

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136871.D
 Acq On : 02 Jan 2024 15:04
 Operator : CG\JU
 Sample : 06033-01DL 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-05-122723DL

Quant Time: Jan 02 15:30:20 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/03/2024
 Supervised By :mohammad ahmed 01/03/2024

01/03/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53522	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	192824	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	93636	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	156861	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	117963	20.000	ng	-0.01
86) Perylene-d12	15.439	264	140037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	15459	4.507	ng	0.00
7) Phenol-d6	6.428	99	18050	4.061	ng	-0.01
23) Nitrobenzene-d5	7.339	82	11696	3.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	4067	3.688	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	23870	3.429	ng	-0.02
79) Terphenyl-d14	12.898	244	19702	2.334	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.075	128	37348	3.526	ng	99
37) 2-Methylnaphthalene	8.769	142	15433	2.264	ng	92
52) Acenaphthene	9.845	154	23124	4.086	ng	96
55) Dibenzofuran	10.016	168	24820	2.893	ng	98
58) Fluorene	10.363	166	34650	5.090	ng	96
71) Phenanthrene	11.327	178	193124	23.995	ng	99
72) Anthracene	11.380	178	66881	8.205	ng	100
75) Fluoranthene	12.521	202	224772	26.108	ng	97
78) Pyrene	12.751	202	185692	16.036	ng	99
81) Benzo(a)anthracene	13.951	228	99232	12.114	ng	97
83) Chrysene	13.986	228	80240	10.017	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	42004	4.154	ng	97
88) Benzo(b)fluoranthene	15.004	252	101666m	10.870	ng	
89) Benzo(k)fluoranthene	15.027	252	41759m	4.725	ng	
90) Benzo(a)pyrene	15.374	252	80640	10.214	ng	96
92) Benzo(g,h,i)perylene	17.392	276	37633	4.430	ng	97

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

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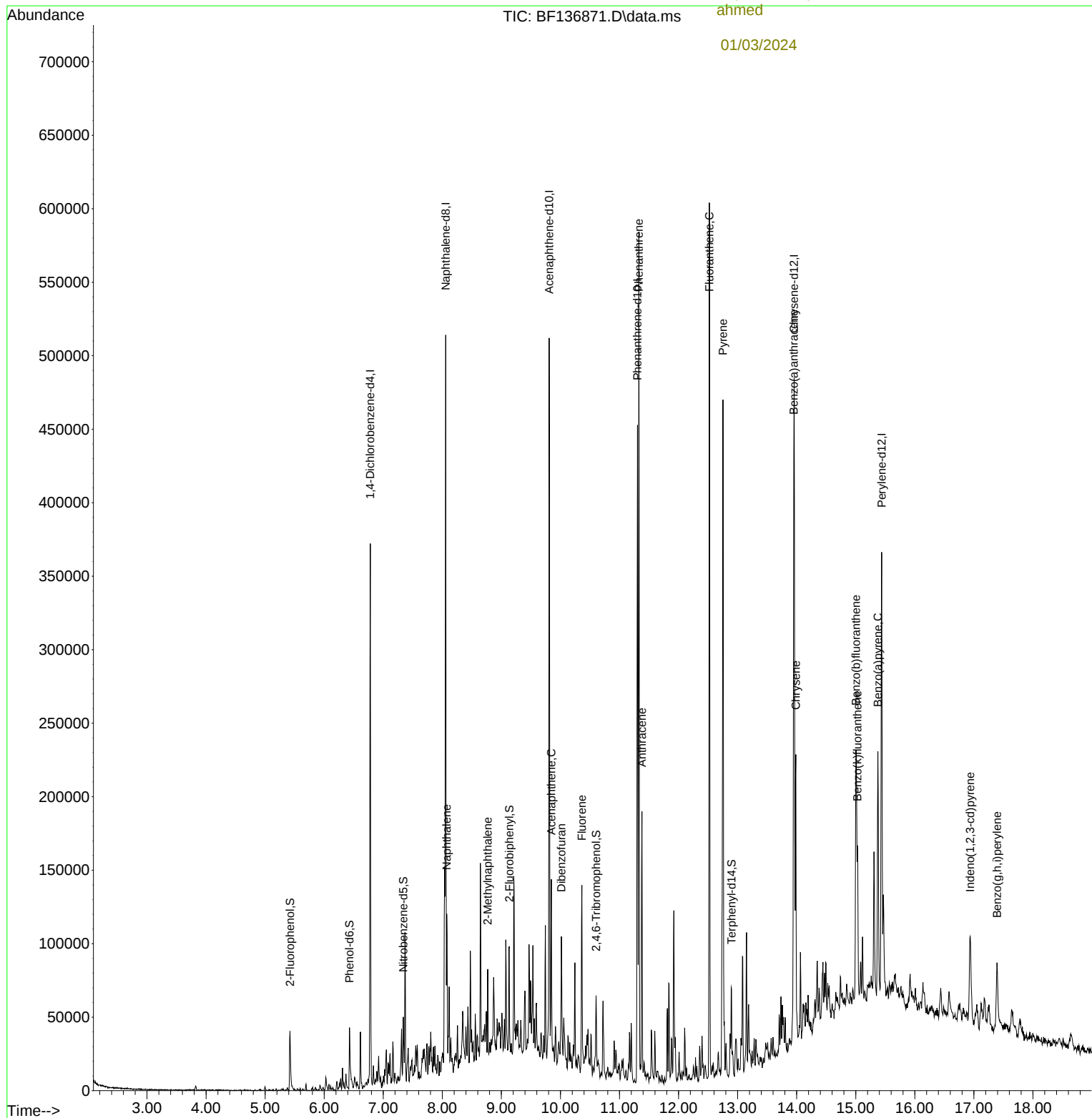
Quant Time: Jan 02 15:30:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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ahmed

01/03/2024





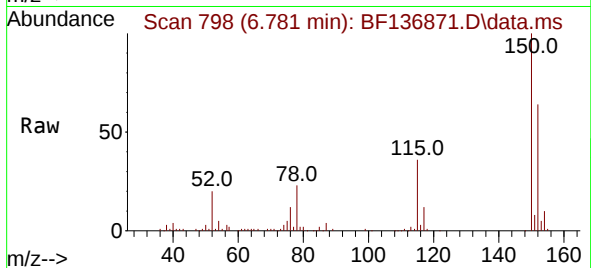
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL



Tgt Ion:152 Resp: 5352
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.6
115 55.3 49.0 73.4

Manual Integrations

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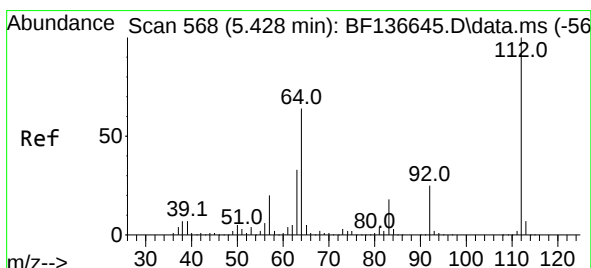
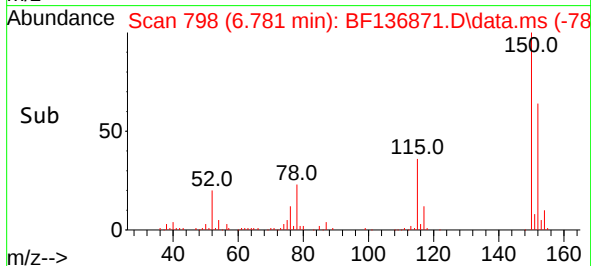
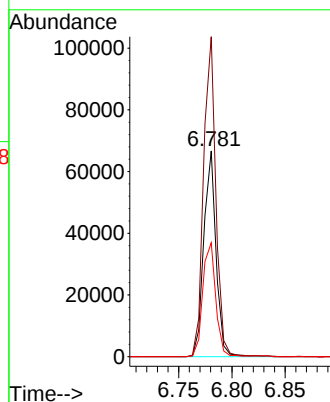
Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024

