

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136739.D
 Acq On : 27 Dec 2023 01:41
 Operator : CG\JU
 Sample : 05446-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523B

Quant Time: Dec 27 04:02:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	63647	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	221898	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	93512	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	153392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	132779	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	93703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	319522	78.330	ng	0.00
7) Phenol-d6	6.434	99	388084	73.422	ng	0.00
23) Nitrobenzene-d5	7.351	82	232369	53.586	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	68931	62.590	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	403660	58.059	ng	-0.01
79) Terphenyl-d14	12.904	244	372456	39.200	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	271262	22.252	ng	98
37) 2-Methylnaphthalene	8.775	142	136690	17.423	ng	98
38) 1-Methylnaphthalene	8.875	142	66961	8.700	ng	99
49) Acenaphthylene	9.675	152	25392	2.785	ng	# 90
52) Acenaphthene	9.845	154	21863	3.868	ng	92
58) Fluorene	10.363	166	21732	3.197	ng	# 89
70) Pentachlorophenol	11.116	266	13267	14.993	ng	# 88
71) Phenanthrene	11.333	178	122879	15.612	ng	99
72) Anthracene	11.380	178	40910	5.132	ng	96
75) Fluoranthene	12.527	202	221277	26.283	ng	99
78) Pyrene	12.757	202	238396	18.290	ng	98
81) Benzo(a)anthracene	13.957	228	144821	15.707	ng	91
83) Chrysene	13.992	228	147525	16.362	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	45300	6.696	ng	97
88) Benzo(b)fluoranthene	15.010	252	121653m	19.438	ng	
89) Benzo(k)fluoranthene	15.039	252	44595m	7.541	ng	
90) Benzo(a)pyrene	15.380	252	79477	15.044	ng	96
91) Dibenzo(a,h)anthracene	16.956	278	13038	2.349	ng	# 73
92) Benzo(g,h,i)perylene	17.398	276	46318	8.148	ng	94

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

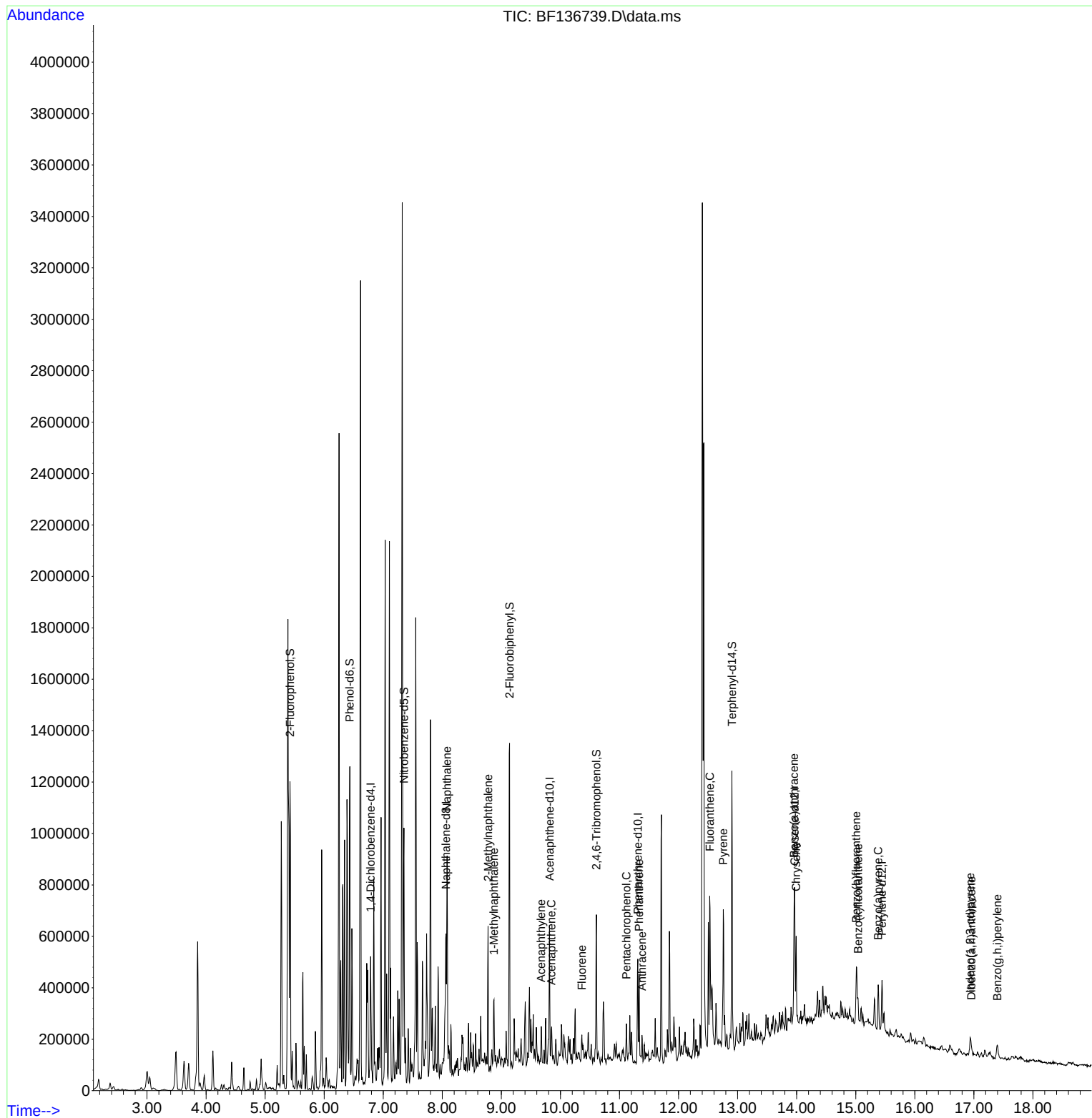
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136739.D
Acq On : 27 Dec 2023 01:41
Operator : CG\JU
Sample : 05446-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

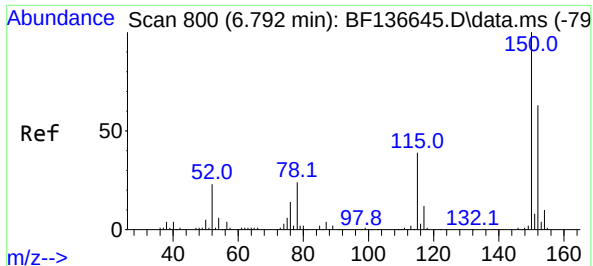
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B

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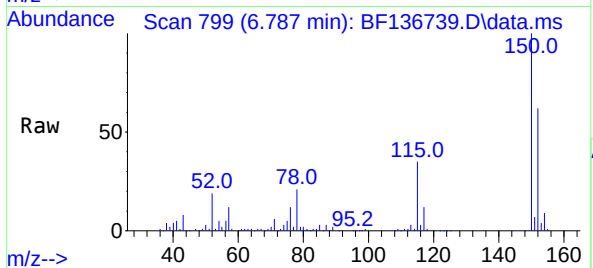
Quant Time: Dec 27 04:02:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

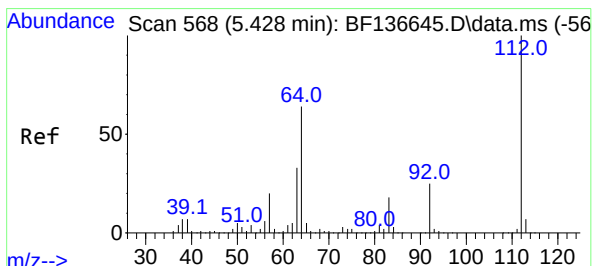
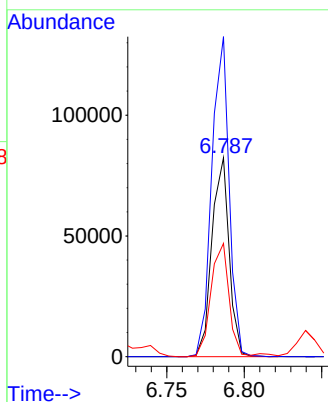
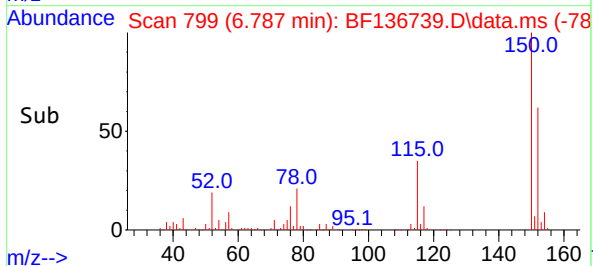
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



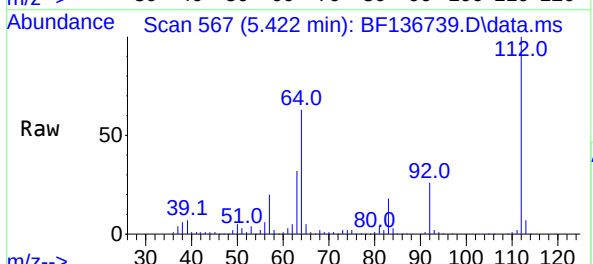
Tgt Ion:152 Resp: 6364
Ion Ratio Lower Upper
152 100
150 160.9 127.0 190.6
115 57.0 49.0 73.4

