

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136263.D
 Acq On : 28 Nov 2023 22:40
 Operator : CG\JU
 Sample : 05517-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 00:51:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129869	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	516540	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	217209	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	308277	20.000	ng	0.00
76) Chrysene-d12	13.986	240	264370	20.000	ng	0.00
86) Perylene-d12	15.474	264	238160	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	935486	100.259	ng	0.00
7) Phenol-d6	6.439	99	1127002	96.599	ng	0.00
23) Nitrobenzene-d5	7.363	82	682897	69.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	211952	79.814	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1194554	70.246	ng	-0.01
79) Terphenyl-d14	12.927	244	984562	42.958	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	752028	25.902	ng	99
37) 2-Methylnaphthalene	8.792	142	69146	3.797	ng	94
38) 1-Methylnaphthalene	8.892	142	99792	5.617	ng	86
49) Acenaphthylene	9.698	152	86044	4.053	ng	98
52) Acenaphthene	9.869	154	92967	6.930	ng	95
55) Dibenzofuran	10.039	168	97250	4.872	ng	# 95
58) Fluorene	10.386	166	158196	10.103	ng	94
71) Phenanthrene	11.357	178	988294	57.039	ng	99
72) Anthracene	11.404	178	293534	16.894	ng	98
73) Carbazole	11.557	167	55073	3.727	ng	99
75) Fluoranthene	12.557	202	2147135	122.070	ng	98
78) Pyrene	12.786	202	1997888	69.004	ng	99
81) Benzo(a)anthracene	13.980	228	1038682	52.895	ng	98
83) Chrysene	14.015	228	947608	49.980	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	332047	20.290	ng	96
88) Benzo(b)fluoranthene	15.039	252	1170994m	70.082	ng	
89) Benzo(k)fluoranthene	15.062	252	360637m	22.725	ng	
90) Benzo(a)pyrene	15.409	252	785543	57.510	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	75976m	7.730	ng	
92) Benzo(g,h,i)perylene	17.427	276	308699	22.579	ng	99

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

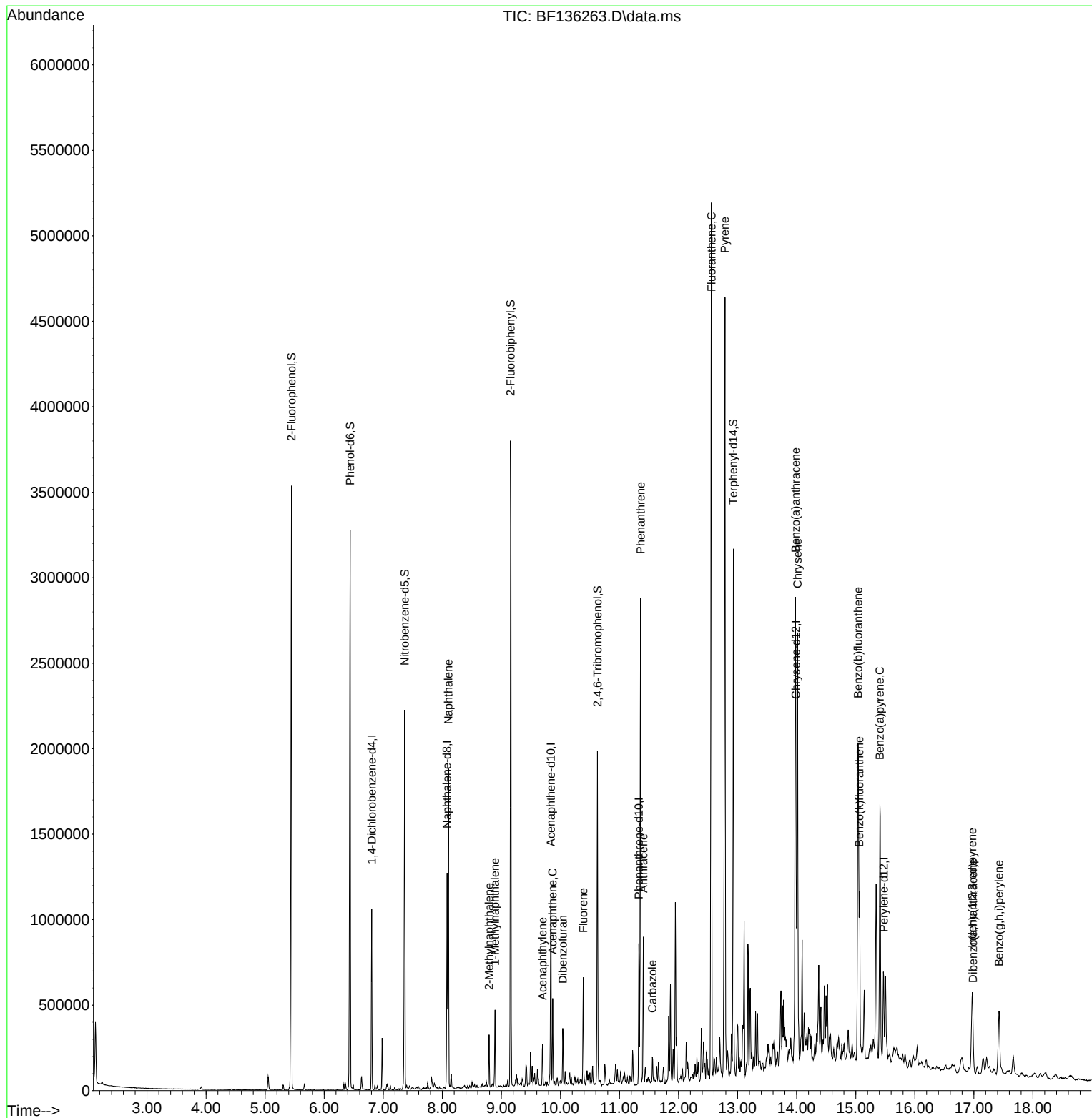
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136263.D
Acq On : 28 Nov 2023 22:40
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Sample : 05517-01
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ALS Vial : 14 Sample Multiplier: 1

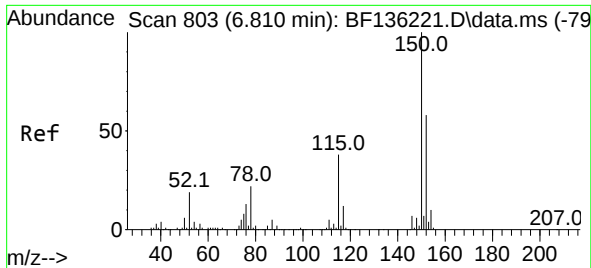
Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Time: Nov 29 00:51:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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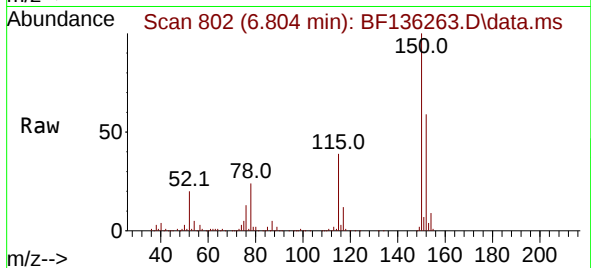
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

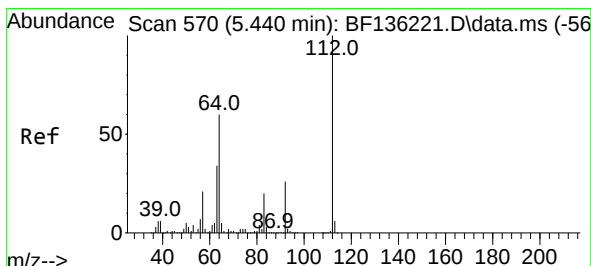
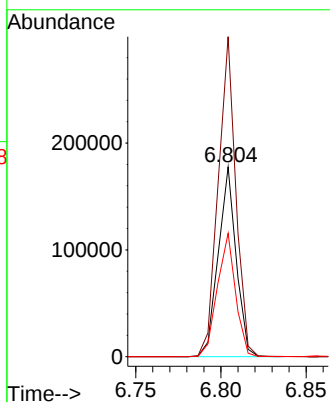
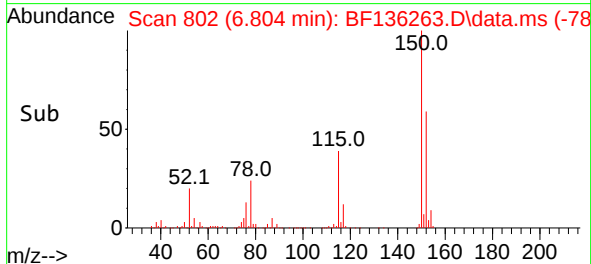
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:152 Resp: 129869
Ion Ratio Lower Upper
152 100
150 168.7 137.8 206.8
115 65.0 52.7 79.1

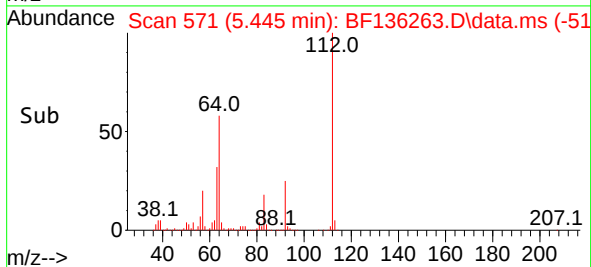
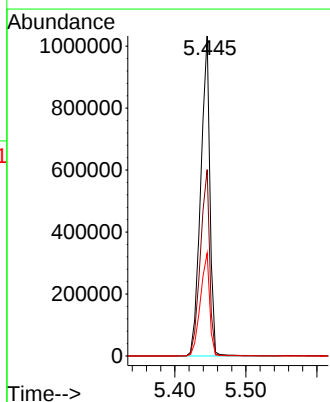
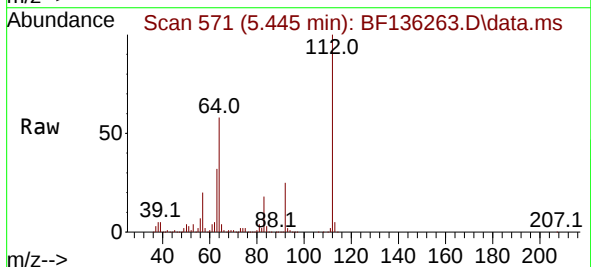
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#5
2-Fluorophenol
Concen: 100.259 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

