

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136370.D
 Acq On : 02 Dec 2023 09:56
 Operator : CG\JU
 Sample : 05577-01DL 20X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-112923DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 03 07:24:44 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	114655	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	383861	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	156696	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	279721	20.000	ng	0.00
76) Chrysene-d12	13.986	240	241761	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	188228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	41940	5.091	ng	0.00
7) Phenol-d6	6.434	99	47732	4.634	ng	-0.01
23) Nitrobenzene-d5	7.357	82	27646	3.806	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	9113	4.757	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	54586	4.450	ng	-0.01
79) Terphenyl-d14	12.922	244	62238	2.969	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	414617	19.217	ng	96
37) 2-Methylnaphthalene	8.792	142	87552	6.469	ng	92
38) 1-Methylnaphthalene	8.892	142	48199	3.651	ng	88
52) Acenaphthene	9.869	154	82978	8.574	ng	88
55) Dibenzofuran	10.045	168	140142	9.732	ng	97
58) Fluorene	10.386	166	179868	15.924	ng	93
71) Phenanthrene	11.357	178	1156067	73.534	ng	98
72) Anthracene	11.410	178	333325	21.142	ng	97
73) Carbazole	11.563	167	98508	7.346	ng	96
75) Fluoranthene	12.557	202	1276195	79.962	ng	97
78) Pyrene	12.780	202	1034267	39.063	ng	96
81) Benzo(a)anthracene	13.974	228	532821	29.672	ng	98
83) Chrysene	14.016	228	423637m	24.433	ng	
87) Indeno(1,2,3-cd)pyrene	16.968	276	136947	11.869	ng	97
88) Benzo(b)fluoranthene	15.039	252	409442m	31.005	ng	
89) Benzo(k)fluoranthene	15.063	252	167384m	13.345	ng	
90) Benzo(a)pyrene	15.404	252	288599	26.733	ng	93
91) Dibenzo(a,h)anthracene	16.980	278	31770	5.368	ng	# 85
92) Benzo(g,h,i)perylene	17.427	276	122499	12.283	ng	97

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

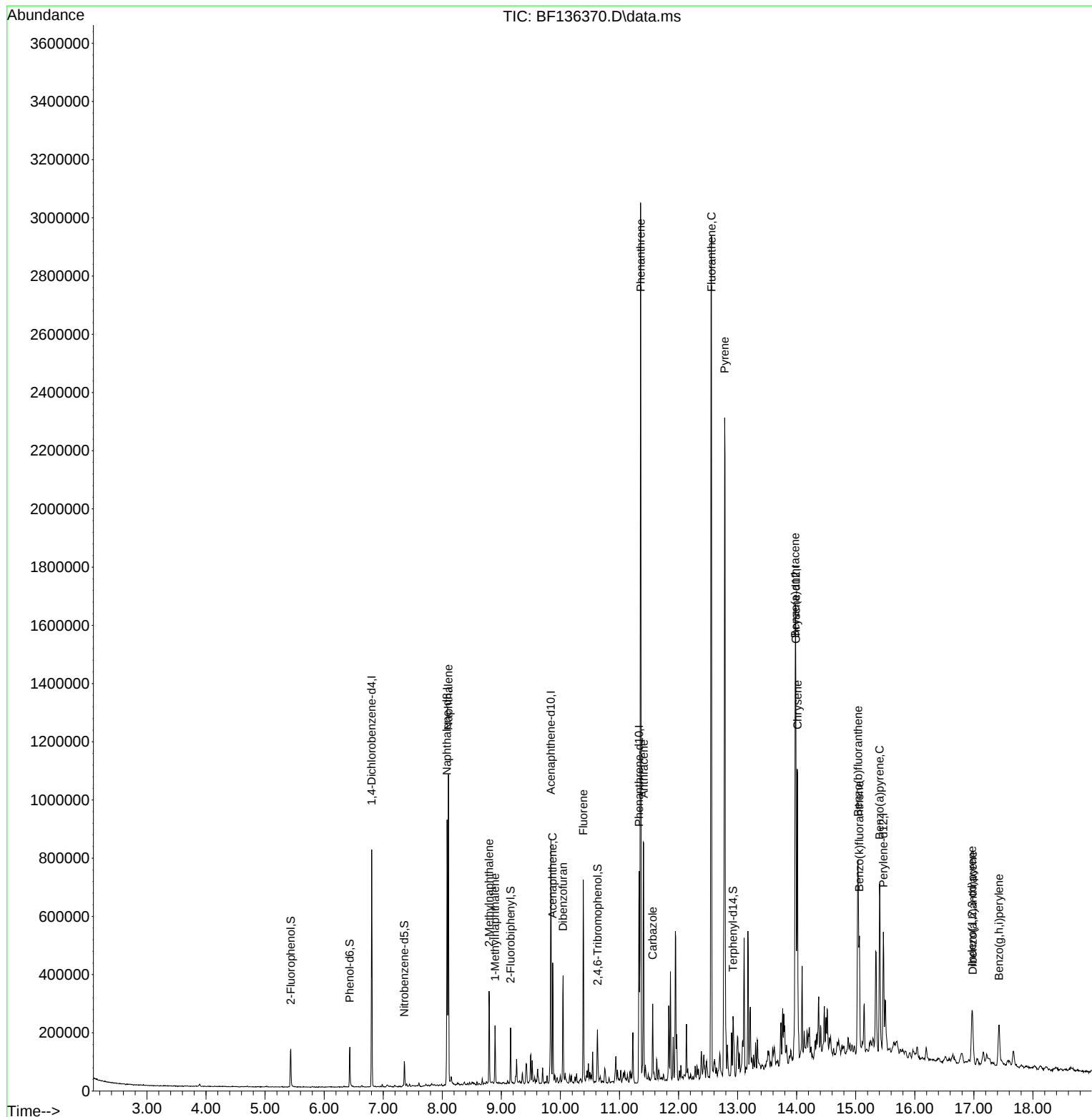
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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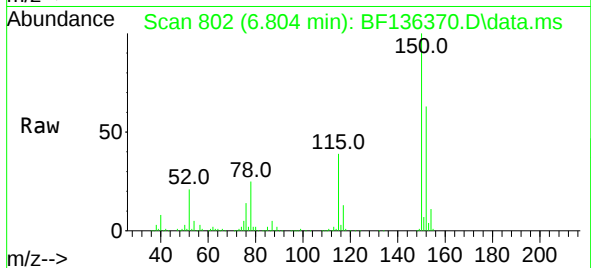
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

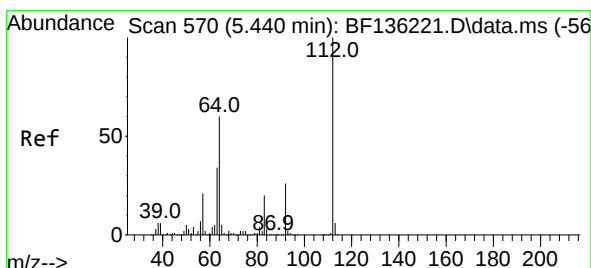
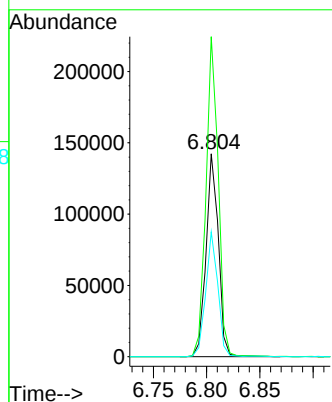
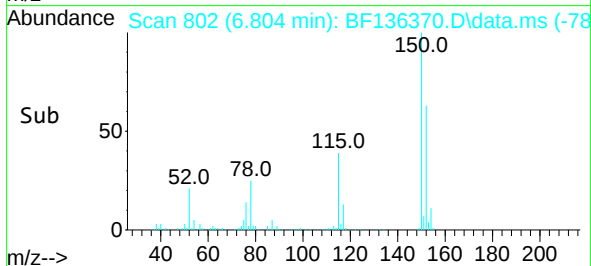


Tgt Ion:152 Resp: 11465
Ion Ratio Lower Upper
152 100
150 157.8 137.8 206.8
115 61.5 52.7 79.1

Manual Integrations

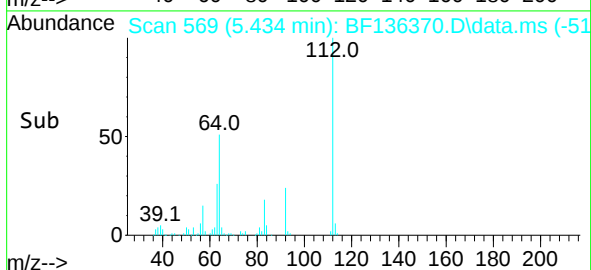
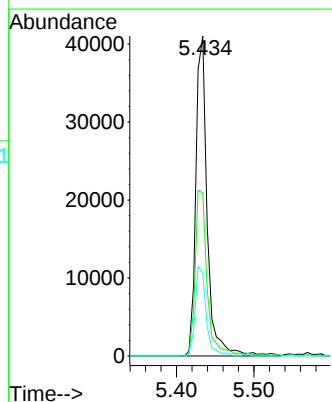
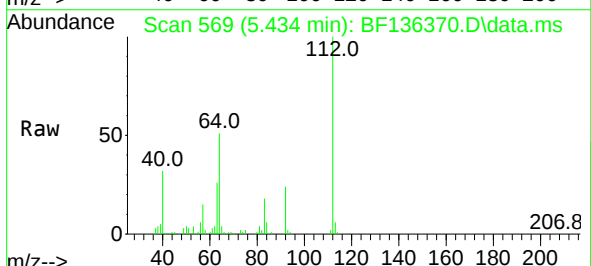
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#5
2-Fluorophenol
Concen: 5.091 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

