

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136946.D
 Acq On : 04 Jan 2024 18:09
 Operator : CG\JU
 Sample : 06017-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
 ahmed
 01/05/2024

Quant Time: Jan 05 00:40:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	51897	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	185311	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	98036	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	186175	20.000	ng	0.00
76) Chrysene-d12	13.968	240	118129	20.000	ng	0.00
86) Perylene-d12	15.451	264	130901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	241300	72.547	ng	0.00
7) Phenol-d6	6.434	99	335289	77.796	ng	0.00
23) Nitrobenzene-d5	7.357	82	206506	57.024	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	54843	47.500	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	445974	61.185	ng	-0.01
79) Terphenyl-d14	12.904	244	451563	53.420	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.092	128	804823	79.055	ng	99
37) 2-Methylnaphthalene	8.786	142	1030972	157.356	ng	99
38) 1-Methylnaphthalene	8.880	142	506456	78.790	ng	100
52) Acenaphthene	9.845	154	63389	10.697	ng	98
55) Dibenzofuran	10.022	168	62762	6.987	ng	# 96
58) Fluorene	10.363	166	71925	10.092	ng	99
71) Phenanthrene	11.333	178	437088	45.755	ng	99
72) Anthracene	11.386	178	108411	11.206	ng	98
75) Fluoranthene	12.533	202	414911	40.605	ng	99
78) Pyrene	12.763	202	337757	29.126	ng	100
81) Benzo(a)anthracene	13.957	228	147472	17.978	ng	99
83) Chrysene	13.992	228	108067	13.472	ng	96
87) Indeno(1,2,3-cd)pyrene	16.956	276	66736	7.061	ng	98
88) Benzo(b)fluoranthene	15.015	252	148895m	17.030	ng	
89) Benzo(k)fluoranthene	15.045	252	52611m	6.368	ng	
90) Benzo(a)pyrene	15.386	252	115214	15.612	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	17436	2.249	ng	# 92
92) Benzo(g,h,i)perylene	17.415	276	61788	7.780	ng	99

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

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Sample : 06017-01
Misc :
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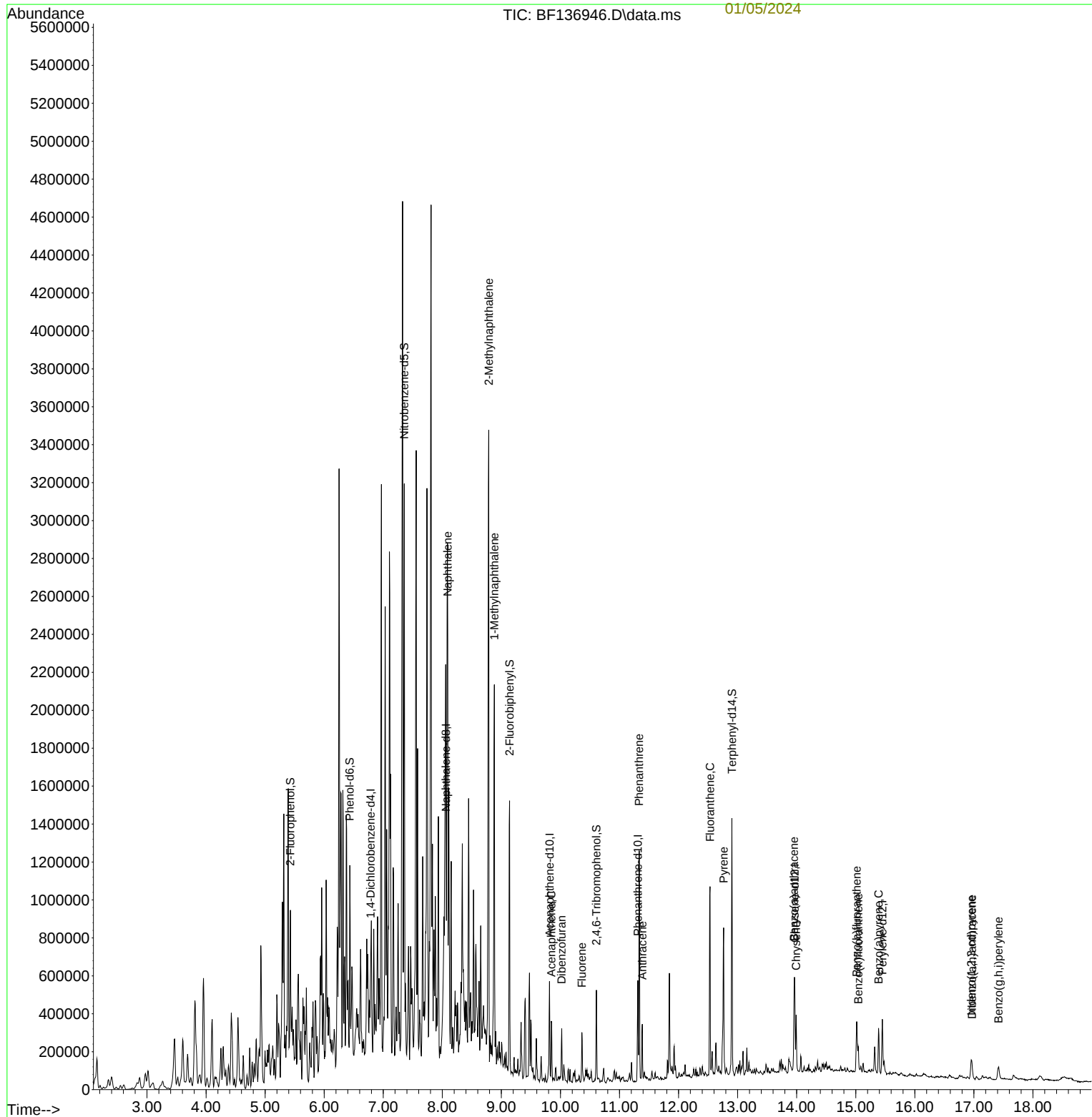
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

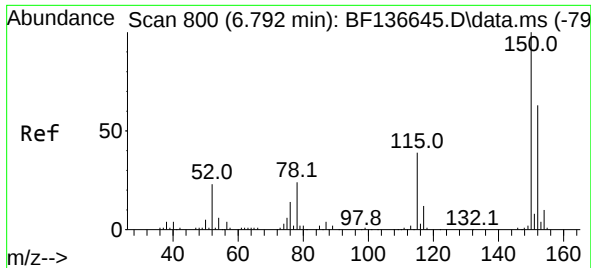
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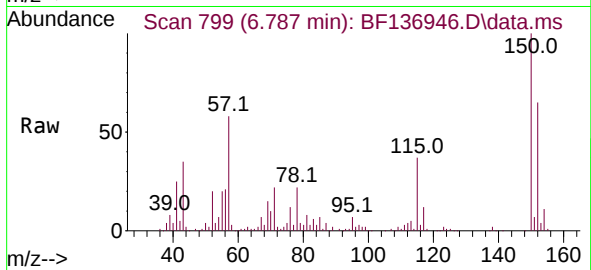
Supervised By :mohammad
ahmed
01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

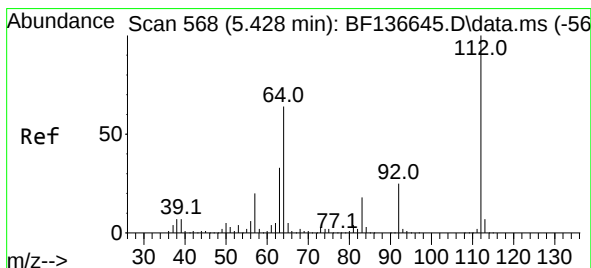
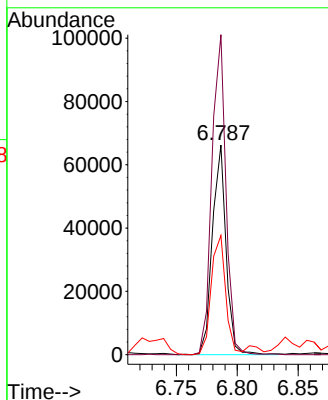
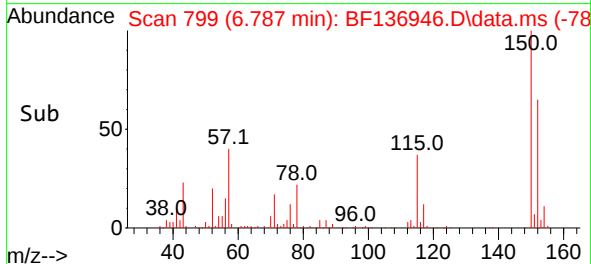


Tgt Ion:152 Resp: 51897
Ion Ratio Lower Upper
152 100
150 152.7 127.0 190.6
115 56.9 49.0 73.4