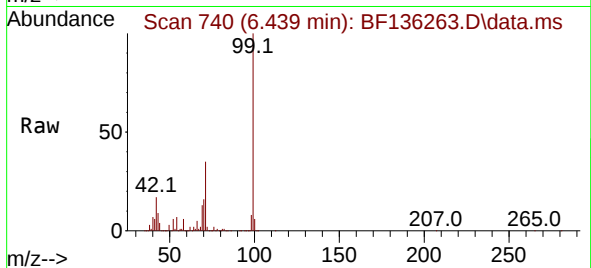
Tgt Ion:112 Resp: 935486
Ion Ratio Lower Upper
112 100
64 58.3 48.2 72.4
63 32.2 27.0 40.6





#7
Phenol-d6
Concen: 96.599 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

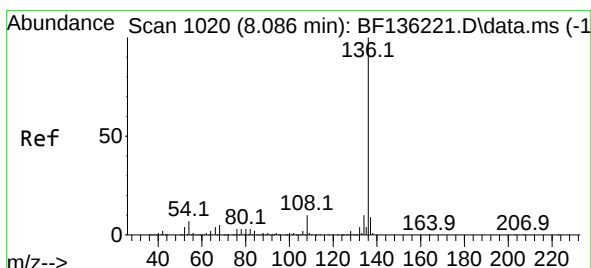
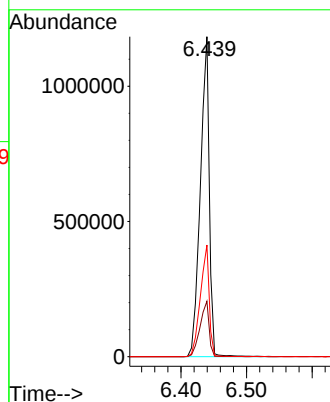
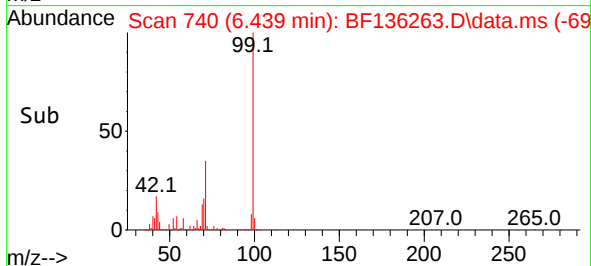
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion: 99 Resp: 1127002
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.6
71 34.9 28.9 43.3

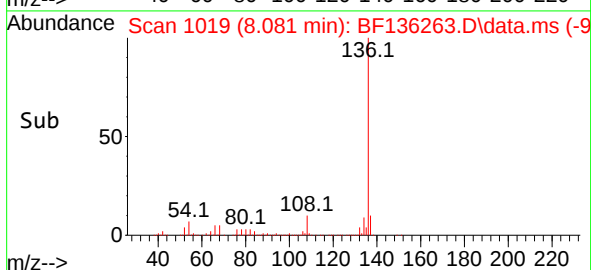
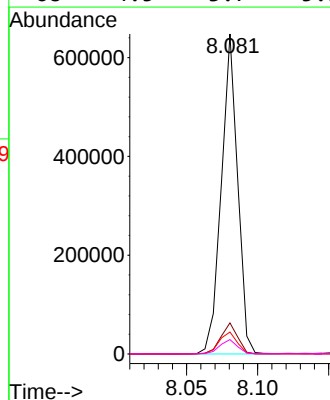
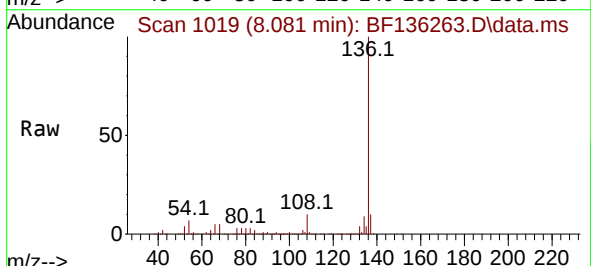
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

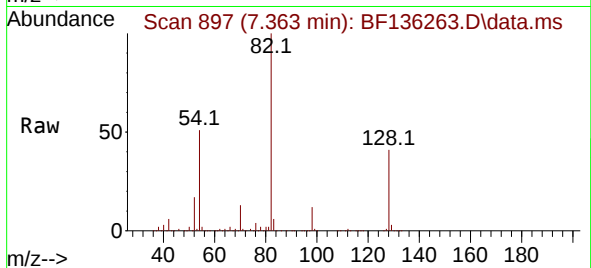
Tgt Ion:136 Resp: 516540
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.2
54 6.9 5.5 8.3
68 4.5 3.7 5.5





#23
Nitrobenzene-d5
Concen: 69.862 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

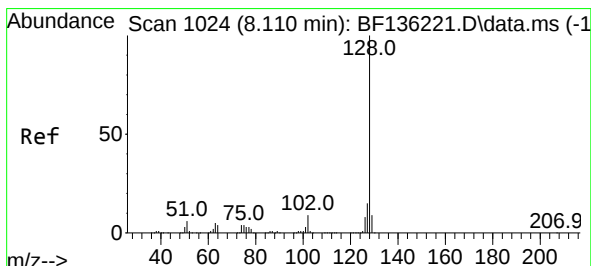
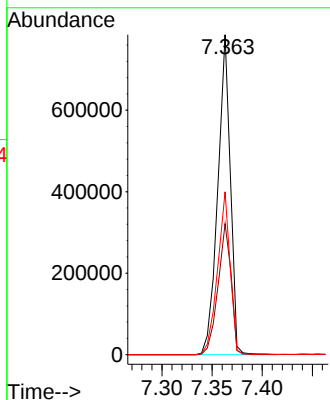
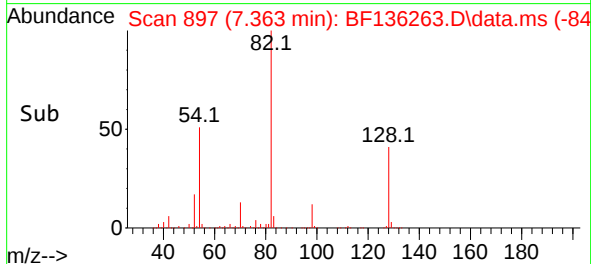
Instrument :
BNA_F
ClientSampleId :
TP-A



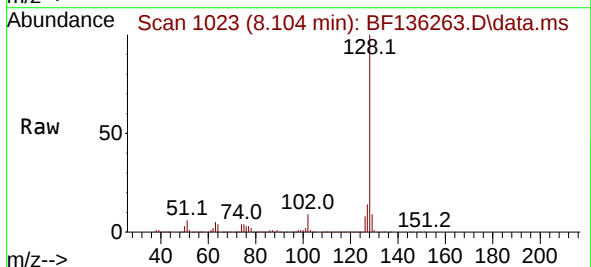
Tgt Ion: 82 Resp: 682897
Ion Ratio Lower Upper
82 100
128 41.0 33.4 50.2
54 50.9 41.7 62.5

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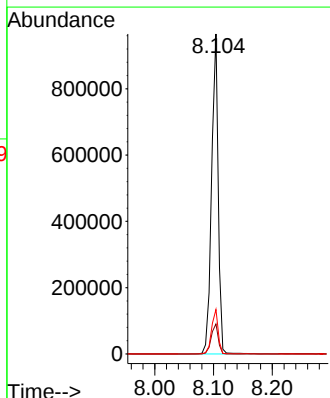
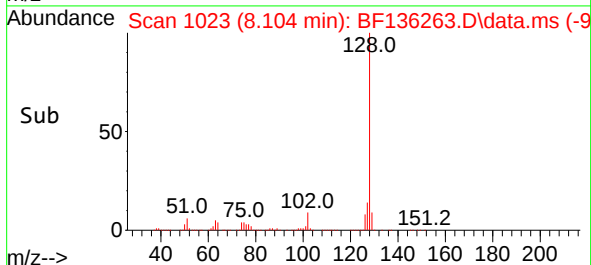
Reviewed By :Yogesh Patel 11/29/2023
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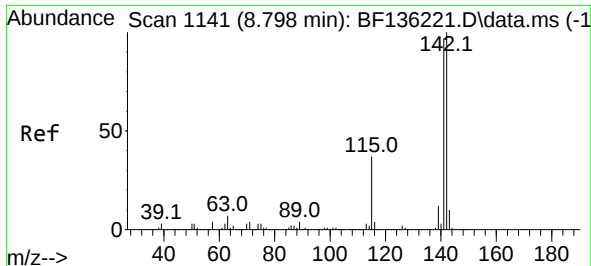


#31
Naphthalene
Concen: 25.902 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40



Tgt Ion:128 Resp: 752028
Ion Ratio Lower Upper
128 100
129 9.4 7.3 10.9
127 13.9 11.8 17.6





