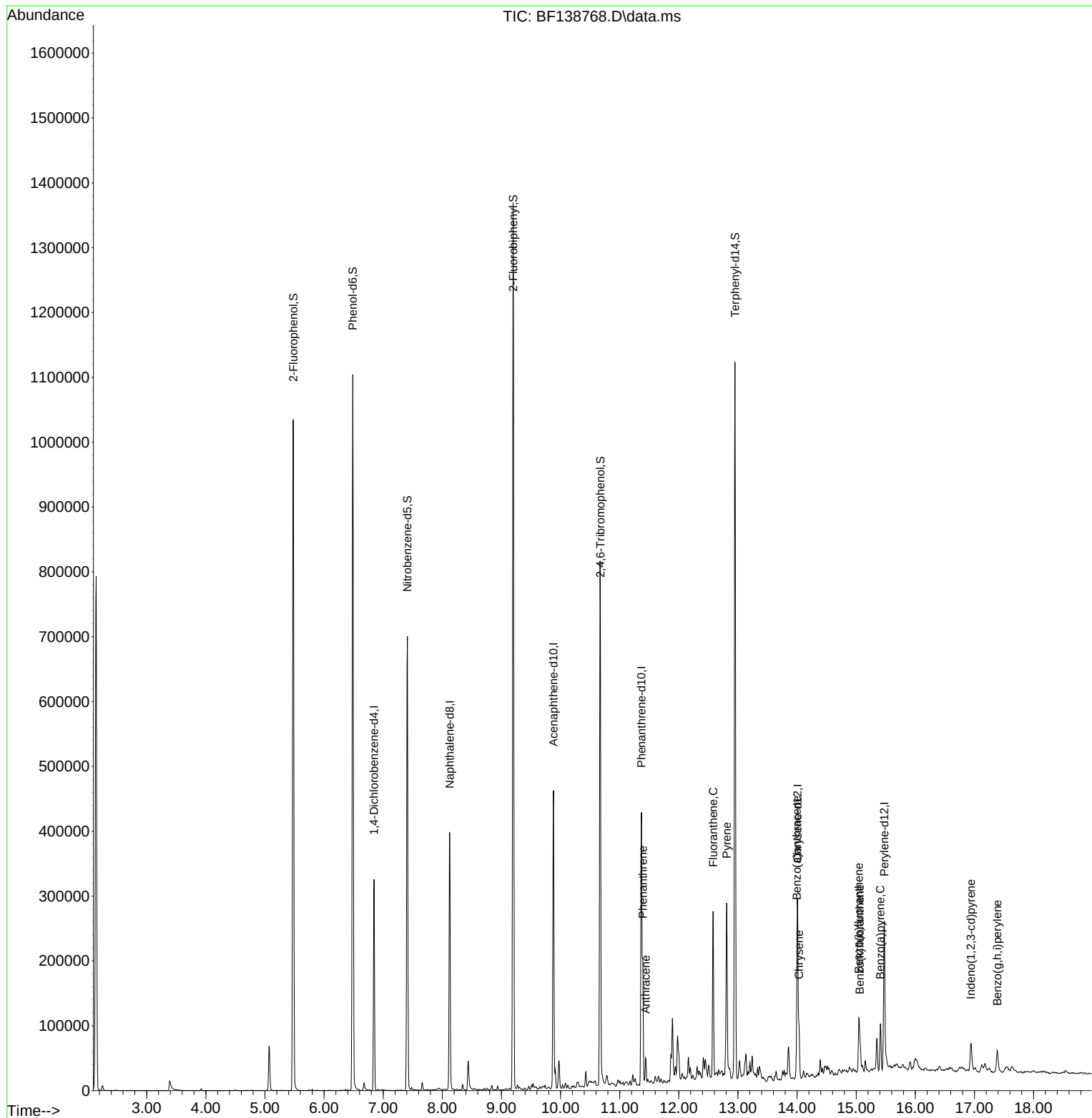
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
Data File : BF138768.D
Acq On : 03 Aug 2024 14:09
Operator : RC/JU
Sample : P3448-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

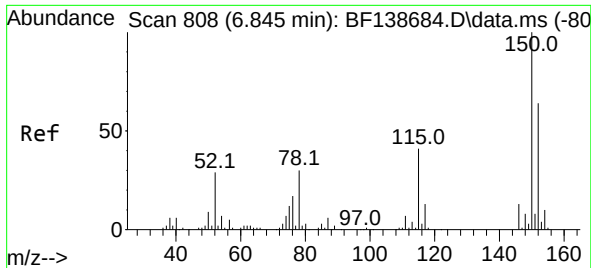
Instrument :
BNA_F
ClientSampleId :
TP4

Quant Time: Aug 05 00:51:03 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

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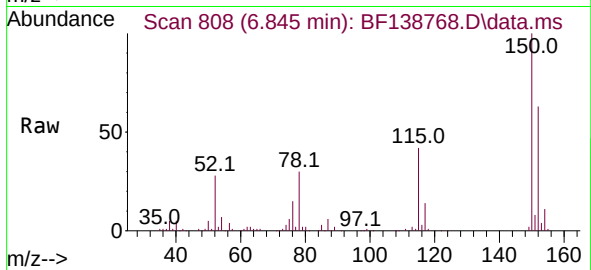
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

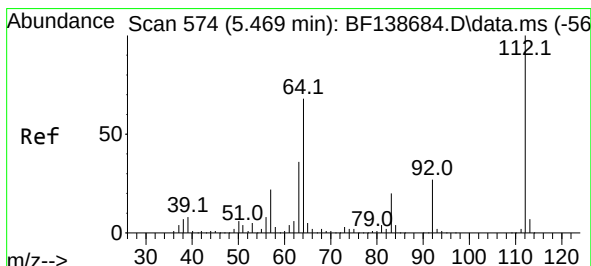
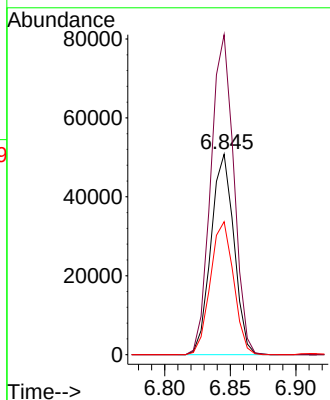
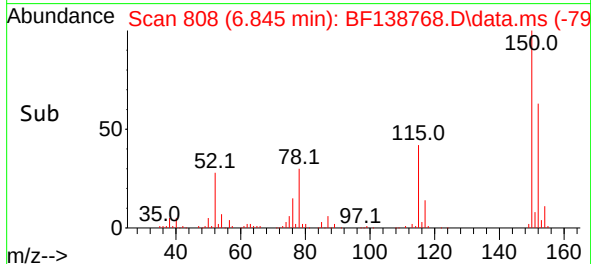
Instrument :
BNA_F
ClientSampleId :
TP4



