

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
 Data File : BF131938.D
 Acq On : 06 Jan 2023 13:15
 Operator : CG\JU
 Sample : N6243-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

Quant Time: Jan 07 00:20:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 23:58:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	57201	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	208296	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	119002	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	192235	20.000	ng	0.00
76) Chrysene-d12	13.998	240	126012	20.000	ng	0.00
86) Perylene-d12	15.474	264	128622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	338376	98.034	ng	0.01
7) Phenol-d6	6.434	99	446957	98.562	ng	0.00
23) Nitrobenzene-d5	7.369	82	330024	63.258	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	101313	78.357	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	553326	63.689	ng	0.00
79) Terphenyl-d14	12.939	244	440477	59.127	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.881	154	18315	2.704	ng	98
58) Fluorene	10.398	166	24216	2.842	ng	# 97
71) Phenanthrene	11.369	178	363576	34.393	ng	100
72) Anthracene	11.416	178	78359	7.577	ng	99
73) Carbazole	11.580	167	24832	2.720	ng	95
75) Fluoranthene	12.563	202	515322	41.851	ng	99
78) Pyrene	12.798	202	517789	49.024	ng	99
81) Benzo(a)anthracene	13.992	228	273395	29.966	ng	100
83) Chrysene	14.027	228	245997	28.693	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	95471	11.683	ng	97
88) Benzo(b)fluoranthene	15.045	252	288213m	30.560	ng	
89) Benzo(k)fluoranthene	15.068	252	87884m	9.644	ng	
90) Benzo(a)pyrene	15.416	252	215638	29.533	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	26668	3.984	ng	# 90
92) Benzo(g,h,i)perylene	17.392	276	89604	15.328	ng	97

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

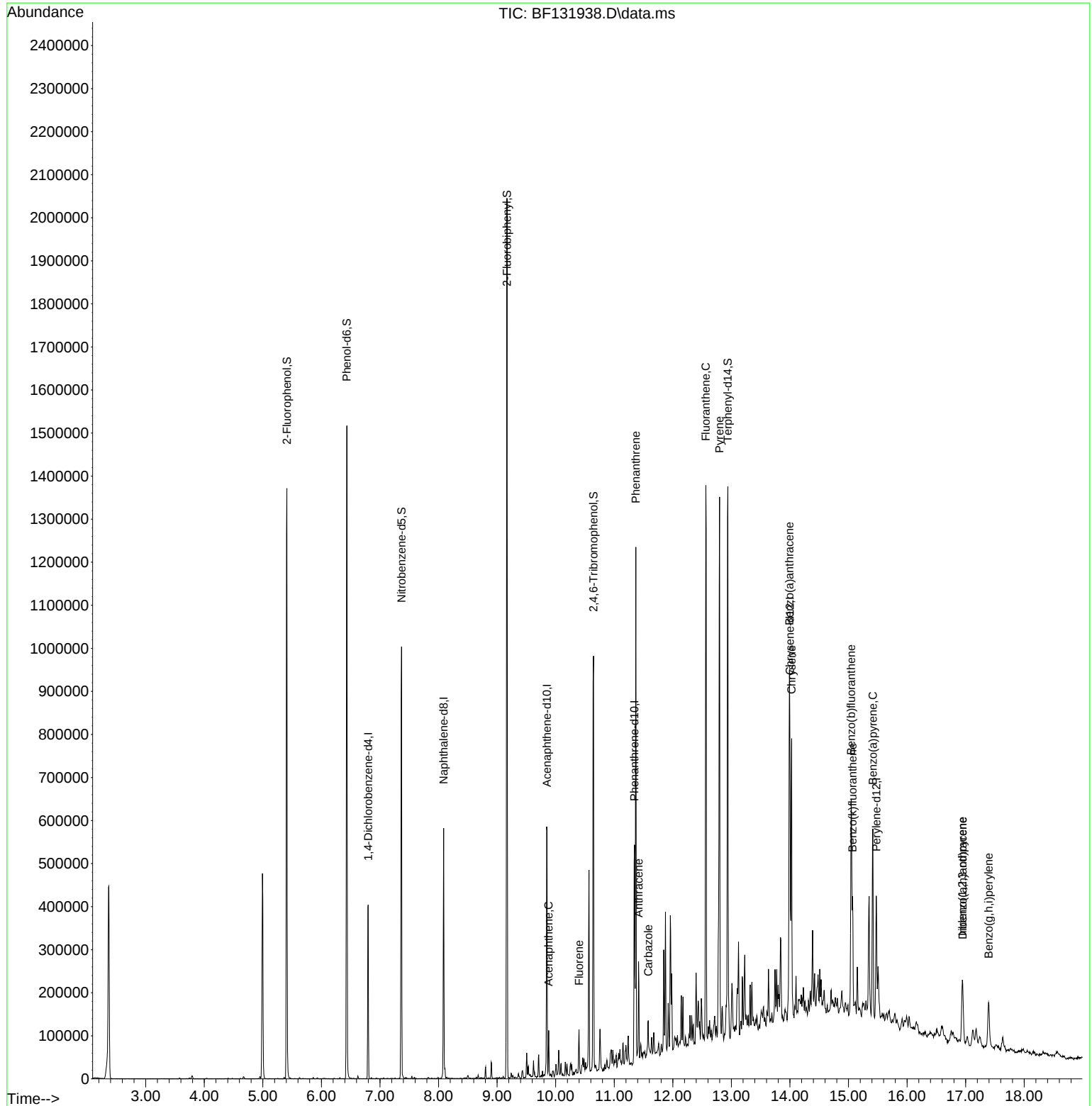
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
Data File : BF131938.D
Acq On : 06 Jan 2023 13:15
Operator : CG\JU
Sample : N6243-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

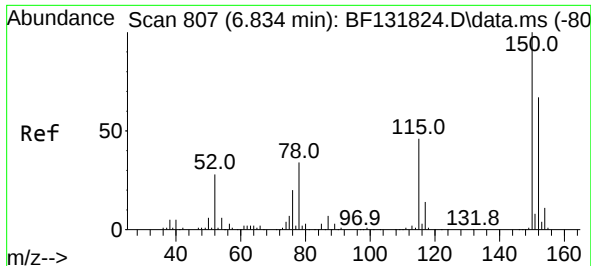
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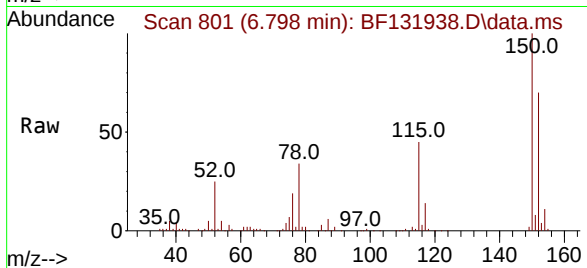
Quant Time: Jan 07 00:20:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 23:58:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

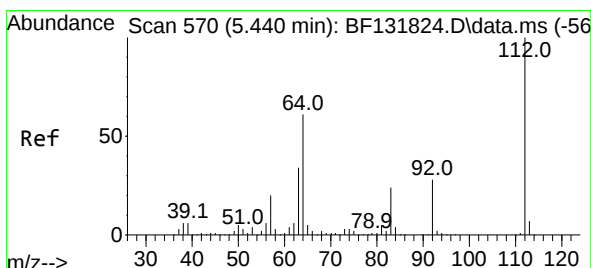
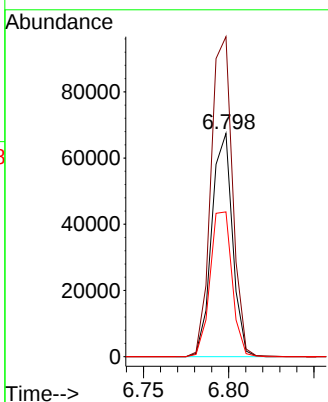
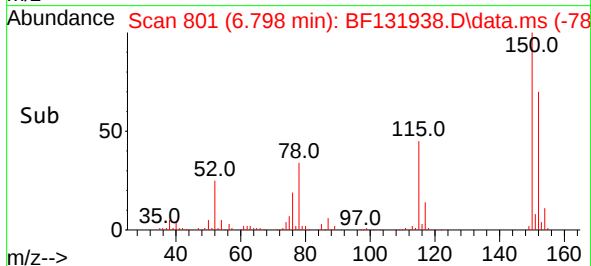
Instrument :
BNA_F
ClientSampleId :
PE-5



