

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
 Data File : BF138746.D
 Acq On : 02 Aug 2024 14:34
 Operator : RC/JU
 Sample : P3403-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3054

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 02 14:58:56 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	42997	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	158444	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	71037	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	115533	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	116060	20.000	ng	0.02
86) Perylene-d12	15.480	264	109130	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	119363	42.853	ng	0.00
7) Phenol-d6	6.481	99	168921	45.170	ng	0.00
23) Nitrobenzene-d5	7.404	82	102590	31.656	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	27257	46.842	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	159542	33.745	ng	0.00
79) Terphenyl-d14	12.963	244	176342	25.439	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.834	142	13488	2.561	ng	99
38) 1-Methylnaphthalene	8.934	142	25729	4.985	ng	97
49) Acenaphthylene	9.739	152	34912	5.949	ng	# 73
52) Acenaphthene	9.910	154	13897	3.523	ng	# 86
58) Fluorene	10.428	166	35173	7.932	ng	# 88
71) Phenanthrene	11.404	178	418479	70.344	ng	# 96
72) Anthracene	11.451	178	64655	11.032	ng	# 76
75) Fluoranthene	12.604	202	610752	109.971	ng	97
78) Pyrene	12.833	202	692172	63.343	ng	97
81) Benzo(a)anthracene	14.010	228	362194	45.319	ng	94
83) Chrysene	14.051	228	363964	50.477	ng	96
84) Bis(2-ethylhexyl)phtha...	13.986	149	24161	4.715	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.945	276	115963	14.828	ng	94
88) Benzo(b)fluoranthene	15.057	252	335218m	49.552	ng	
89) Benzo(k)fluoranthene	15.074	252	91519m	15.625	ng	
90) Benzo(a)pyrene	15.421	252	227590	39.996	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	31255m	4.869	ng	
92) Benzo(g,h,i)perylene	17.392	276	112066	16.822	ng	99

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

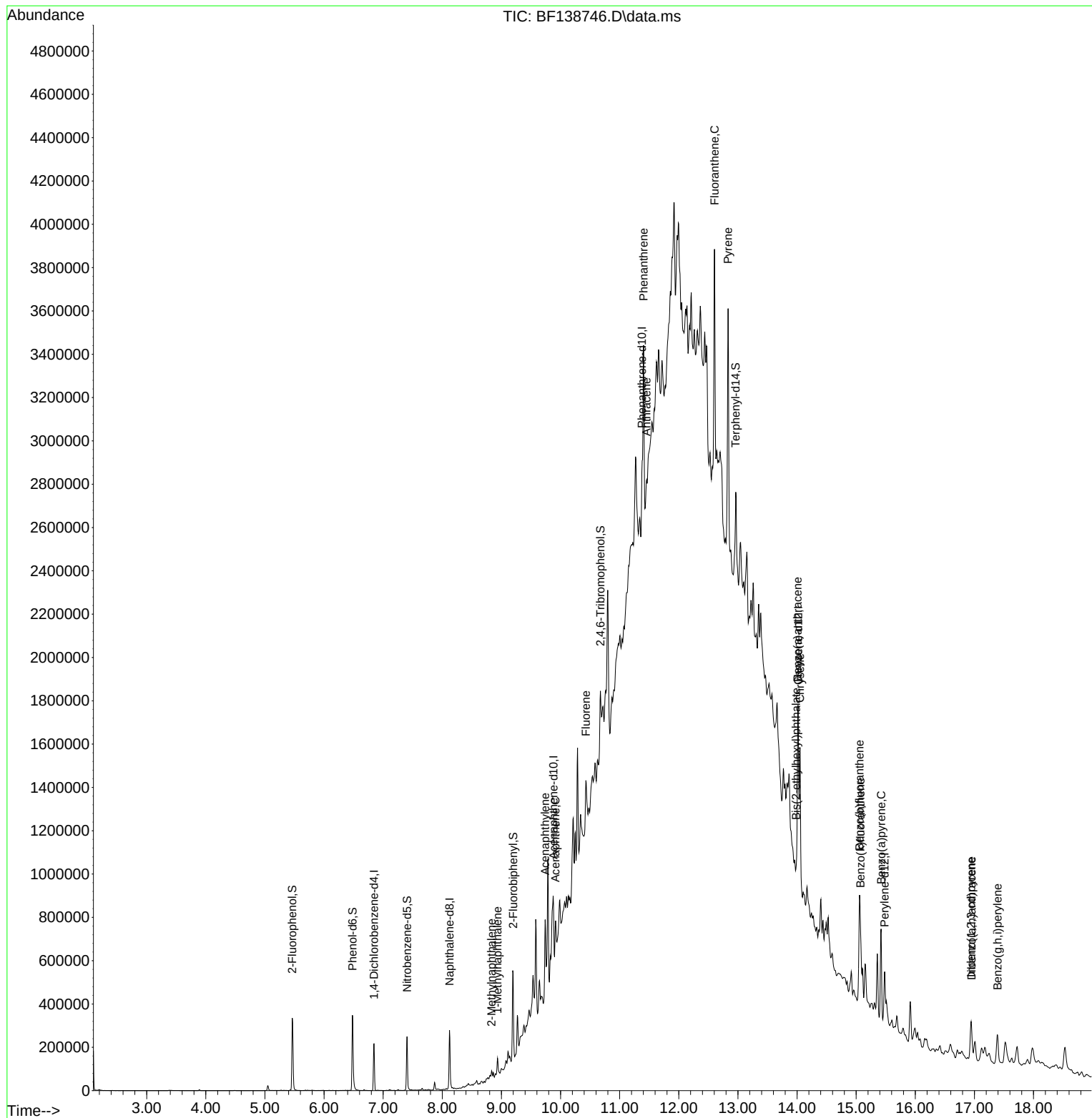
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
Data File : BF138746.D
Acq On : 02 Aug 2024 14:34
Operator : RC/JU
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ALS Vial : 12 Sample Multiplier: 1

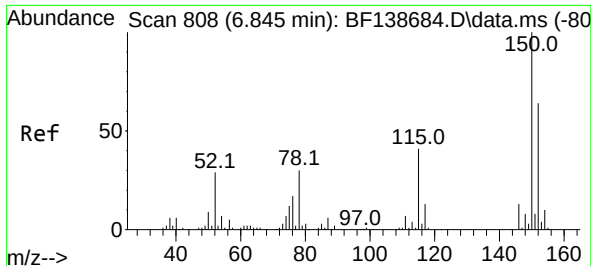
Instrument :
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Quant Time: Aug 02 14:58:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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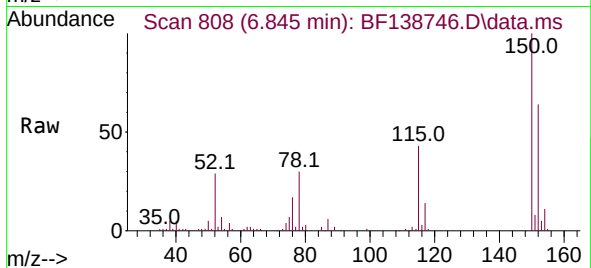
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

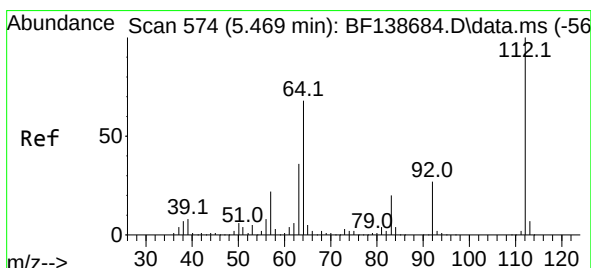
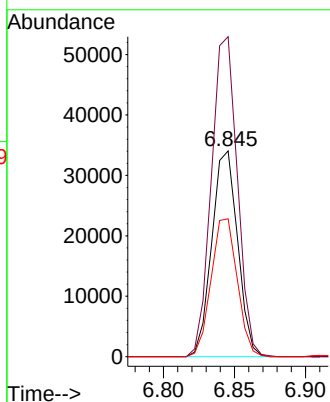
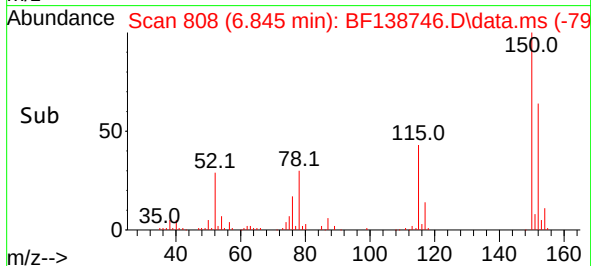
Instrument :
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ClientSampleId :
RT3054



Tgt Ion:152 Resp: 4299
Ion Ratio Lower Upper
152 100
150 155.5 126.0 189.0
115 67.0 51.7 77.5

