

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136080.D
 Acq On : 01 Nov 2023 16:57
 Operator : CG\JU
 Sample : 04805-06DL 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-1(0-5)DL

Quant Time: Nov 01 22:41:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	131253	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	498915	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	239547	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	357996	20.000	ng	0.00
76) Chrysene-d12	14.016	240	266468	20.000	ng	0.00
86) Perylene-d12	15.510	264	255177	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	150272	17.991	ng	-0.01
7) Phenol-d6	6.445	99	187830	18.049	ng	-0.01
23) Nitrobenzene-d5	7.375	82	101657	12.283	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	38940	15.230	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	210507	14.008	ng	0.00
79) Terphenyl-d14	12.951	244	163702	9.547	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	205081	8.524	ng	99
37) 2-Methylnaphthalene	8.816	142	58644	3.635	ng	99
38) 1-Methylnaphthalene	8.916	142	95852	6.385	ng	98
46) 1,1'-Biphenyl	9.281	154	42694	2.338	ng	96
49) Acenaphthylene	9.722	152	242272	11.536	ng	99
52) Acenaphthene	9.892	154	36493	2.733	ng	97
55) Dibenzofuran	10.069	168	71193	3.657	ng	# 96
58) Fluorene	10.410	166	102448	7.029	ng	97
71) Phenanthrene	11.380	178	783579	43.471	ng	99
72) Anthracene	11.427	178	277750	15.038	ng	99
75) Fluoranthene	12.580	202	788507	42.582	ng	97
78) Pyrene	12.810	202	1040897	44.306	ng	100
81) Benzo(a)anthracene	14.004	228	547543m	31.038	ng	
83) Chrysene	14.045	228	511747	29.456	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	193635	11.611	ng	97
88) Benzo(b)fluoranthene	15.074	252	585153m	38.754	ng	
89) Benzo(k)fluoranthene	15.098	252	146997m	9.839	ng	
90) Benzo(a)pyrene	15.445	252	485711	34.621	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	56769m	4.156	ng	
92) Benzo(g,h,i)perylene	17.480	276	192357	14.517	ng	98

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

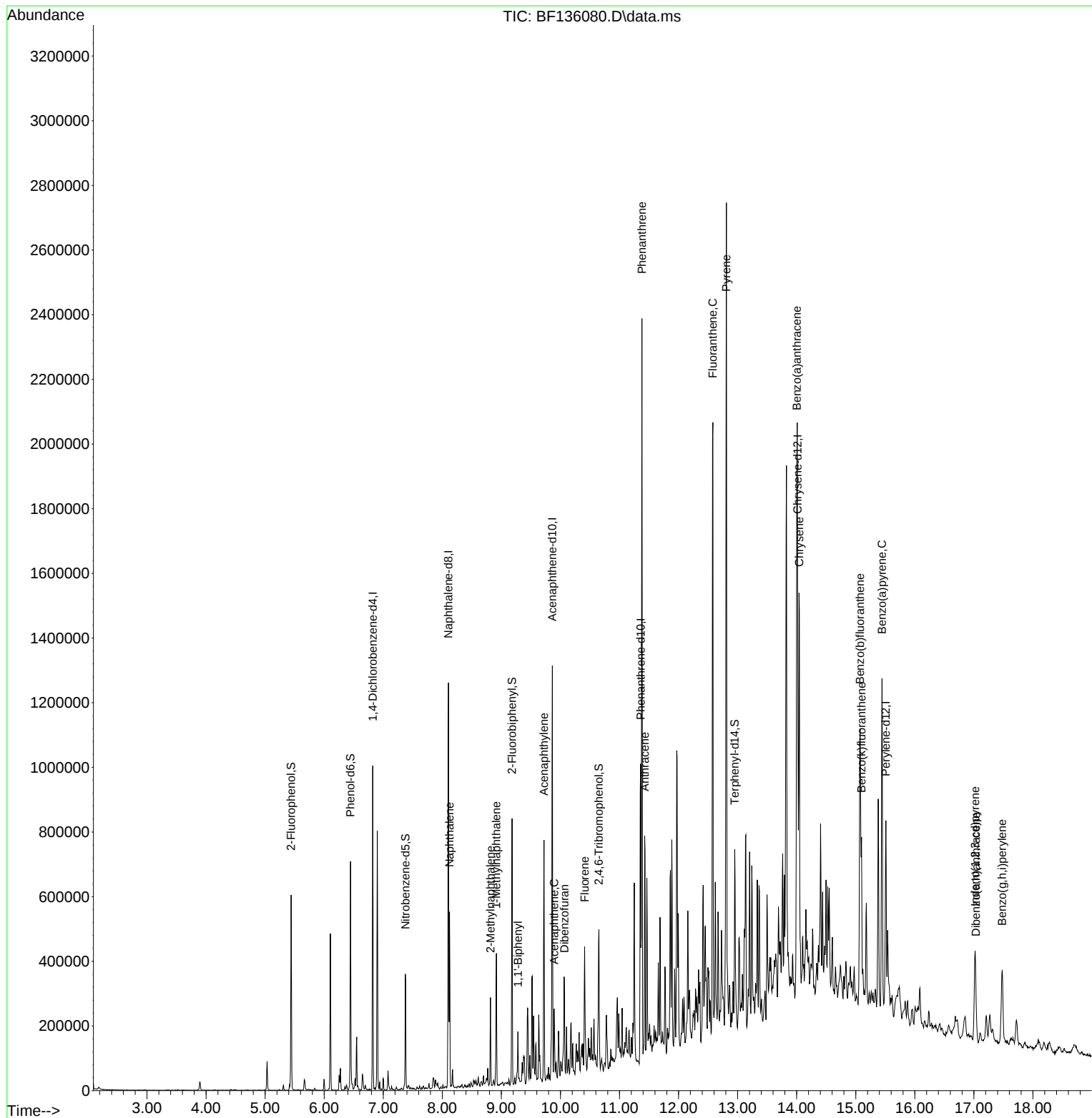
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136080.D
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ALS Vial : 14 Sample Multiplier: 1

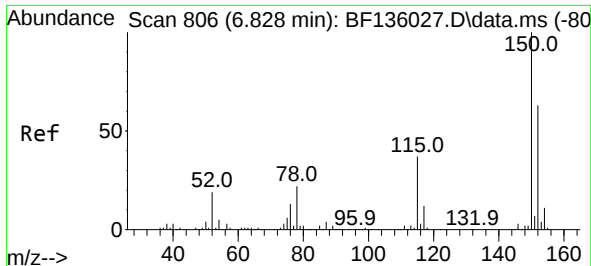
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL

Quant Time: Nov 01 22:41:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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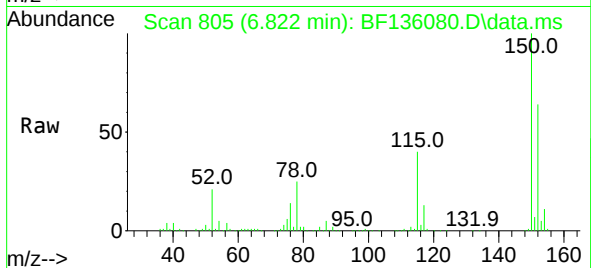
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

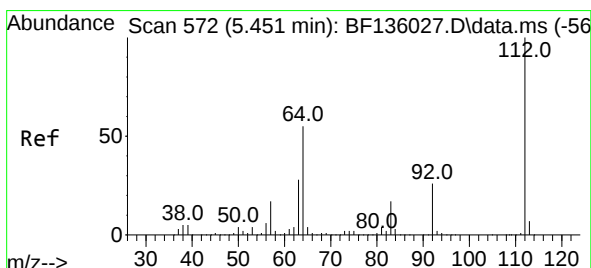
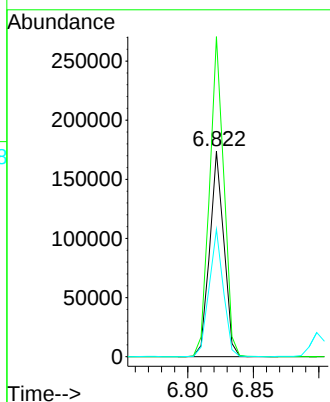
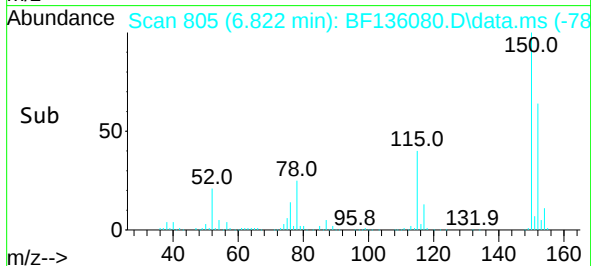
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



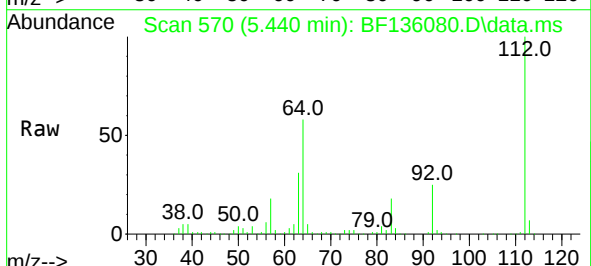
Tgt Ion:152 Resp: 13125
Ion Ratio Lower Upper
152 100
150 155.9 126.4 189.6
115 62.0 47.0 70.4

