

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136314.D
 Acq On : 30 Nov 2023 15:24
 Operator : CG\JU
 Sample : 05503-02DL2 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 358DL2

Manual Integrations
 APPROVED

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

Quant Time: Nov 30 15:50:47 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	126689	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	519488	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	249893	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	396114	20.000	ng	0.00
76) Chrysene-d12	13.980	240	242870	20.000	ng	#-0.01
86) Perylene-d12	15.462	264	268668	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	14362	1.578	ng	-0.01
7) Phenol-d6	6.428	99	21047	1.849	ng	-0.02
23) Nitrobenzene-d5	7.357	82	12289	1.250	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	4067	1.331	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	28657	1.465	ng	-0.01
79) Terphenyl-d14	12.921	244	24053	1.142	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	96429	3.302	ng	96
37) 2-Methylnaphthalene	8.792	142	64119	3.501	ng	90
38) 1-Methylnaphthalene	8.892	142	37453	2.096	ng	86
52) Acenaphthene	9.869	154	97275	6.303	ng	89
55) Dibenzofuran	10.039	168	107452	4.679	ng	# 98
58) Fluorene	10.386	166	141702	7.866	ng	93
71) Phenanthrene	11.357	178	587895	26.406	ng	99
72) Anthracene	11.404	178	80980	3.627	ng	97
75) Fluoranthene	12.545	202	351242	15.541	ng	95
78) Pyrene	12.774	202	242742m	9.126	ng	
81) Benzo(a)anthracene	13.968	228	80216	4.447	ng	96
83) Chrysene	14.004	228	57089m	3.278	ng	
87) Indeno(1,2,3-cd)pyrene	16.956	276	9292m	3.116	ng	
88) Benzo(b)fluoranthene	15.027	252	50137m	2.660	ng	
92) Benzo(g,h,i)perylene	17.409	276	6370	2.279	ng	94

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

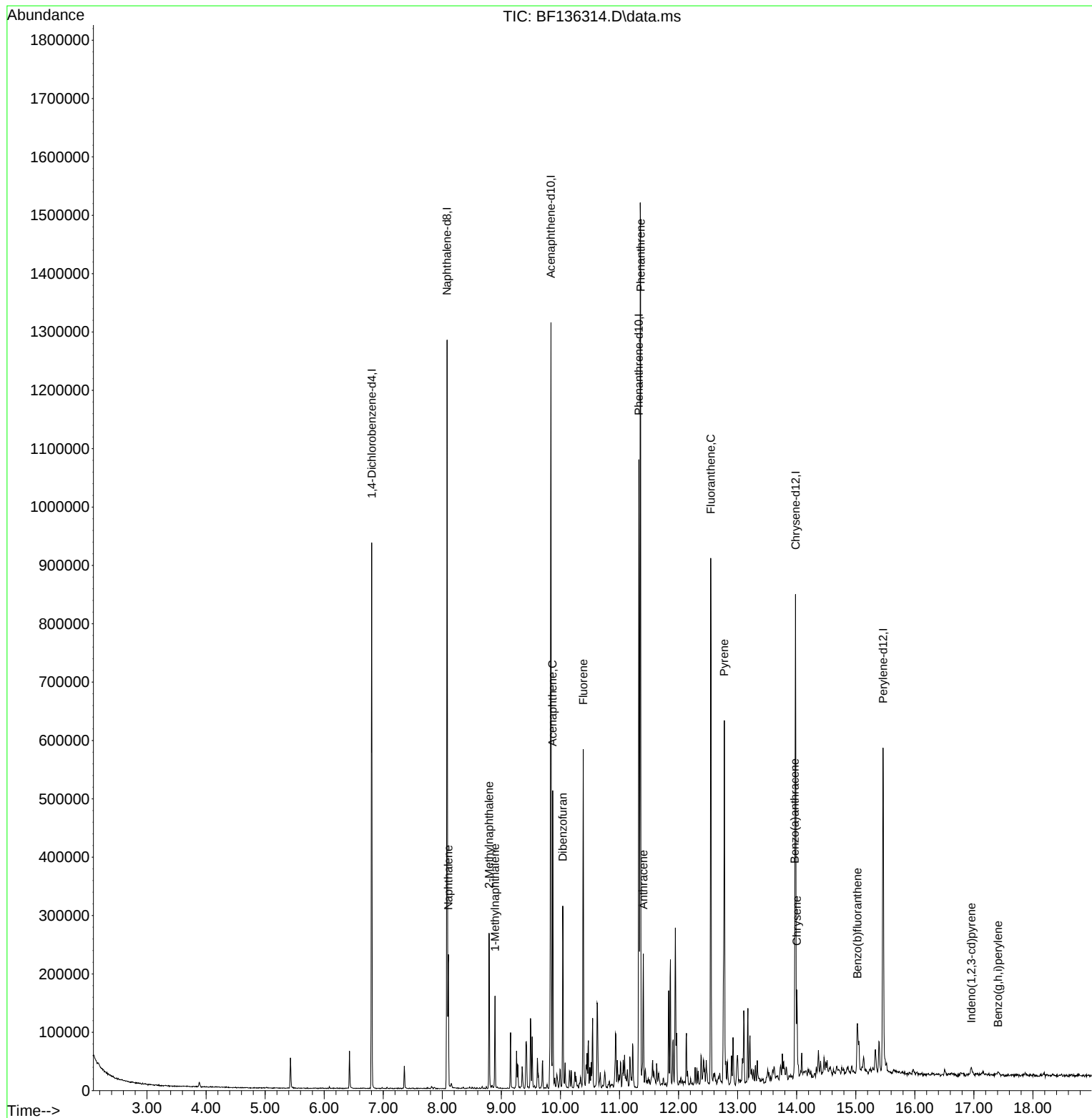
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
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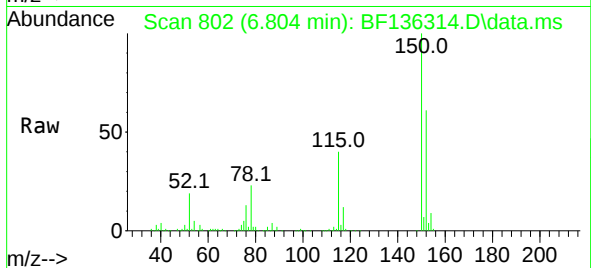
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

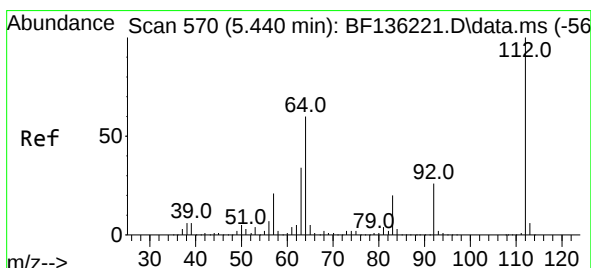
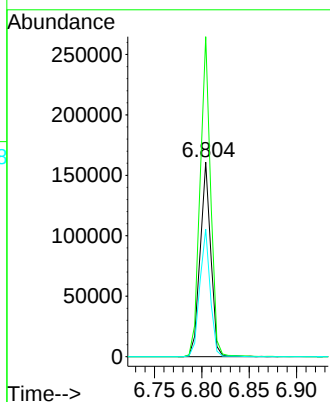
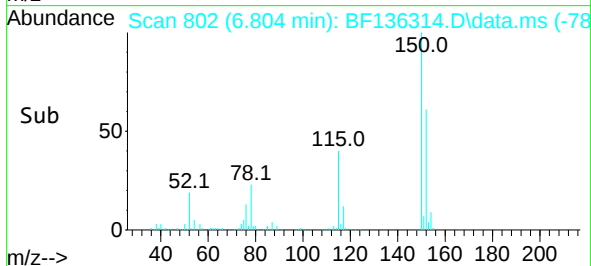
Instrument :
BNA_F
ClientSampleId :
358DL2



Tgt Ion:152 Resp: 126689
Ion Ratio Lower Upper
152 100
150 164.5 137.8 206.8
115 65.5 52.7 79.1