#37

2-Methylnaphthalene

Concen: 3.797 ng

RT: 8.792 min Scan# 1140

Delta R.T. -0.006 min

Lab File: BF136263.D

Acq: 28 Nov 2023 22:40

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion:142 Resp: 69140

Ion Ratio Lower Upper

142 100

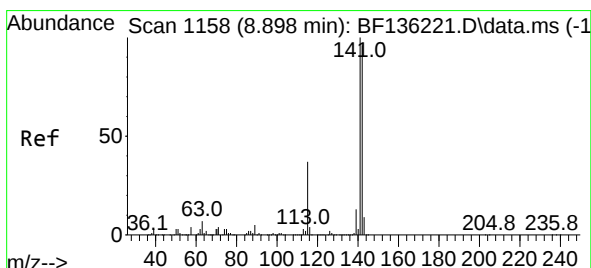
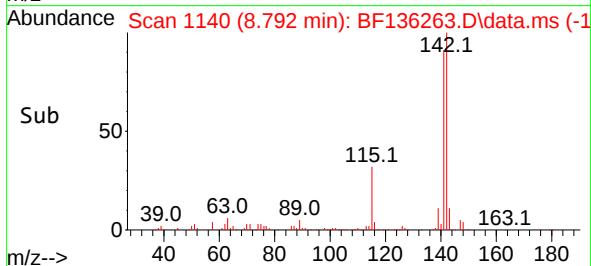
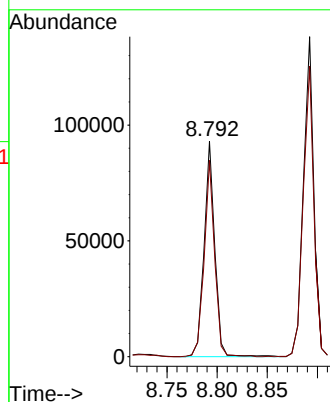
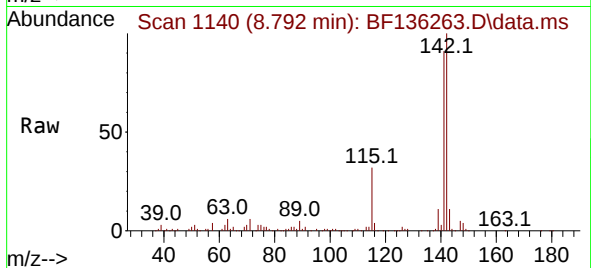
141 91.1 77.8 116.8

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 5.617 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136263.D

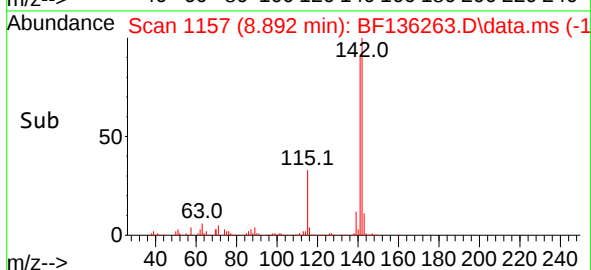
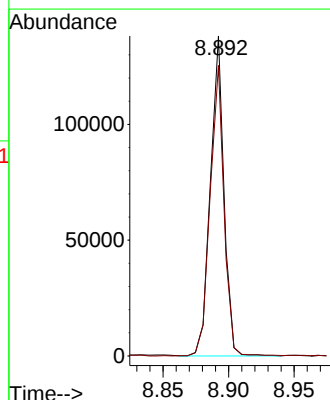
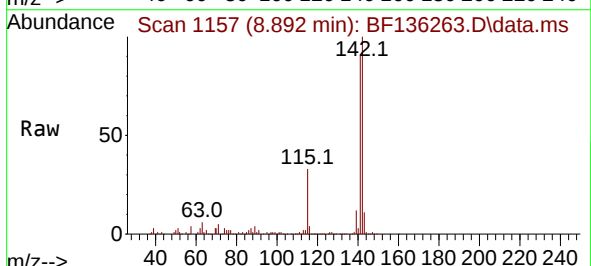
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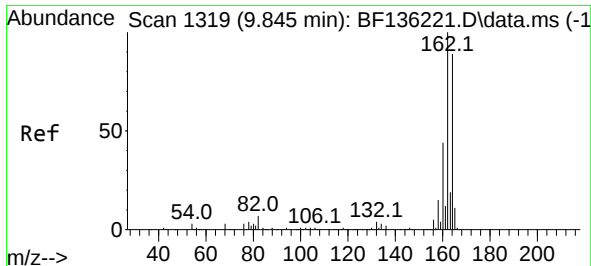
Tgt Ion:142 Resp: 99792

Ion Ratio Lower Upper

142 100

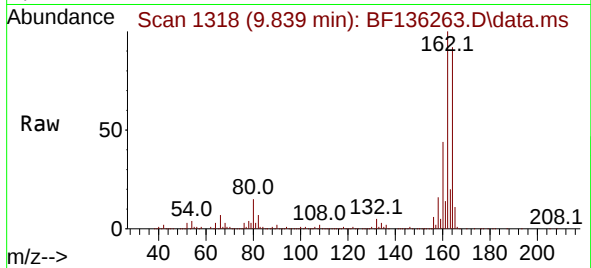
141 90.8 83.8 125.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

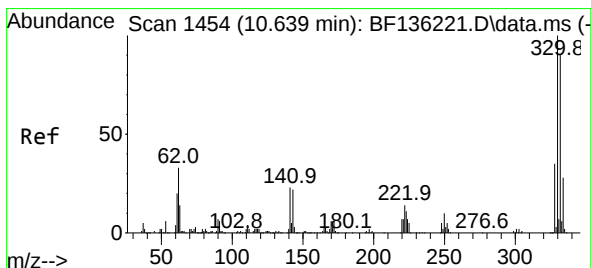
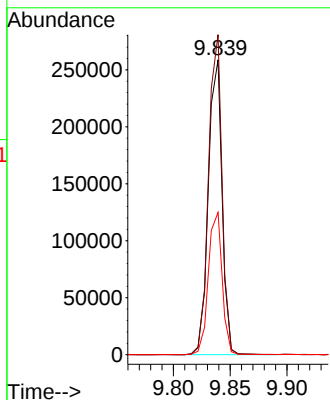
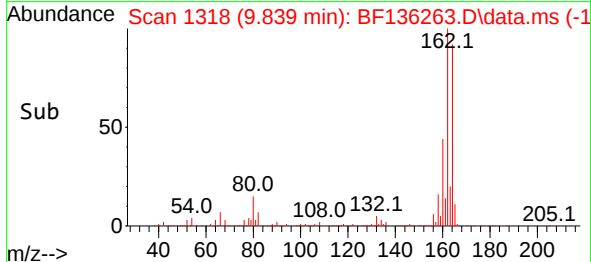
Instrument :
BNA_F
ClientSampleId :
TP-A



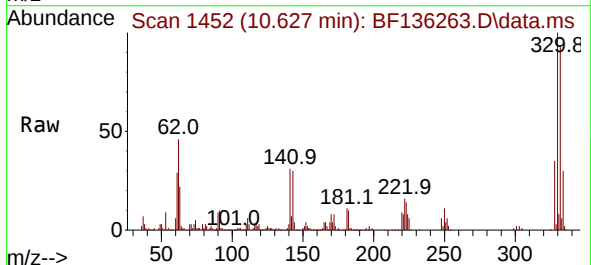
Tgt Ion:164 Resp: 217209
Ion Ratio Lower Upper
164 100
162 108.5 89.5 134.3
160 48.2 39.6 59.4

Manual Integrations
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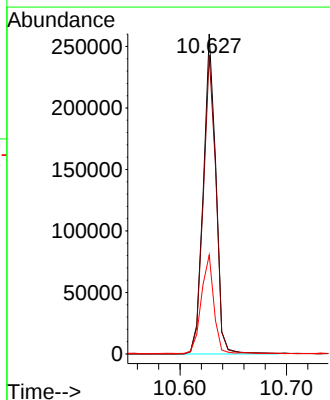
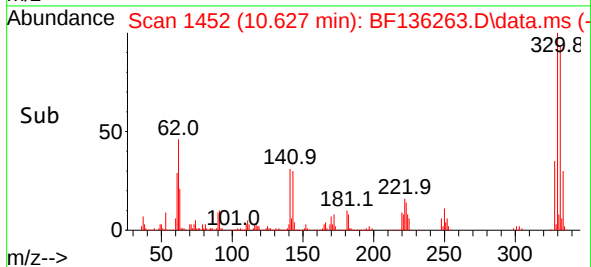
Reviewed By :Yogesh Patel 11/29/2023
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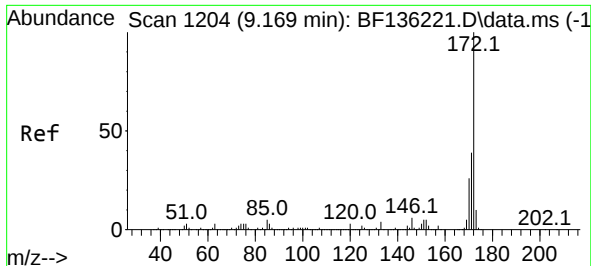


#42
2,4,6-Tribromophenol
Concen: 79.814 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40



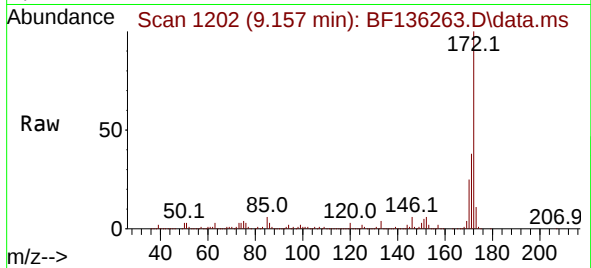
Tgt Ion:330 Resp: 211952
Ion Ratio Lower Upper
330 100
332 95.2 73.0 109.6
141 31.0 24.2 36.2