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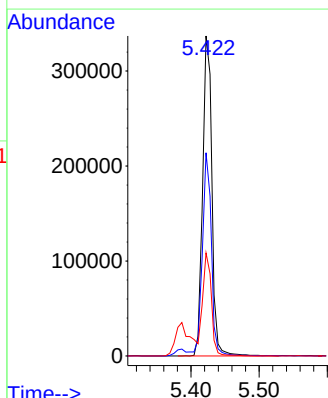
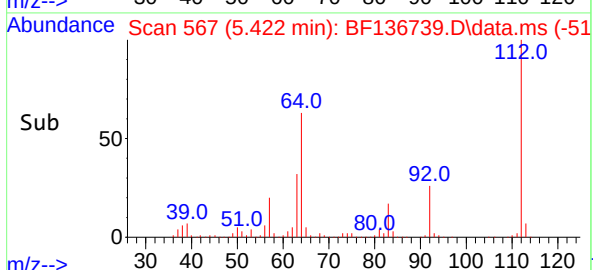
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

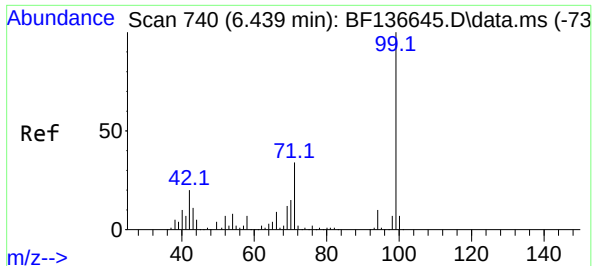


#5
2-Fluorophenol
Concen: 78.330 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41



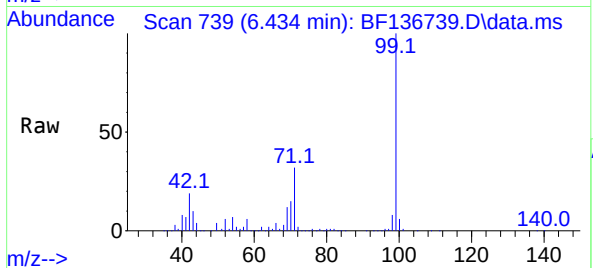
Tgt Ion:112 Resp: 319522
Ion Ratio Lower Upper
112 100
64 63.5 51.1 76.7
63 32.2 26.1 39.1





#7
Phenol-d6
Concen: 73.422 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

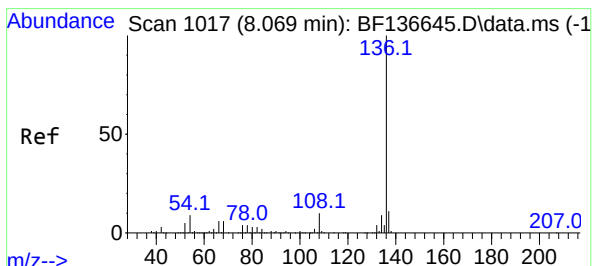
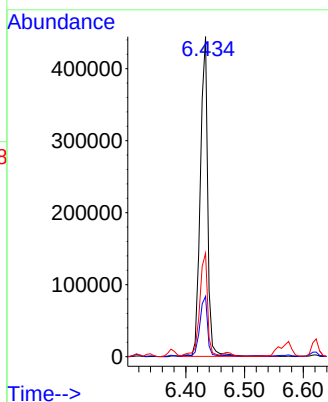
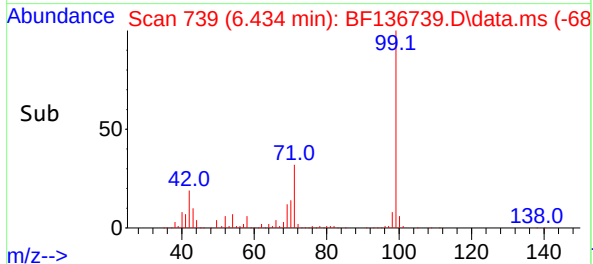
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



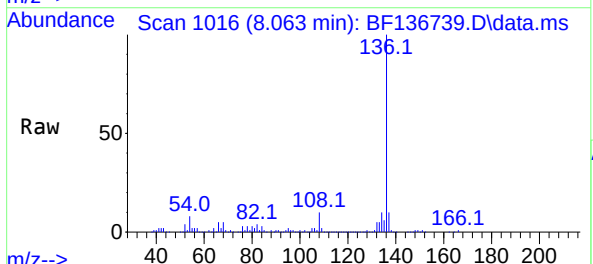
Tgt Ion: 99 Resp: 388084
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 32.3 27.4 41.2

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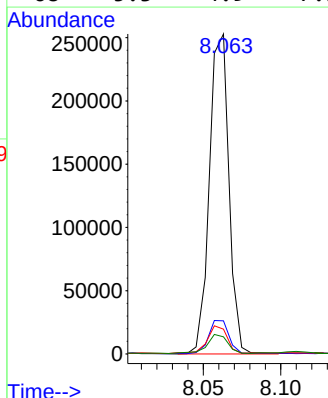
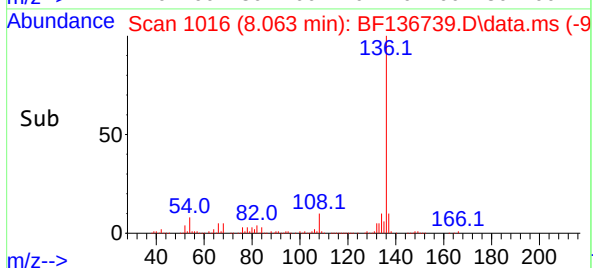
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

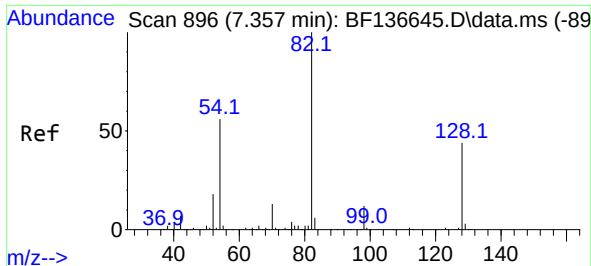


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41



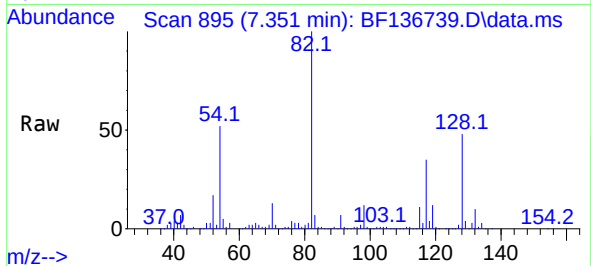
Tgt Ion:136 Resp: 221898
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 7.7 7.2 10.8
68 5.3 4.9 7.3





#23
Nitrobenzene-d5
Concen: 53.586 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

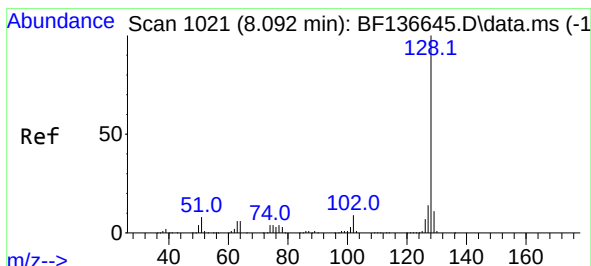
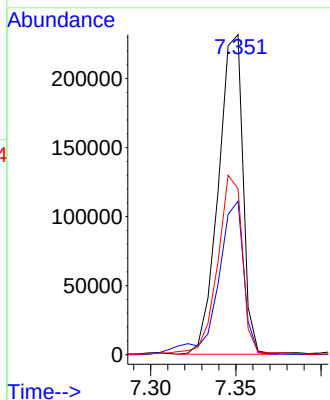
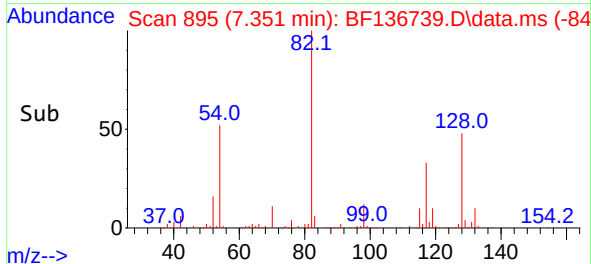
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



Tgt Ion: 82 Resp: 232369
Ion Ratio Lower Upper
82 100
128 48.0 35.3 52.9
54 51.9 44.5 66.7

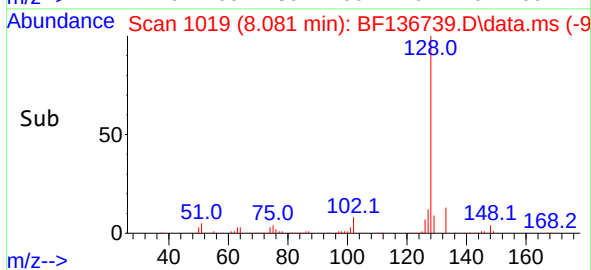
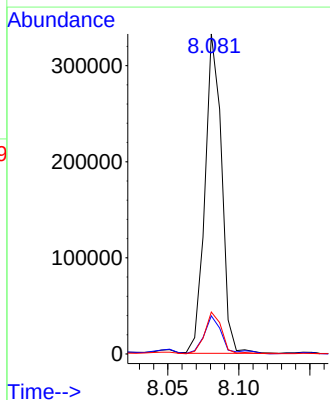
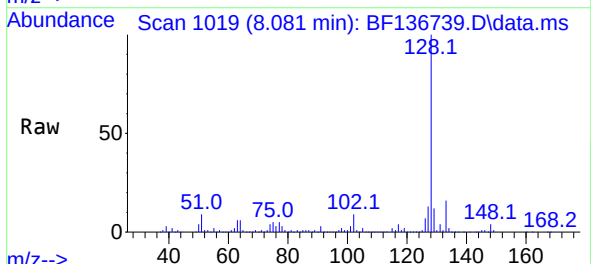
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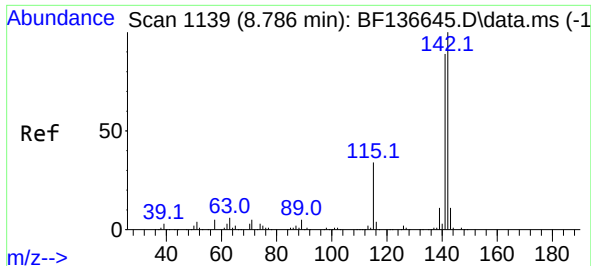
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#31
Naphthalene
Concen: 22.252 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Tgt Ion:128 Resp: 271262
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 13.1 10.8 16.2