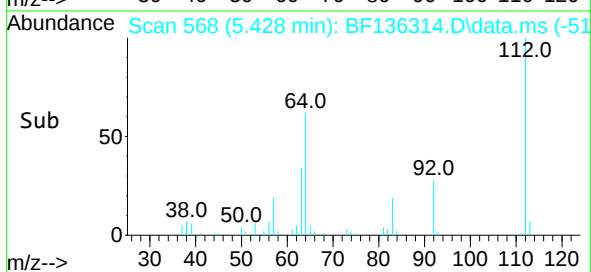
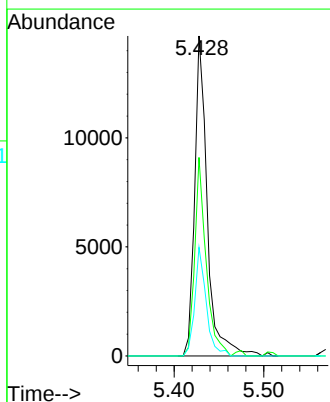
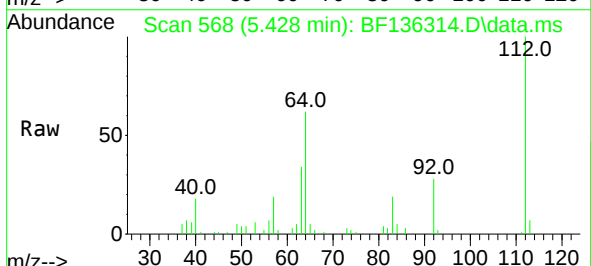
Manual Integrations
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#5
2-Fluorophenol
Concen: 1.578 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Tgt Ion:112 Resp: 14362
Ion Ratio Lower Upper
112 100
64 62.0 48.2 72.4
63 33.9 27.0 40.6





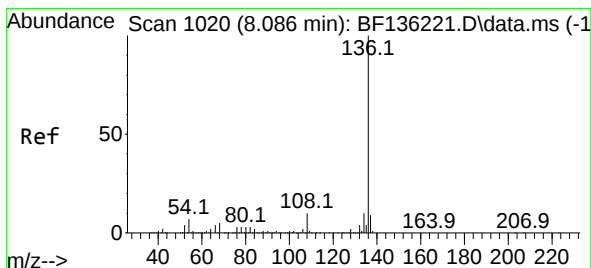
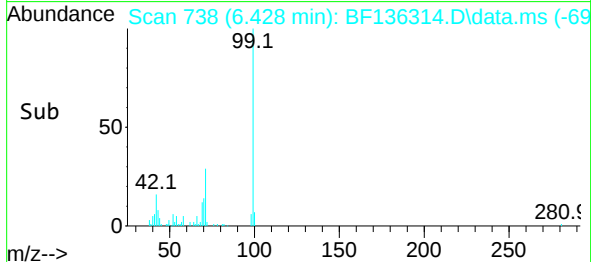
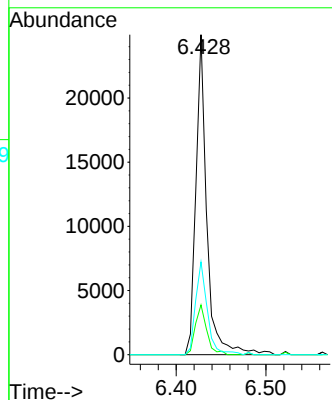
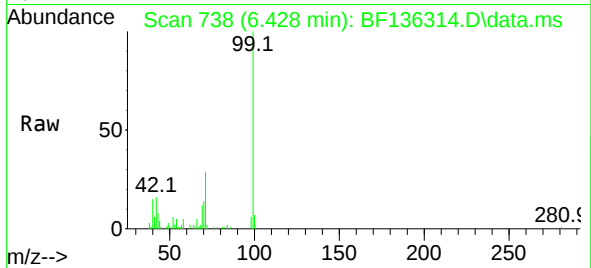
#7
Phenol-d6
Concen: 1.849 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Instrument :
BNA_F
ClientSampleId :
358DL2

Tgt Ion: 99 Resp: 2104
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.6
71 29.0 28.9 43.3

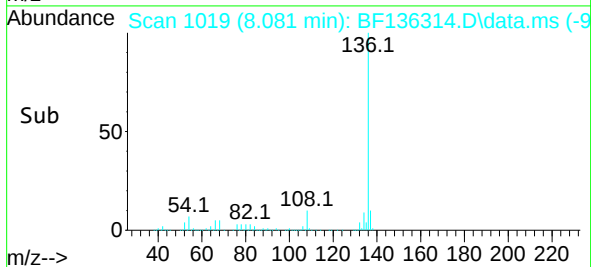
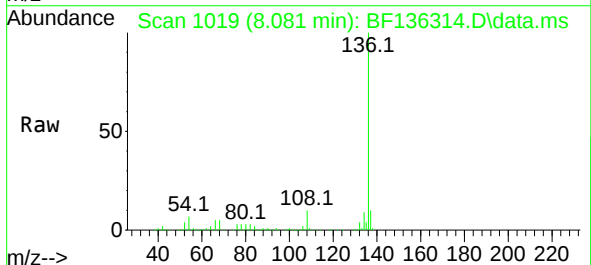
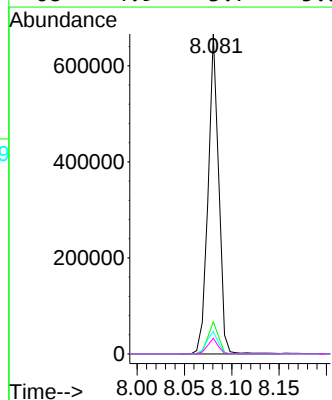
Manual Integrations
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Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Tgt Ion:136 Resp: 519488
Ion Ratio Lower Upper
136 100
137 10.1 7.4 11.2
54 7.0 5.5 8.3
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 1.250 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

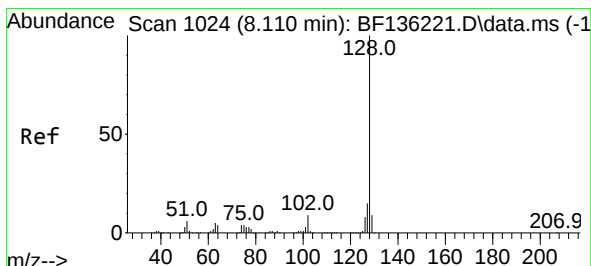
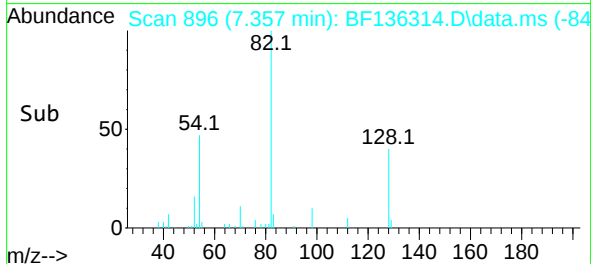
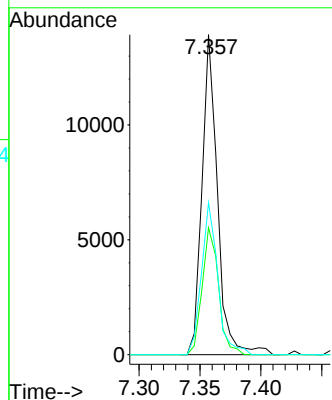
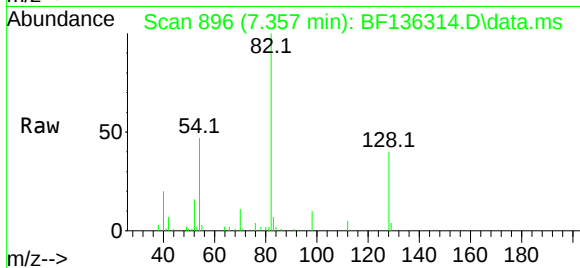
Tgt Ion:	82	Resp:	12289
Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.4	50.2
54	47.5	41.7	62.5