#45
2-Fluorobiphenyl
Concen: 70.246 ng
RT: 9.157 min Scan# 1194554
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

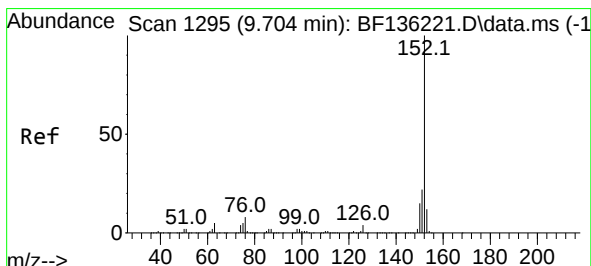
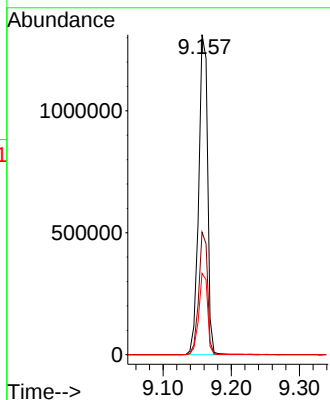
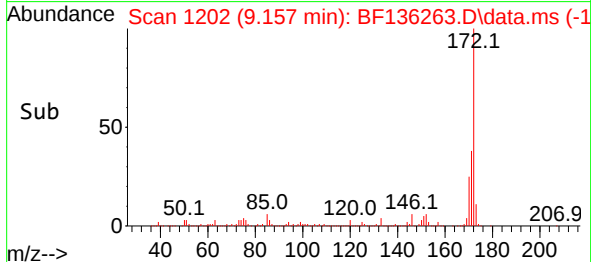
Instrument :
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Tgt Ion:172 Resp: 1194554
Ion Ratio Lower Upper
172 100
171 38.3 31.5 47.3
170 25.4 20.8 31.2

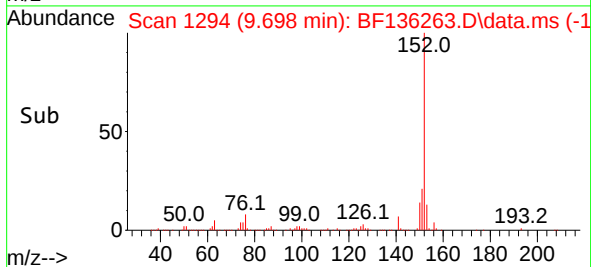
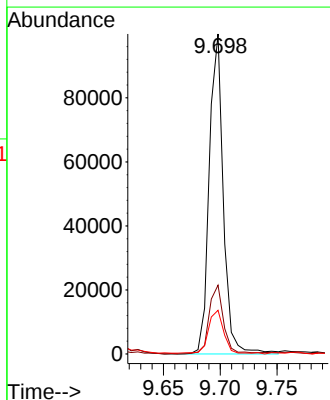
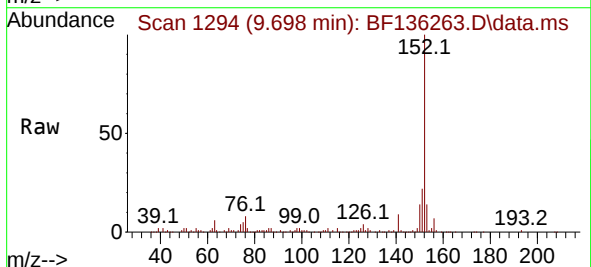
Manual Integrations
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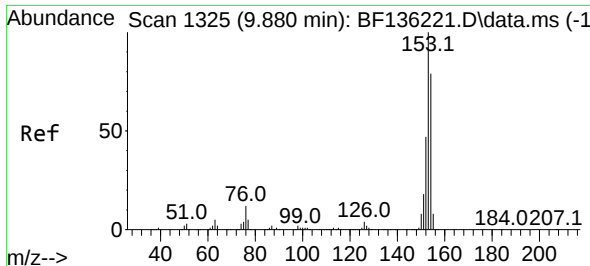
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#49
Acenaphthylene
Concen: 4.053 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

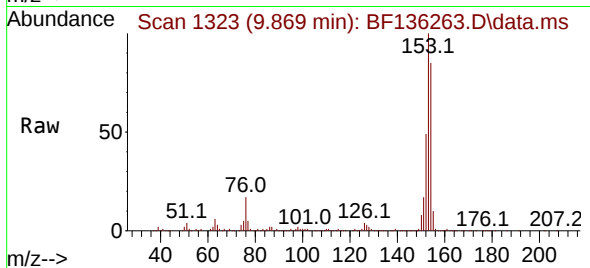
Tgt Ion:152 Resp: 86044
Ion Ratio Lower Upper
152 100
151 21.5 17.5 26.3
153 13.6 9.6 14.4





#52
Acenaphthene
Concen: 6.930 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

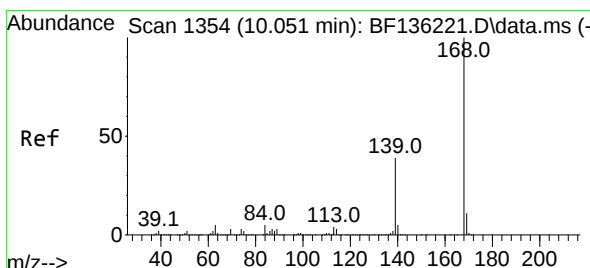
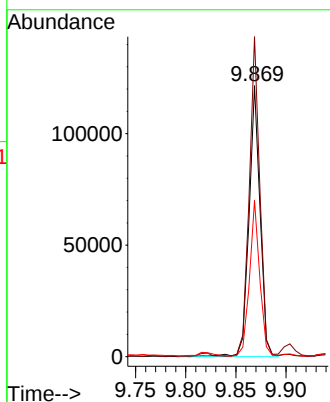
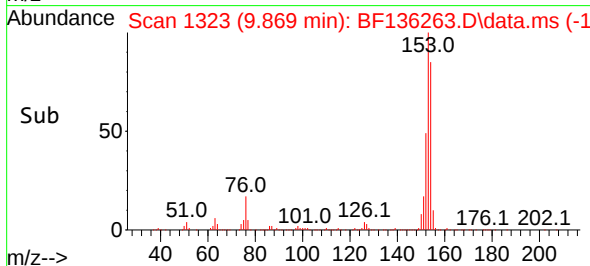
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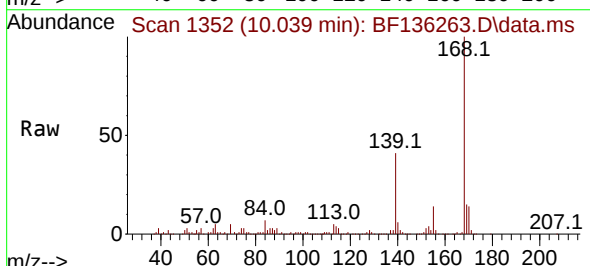
Tgt Ion:154 Resp: 9296
Ion Ratio Lower Upper
154 100
153 118.1 100.8 151.2
152 57.6 47.0 70.6

Manual Integrations
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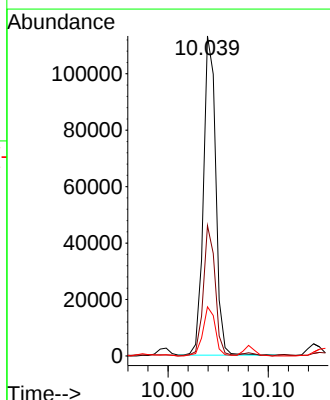
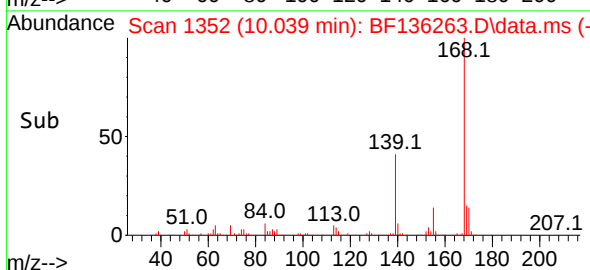
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

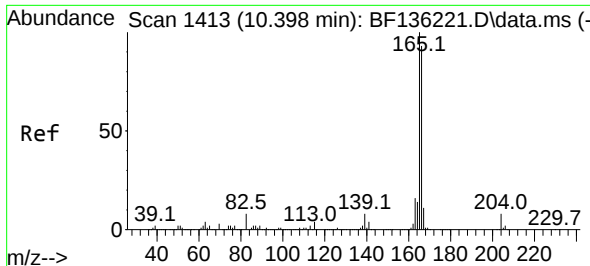


#55
Dibenzofuran
Concen: 4.872 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40



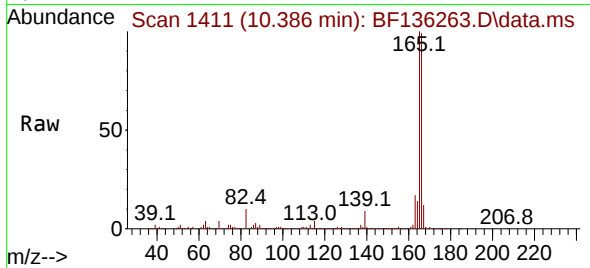
Tgt Ion:168 Resp: 97250
Ion Ratio Lower Upper
168 100
139 40.7 30.9 46.3
169 15.4 9.1 13.7#





#58
Fluorene
Concen: 10.103 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