Manual Integrations
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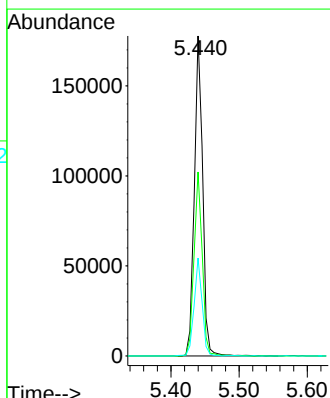
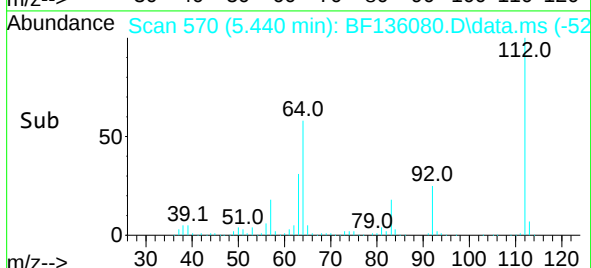
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 17.991 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57



Tgt Ion:112 Resp: 150272
Ion Ratio Lower Upper
112 100
64 57.5 43.9 65.9
63 30.6 22.4 33.6





#7

Phenol-d6

Concen: 18.049 ng

RT: 6.445 min Scan# 743

Delta R.T. -0.012 min

Lab File: BF136080.D

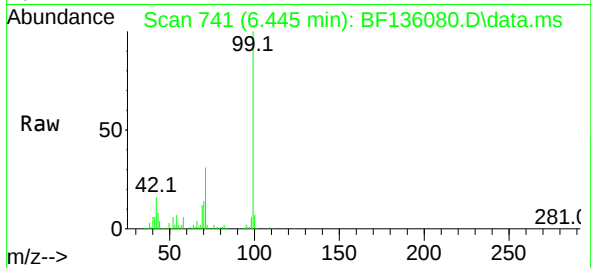
Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL



Tgt Ion: 99 Resp: 187830

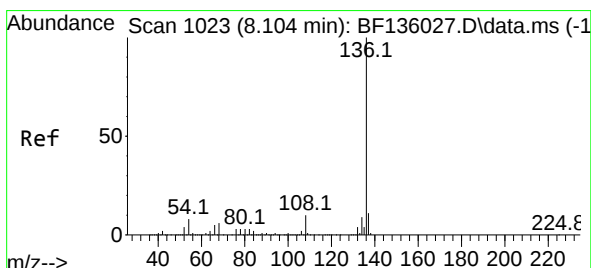
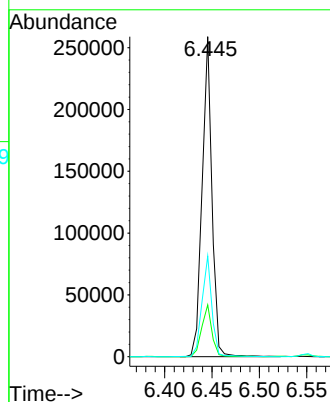
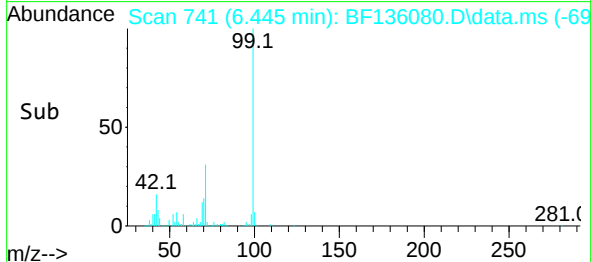
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	31.5	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1023

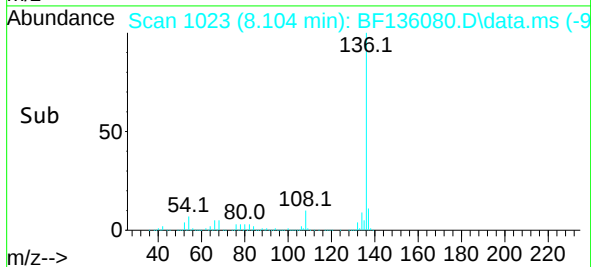
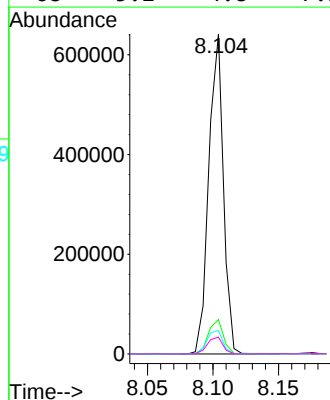
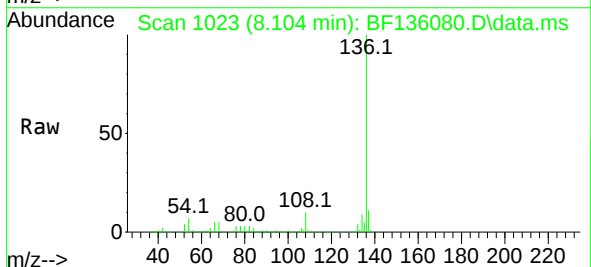
Delta R.T. 0.000 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Tgt Ion:136 Resp: 498915

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.3	6.6	9.8
68	5.2	4.8	7.2





#23

Nitrobenzene-d5

Concen: 12.283 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.017 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL

Tgt Ion: 82 Resp: 10165

Ion Ratio Lower Upper

82 100

128 42.0 38.6 57.8

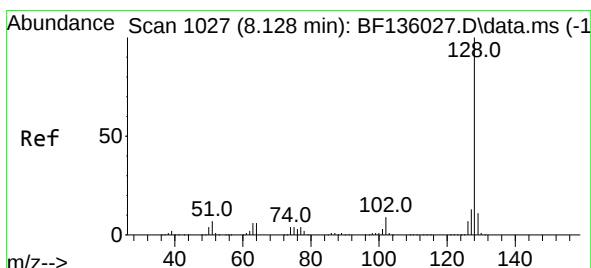
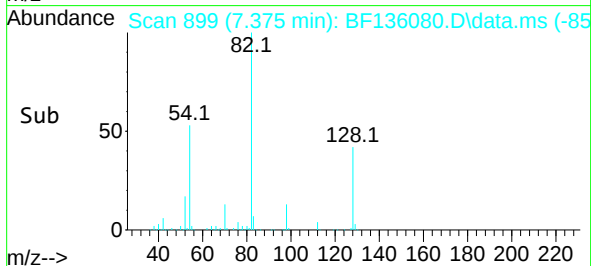
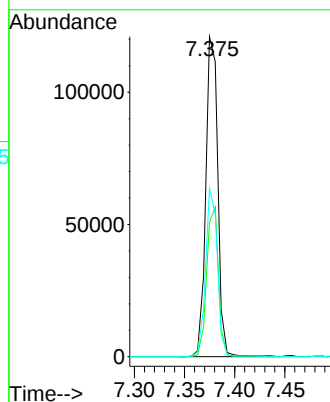
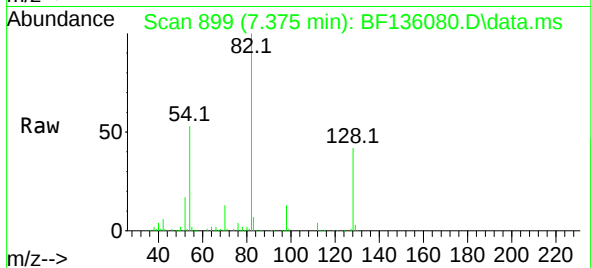
54 52.7 40.8 61.2

Manual Integrations

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#31

Naphthalene

Concen: 8.524 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

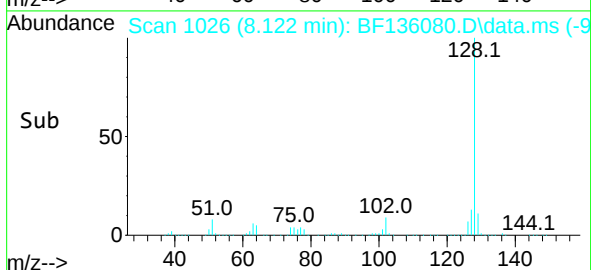
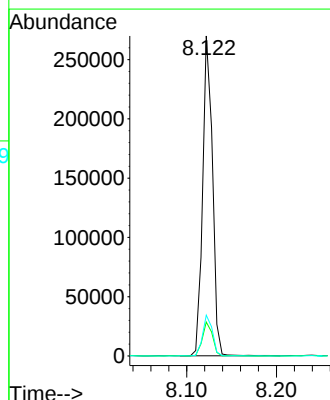
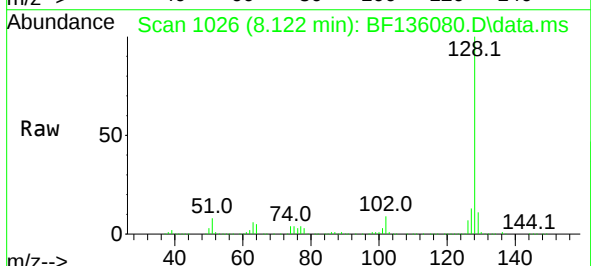
Tgt Ion:128 Resp: 205081

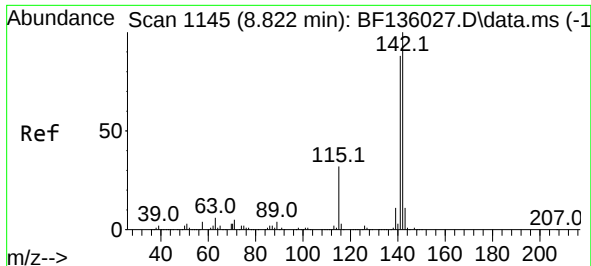
Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 12.8 10.5 15.7