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#31

Naphthalene

Concen: 3.302 ng

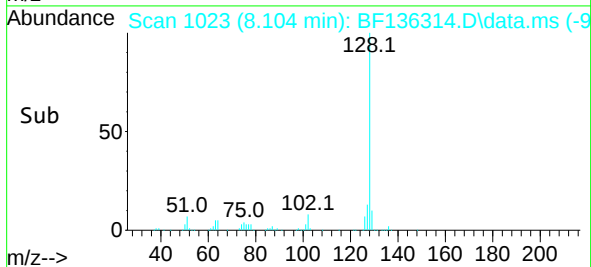
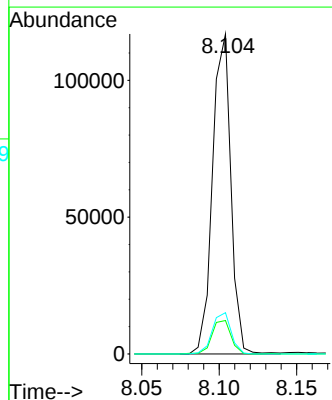
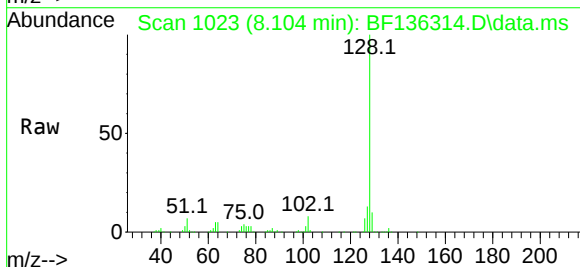
RT: 8.104 min Scan# 1023

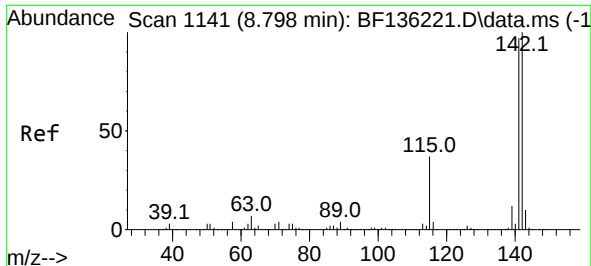
Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Tgt Ion:	128	Resp:	96429
Ion	Ratio	Lower	Upper
128	100		
129	10.4	7.3	10.9
127	12.9	11.8	17.6





#37

2-Methylnaphthalene

Concen: 3.501 ng

RT: 8.792 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

Tgt Ion:142 Resp: 64119

Ion Ratio Lower Upper

142 100

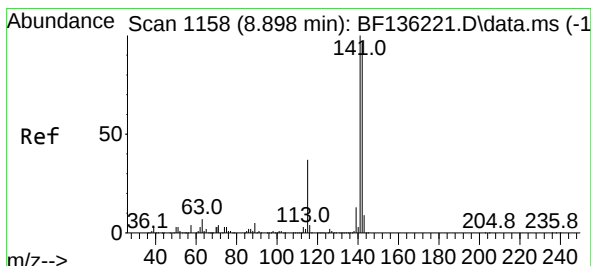
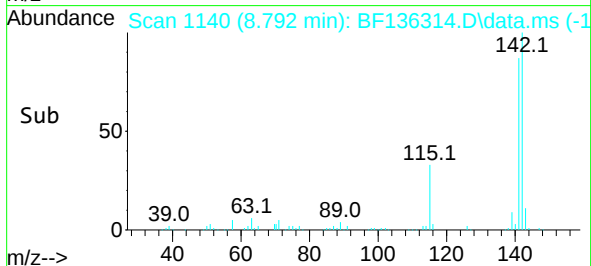
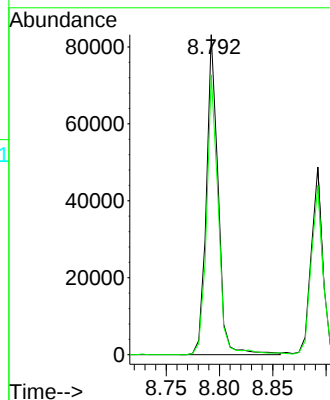
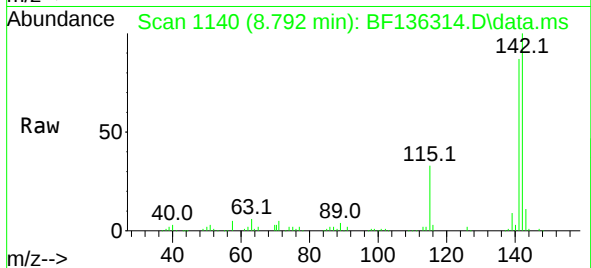
141 87.4 77.8 116.8

Manual Integrations

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Supervised By :mohammad ahmed 12/01/2023



#38

1-Methylnaphthalene

Concen: 2.096 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136314.D

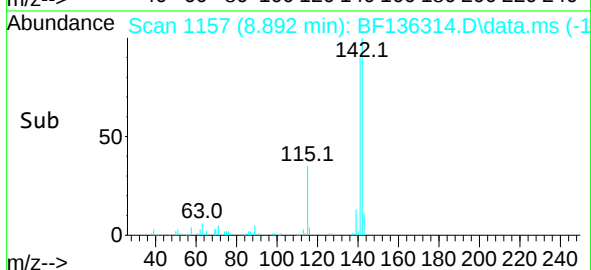
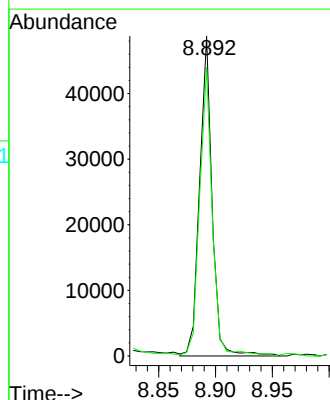
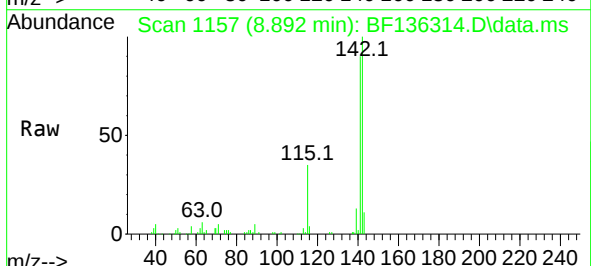
Acq: 30 Nov 2023 15:24

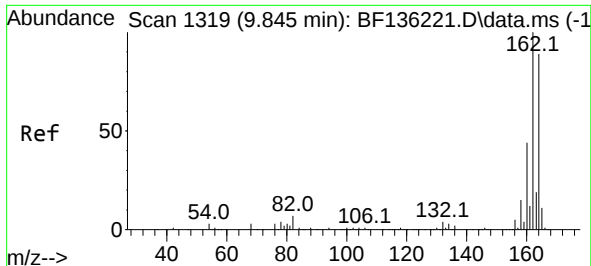
Tgt Ion:142 Resp: 37453

Ion Ratio Lower Upper

142 100

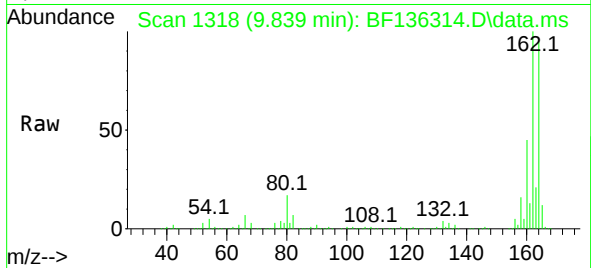
141 90.1 83.8 125.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

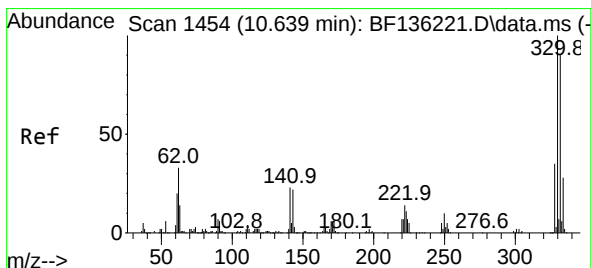
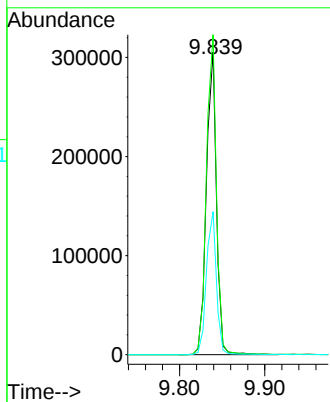
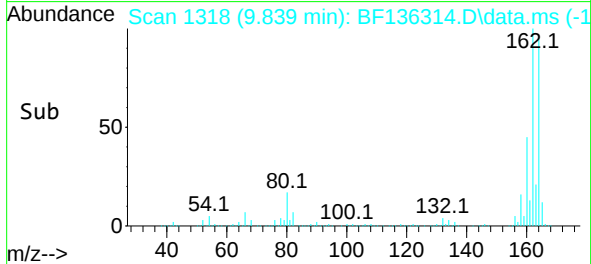
Instrument :
BNA_F
Client SampleId :
358DL2