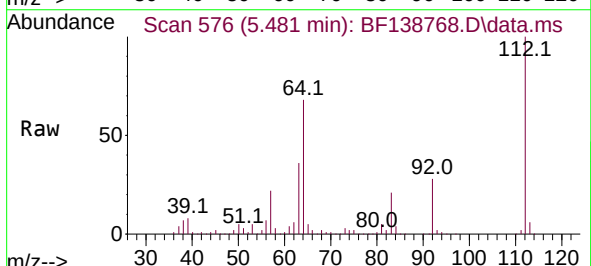
Tgt Ion:152 Resp: 61911
Ion Ratio Lower Upper
152 100
150 159.6 126.0 189.0
115 66.3 51.7 77.5

Manual Integrations
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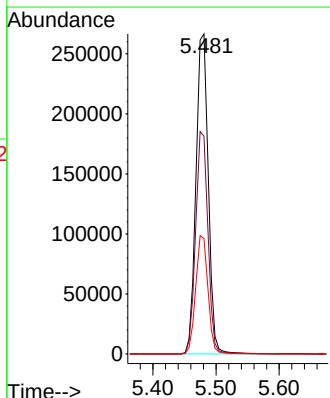
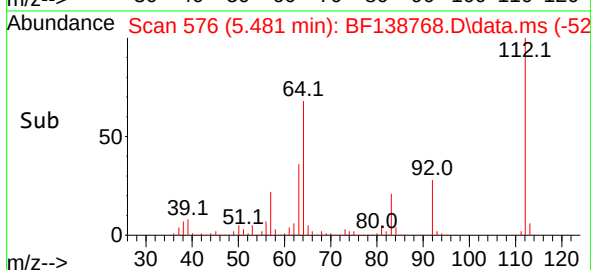
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

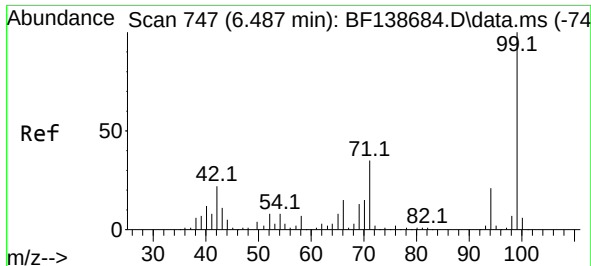


#5
2-Fluorophenol
Concen: 90.059 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09



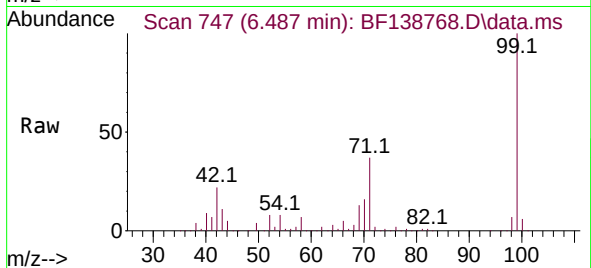
Tgt Ion:112 Resp: 361211
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 36.1 28.7 43.1





#7
Phenol-d6
Concen: 92.841 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

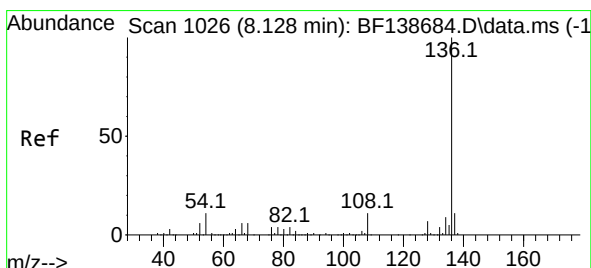
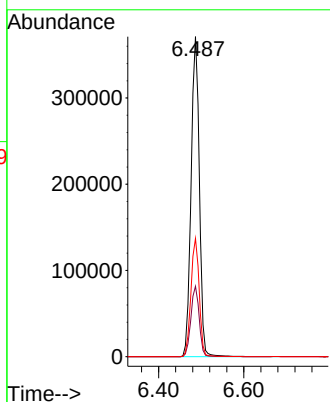
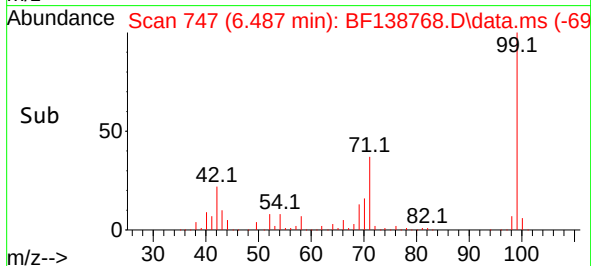
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion: 99 Resp: 49994
Ion Ratio Lower Upper
99 100
42 22.0 17.4 26.0
71 37.0 28.1 42.1

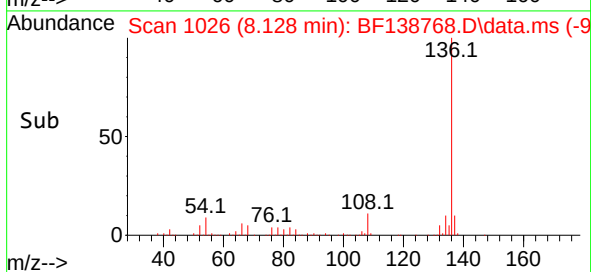
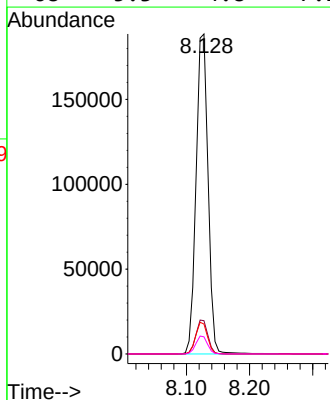
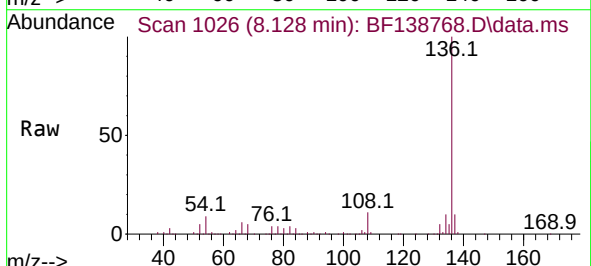
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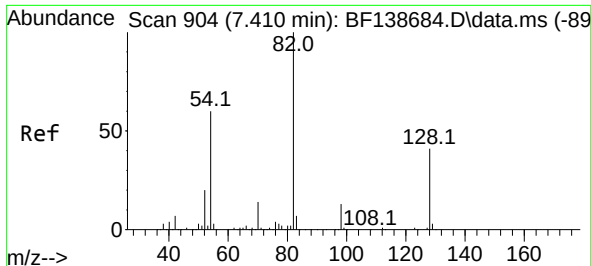
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion:136 Resp: 248349
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 9.3 8.6 12.8
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 60.013 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