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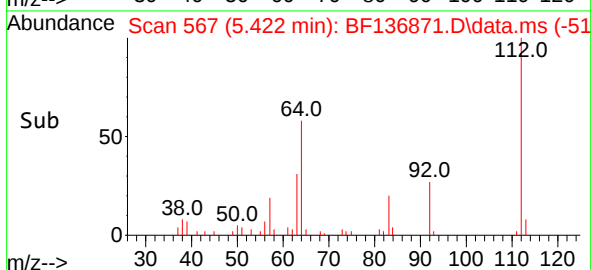
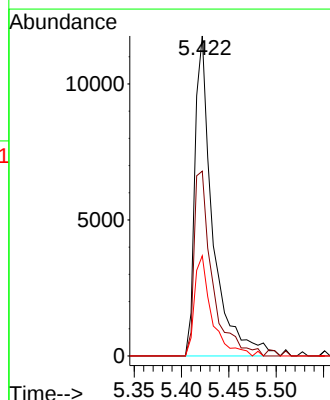
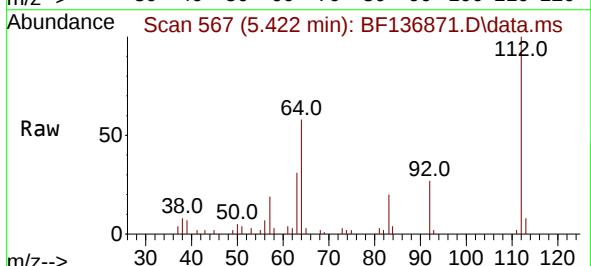
Supervised By :mohammad
ahmed

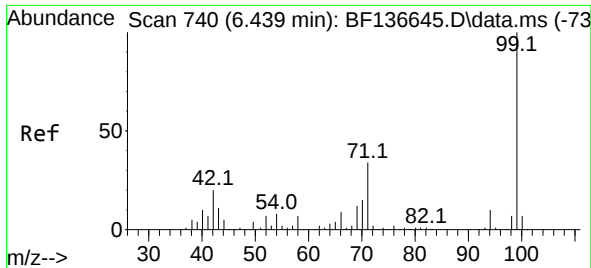
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#5
2-Fluorophenol
Concen: 4.507 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

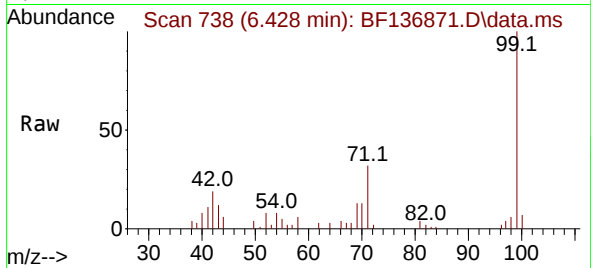
Tgt Ion:112 Resp: 15459
Ion Ratio Lower Upper
112 100
64 57.7 51.1 76.7
63 31.3 26.1 39.1





#7
Phenol-d6
Concen: 4.061 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :
BNA_F
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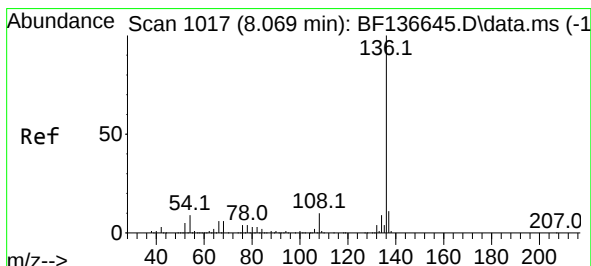
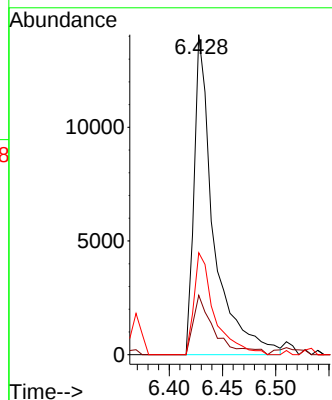
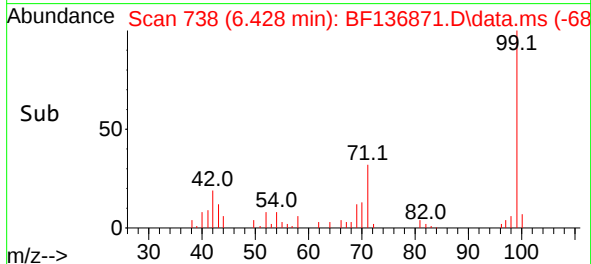
Tgt Ion: 99 Resp: 18050
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 31.9 27.4 41.2

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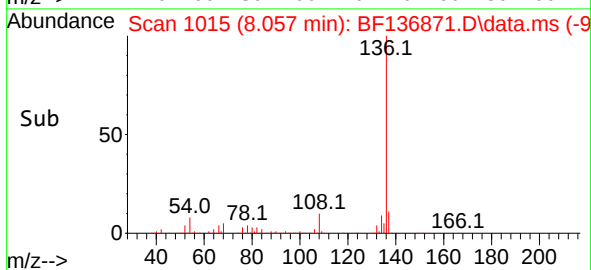
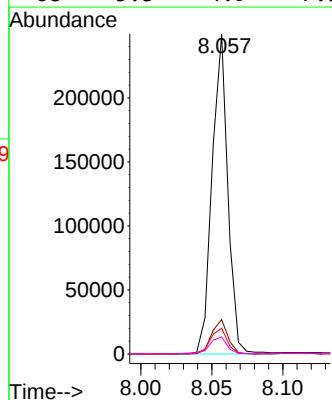
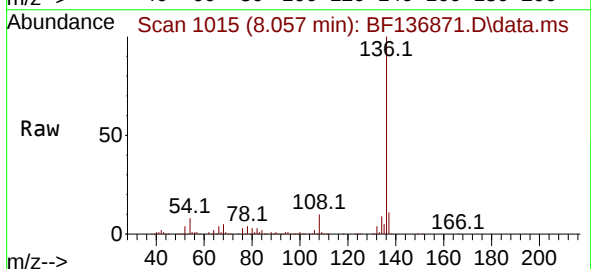
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Supervised By :mohammad
ahmed

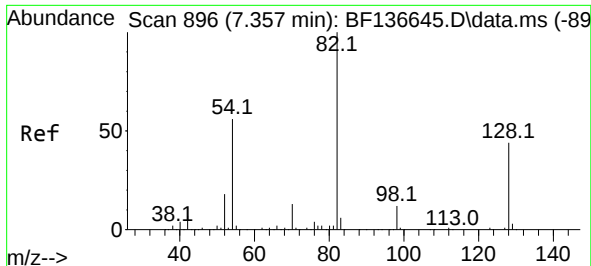
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:136 Resp: 192824
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.1 7.2 10.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 3.104 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL

Tgt Ion: 82	Resp: 11690
Ion Ratio	Lower Upper
82	100
128	44.3 35.3 52.9
54	49.8 44.5 66.7

Manual Integrations

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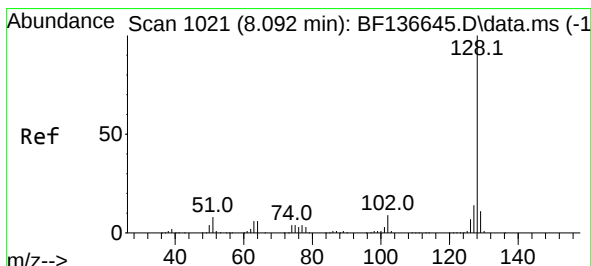
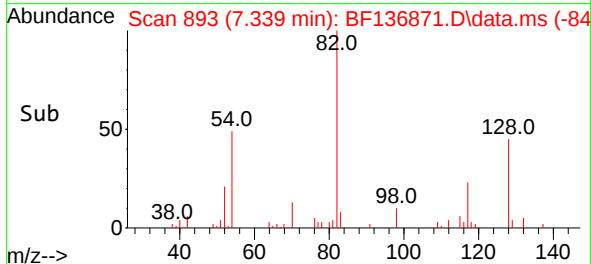
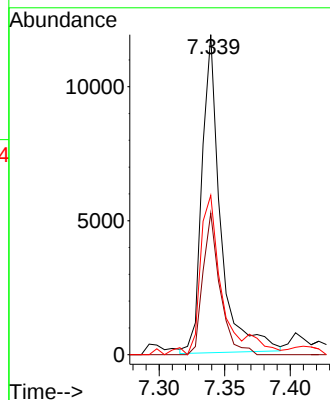
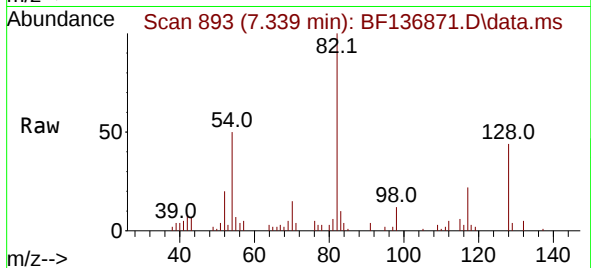
Reviewed By :Yogesh Patel 01/03/2024