#37

2-Methylnaphthalene

Concen: 17.423 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136739.D

Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

JC-03-111523B

Tgt Ion:142 Resp: 136690

Ion Ratio Lower Upper

142 100

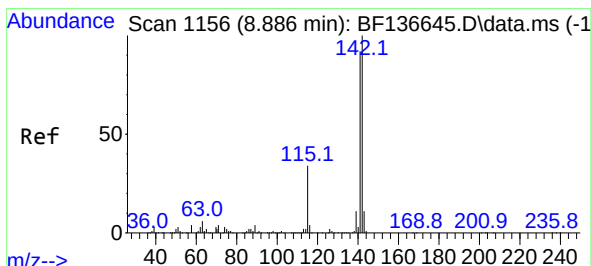
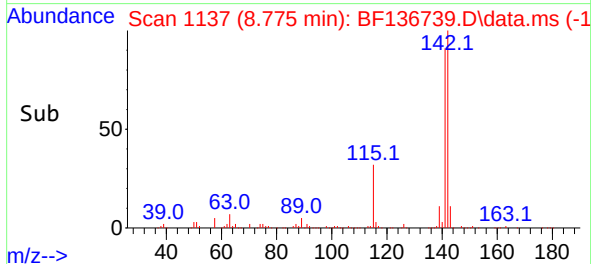
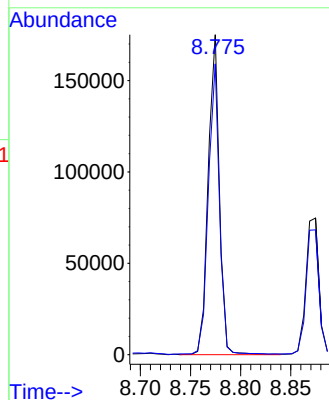
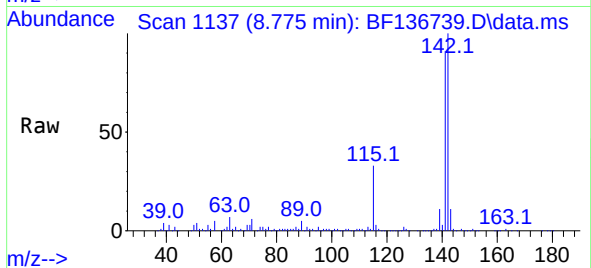
141 90.9 71.1 106.7

Manual Integrations

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Supervised By :mohammad ahmed 12/27/2023



#38

1-Methylnaphthalene

Concen: 8.700 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136739.D

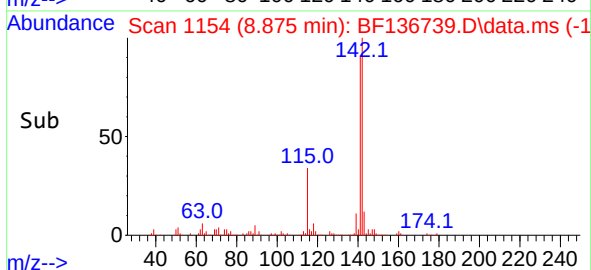
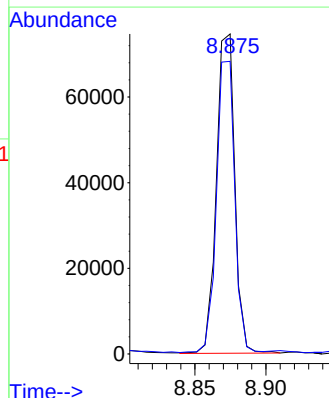
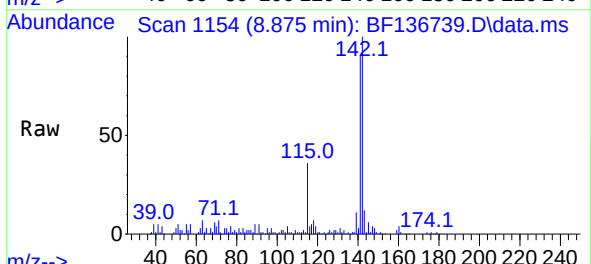
Acq: 27 Dec 2023 01:41

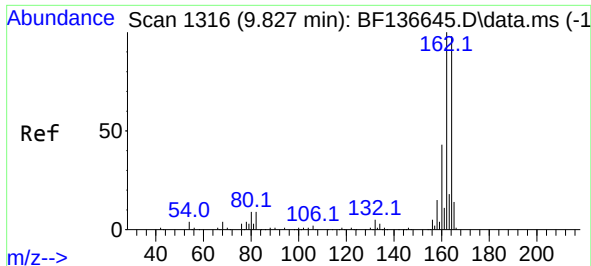
Tgt Ion:142 Resp: 66961

Ion Ratio Lower Upper

142 100

141 91.4 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136739.D

Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

JC-03-111523B

Tgt Ion:164 Resp: 9351

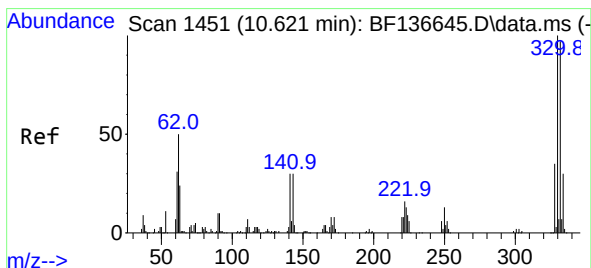
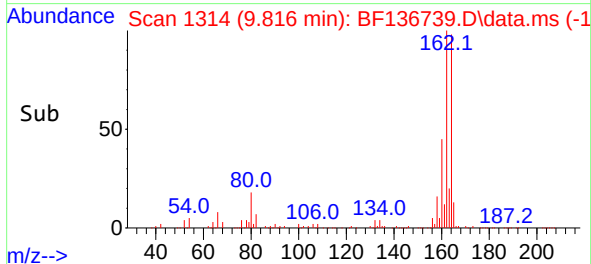
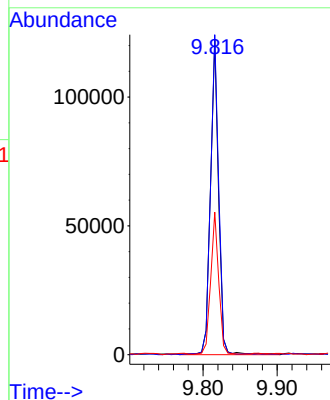
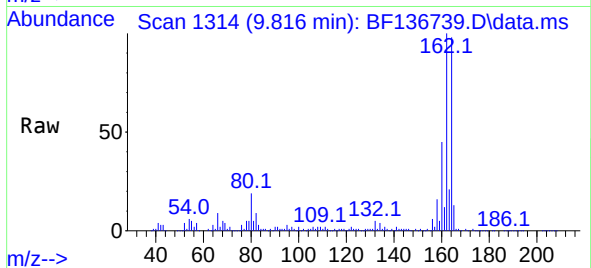
Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	45.3	34.9	52.3

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 62.590 ng

RT: 10.610 min Scan# 1449

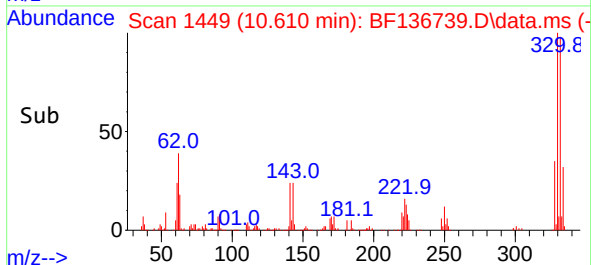
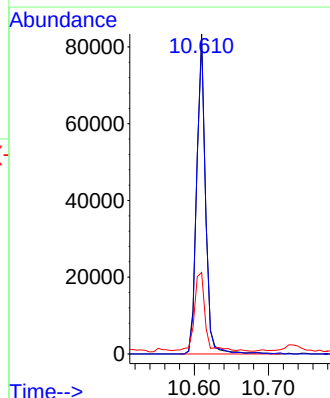
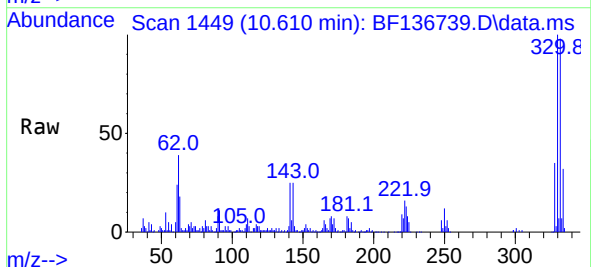
Delta R.T. -0.012 min

