

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136256.D
 Acq On : 28 Nov 2023 18:57
 Operator : CG\JU
 Sample : 05492-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 00:48:16 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	139654	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	562567	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	256138	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	360003	20.000	ng	0.00
76) Chrysene-d12	13.986	240	252565	20.000	ng	0.00
86) Perylene-d12	15.469	264	281990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	897518	89.450	ng	0.00
7) Phenol-d6	6.440	99	1109557	88.440	ng	0.00
23) Nitrobenzene-d5	7.363	82	672541	63.173	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	227884	72.771	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1356402	67.641	ng	-0.01
79) Terphenyl-d14	12.928	244	961363	43.906	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.098	128	68247	2.158	ng	# 95
49) Acenaphthylene	9.692	152	77010	3.076	ng	96
52) Acenaphthene	9.869	154	121774	7.698	ng	98
55) Dibenzofuran	10.039	168	83104	3.530	ng	# 97
58) Fluorene	10.386	166	142273	7.705	ng	97
71) Phenanthrene	11.357	178	1721305	85.071	ng	99
72) Anthracene	11.404	178	419615	20.680	ng	98
73) Carbazole	11.557	167	147822	8.566	ng	99
75) Fluoranthene	12.557	202	2343104	114.071	ng	100
78) Pyrene	12.786	202	1910411	69.067	ng	99
81) Benzo(a)anthracene	13.974	228	1176932	62.737	ng	97
83) Chrysene	14.016	228	974962	53.826	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	327037	17.329	ng	96
88) Benzo(b)fluoranthene	15.039	252	1347676m	68.120	ng	
89) Benzo(k)fluoranthene	15.063	252	374947m	19.955	ng	
90) Benzo(a)pyrene	15.410	252	867940	53.666	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	83069m	7.346	ng	
92) Benzo(g,h,i)perylene	17.421	276	277262	17.587	ng	99

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

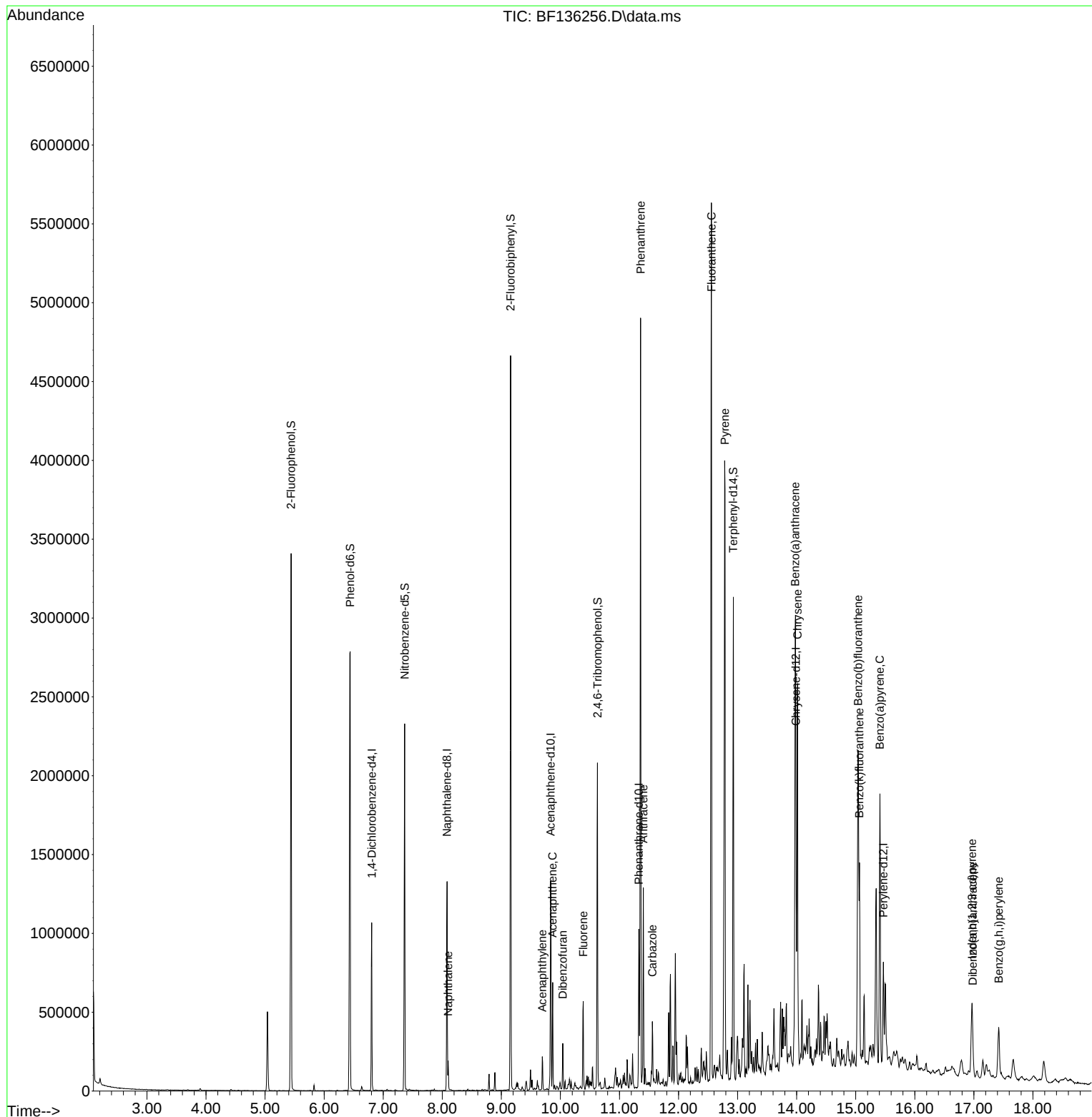
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136256.D
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ALS Vial : 7 Sample Multiplier: 1

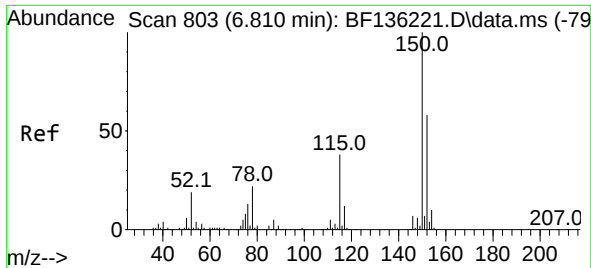
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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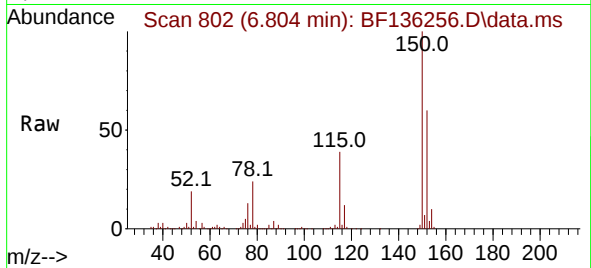
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

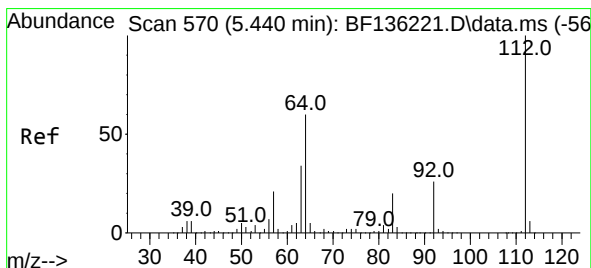
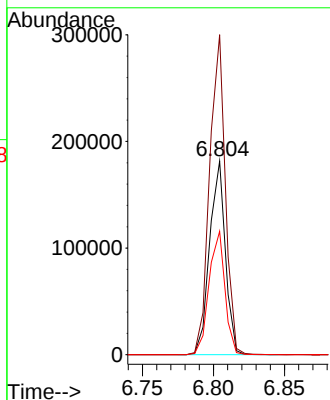
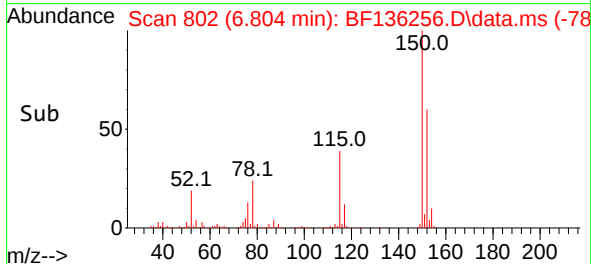
Instrument :
BNA_F
Client SampleId :
TP-13



Tgt Ion:152 Resp: 139654
Ion Ratio Lower Upper
152 100
150 165.3 137.8 206.8
115 63.7 52.7 79.1