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#31

Naphthalene

Concen: 3.526 ng

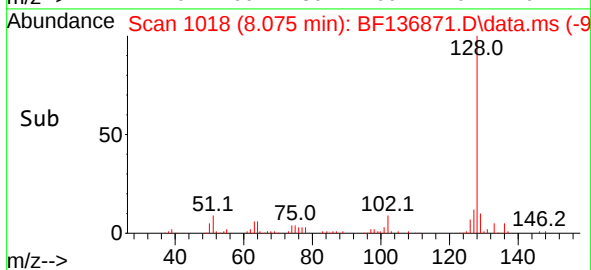
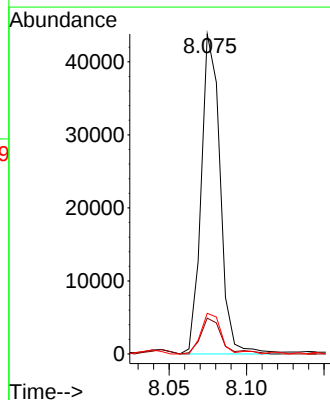
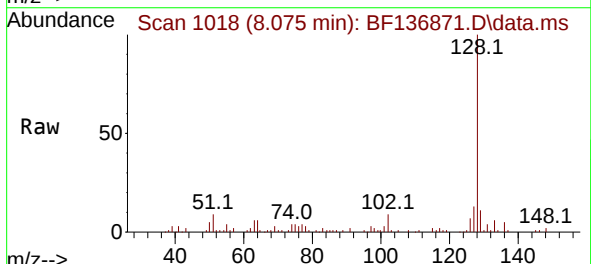
RT: 8.075 min Scan# 1018

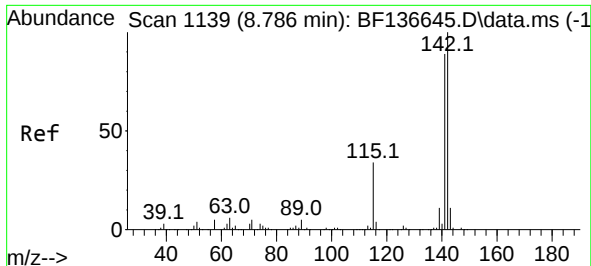
Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Tgt Ion:128	Resp: 37348
Ion Ratio	Lower Upper
128	100
129	11.2 8.7 13.1
127	12.7 10.8 16.2





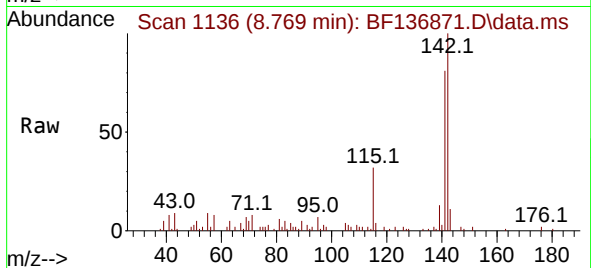
#37
2-Methylnaphthalene
Concen: 2.264 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

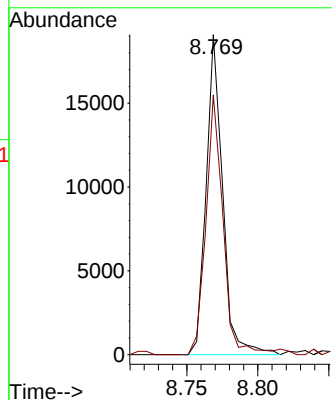
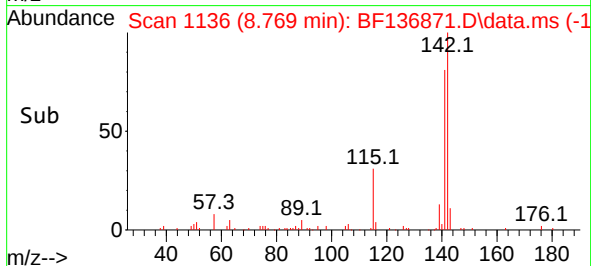
OR-05-122723DL



Tgt Ion:142 Resp: 1543
Ion Ratio Lower Upper
142 100
141 81.2 71.1 106.7

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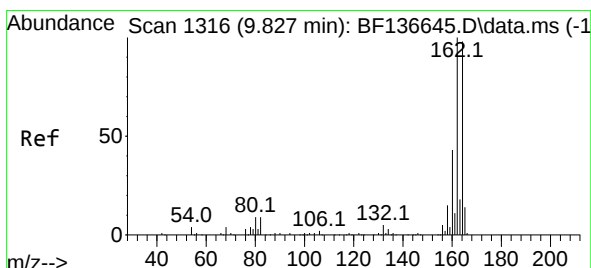
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



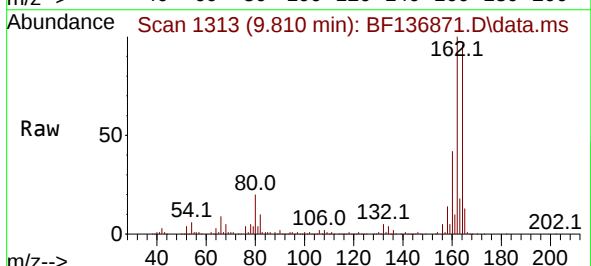
01/03/2024

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ahmed

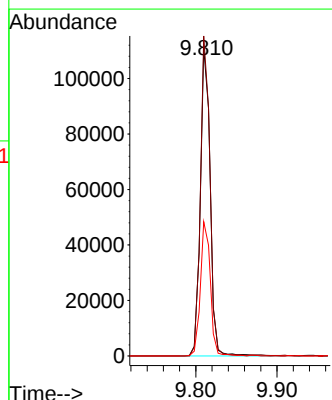
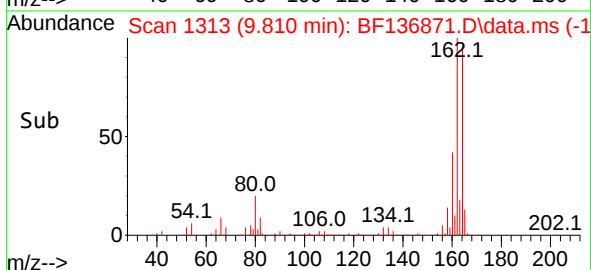
01/03/2024

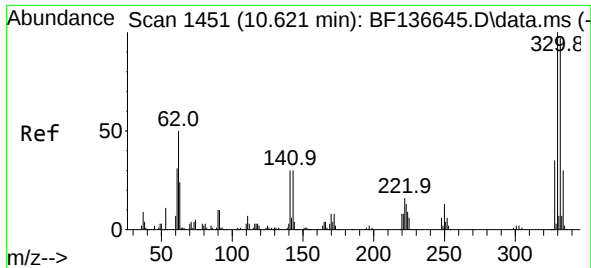


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04



Tgt Ion:164 Resp: 93636
Ion Ratio Lower Upper
164 100
162 103.9 81.6 122.4
160 43.6 34.9 52.3





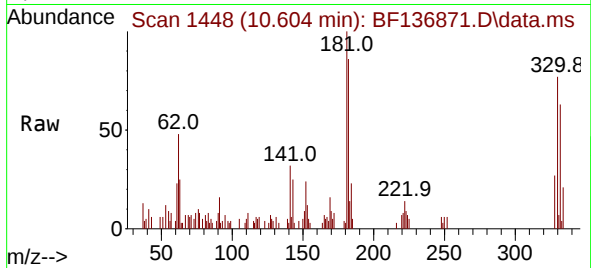
#42
2,4,6-Tribromophenol
Concen: 3.688 ng
RT: 10.604 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL



Tgt Ion: 330 Resp: 406
Ion Ratio Lower Upper
330 100
332 94.3 77.4 116.0
141 38.2 23.4 35.2