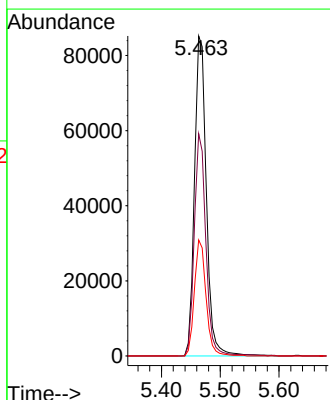
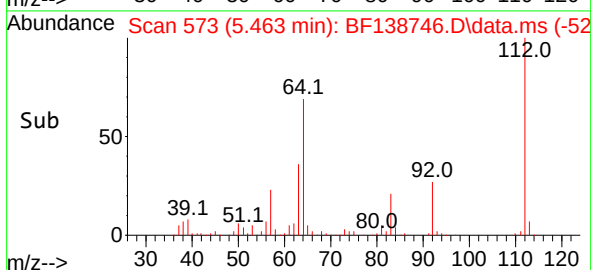
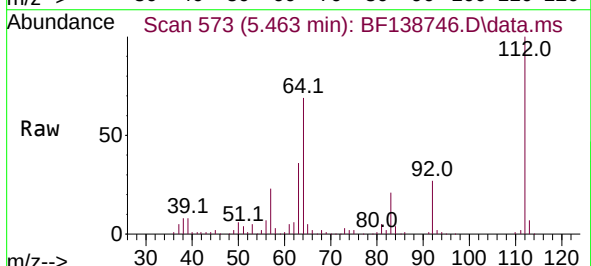
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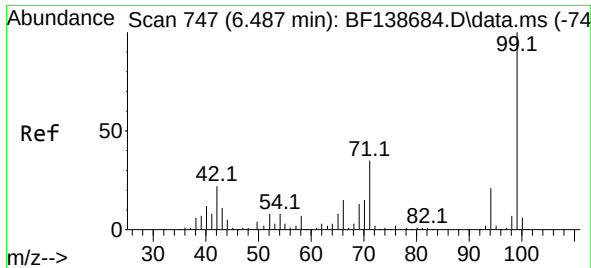
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#5
2-Fluorophenol
Concen: 42.853 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

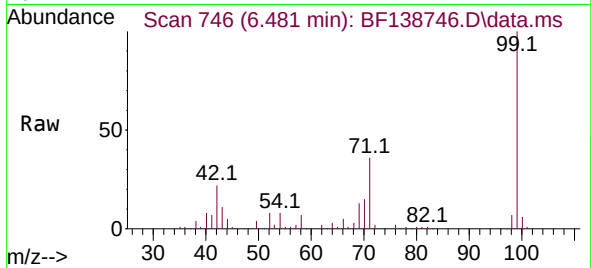
Tgt Ion:112 Resp: 119363
Ion Ratio Lower Upper
112 100
64 69.4 54.2 81.4
63 36.3 28.7 43.1





#7
Phenol-d6
Concen: 45.170 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

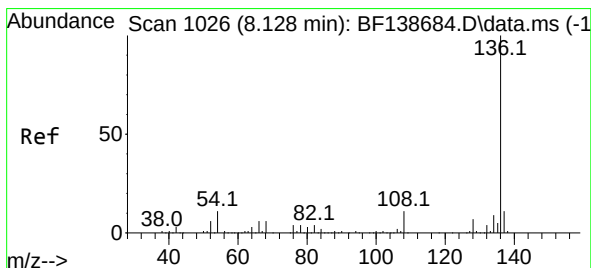
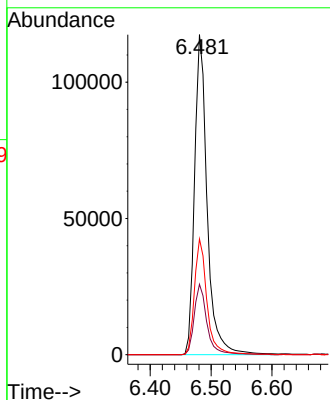
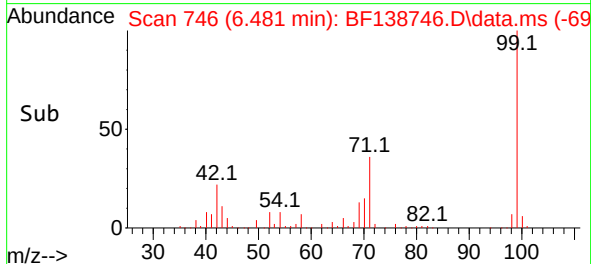
Instrument :
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ClientSampleId :
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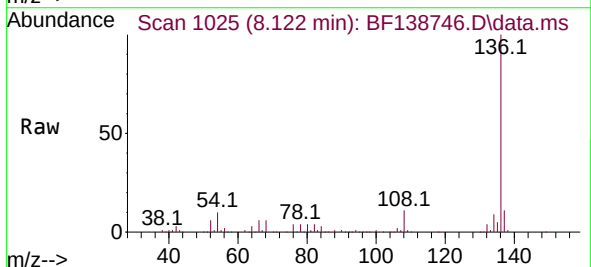
Tgt Ion: 99 Resp: 16892
Ion Ratio Lower Upper
99 100
42 22.0 17.4 26.0
71 36.2 28.1 42.1

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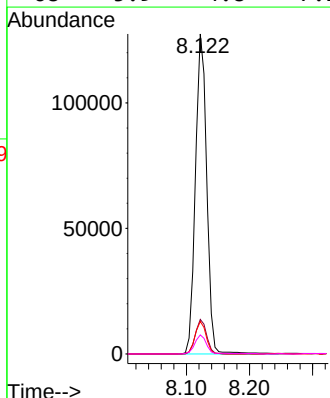
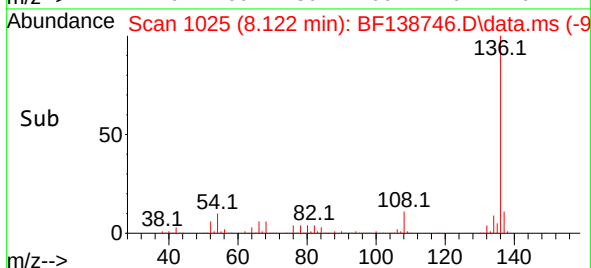
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024

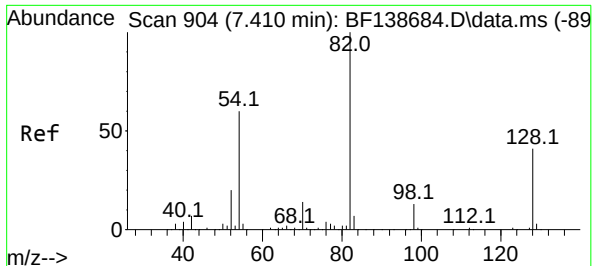


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34



Tgt Ion:136 Resp: 158444
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.2 8.6 12.8
68 5.9 4.8 7.2





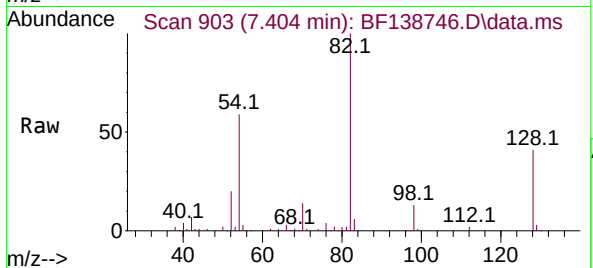
#23
Nitrobenzene-d5
Concen: 31.656 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

Instrument :

BNA_F

ClientSampleId :

RT3054

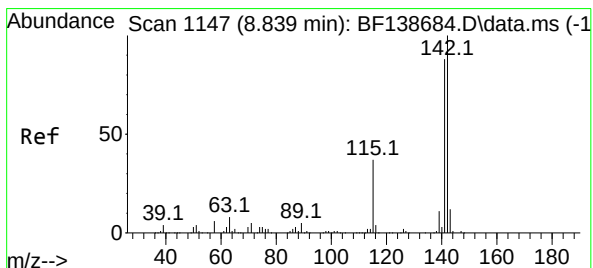
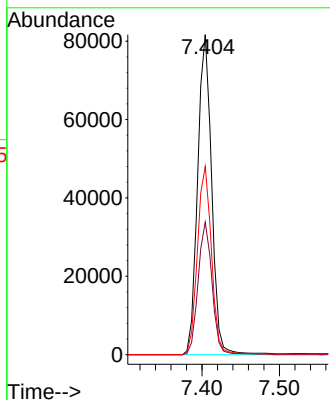
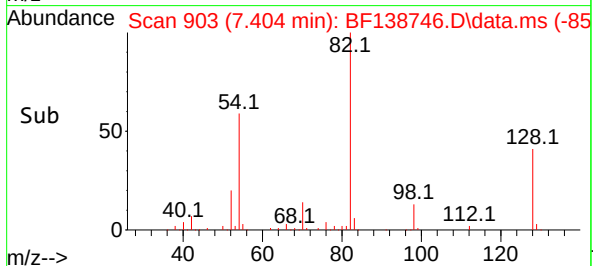


Tgt Ion: 82 Resp: 102590
Ion Ratio Lower Upper
82 100
128 41.5 32.8 49.2
54 58.9 48.3 72.5