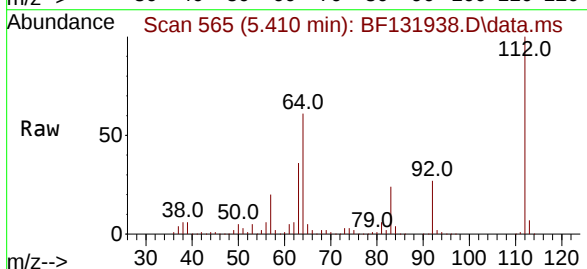
Tgt Ion:152 Resp: 5720
Ion Ratio Lower Upper
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150 143.3 120.0 180.0
115 64.8 55.1 82.7

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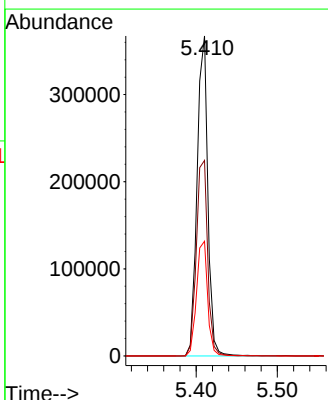
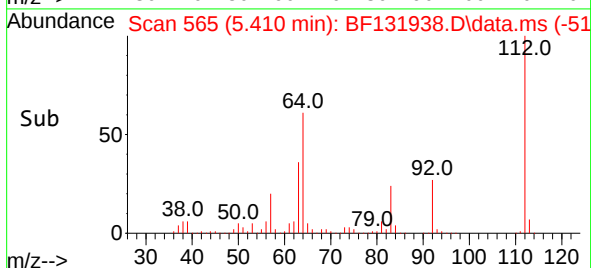
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

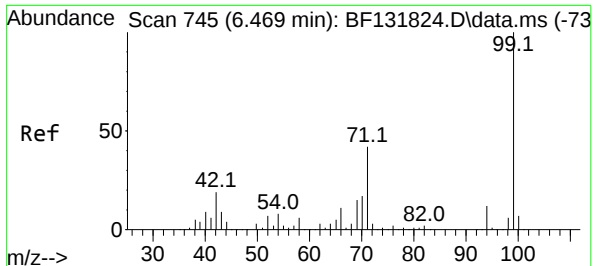


#5
2-Fluorophenol
Concen: 98.034 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15



Tgt Ion:112 Resp: 338376
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 35.8 27.5 41.3





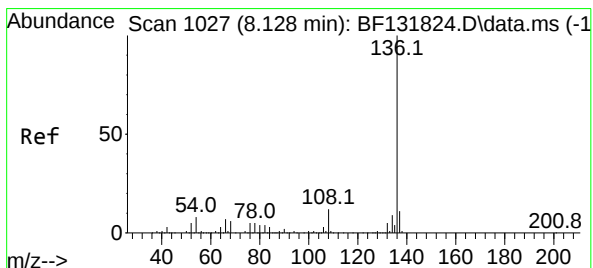
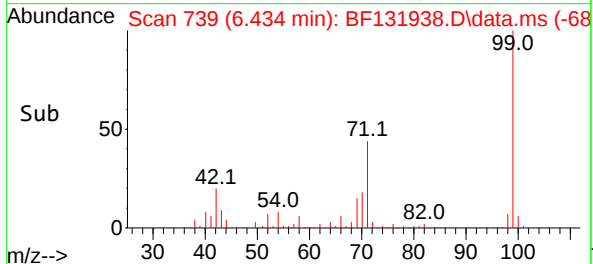
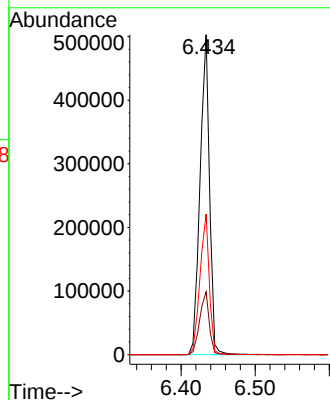
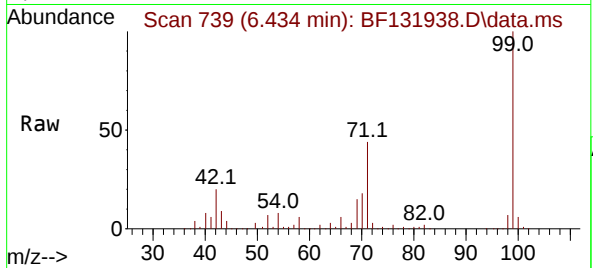
#7
Phenol-d6
Concen: 98.562 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion: 99 Resp: 44695
Ion Ratio Lower Upper
99 100
42 19.7 15.3 22.9
71 43.9 33.5 50.3

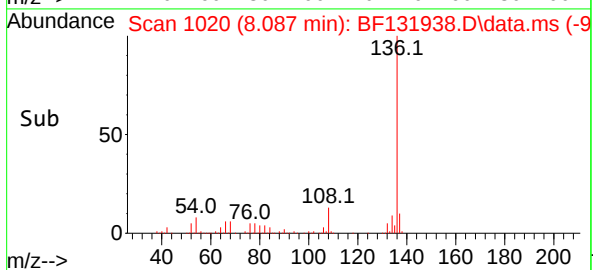
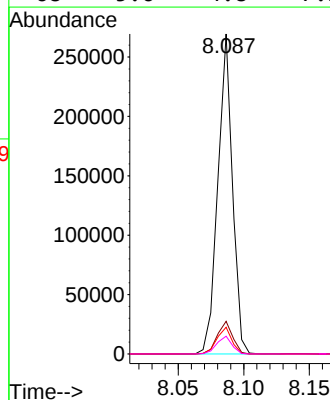
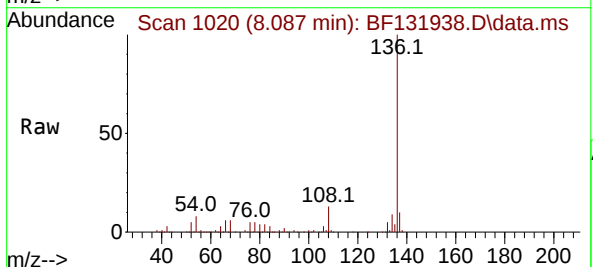
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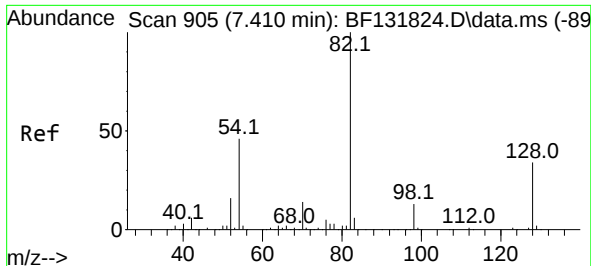
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Tgt Ion:136 Resp: 208296
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 8.3 6.7 10.1
68 5.6 4.8 7.2





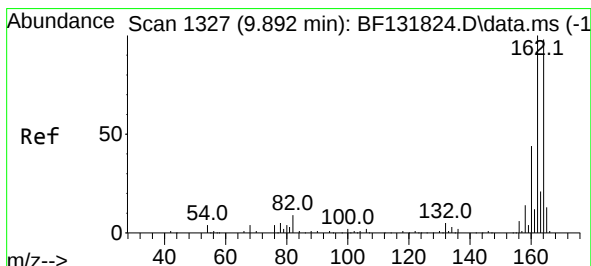
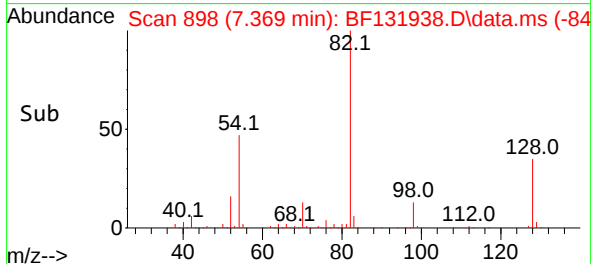
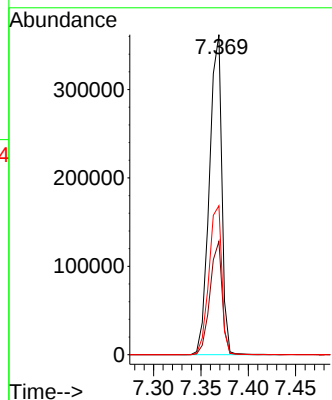
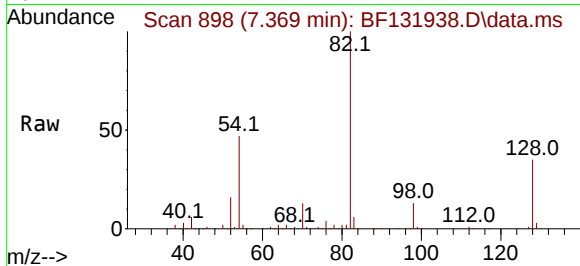
#23
Nitrobenzene-d5
Concen: 63.258 ng
RT: 7.369 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Instrument :
BNA_F
Client SampleId :
PE-5