#37

2-Methylnaphthalene

Concen: 3.635 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL

Tgt Ion:142 Resp: 5864

Ion Ratio Lower Upper

142 100

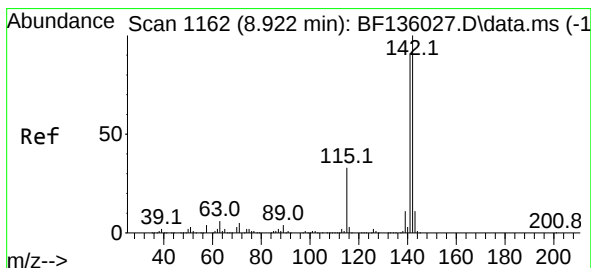
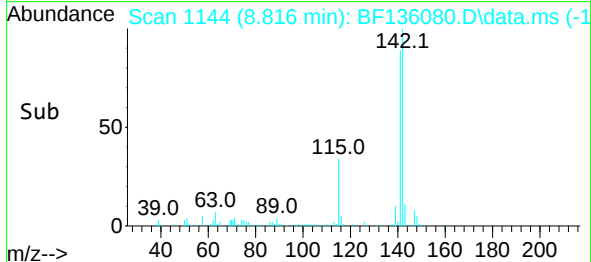
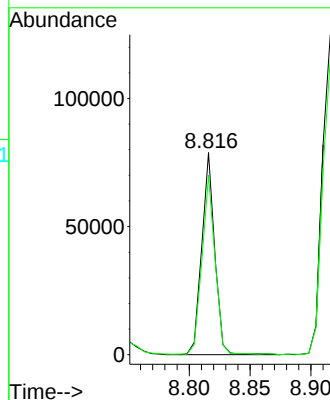
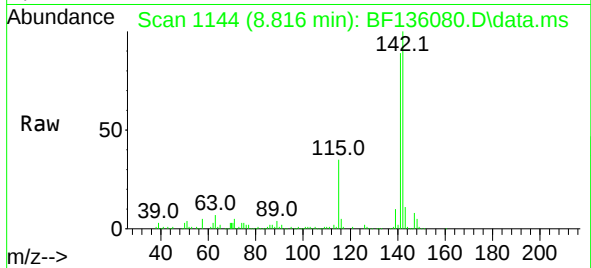
141 88.7 70.4 105.6

Manual Integrations

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Supervised By :mohammad ahmed 11/02/2023



#38

1-Methylnaphthalene

Concen: 6.385 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136080.D

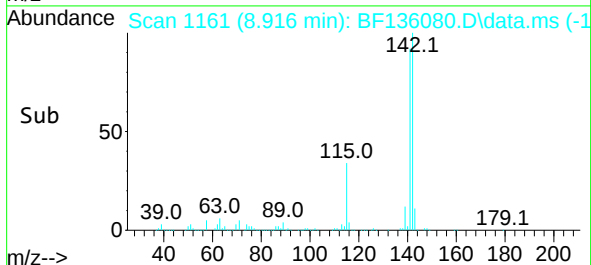
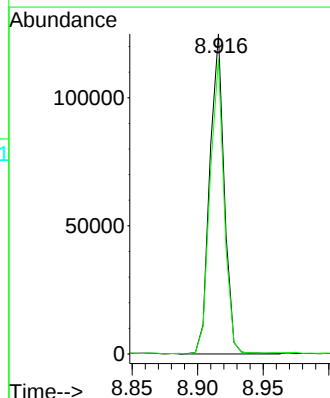
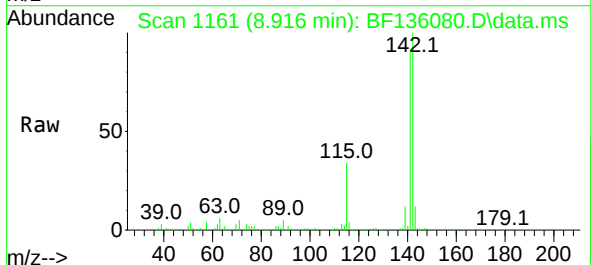
Acq: 01 Nov 2023 16:57

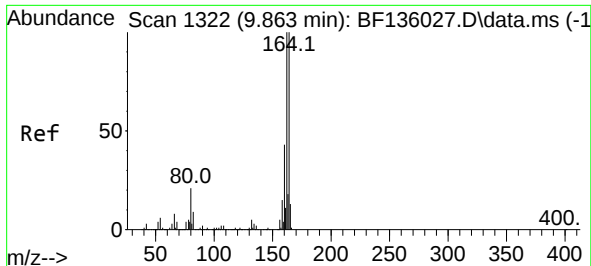
Tgt Ion:142 Resp: 95852

Ion Ratio Lower Upper

142 100

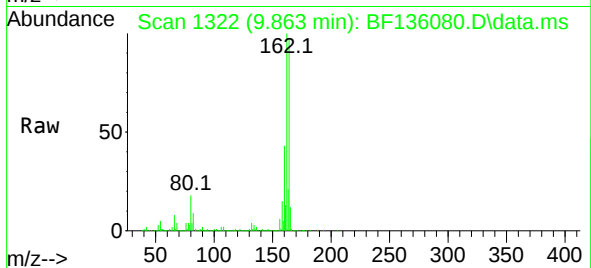
141 92.3 72.6 109.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

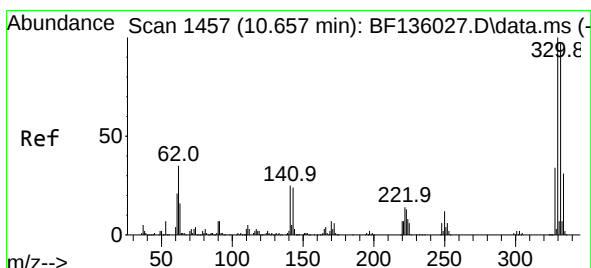
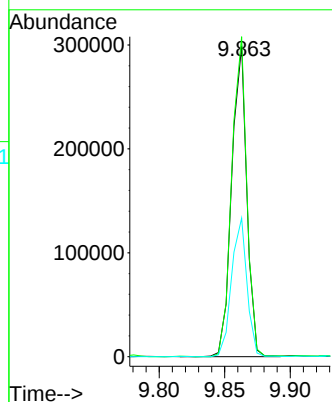
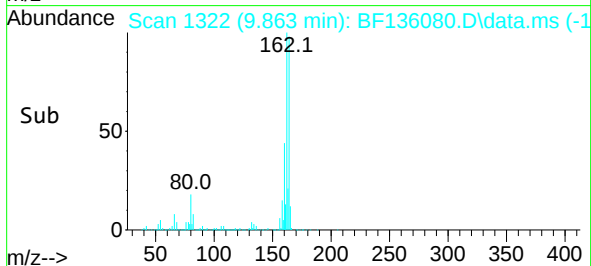
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



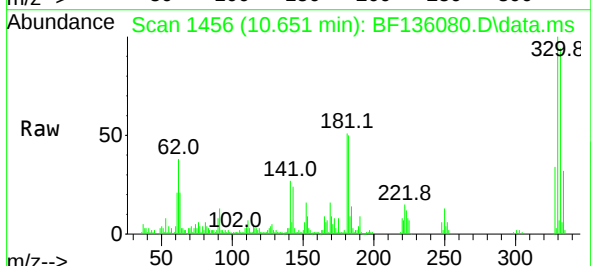
Tgt Ion:164 Resp: 23954
Ion Ratio Lower Upper
164 100
162 103.0 80.1 120.1
160 44.6 34.8 52.2

Manual Integrations
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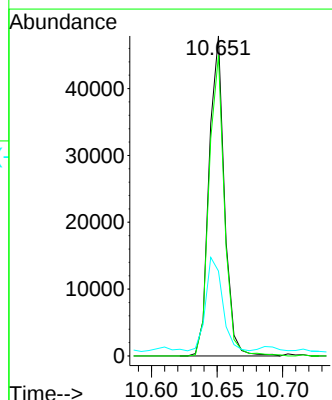
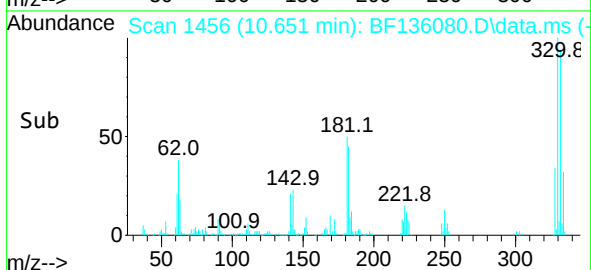
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

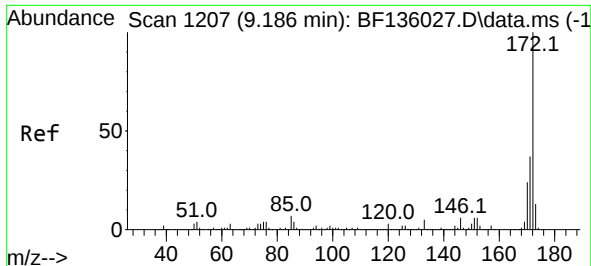


#42
2,4,6-Tribromophenol
Concen: 15.230 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57



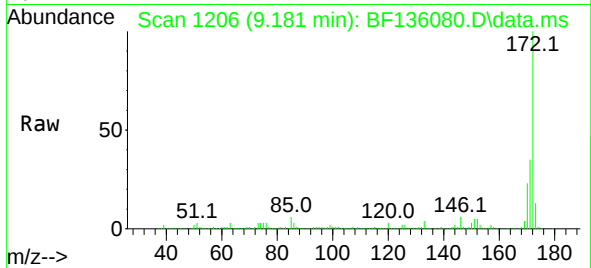
Tgt Ion:330 Resp: 38940
Ion Ratio Lower Upper
330 100
332 94.2 76.9 115.3
141 32.0 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 14.008 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