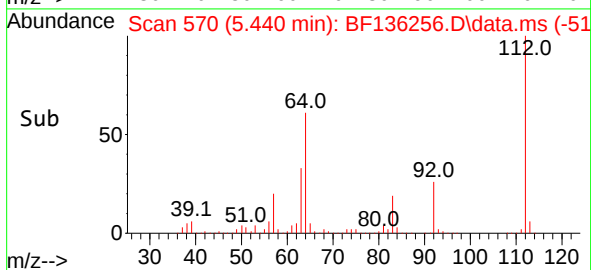
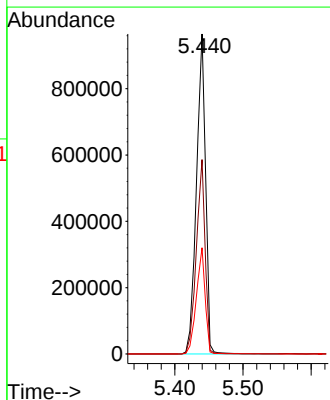
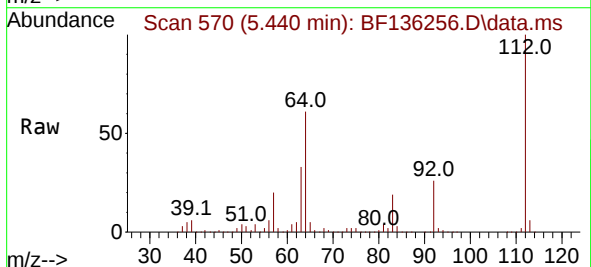
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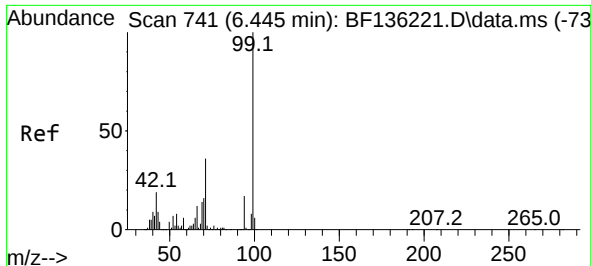
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#5
2-Fluorophenol
Concen: 89.450 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

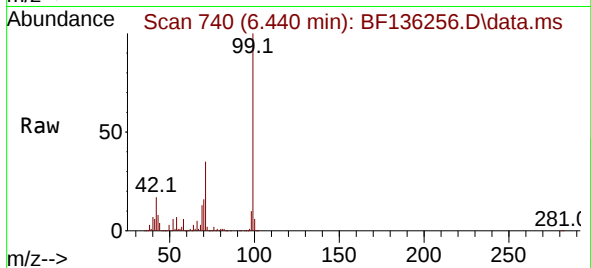
Tgt Ion:112 Resp: 897518
Ion Ratio Lower Upper
112 100
64 60.7 48.2 72.4
63 33.2 27.0 40.6





#7
Phenol-d6
Concen: 88.440 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

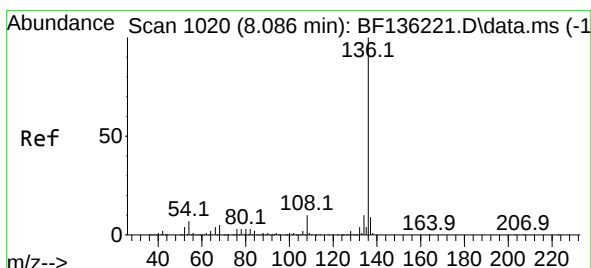
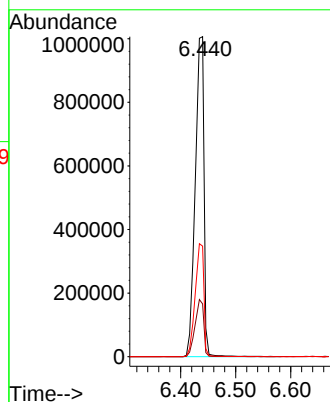
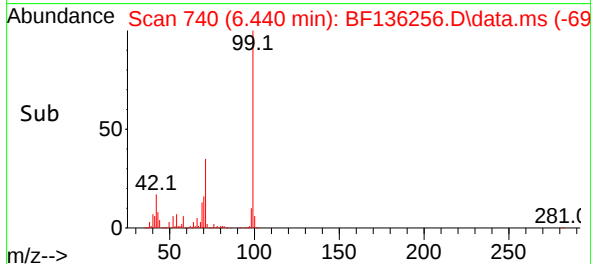
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion: 99 Resp: 110955
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.6 28.9 43.3

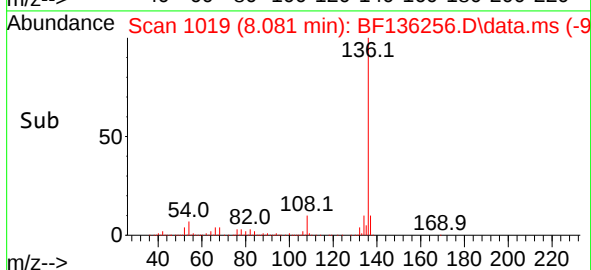
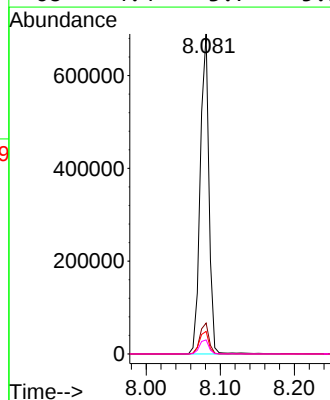
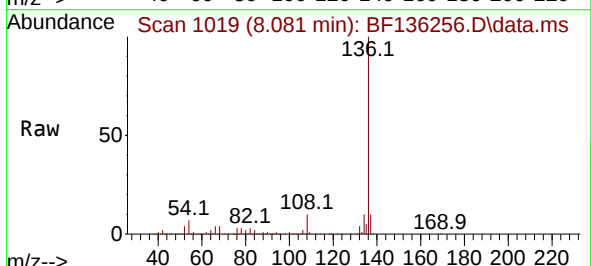
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

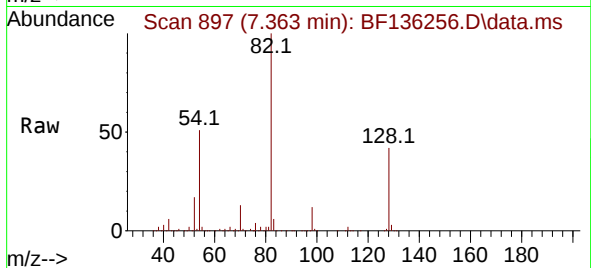
Tgt Ion:136 Resp: 562567
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.2
54 7.0 5.5 8.3
68 4.4 3.7 5.5





#23
Nitrobenzene-d5
Concen: 63.173 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

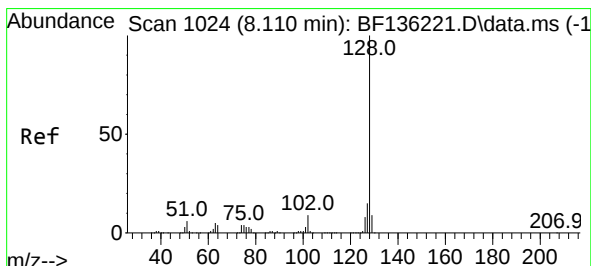
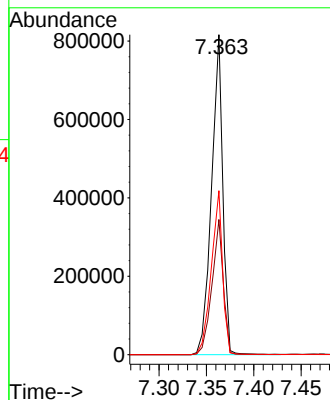
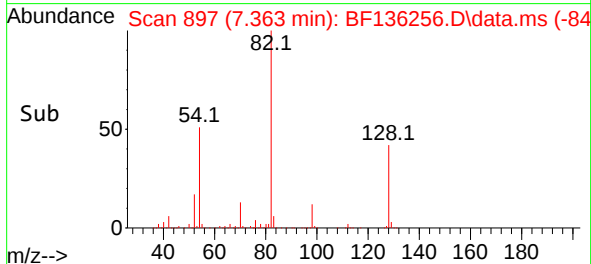
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion: 82 Resp: 67254
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.2
54 51.2 41.7 62.5

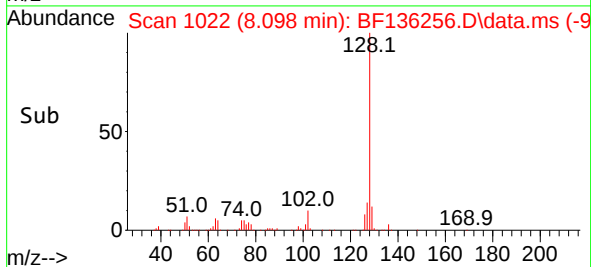
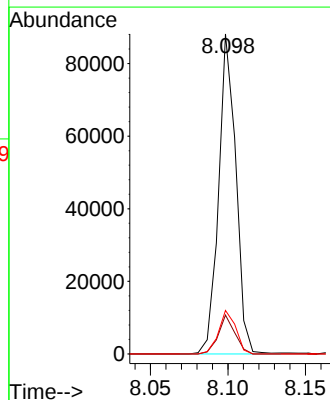
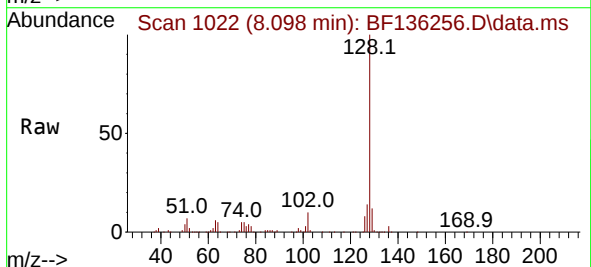
Manual Integrations
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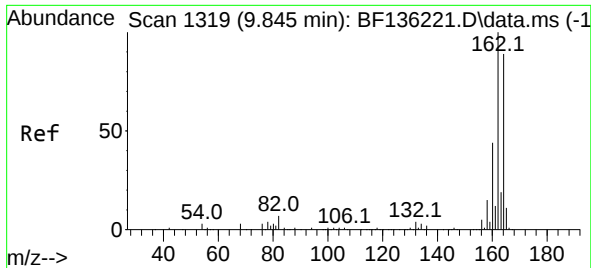
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#31
Naphthalene
Concen: 2.158 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