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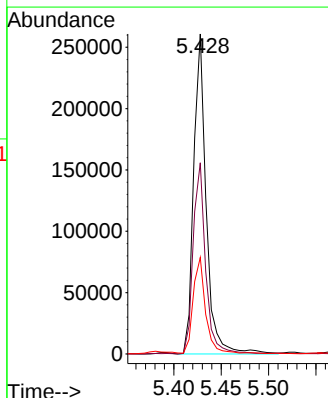
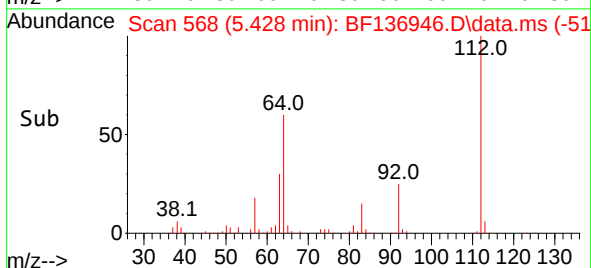
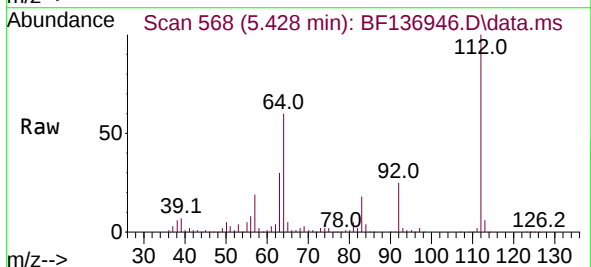
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

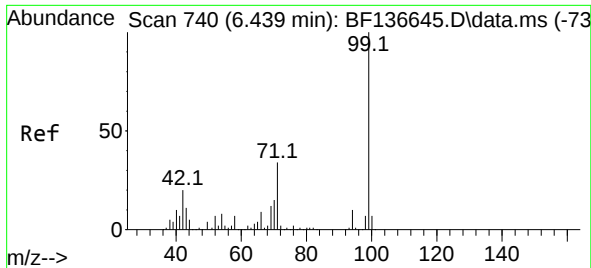
Supervised By :mohammad
ahmed
01/05/2024



#5
2-Fluorophenol
Concen: 72.547 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

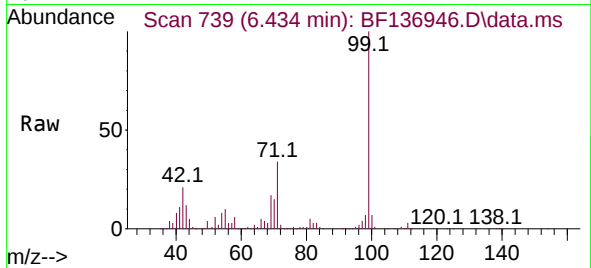
Tgt Ion:112 Resp: 241300
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 30.2 26.1 39.1





#7
Phenol-d6
Concen: 77.796 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

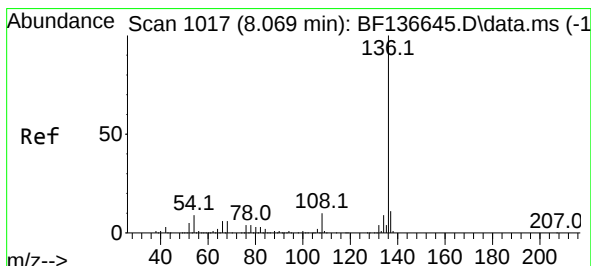
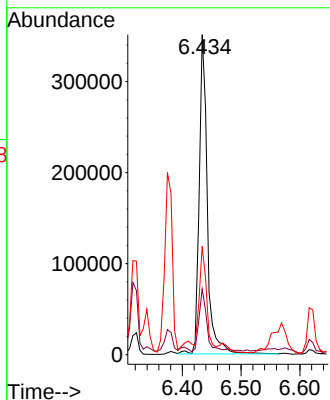
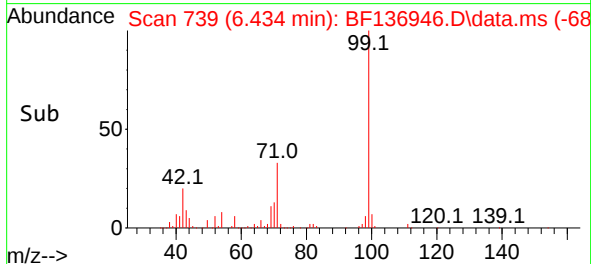


Tgt Ion: 99 Resp: 335289
Ion Ratio Lower Upper
99 100
42 20.6 16.1 24.1
71 33.8 27.4 41.2

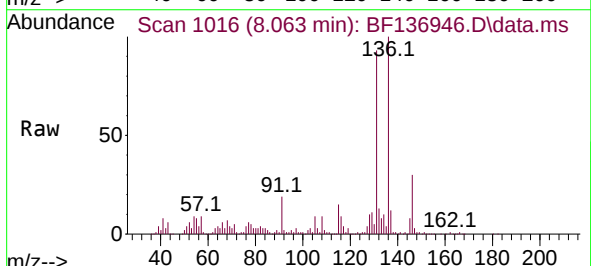
Manual Integrations
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Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

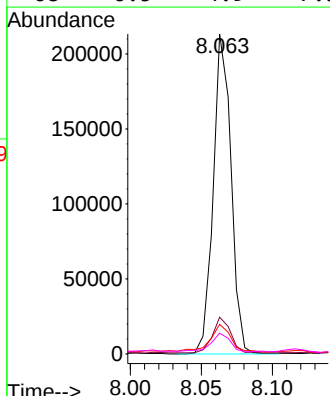
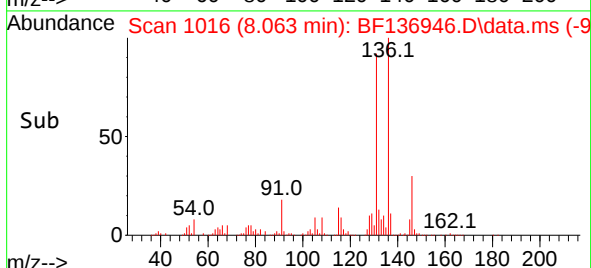
Supervised By :mohammad
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01/05/2024

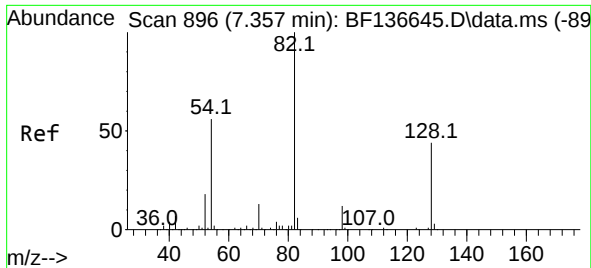


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09



Tgt Ion:136 Resp: 185311
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 9.2 7.2 10.8
68 6.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 57.024 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

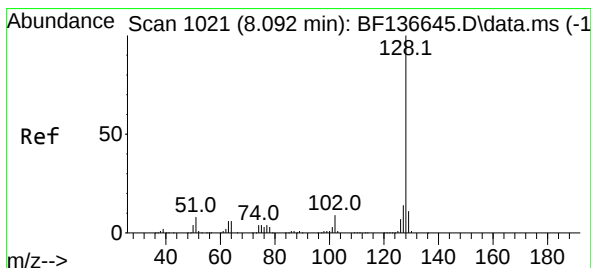
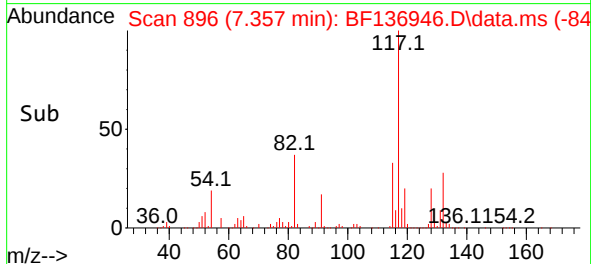
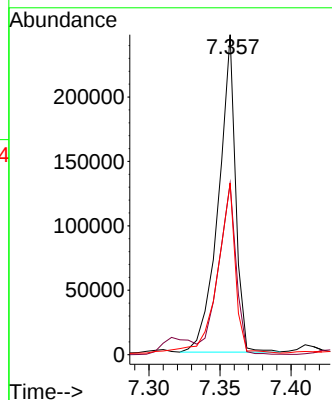
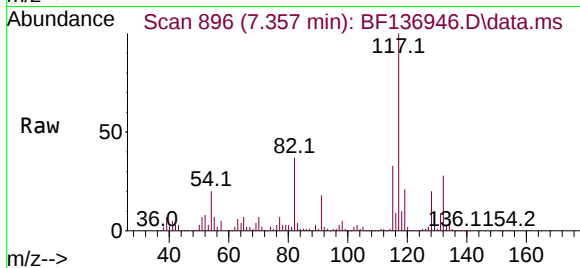
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

Tgt Ion: 82 Resp: 206500
Ion Ratio Lower Upper
82 100
128 53.6 35.3 52.9
54 53.6 44.5 66.7