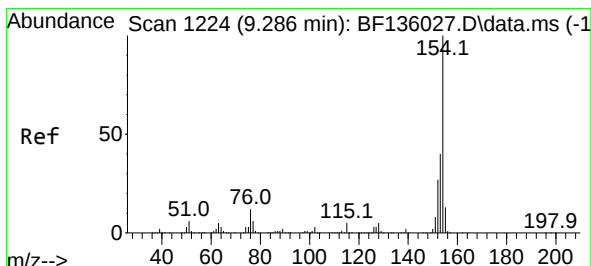
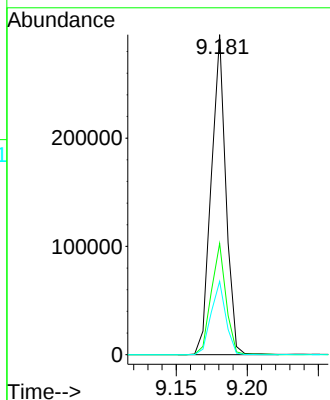
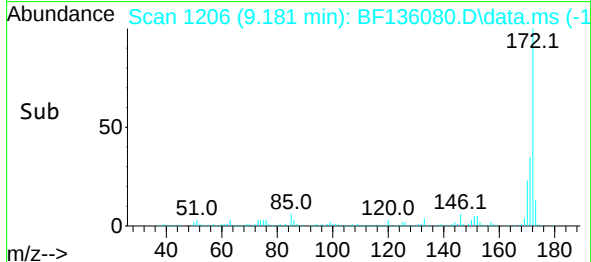
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



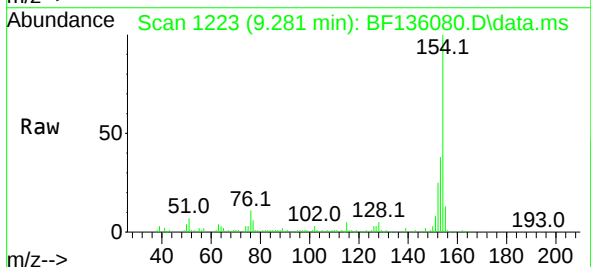
Tgt Ion:172 Resp: 21050
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 22.9 19.3 28.9

Manual Integrations
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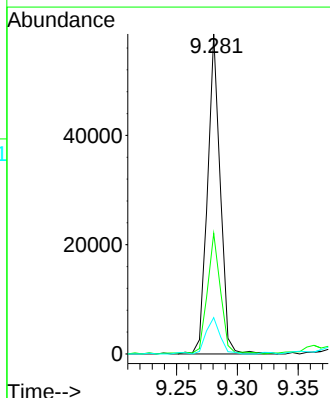
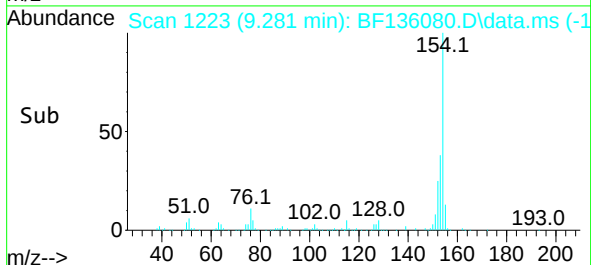
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

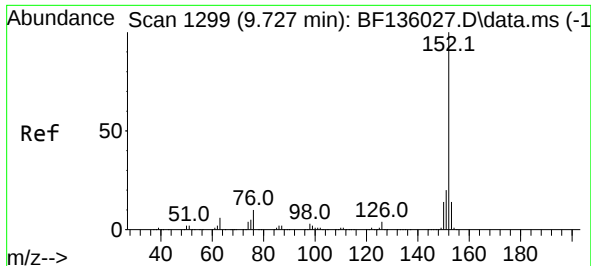


#46
1,1'-Biphenyl
Concen: 2.338 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57



Tgt Ion:154 Resp: 42694
Ion Ratio Lower Upper
154 100
153 37.7 20.1 60.1
76 11.3 0.0 32.5





#49

Acenaphthylene

Concen: 11.536 ng

RT: 9.722 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL

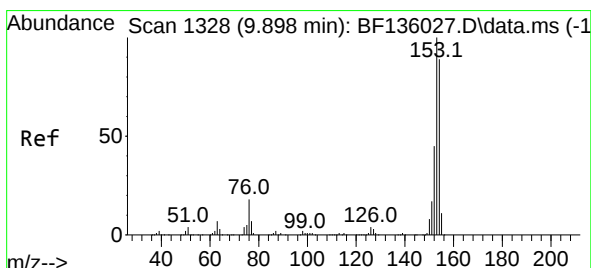
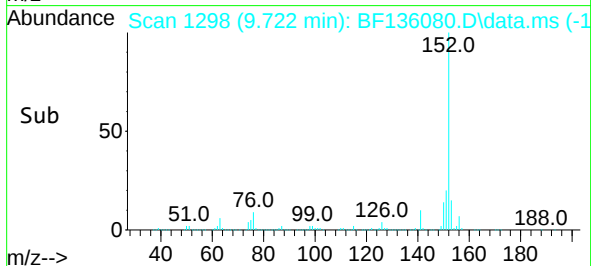
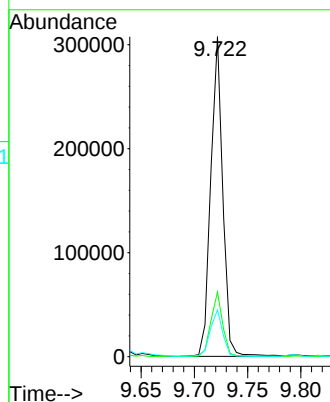
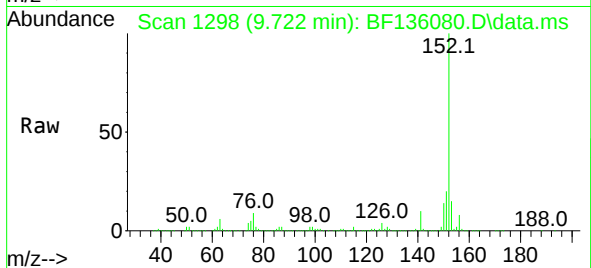
Tgt Ion:152	Resp: 24227
Ion Ratio	Lower Upper
152	100
151	20.3 16.1 24.1
153	14.7 11.4 17.2

Manual Integrations

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#52

Acenaphthene

Concen: 2.733 ng

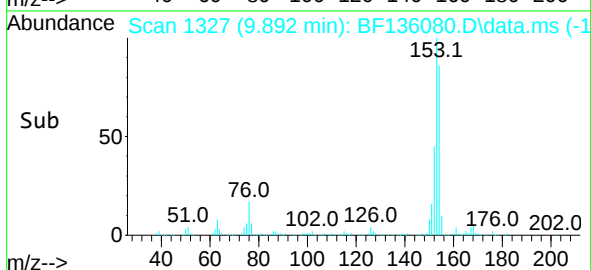
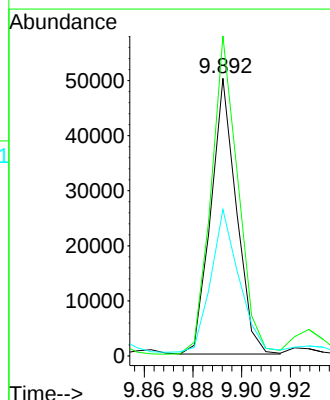
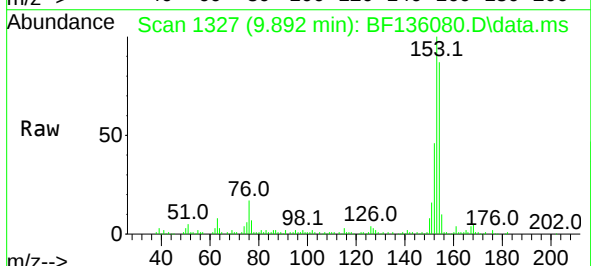
RT: 9.892 min Scan# 1327

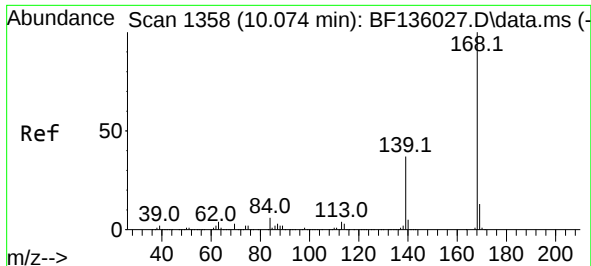
Delta R.T. -0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

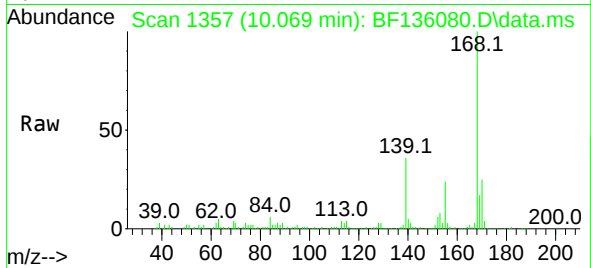
Tgt Ion:154	Resp: 36493
Ion Ratio	Lower Upper
154	100
153	115.3 89.9 134.9
152	52.8 40.2 60.2





#55
Dibenzenofuran
Concen: 3.657 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