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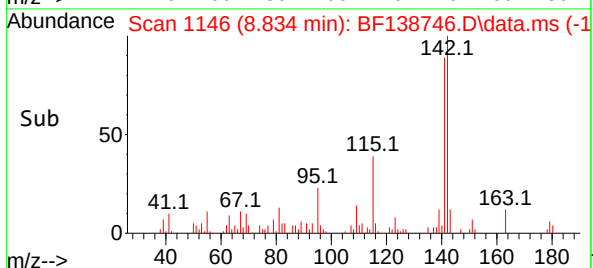
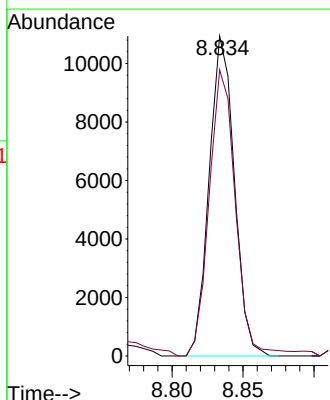
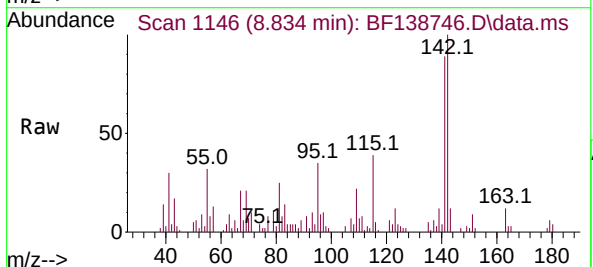
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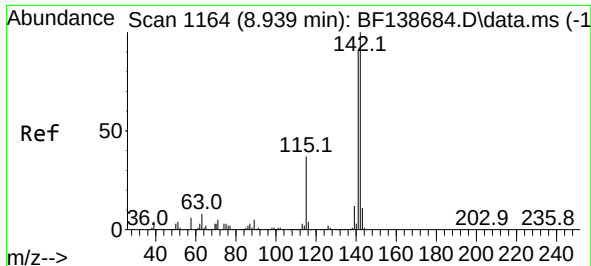
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#37
2-Methylnaphthalene
Concen: 2.561 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

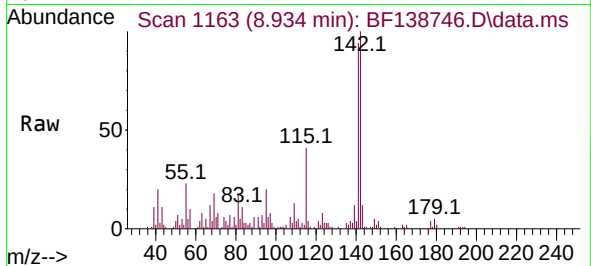
Tgt Ion:142 Resp: 13488
Ion Ratio Lower Upper
142 100
141 89.4 70.8 106.2





#38
1-Methylnaphthalene
Concen: 4.985 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

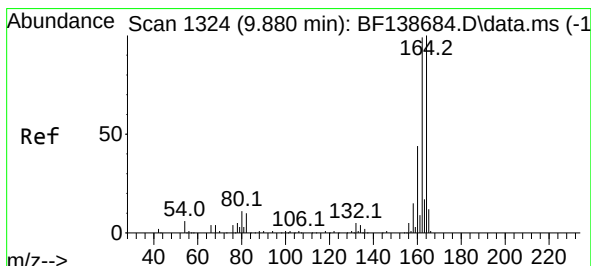
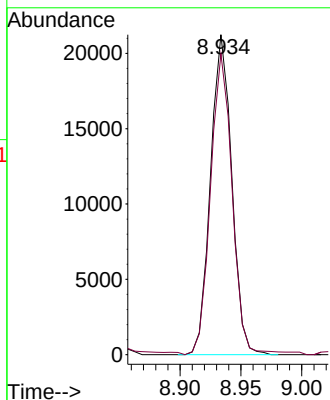
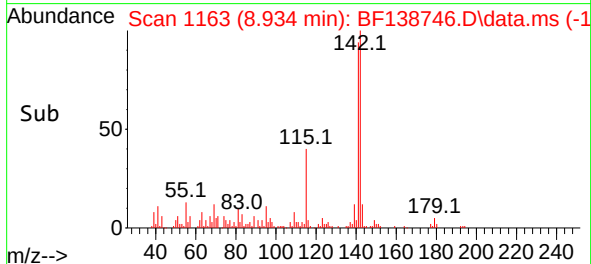
Instrument :
BNA_F
ClientSampleId :
RT3054



Tgt Ion:142 Resp: 25729
Ion Ratio Lower Upper
142 100
141 94.0 73.1 109.7

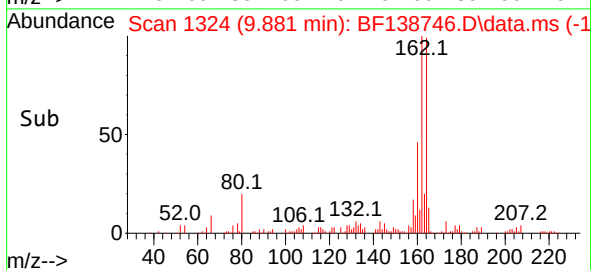
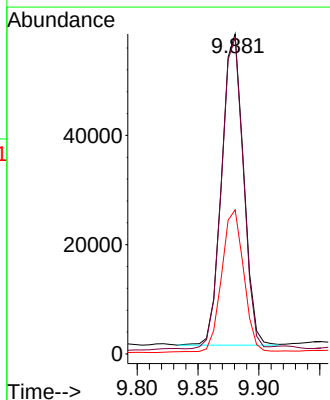
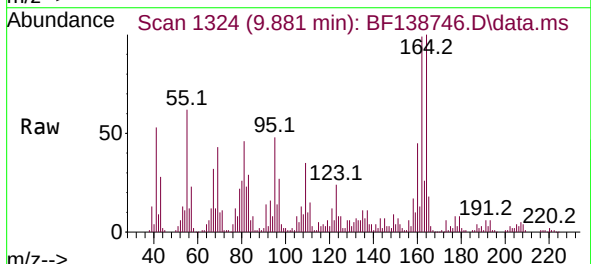
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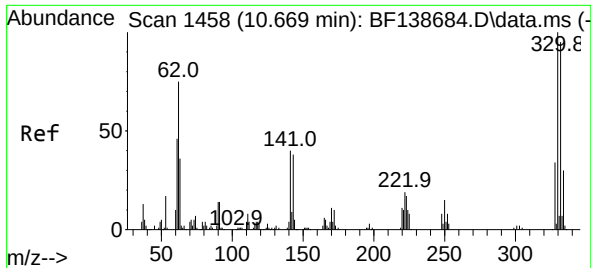
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

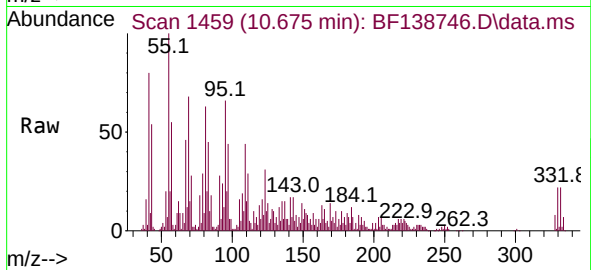
Tgt Ion:164 Resp: 71037
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 45.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 46.842 ng
RT: 10.675 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

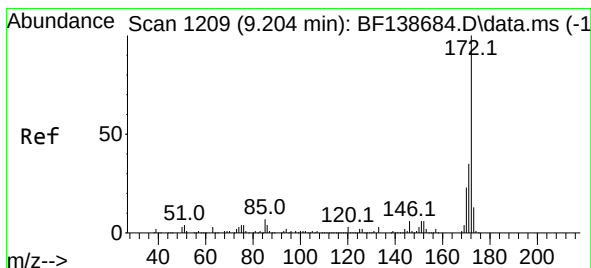
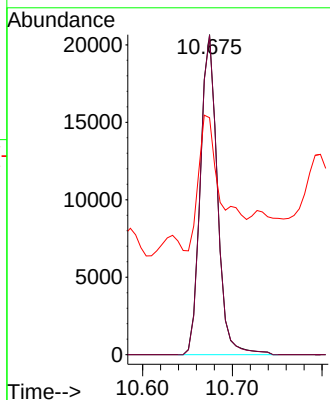
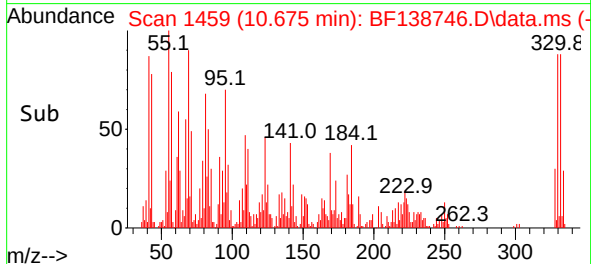
Instrument :
BNA_F
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RT3054



Tgt Ion: 330 Resp: 2725
Ion Ratio Lower Upper
330 100
332 99.4 76.4 114.6
141 58.8 31.1 46.7