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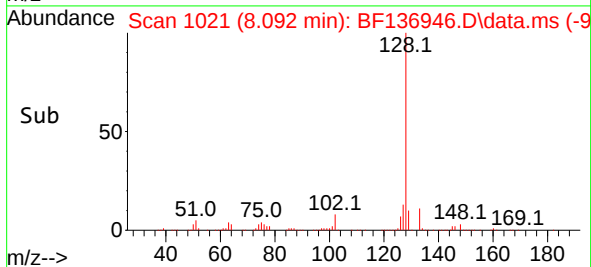
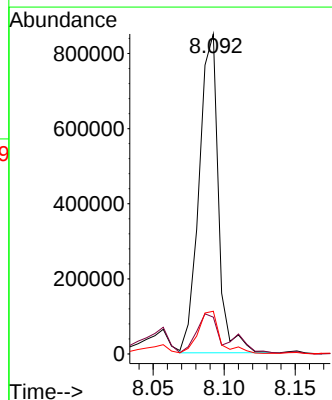
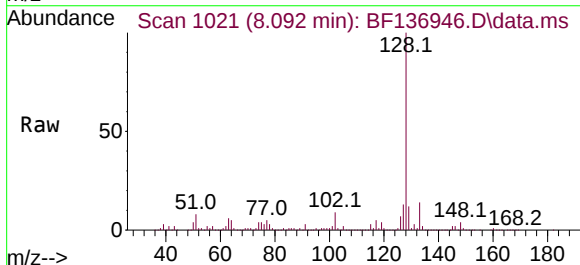
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

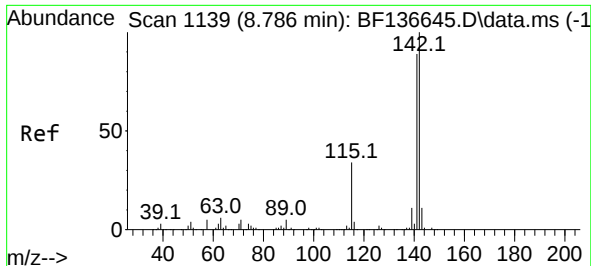
Supervised By :mohammad
ahmed
01/05/2024



#31
Naphthalene
Concen: 79.055 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Tgt Ion:128 Resp: 804823
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.3 10.8 16.2





#37

2-Methylnaphthalene

Concen: 157.356 ng

RT: 8.786 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5

Tgt Ion:142 Resp: 103097

Ion Ratio Lower Upper

142 100

141 87.9 71.1 106.7

Manual Integrations

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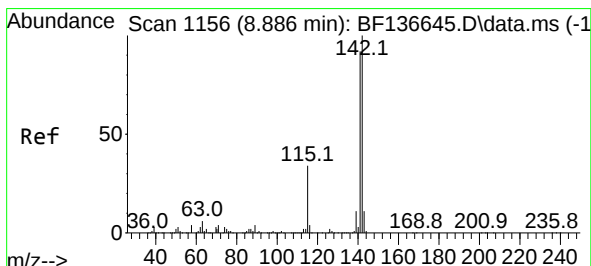
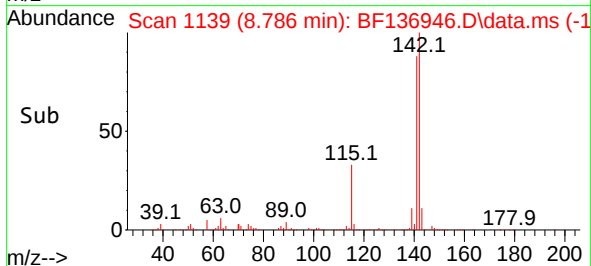
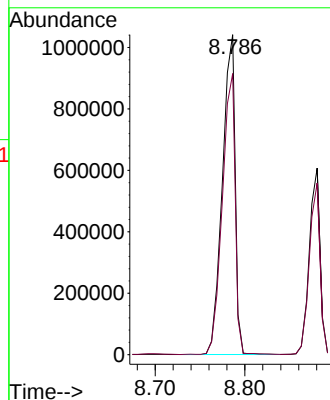
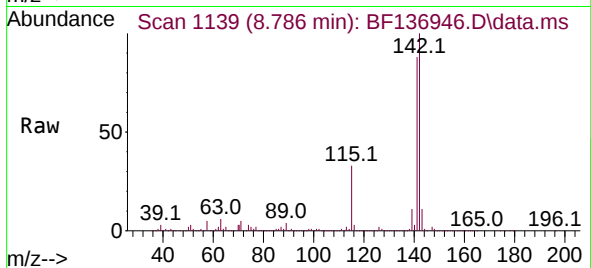
Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad

ahmed

01/05/2024



#38

1-Methylnaphthalene

Concen: 78.790 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF136946.D

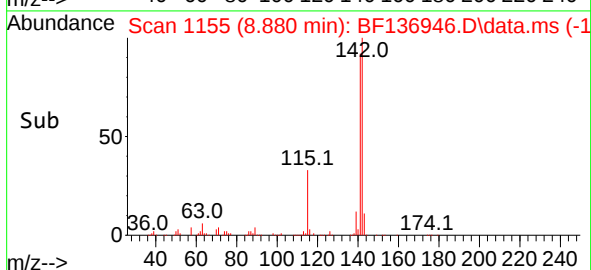
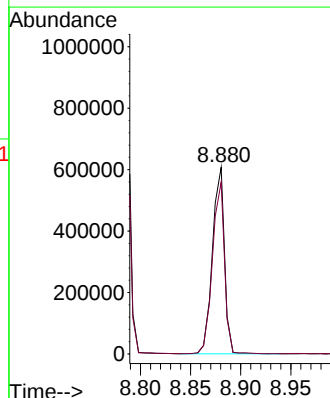
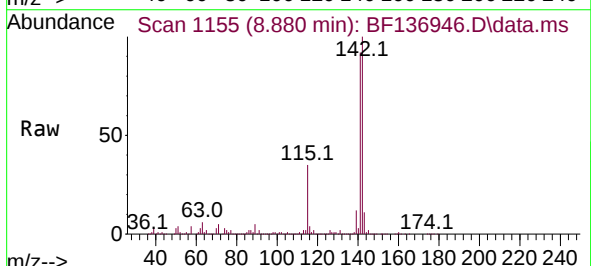
Acq: 04 Jan 2024 18:09

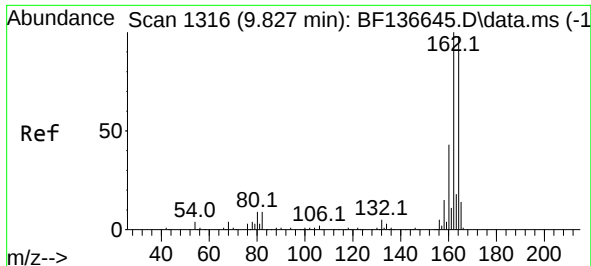
Tgt Ion:142 Resp: 506456

Ion Ratio Lower Upper

142 100

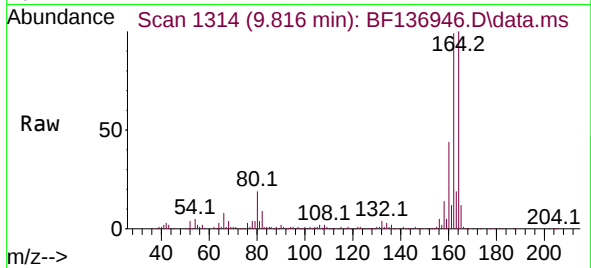
141 92.0 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

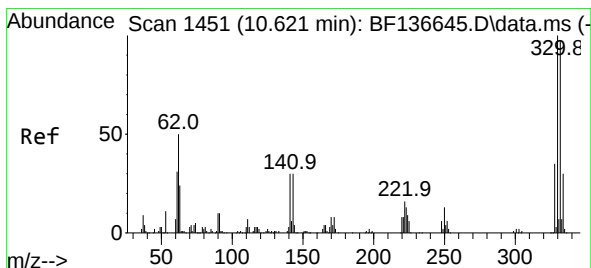
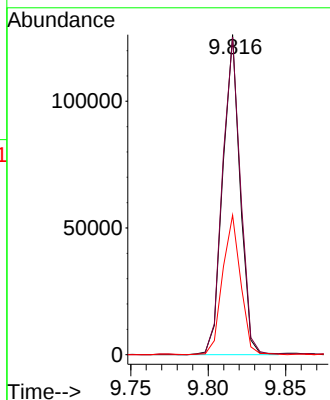
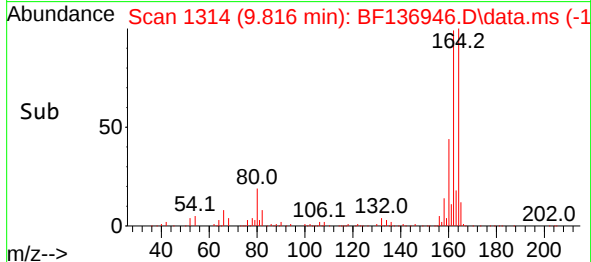


Tgt Ion:164 Resp: 98036
Ion Ratio Lower Upper
164 100
162 99.2 81.6 122.4
160 43.6 34.9 52.3