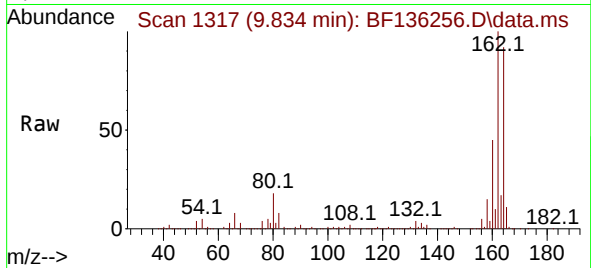
Tgt Ion:128 Resp: 68247
Ion Ratio Lower Upper
128 100
129 12.1 7.3 10.9#
127 13.6 11.8 17.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

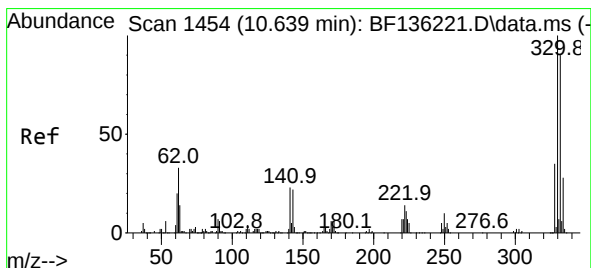
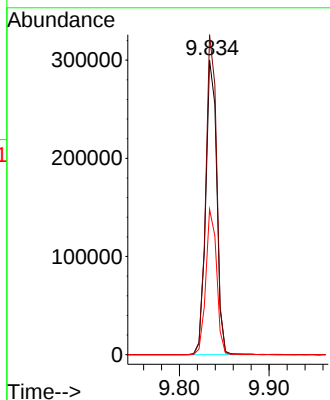
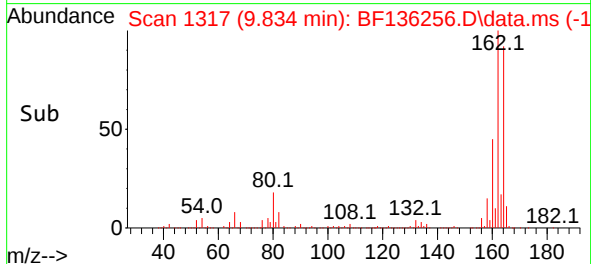
Instrument :
BNA_F
ClientSampleId :
TP-13



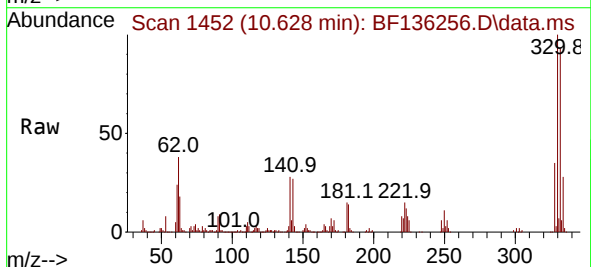
Tgt Ion:164 Resp: 256138
Ion Ratio Lower Upper
164 100
162 108.6 89.5 134.3
160 49.4 39.6 59.4

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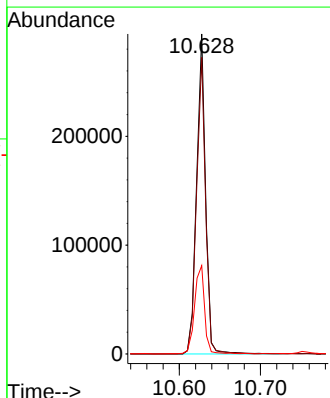
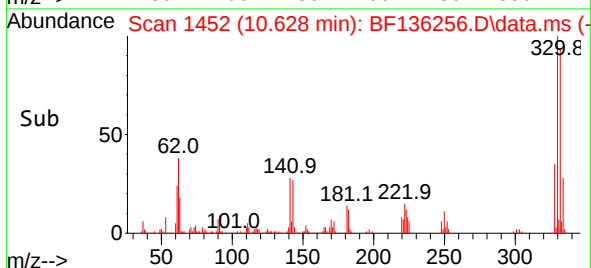
Reviewed By :Yogesh Patel 11/29/2023
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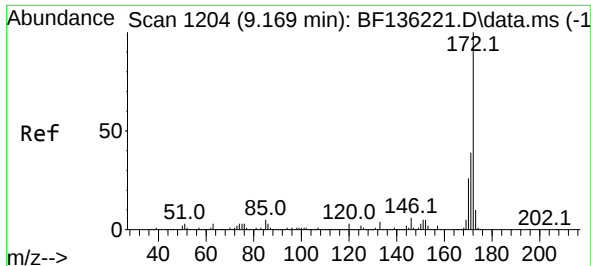


#42
2,4,6-Tribromophenol
Concen: 72.771 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57



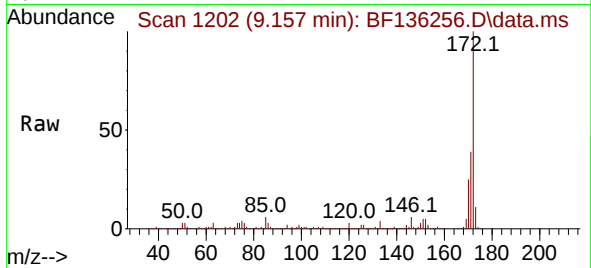
Tgt Ion:330 Resp: 227884
Ion Ratio Lower Upper
330 100
332 93.4 73.0 109.6
141 31.2 24.2 36.2





#45
2-Fluorobiphenyl
Concen: 67.641 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

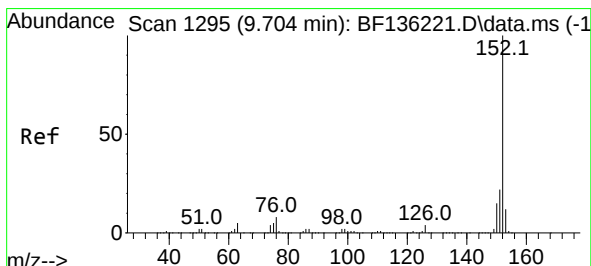
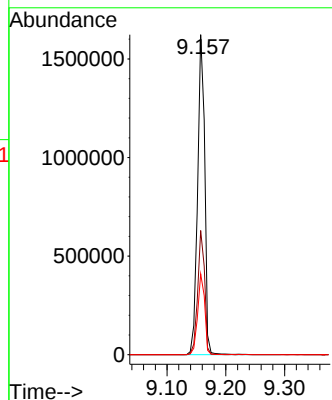
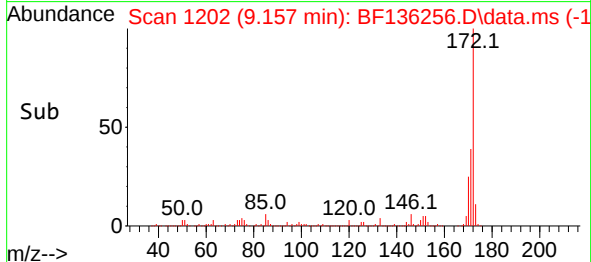
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:172 Resp: 135640
Ion Ratio Lower Upper
172 100
171 38.8 31.5 47.3
170 25.3 20.8 31.2

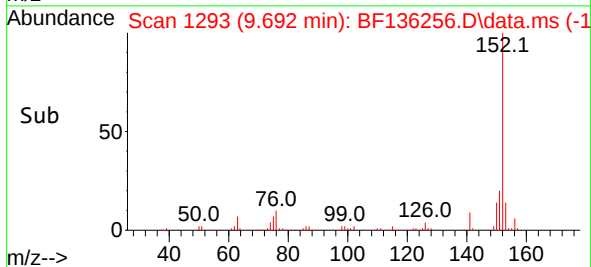
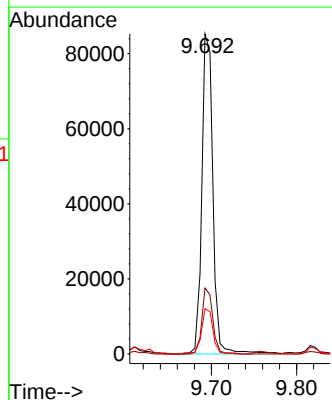
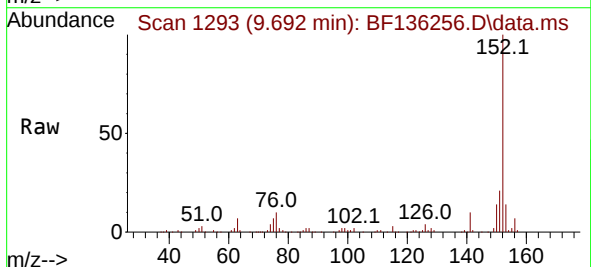
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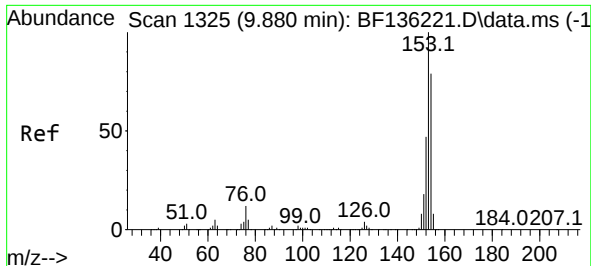
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#49
Acenaphthylene
Concen: 3.076 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