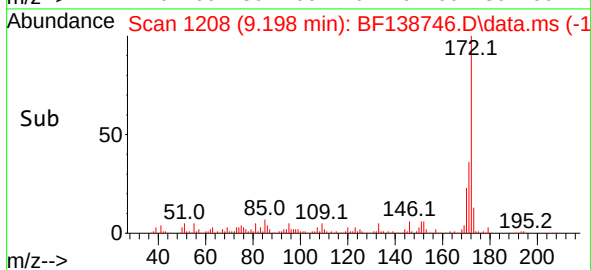
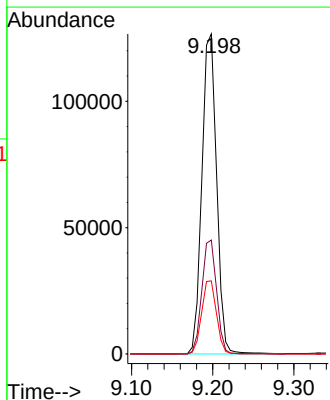
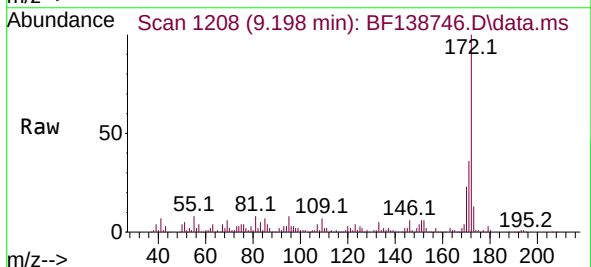
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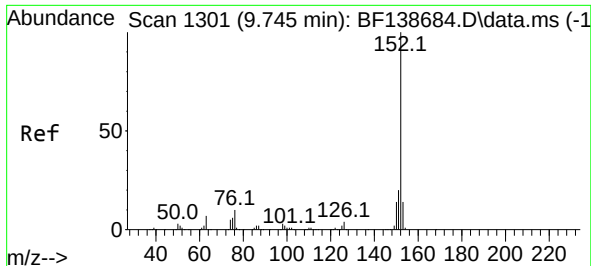
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#45
2-Fluorobiphenyl
Concen: 33.745 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

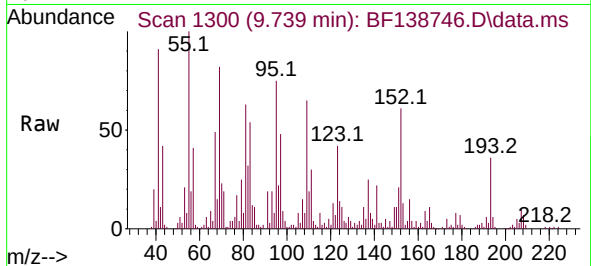
Tgt Ion: 172 Resp: 159542
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 22.8 18.8 28.2





#49
Acenaphthylene
Concen: 5.949 ng
RT: 9.739 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

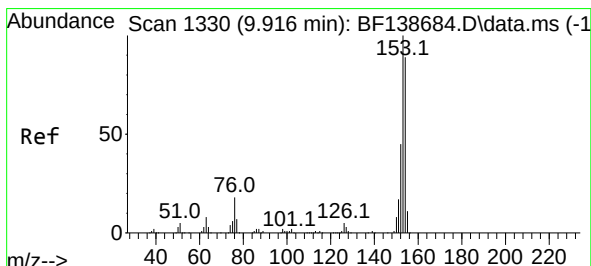
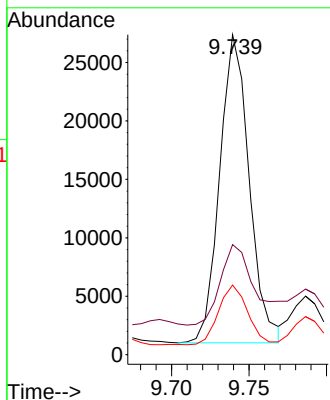
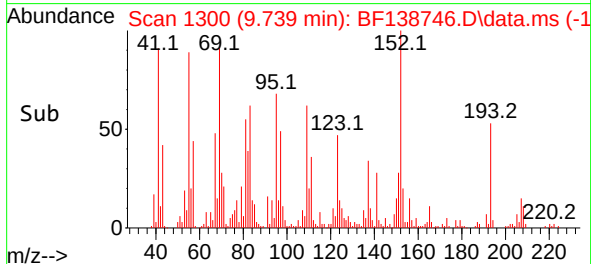
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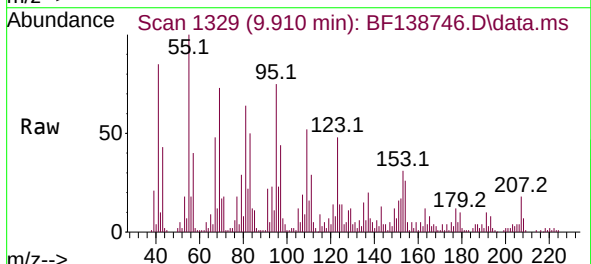
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Ion Ratio Lower Upper
152 100
151 34.4 16.0 24.0
153 21.8 11.0 16.4

Manual Integrations
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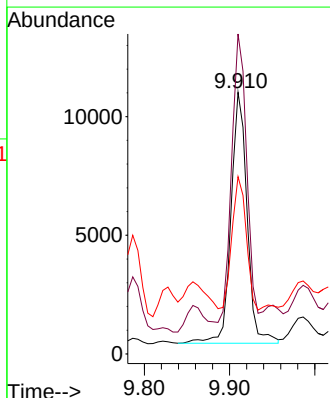
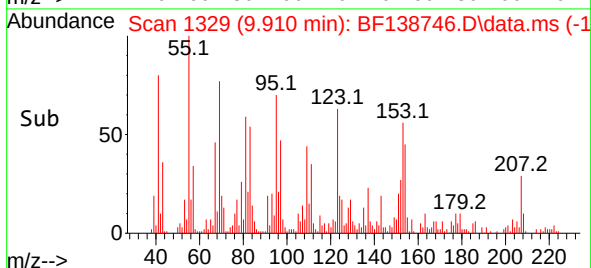
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024

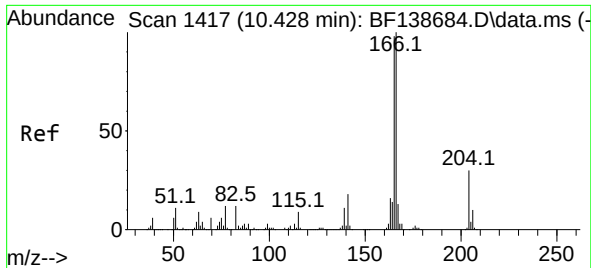


#52
Acenaphthene
Concen: 3.523 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34



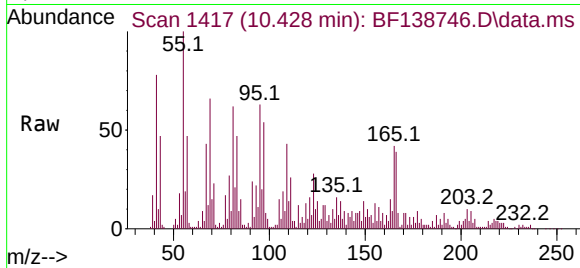
Tgt Ion:154 Resp: 13897
Ion Ratio Lower Upper
154 100
153 122.4 89.9 134.9
152 67.8 40.6 60.8





#58
Fluorene
Concen: 7.932 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

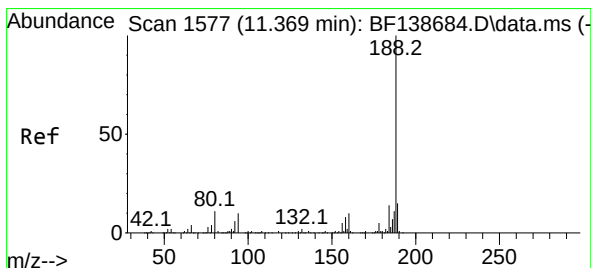
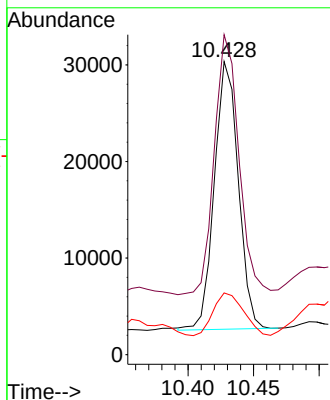
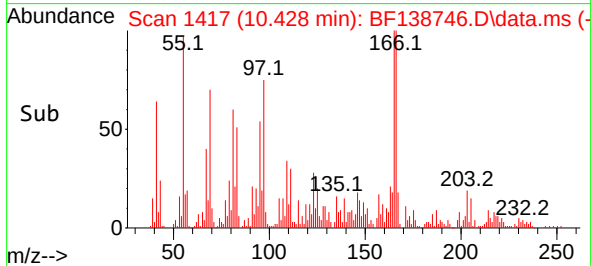
Instrument :
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Tgt Ion:166 Resp: 3517
Ion Ratio Lower Upper
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165 109.1 78.4 117.6
167 21.1 10.6 16.0