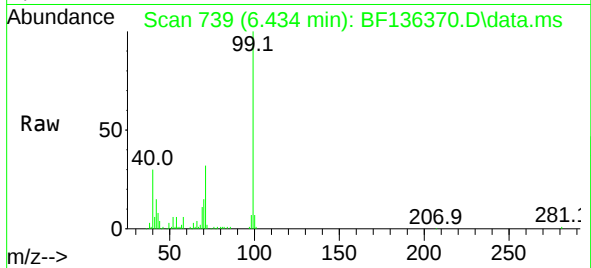
Tgt Ion:112 Resp: 41940
Ion Ratio Lower Upper
112 100
64 50.9 48.2 72.4
63 25.8 27.0 40.6#





#7
Phenol-d6
Concen: 4.634 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

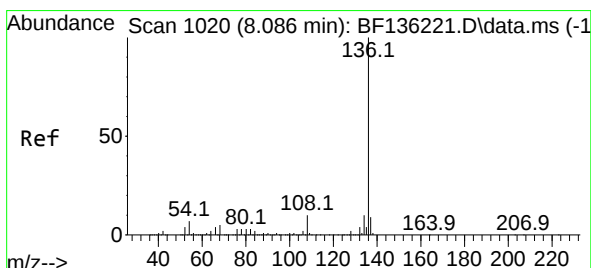
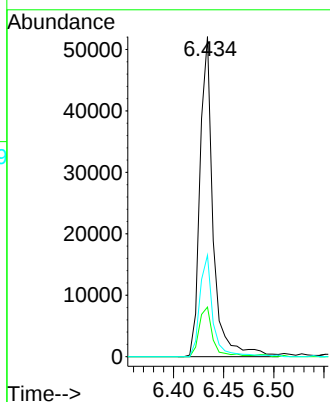
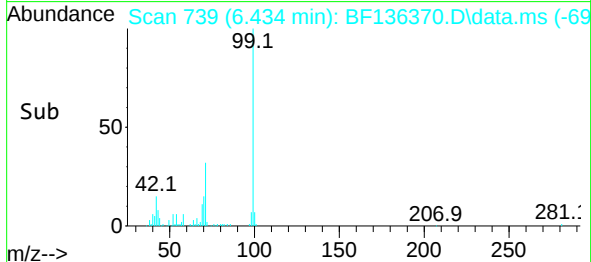
Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



Tgt Ion: 99 Resp: 47732
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.6
71 31.7 28.9 43.3

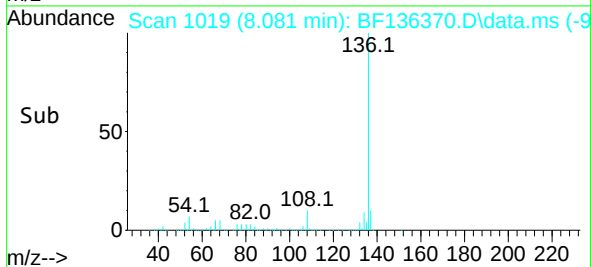
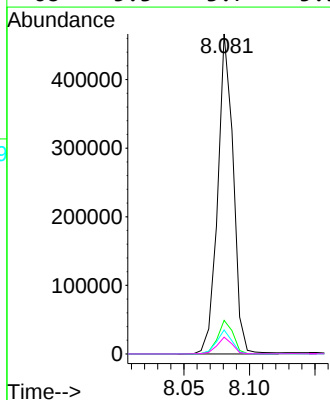
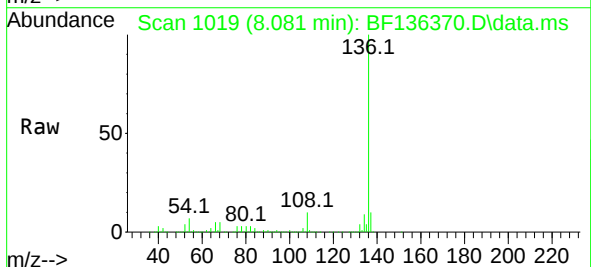
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Tgt Ion:136 Resp: 383861
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.5 5.5 8.3
68 5.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 3.806 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.017 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

Tgt Ion: 82 Resp: 27640

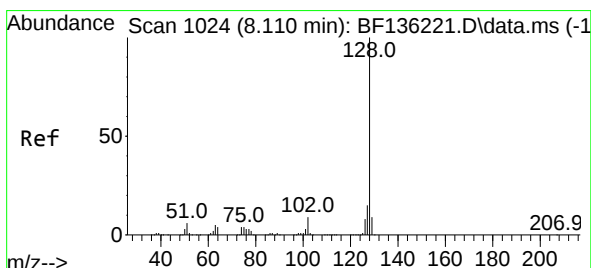
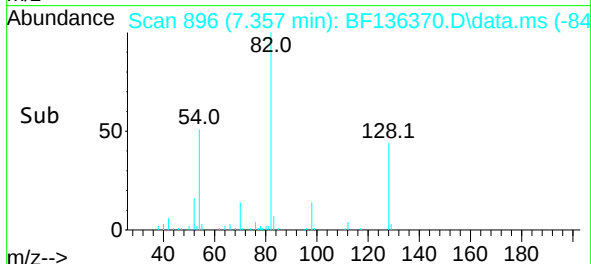
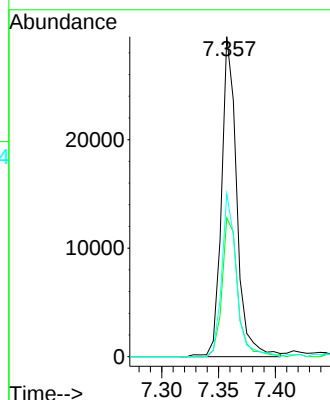
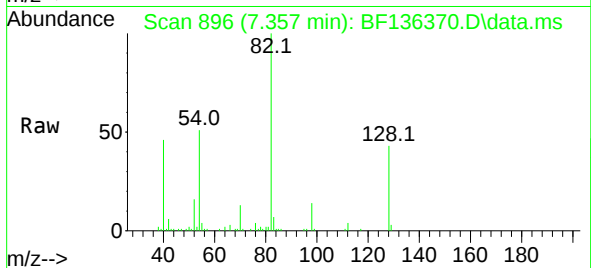
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.2
54	50.9	41.7	62.5

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#31

Naphthalene

Concen: 19.217 ng

RT: 8.104 min Scan# 1023

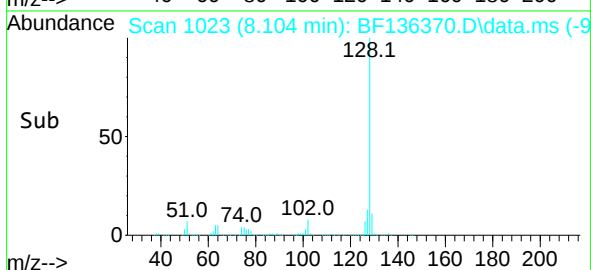
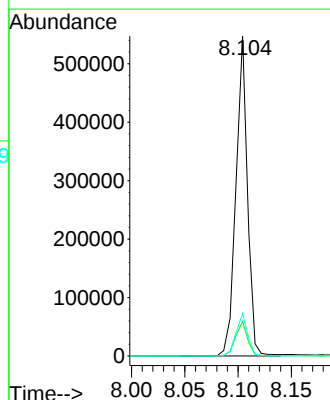
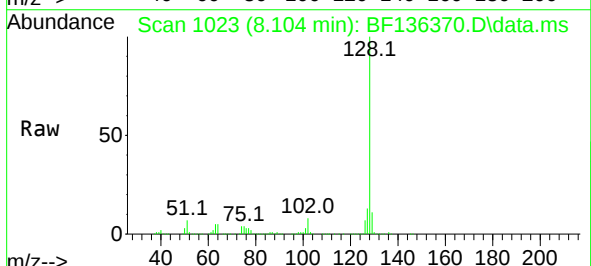
Delta R.T. -0.006 min

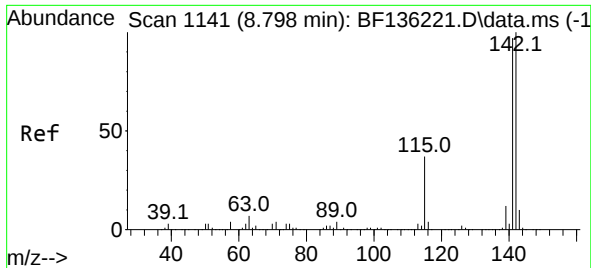
Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

Tgt Ion:128 Resp: 414617

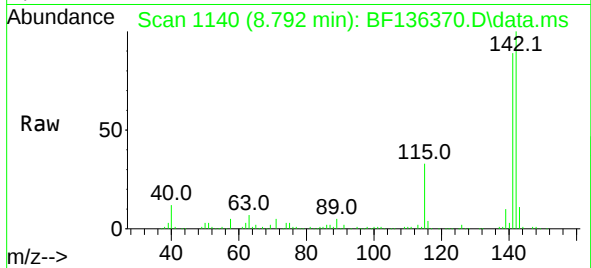
Ion	Ratio	Lower	Upper
128	100		
129	10.8	7.3	10.9
127	13.3	11.8	17.6