Manual Integrations

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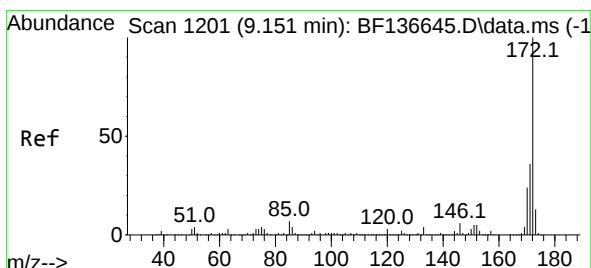
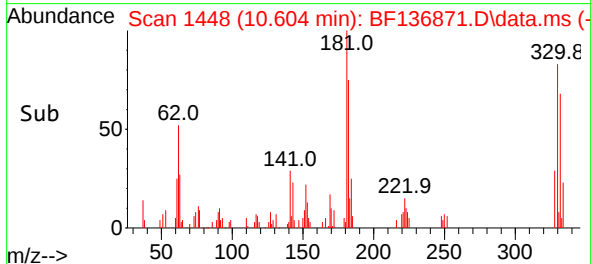
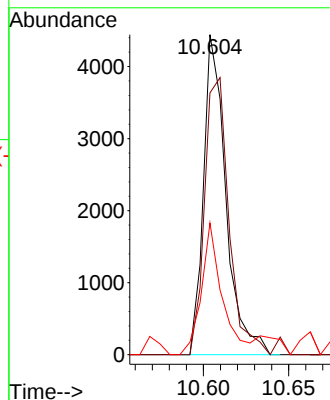
Reviewed By : Yogesh Patel 01/03/2024

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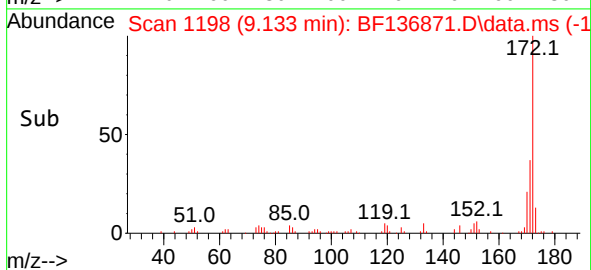
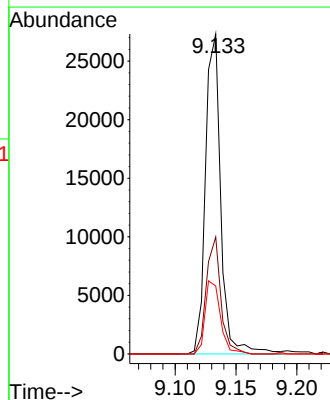
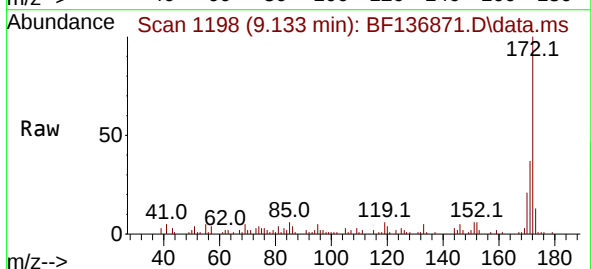
Supervised By : mohammad
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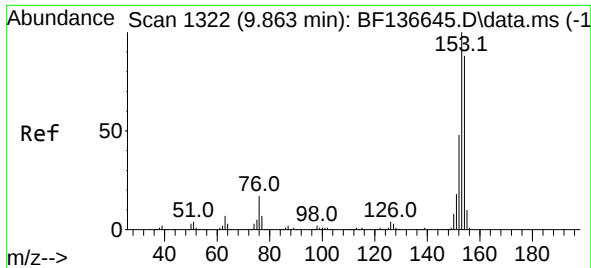
01/03/2024



#45
2-Fluorobiphenyl
Concen: 3.429 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

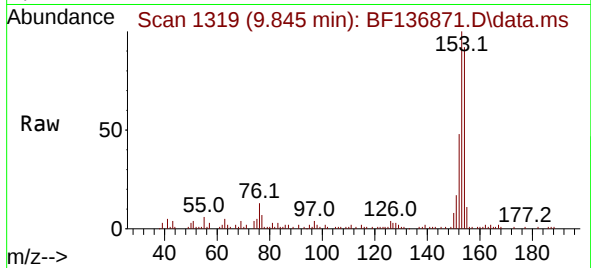
Tgt Ion: 172 Resp: 23870
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 21.2 19.0 28.4





#52
Acenaphthene
Concen: 4.086 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :
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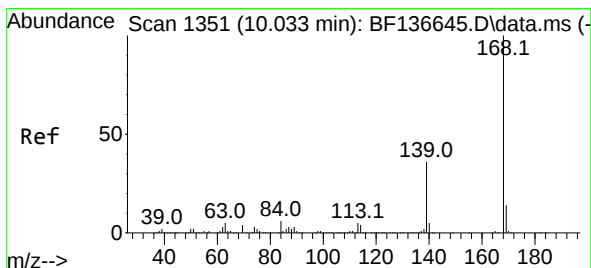
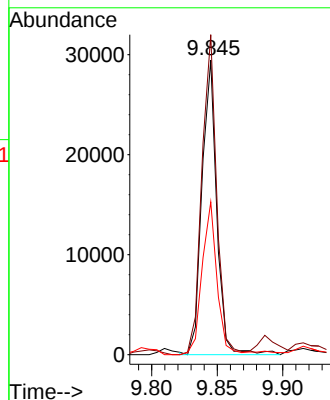
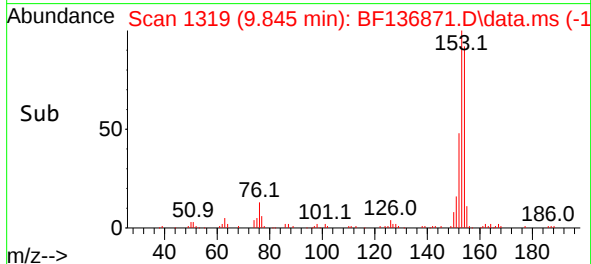
Tgt Ion:154 Resp: 23124
Ion Ratio Lower Upper
154 100
153 108.6 90.7 136.1
152 51.9 43.7 65.5

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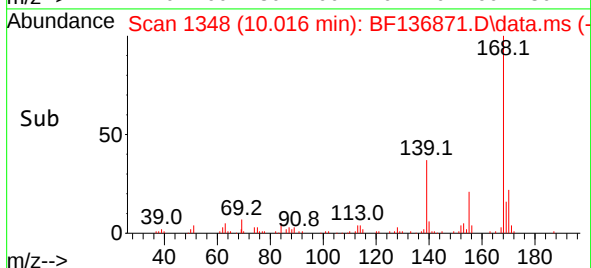
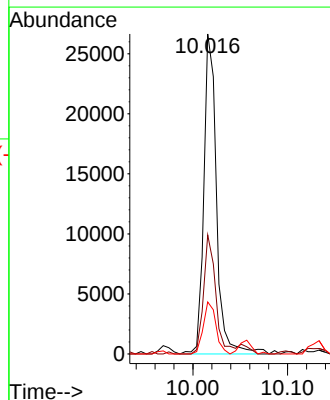
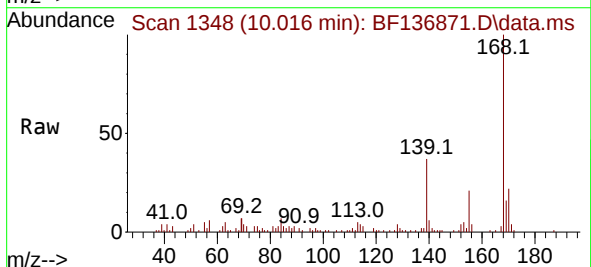
01/03/2024
Supervised By :mohammad
ahmed

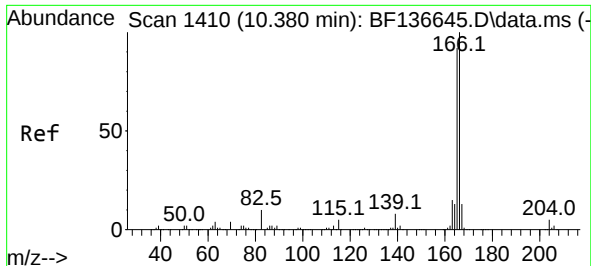
01/03/2024



#55
Dibenzofuran
Concen: 2.893 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

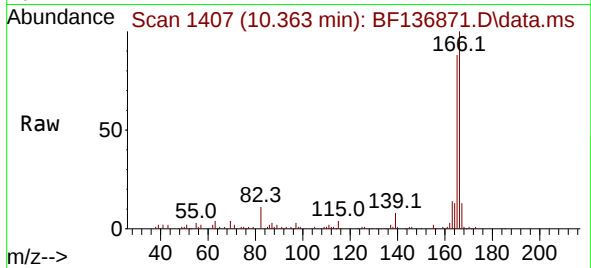
Tgt Ion:168 Resp: 24820
Ion Ratio Lower Upper
168 100
139 37.2 29.3 43.9
169 16.3 11.0 16.4