Manual Integrations
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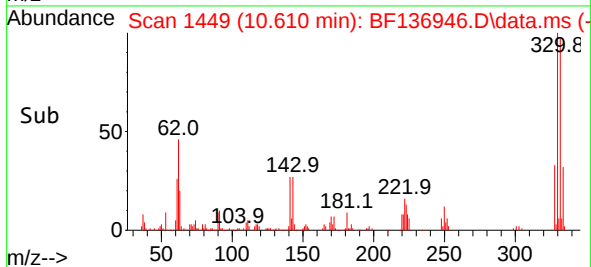
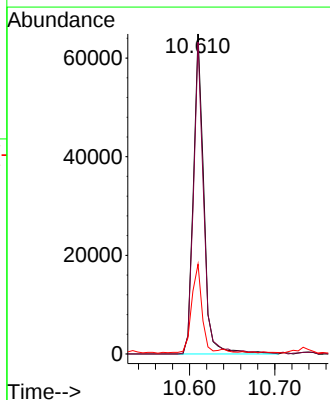
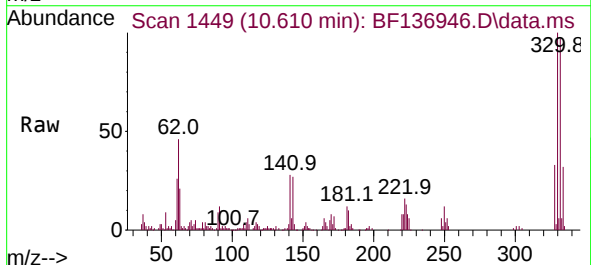
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

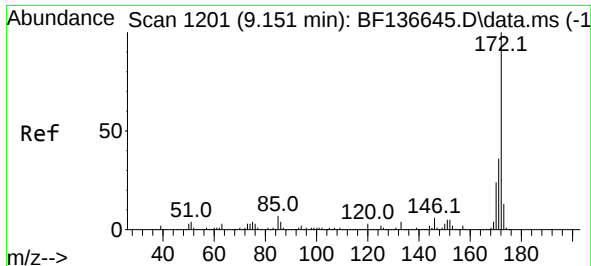
Supervised By :mohammad
ahmed
01/05/2024



#42
2,4,6-Tribromophenol
Concen: 47.500 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Tgt Ion:330 Resp: 54843
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 27.9 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 61.185 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136946.D

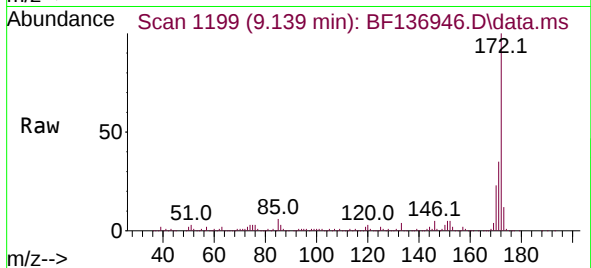
Acq: 04 Jan 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5



Tgt Ion:172 Resp: 445974

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.6
170	22.8	19.0	28.4

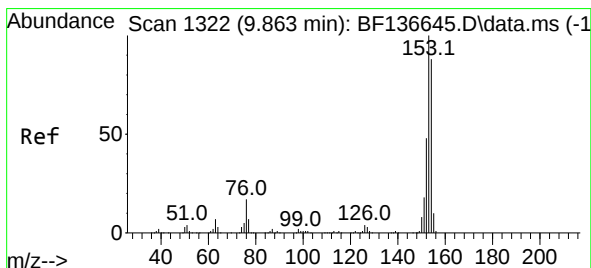
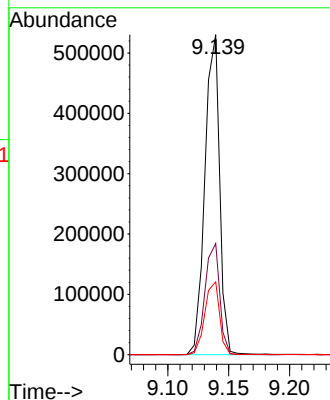
Manual Integrations

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Supervised By :mohammad
ahmed
01/05/2024



#52

Acenaphthene

Concen: 10.697 ng

RT: 9.845 min Scan# 1319

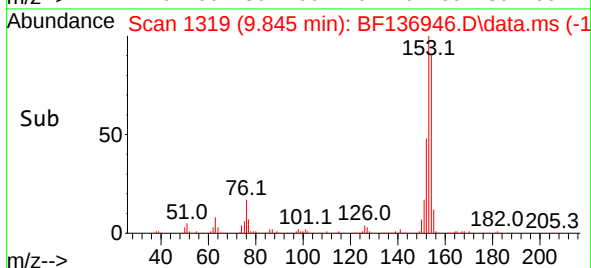
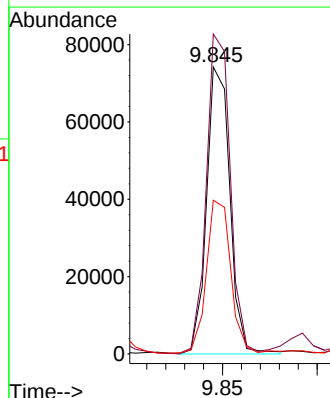
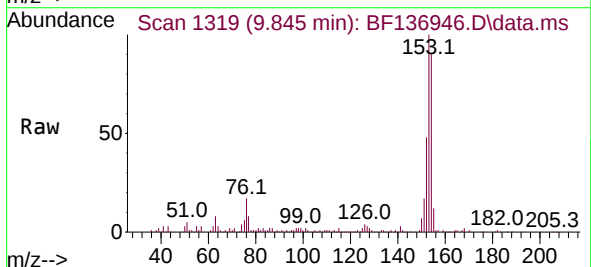
Delta R.T. -0.018 min

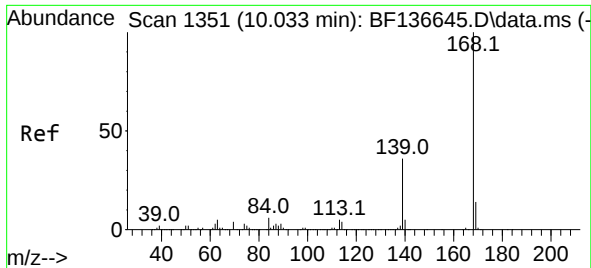
Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

Tgt Ion:154 Resp: 63389

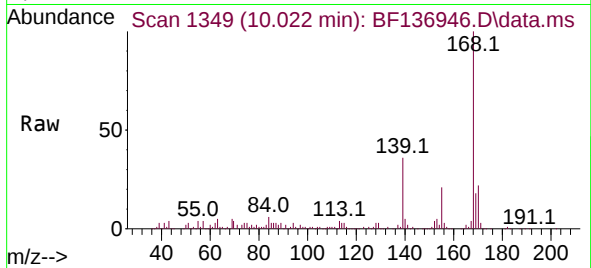
Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.7	136.1
152	53.6	43.7	65.5





#55
Dibenzenofuran
Concen: 6.987 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

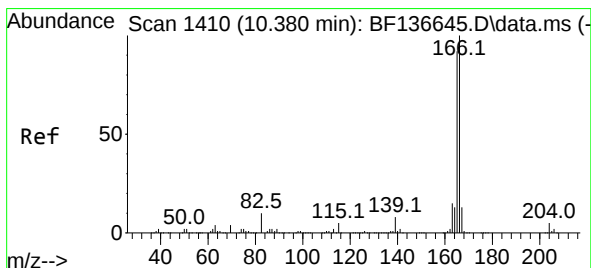
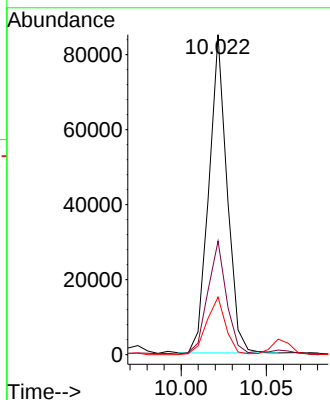
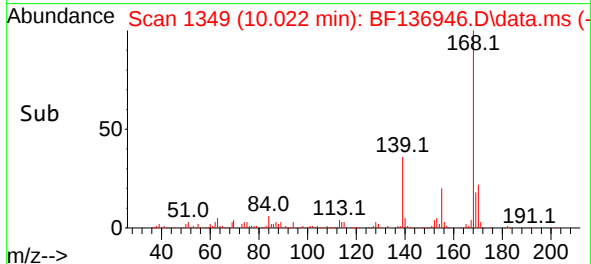


Tgt Ion:168 Resp: 62762
Ion Ratio Lower Upper
168 100
139 35.5 29.3 43.9
169 18.0 11.0 16.4