#37
2-Methylnaphthalene
Concen: 6.469 ng
RT: 8.792 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

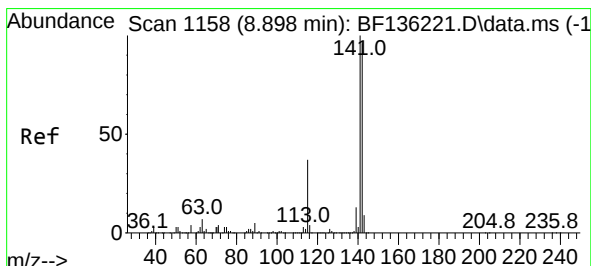
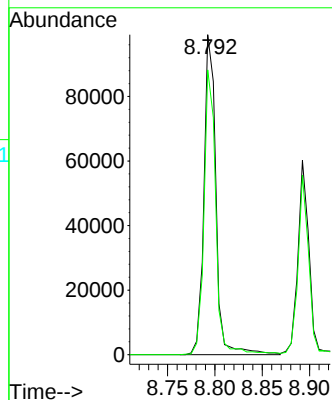
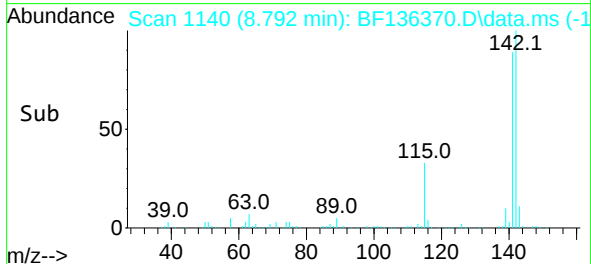
Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



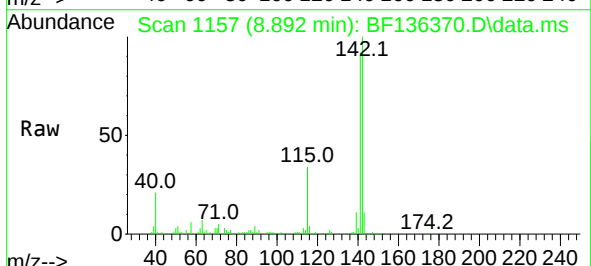
Tgt Ion:142 Resp: 87552
Ion Ratio Lower Upper
142 100
141 89.0 77.8 116.8

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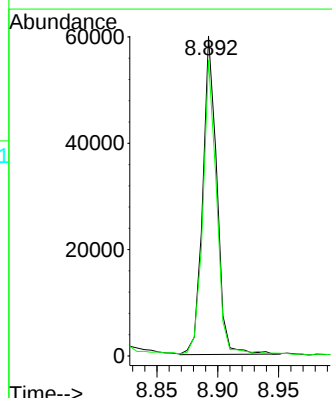
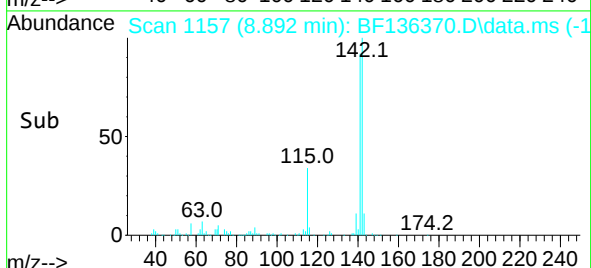
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

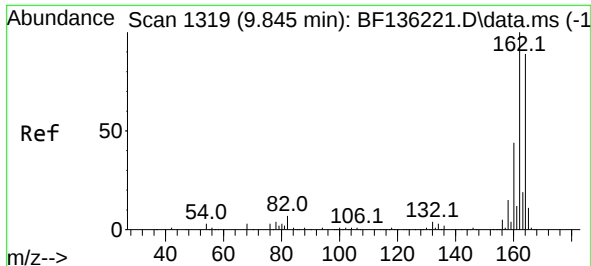


#38
1-Methylnaphthalene
Concen: 3.651 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56



Tgt Ion:142 Resp: 48199
Ion Ratio Lower Upper
142 100
141 92.4 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

Tgt Ion:164 Resp: 156690

Ion Ratio Lower Upper

164 100

162 103.2 89.5 134.3

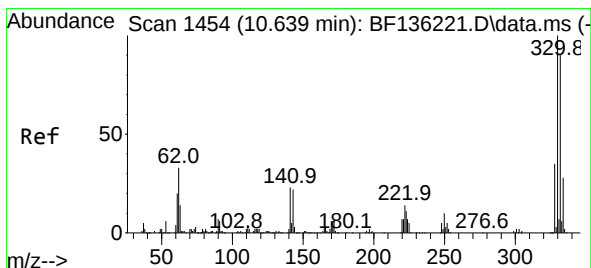
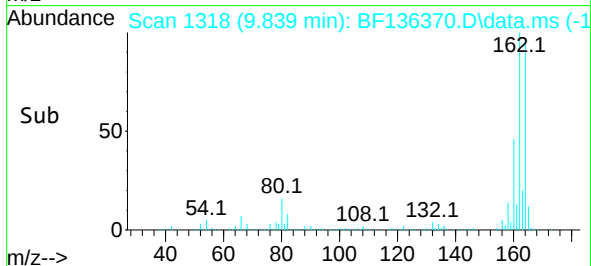
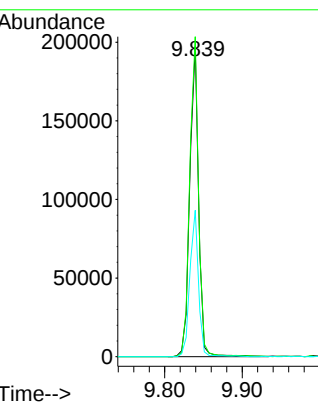
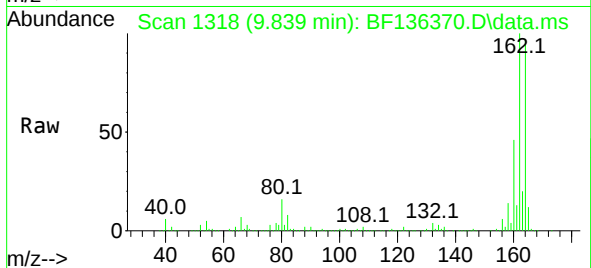
160 47.2 39.6 59.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 4.757 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

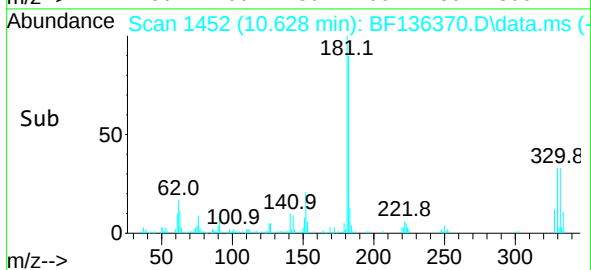
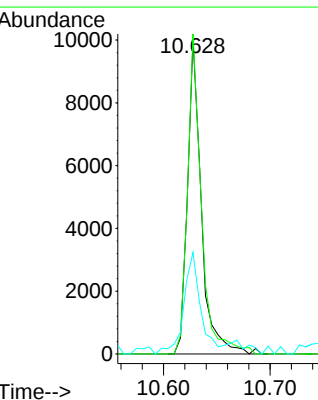
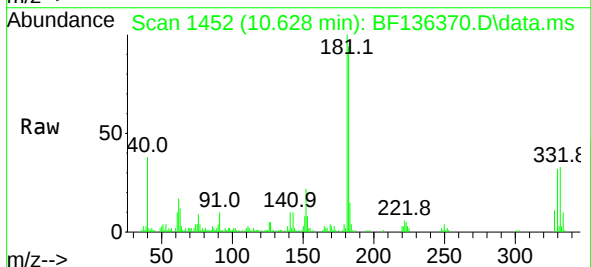
Tgt Ion:330 Resp: 9113