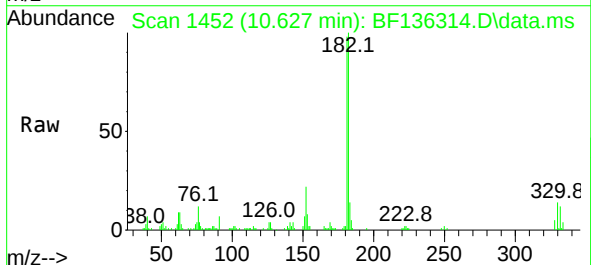
Tgt Ion:164 Resp: 24989
Ion Ratio Lower Upper
164 100
162 105.7 89.5 134.3
160 47.2 39.6 59.4

Manual Integrations
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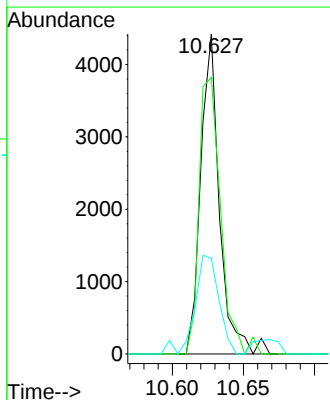
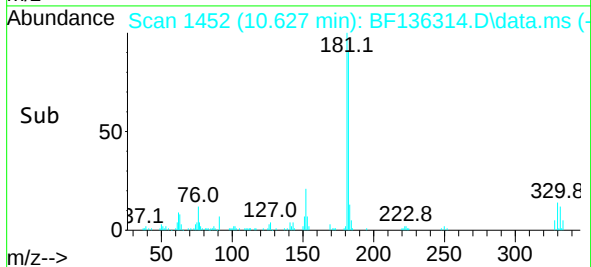
Reviewed By :Yogesh Patel 12/01/2023
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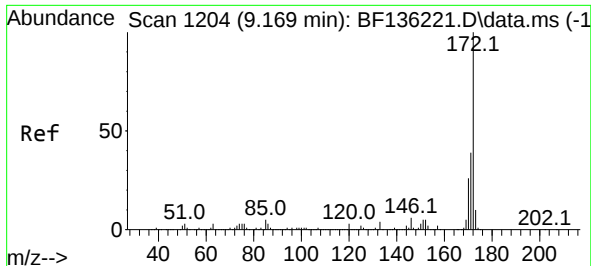


#42
2,4,6-Tribromophenol
Concen: 1.331 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24



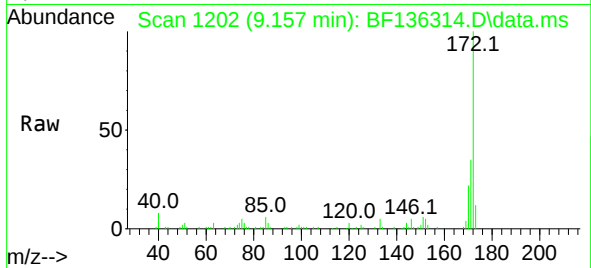
Tgt Ion:330 Resp: 4067
Ion Ratio Lower Upper
330 100
332 99.6 73.0 109.6
141 39.8 24.2 36.2#





#45
2-Fluorobiphenyl
Concen: 1.465 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

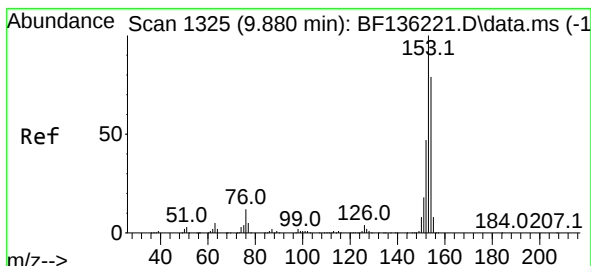
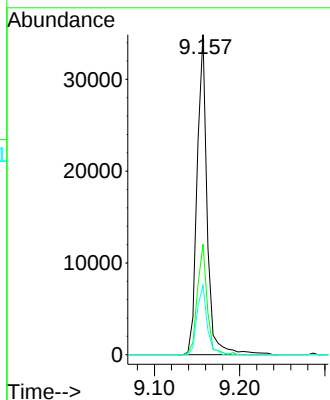
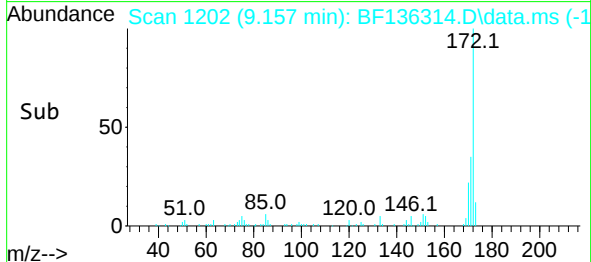
Instrument :
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ClientSampleId :
358DL2



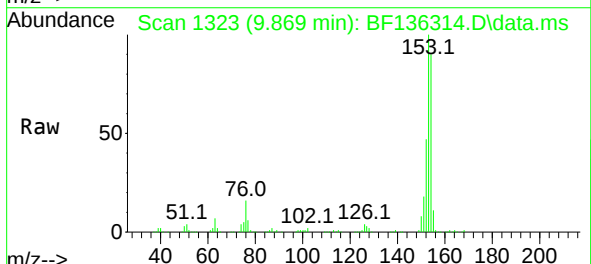
Tgt Ion:172 Resp: 2865
Ion Ratio Lower Upper
172 100
171 34.5 31.5 47.3
170 21.6 20.8 31.2

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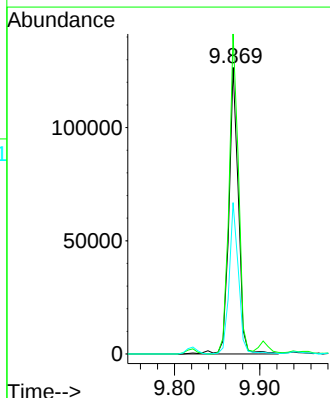
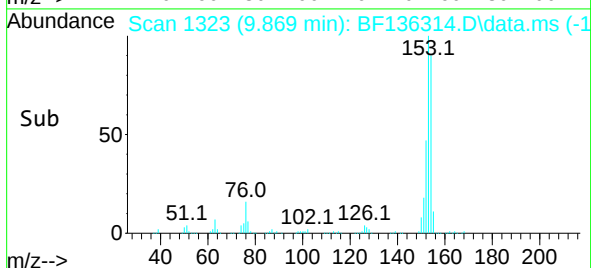
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

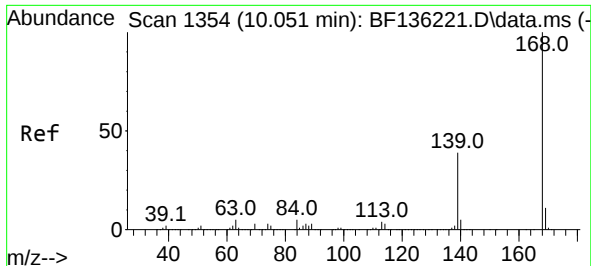


#52
Acenaphthene
Concen: 6.303 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24



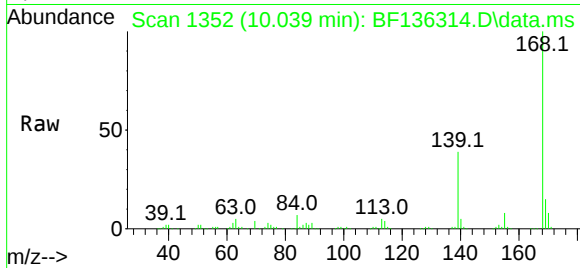
Tgt Ion:154 Resp: 97275
Ion Ratio Lower Upper
154 100
153 111.7 100.8 151.2
152 52.8 47.0 70.6