Manual Integrations
APPROVED

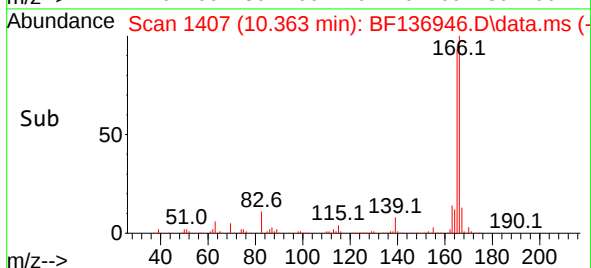
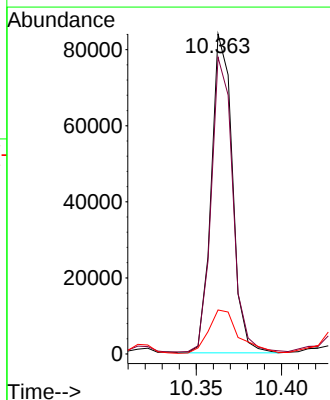
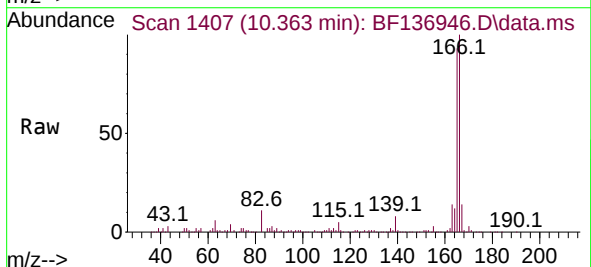
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

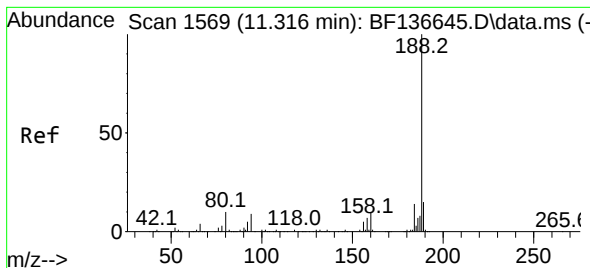
Supervised By :mohammad
ahmed
01/05/2024



#58
Fluorene
Concen: 10.092 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

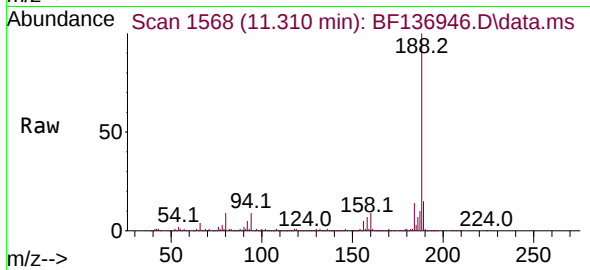
Tgt Ion:166 Resp: 71925
Ion Ratio Lower Upper
166 100
165 92.7 73.7 110.5
167 13.8 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

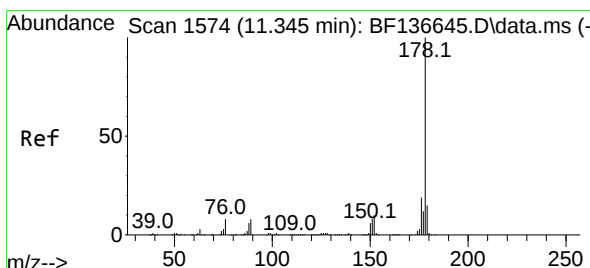
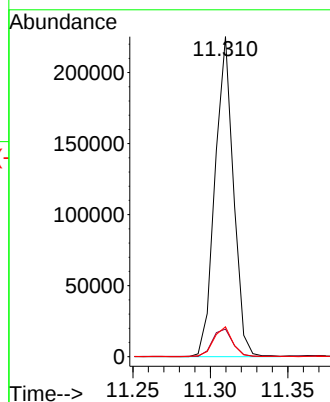
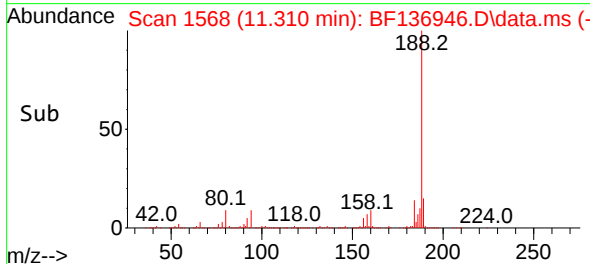


Tgt Ion:188 Resp: 186179
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.4 8.1 12.1

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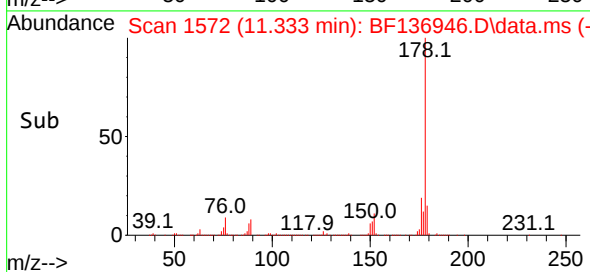
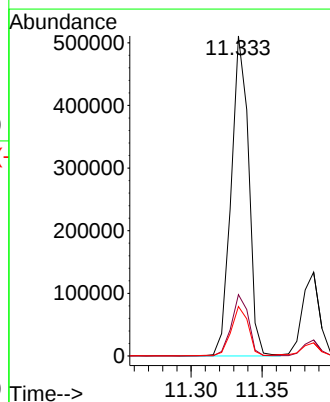
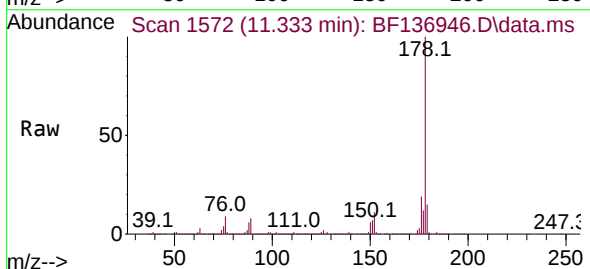
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

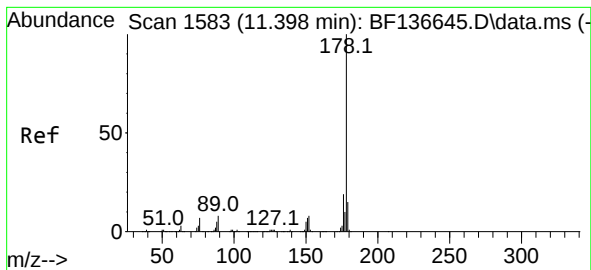
Supervised By :mohammad
ahmed
01/05/2024



#71
Phenanthrene
Concen: 45.755 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

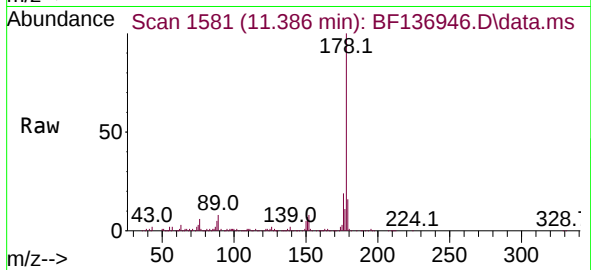
Tgt Ion:178 Resp: 437088
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 11.9 17.9





#72
 Anthracene
 Concen: 11.206 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136946.D
 Acq: 04 Jan 2024 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5

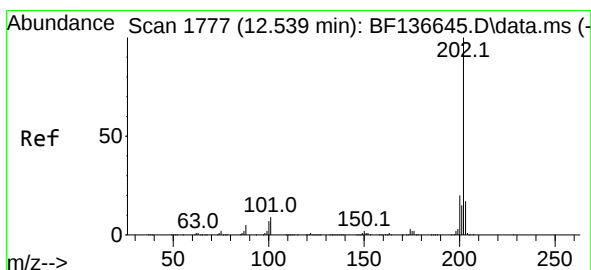
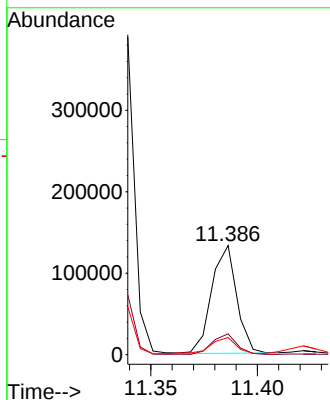
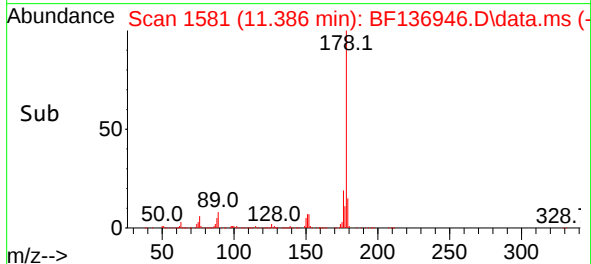


Tgt Ion:178 Resp: 10841
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 15.6 11.8 17.6