Tgt Ion: 82 Resp: 30484

Ion Ratio Lower Upper

82 100

128 42.6 32.8 49.2

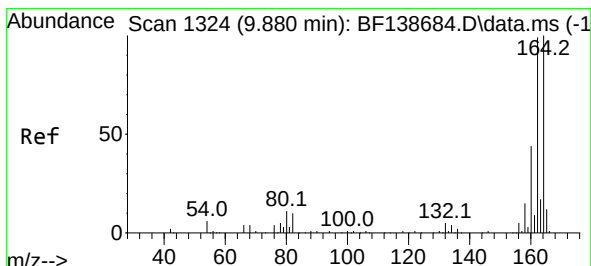
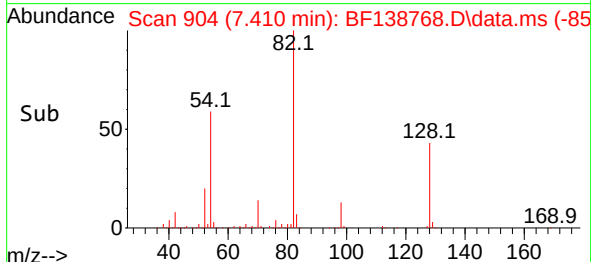
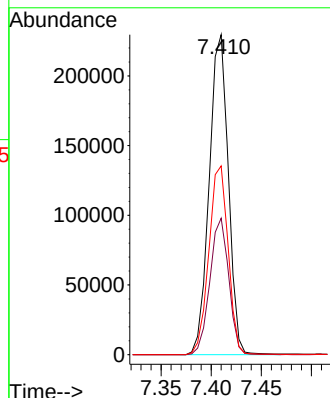
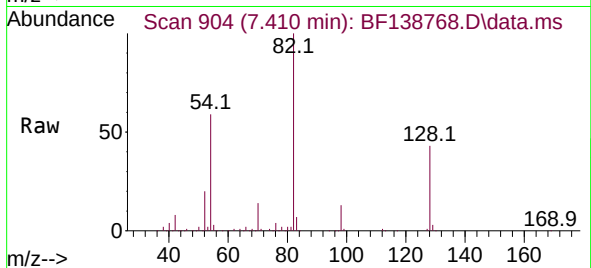
54 59.0 48.3 72.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

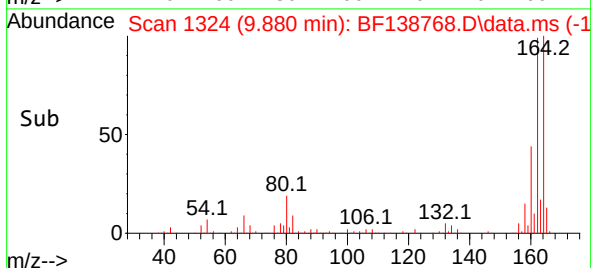
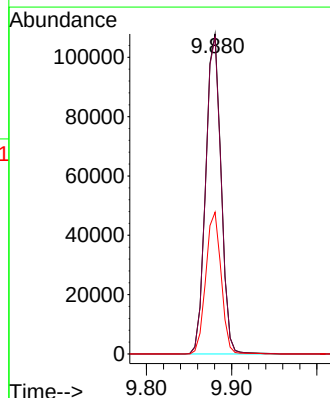
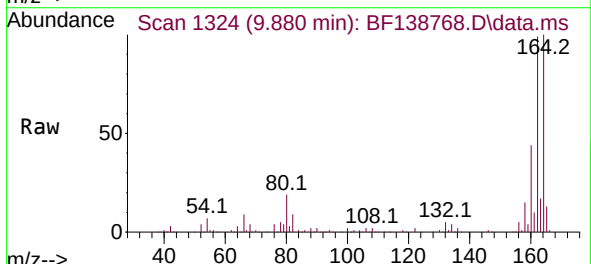
Tgt Ion:164 Resp: 135068

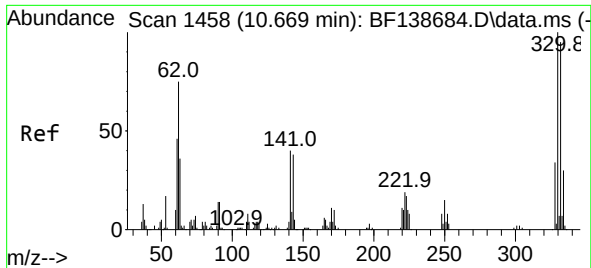
Ion Ratio Lower Upper

164 100

162 99.0 79.4 119.0

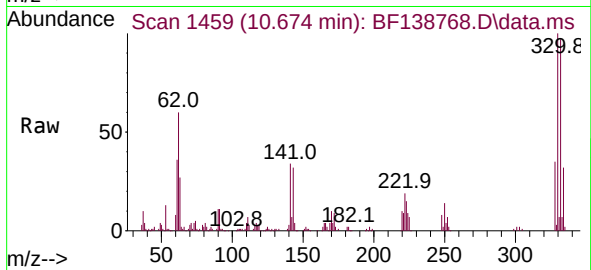
160 44.3 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 109.118 ng
RT: 10.674 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

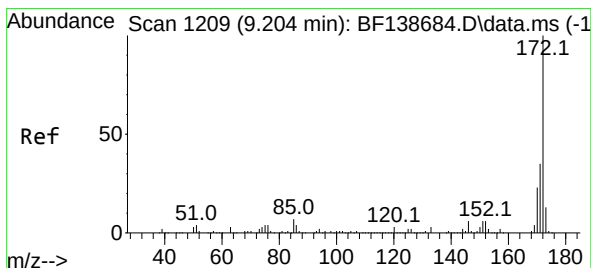
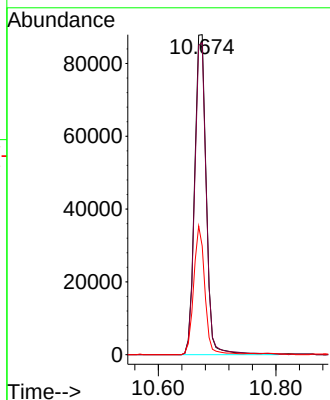
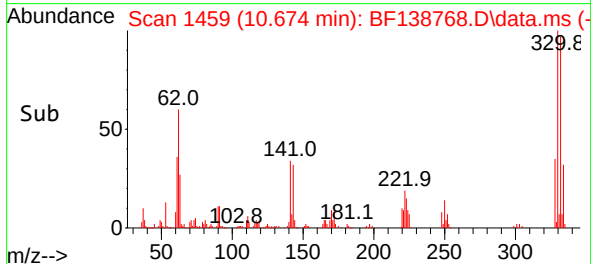
Instrument :
BNA_F
ClientSampleId :
TP4



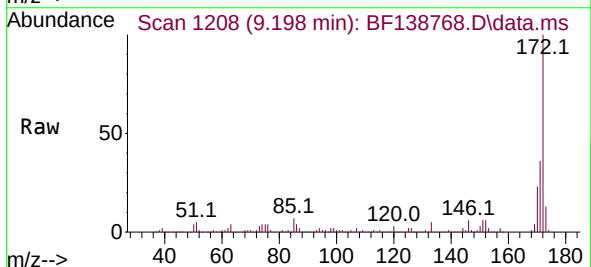
Tgt Ion:330 Resp: 12072
Ion Ratio Lower Upper
330 100
332 97.6 76.4 114.6
141 38.6 31.1 46.7