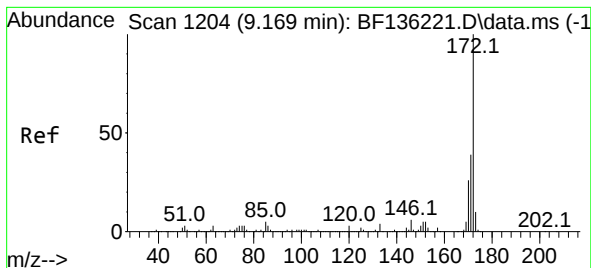
Ion Ratio Lower Upper

330 100

332 102.1 73.0 109.6

141 39.9 24.2 36.2#





#45

2-Fluorobiphenyl

Concen: 4.450 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

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BNA_F

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EO-03-112923DL

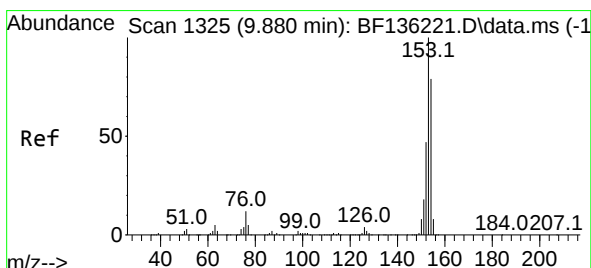
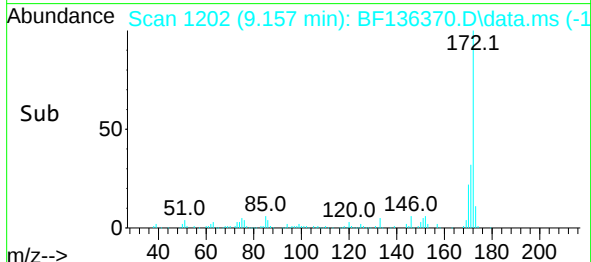
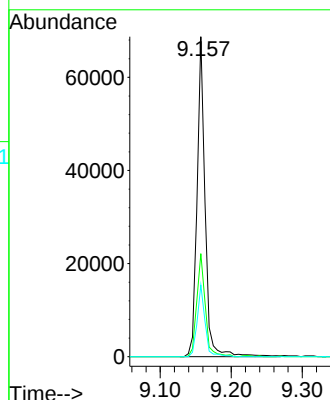
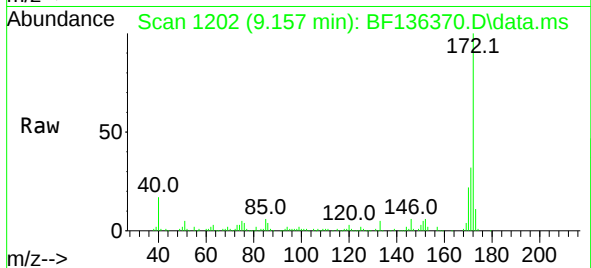
Tgt Ion:172 Resp: 54580
 Ion Ratio Lower Upper
 172 100
 171 32.2 31.5 47.3
 170 22.4 20.8 31.2

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#52

Acenaphthene

Concen: 8.574 ng

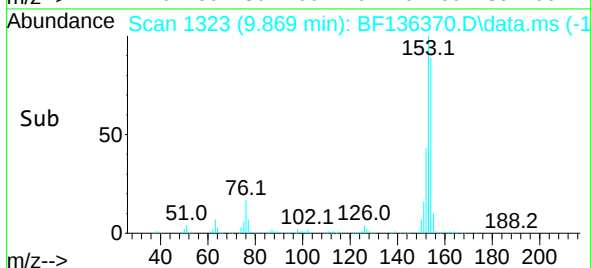
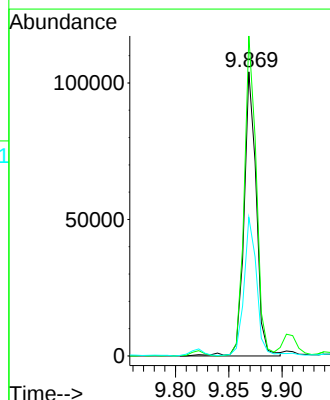
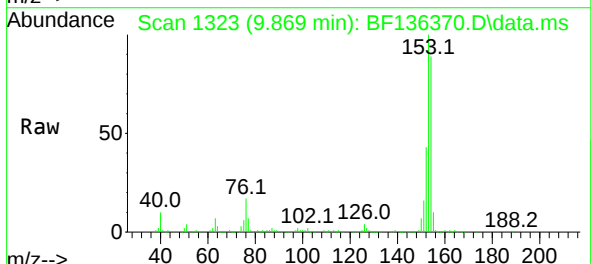
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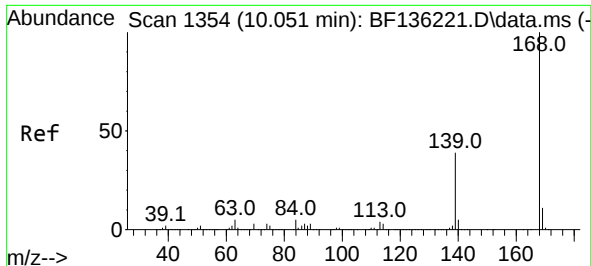
Delta R.T. -0.012 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

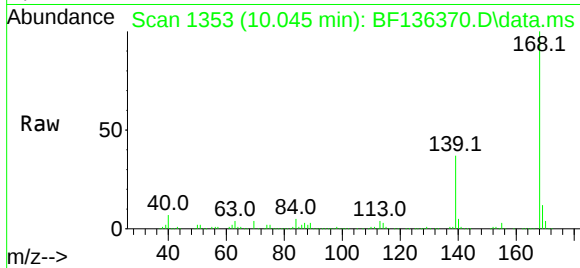
Tgt Ion:154 Resp: 82978
 Ion Ratio Lower Upper
 154 100
 153 112.6 100.8 151.2
 152 48.8 47.0 70.6





#55
Dibenzenofuran
Concen: 9.732 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

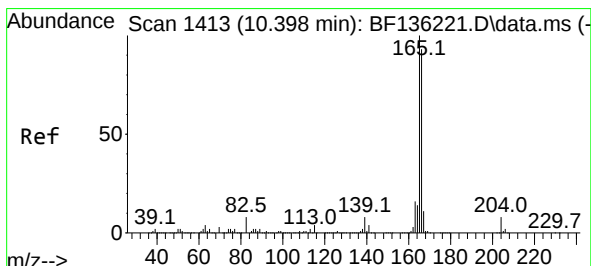
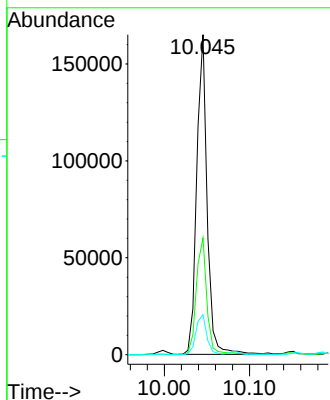
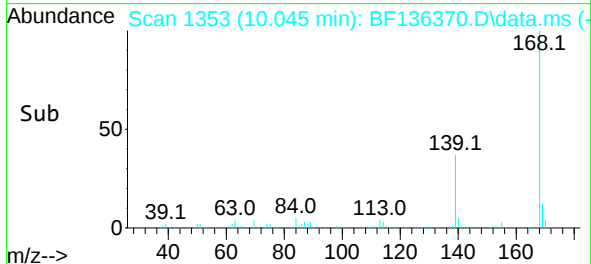
Instrument :
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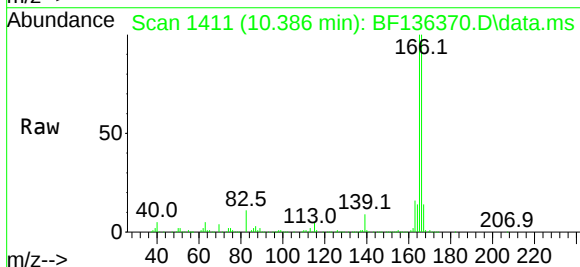
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Ion Ratio Lower Upper
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139 36.5 30.9 46.3
169 12.5 9.1 13.7

Manual Integrations
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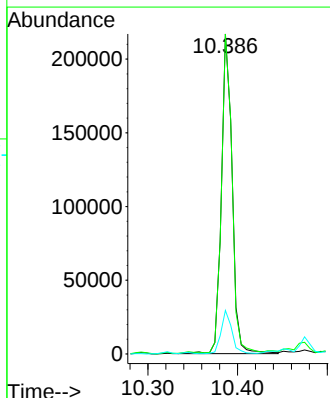
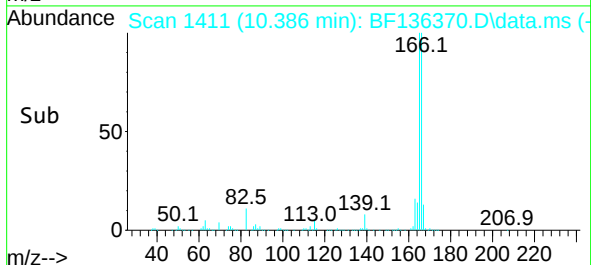
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

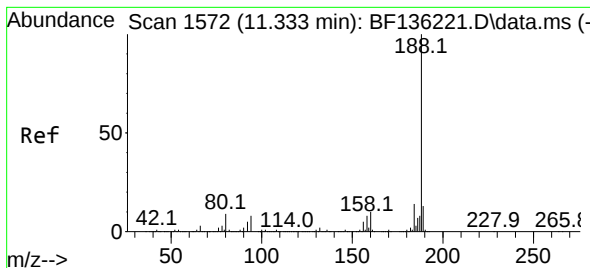


#58
Fluorene
Concen: 15.924 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56



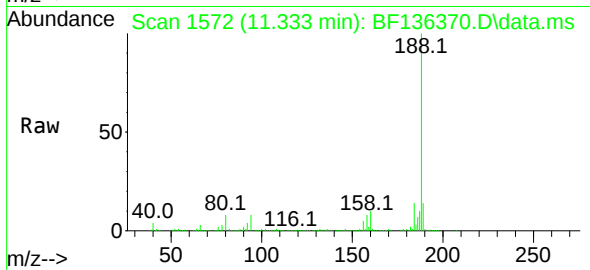
Tgt Ion:166 Resp: 179868
Ion Ratio Lower Upper
166 100
165 99.9 86.2 129.4
167 13.6 9.1 13.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