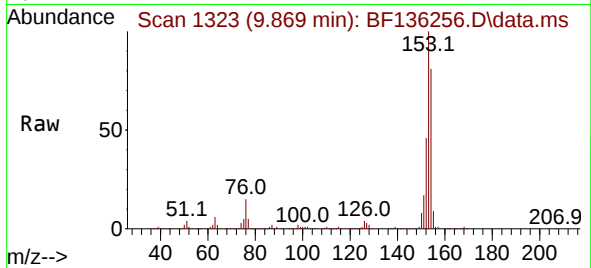
Tgt Ion:152 Resp: 77010
Ion Ratio Lower Upper
152 100
151 20.6 17.5 26.3
153 14.2 9.6 14.4





#52
Acenaphthene
Concen: 7.698 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

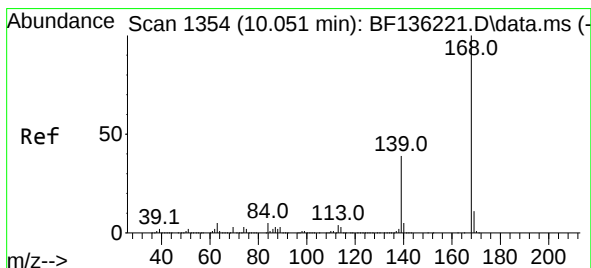
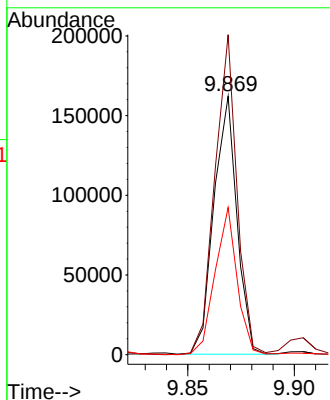
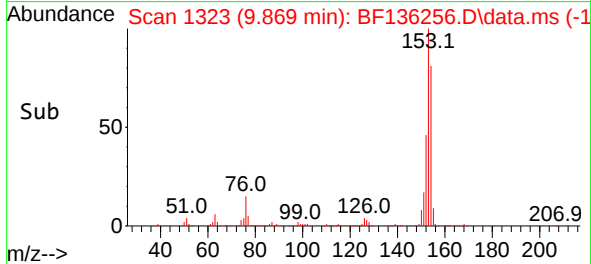
Instrument :
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Tgt Ion:154 Resp: 121774
Ion Ratio Lower Upper
154 100
153 123.8 100.8 151.2
152 57.0 47.0 70.6

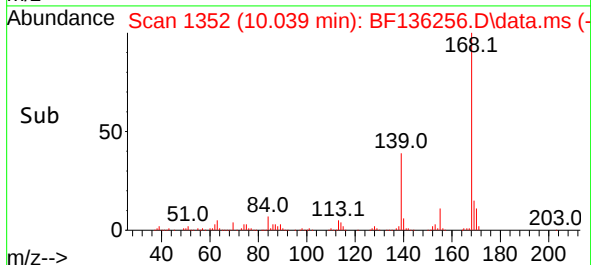
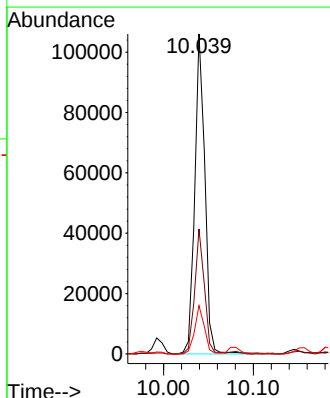
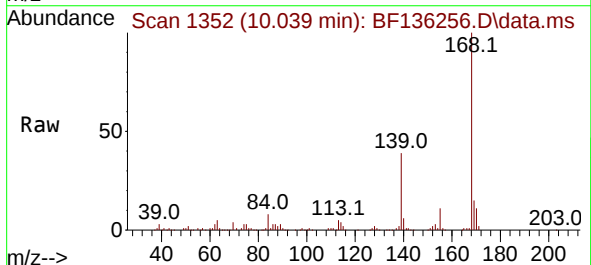
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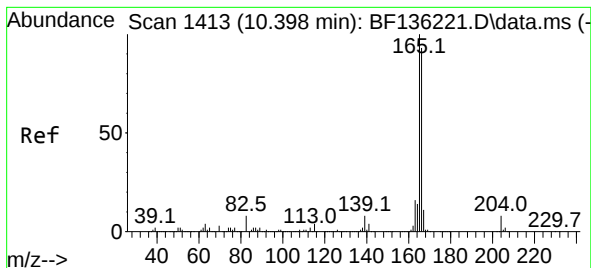
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#55
Dibenzofuran
Concen: 3.530 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

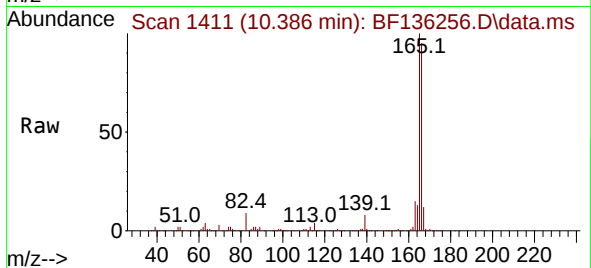
Tgt Ion:168 Resp: 83104
Ion Ratio Lower Upper
168 100
139 39.1 30.9 46.3
169 15.1 9.1 13.7#





#58
Fluorene
Concen: 7.705 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

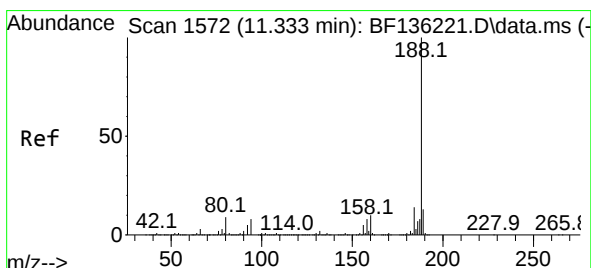
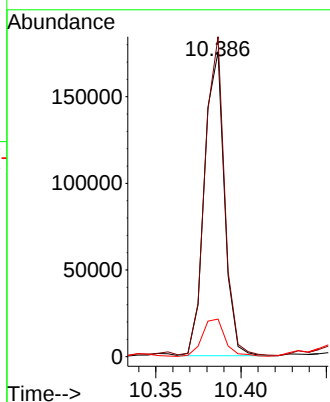
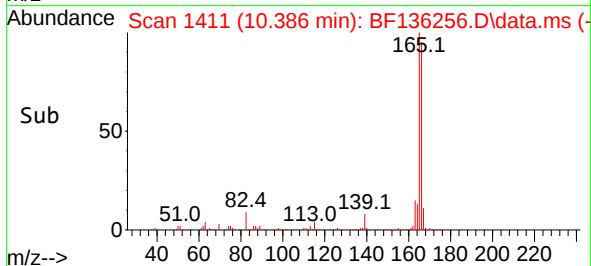
Instrument :
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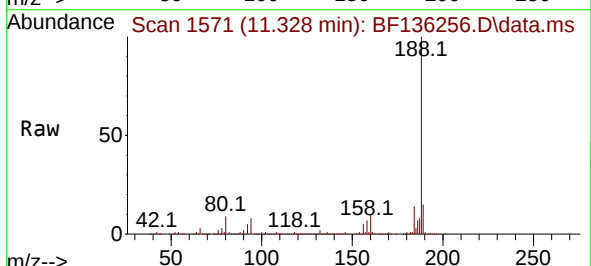
Tgt Ion:166 Resp: 142271
Ion Ratio Lower Upper
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165 105.0 86.2 129.4
167 12.3 9.1 13.7