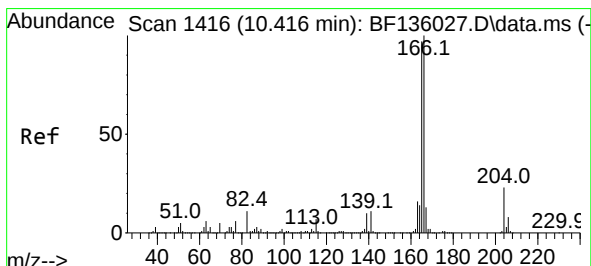
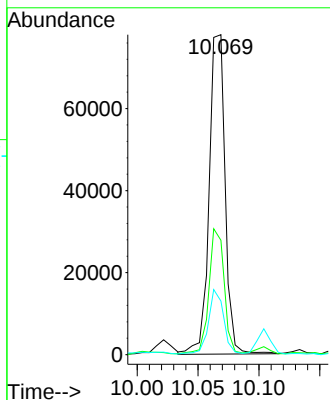
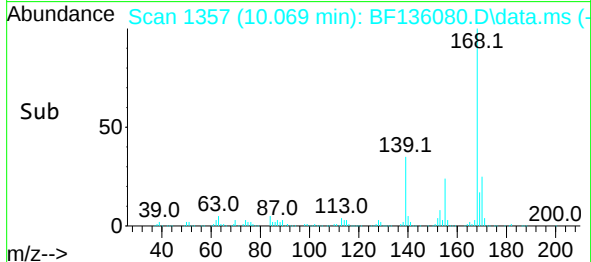
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



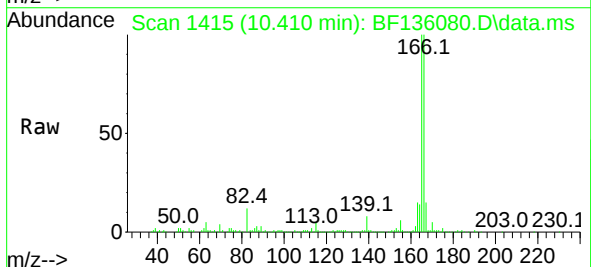
Tgt Ion:168 Resp: 7119
Ion Ratio Lower Upper
168 100
139 35.7 29.4 44.0
169 16.7 10.5 15.7

Manual Integrations
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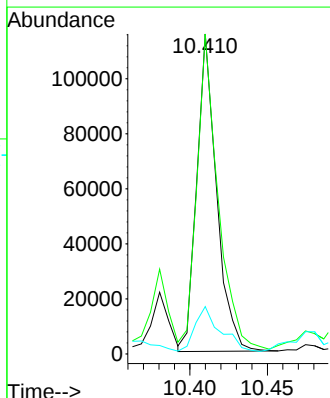
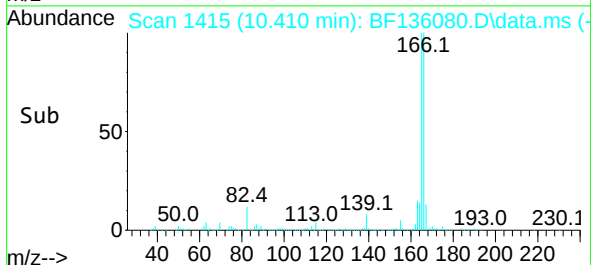
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

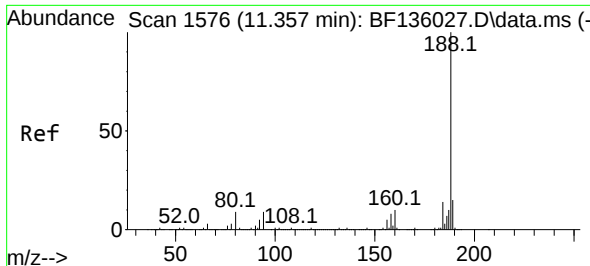


#58
Fluorene
Concen: 7.029 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57



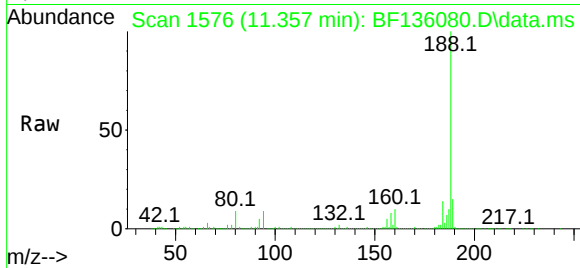
Tgt Ion:166 Resp: 102448
Ion Ratio Lower Upper
166 100
165 99.9 77.7 116.5
167 14.8 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

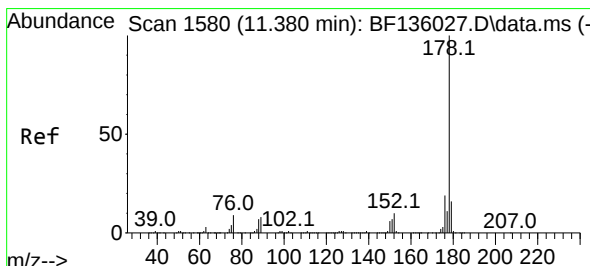
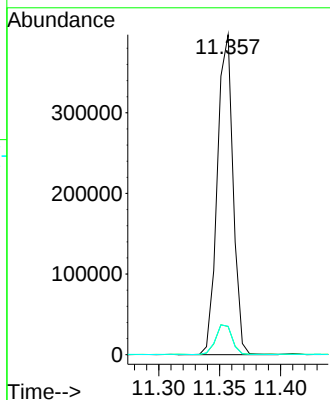
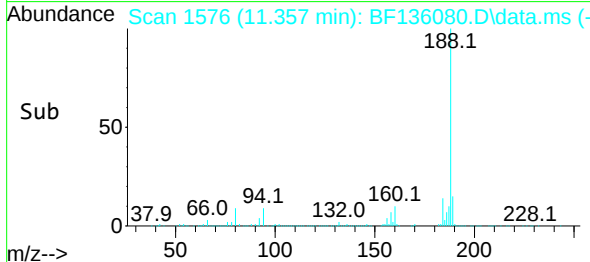
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



Tgt Ion:188 Resp: 357990
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 8.9 7.4 11.0

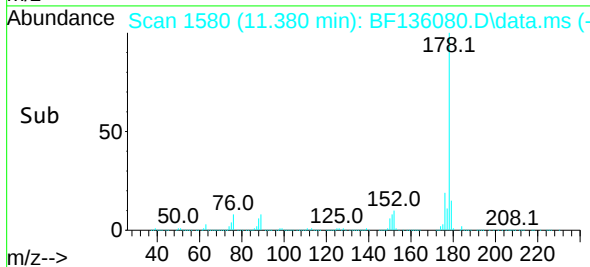
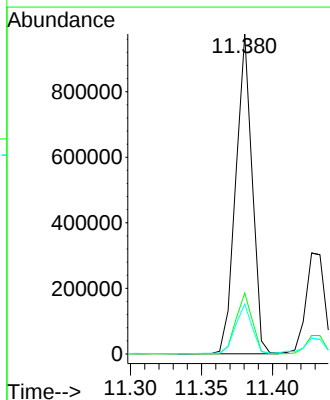
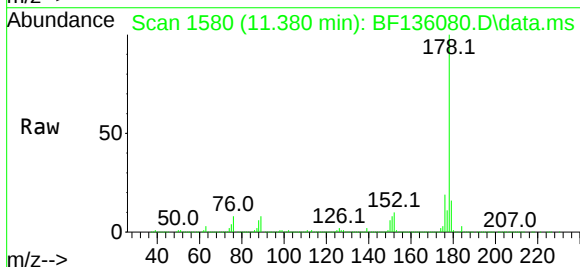
Manual Integrations
APPROVED

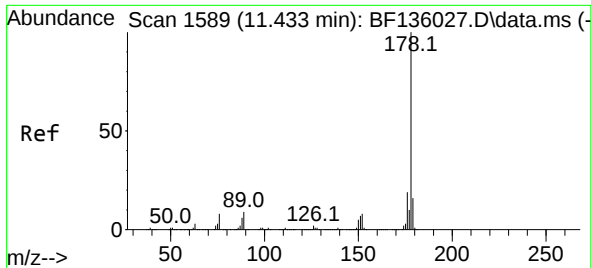
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#71
Phenanthrene
Concen: 43.471 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

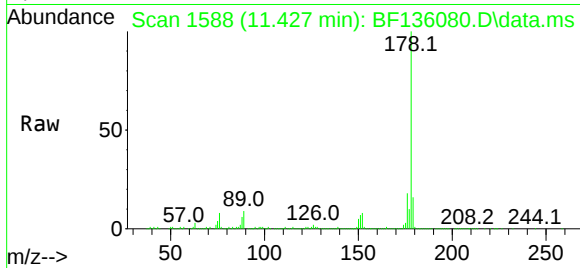
Tgt Ion:178 Resp: 783579
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.6 12.9 19.3





#72
 Anthracene
 Concen: 15.038 ng
 RT: 11.427 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136080.D
 Acq: 01 Nov 2023 16:57