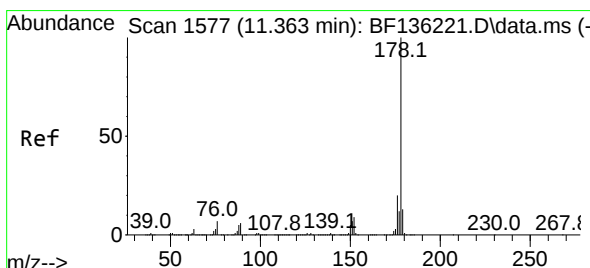
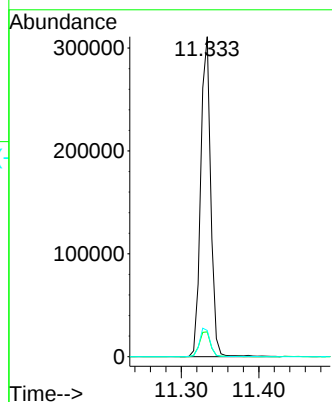
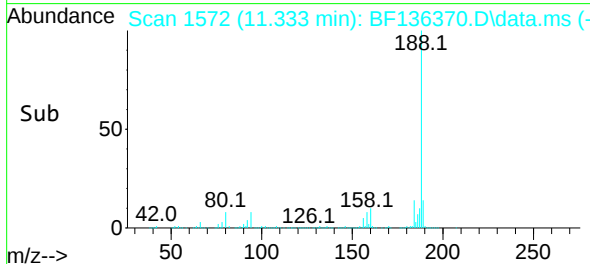
Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



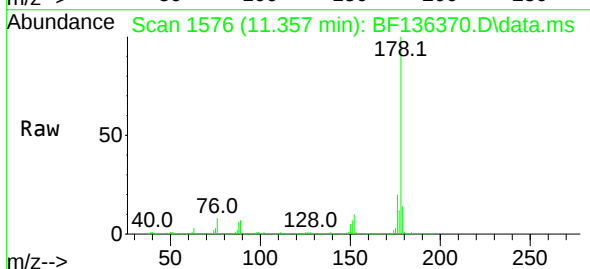
Tgt Ion:188 Resp: 27972
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.2 7.2 10.8

Manual Integrations
APPROVED

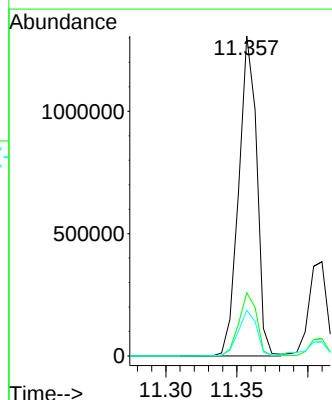
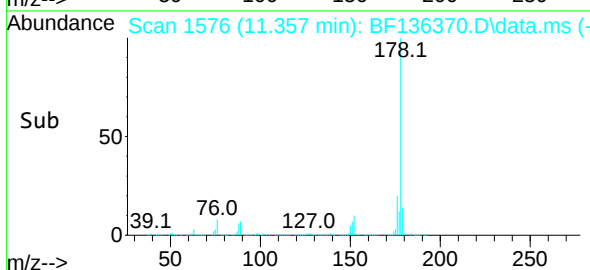
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

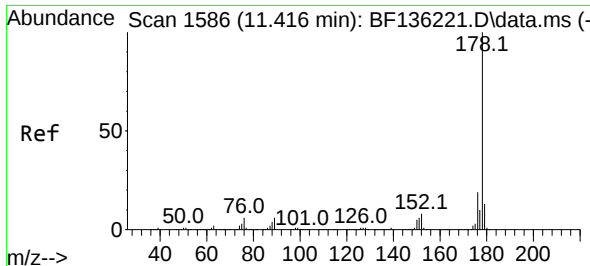


#71
Phenanthrene
Concen: 73.534 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56



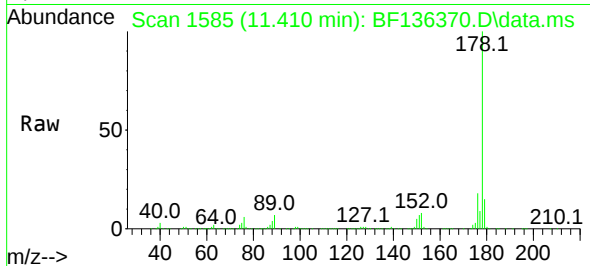
Tgt Ion:178 Resp: 1156067
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 14.3 10.3 15.5





#72
 Anthracene
 Concen: 21.142 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136370.D
 Acq: 02 Dec 2023 09:56

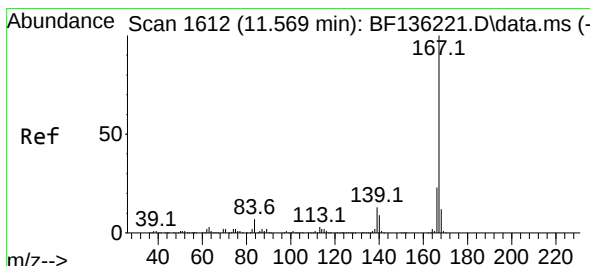
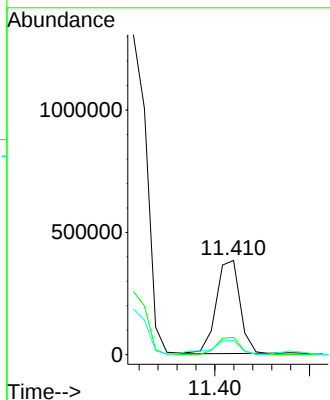
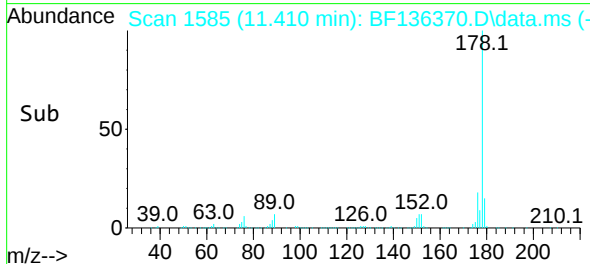
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-112923DL



Tgt Ion:178 Resp: 333329
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.5 23.3
 179 14.9 10.5 15.7

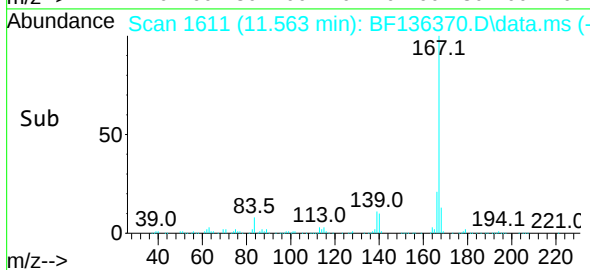
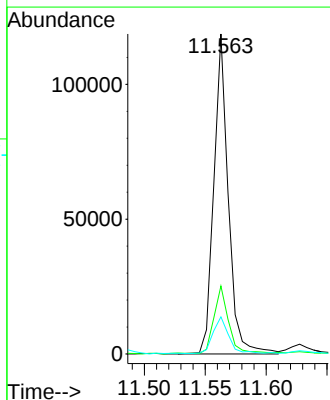
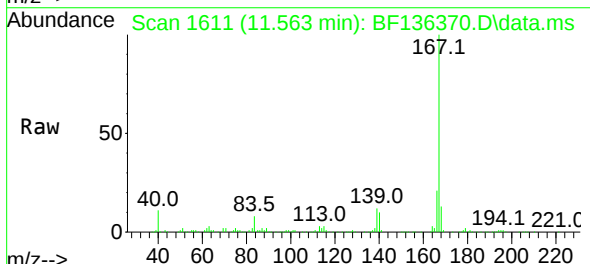
Manual Integrations
 APPROVED

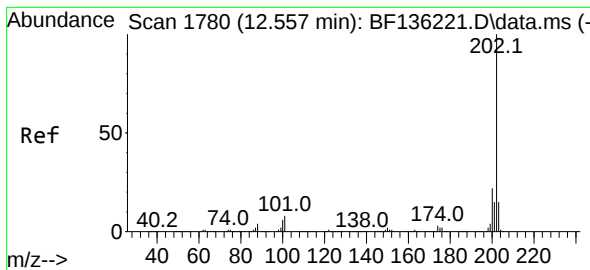
Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023



#73
 Carbazole
 Concen: 7.346 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF136370.D
 Acq: 02 Dec 2023 09:56

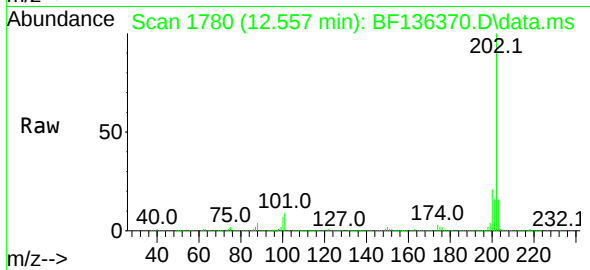
Tgt Ion:167 Resp: 98508
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.4 27.6
 139 11.6 10.5 15.7





#75
Fluoranthene
Concen: 79.962 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