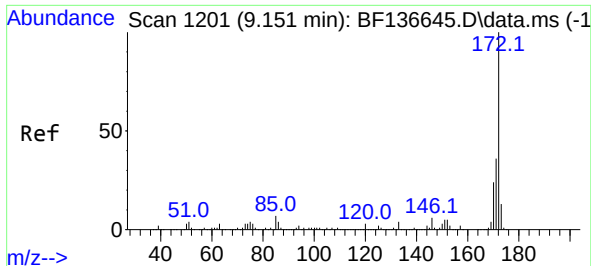
Lab File: BF136739.D

Acq: 27 Dec 2023 01:41

Tgt Ion:330 Resp: 68931

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.0
141	30.3	23.4	35.2





#45

2-Fluorobiphenyl

Concen: 58.059 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136739.D

Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

JC-03-111523B

Tgt Ion:172 Resp: 403660

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

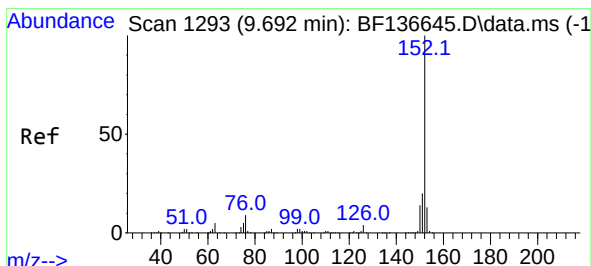
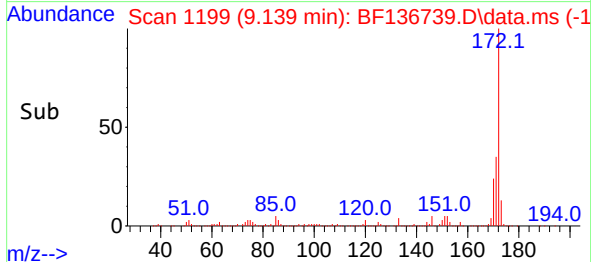
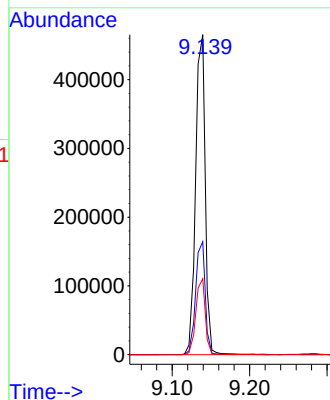
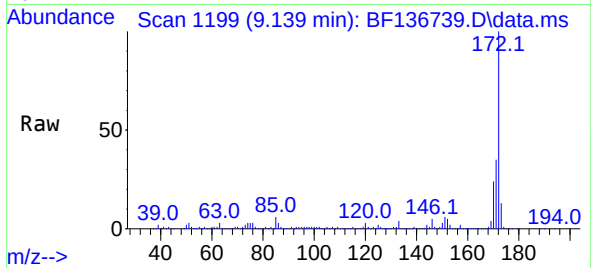
170 23.8 19.0 28.4

Manual Integrations

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Supervised By :mohammad ahmed 12/27/2023



#49

Acenaphthylene

Concen: 2.785 ng

RT: 9.675 min Scan# 1290

Delta R.T. -0.018 min

Lab File: BF136739.D

Acq: 27 Dec 2023 01:41

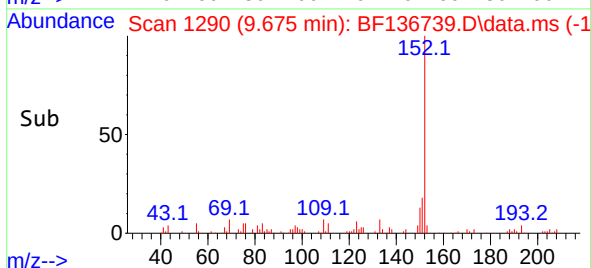
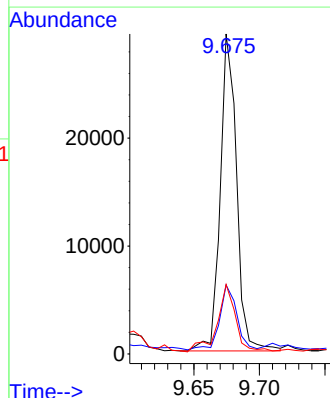
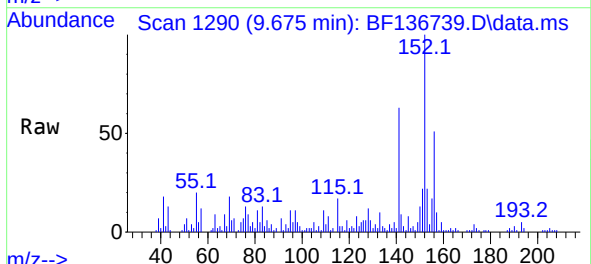
Tgt Ion:152 Resp: 25392

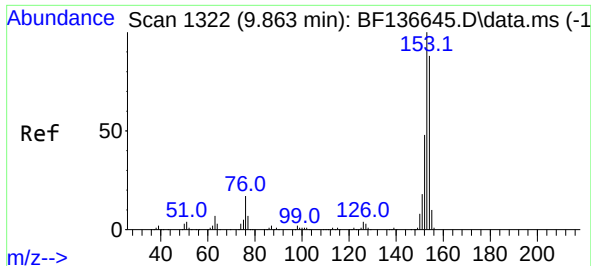
Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4

153 21.7 10.2 15.2#





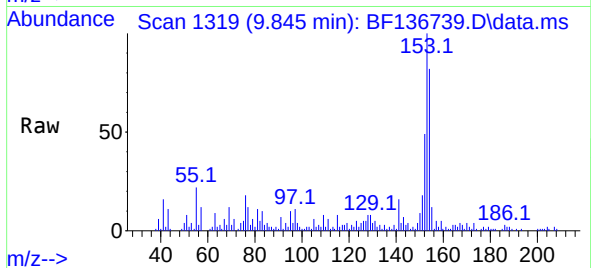
#52
Acenaphthene
Concen: 3.868 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

JC-03-111523B

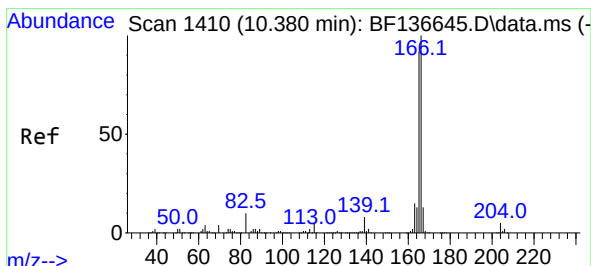
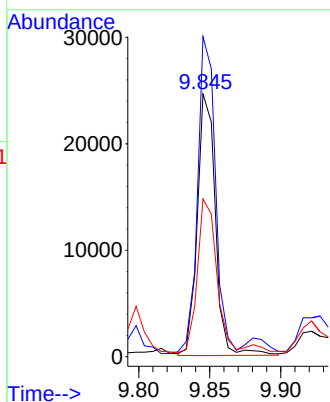
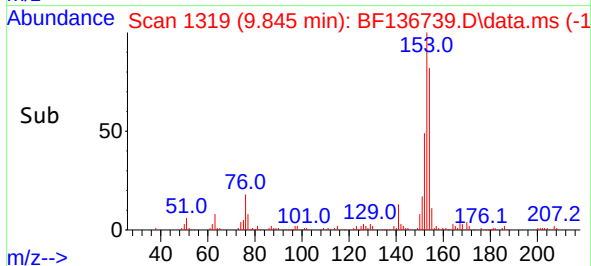


Tgt Ion:154 Resp: 2186
Ion Ratio Lower Upper
154 100
153 121.8 90.7 136.1
152 60.0 43.7 65.5

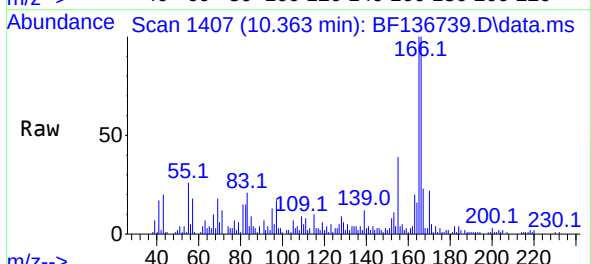
Manual Integrations

APPROVED

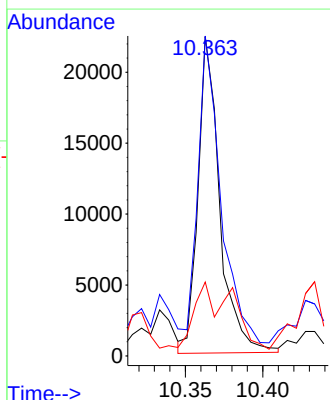
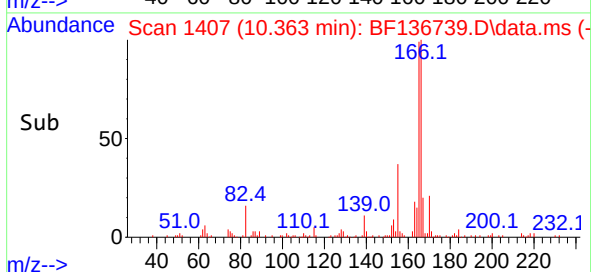
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