#55
Dibenzenofuran
Concen: 4.679 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

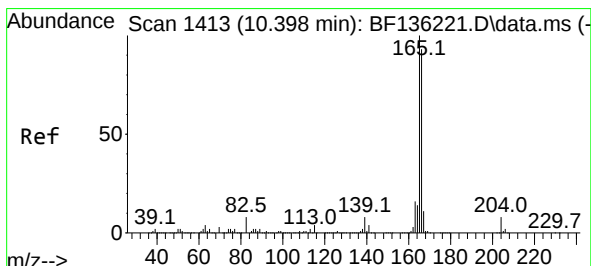
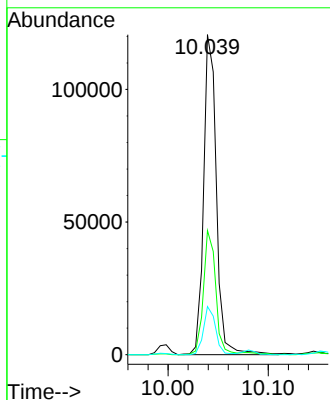
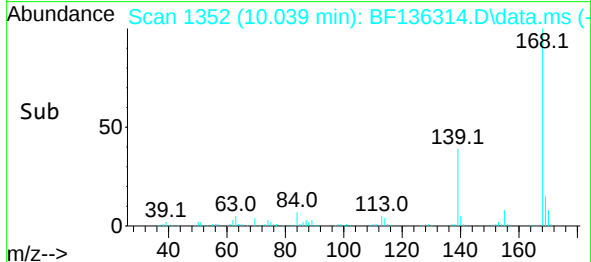
Instrument :
BNA_F
ClientSampleId :
358DL2



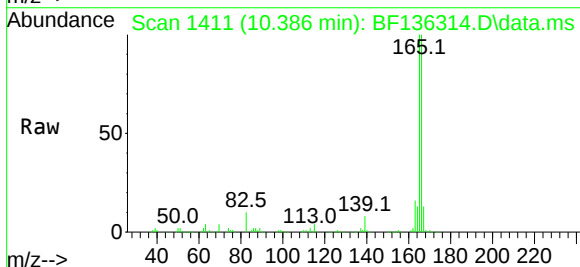
Tgt Ion:168 Resp: 107452
Ion Ratio Lower Upper
168 100
139 38.8 30.9 46.3
169 15.1 9.1 13.7

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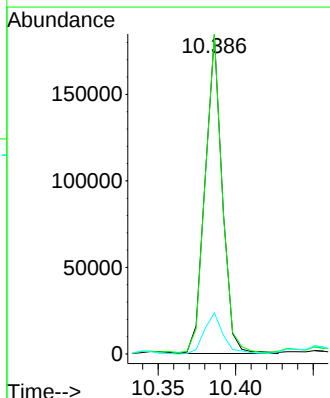
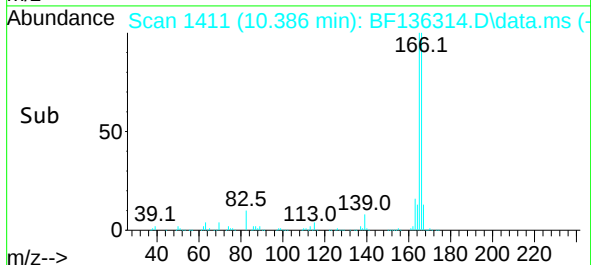
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

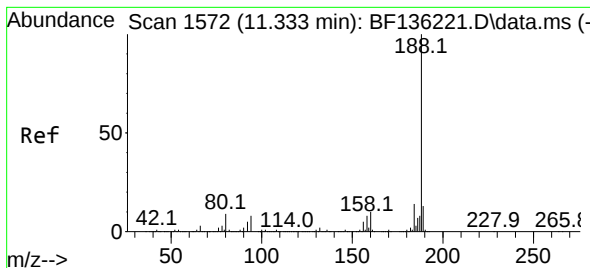


#58
Fluorene
Concen: 7.866 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24



Tgt Ion:166 Resp: 141702
Ion Ratio Lower Upper
166 100
165 100.2 86.2 129.4
167 12.9 9.1 13.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

Tgt Ion:188 Resp: 396114

Ion Ratio Lower Upper

188 100

94 9.1 6.7 10.1

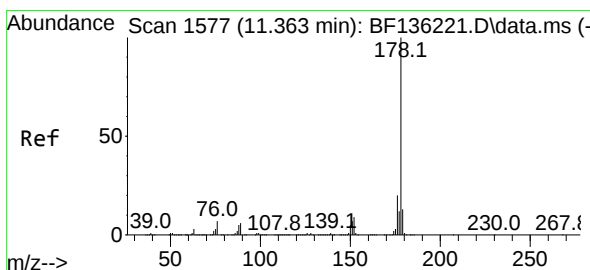
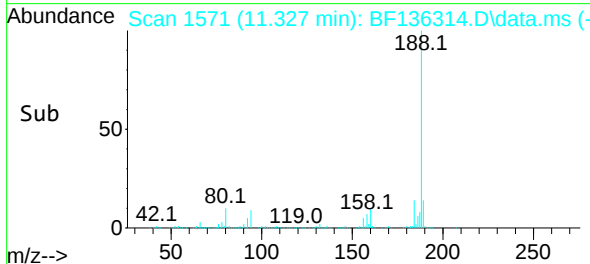
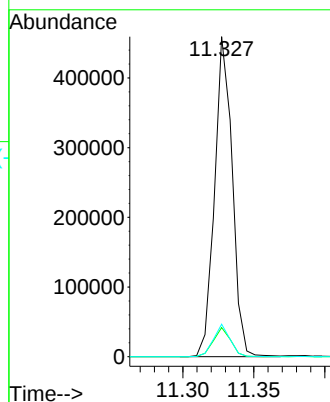
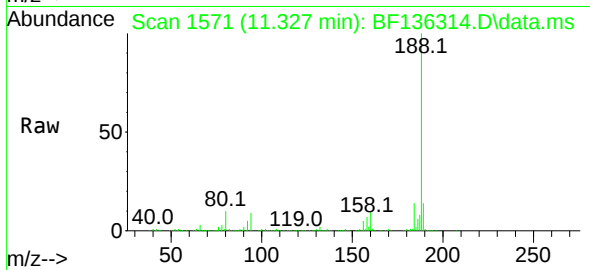
80 10.2 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#71

Phenanthrene

Concen: 26.406 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

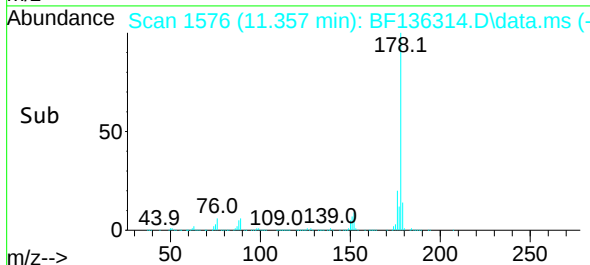
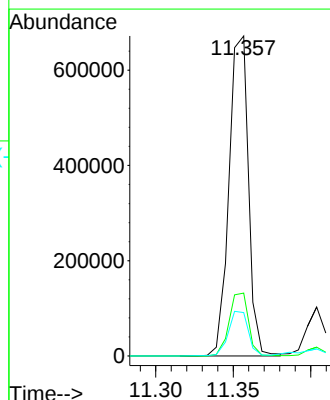
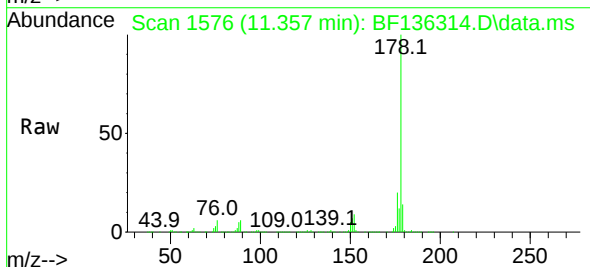
Tgt Ion:178 Resp: 587895