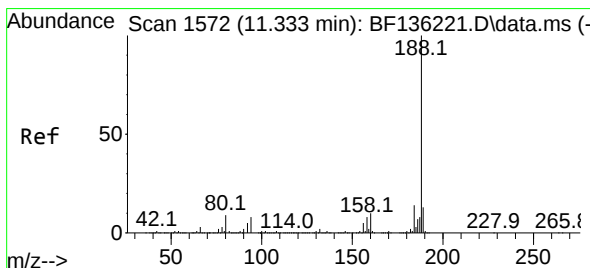
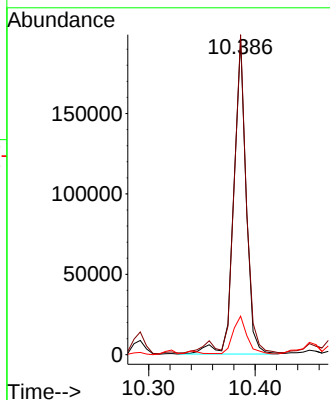
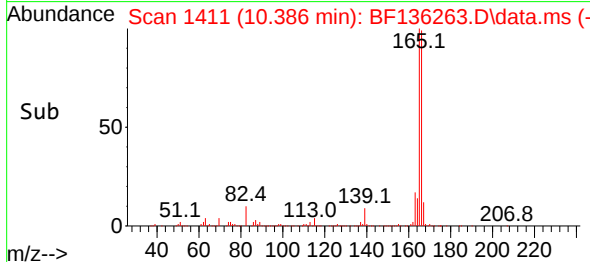
Instrument :
BNA_F
ClientSampleId :
TP-A



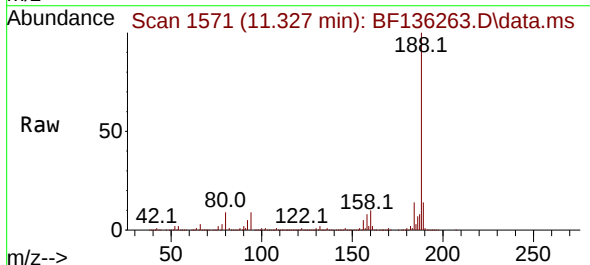
Tgt Ion:166 Resp: 158190
Ion Ratio Lower Upper
166 100
165 101.5 86.2 129.4
167 12.2 9.1 13.7

Manual Integrations
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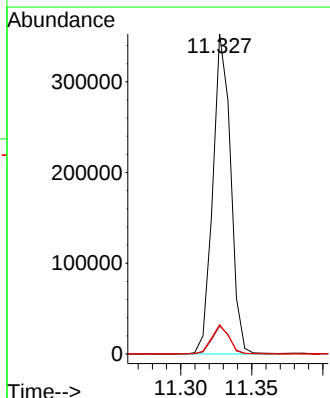
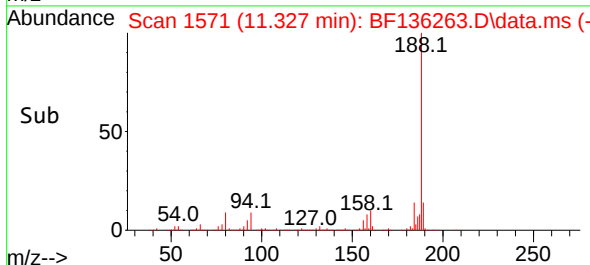
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

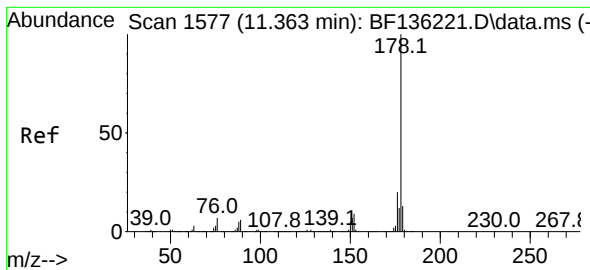


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40



Tgt Ion:188 Resp: 308277
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.2 7.2 10.8





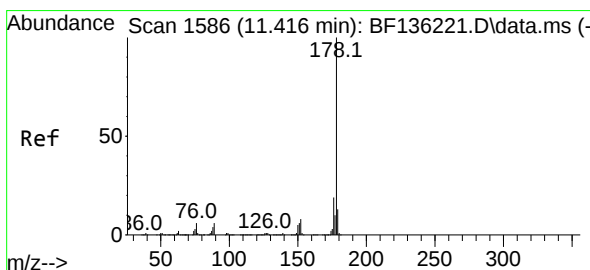
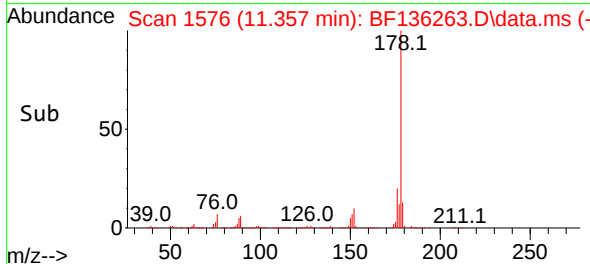
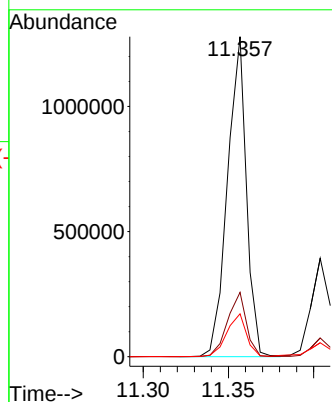
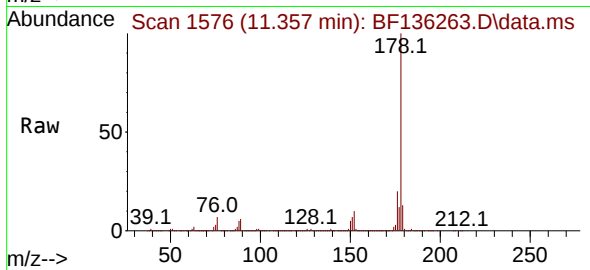
#71
Phenanthrene
Concen: 57.039 ng
RT: 11.357 min Scan# 11357
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:178 Resp: 988294
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 13.4 10.3 15.5

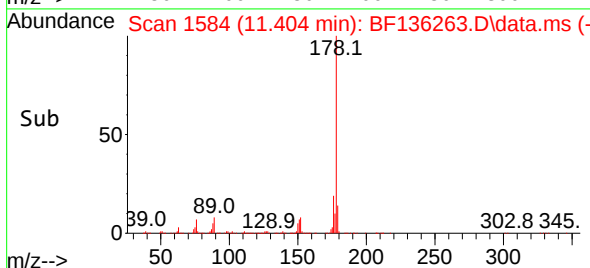
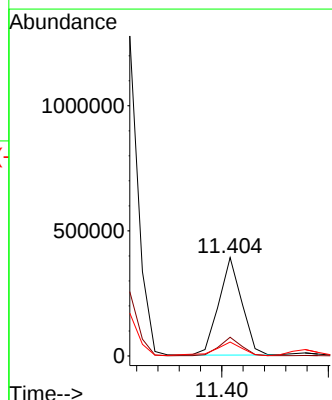
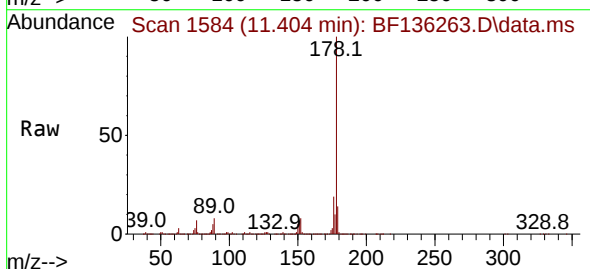
Manual Integrations
APPROVED

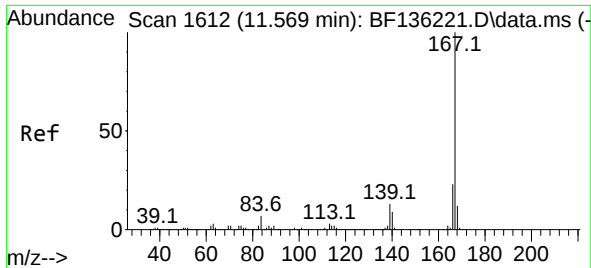
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#72
Anthracene
Concen: 16.894 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

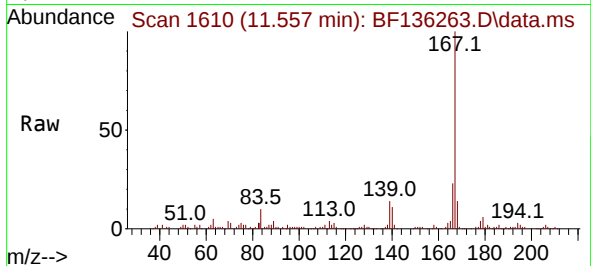
Tgt Ion:178 Resp: 293534
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.2 10.5 15.7





#73
 Carbazole
 Concen: 3.727 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF136263.D
 Acq: 28 Nov 2023 22:40

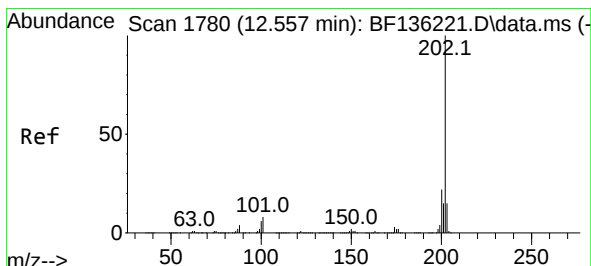
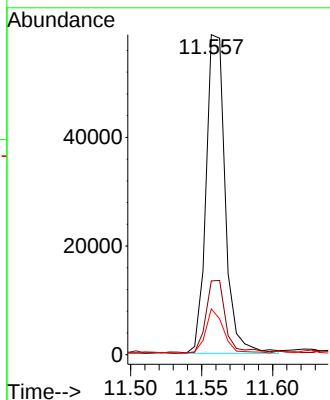
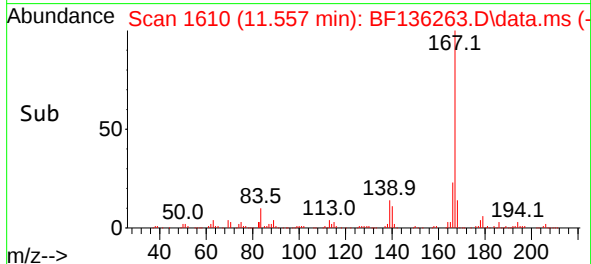
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