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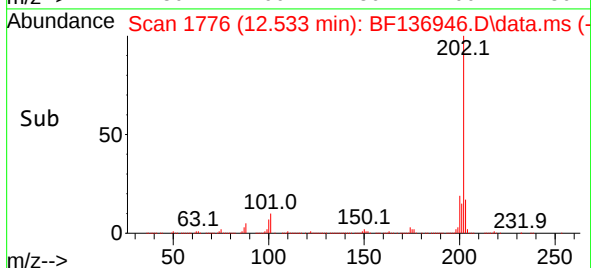
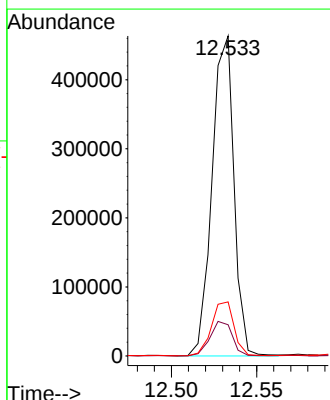
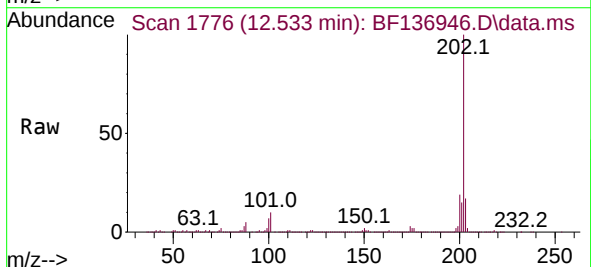
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

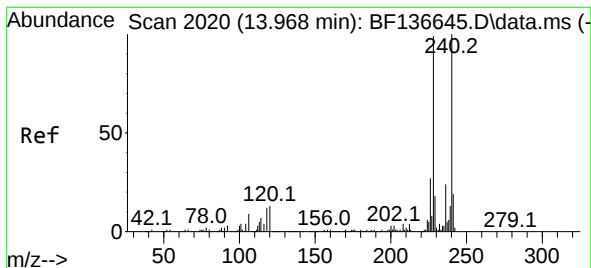
Supervised By :mohammad
 ahmed
 01/05/2024



#75
 Fluoranthene
 Concen: 40.605 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF136946.D
 Acq: 04 Jan 2024 18:09

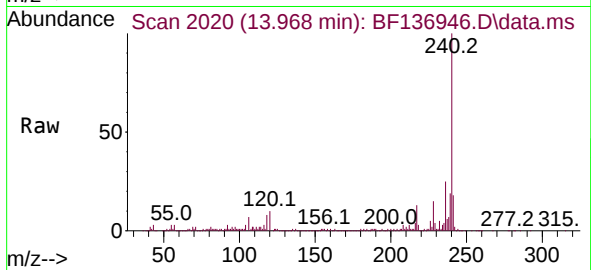
Tgt Ion:202 Resp: 414911
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.3
 203 16.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

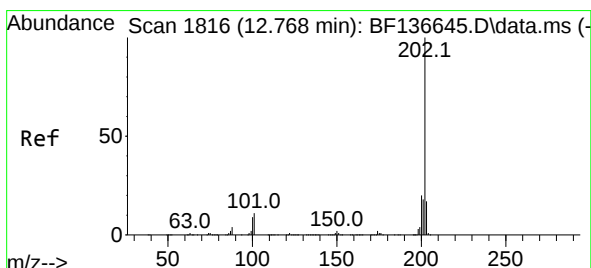
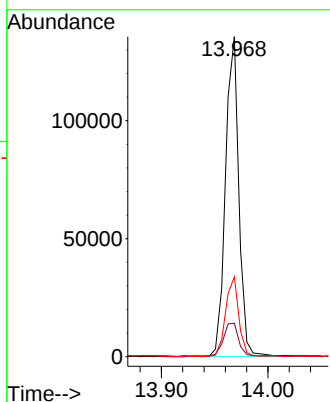
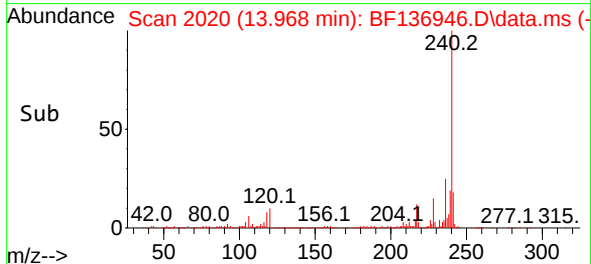


Tgt Ion:240 Resp: 118129
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 24.9 19.4 29.2

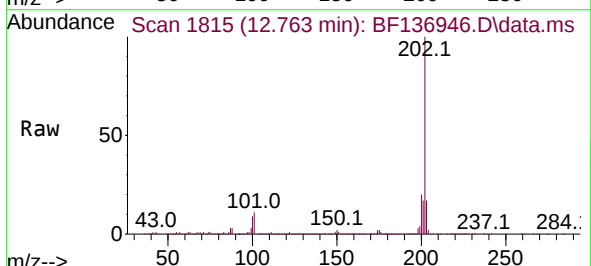
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Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

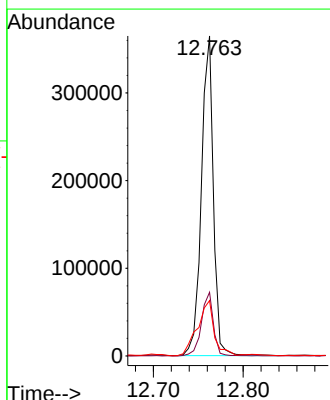
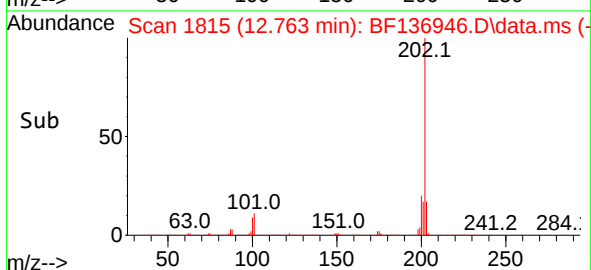
Supervised By :mohammad
ahmed
01/05/2024

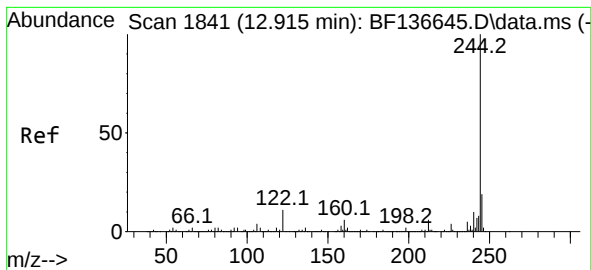


#78
Pyrene
Concen: 29.126 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09



Tgt Ion:202 Resp: 337757
Ion Ratio Lower Upper
202 100
200 19.9 15.9 23.9
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 53.420 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5

Tgt Ion:244 Resp: 45156

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.5 9.0 13.4

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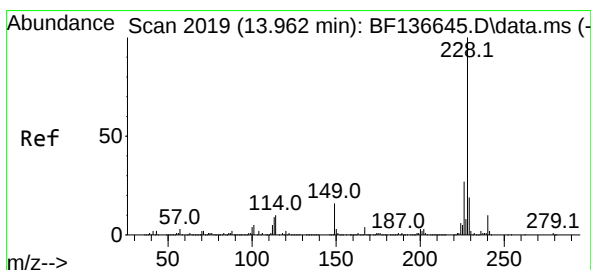
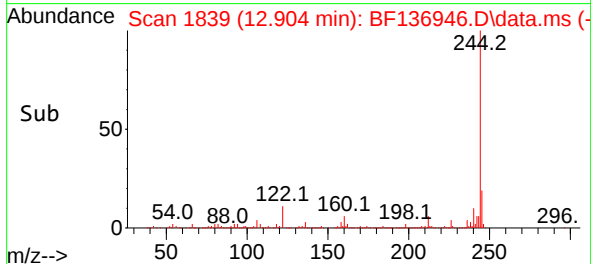
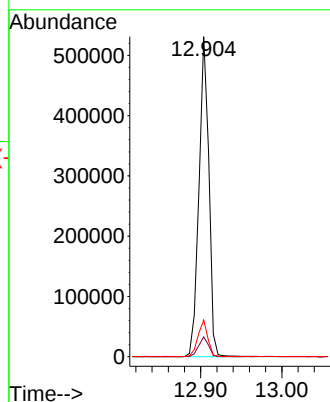
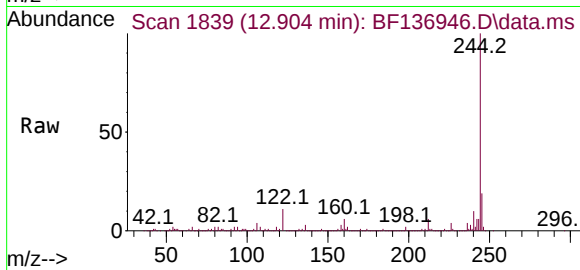
Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad

ahmed

01/05/2024



#81

Benzo(a)anthracene

Concen: 17.978 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

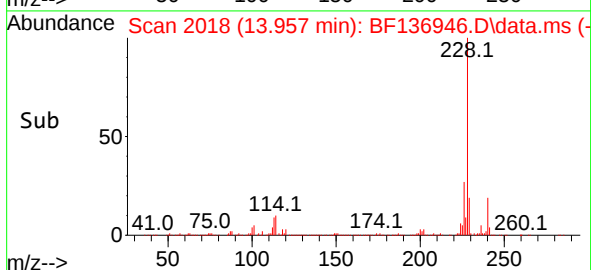
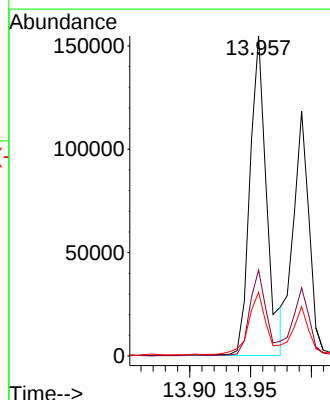
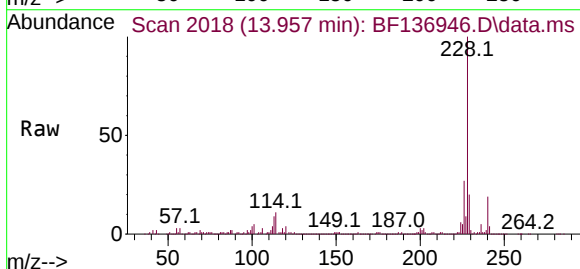
Tgt Ion:228 Resp: 147472