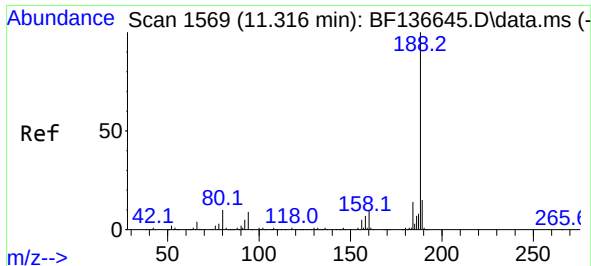


#58
Fluorene
Concen: 3.197 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41



Tgt Ion:166 Resp: 21732
Ion Ratio Lower Upper
166 100
165 100.2 73.7 110.5
167 23.1 10.4 15.6#





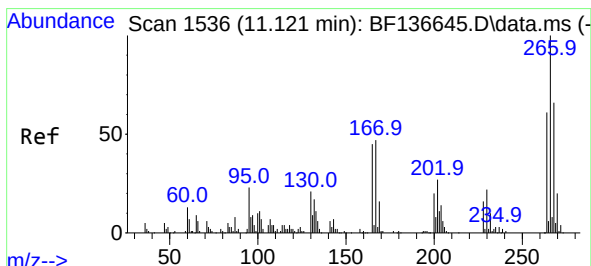
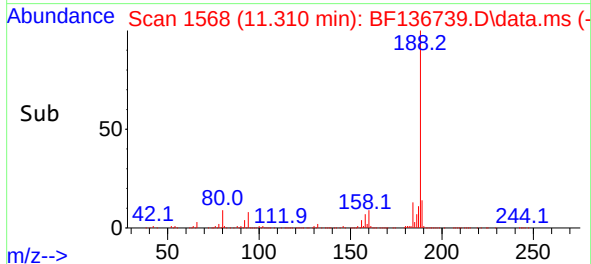
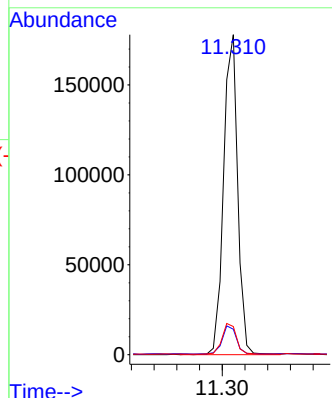
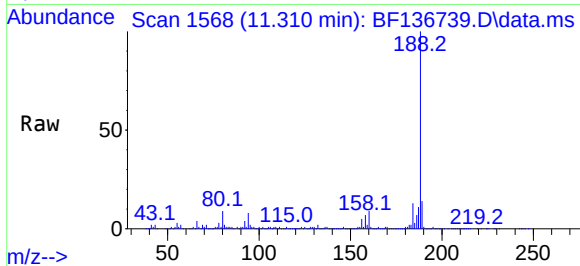
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :
BNA_F
ClientSampleId :
JC-03-111523B

Tgt Ion:188 Resp: 153392
Ion Ratio Lower Upper
188 100
94 8.0 7.5 11.3
80 8.8 8.1 12.1

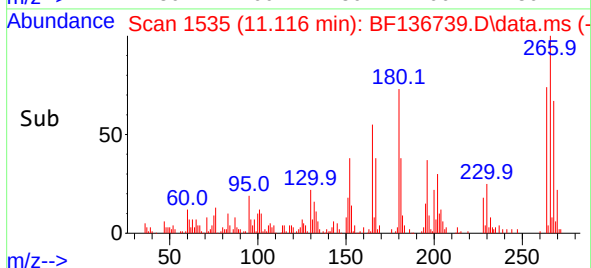
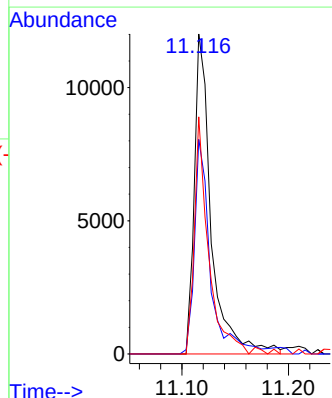
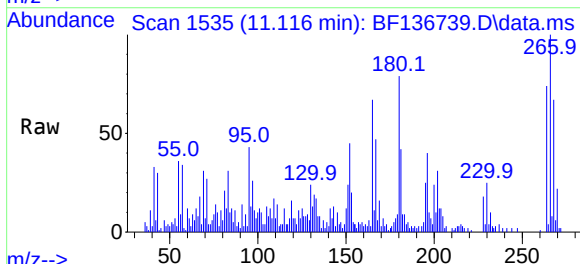
Manual Integrations
APPROVED

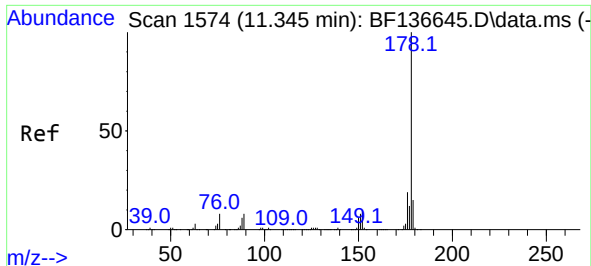
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#70
Pentachlorophenol
Concen: 14.993 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Tgt Ion:266 Resp: 13267
Ion Ratio Lower Upper
266 100
268 67.1 52.6 78.8
264 78.2 49.0 73.4#





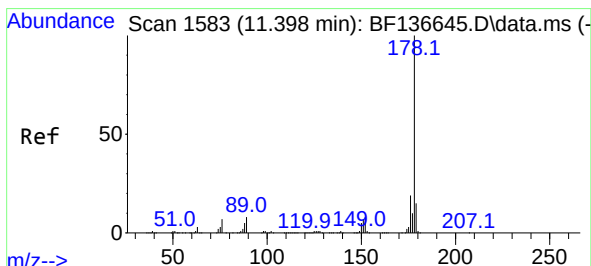
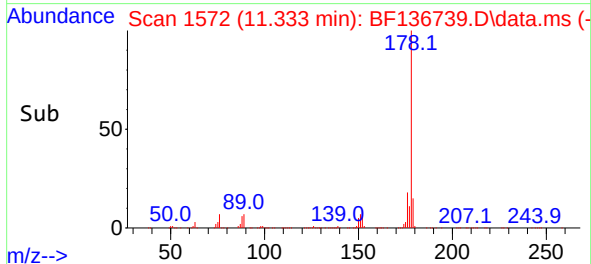
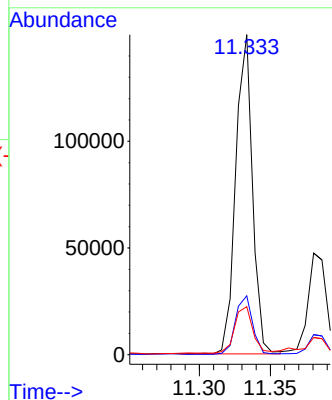
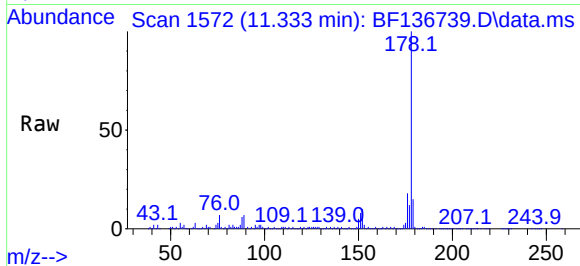
#71
Phenanthrene
Concen: 15.612 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :
BNA_F
ClientSampleId :
JC-03-111523B

Tgt Ion:178 Resp: 122879
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 11.9 17.9

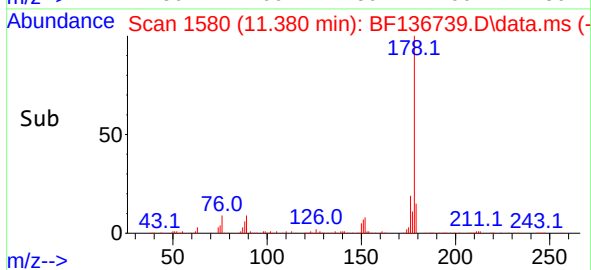
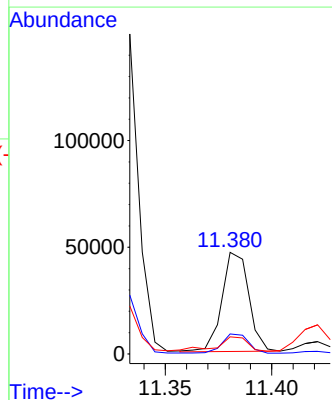
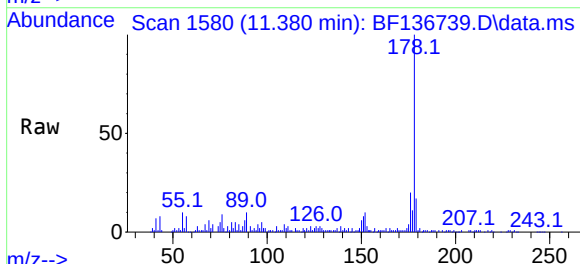
Manual Integrations
APPROVED

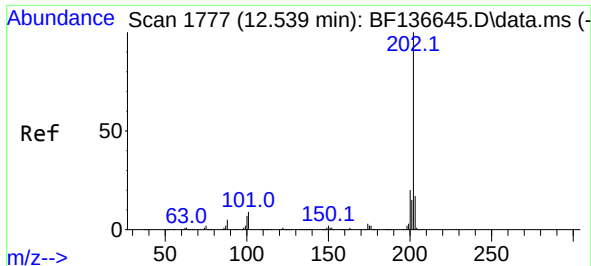
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#72
Anthracene
Concen: 5.132 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