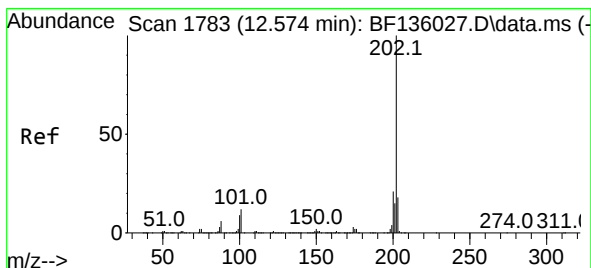
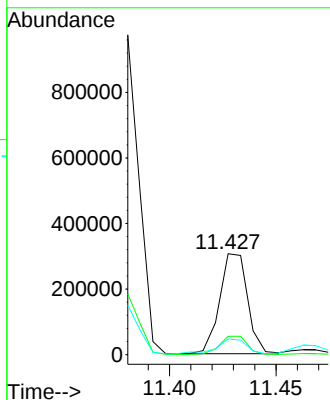
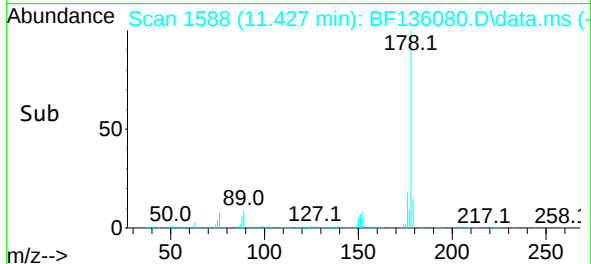
Instrument :
 BNA_F
 ClientSampleId :
 M-1(0-5)DL



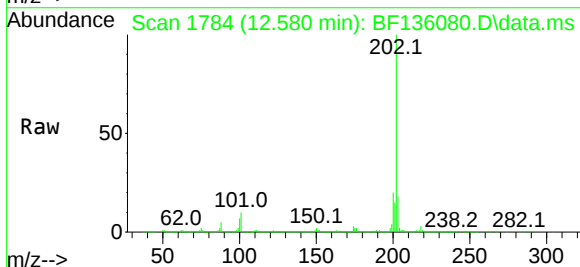
Tgt Ion:178 Resp: 277750
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.4
 179 15.5 12.6 18.8

Manual Integrations
 APPROVED

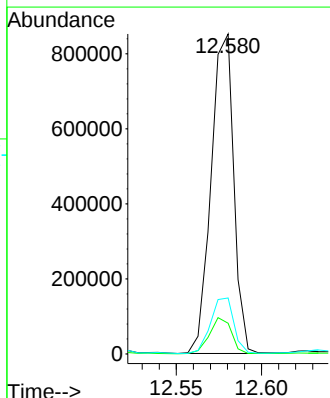
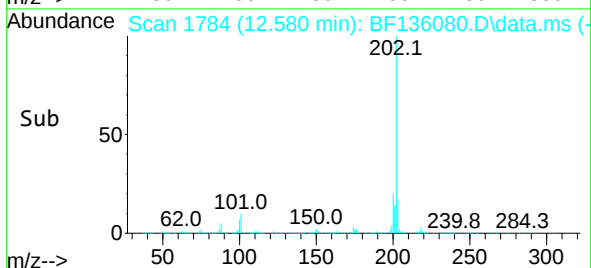
Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

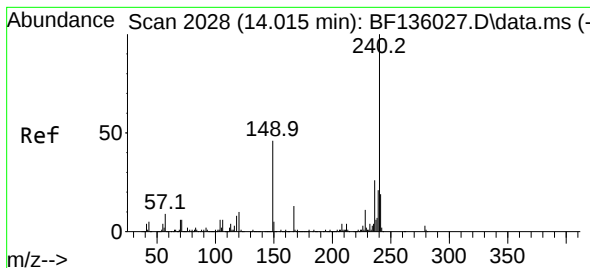


#75
 Fluoranthene
 Concen: 42.582 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.006 min
 Lab File: BF136080.D
 Acq: 01 Nov 2023 16:57



Tgt Ion:202 Resp: 788507
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.8
 203 17.5 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136080.D

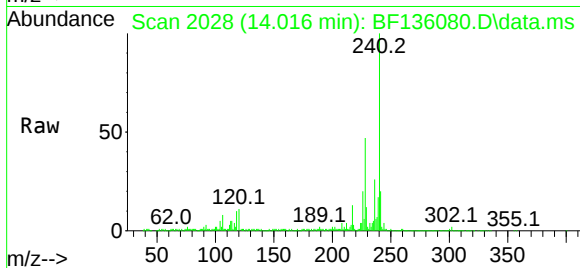
Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL



Tgt Ion:240 Resp: 266468

Ion Ratio Lower Upper

240 100

120 11.3 7.6 11.4

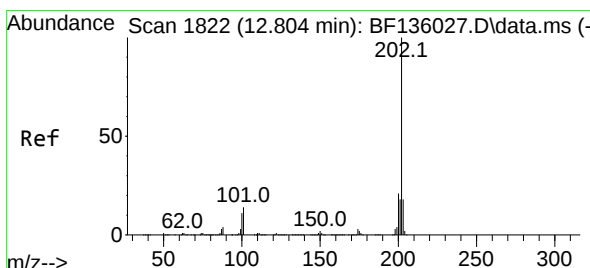
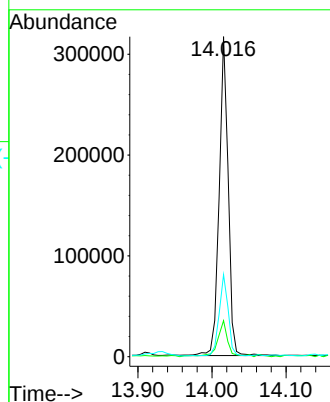
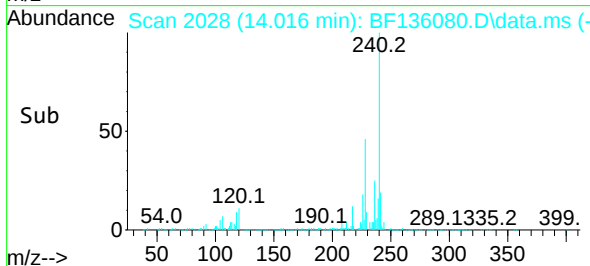
236 25.7 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#78

Pyrene

Concen: 44.306 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

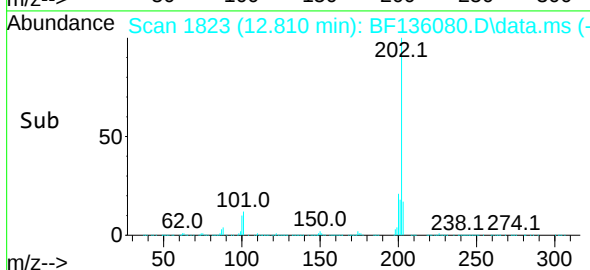
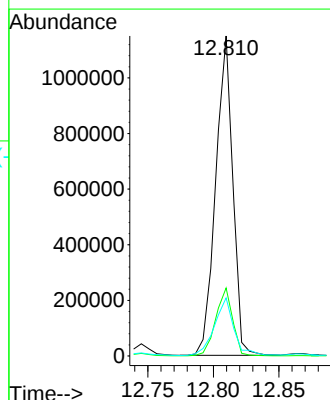
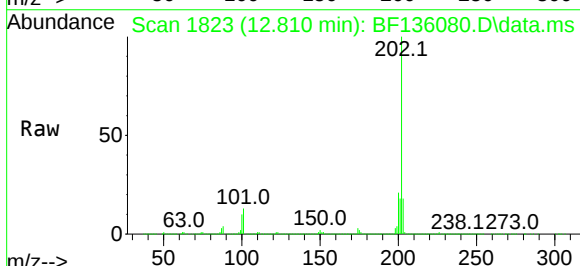
Tgt Ion:202 Resp: 1040897

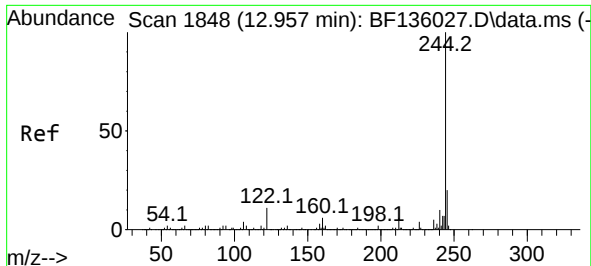
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

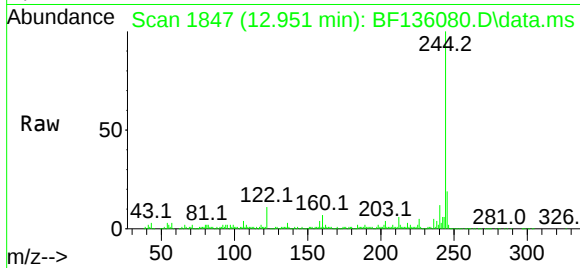
203 18.1 14.4 21.6





#79
 Terphenyl-d14
 Concen: 9.547 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF136080.D
 Acq: 01 Nov 2023 16:57

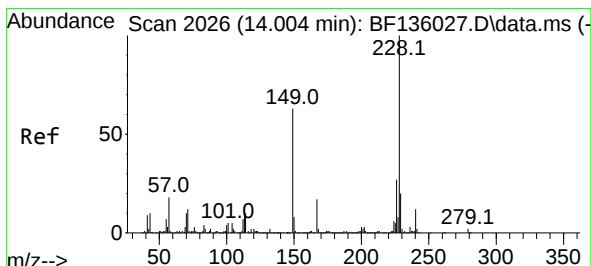
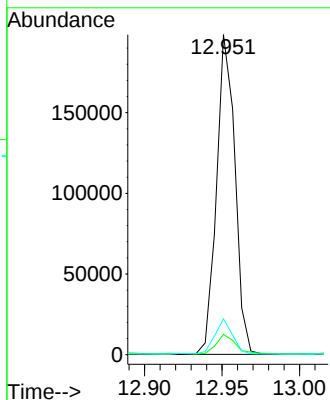
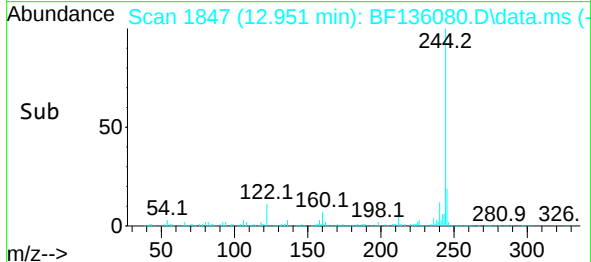
Instrument :
 BNA_F
 ClientSampleId :
 M-1(0-5)DL