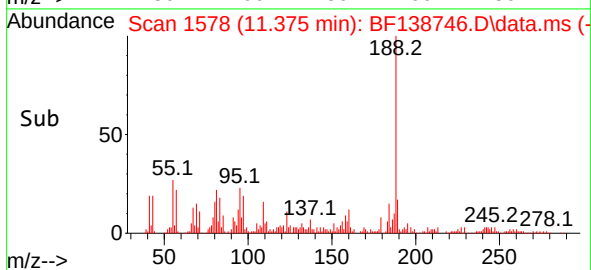
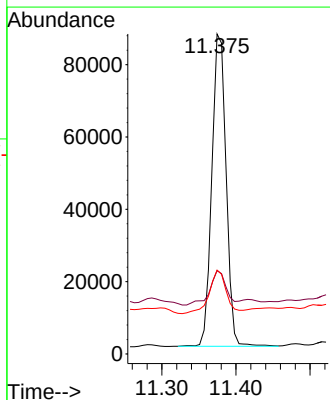
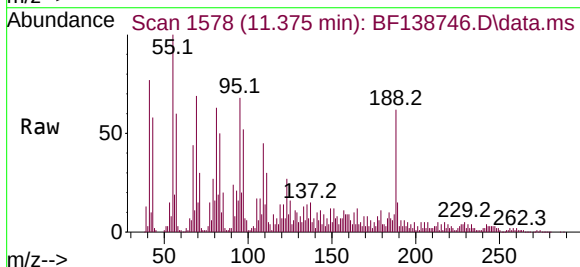
Manual Integrations
APPROVED

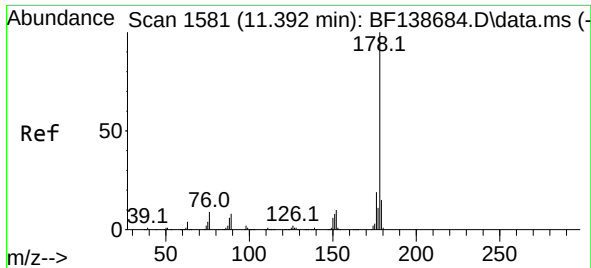
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

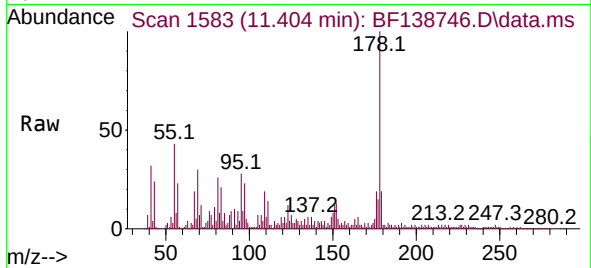
Tgt Ion:188 Resp: 115533
Ion Ratio Lower Upper
188 100
94 26.0 7.6 11.4#
80 26.2 8.6 12.8#





#71
Phenanthrene
Concen: 70.344 ng
RT: 11.404 min Scan# 1581
Delta R.T. 0.012 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

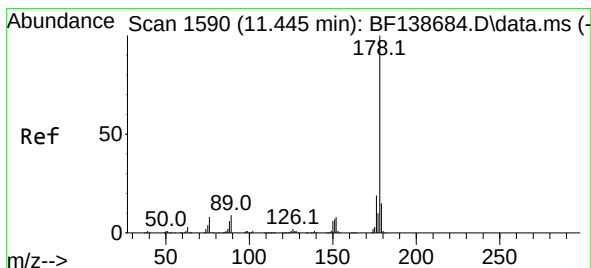
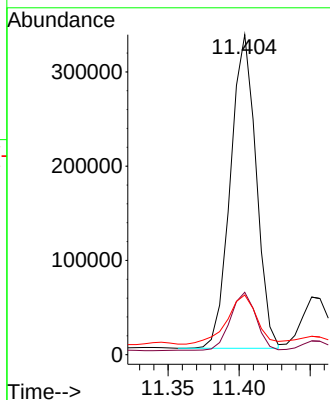
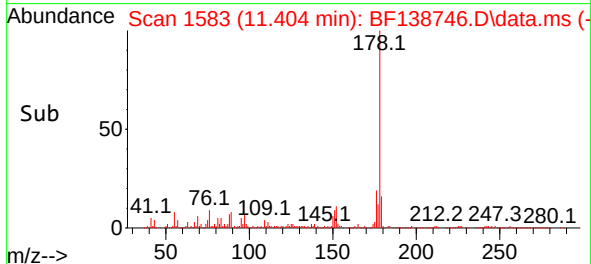
Instrument :
BNA_F
ClientSampleId :
RT3054



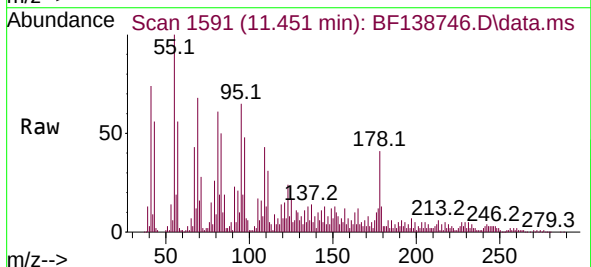
Tgt Ion:178 Resp: 418479
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 18.6 12.2 18.2

Manual Integrations
APPROVED

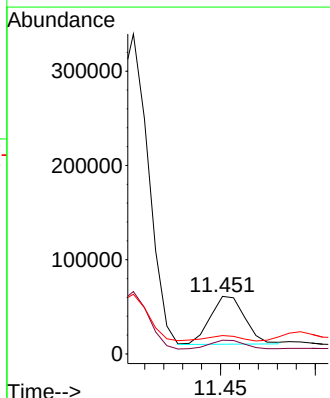
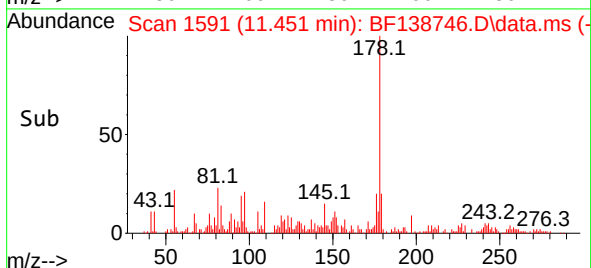
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024

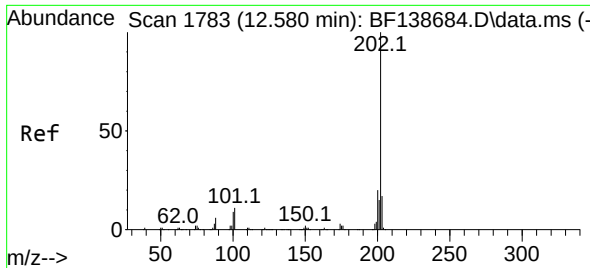


#72
Anthracene
Concen: 11.032 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34



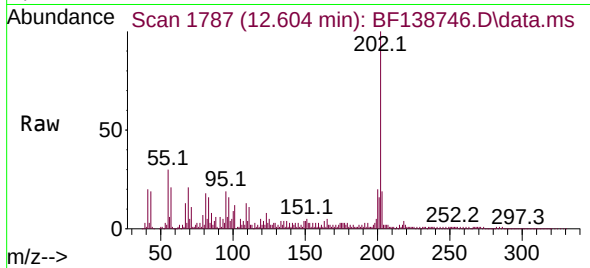
Tgt Ion:178 Resp: 64655
Ion Ratio Lower Upper
178 100
176 23.9 14.9 22.3#
179 32.0 12.4 18.6#





#75
Fluoranthene
Concen: 109.971 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

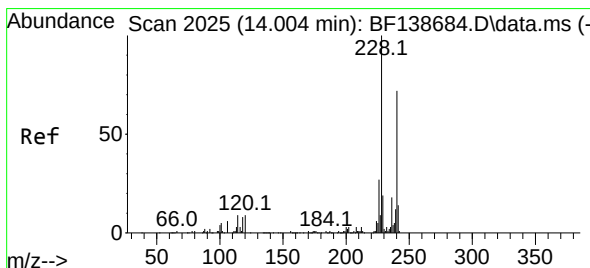
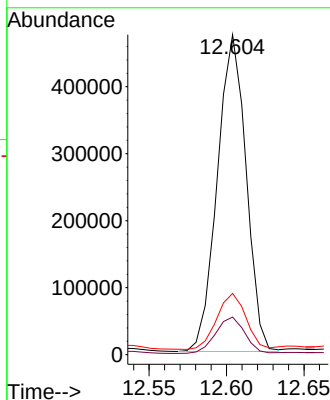
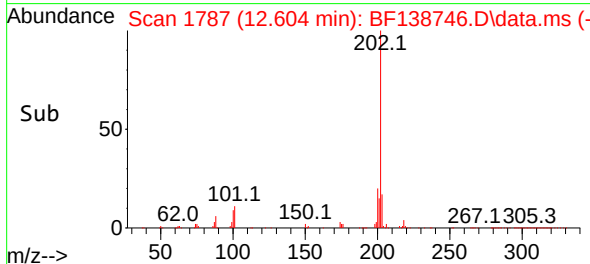
Instrument :
BNA_F
ClientSampleId :
RT3054



Tgt Ion:202 Resp: 610752
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.2
203 19.2 0.0 37.3