#58
Fluorene
Concen: 5.090 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

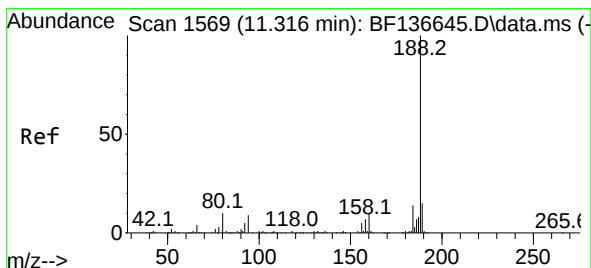
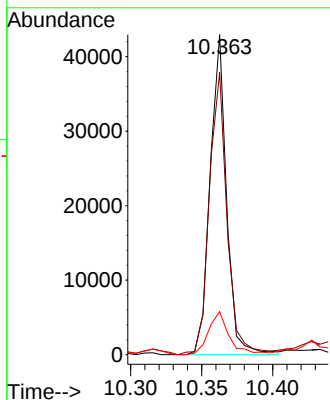
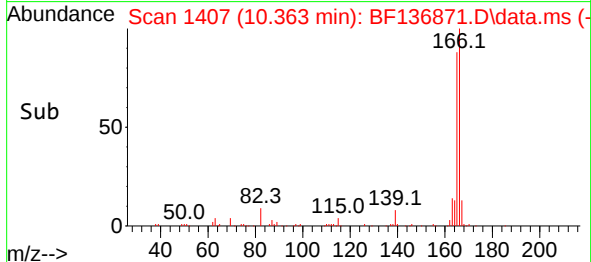
Instrument :
BNA_F
ClientSampleId :
OR-05-122723DL



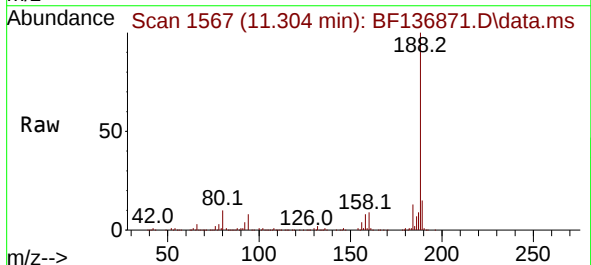
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Ion Ratio Lower Upper
166 100
165 88.3 73.7 110.5
167 13.4 10.4 15.6

Manual Integrations
APPROVED

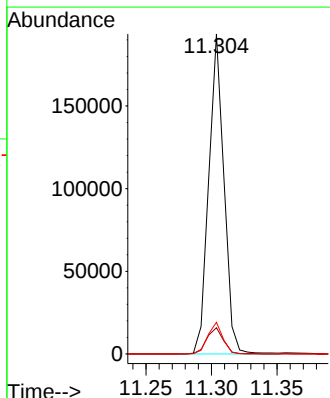
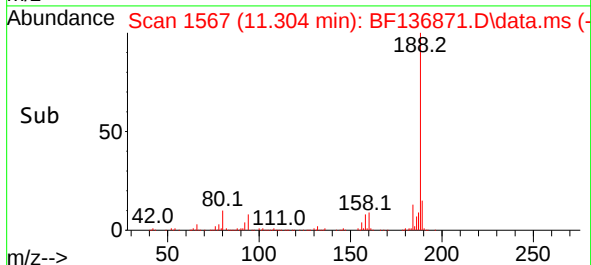
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

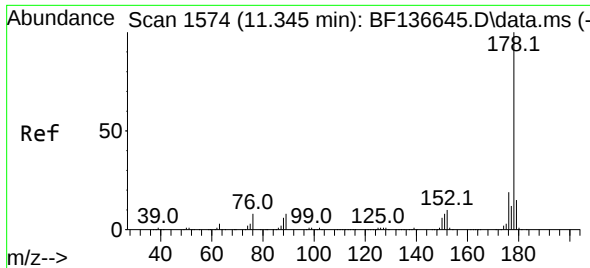


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04



Tgt Ion:188 Resp: 156861
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 9.9 8.1 12.1





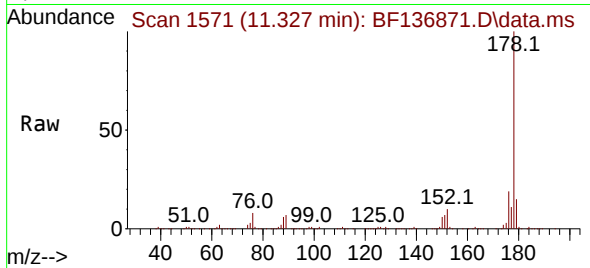
#71
Phenanthrene
Concen: 23.995 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL



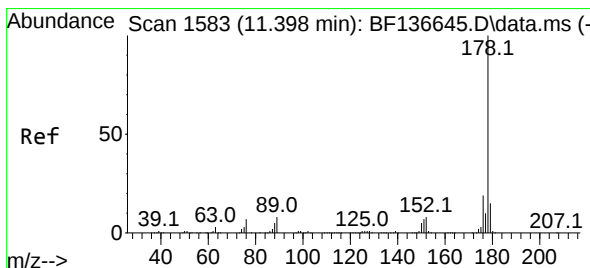
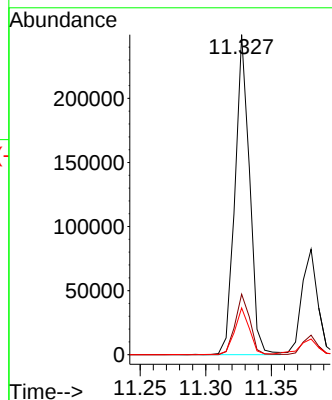
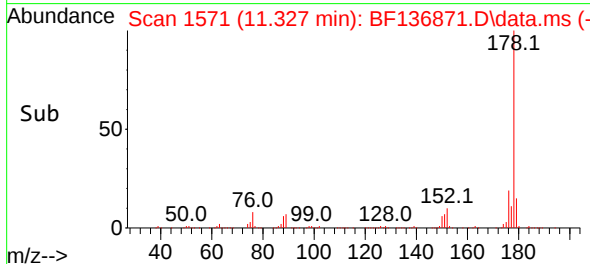
Tgt Ion:178 Resp: 193124
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.6 11.9 17.9

Manual Integrations

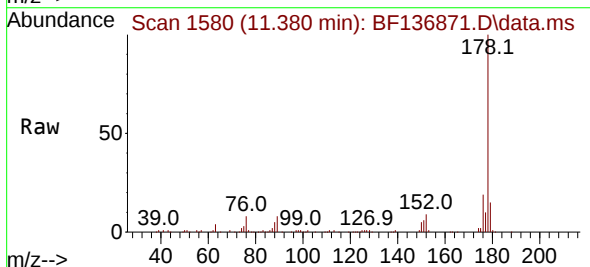
APPROVED

Reviewed By :Yogesh Patel 01/03/2024

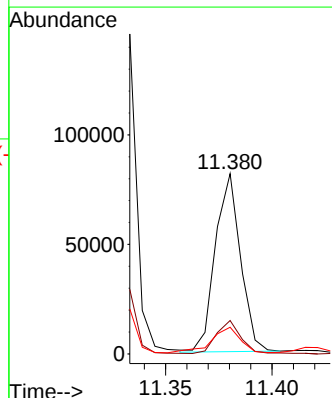
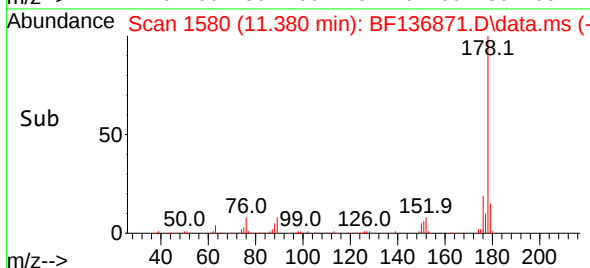
Supervised By :mohammad ahmed 01/03/2024

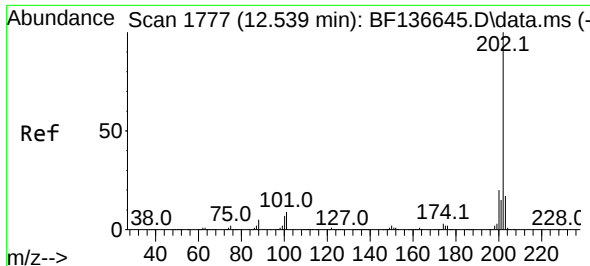


#72
Anthracene
Concen: 8.205 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04