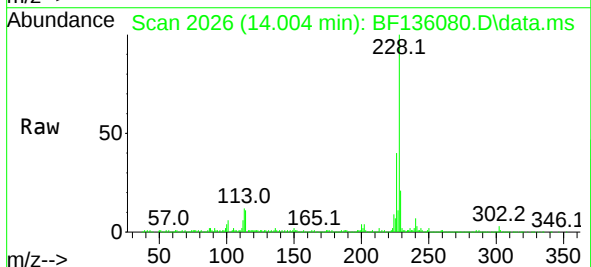
Tgt Ion:244 Resp: 163702
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.2 8.6 12.8

Manual Integrations
 APPROVED

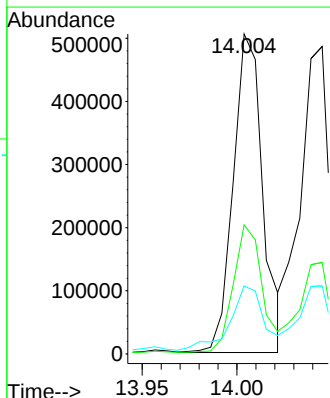
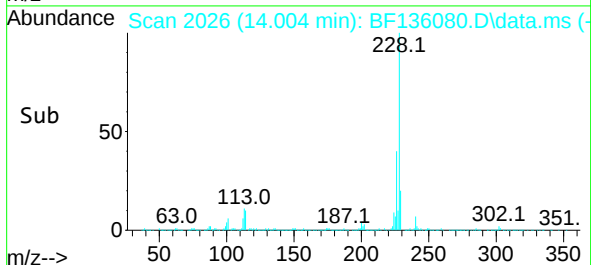
Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

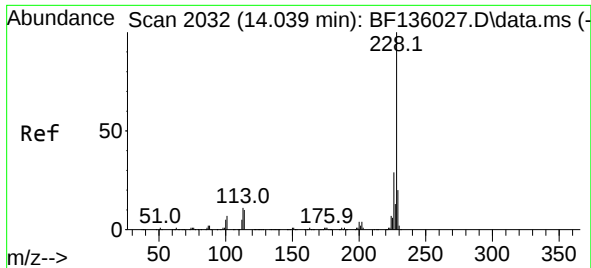


#81
 Benzo(a)anthracene
 Concen: 31.038 ng m
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF136080.D
 Acq: 01 Nov 2023 16:57



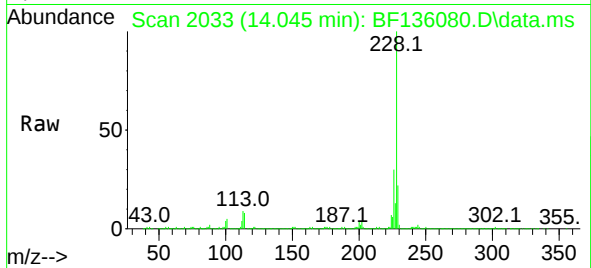
Tgt Ion:228 Resp: 547543
 Ion Ratio Lower Upper
 228 100
 226 40.4 21.5 32.3#
 229 21.2 15.8 23.6





#83
Chrysene
Concen: 29.456 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

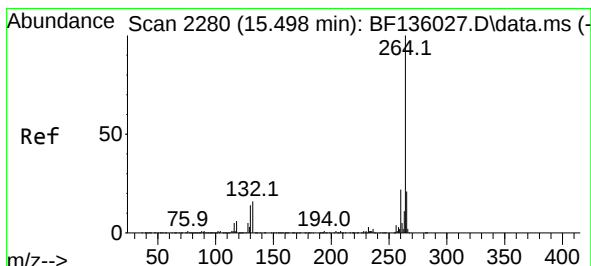
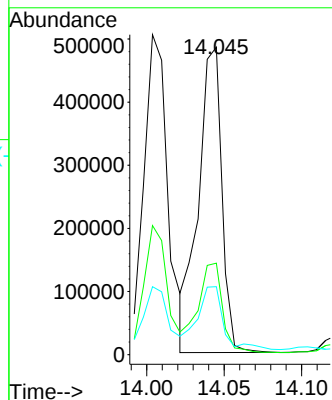
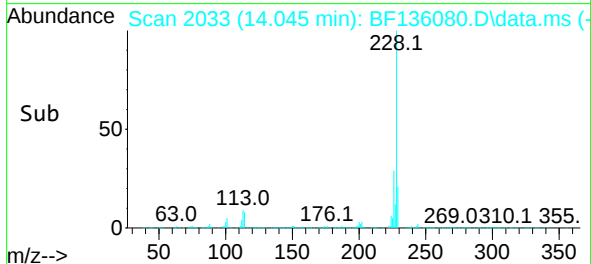
Instrument :
BNA_F
Client SampleId :
M-1(0-5)DL



Tgt Ion:228 Resp: 51174
Ion Ratio Lower Upper
228 100
226 29.8 23.5 35.3
229 22.1 16.0 24.0

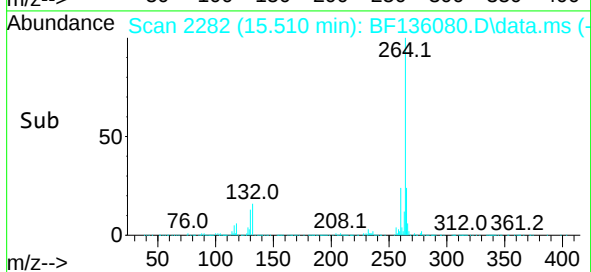
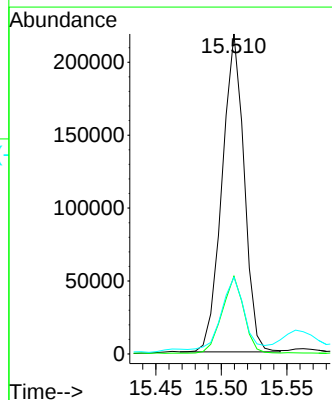
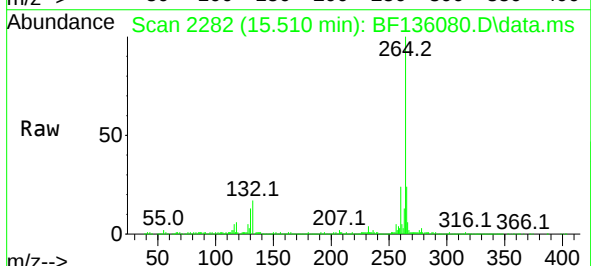
Manual Integrations
APPROVED

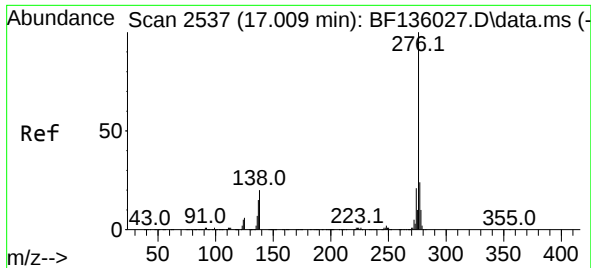
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.012 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

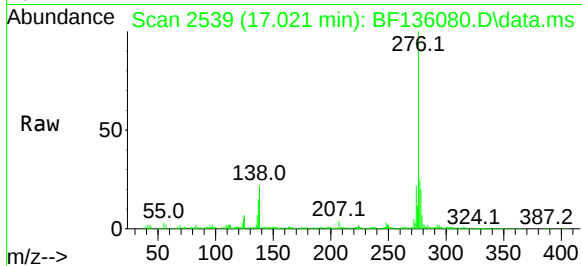
Tgt Ion:264 Resp: 255177
Ion Ratio Lower Upper
264 100
260 24.3 17.9 26.9
265 24.0 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.611 ng
RT: 17.021 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

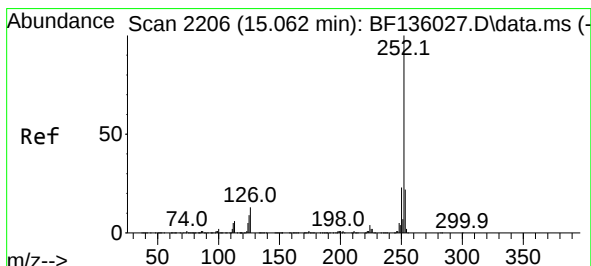
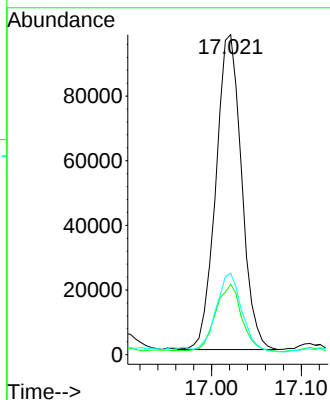
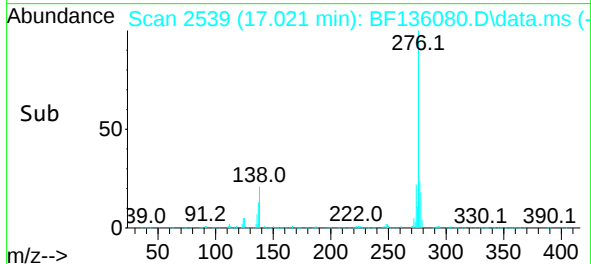
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