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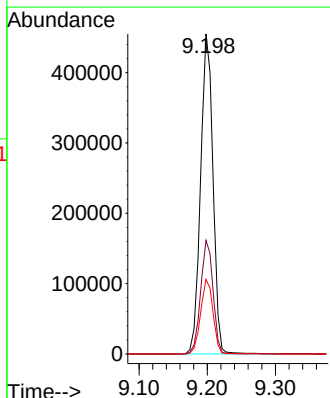
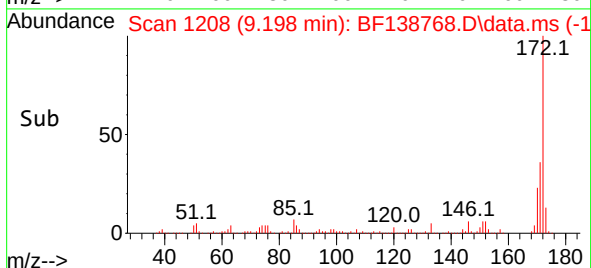
Reviewed By :Yogesh Patel 08/05/2024
Supervised By :mohammad ahmed 08/05/2024

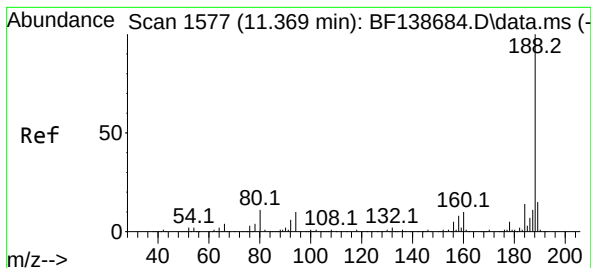


#45
2-Fluorobiphenyl
Concen: 64.006 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09



Tgt Ion:172 Resp: 575385
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.3 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: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

Tgt Ion:188 Resp: 21295

Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

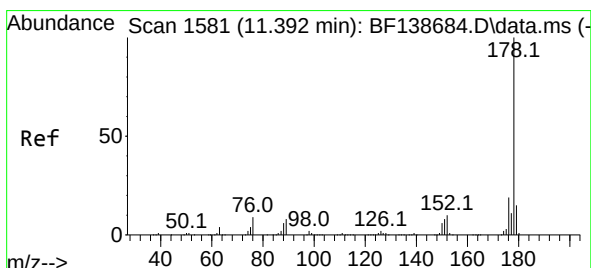
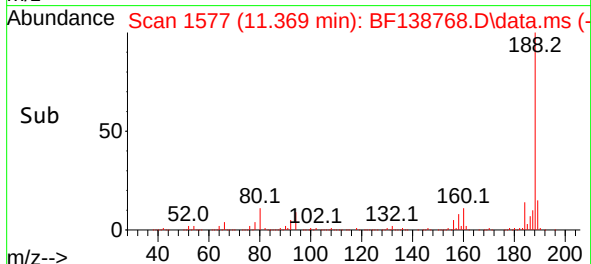
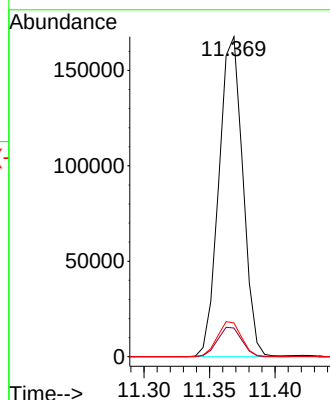
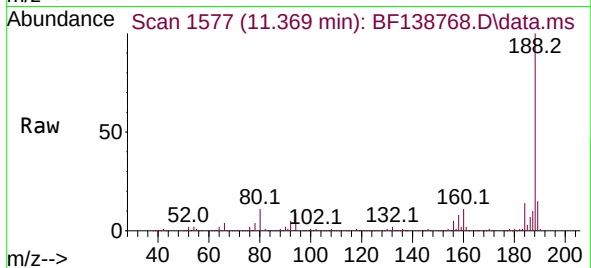
80 10.6 8.6 12.8

Manual Integrations

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Supervised By :mohammad ahmed 08/05/2024



#71

Phenanthrene

Concen: 8.891 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

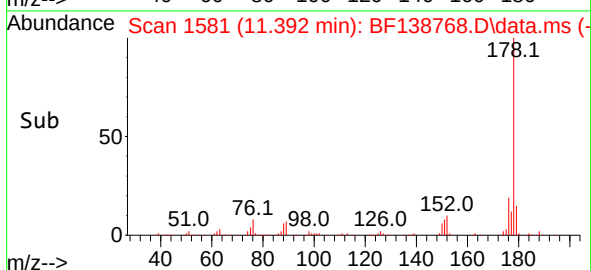
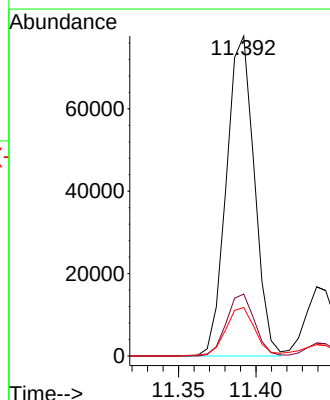
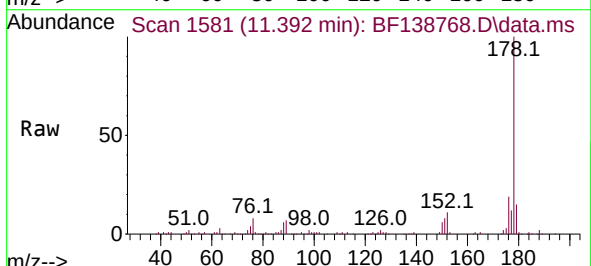
Tgt Ion:178 Resp: 97497

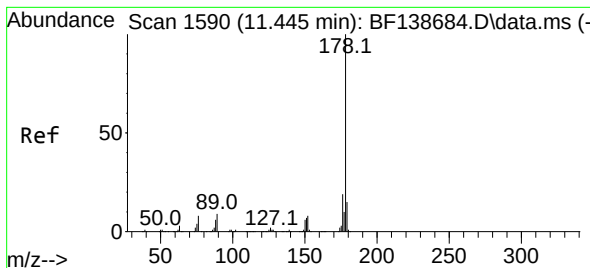
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.1 12.2 18.2