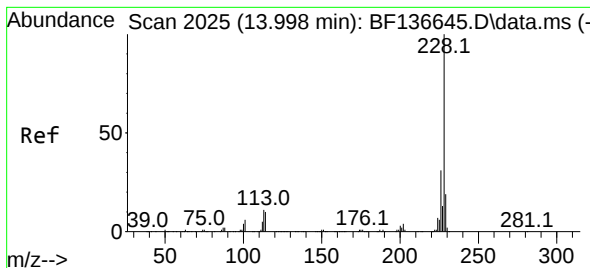
Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.0

229 20.0 14.9 22.3





#83

Chrysene

Concen: 13.472 ng

RT: 13.992 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

Instrument :

BNA_F

ClientSampleId :

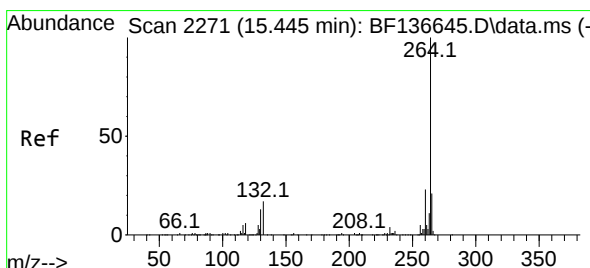
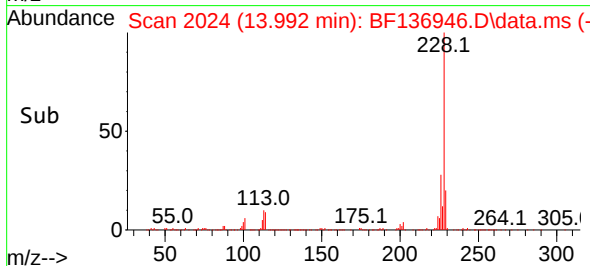
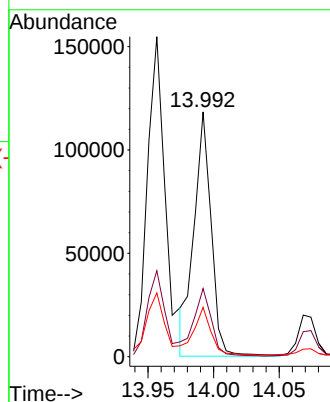
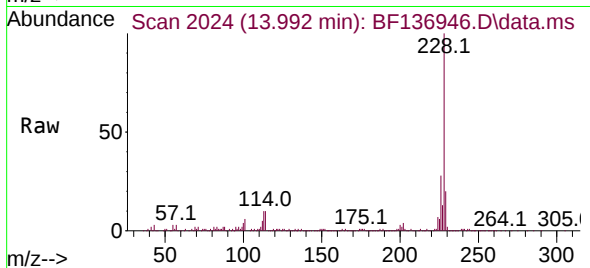
SB32-2-20231222-7.5-8.5

Tgt Ion:228 Resp: 10806
 Ion Ratio Lower Upper
 228 100
 226 27.8 24.7 37.1
 229 20.1 15.4 23.0

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Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
 ahmed
 01/05/2024



#86

Perylene-d12

Concen: 20.000 ng

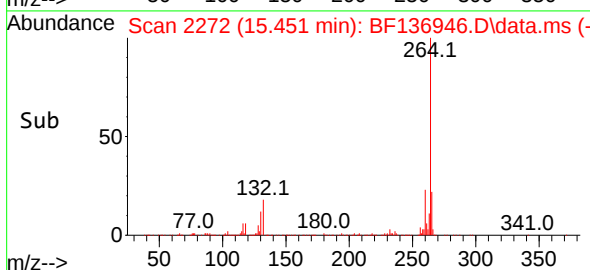
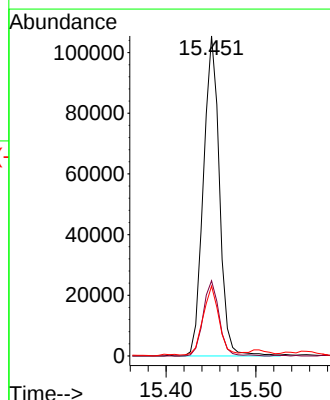
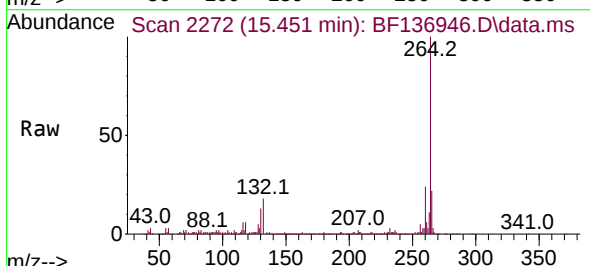
RT: 15.451 min Scan# 2272

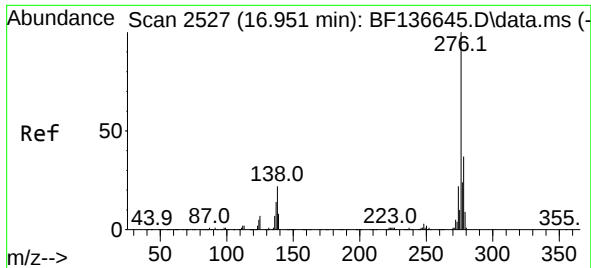
Delta R.T. 0.006 min

Lab File: BF136946.D

Acq: 04 Jan 2024 18:09

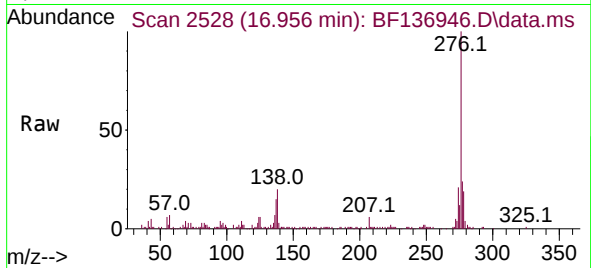
Tgt Ion:264 Resp: 130901
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.3 27.5
 265 21.9 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.061 ng
RT: 16.956 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

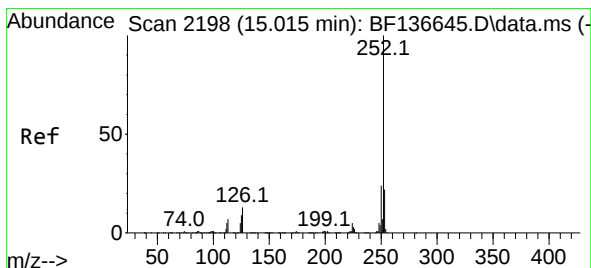
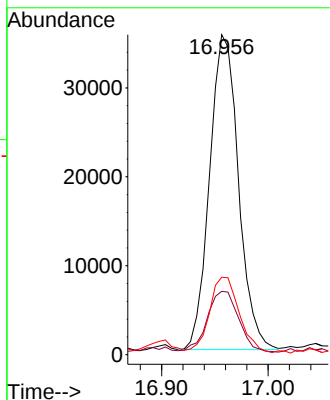
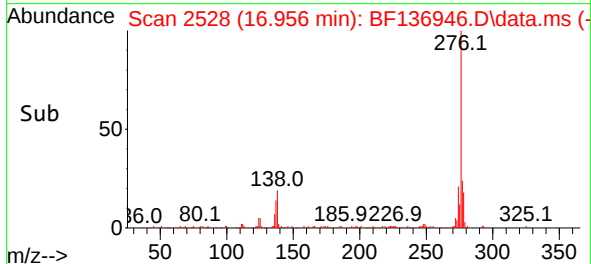


Tgt Ion:276 Resp: 66730
Ion Ratio Lower Upper
276 100
138 21.4 18.7 28.1
277 25.2 20.2 30.2