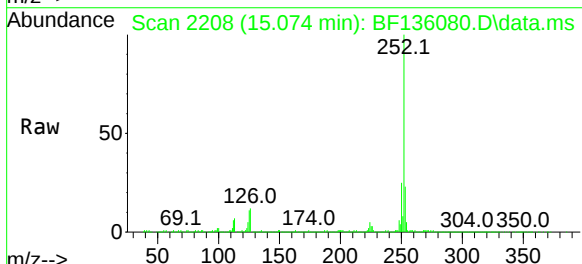
Tgt Ion:276 Resp: 19363
Ion Ratio Lower Upper
276 100
138 22.2 20.4 30.6
277 25.3 20.2 30.2

Manual Integrations
APPROVED

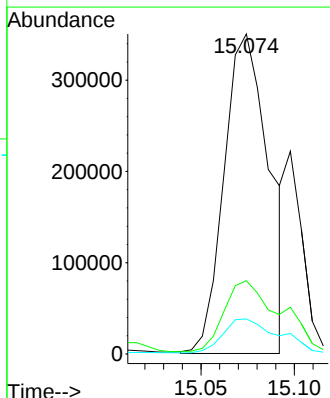
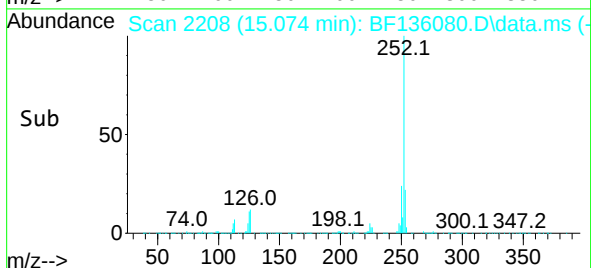
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

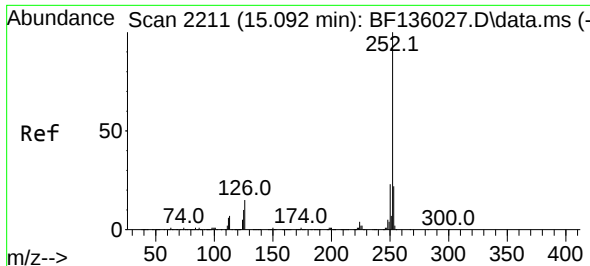


#88
Benzo(b)fluoranthene
Concen: 38.754 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57



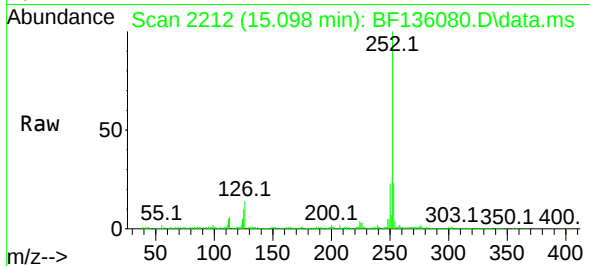
Tgt Ion:252 Resp: 585153
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.9 7.5 11.3





#89
Benzo(k)fluoranthene
Concen: 9.839 ng m
RT: 15.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

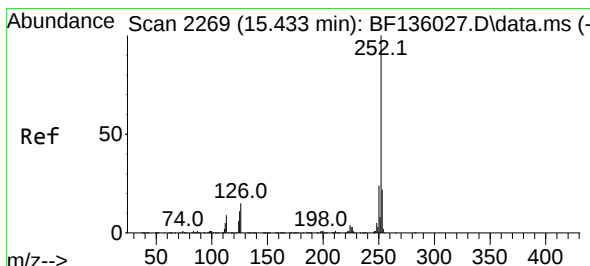
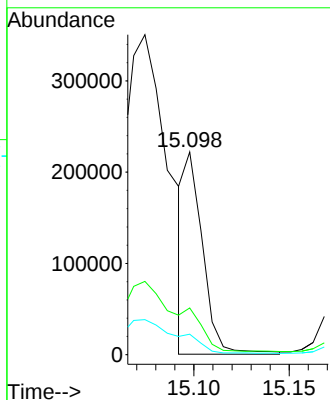
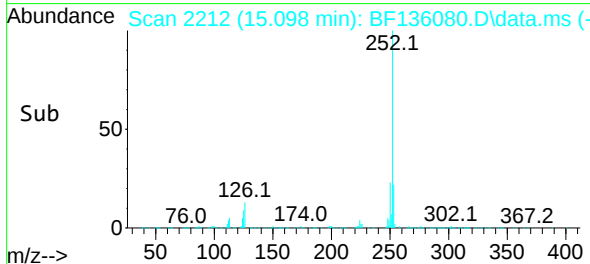
Instrument :
BNA_F
ClientSampleId :
M-1(0-5)DL



Tgt Ion:252 Resp: 146997
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.1 8.0 12.0

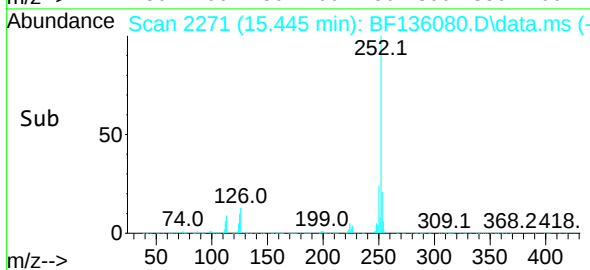
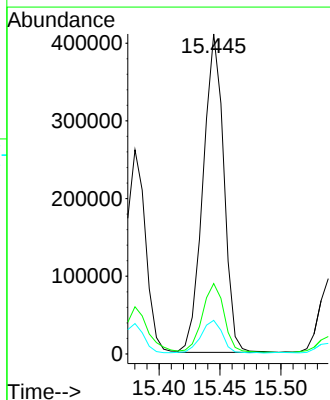
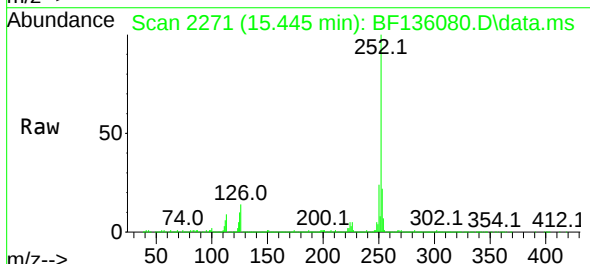
Manual Integrations
APPROVED

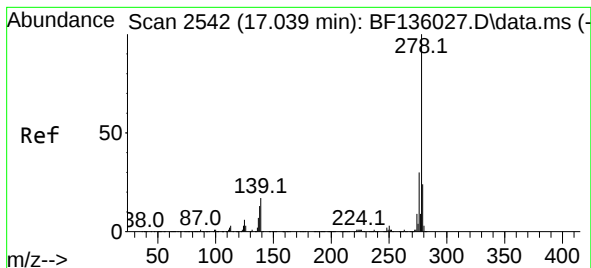
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#90
Benzo(a)pyrene
Concen: 34.621 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF136080.D
Acq: 01 Nov 2023 16:57

Tgt Ion:252 Resp: 485711
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 10.5 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 4.156 ng m

RT: 17.033 min Scan# 2542

Delta R.T. -0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

M-1(0-5)DL

Tgt Ion:278 Resp: 56769

Ion Ratio Lower Upper

278 100

139 17.9 13.7 20.5

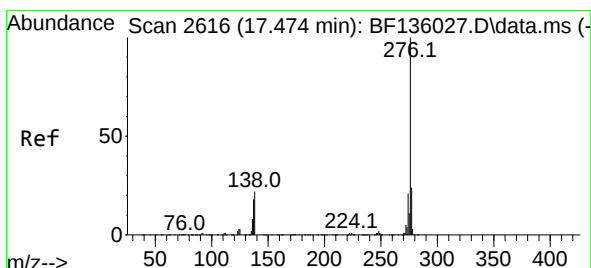
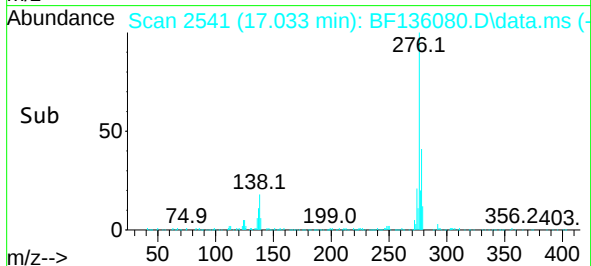
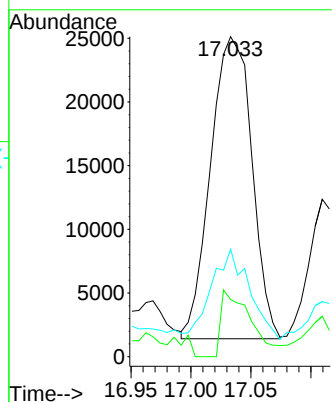
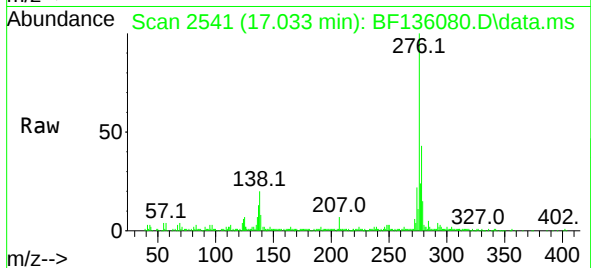
279 33.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#92

Benzo(g,h,i)perylene

Concen: 14.517 ng

RT: 17.480 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF136080.D

Acq: 01 Nov 2023 16:57

Tgt Ion:276 Resp: 192357

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 20.8 17.4 26.2