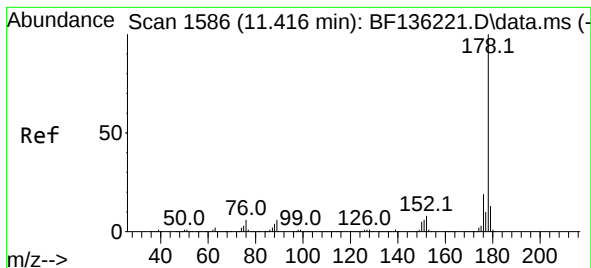
Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

179 13.6 10.3 15.5





#72

Anthracene

Concen: 3.627 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

Tgt Ion:178 Resp: 80980

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

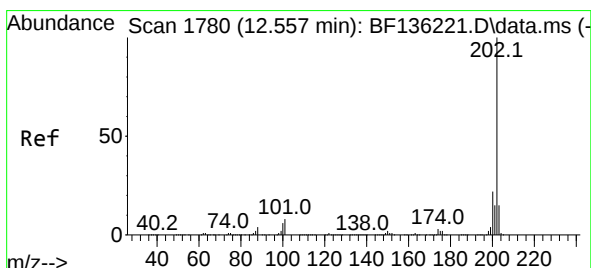
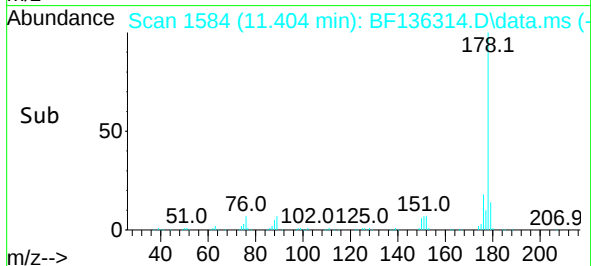
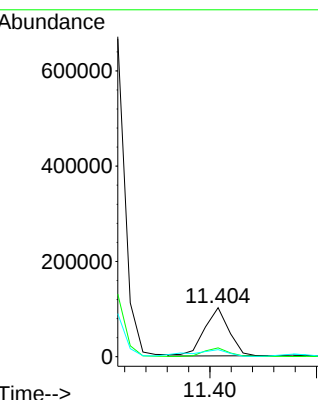
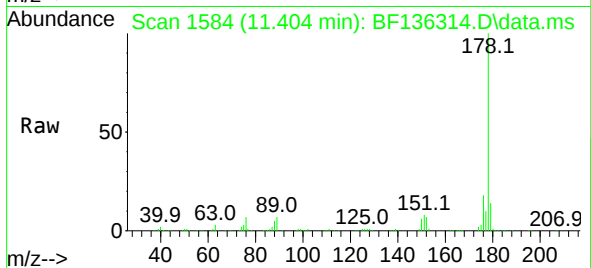
179 14.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#75

Fluoranthene

Concen: 15.541 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

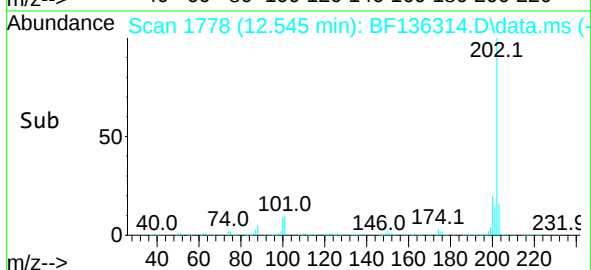
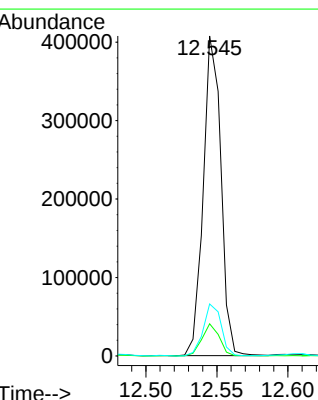
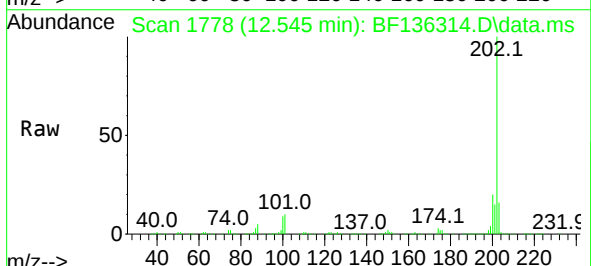
Tgt Ion:202 Resp: 351242

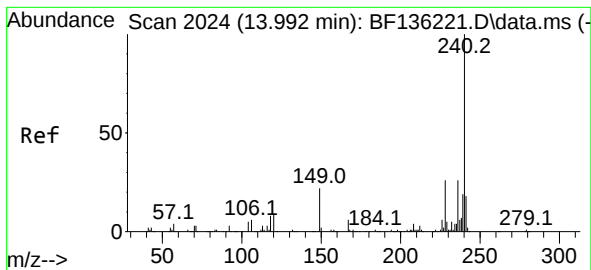
Ion Ratio Lower Upper

202 100

101 10.0 0.0 27.8

203 16.3 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

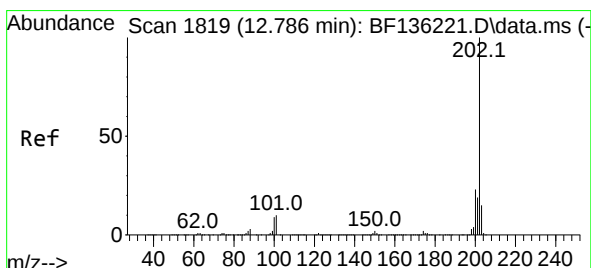
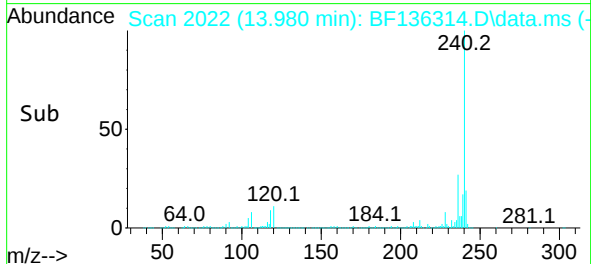
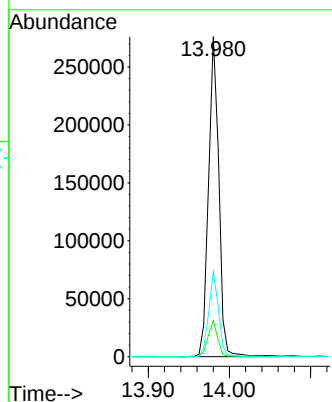
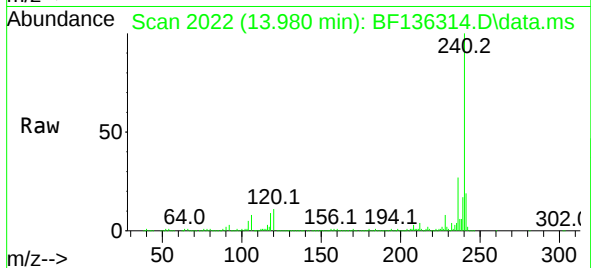
358DL2

Tgt Ion:240 Resp: 242870
Ion Ratio Lower Upper
240 100
120 11.3 7.4 11.2
236 26.5 21.1 31.7

Manual Integrations

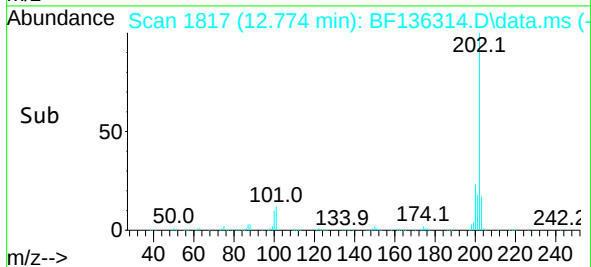
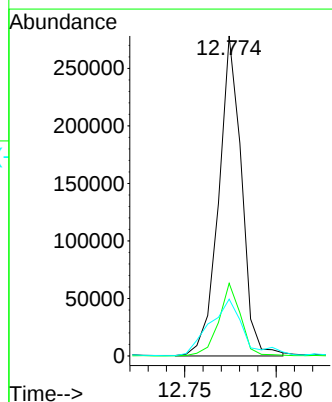
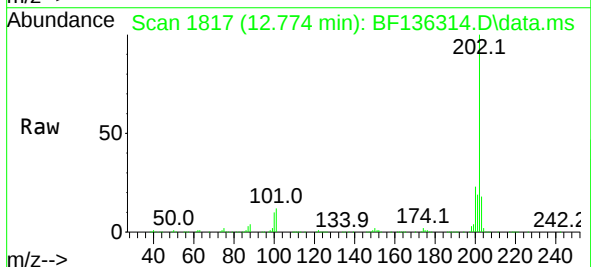
APPROVED