Tgt Ion: 82 Resp: 330024
Ion Ratio Lower Upper
82 100
128 35.4 27.1 40.7
54 46.6 37.0 55.6

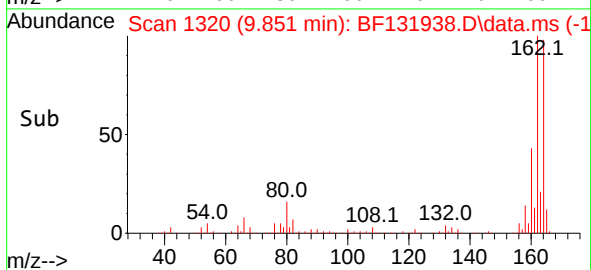
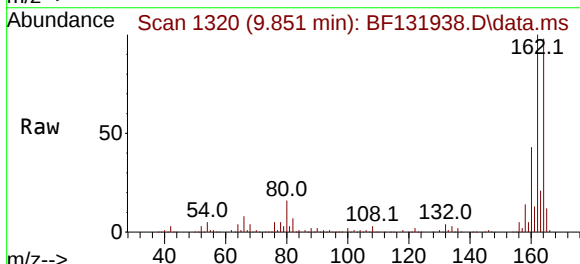
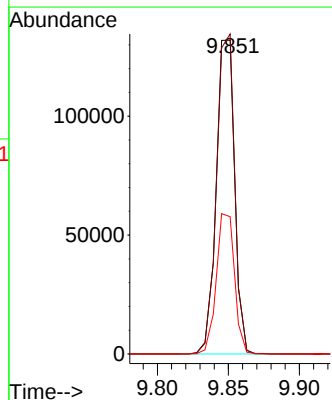
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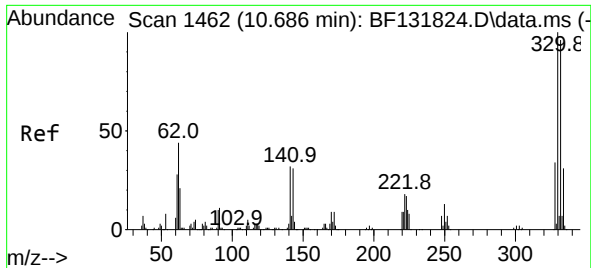
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

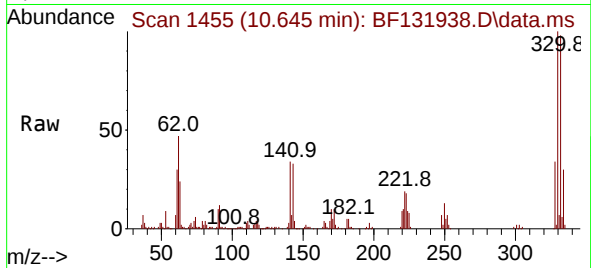
Tgt Ion:164 Resp: 119002
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 43.8 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 78.357 ng
RT: 10.645 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

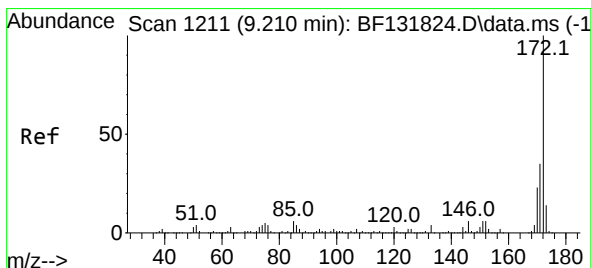
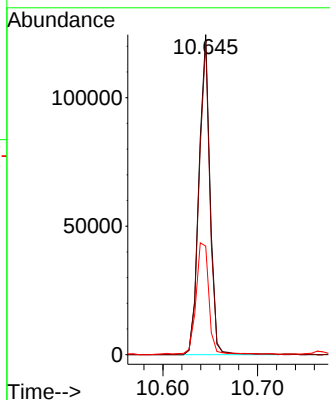
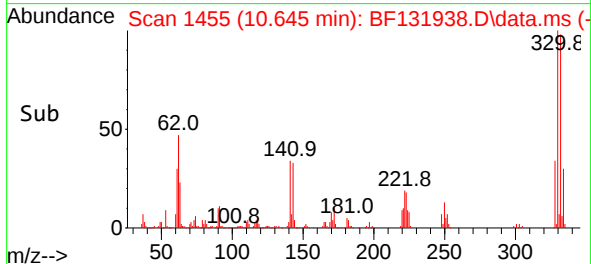
Instrument :
BNA_F
ClientSampleId :
PE-5



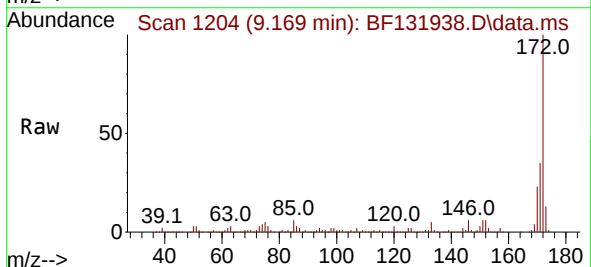
Tgt Ion:330 Resp: 101311
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 39.9 31.0 46.4

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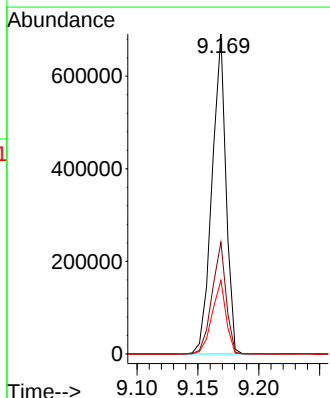
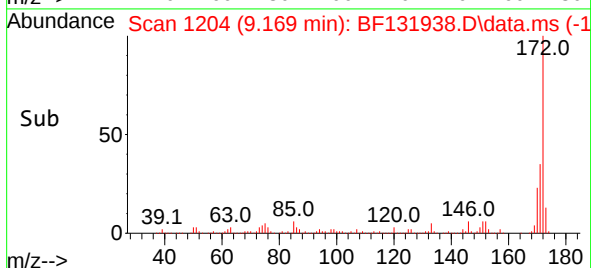
Reviewed By :Christian Giraldo 01/09/2023
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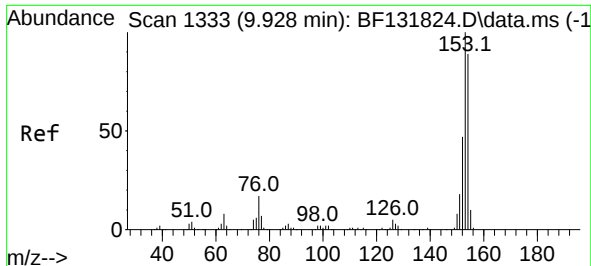


#45
2-Fluorobiphenyl
Concen: 63.689 ng
RT: 9.169 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15



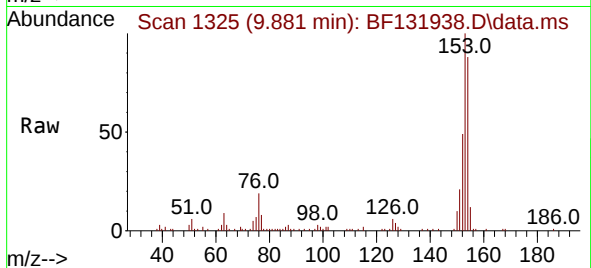
Tgt Ion:172 Resp: 553326
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.0 18.7 28.1





#52
Acenaphthene
Concen: 2.704 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