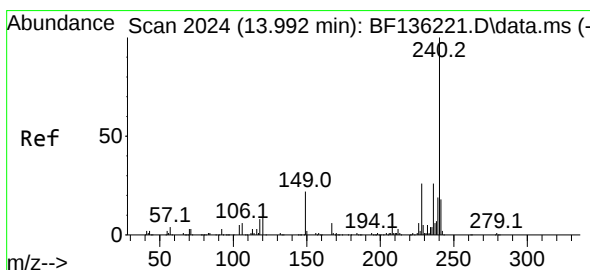
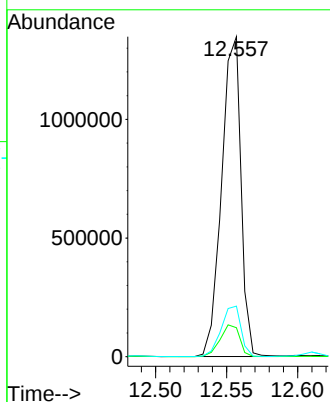
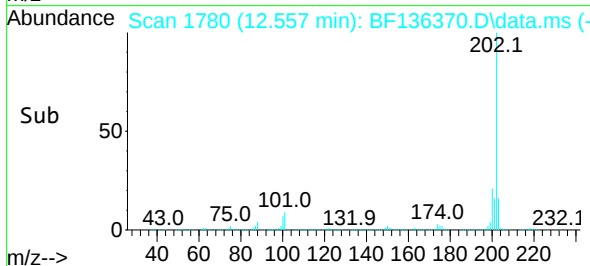
Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



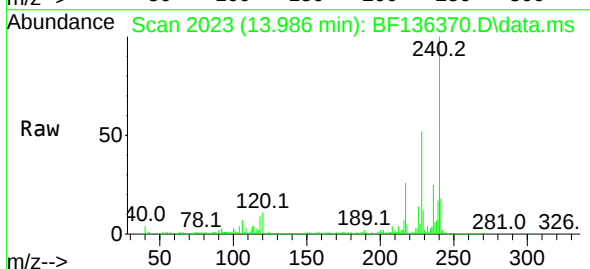
Tgt Ion:202 Resp: 127619
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.8
203 15.8 0.0 34.5

Manual Integrations
APPROVED

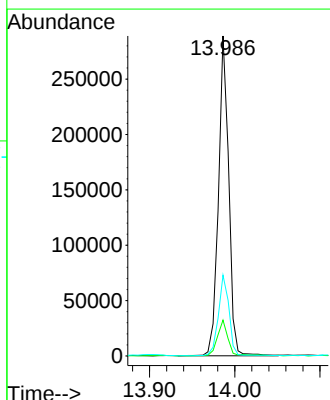
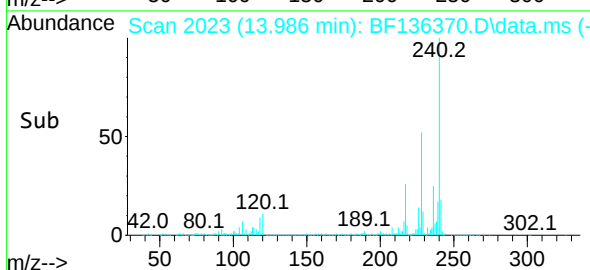
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

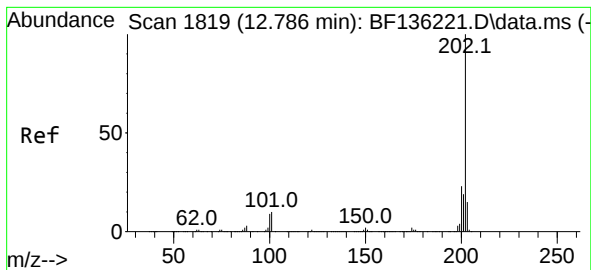


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56



Tgt Ion:240 Resp: 241761
Ion Ratio Lower Upper
240 100
120 11.2 7.4 11.2#
236 25.2 21.1 31.7





#78

Pyrene

Concen: 39.063 ng

RT: 12.780 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

Tgt Ion:202 Resp: 103426

Ion Ratio Lower Upper

202 100

200 21.8 18.4 27.6

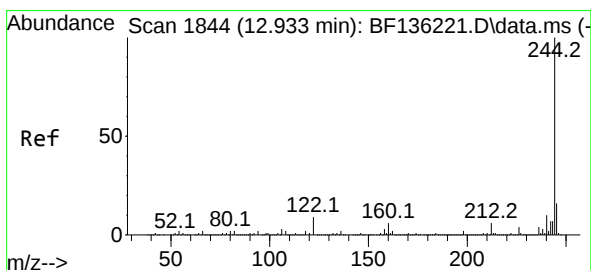
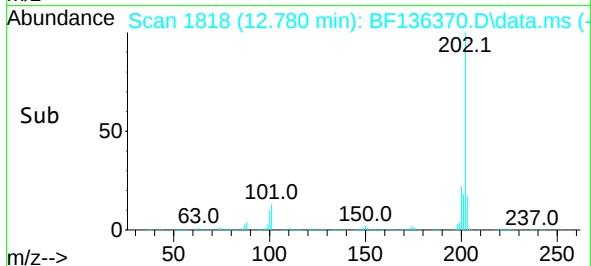
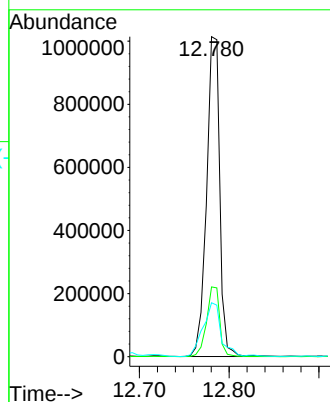
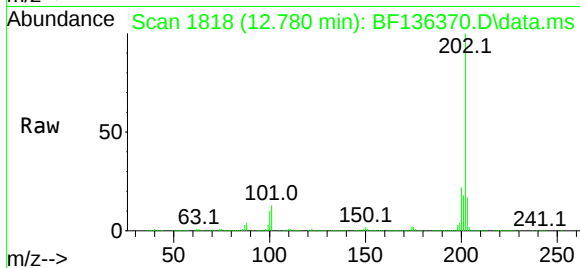
203 16.9 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#79

Terphenyl-d14

Concen: 2.969 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

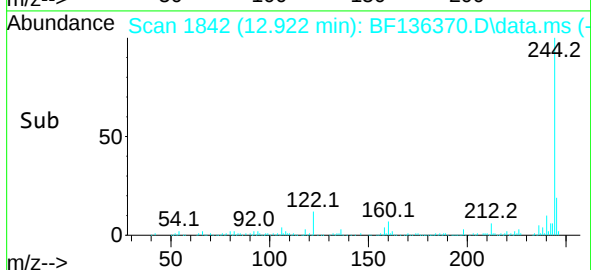
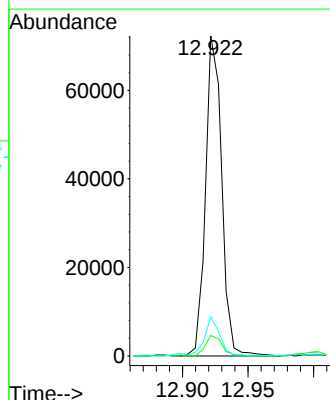
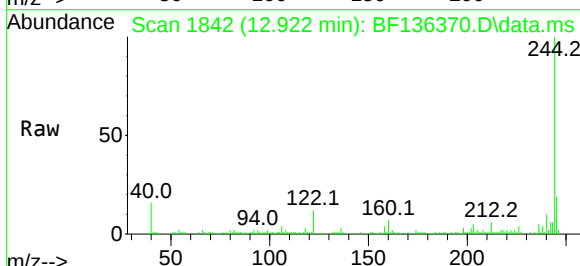
Tgt Ion:244 Resp: 62238

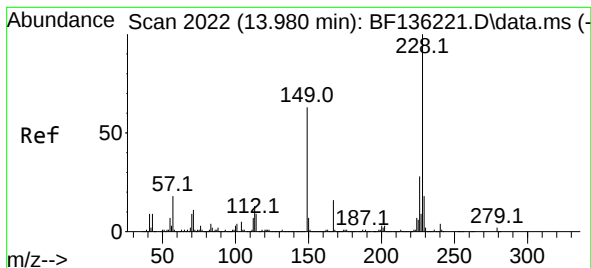
Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 12.2 7.3 10.9#