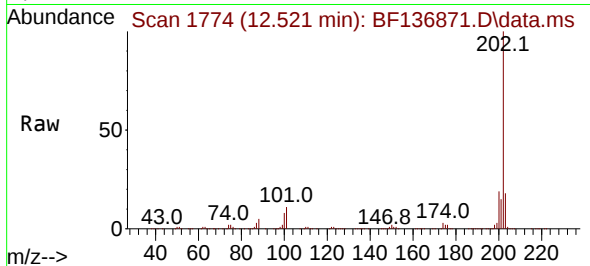
Tgt Ion:178 Resp: 66881
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 14.8 11.8 17.6





#75
Fluoranthene
Concen: 26.108 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

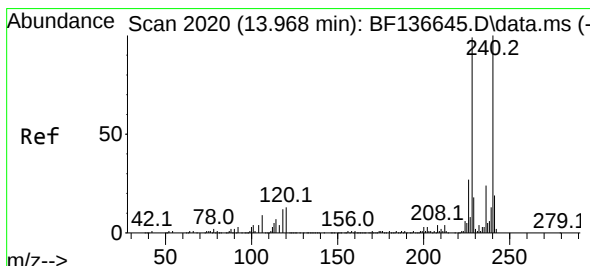
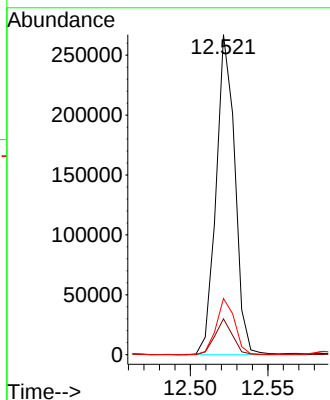
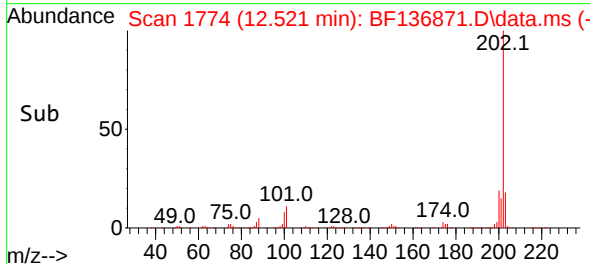
Instrument :
BNA_F
ClientSampleId :
OR-05-122723DL



Tgt Ion:202 Resp: 224772
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.3
203 17.6 0.0 37.1

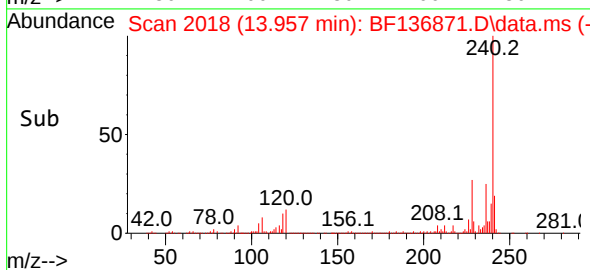
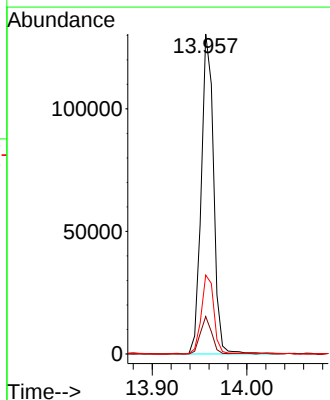
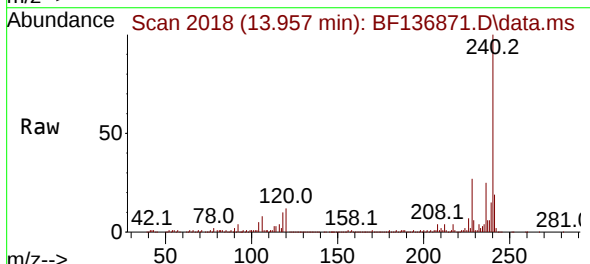
Manual Integrations
APPROVED

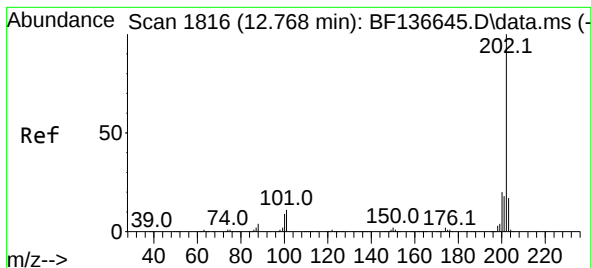
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:240 Resp: 117963
Ion Ratio Lower Upper
240 100
120 11.7 10.3 15.5
236 24.7 19.4 29.2





#78

Pyrene

Concen: 16.036 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL

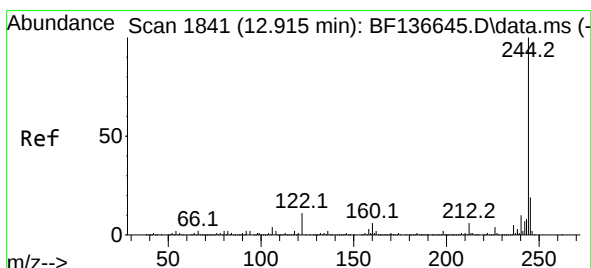
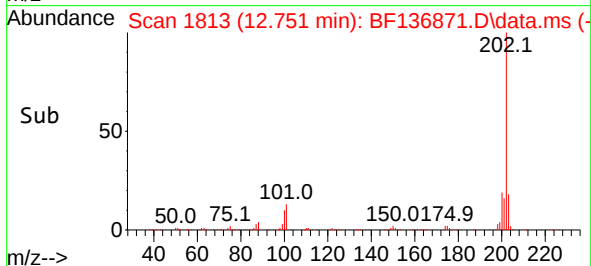
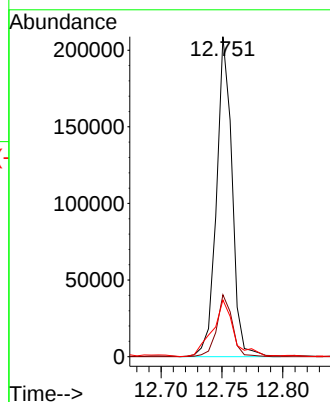
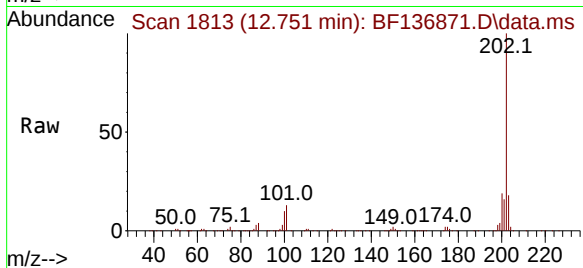
Tgt Ion:	202	Resp:	18569
Ion Ratio	Lower	Upper	
202	100		
200	19.4	15.9	23.9
203	17.7	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#79

Terphenyl-d14

Concen: 2.334 ng

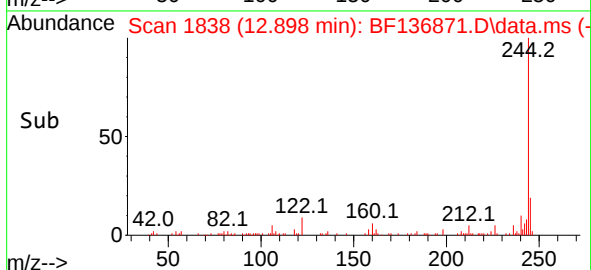
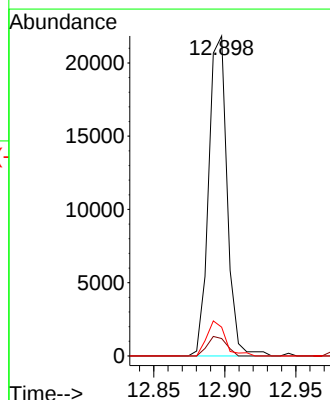
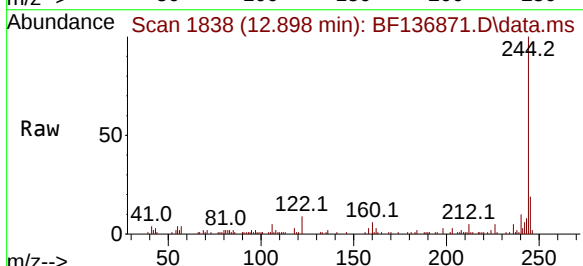
RT: 12.898 min Scan# 1838