Manual Integrations
APPROVED

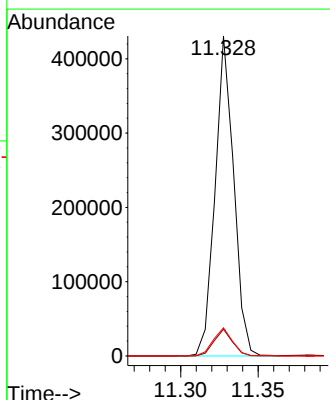
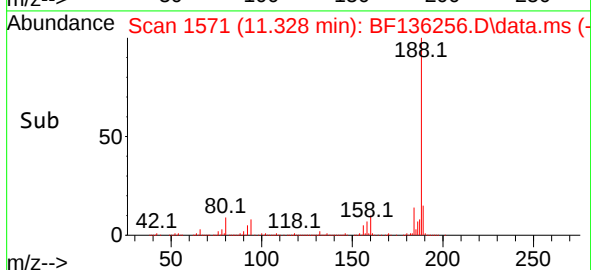
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

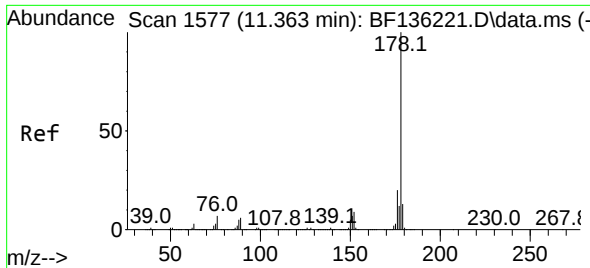


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57



Tgt Ion:188 Resp: 360003
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.8 7.2 10.8





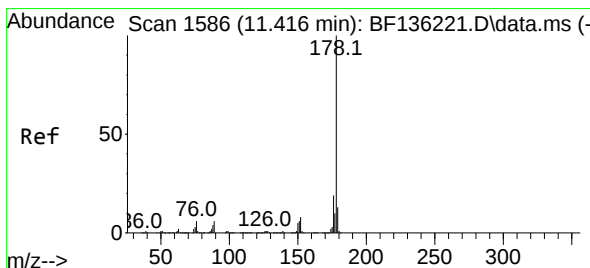
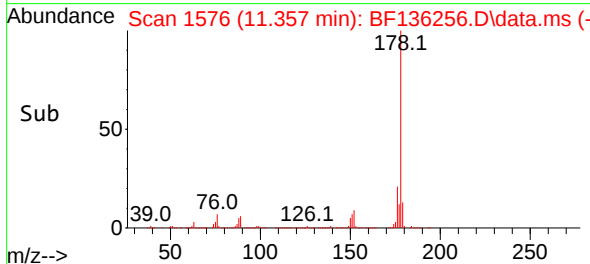
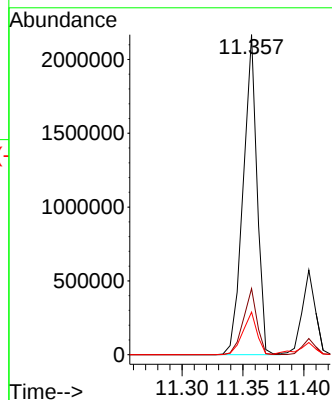
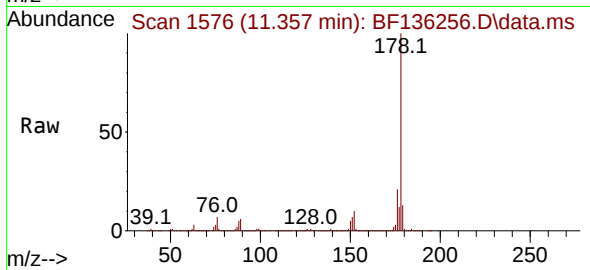
#71
Phenanthrene
Concen: 85.071 ng
RT: 11.357 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:178 Resp: 1721305
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 13.3 10.3 15.5

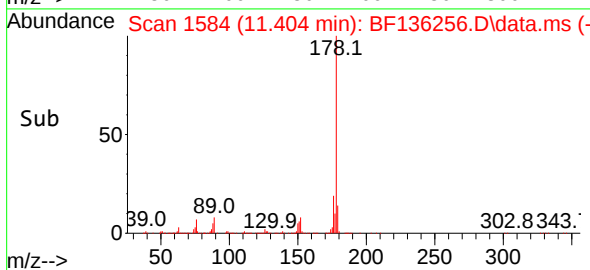
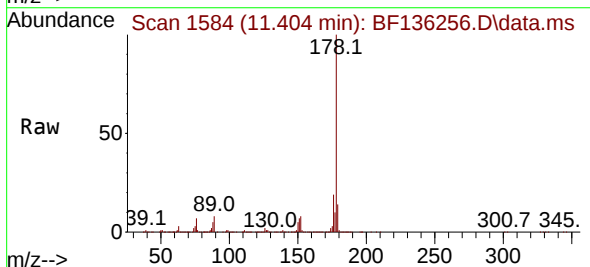
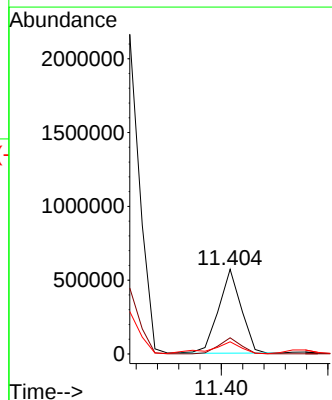
Manual Integrations
APPROVED

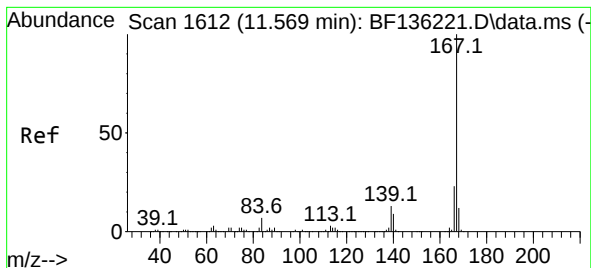
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#72
Anthracene
Concen: 20.680 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:178 Resp: 419615
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.3 10.5 15.7





#73

Carbazole

Concen: 8.566 ng

RT: 11.557 min Scan# 1610

Delta R.T. -0.012 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

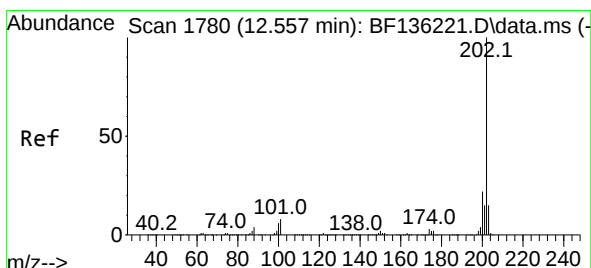
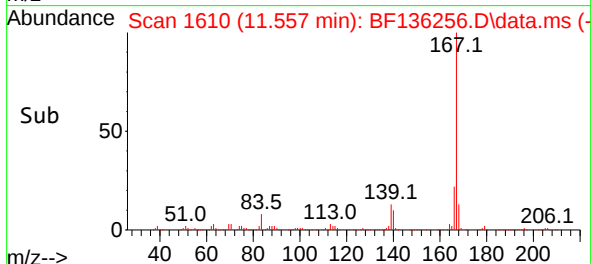
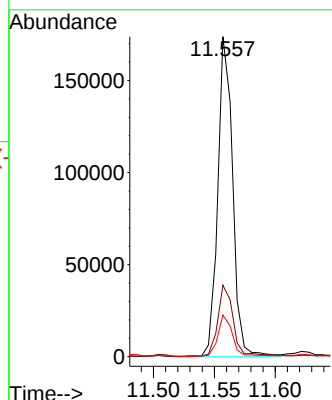
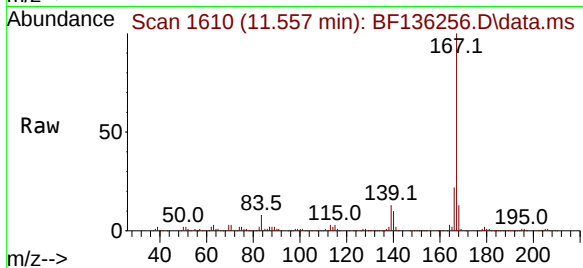
TP-13

Tgt Ion:167	Resp: 14782
Ion Ratio	Lower Upper
167	100
166	22.4 18.4 27.6
139	13.0 10.5 15.7

Manual Integrations

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



#75

Fluoranthene

Concen: 114.071 ng

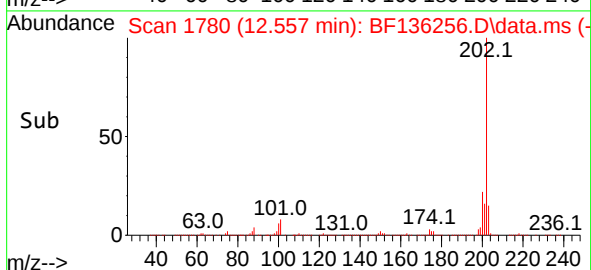
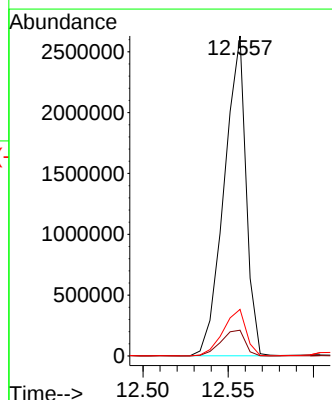
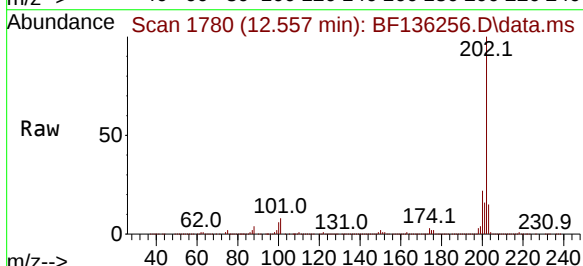
RT: 12.557 min Scan# 1780