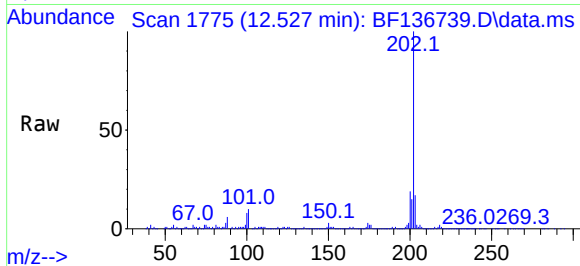
Tgt Ion:178 Resp: 40910
Ion Ratio Lower Upper
178 100
176 19.7 14.9 22.3
179 16.8 11.8 17.6





#75
Fluoranthene
Concen: 26.283 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

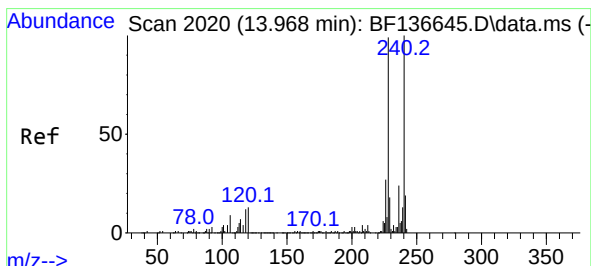
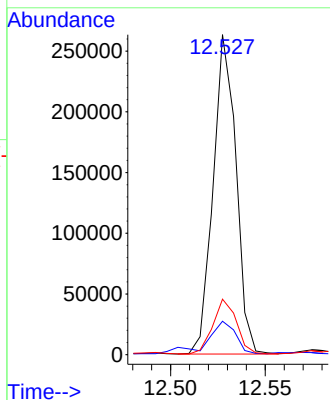
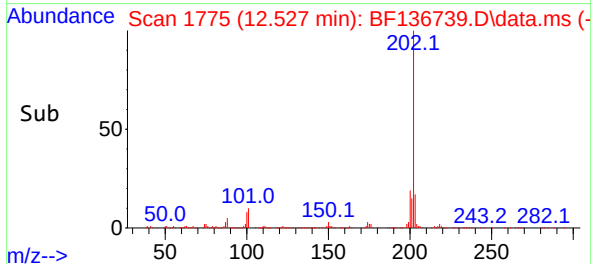
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



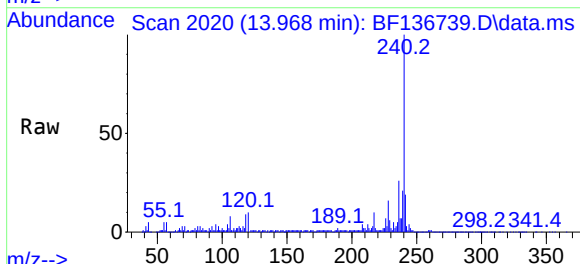
Tgt Ion:202 Resp: 221277
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.3
203 17.3 0.0 37.1

Manual Integrations
APPROVED

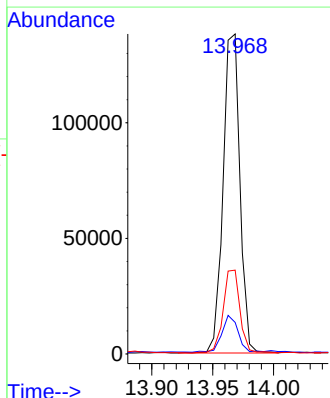
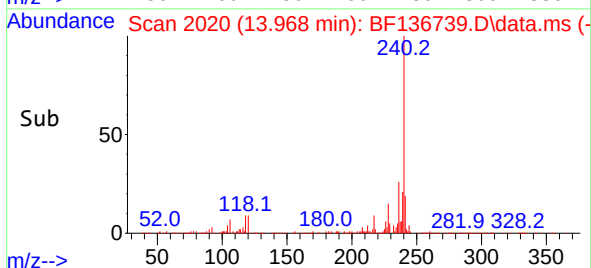
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

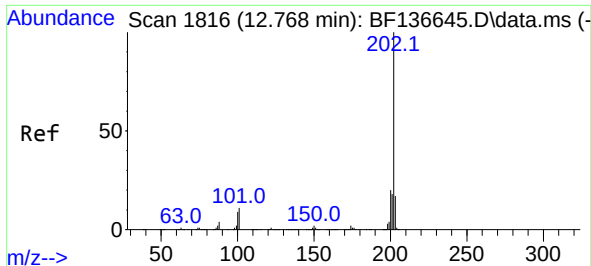


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41



Tgt Ion:240 Resp: 132779
Ion Ratio Lower Upper
240 100
120 9.9 10.3 15.5#
236 26.2 19.4 29.2





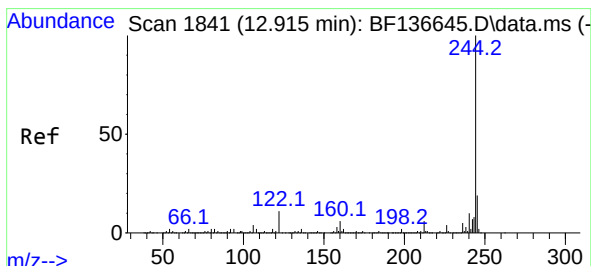
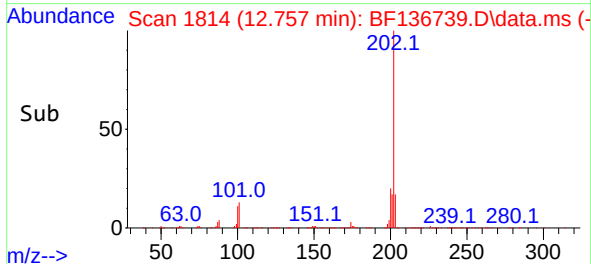
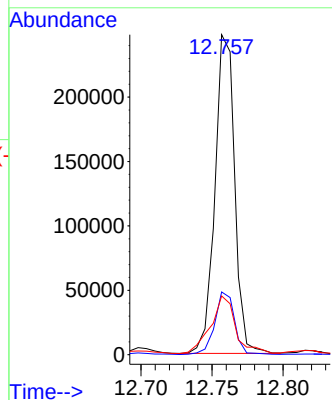
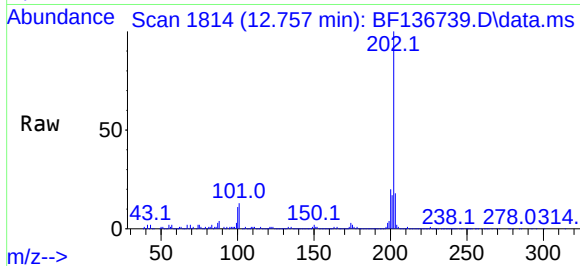
#78
Pyrene
Concen: 18.290 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :
BNA_F
ClientSampleId :
JC-03-111523B

Tgt Ion:202 Resp: 238390
Ion Ratio Lower Upper
202 100
200 19.6 15.9 23.9
203 18.3 13.8 20.6

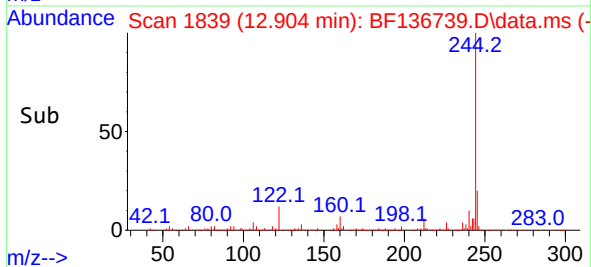
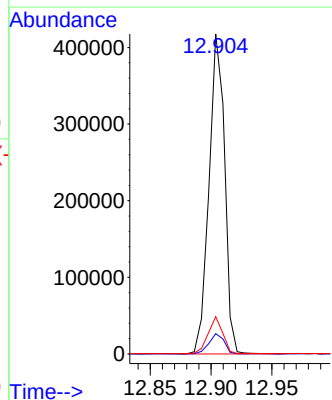
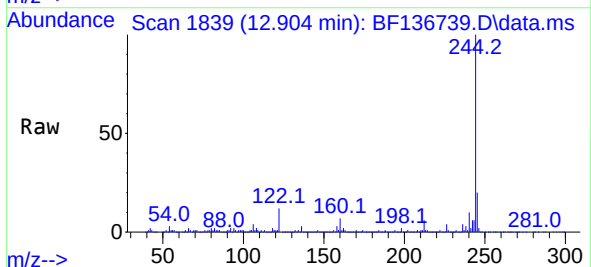
Manual Integrations
APPROVED

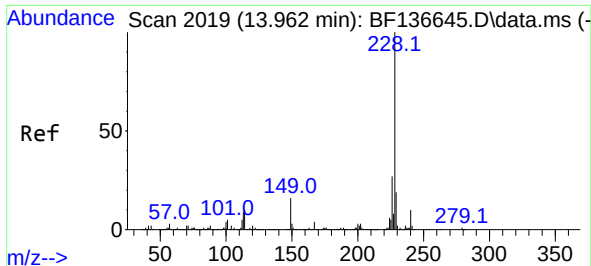
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#79
Terphenyl-d14
Concen: 39.200 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