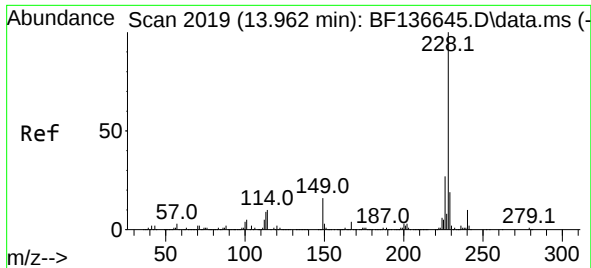
Delta R.T. -0.018 min

Lab File: BF136871.D

Acq: 02 Jan 2024 15:04

Tgt Ion:	244	Resp:	19702
Ion Ratio	Lower	Upper	
244	100		
212	5.5	5.0	7.4
122	9.0	9.0	13.4





#81
Benzo(a)anthracene
Concen: 12.114 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

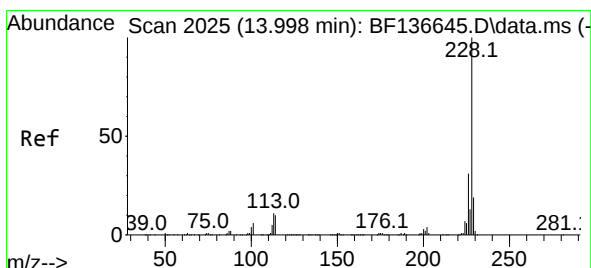
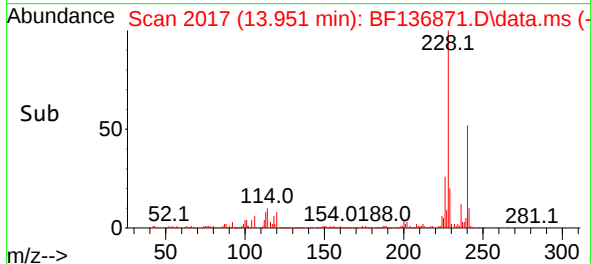
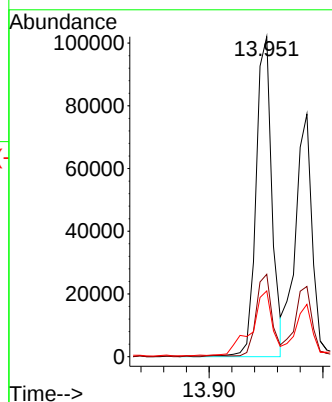
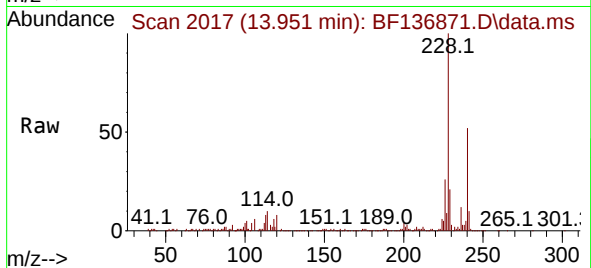
OR-05-122723DL

Tgt Ion:228 Resp: 9923
Ion Ratio Lower Upper
228 100
226 25.8 21.4 32.0
229 20.6 14.9 22.3

Manual Integrations

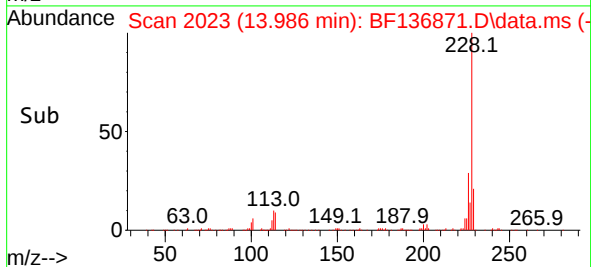
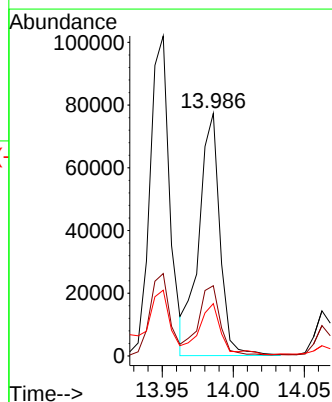
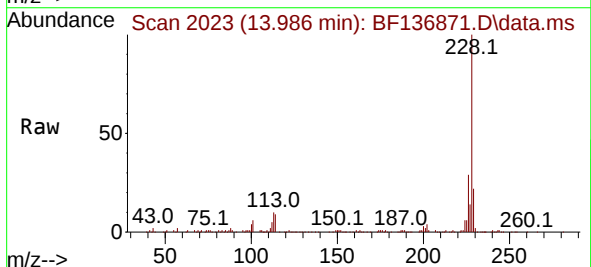
APPROVED

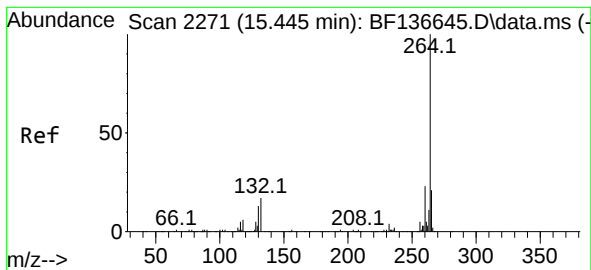
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#83
Chrysene
Concen: 10.017 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:228 Resp: 80240
Ion Ratio Lower Upper
228 100
226 28.9 24.7 37.1
229 21.5 15.4 23.0





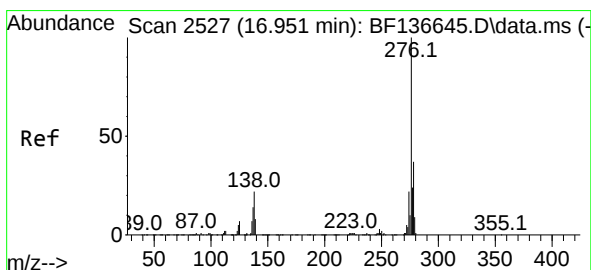
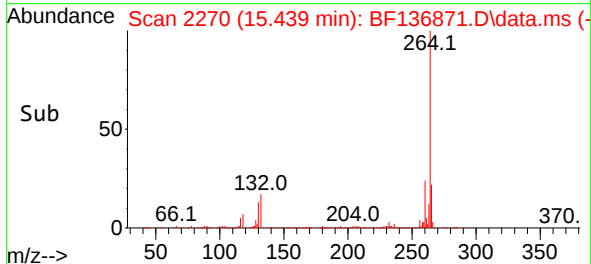
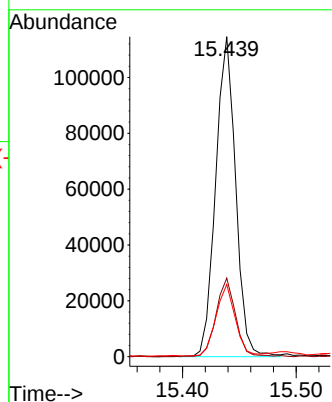
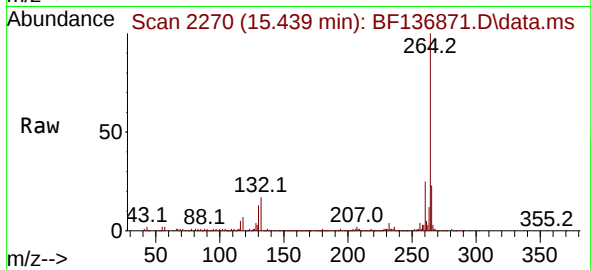
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :
BNA_F
ClientSampleId :
OR-05-122723DL

Tgt Ion:264 Resp: 14003
Ion Ratio Lower Upper
264 100
260 24.6 18.3 27.5
265 22.6 17.0 25.6

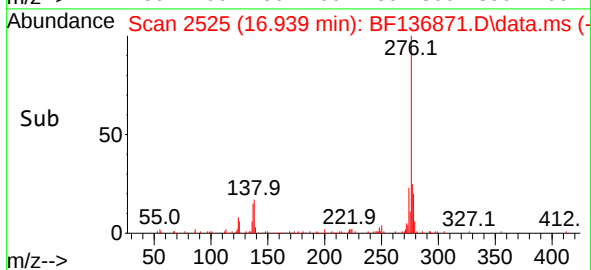
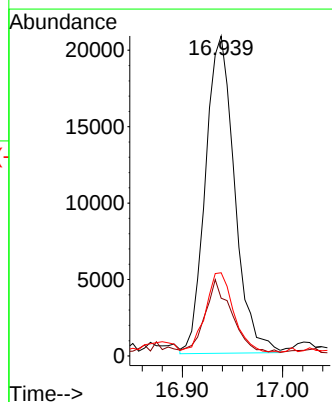
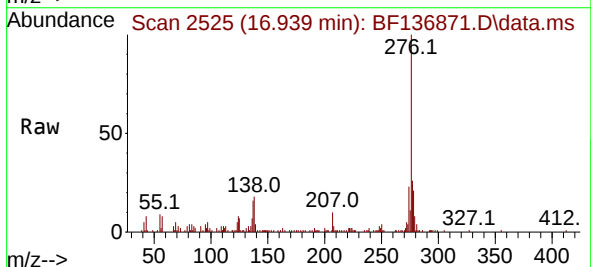
Manual Integrations
APPROVED