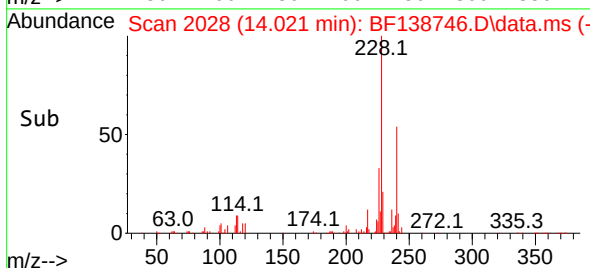
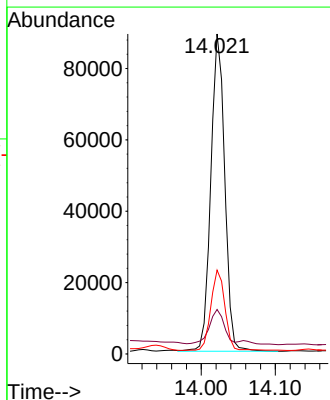
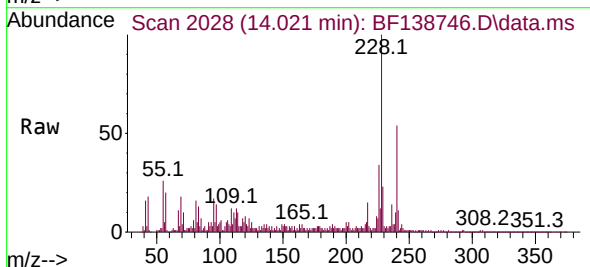
Manual Integrations
APPROVED

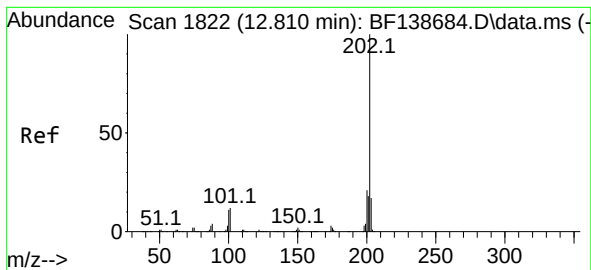
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.018 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

Tgt Ion:240 Resp: 116060
Ion Ratio Lower Upper
240 100
120 13.9 10.2 15.4
236 26.2 19.8 29.8





#78

Pyrene

Concen: 63.343 ng

RT: 12.833 min Scan# 1826

Delta R.T. 0.024 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

Instrument :

BNA_F

ClientSampleId :

RT3054

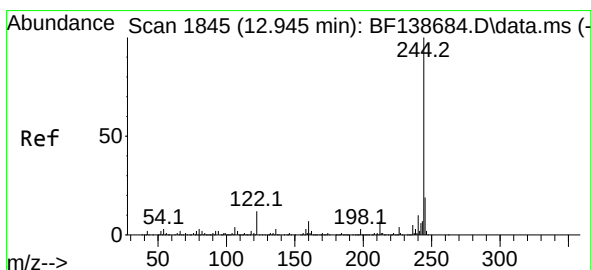
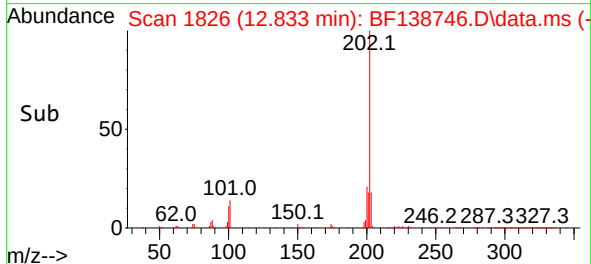
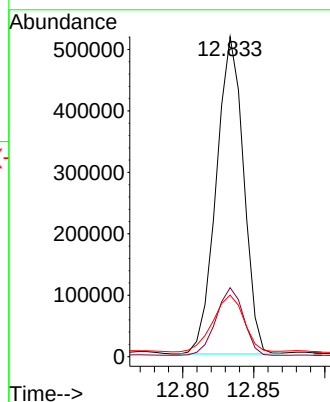
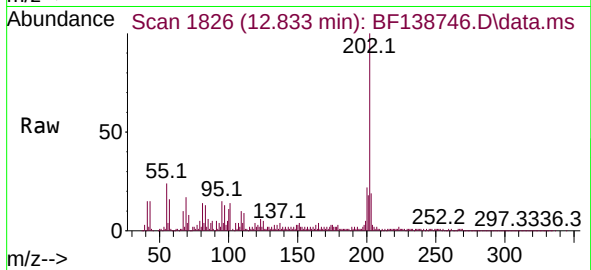
Tgt Ion:202 Resp: 692172
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.8 25.2
 203 19.3 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/03/2024



#79

Terphenyl-d14

Concen: 25.439 ng

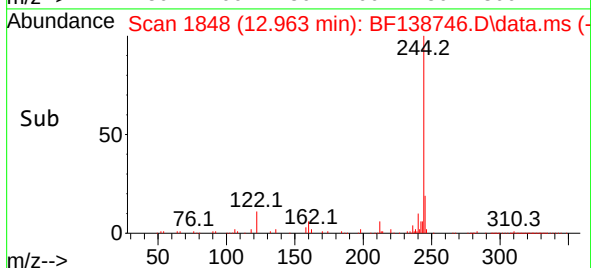
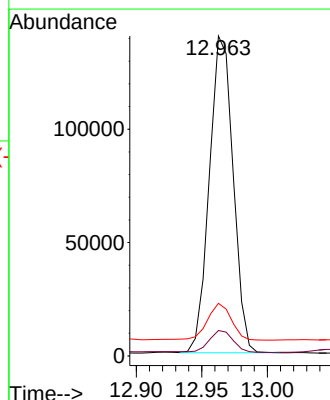
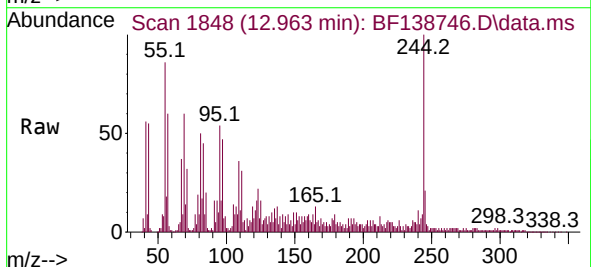
RT: 12.963 min Scan# 1848

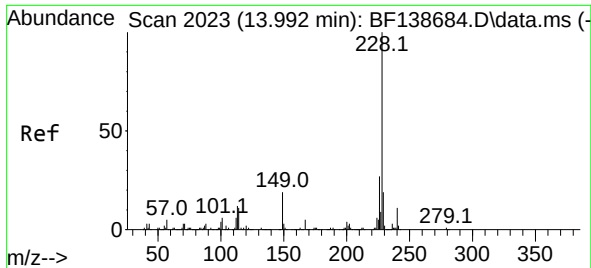
Delta R.T. 0.018 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

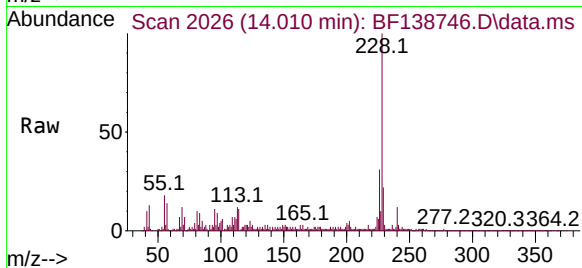
Tgt Ion:244 Resp: 176342
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 16.4 9.6 14.4#





#81
Benzo(a)anthracene
Concen: 45.319 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.018 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

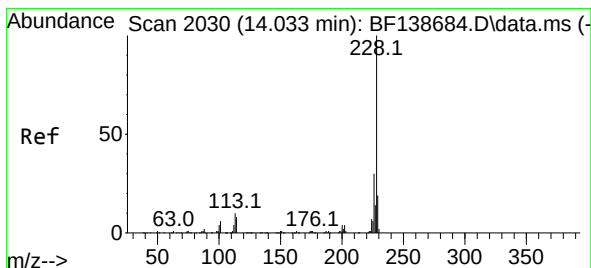
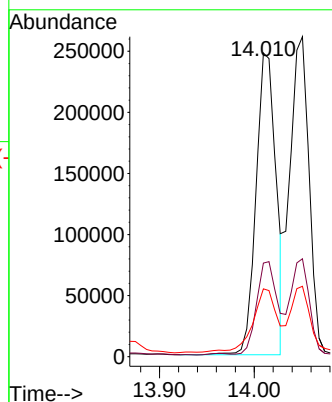
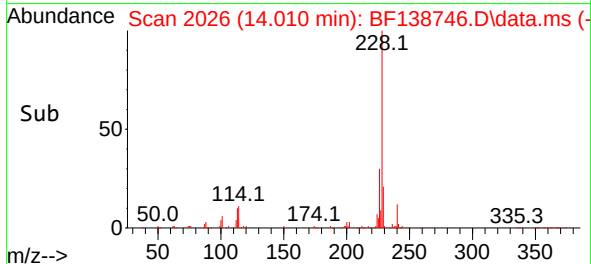
Instrument :
BNA_F
ClientSampleId :
RT3054



Tgt Ion:228 Resp: 362194
Ion Ratio Lower Upper
228 100
226 30.8 22.1 33.1
229 22.3 15.4 23.0