Tgt Ion:167 Resp: 5507
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.4 27.6
 139 14.3 10.5 15.7

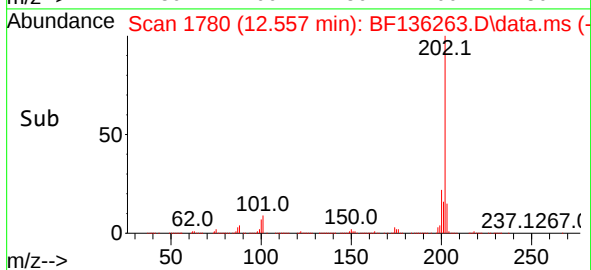
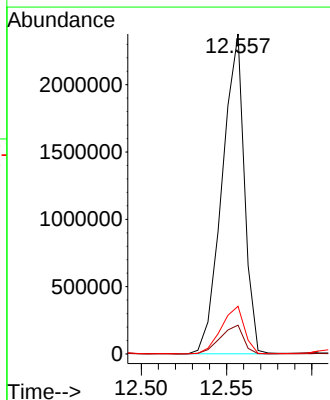
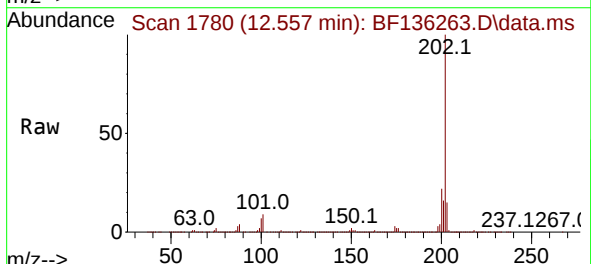
Manual Integrations
 APPROVED

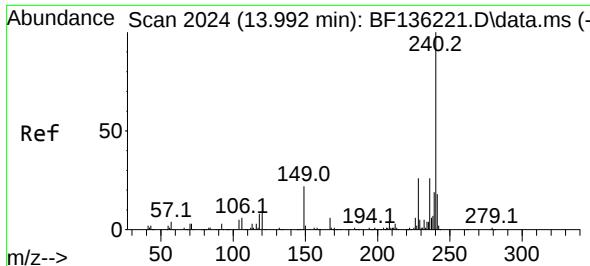
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023



#75
 Fluoranthene
 Concen: 122.070 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: BF136263.D
 Acq: 28 Nov 2023 22:40

Tgt Ion:202 Resp: 2147135
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.8
 203 14.9 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Instrument :

BNA_F

ClientSampleId :

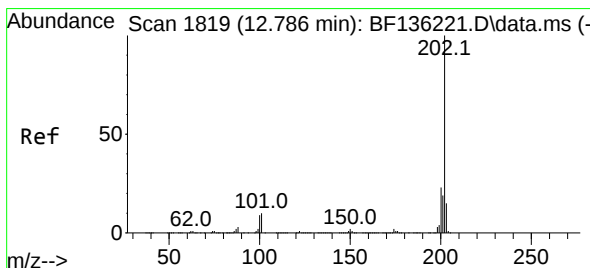
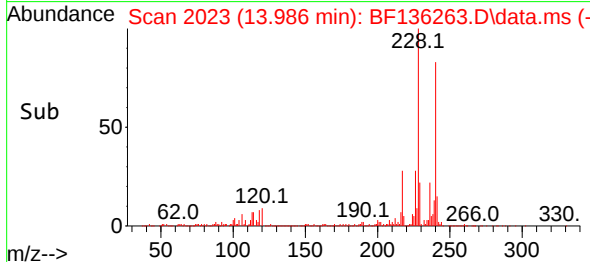
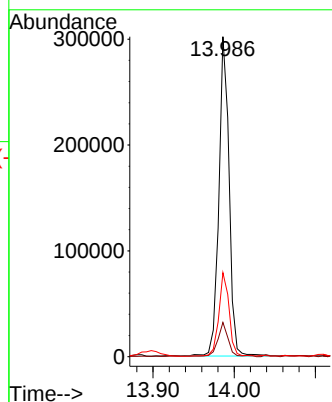
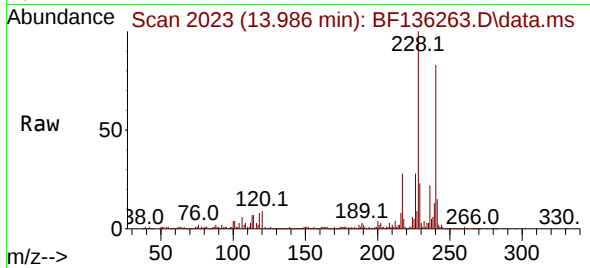
TP-A

Tgt Ion:240 Resp: 264370
Ion Ratio Lower Upper
240 100
120 10.7 7.4 11.2
236 26.2 21.1 31.7

Manual Integrations

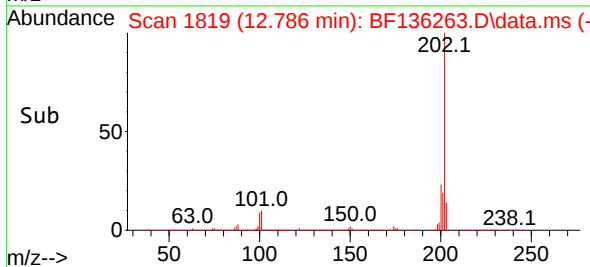
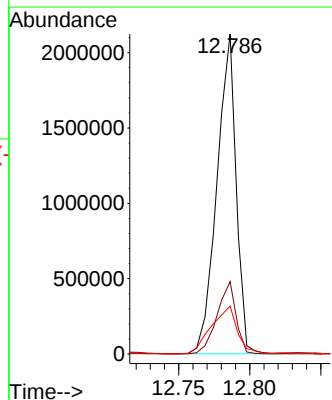
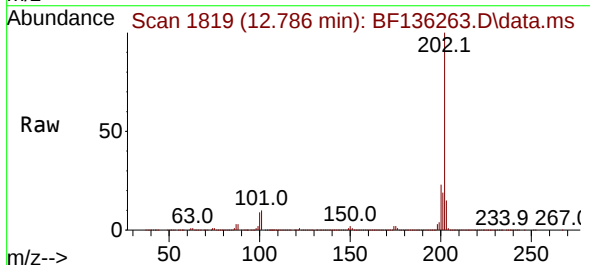
APPROVED

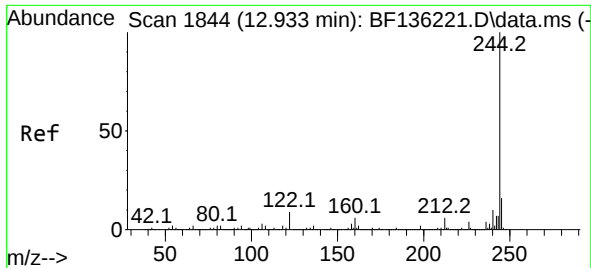
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#78
Pyrene
Concen: 69.004 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

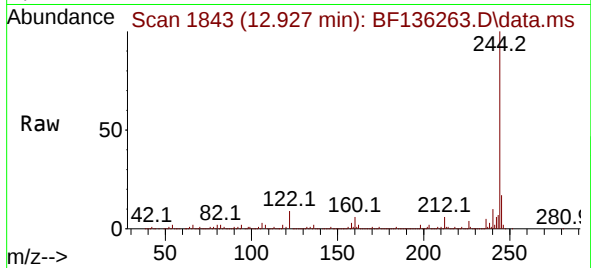
Tgt Ion:202 Resp: 1997888
Ion Ratio Lower Upper
202 100
200 22.6 18.4 27.6
203 15.0 11.8 17.6





#79
 Terphenyl-d14
 Concen: 42.958 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136263.D
 Acq: 28 Nov 2023 22:40

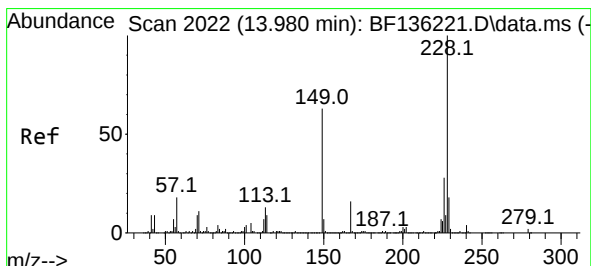
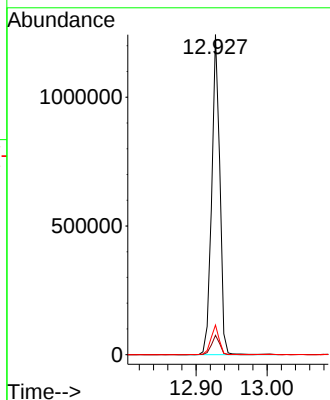
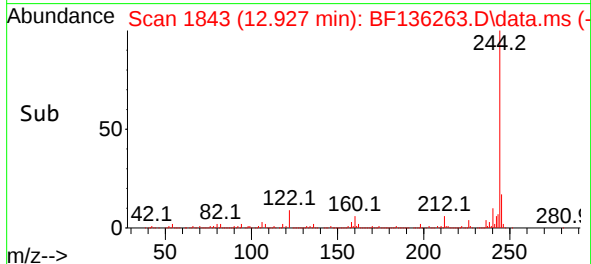
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