#72

Anthracene

Concen: 2.043 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

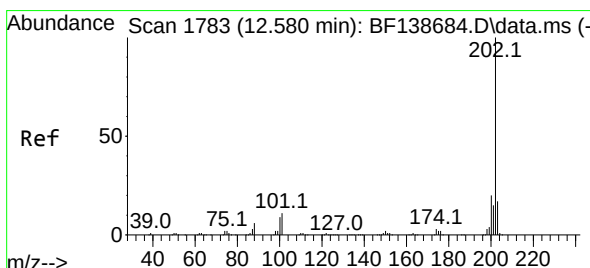
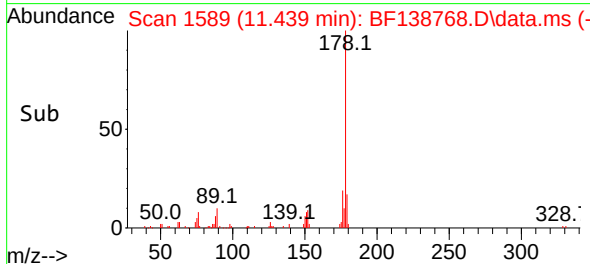
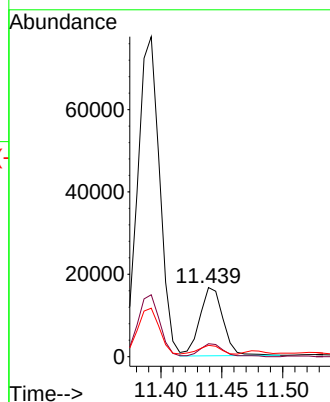
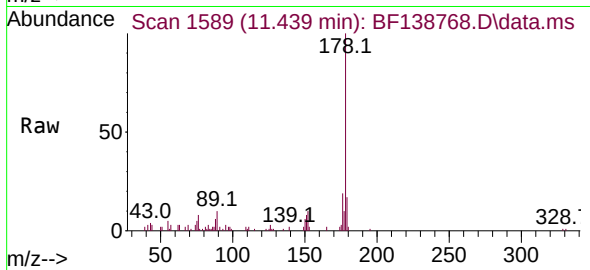
Tgt Ion:178	Resp:	22068
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.9 22.3
179	16.5	12.4 18.6

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Supervised By :mohammad ahmed 08/05/2024



#75

Fluoranthene

Concen: 13.143 ng

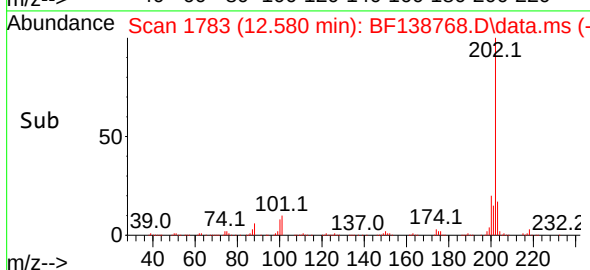
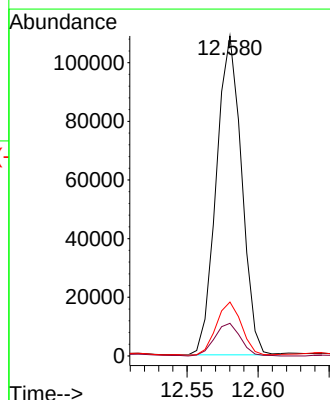
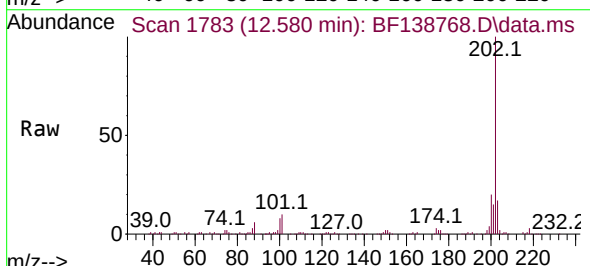
RT: 12.580 min Scan# 1783

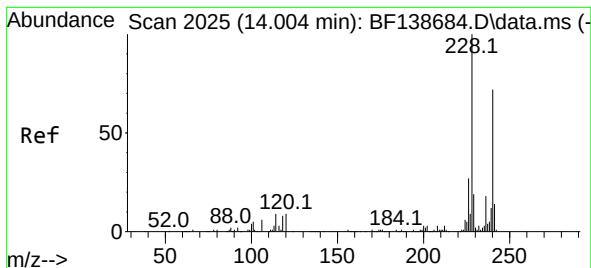
Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Tgt Ion:202	Resp:	134543
Ion Ratio	Lower	Upper
202	100	
101	10.2	0.0 31.2
203	16.8	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

Tgt Ion:240 Resp: 99884

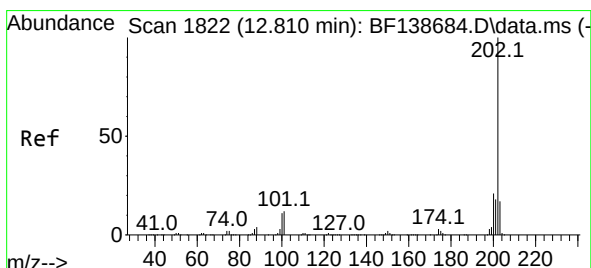
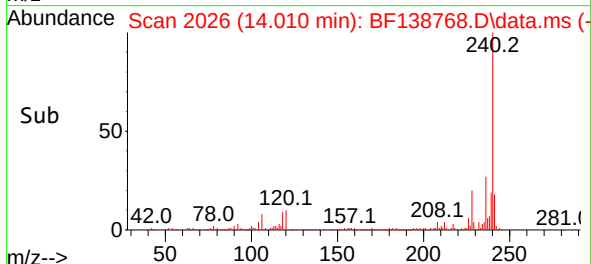
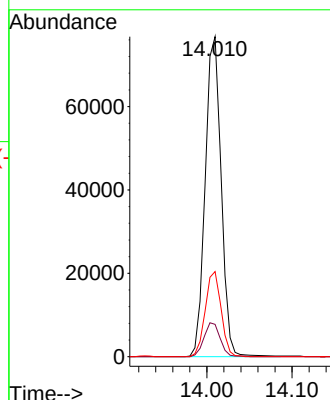
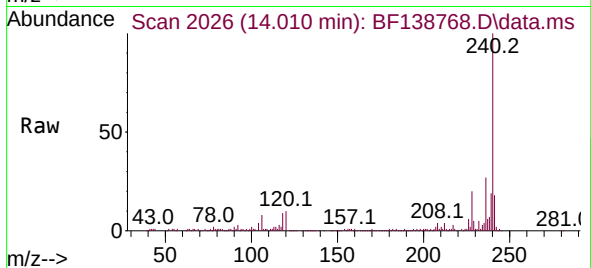
Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4
236	26.6	19.8	29.8

Manual Integrations

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Supervised By :mohammad ahmed 08/05/2024