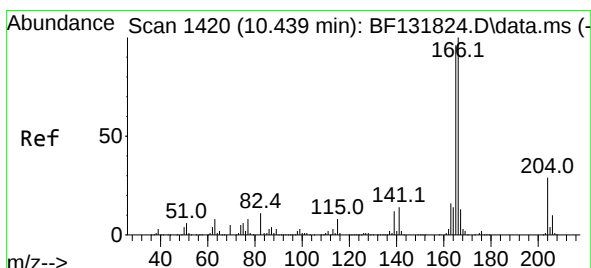
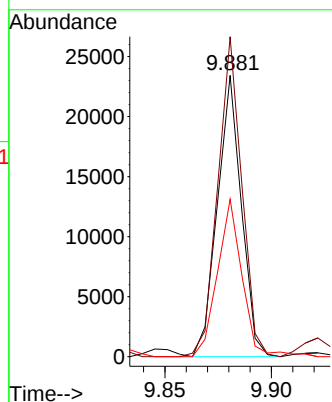
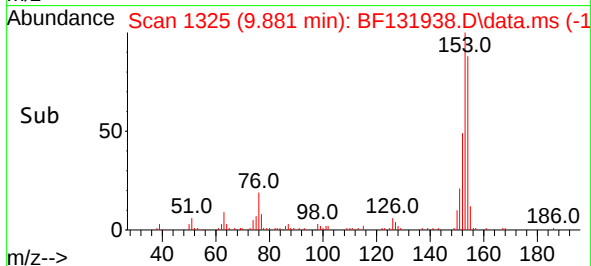
Instrument :
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ClientSampleId :
PE-5



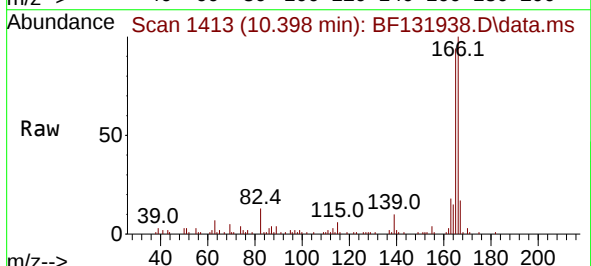
Tgt Ion:154 Resp: 1831
Ion Ratio Lower Upper
154 100
153 113.8 90.2 135.2
152 56.0 42.5 63.7

Manual Integrations
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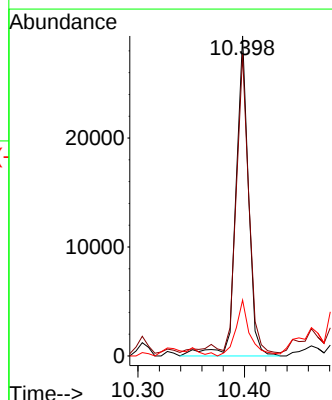
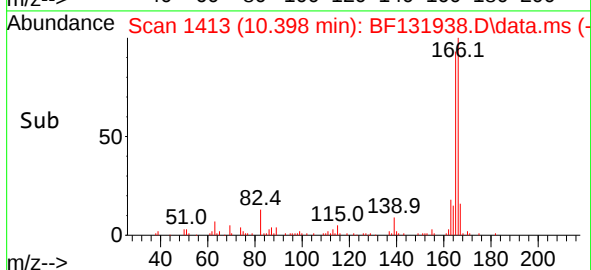
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

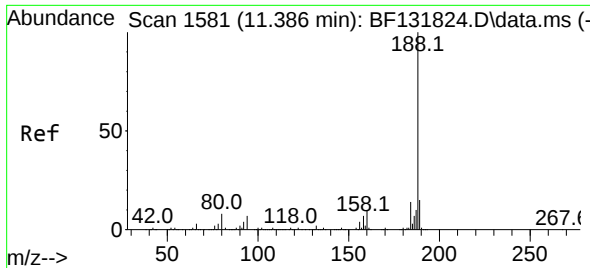


#58
Fluorene
Concen: 2.842 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15



Tgt Ion:166 Resp: 24216
Ion Ratio Lower Upper
166 100
165 94.1 77.0 115.4
167 17.4 10.4 15.6#





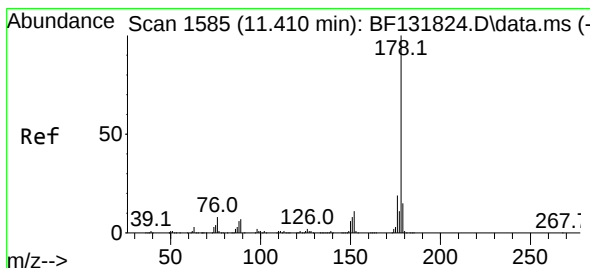
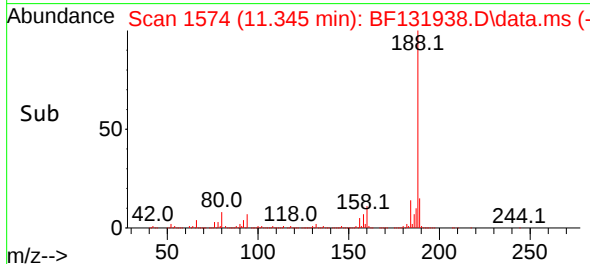
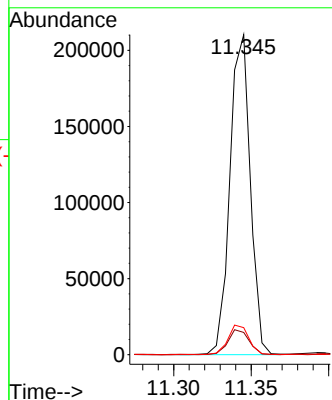
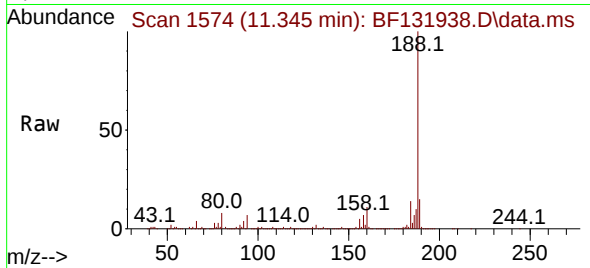
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11345
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion:188 Resp: 192235
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.6
80 8.5 6.7 10.1

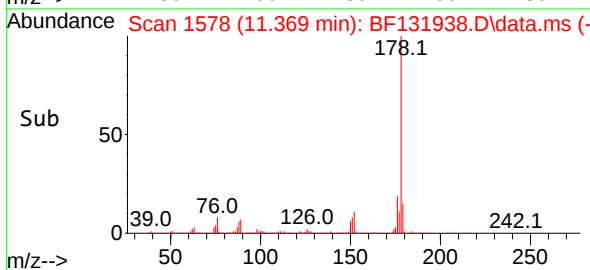
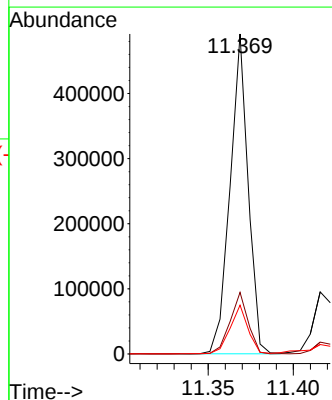
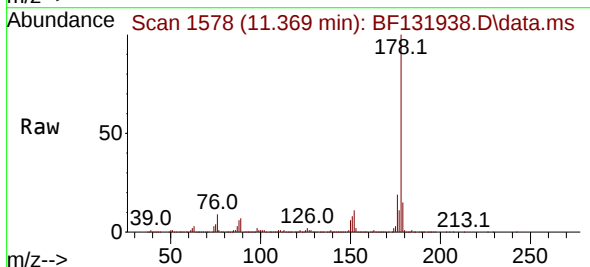
Manual Integrations
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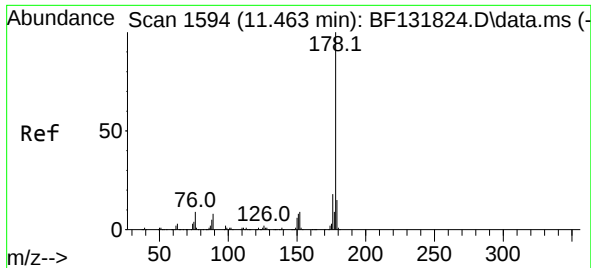
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#71
Phenanthrene
Concen: 34.393 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