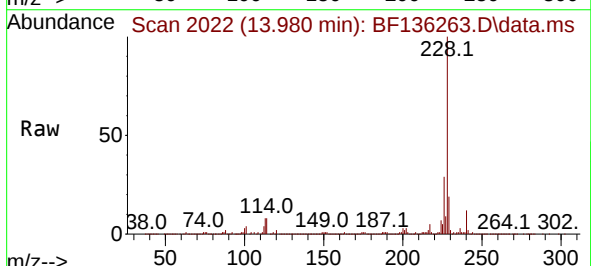
Tgt Ion:244 Resp: 984562
 Ion Ratio Lower Upper
 244 100
 212 6.0 4.6 7.0
 122 9.3 7.3 10.9

Manual Integrations
 APPROVED

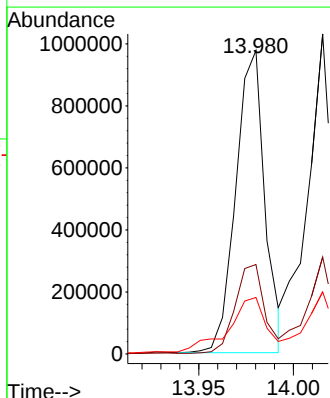
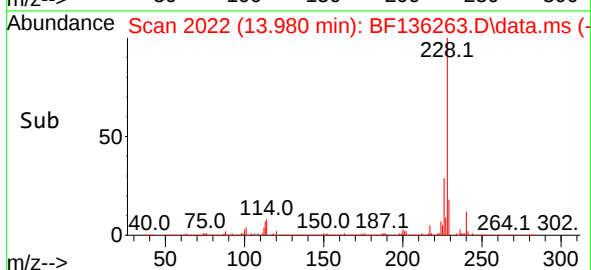
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

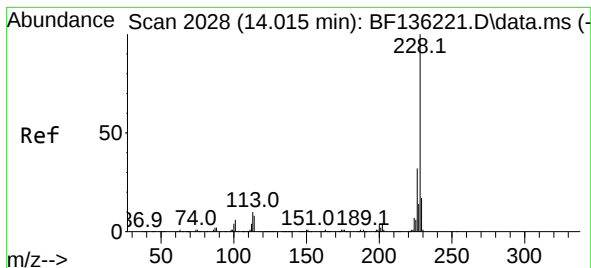


#81
 Benzo(a)anthracene
 Concen: 52.895 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.000 min
 Lab File: BF136263.D
 Acq: 28 Nov 2023 22:40



Tgt Ion:228 Resp: 1038682
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 34.0
 229 18.6 14.0 21.0





#83

Chrysene

Concen: 49.980 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136263.D

Acq: 28 Nov 2023 22:40

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion:228 Resp: 947608

Ion Ratio Lower Upper

228 100

226 30.3 25.5 38.3

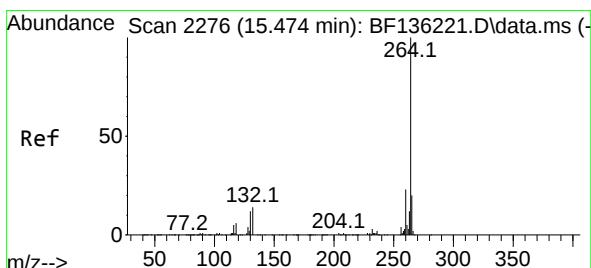
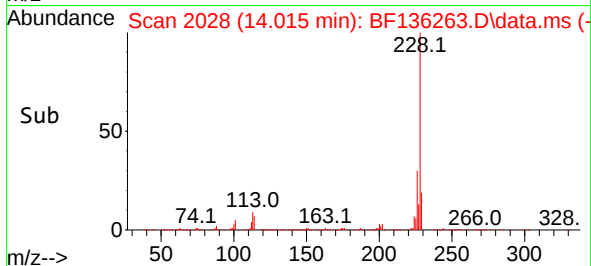
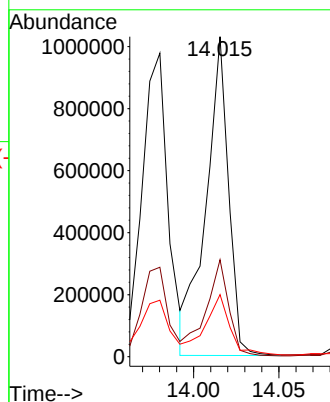
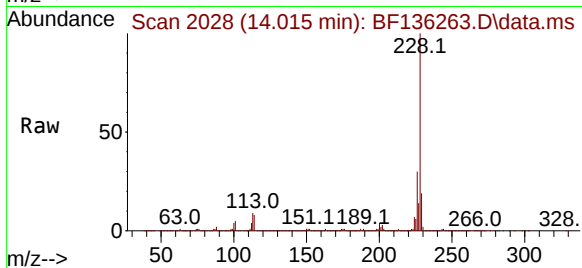
229 19.4 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF136263.D

Acq: 28 Nov 2023 22:40

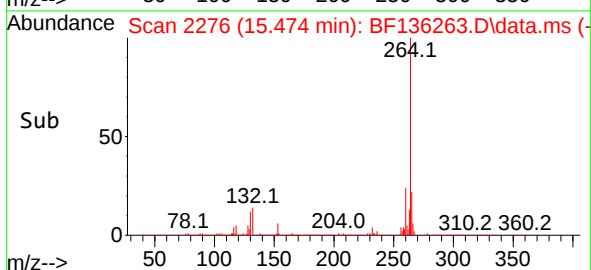
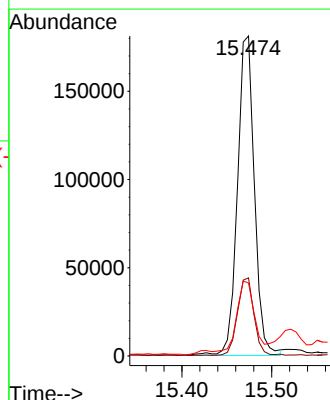
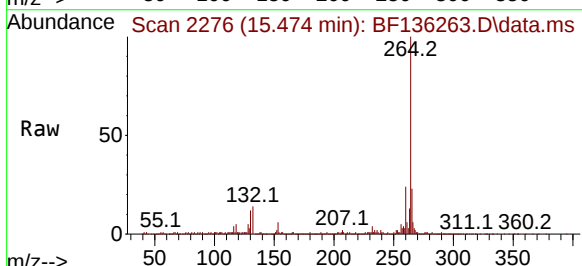
Tgt Ion:264 Resp: 238160

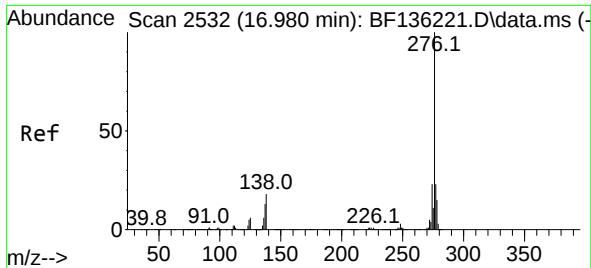
Ion Ratio Lower Upper

264 100

260 24.4 18.6 27.8

265 22.8 15.7 23.5





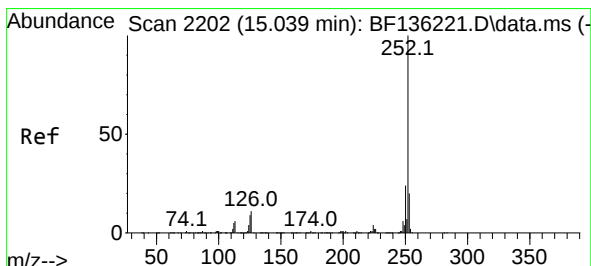
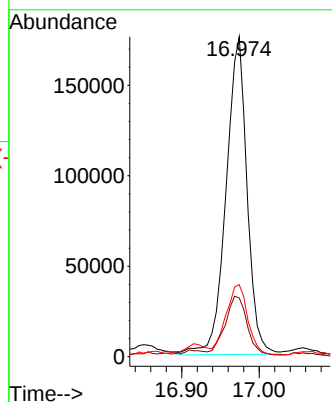
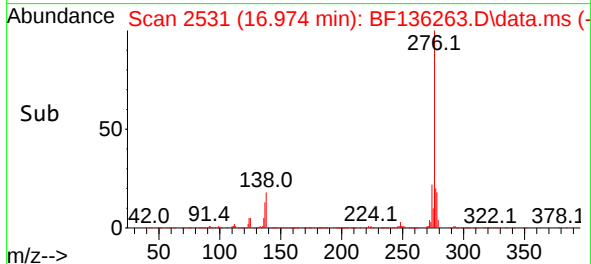
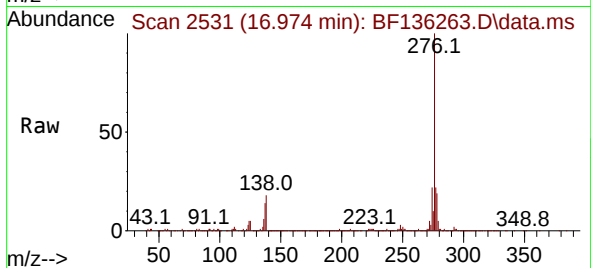
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.290 ng
RT: 16.974 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:276 Resp: 33204
Ion Ratio Lower Upper
276 100
138 19.5 17.7 26.5
277 23.1 19.6 29.4