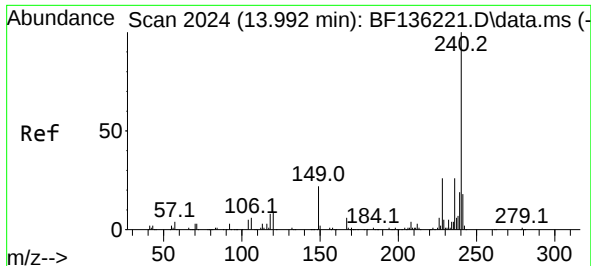
Delta R.T. 0.000 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Tgt Ion:202	Resp: 2343104
Ion Ratio	Lower Upper
202	100
101	8.1 0.0 27.8
203	14.5 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

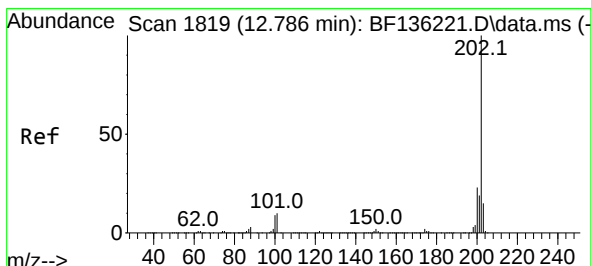
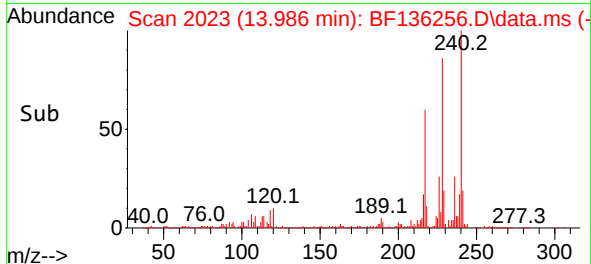
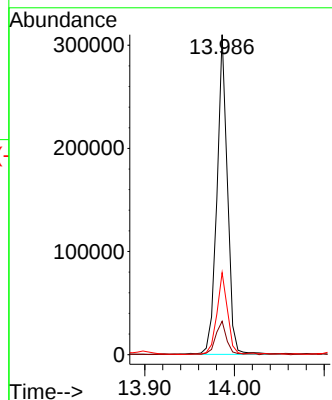
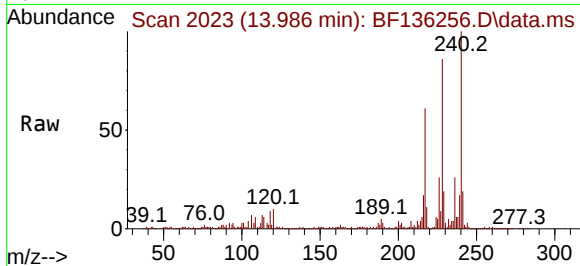
ClientSampleId :

TP-13

Tgt Ion:240 Resp: 25256
Ion Ratio Lower Upper
240 100
120 10.5 7.4 11.2
236 25.7 21.1 31.7

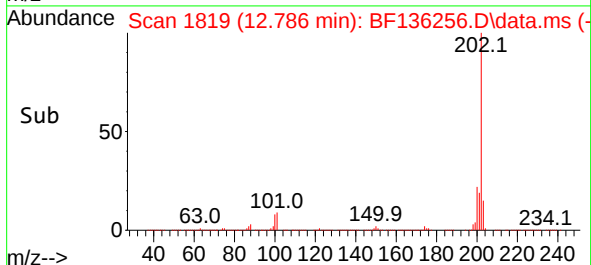
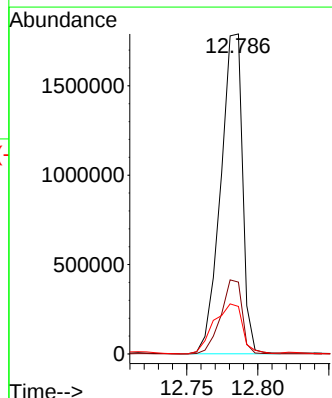
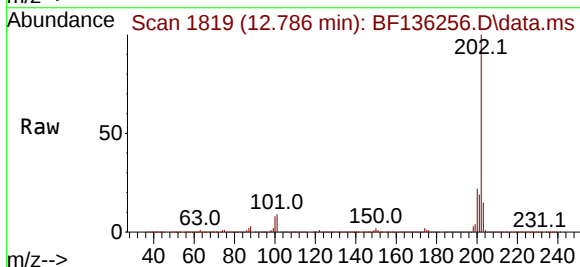
Manual Integrations
APPROVED

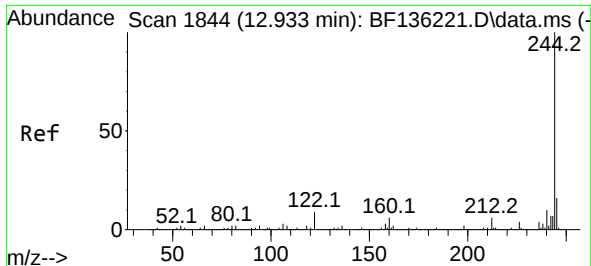
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#78
Pyrene
Concen: 69.067 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

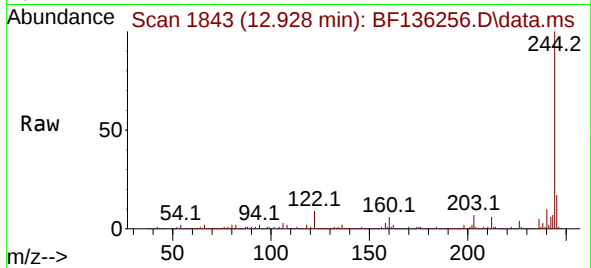
Tgt Ion:202 Resp: 1910411
Ion Ratio Lower Upper
202 100
200 22.5 18.4 27.6
203 14.8 11.8 17.6





#79
 Terphenyl-d14
 Concen: 43.906 ng
 RT: 12.928 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136256.D
 Acq: 28 Nov 2023 18:57

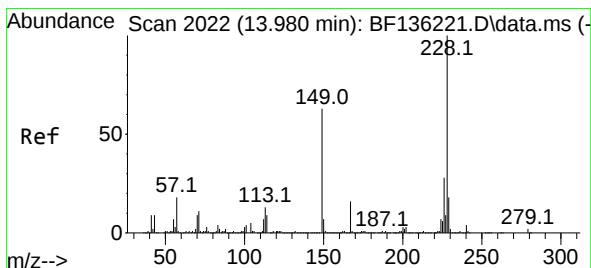
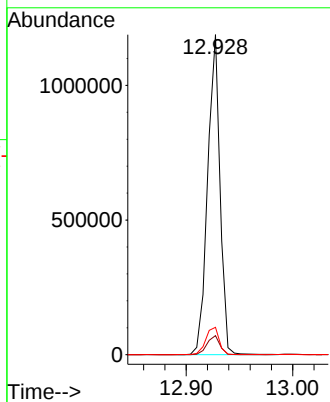
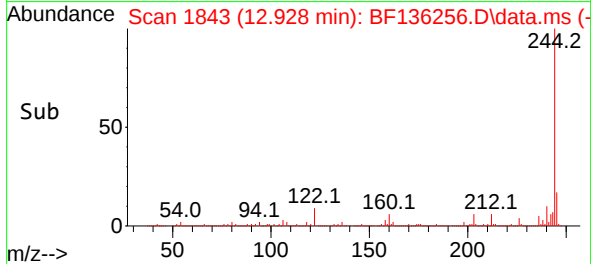
Instrument :
 BNA_F
 ClientSampleId :
 TP-13



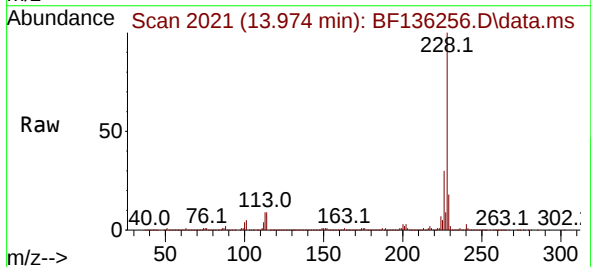
Tgt Ion:244 Resp: 96136
 Ion Ratio Lower Upper
 244 100
 212 6.0 4.6 7.0
 122 8.5 7.3 10.9