#81

Benzo(a)anthracene

Concen: 29.672 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

Tgt Ion:228 Resp: 53282

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

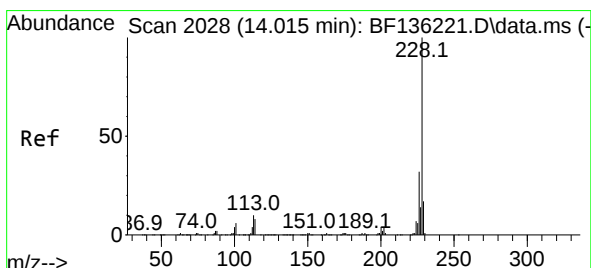
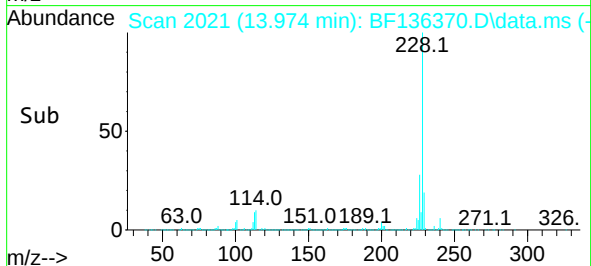
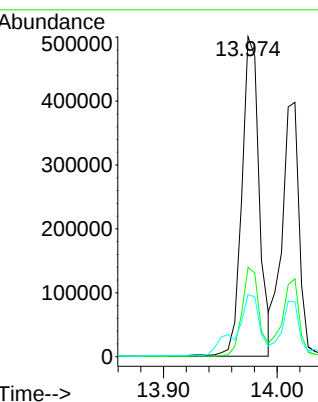
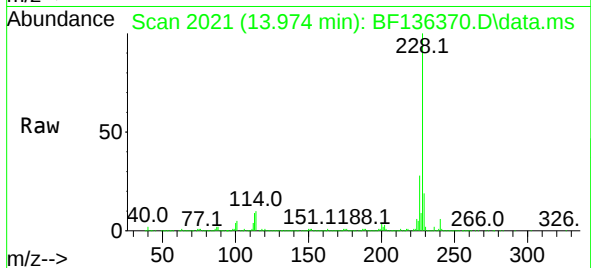
229 19.4 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#83

Chrysene

Concen: 24.433 ng m

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136370.D

Acq: 02 Dec 2023 09:56

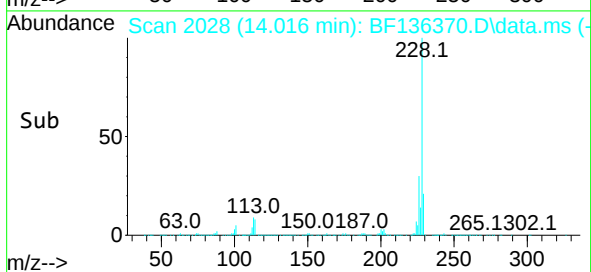
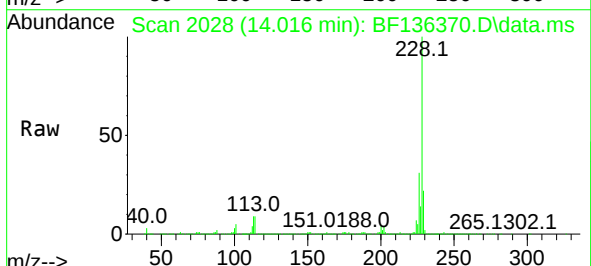
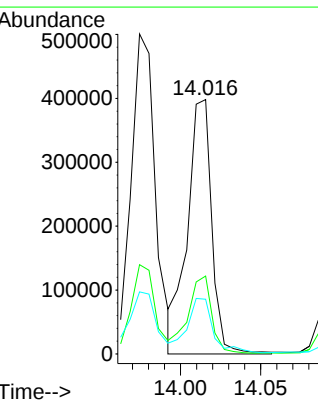
Tgt Ion:228 Resp: 423637

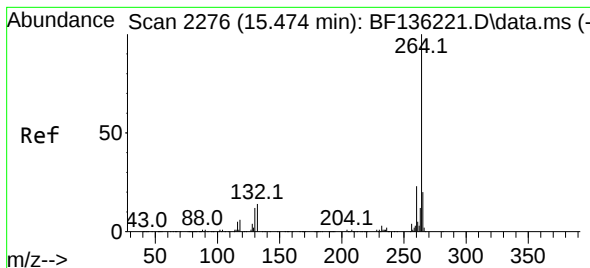
Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

229 21.5 13.9 20.9#





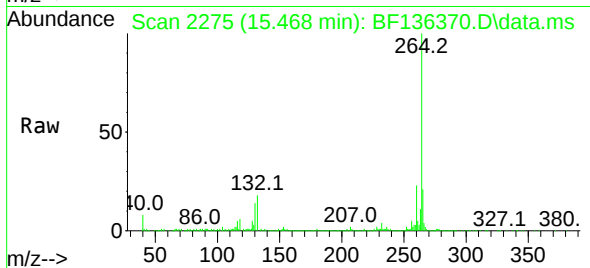
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

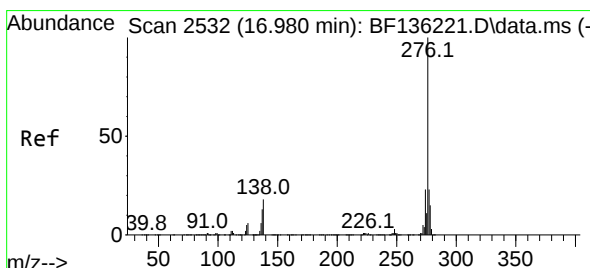
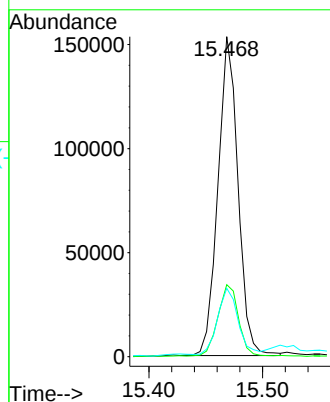
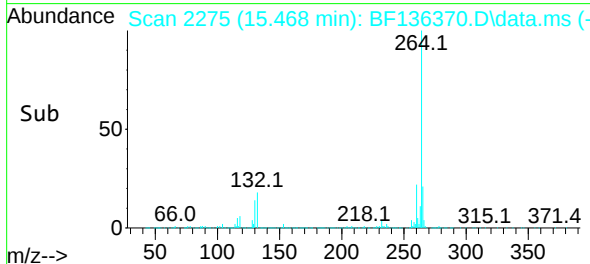


Tgt Ion:264 Resp: 188228
Ion Ratio Lower Upper
264 100
260 22.5 18.6 27.8
265 21.3 15.7 23.5

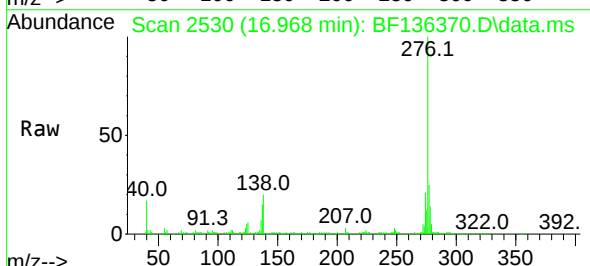
Manual Integrations

APPROVED

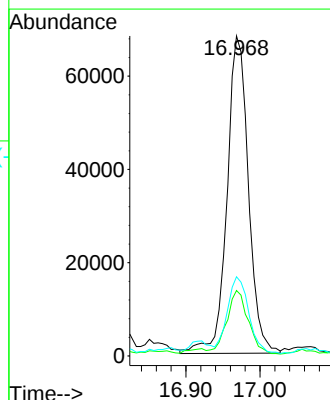
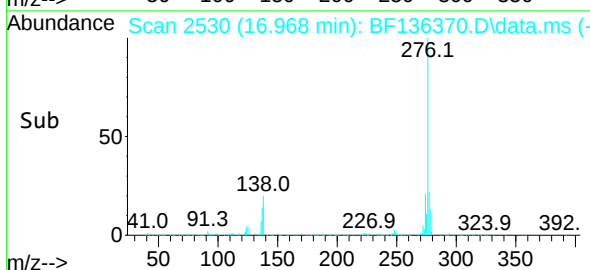
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

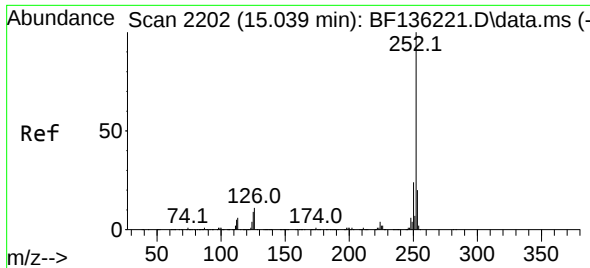


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.869 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56



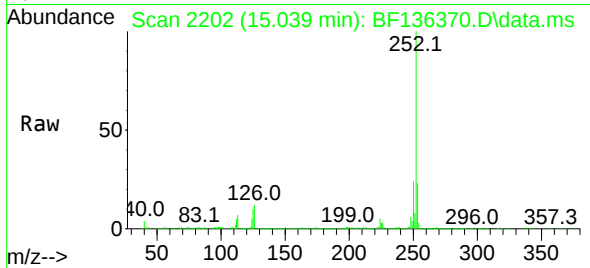
Tgt Ion:276 Resp: 136947
Ion Ratio Lower Upper
276 100
138 20.2 17.7 26.5
277 23.9 19.6 29.4





#88
Benzo(b)fluoranthene
Concen: 31.005 ng m
RT: 15.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