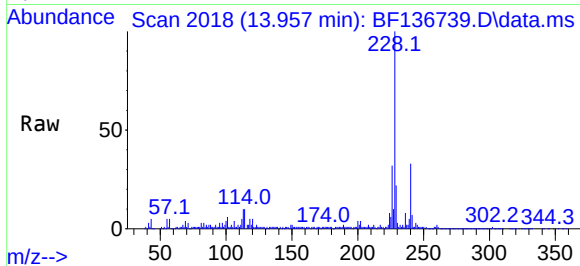
Tgt Ion:244 Resp: 372456
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 11.7 9.0 13.4





#81
Benzo(a)anthracene
Concen: 15.707 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

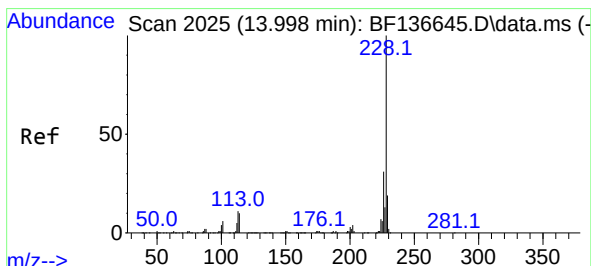
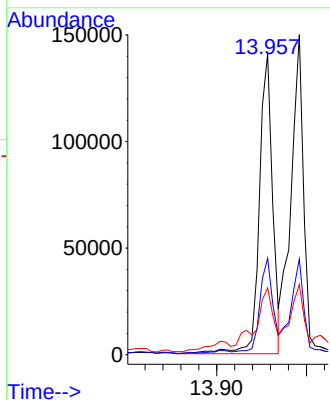
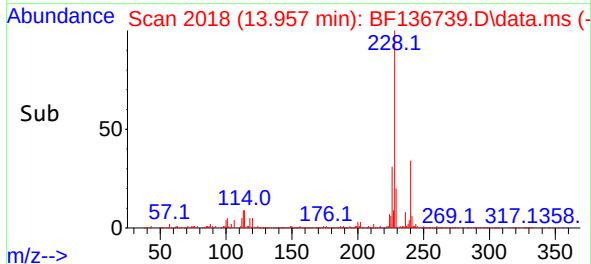
Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



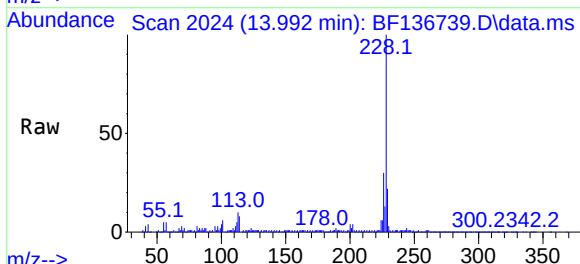
Tgt Ion:228 Resp: 144821
Ion Ratio Lower Upper
228 100
226 32.0 21.4 32.0
229 22.2 14.9 22.3

Manual Integrations
APPROVED

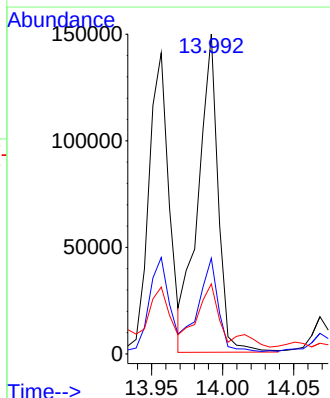
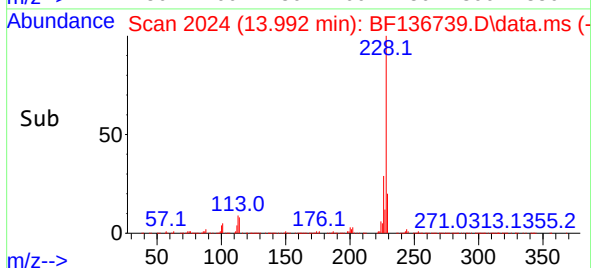
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

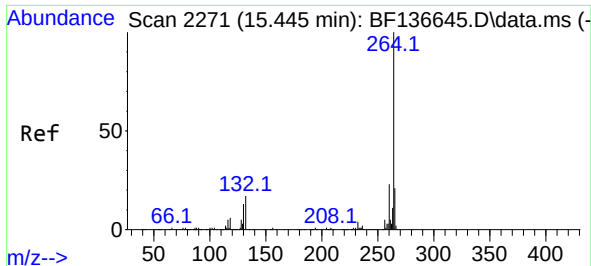


#83
Chrysene
Concen: 16.362 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41



Tgt Ion:228 Resp: 147525
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 21.9 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

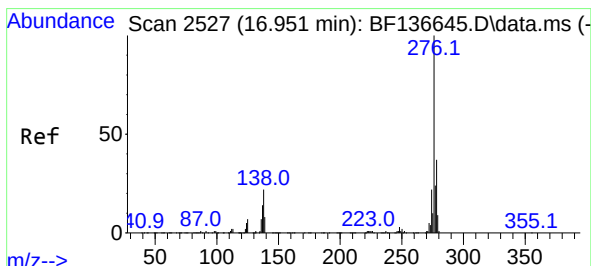
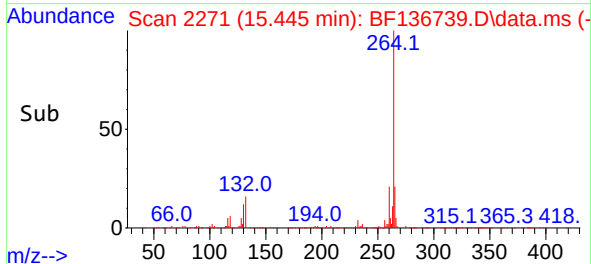
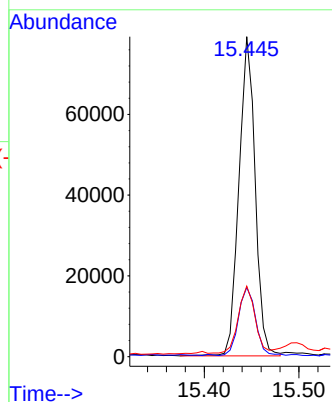
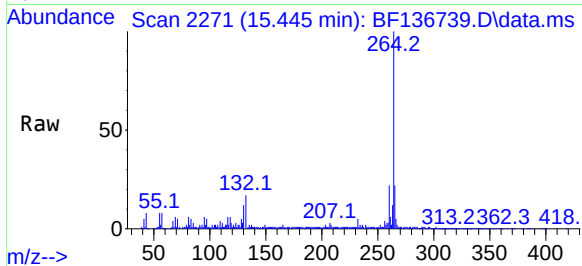
JC-03-111523B

Tgt Ion:264 Resp: 9370
Ion Ratio Lower Upper
264 100
260 21.6 18.3 27.5
265 22.0 17.0 25.6

Manual Integrations

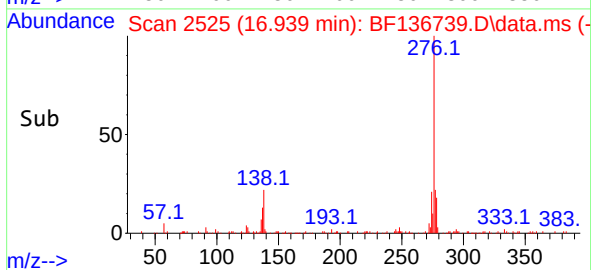
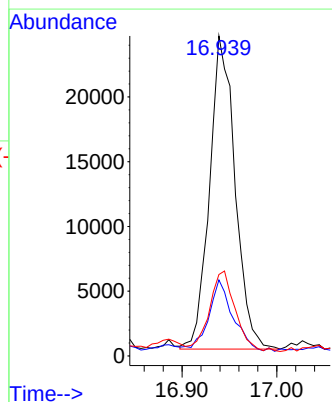
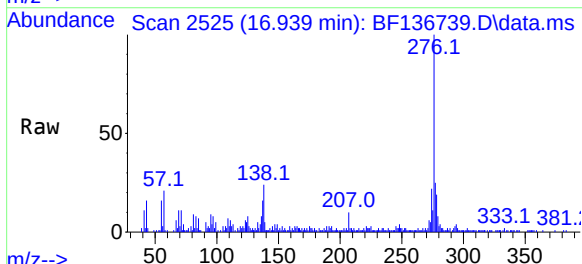
APPROVED

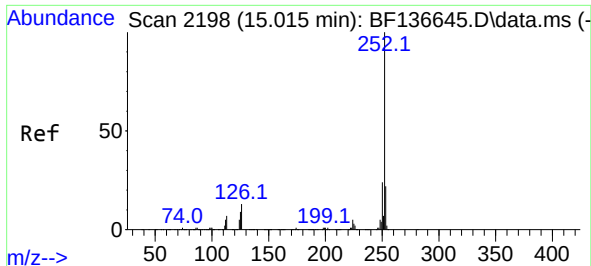
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.696 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Tgt Ion:276 Resp: 45300
Ion Ratio Lower Upper
276 100
138 21.5 18.7 28.1
277 26.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 19.438 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