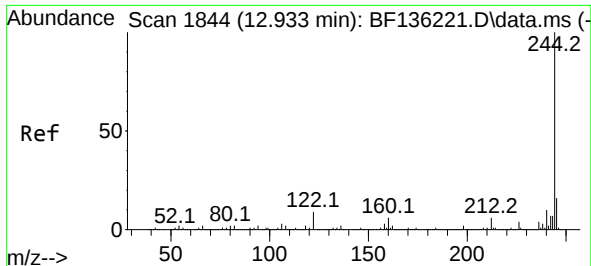
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#78
Pyrene
Concen: 9.126 ng m
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Tgt Ion:202 Resp: 242742
Ion Ratio Lower Upper
202 100
200 22.7 18.4 27.6
203 17.8 11.8 17.6#





#79

Terphenyl-d14

Concen: 1.142 ng

RT: 12.921 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

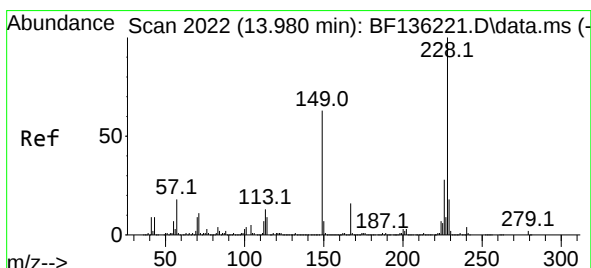
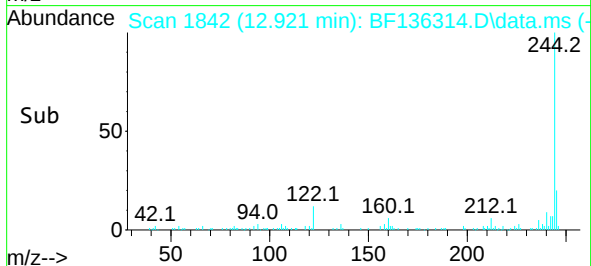
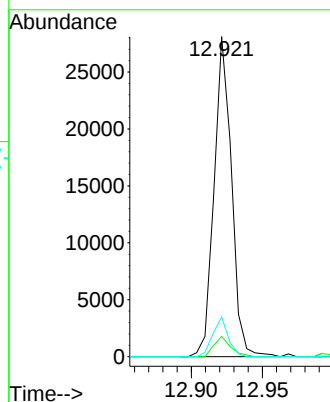
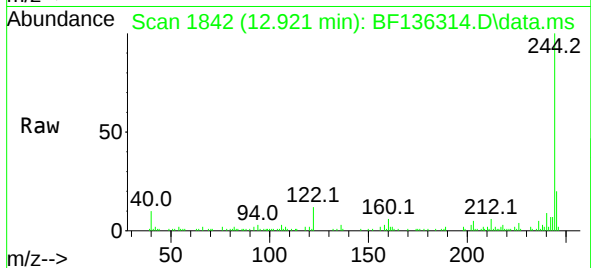
Tgt Ion:244	Resp:	2405
Ion Ratio	Lower	Upper
244	100	
212	6.4	4.6 7.0
122	12.5	7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#81

Benzo(a)anthracene

Concen: 4.447 ng

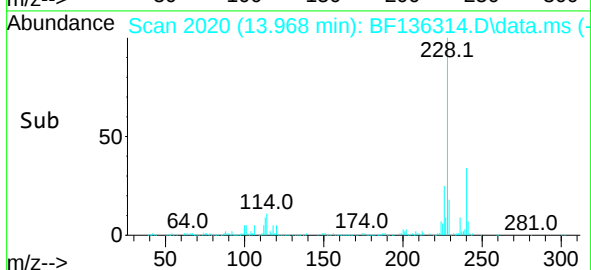
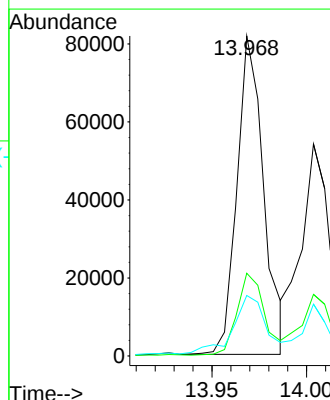
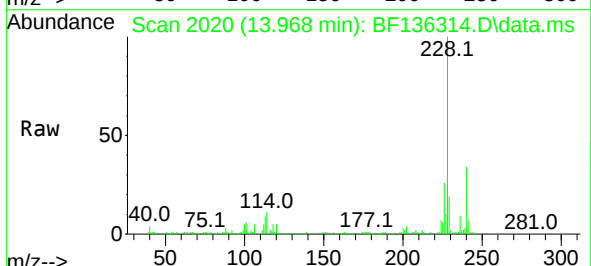
RT: 13.968 min Scan# 2020

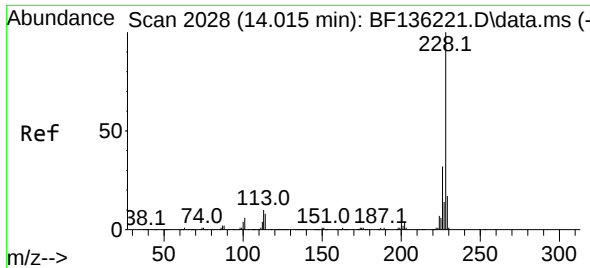
Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

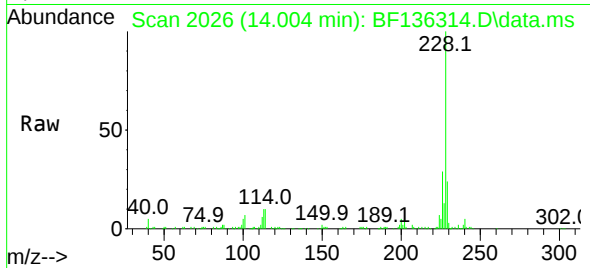
Tgt Ion:228	Resp:	80216
Ion Ratio	Lower	Upper
228	100	
226	25.9	22.6 34.0
229	18.9	14.0 21.0





#83
Chrysene
Concen: 3.278 ng m
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

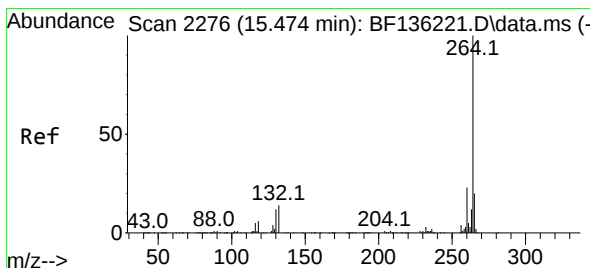
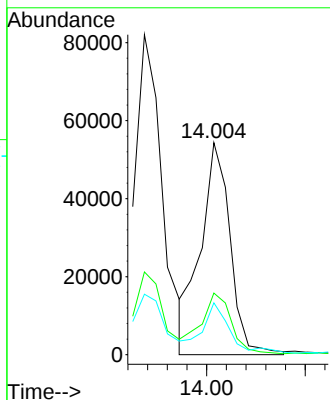
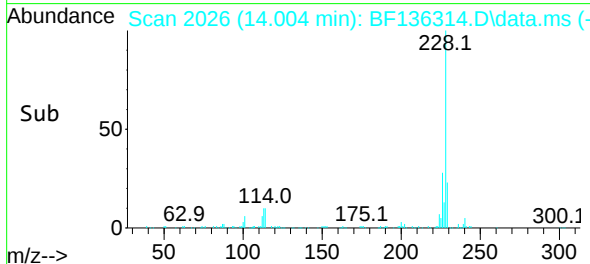
Instrument :
BNA_F
ClientSampleId :
358DL2