Manual Integrations
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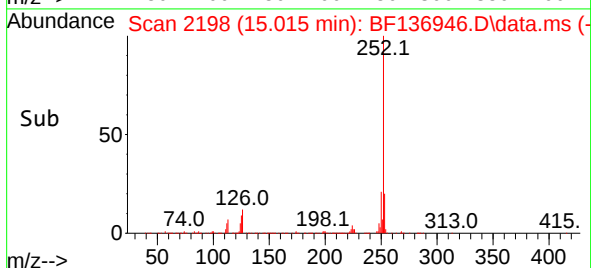
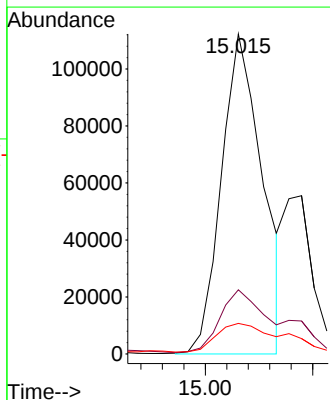
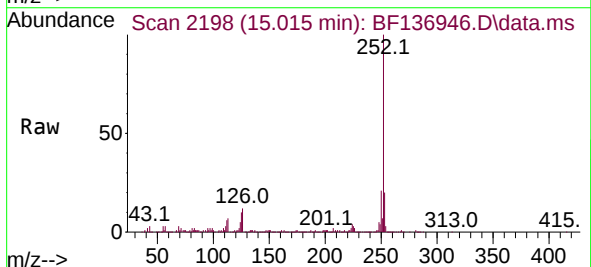
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

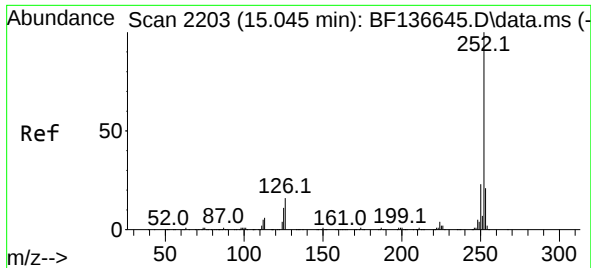
Supervised By :mohammad
ahmed
01/05/2024



#88
Benzo(b)fluoranthene
Concen: 17.030 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

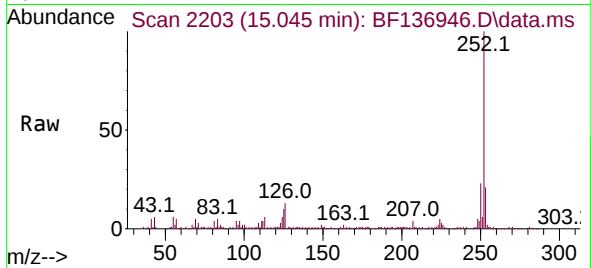
Tgt Ion:252 Resp: 148895
Ion Ratio Lower Upper
252 100
253 20.1 17.4 26.0
125 9.5 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 6.368 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

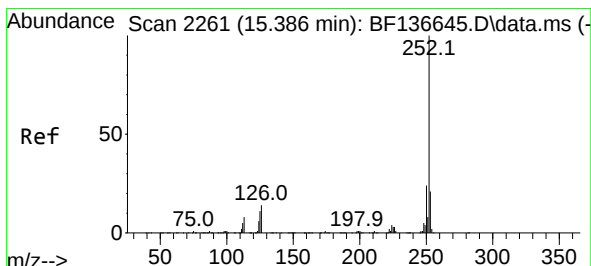
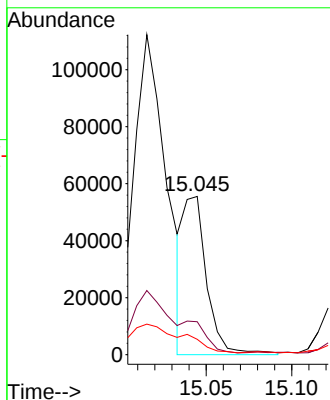
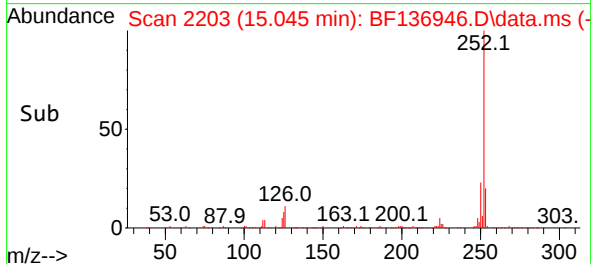


Tgt Ion:252 Resp: 5261
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.6
125 9.7 8.2 12.4

Manual Integrations
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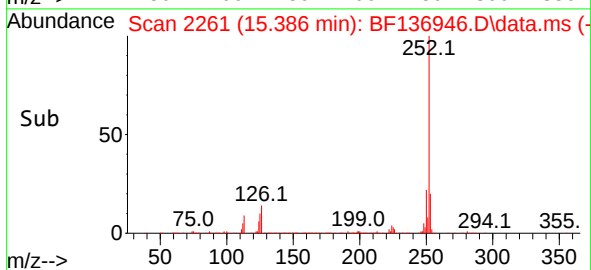
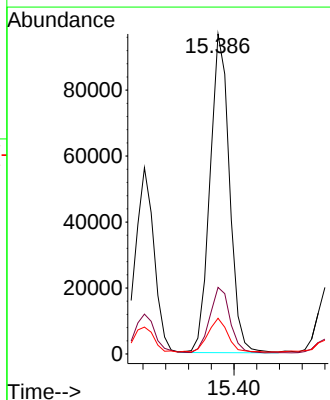
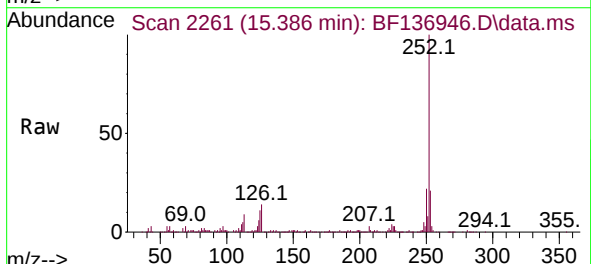
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

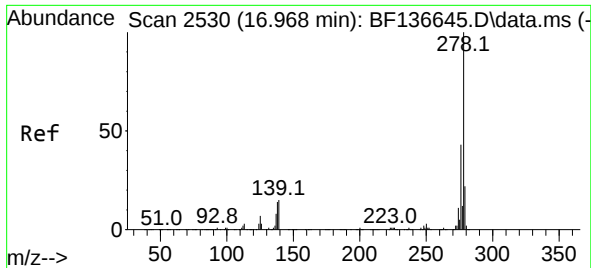
Supervised By :mohammad
ahmed
01/05/2024



#90
Benzo(a)pyrene
Concen: 15.612 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

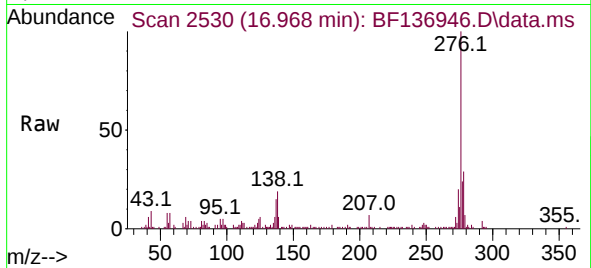
Tgt Ion:252 Resp: 115214
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 11.1 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.249 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5

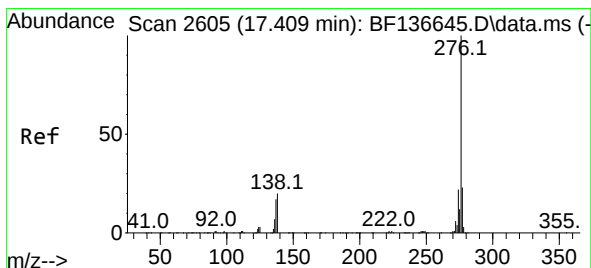
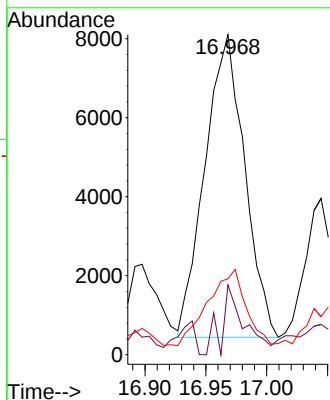
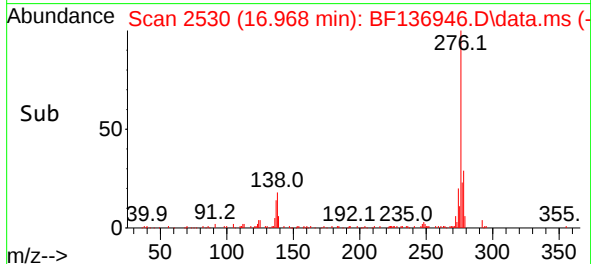


Tgt Ion: 278 Resp: 17430
Ion Ratio Lower Upper
278 100
139 21.8 12.2 18.4
279 23.7 17.8 26.6

Manual Integrations
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Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024

Supervised By : mohammad
ahmed
01/05/2024



#92
Benzo(g,h,i)perylene
Concen: 7.780 ng
RT: 17.415 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF136946.D
Acq: 04 Jan 2024 18:09

Tgt Ion: 276 Resp: 61788
Ion Ratio Lower Upper
276 100
277 23.2 18.3 27.5
138 19.9 15.6 23.4