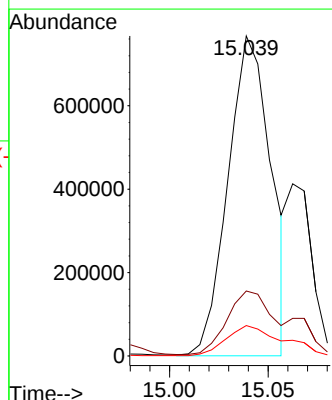
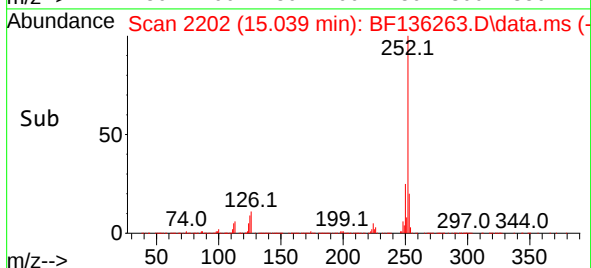
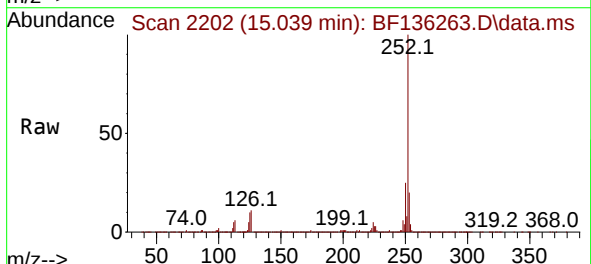
Manual Integrations
APPROVED

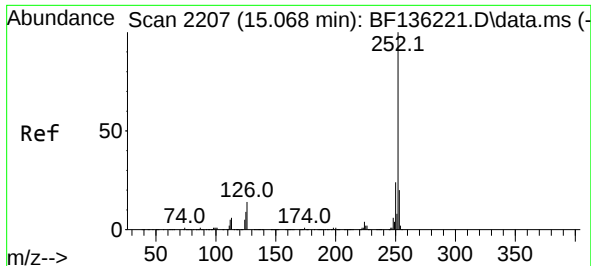
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#88
Benzo(b)fluoranthene
Concen: 70.082 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Tgt Ion:252 Resp: 1170994
Ion Ratio Lower Upper
252 100
253 20.3 16.2 24.2
125 9.5 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 22.725 ng m

RT: 15.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136263.D

Acq: 28 Nov 2023 22:40

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion:252 Resp: 36063

Ion Ratio Lower Upper

252 100

253 21.8 15.6 23.4

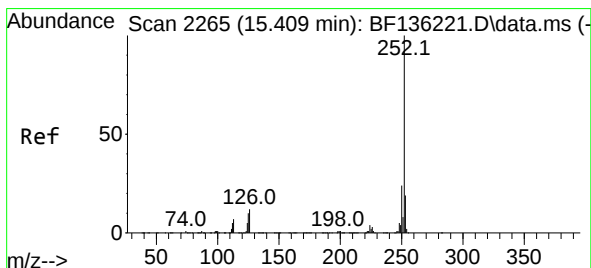
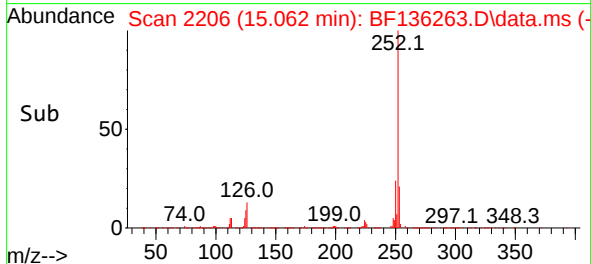
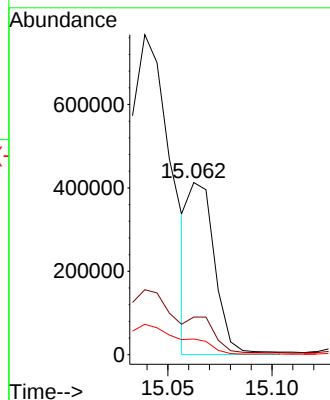
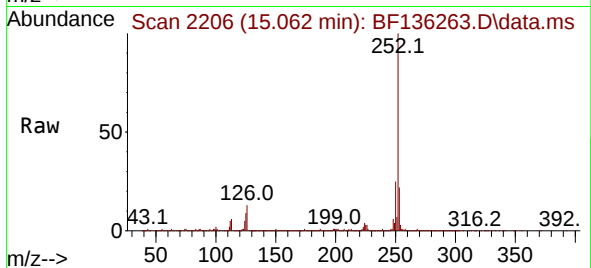
125 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#90

Benzo(a)pyrene

Concen: 57.510 ng

RT: 15.409 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF136263.D

Acq: 28 Nov 2023 22:40

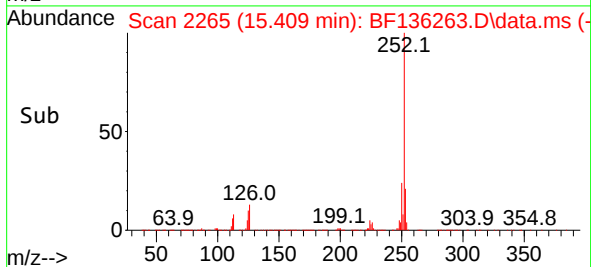
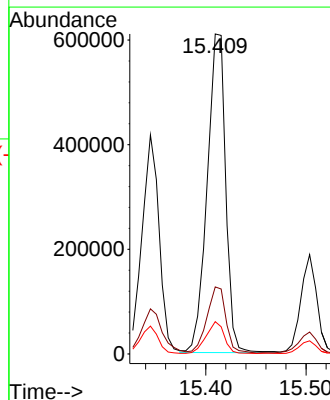
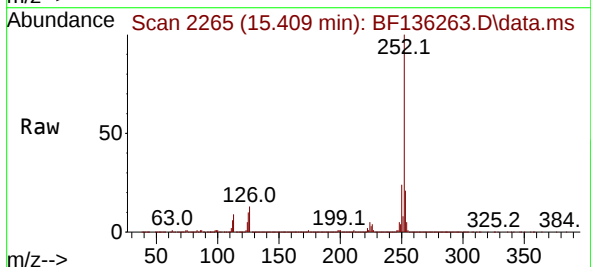
Tgt Ion:252 Resp: 785543

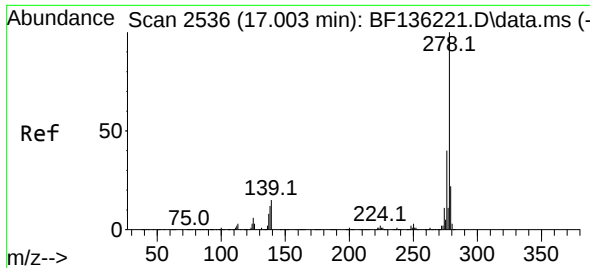
Ion Ratio Lower Upper

252 100

253 20.9 15.5 23.3

125 10.1 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 7.730 ng m
RT: 16.986 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Instrument :

BNA_F

ClientSampleId :

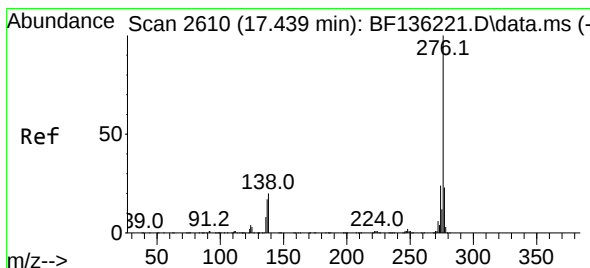
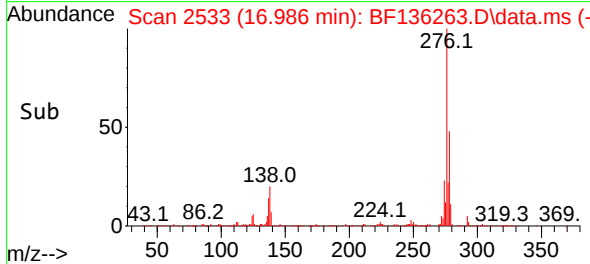
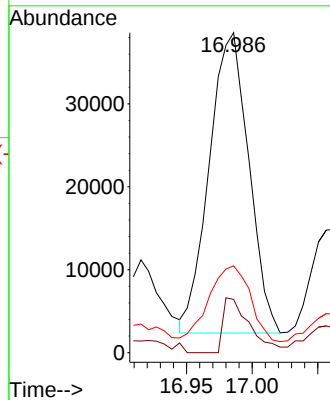
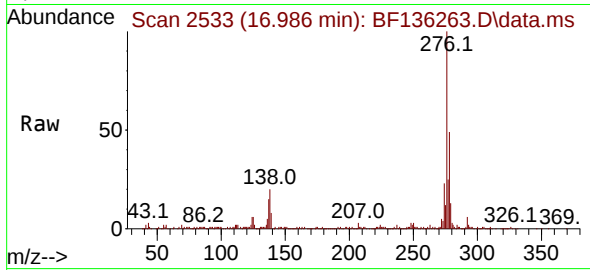
TP-A

Tgt Ion:278 Resp: 75970
Ion Ratio Lower Upper
278 100
139 16.6 11.7 17.5
279 27.1 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#92
Benzo(g,h,i)perylene
Concen: 22.579 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF136263.D
Acq: 28 Nov 2023 22:40

Tgt Ion:276 Resp: 308699
Ion Ratio Lower Upper
276 100
277 23.1 18.6 27.8
138 19.2 15.8 23.8