#78

Pyrene

Concen: 15.786 ng

RT: 12.810 min Scan# 1822

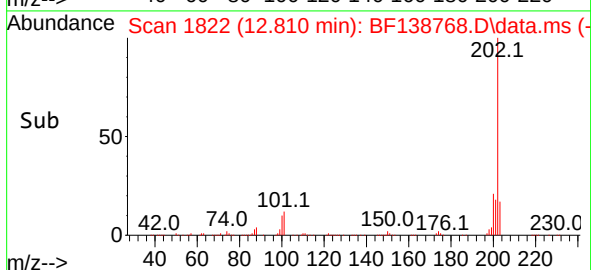
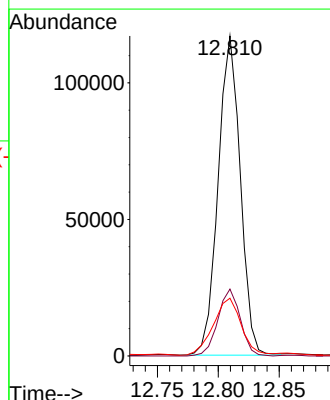
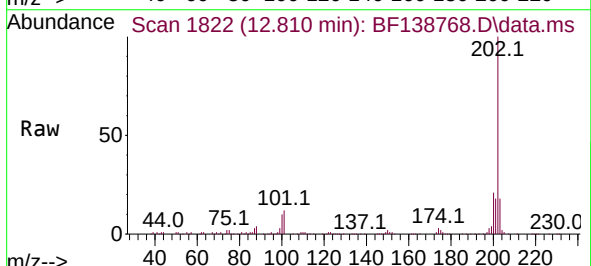
Delta R.T. -0.000 min

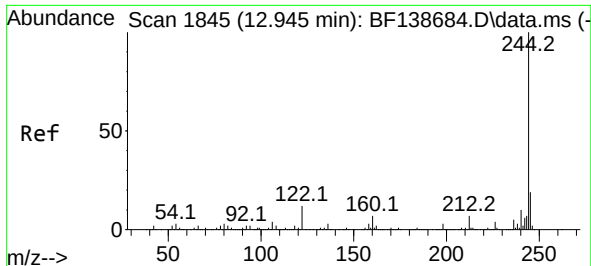
Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Tgt Ion:202 Resp: 148454

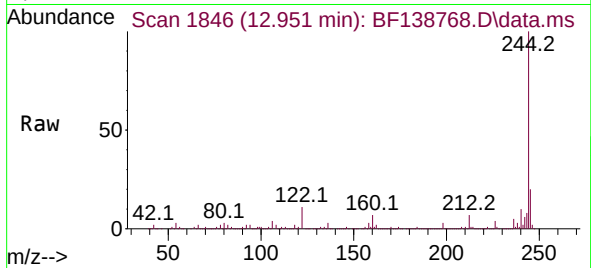
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.1	13.8	20.6





#79
 Terphenyl-d14
 Concen: 84.751 ng
 RT: 12.951 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

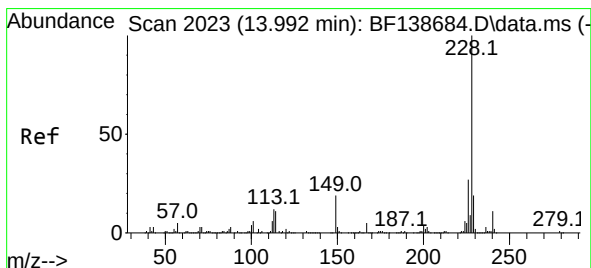
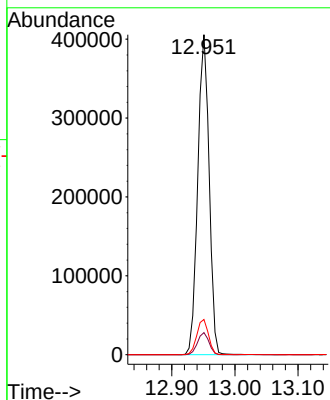
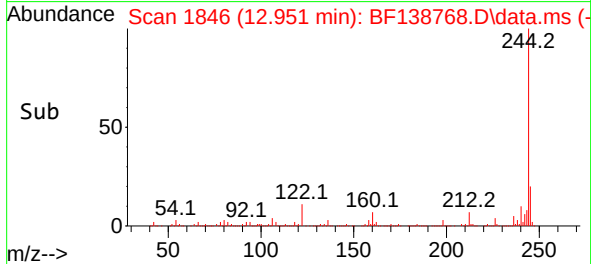
Instrument :
 BNA_F
 ClientSampleId :
 TP4



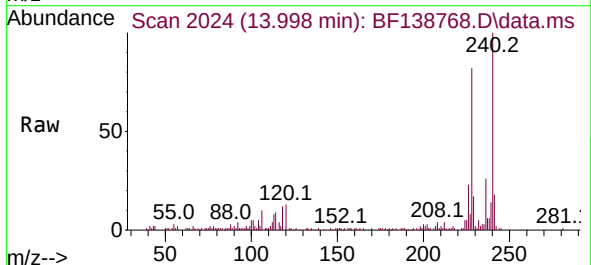
Tgt Ion:244 Resp: 505609
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 11.0 9.6 14.4

Manual Integrations
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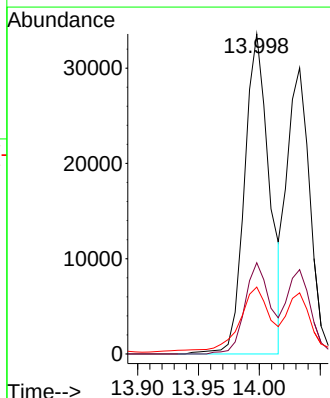
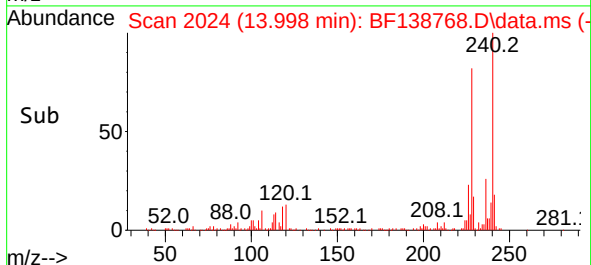
Reviewed By :Yogesh Patel 08/05/2024
 Supervised By :mohammad ahmed 08/05/2024

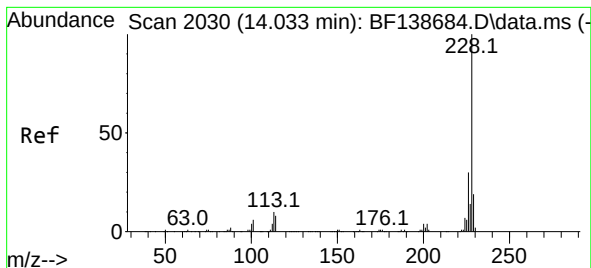


#81
 Benzo(a)anthracene
 Concen: 6.952 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09



Tgt Ion:228 Resp: 47814
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 20.9 15.4 23.0