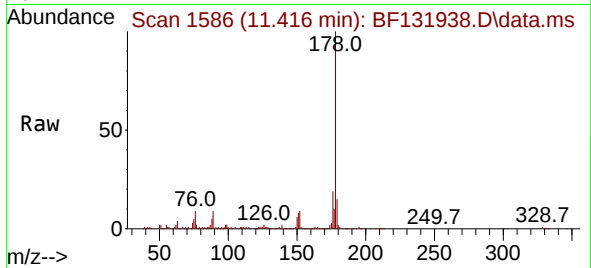
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Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 7.577 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131938.D
 Acq: 06 Jan 2023 13:15

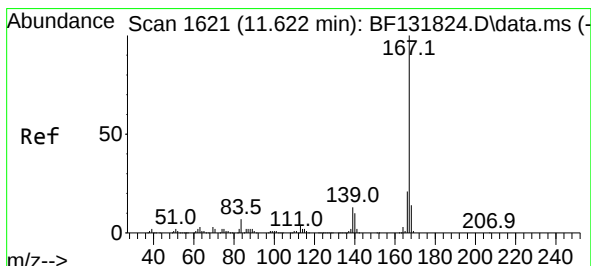
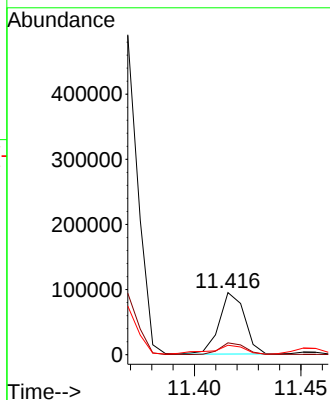
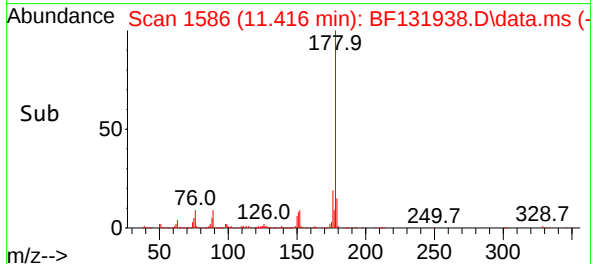
Instrument :
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Tgt Ion:178 Resp: 78359
 Ion Ratio Lower Upper
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 176 19.0 14.8 22.2
 179 15.2 12.2 18.2

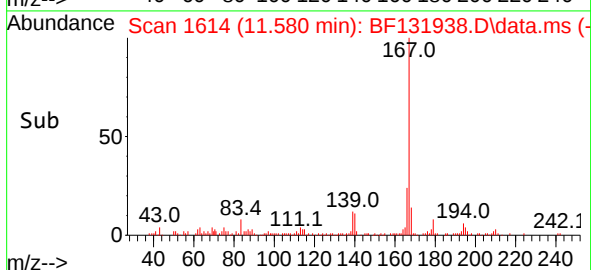
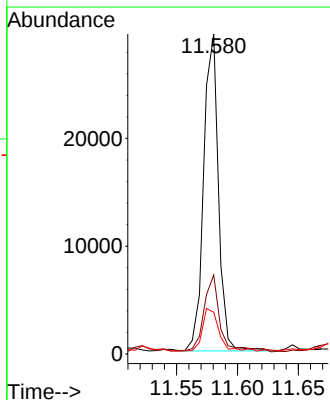
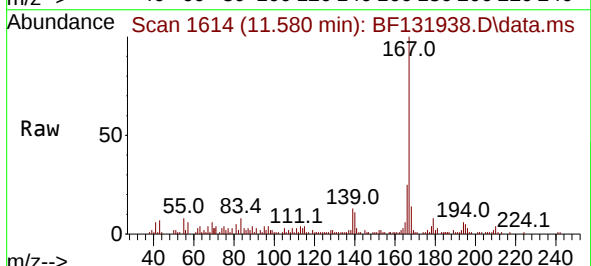
Manual Integrations
 APPROVED

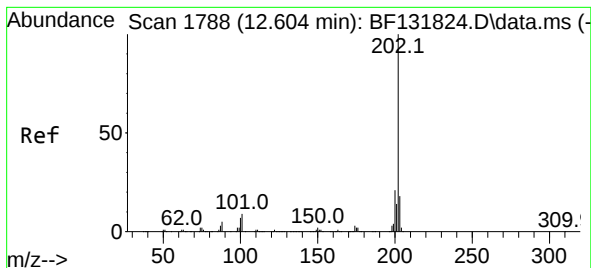
Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#73
 Carbazole
 Concen: 2.720 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: BF131938.D
 Acq: 06 Jan 2023 13:15

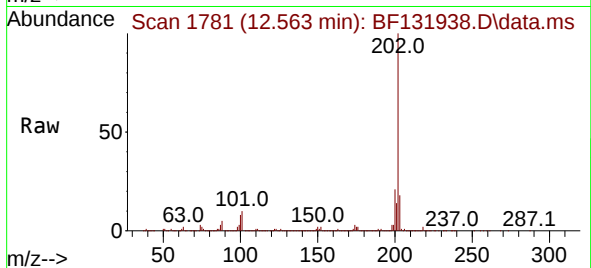
Tgt Ion:167 Resp: 24832
 Ion Ratio Lower Upper
 167 100
 166 24.7 16.6 24.8
 139 13.0 10.6 15.8





#75
Fluoranthene
Concen: 41.851 ng
RT: 12.563 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

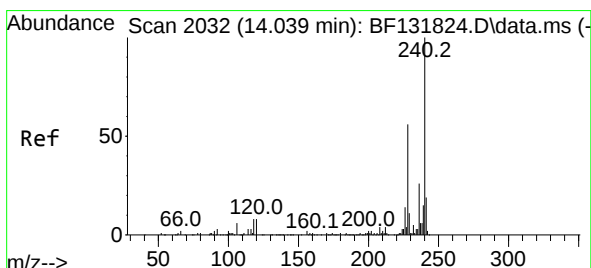
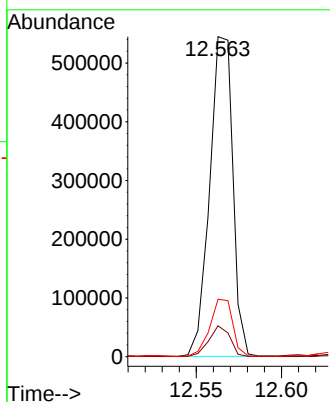
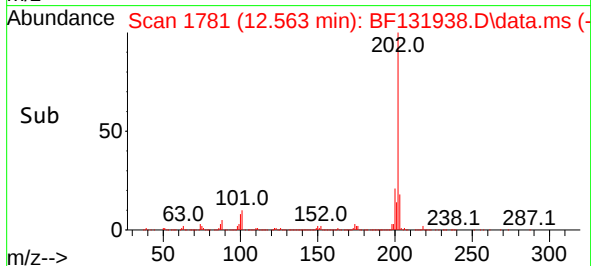
Instrument :
BNA_F
ClientSampleId :
PE-5



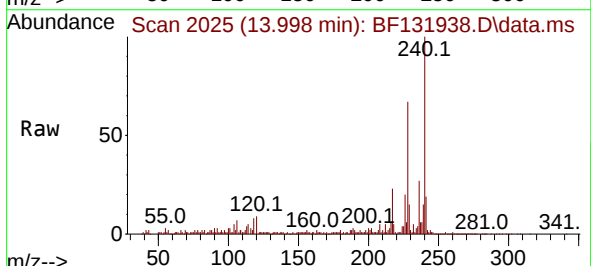
Tgt Ion:202 Resp: 51532
Ion Ratio Lower Upper
202 100
101 9.6 0.0 28.6
203 18.0 0.0 37.8

Manual Integrations
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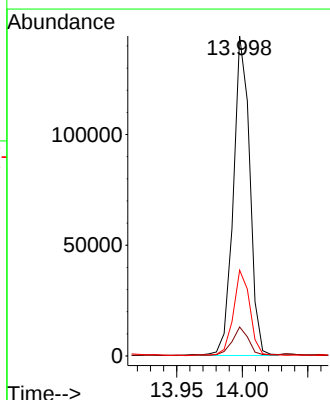
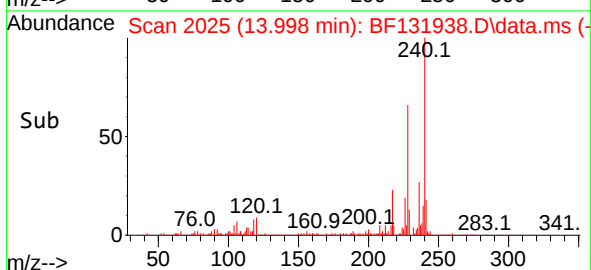
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