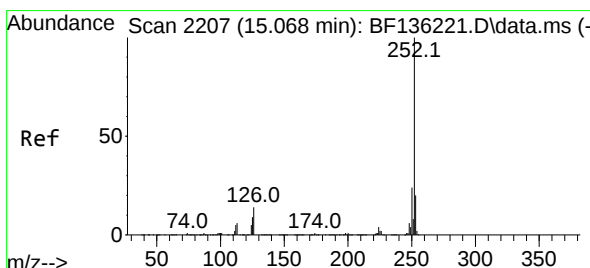
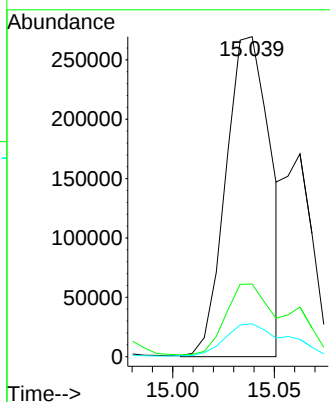
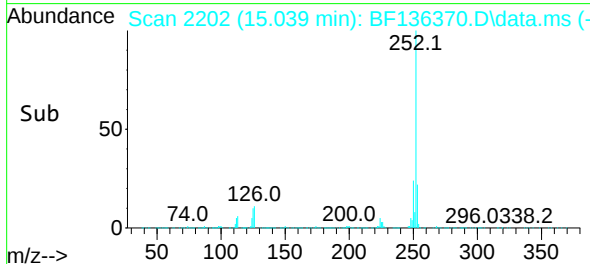
Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



Tgt Ion:252 Resp: 40944
Ion Ratio Lower Upper
252 100
253 22.7 16.2 24.2
125 10.3 6.9 10.3

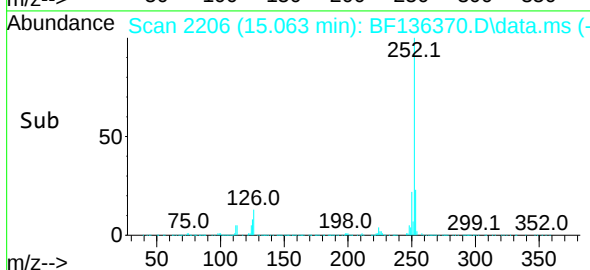
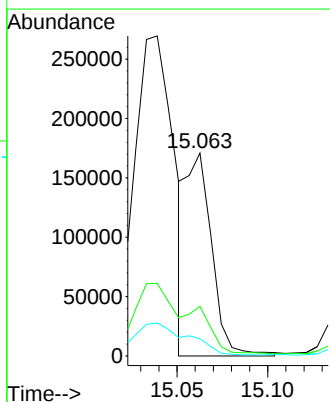
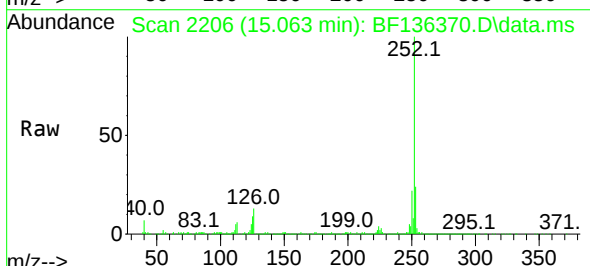
Manual Integrations
APPROVED

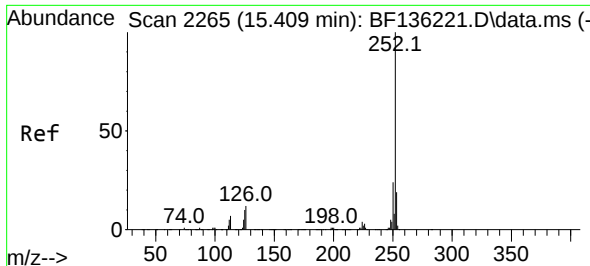
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#89
Benzo(k)fluoranthene
Concen: 13.345 ng m
RT: 15.063 min Scan# 2206
Delta R.T. -0.005 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Tgt Ion:252 Resp: 167384
Ion Ratio Lower Upper
252 100
253 24.4 15.6 23.4#
125 8.5 7.0 10.4





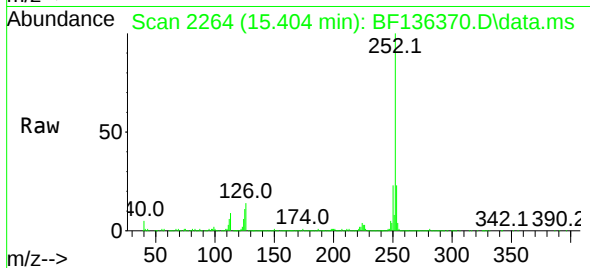
#90
Benzo(a)pyrene
Concen: 26.733 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Instrument :

BNA_F

ClientSampleId :

EO-03-112923DL

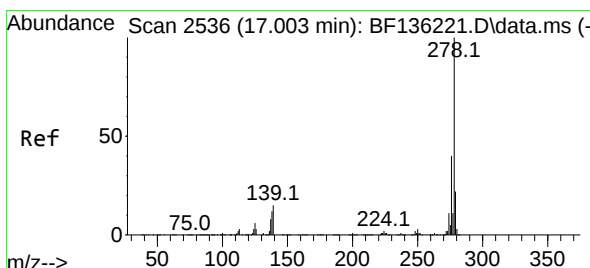
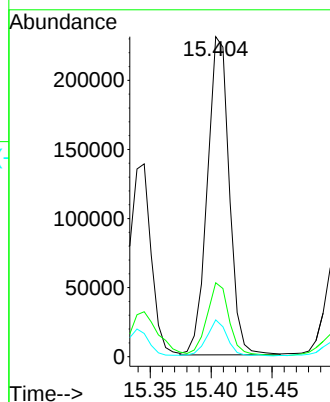
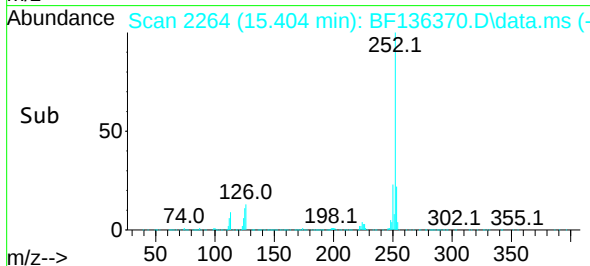


Tgt Ion:252 Resp: 288599
Ion Ratio Lower Upper
252 100
253 23.1 15.5 23.3
125 11.5 7.9 11.9

Manual Integrations

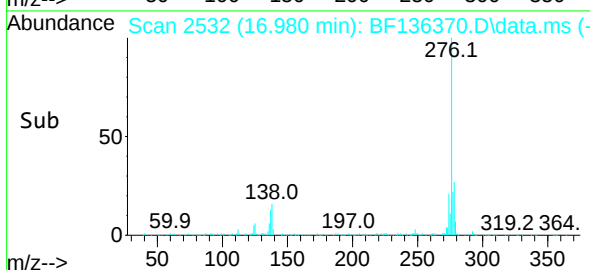
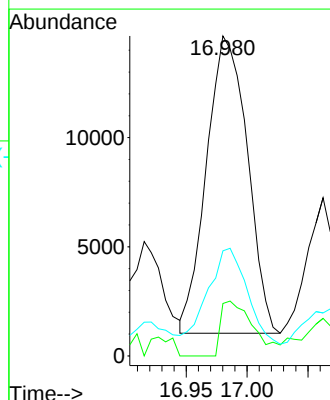
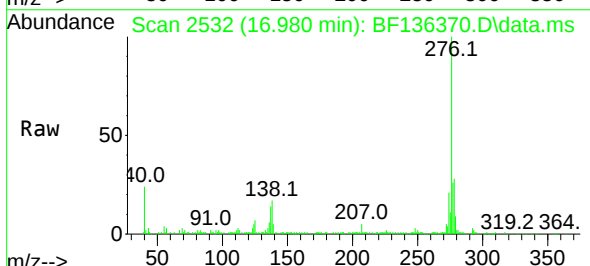
APPROVED

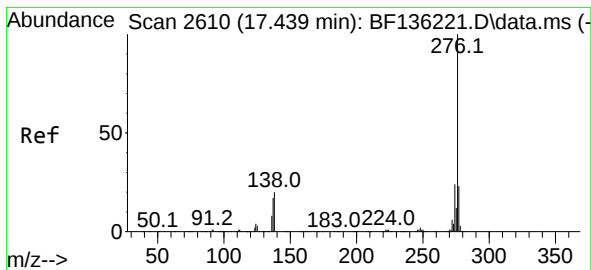
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#91
Dibenzo(a,h)anthracene
Concen: 5.368 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.023 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

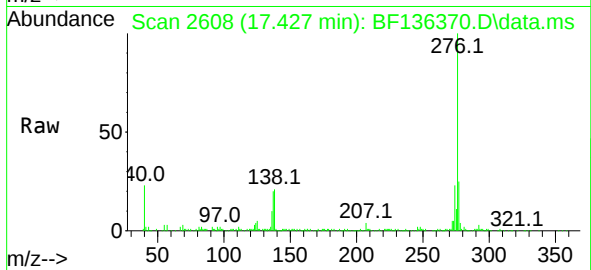
Tgt Ion:278 Resp: 31770
Ion Ratio Lower Upper
278 100
139 16.4 11.7 17.5
279 32.8 17.8 26.8#





#92
Benzo(g,h,i)perylene
Concen: 12.283 ng
RT: 17.427 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136370.D
Acq: 02 Dec 2023 09:56

Instrument :
BNA_F
ClientSampleId :
EO-03-112923DL



Tgt Ion: 276 Resp: 122499
Ion Ratio Lower Upper
276 100
277 25.1 18.6 27.8
138 20.6 15.8 23.8

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 12/04/2023
Supervised By : mohammad ahmed 12/05/2023