#83

Chrysene

Concen: 6.277 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

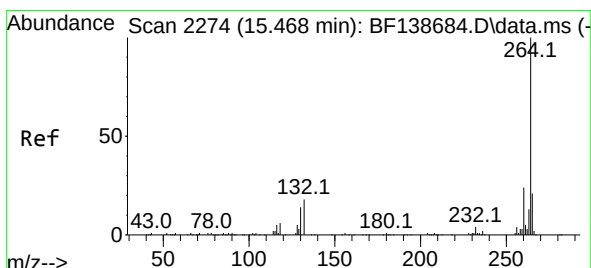
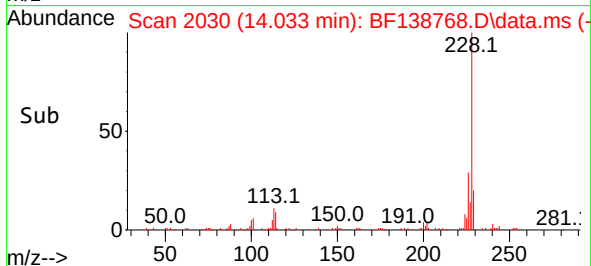
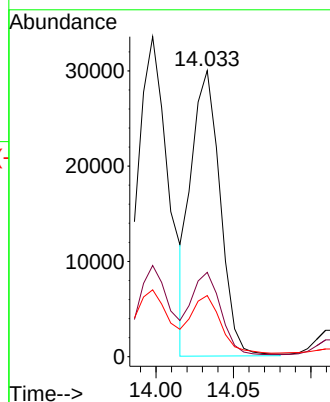
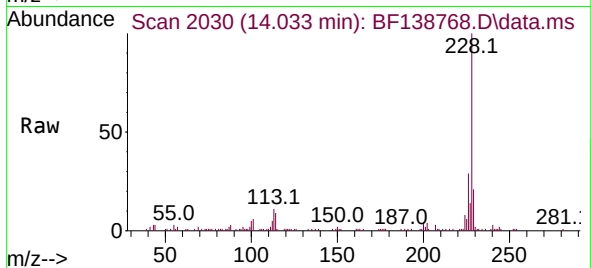
Tgt Ion:228	Resp:	38950
Ion Ratio	Lower	Upper
228	100	
226	29.5	23.7 35.5
229	21.4	15.0 22.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#86

Perylene-d12

Concen: 20.000 ng

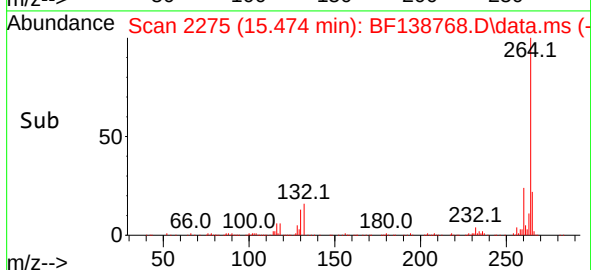
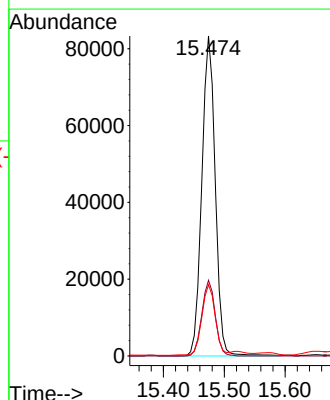
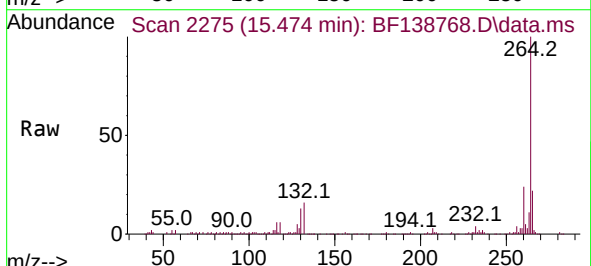
RT: 15.474 min Scan# 2275

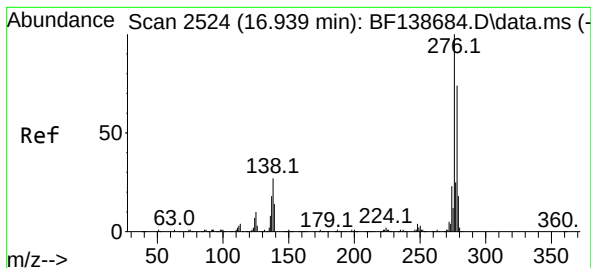
Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Tgt Ion:264	Resp:	127328
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.0 28.6
265	22.3	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.213 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

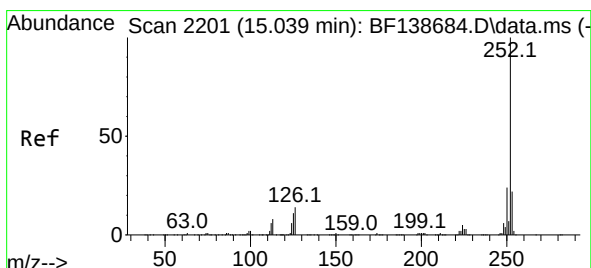
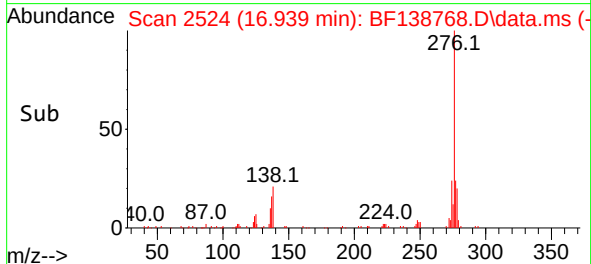
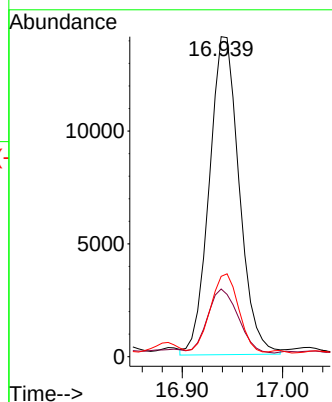
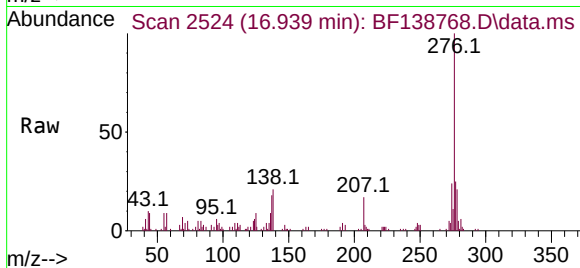
Tgt Ion:	276	Resp:	29320
Ion Ratio	Lower	Upper	
276	100		
138	20.3	21.8	32.8
277	23.3	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#88