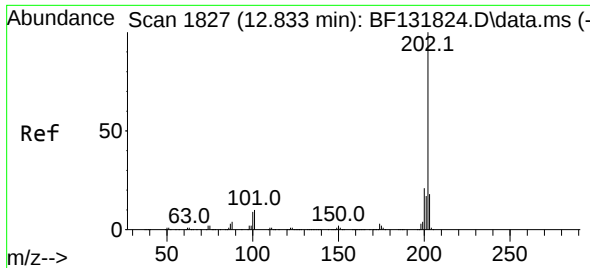


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15



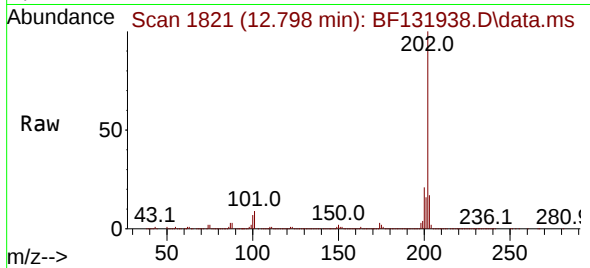
Tgt Ion:240 Resp: 126012
Ion Ratio Lower Upper
240 100
120 9.1 6.7 10.1
236 26.8 20.6 31.0





#78
Pyrene
Concen: 49.024 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

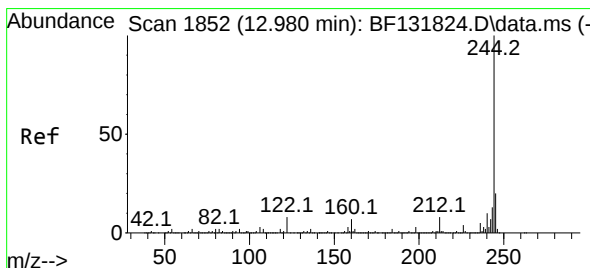
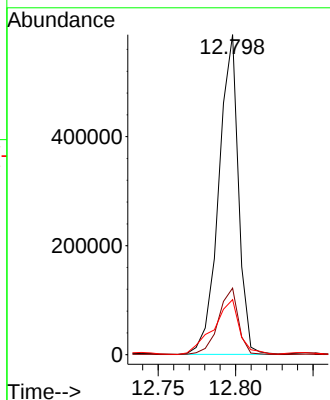
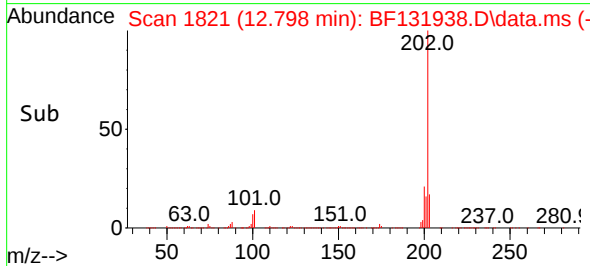
Instrument :
BNA_F
ClientSampleId :
PE-5



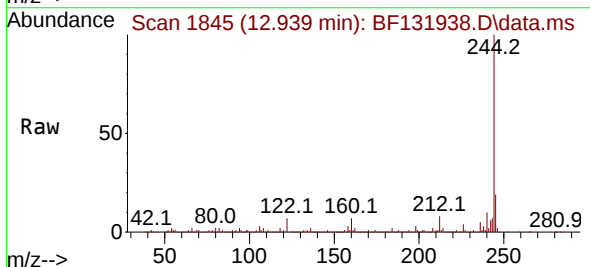
Tgt Ion:202 Resp: 517789
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.2 14.4 21.6

Manual Integrations
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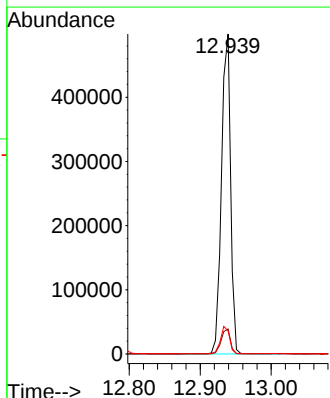
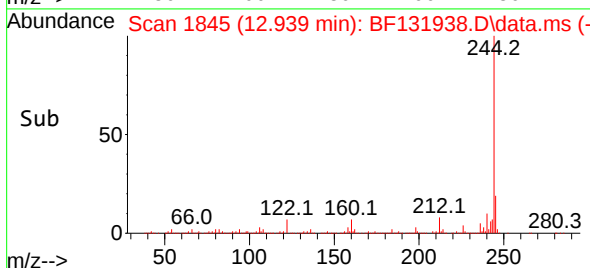
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

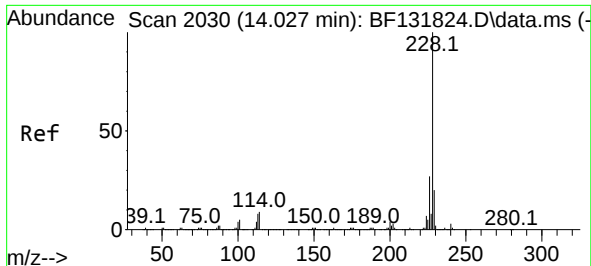


#79
Terphenyl-d14
Concen: 59.127 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15



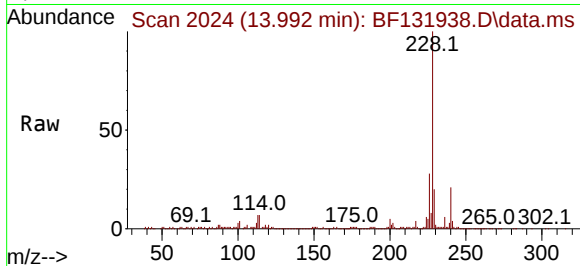
Tgt Ion:244 Resp: 440477
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 7.1 6.4 9.6





#81
Benzo(a)anthracene
Concen: 29.966 ng
RT: 13.992 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

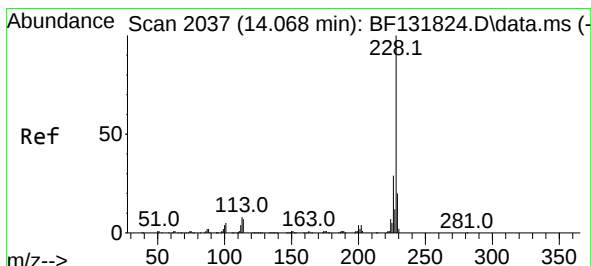
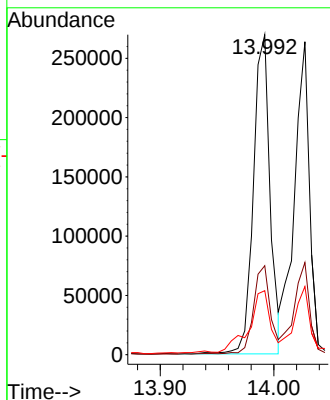
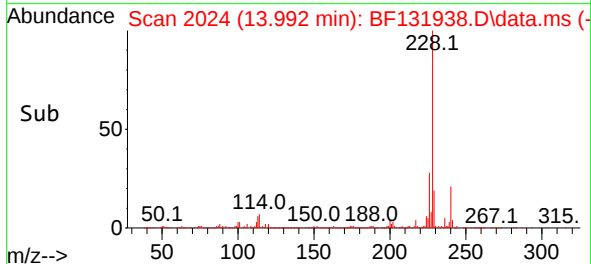
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion:228 Resp: 27339
Ion Ratio Lower Upper
228 100
226 27.8 22.0 33.0
229 20.0 16.0 24.0