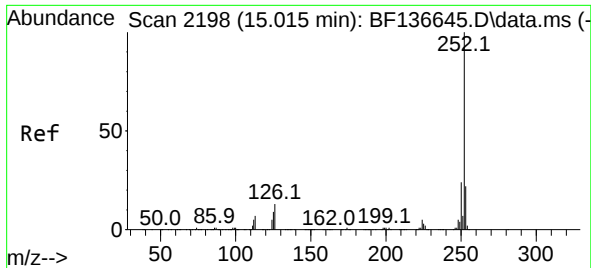
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.154 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

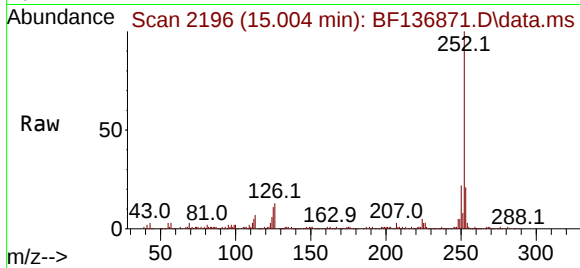
Tgt Ion:276 Resp: 42004
Ion Ratio Lower Upper
276 100
138 22.3 18.7 28.1
277 23.8 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 10.870 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

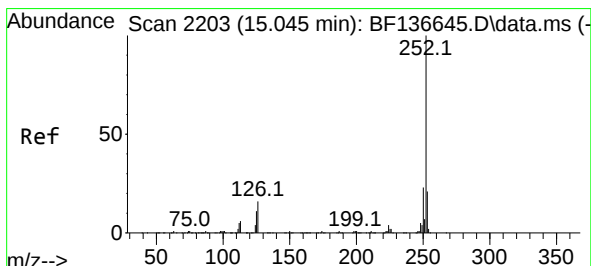
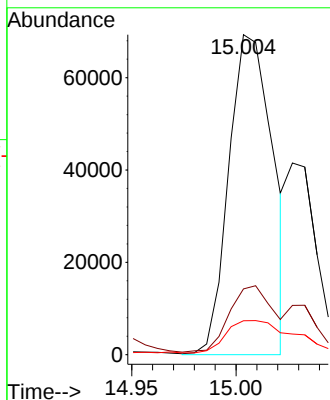
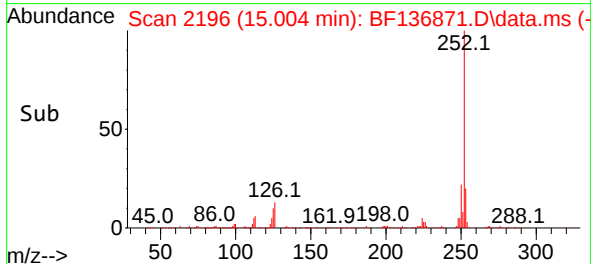
Instrument :
BNA_F
ClientSampleId :
OR-05-122723DL



Tgt Ion:252 Resp: 101660
Ion Ratio Lower Upper
252 100
253 20.5 17.4 26.0
125 10.6 7.4 11.2

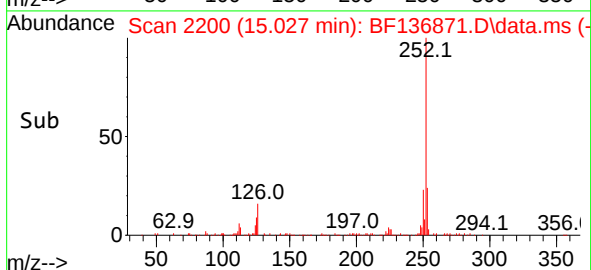
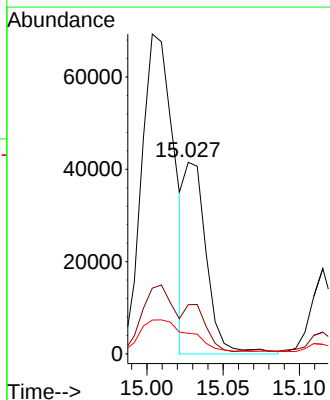
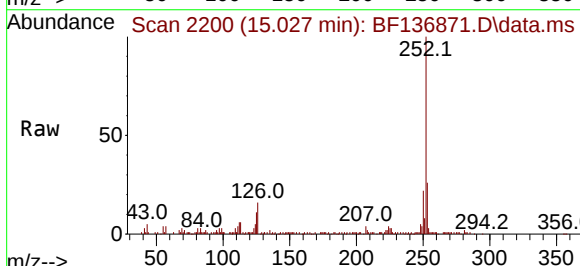
Manual Integrations
APPROVED

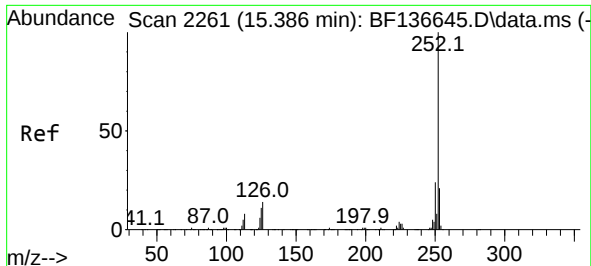
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#89
Benzo(k)fluoranthene
Concen: 4.725 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:252 Resp: 41759
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 10.8 8.2 12.4





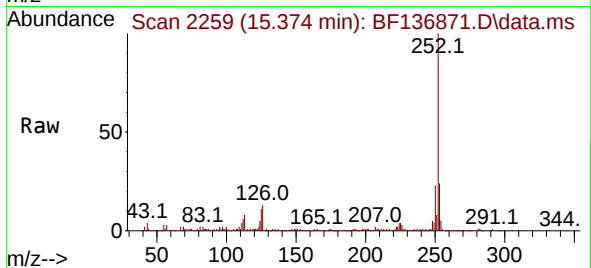
#90
Benzo(a)pyrene
Concen: 10.214 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Instrument :

BNA_F

ClientSampleId :

OR-05-122723DL

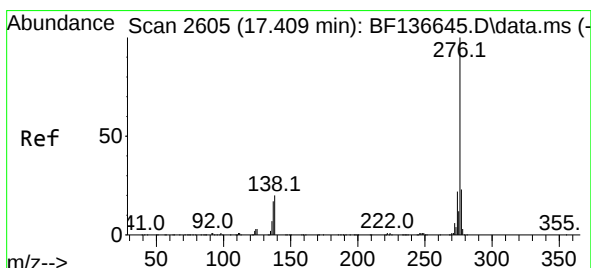
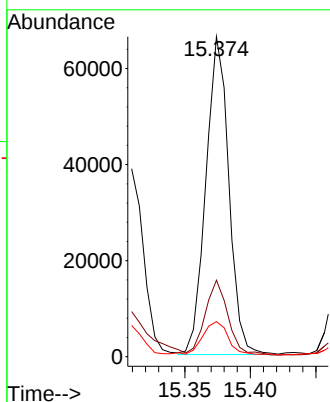
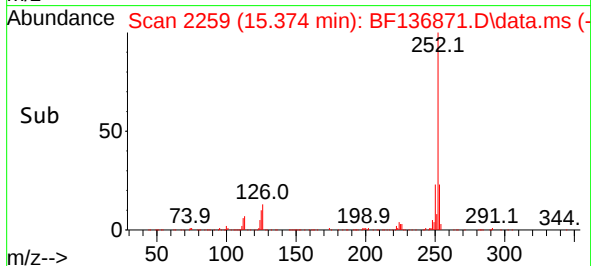


Tgt Ion:252 Resp: 80640
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#92
Benzo(g,h,i)perylene
Concen: 4.430 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF136871.D
Acq: 02 Jan 2024 15:04

Tgt Ion:276 Resp: 37633
Ion Ratio Lower Upper
276 100
277 23.2 18.3 27.5
138 21.7 15.6 23.4