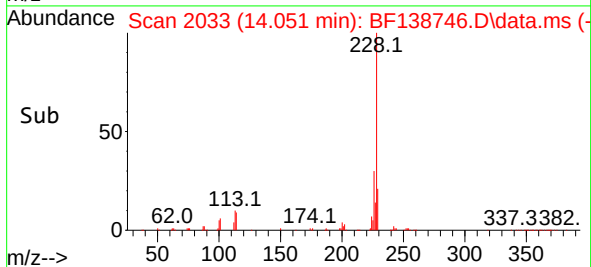
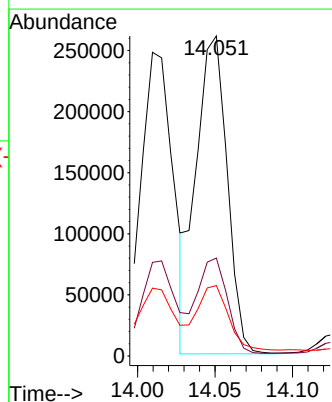
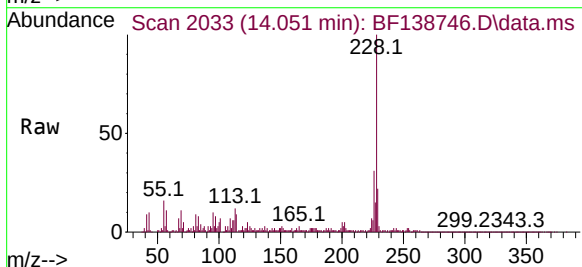
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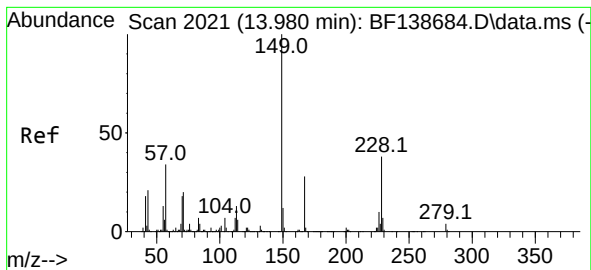
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#83
Chrysene
Concen: 50.477 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.018 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

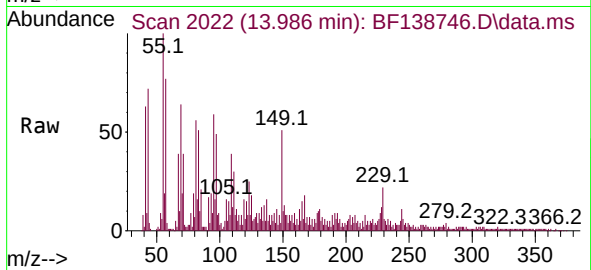
Tgt Ion:228 Resp: 363964
Ion Ratio Lower Upper
228 100
226 30.6 23.7 35.5
229 22.0 15.0 22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.715 ng
RT: 13.986 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

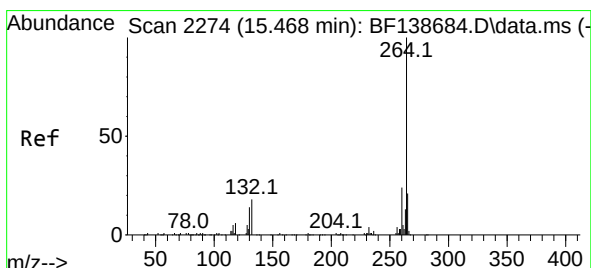
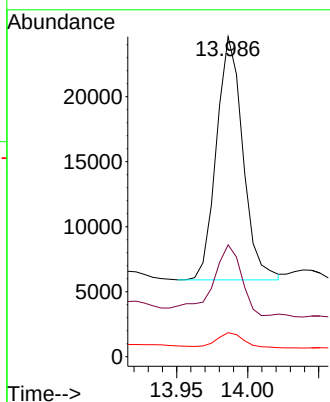
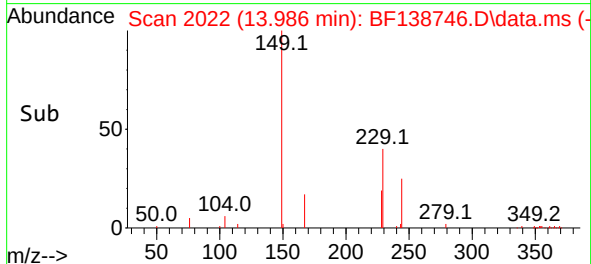
Instrument :
BNA_F
ClientSampleId :
RT3054



Tgt Ion:149 Resp: 2416
Ion Ratio Lower Upper
149 100
167 34.9 22.2 33.4
279 7.5 3.4 5.0

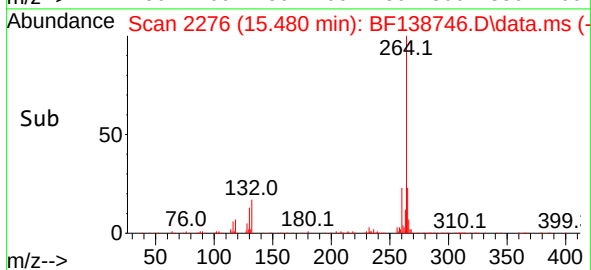
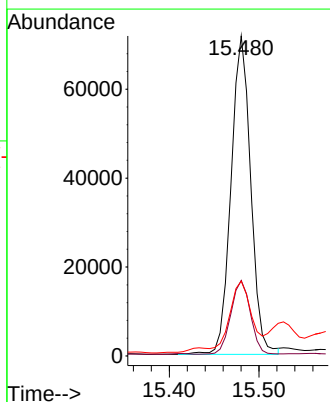
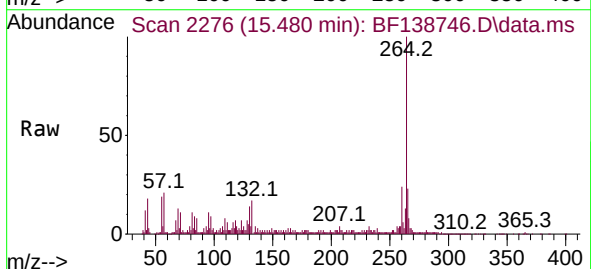
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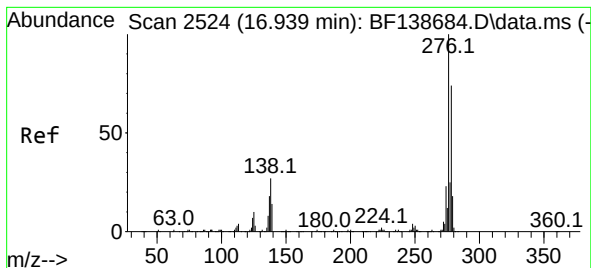
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.012 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

Tgt Ion:264 Resp: 109130
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 23.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.828 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

Instrument :

BNA_F

ClientSampleId :

RT3054

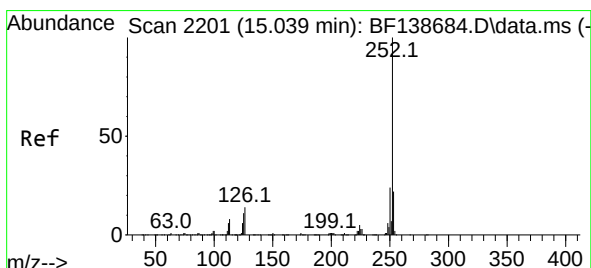
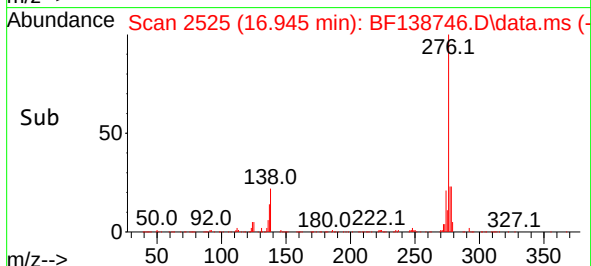
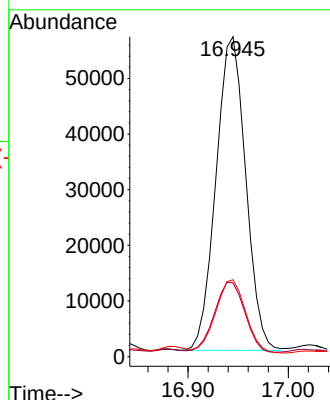
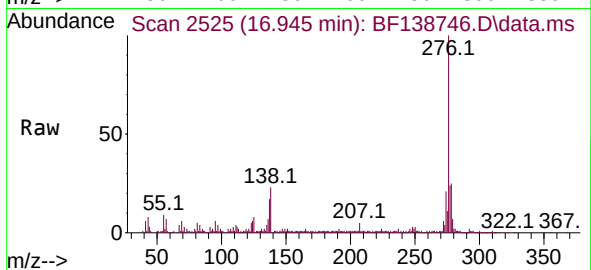
Tgt Ion:	276	Resp:	11596
Ion Ratio	Lower	Upper	
276	100		
138	22.8	21.8	32.8
277	23.8	20.6	30.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/03/2024