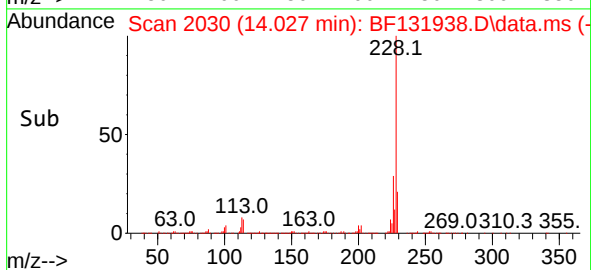
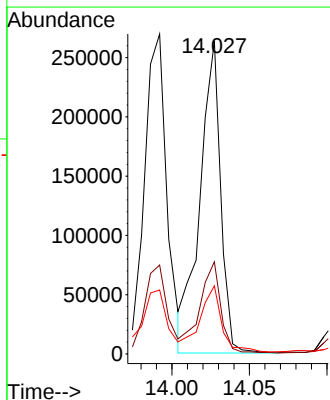
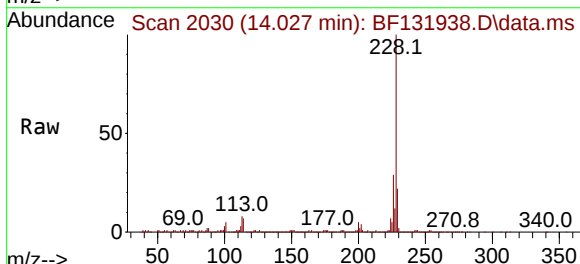
Manual Integrations
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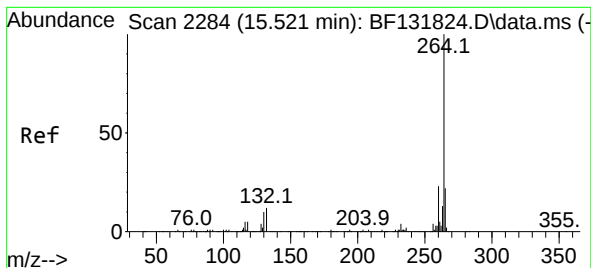
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#83
Chrysene
Concen: 28.693 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Tgt Ion:228 Resp: 245997
Ion Ratio Lower Upper
228 100
226 29.5 23.5 35.3
229 21.8 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131938.D

Acq: 06 Jan 2023 13:15

Instrument :

BNA_F

ClientSampleId :

PE-5

Tgt Ion:264 Resp: 12862

Ion Ratio Lower Upper

264 100

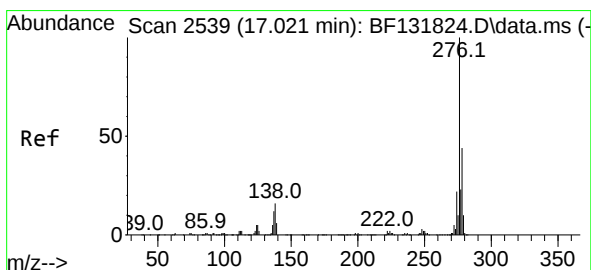
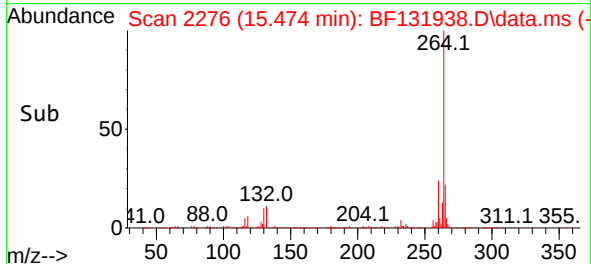
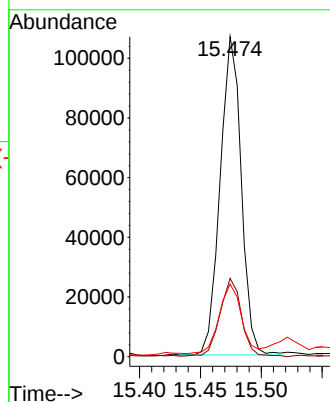
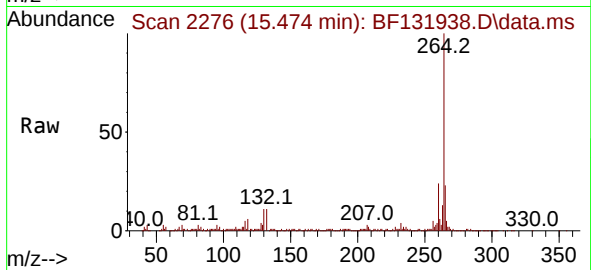
260 24.4 18.6 28.0

265 22.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.683 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF131938.D

Acq: 06 Jan 2023 13:15

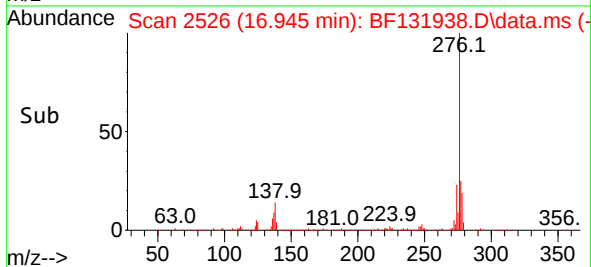
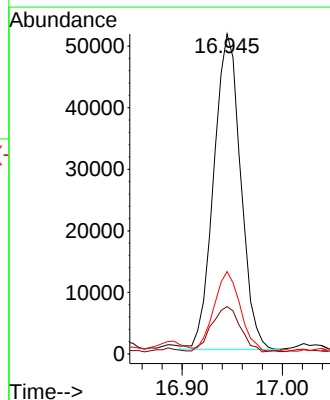
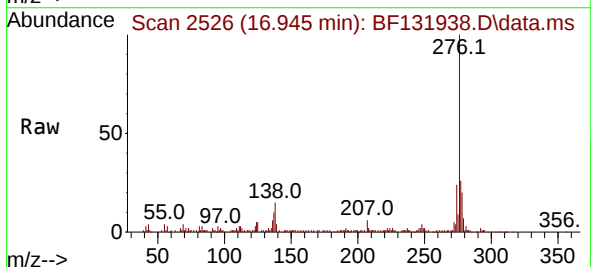
Tgt Ion:276 Resp: 95471

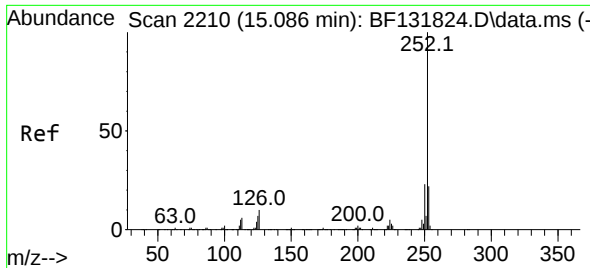
Ion Ratio Lower Upper

276 100

138 15.1 14.5 21.7

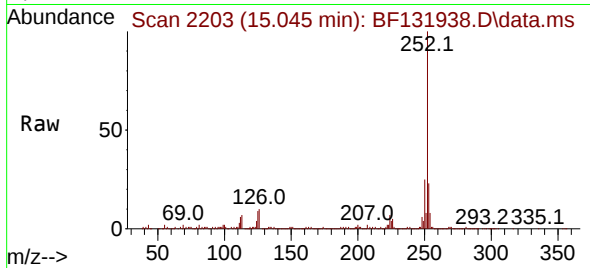
277 24.4 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 30.560 ng m
RT: 15.045 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

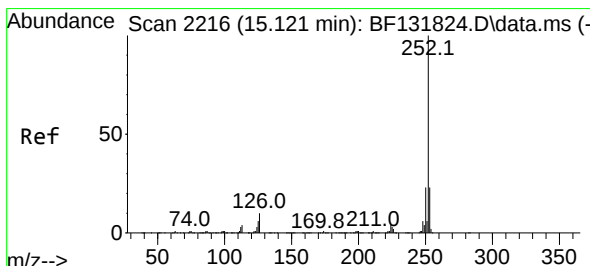
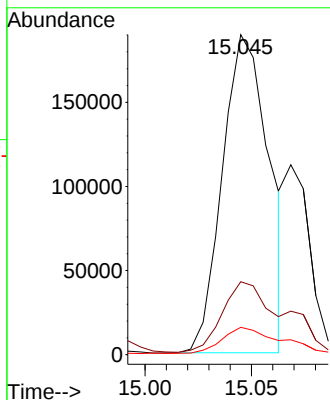
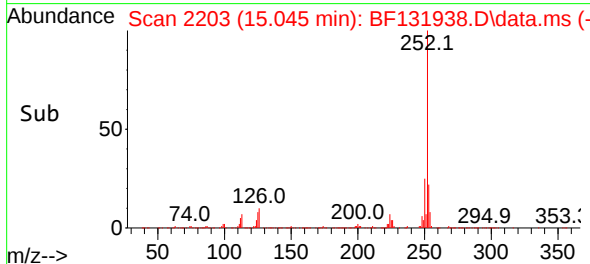
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion:252 Resp: 28821
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.5 5.8 8.8