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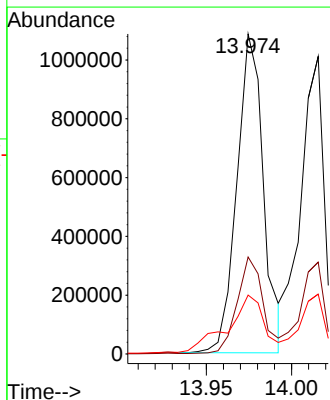
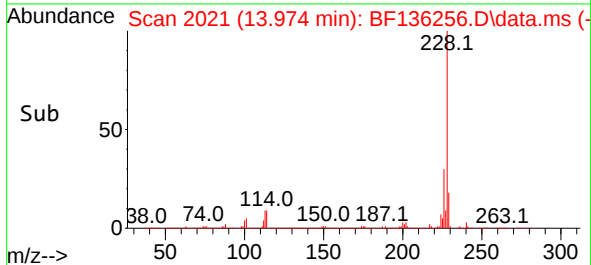
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

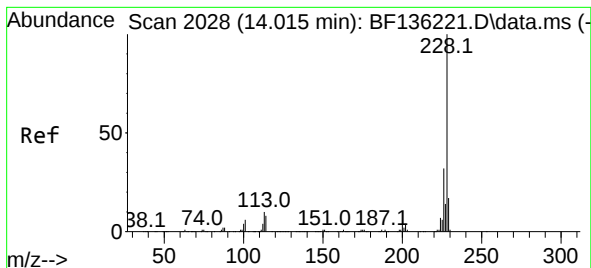


#81
 Benzo(a)anthracene
 Concen: 62.737 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136256.D
 Acq: 28 Nov 2023 18:57



Tgt Ion:228 Resp: 1176932
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 34.0
 229 18.4 14.0 21.0





#83

Chrysene

Concen: 53.826 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

Tgt Ion:228 Resp: 97496

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

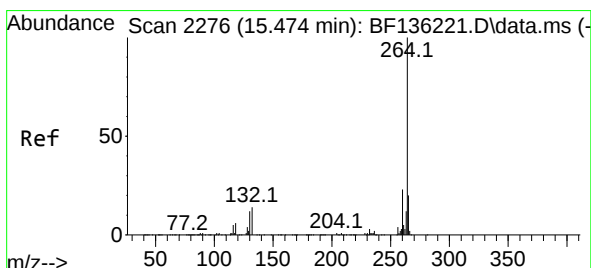
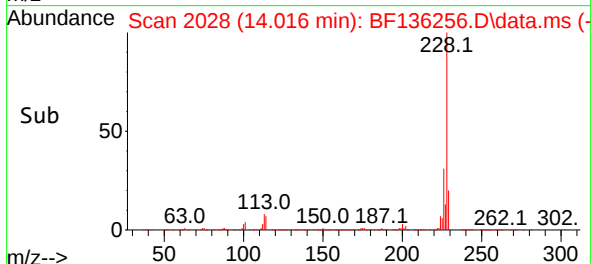
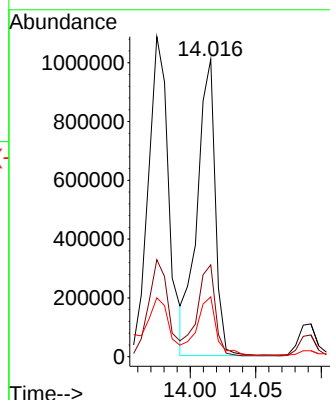
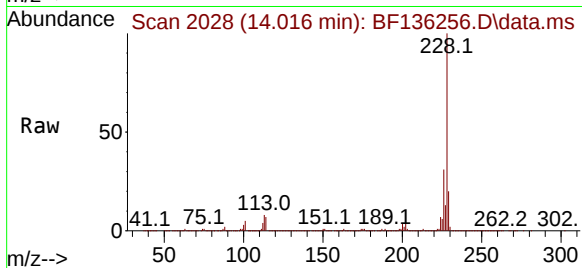
229 20.1 13.9 20.9

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: 15.469 min Scan# 2275

Delta R.T. -0.005 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

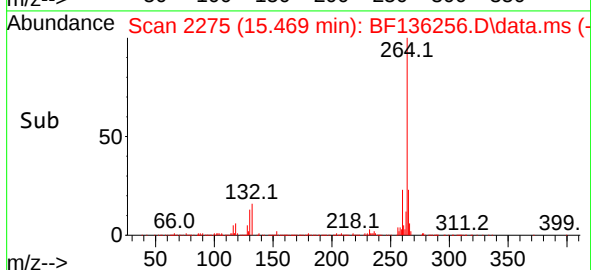
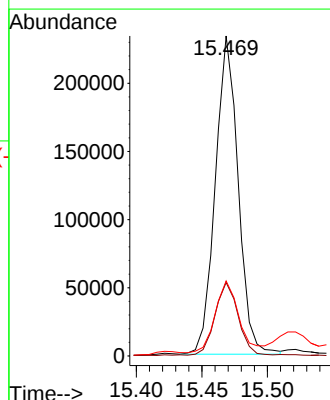
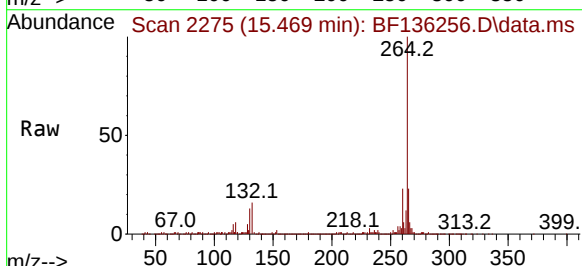
Tgt Ion:264 Resp: 281990

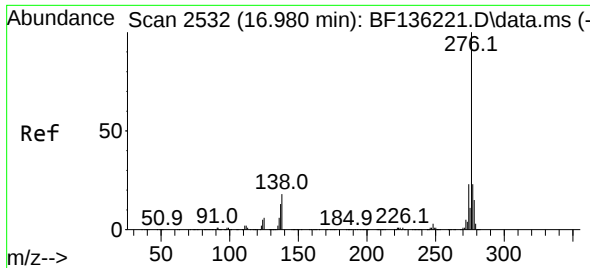
Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

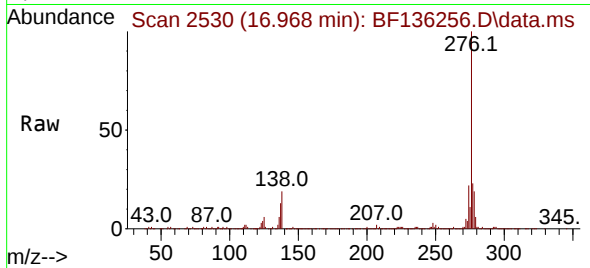
265 23.5 15.7 23.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.329 ng
RT: 16.968 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

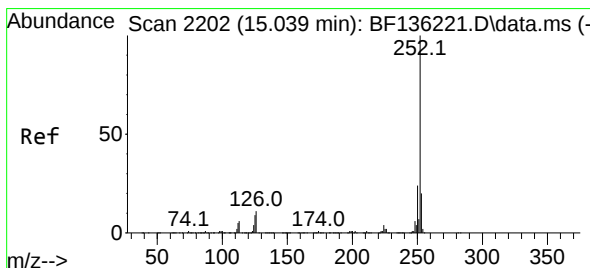
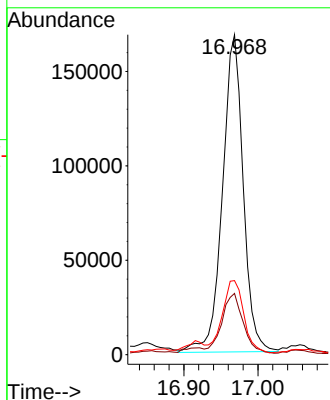
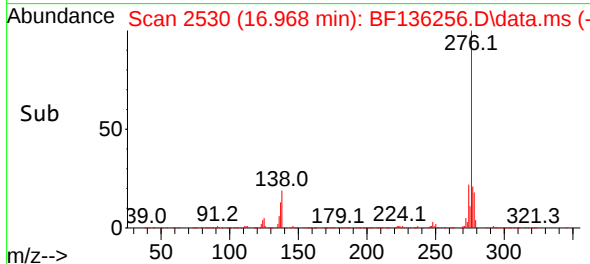
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:276 Resp: 32703
Ion Ratio Lower Upper
276 100
138 19.3 17.7 26.5
277 23.8 19.6 29.4