Benzo(b)fluoranthene

Concen: 6.328 ng m

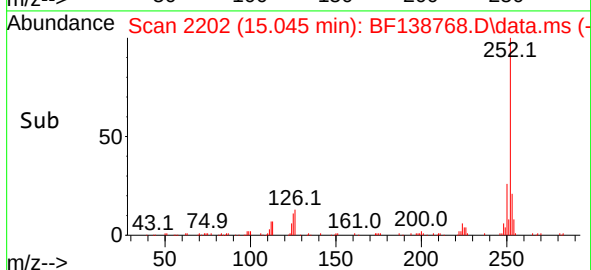
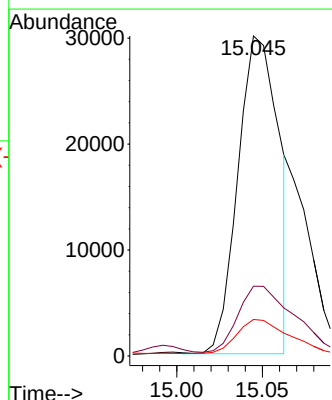
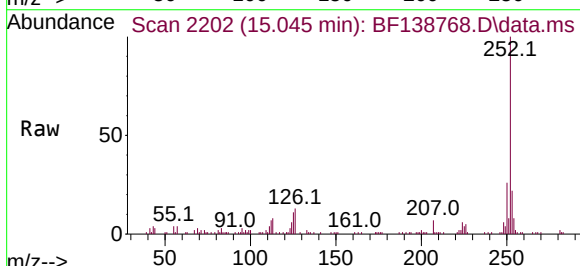
RT: 15.045 min Scan# 2202

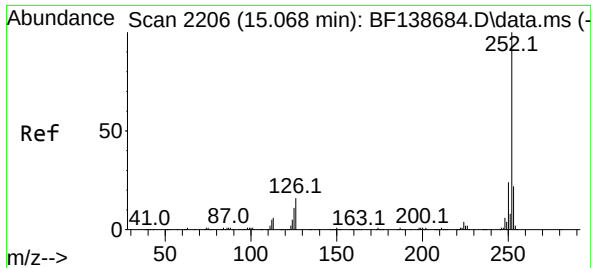
Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Tgt Ion:	252	Resp:	49948
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	11.4	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 2.328 ng m

RT: 15.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

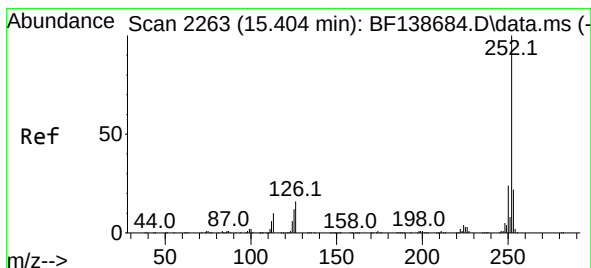
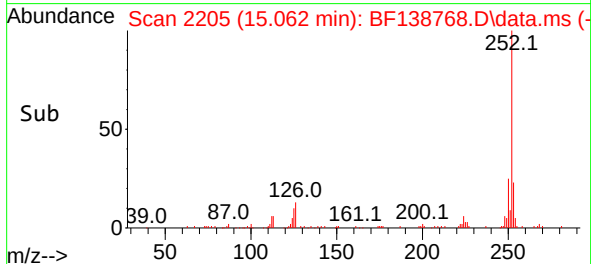
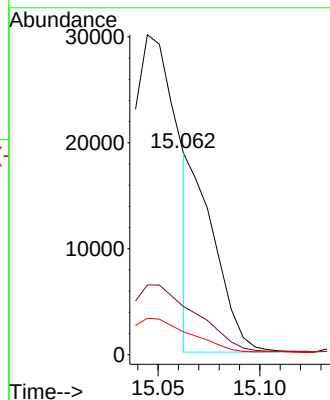
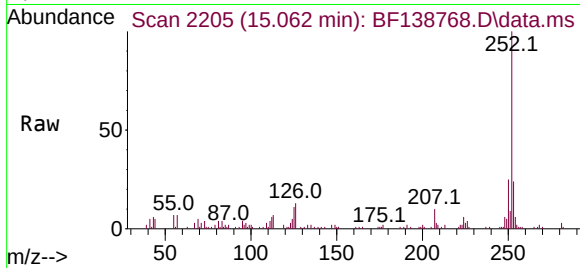
Tgt Ion:252	Resp:	1590
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.4 26.0
125	11.4	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/05/2024

Supervised By :mohammad ahmed 08/05/2024



#90

Benzo(a)pyrene

Concen: 6.427 ng

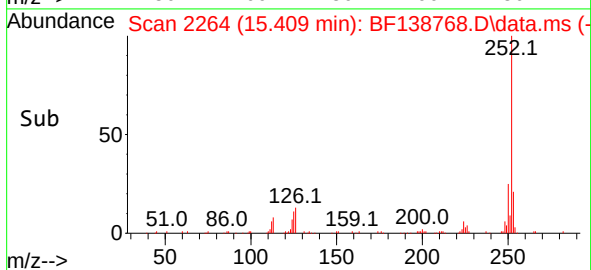
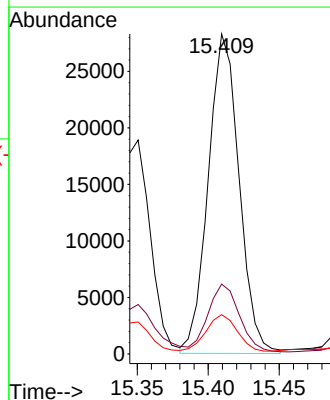
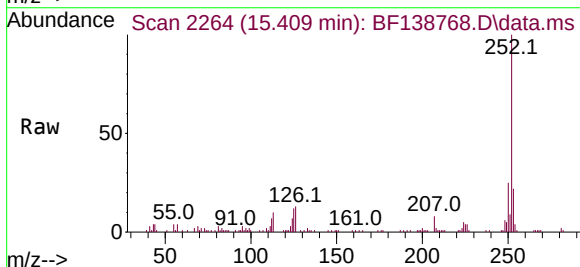
RT: 15.409 min Scan# 2264

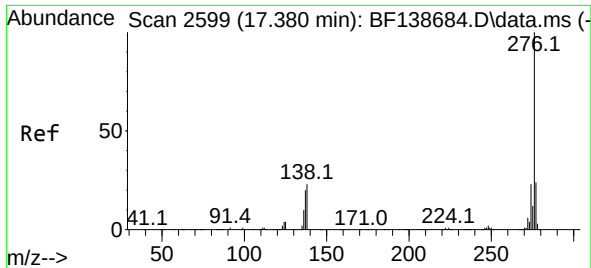
Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

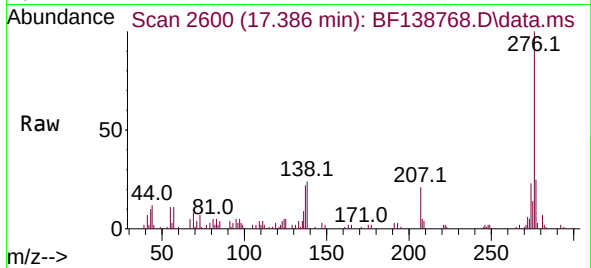
Tgt Ion:252	Resp:	42669
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.3 25.9
125	12.3	9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.657 ng
 RT: 17.386 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

Instrument :
 BNA_F
 ClientSampleId :
 TP4



Tgt Ion: 276 Resp: 28428
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.0 28.4
 138 23.8 18.5 27.7

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 08/05/2024
 Supervised By : mohammad ahmed 08/05/2024