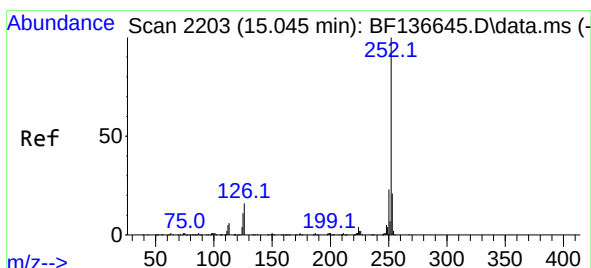
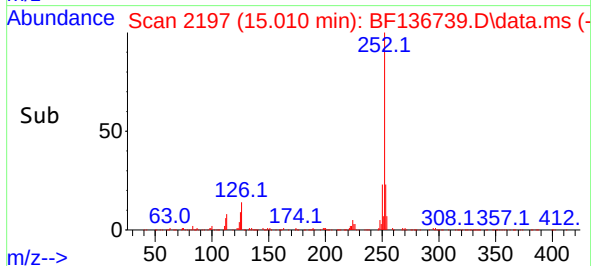
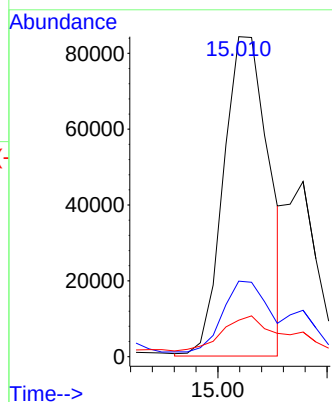
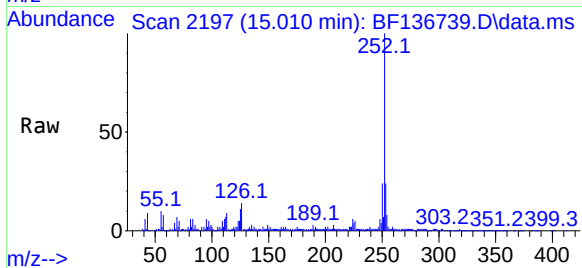
JC-03-111523B

Tgt Ion:252 Resp: 12165
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.4 7.4 11.2

Manual Integrations

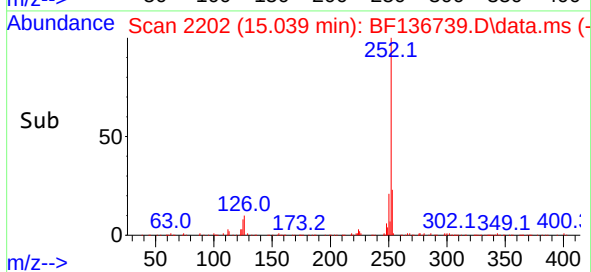
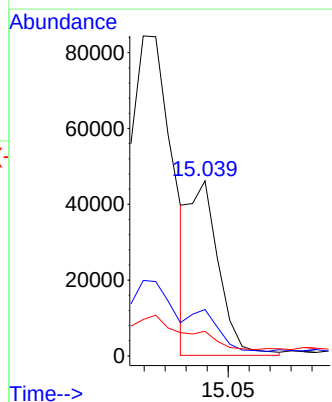
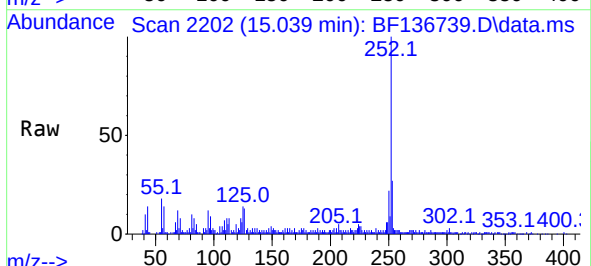
APPROVED

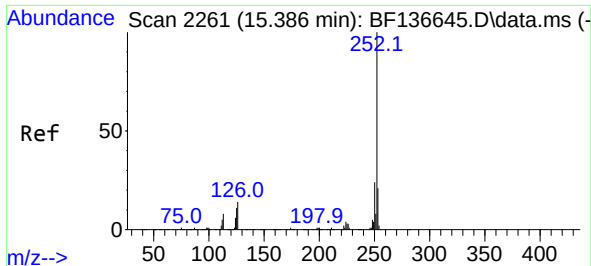
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#89
Benzo(k)fluoranthene
Concen: 7.541 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Tgt Ion:252 Resp: 44595
Ion Ratio Lower Upper
252 100
253 26.5 17.0 25.6#
125 14.1 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 15.044 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

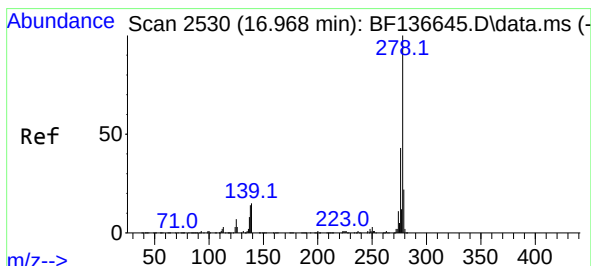
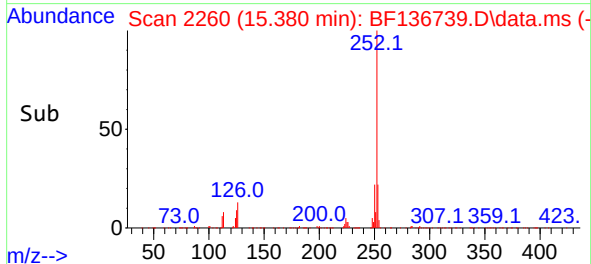
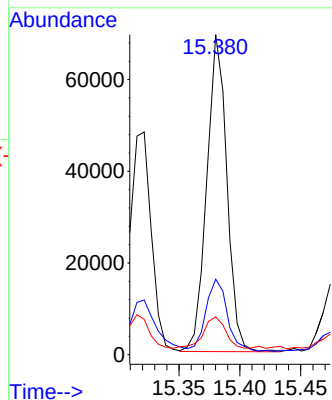
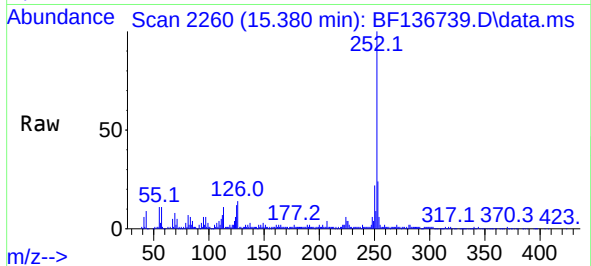
JC-03-111523B

Tgt Ion:252 Resp: 7947
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 11.8 8.8 13.2

Manual Integrations

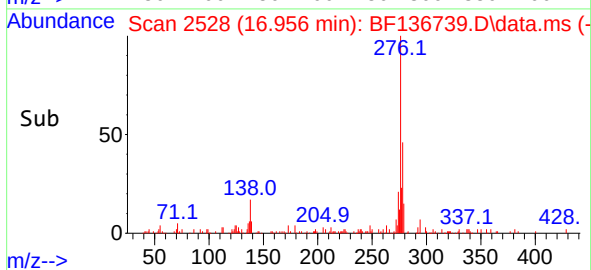
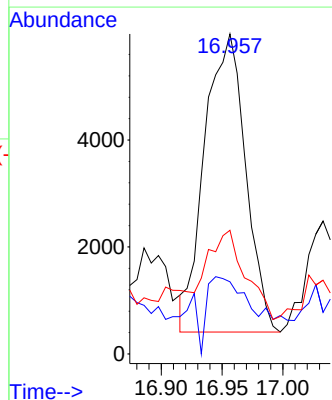
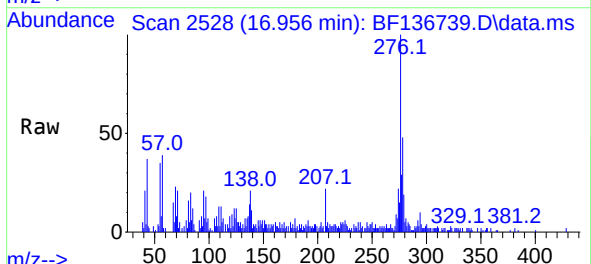
APPROVED

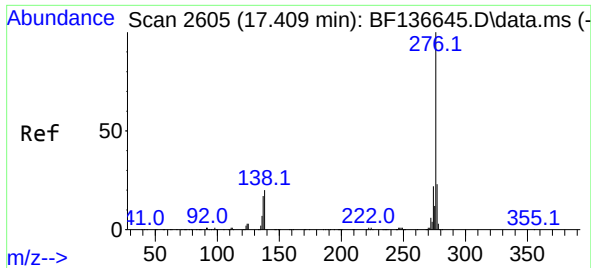
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.349 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

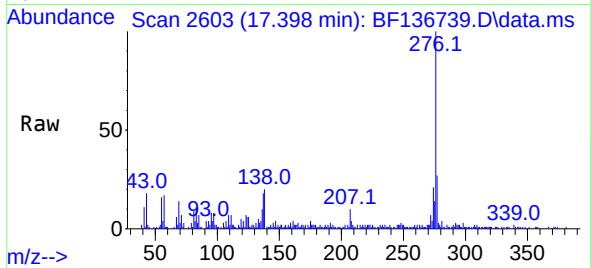
Tgt Ion:278 Resp: 13038
Ion Ratio Lower Upper
278 100
139 22.6 12.2 18.4#
279 38.7 17.8 26.6#





#92
Benzo(g,h,i)perylene
Concen: 8.148 ng
RT: 17.398 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136739.D
Acq: 27 Dec 2023 01:41

Instrument :
BNA_F
ClientSampleId :
JC-03-111523B



Tgt Ion:276 Resp: 46318
Ion Ratio Lower Upper
276 100
277 27.2 18.3 27.5
138 20.5 15.6 23.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