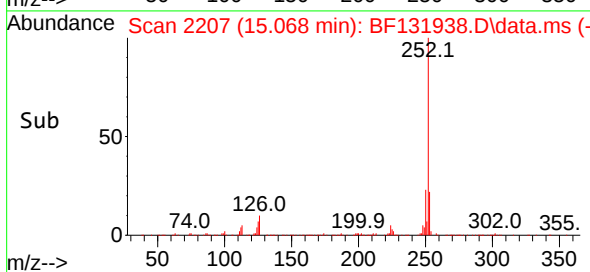
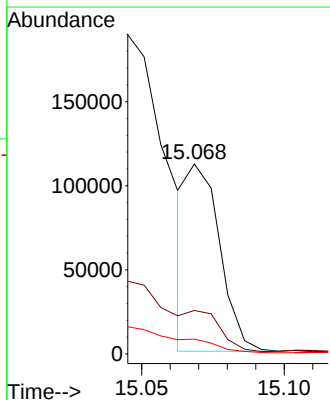
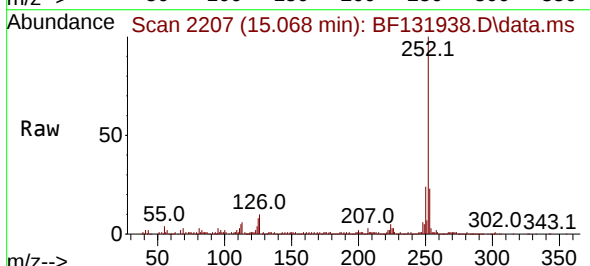
Manual Integrations
APPROVED

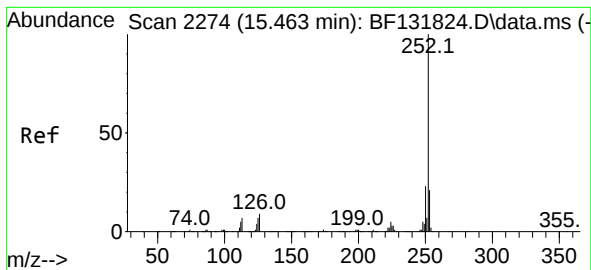
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#89
Benzo(k)fluoranthene
Concen: 9.644 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF131938.D
Acq: 06 Jan 2023 13:15

Tgt Ion:252 Resp: 87884
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 7.8 5.4 8.0





#90

Benzo(a)pyrene

Concen: 29.533 ng

RT: 15.416 min Scan# 215638

Delta R.T. 0.006 min

Lab File: BF131938.D

Acq: 06 Jan 2023 13:15

Instrument :

BNA_F

ClientSampleId :

PE-5

Tgt Ion:252 Resp: 215638

Ion Ratio Lower Upper

252 100

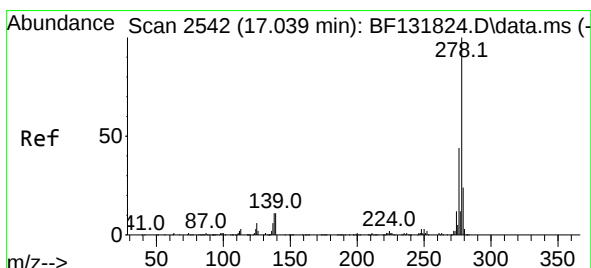
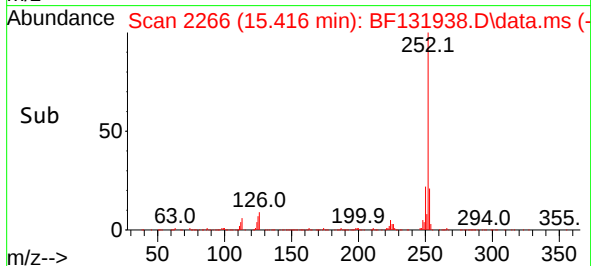
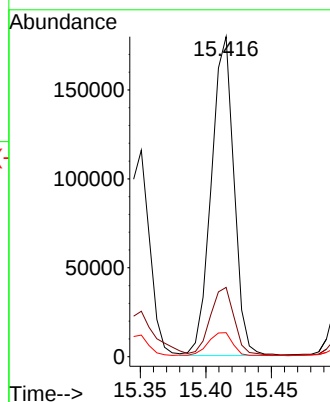
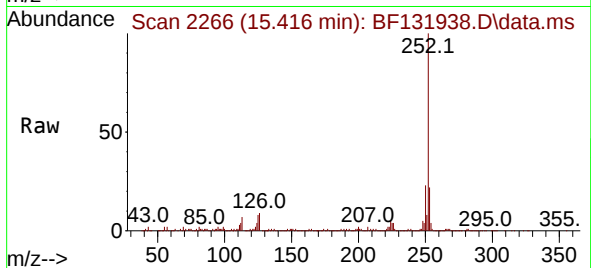
253 21.7 16.6 24.8

125 7.5 5.8 8.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.984 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.012 min

Lab File: BF131938.D

Acq: 06 Jan 2023 13:15

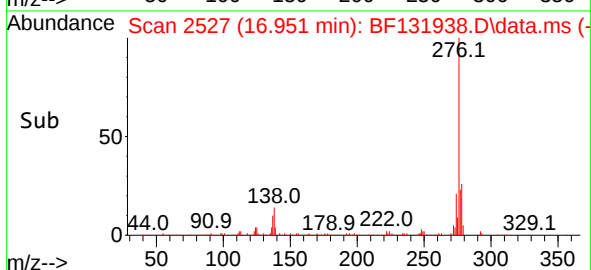
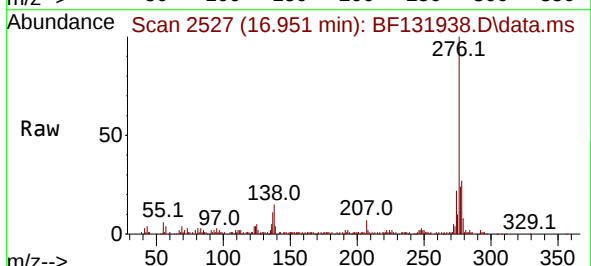
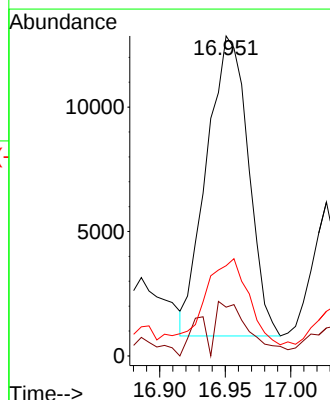
Tgt Ion:278 Resp: 26668

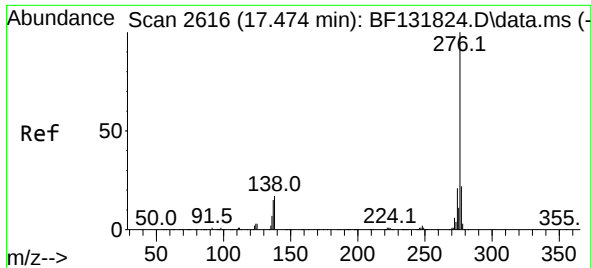
Ion Ratio Lower Upper

278 100

139 15.2 8.6 12.8#

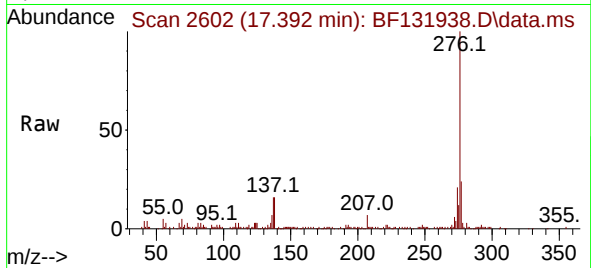
279 28.2 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 15.328 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF131938.D
 Acq: 06 Jan 2023 13:15

Instrument :
 BNA_F
 ClientSampleId :
 PE-5



Tgt Ion:276 Resp: 89604
 Ion Ratio Lower Upper
 276 100
 277 24.0 17.9 26.9
 138 16.5 13.7 20.5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