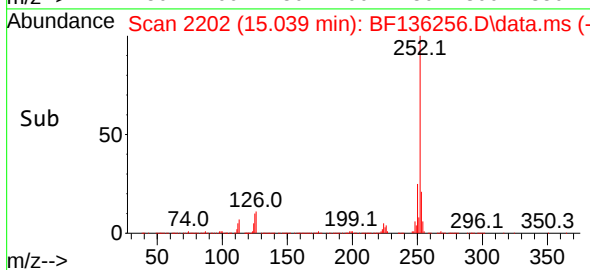
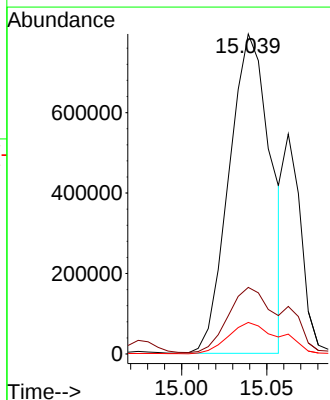
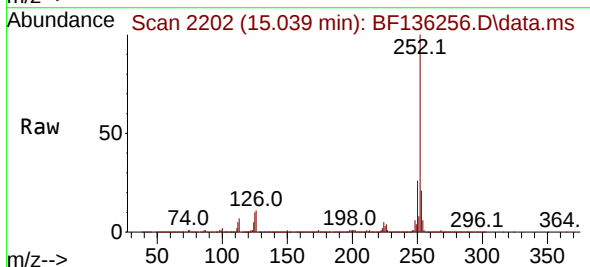
Manual Integrations
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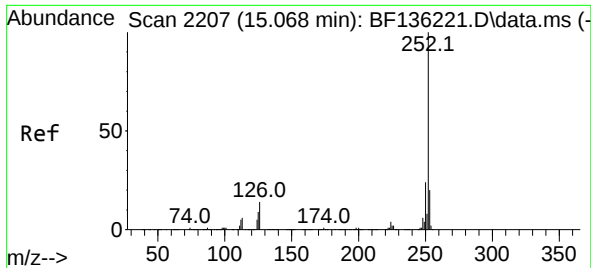
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#88
Benzo(b)fluoranthene
Concen: 68.120 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:252 Resp: 1347676
Ion Ratio Lower Upper
252 100
253 20.8 16.2 24.2
125 9.9 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 19.955 ng m

RT: 15.063 min Scan# 2207

Delta R.T. -0.005 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

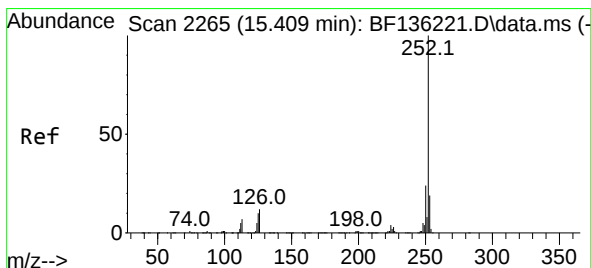
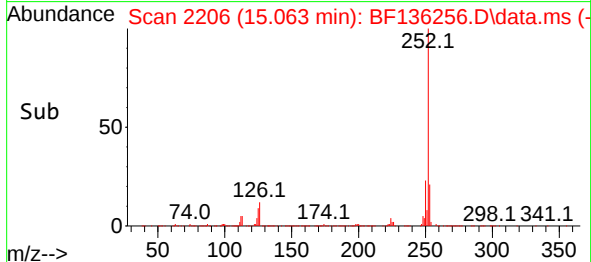
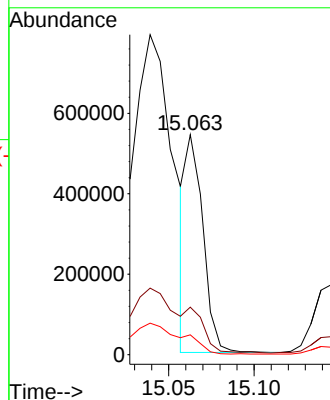
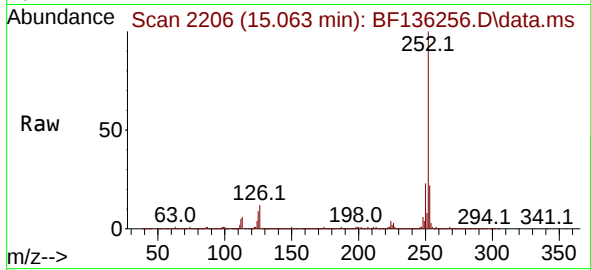
Tgt Ion:252 Resp: 37494
 Ion Ratio Lower Upper
 252 100
 253 21.6 15.6 23.4
 125 9.0 7.0 10.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#90

Benzo(a)pyrene

Concen: 53.666 ng

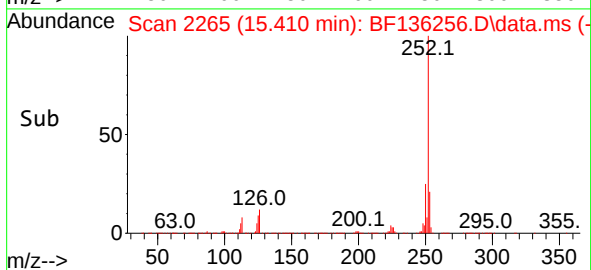
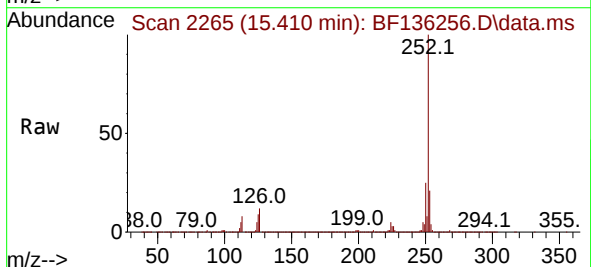
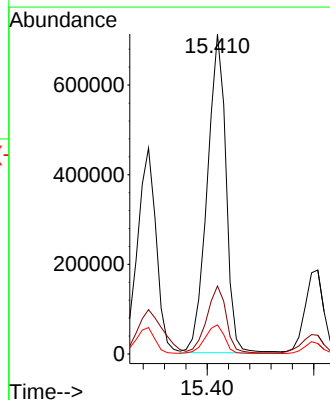
RT: 15.410 min Scan# 2265

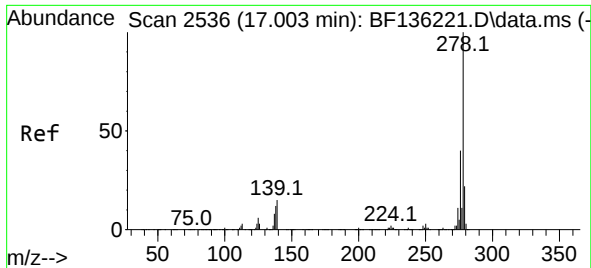
Delta R.T. 0.001 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

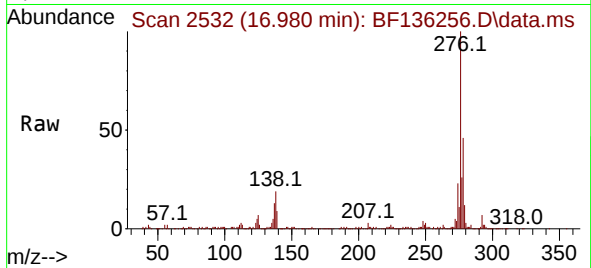
Tgt Ion:252 Resp: 867940
 Ion Ratio Lower Upper
 252 100
 253 21.3 15.5 23.3
 125 9.1 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 7.346 ng m
RT: 16.980 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

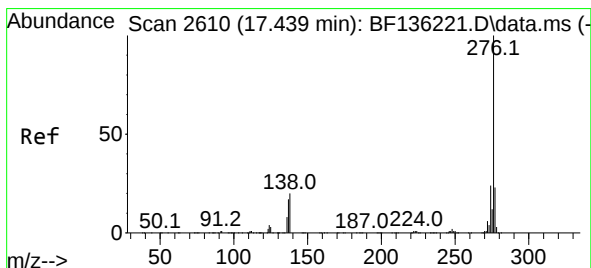
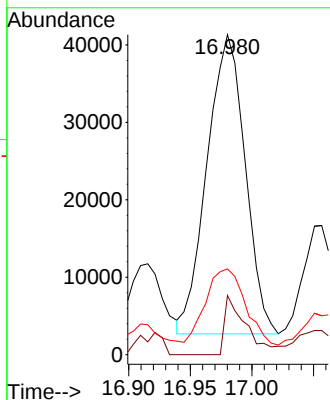
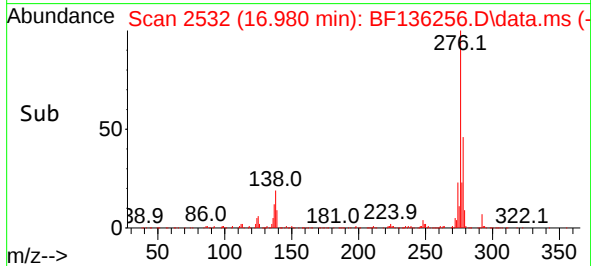
Instrument :
BNA_F
ClientSampleId :
TP-13



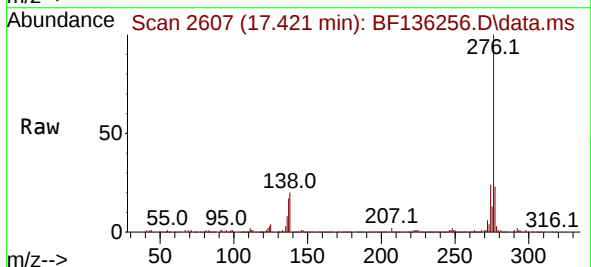
Tgt Ion:278 Resp: 83069
Ion Ratio Lower Upper
278 100
139 18.5 11.7 17.5
279 26.8 17.8 26.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 17.587 ng
RT: 17.421 min Scan# 2607
Delta R.T. -0.018 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57



Tgt Ion:276 Resp: 277262
Ion Ratio Lower Upper
276 100
277 22.7 18.6 27.8
138 20.2 15.8 23.8