#88

Benzo(b)fluoranthene

Concen: 49.552 ng m

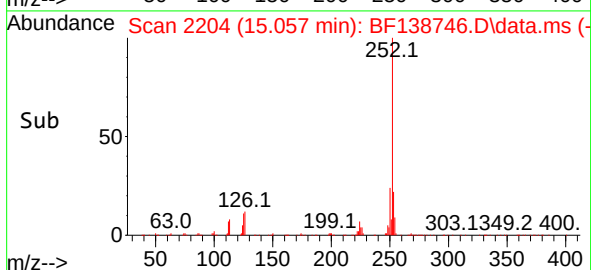
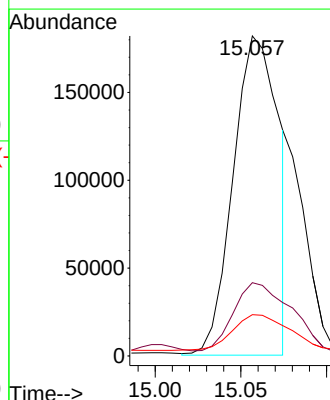
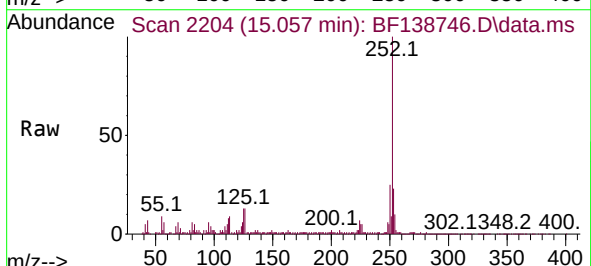
RT: 15.057 min Scan# 2204

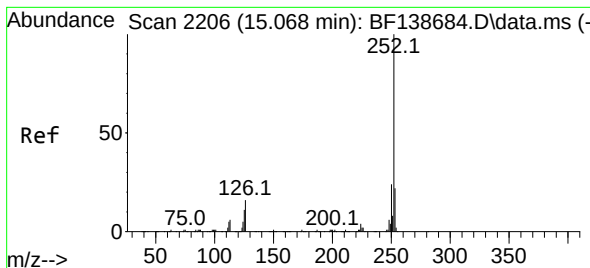
Delta R.T. 0.018 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

Tgt Ion:	252	Resp:	335218
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	12.9	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 15.625 ng m

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

Instrument :

BNA_F

ClientSampleId :

RT3054

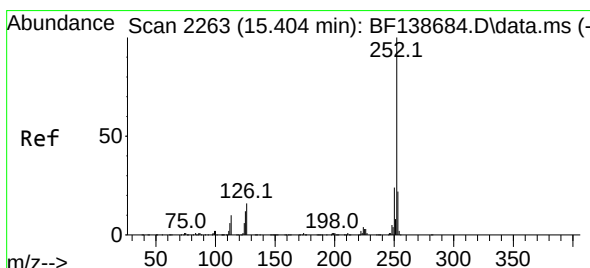
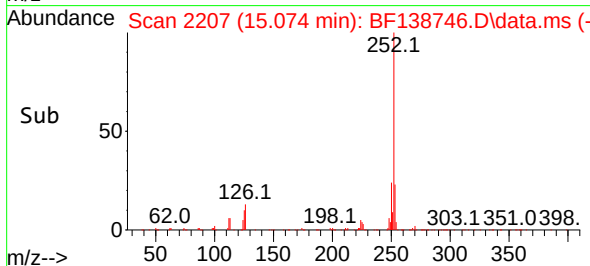
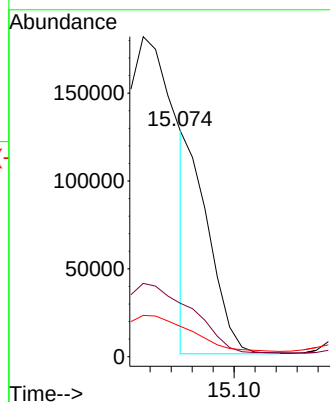
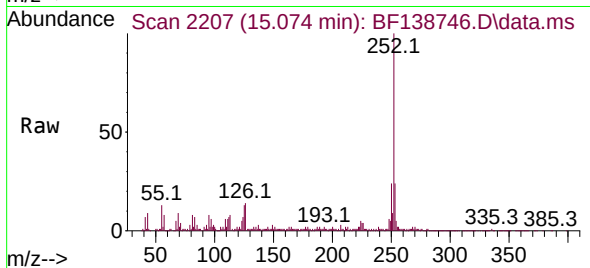
Tgt Ion:252 Resp: 91519
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.0
 125 13.5 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/03/2024



#90

Benzo(a)pyrene

Concen: 39.996 ng

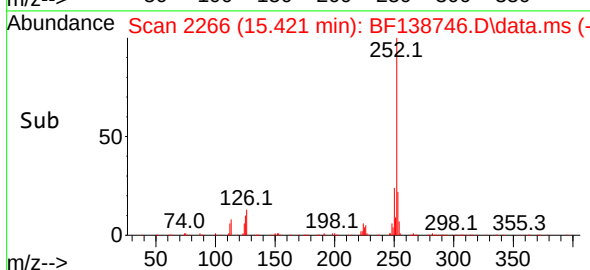
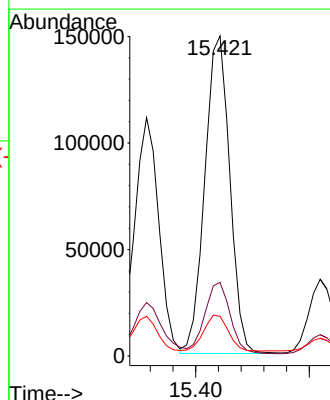
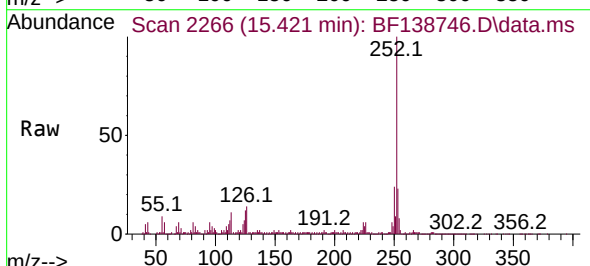
RT: 15.421 min Scan# 2266

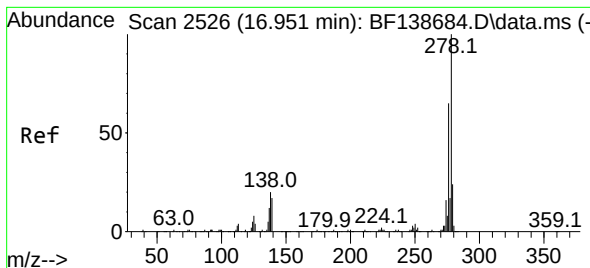
Delta R.T. 0.018 min

Lab File: BF138746.D

Acq: 02 Aug 2024 14:34

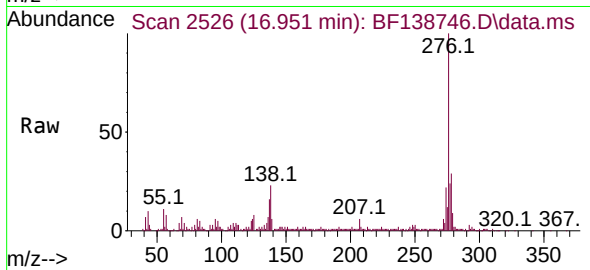
Tgt Ion:252 Resp: 227590
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.3 25.9
 125 12.4 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 4.869 ng m
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

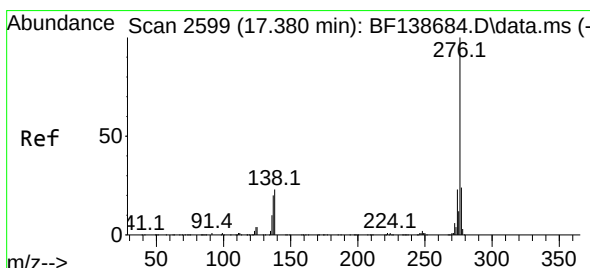
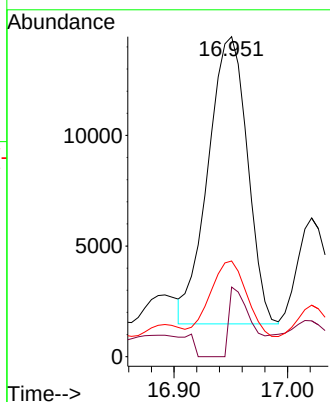
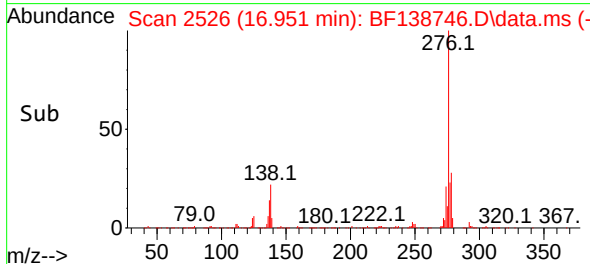
Instrument :
BNA_F
ClientSampleId :
RT3054



Tgt Ion: 278 Resp: 3125
Ion Ratio Lower Upper
278 100
139 21.8 14.0 21.0
279 29.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#92
Benzo(g,h,i)perylene
Concen: 16.822 ng
RT: 17.392 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF138746.D
Acq: 02 Aug 2024 14:34

Tgt Ion: 276 Resp: 112066
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.4
138 23.0 18.5 27.7