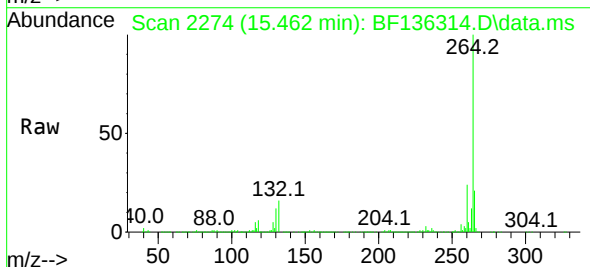
Tgt Ion:228 Resp: 57089
Ion Ratio Lower Upper
228 100
226 29.0 25.5 38.3
229 24.4 13.9 20.9

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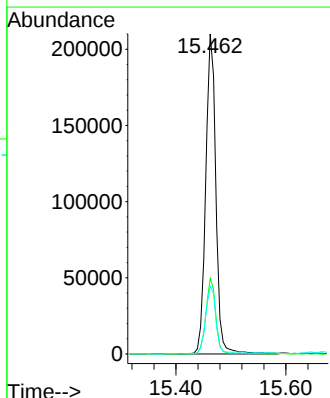
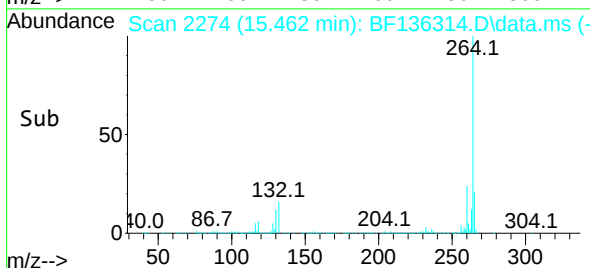
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

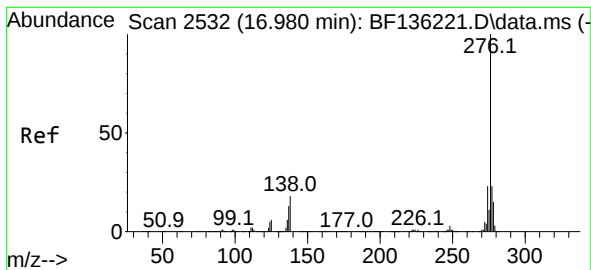


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24



Tgt Ion:264 Resp: 268668
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.2 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.116 ng m

RT: 16.956 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

358DL2

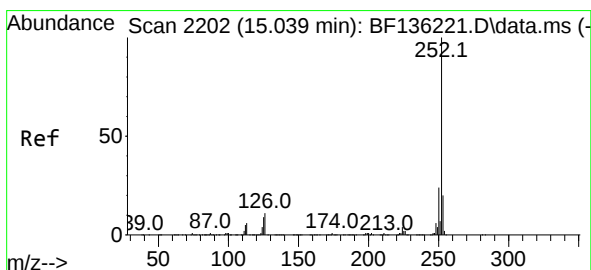
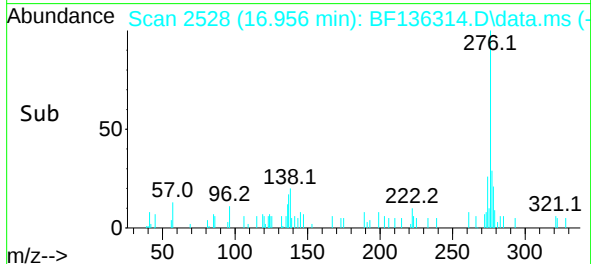
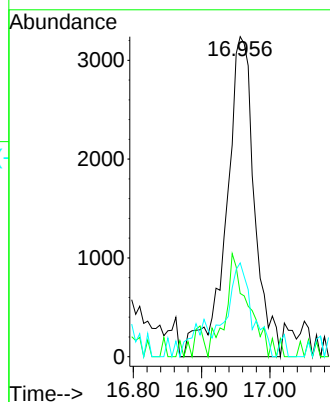
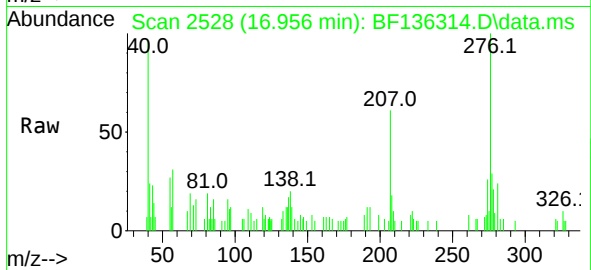
Tgt Ion:	276	Resp:	929
Ion Ratio	Lower	Upper	
276	100		
138	5.9	17.7	26.5
277	6.4	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#88

Benzo(b)fluoranthene

Concen: 2.660 ng m

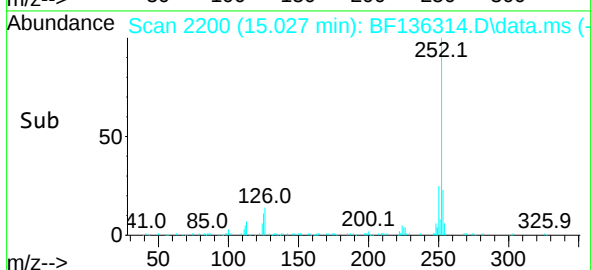
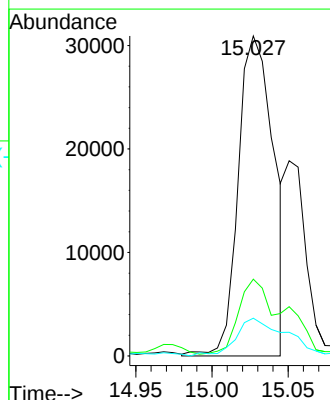
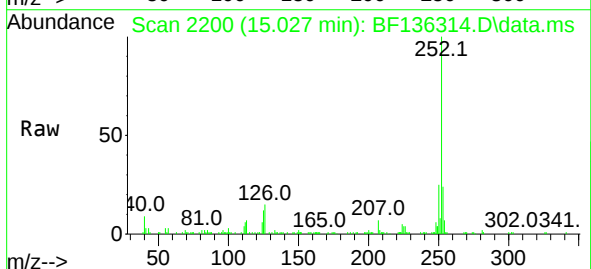
RT: 15.027 min Scan# 2200

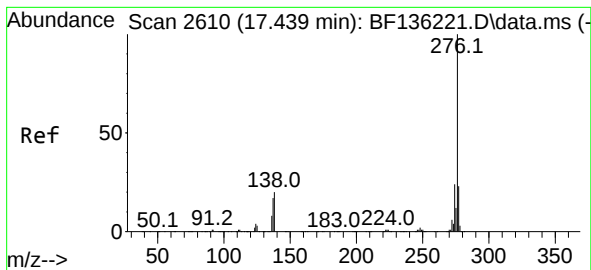
Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

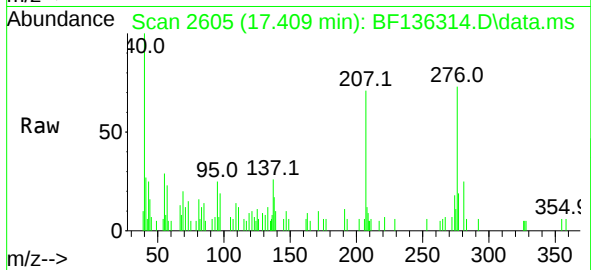
Tgt Ion:	252	Resp:	50137
Ion Ratio	Lower	Upper	
252	100		
253	24.0	16.2	24.2
125	11.8	6.9	10.3





#92
Benzo(g,h,i)perylene
Concen: 2.279 ng
RT: 17.409 min Scan# 20
Delta R.T. -0.030 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Instrument :
BNA_F
ClientSampleId :
358DL2



Tgt Ion: 276 Resp: 6370
Ion Ratio Lower Upper
276 100
277 25.7 18.6 27.8
138 22.6 15.8 23.8

Manual Integrations
APPROVED

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

