

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133809.D
 Acq On : 16 Jun 2023 16:26
 Operator : CG\JU
 Sample : 03186-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061323DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 16 16:47:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81183	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	304182	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	138798	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	243419	20.000	ng	0.00
76) Chrysene-d12	14.051	240	165339	20.000	ng	0.00
86) Perylene-d12	15.557	264	132530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	67275	14.427	ng	0.00
7) Phenol-d6	6.487	99	99043	16.317	ng	-0.01
23) Nitrobenzene-d5	7.416	82	56710	10.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	27571	15.693	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	136523	13.982	ng	0.00
79) Terphenyl-d14	12.986	244	124188	11.622	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.928	154	32880	4.019	ng	97
55) Dibenzofuran	10.104	168	43890	3.516	ng	99
58) Fluorene	10.445	166	63153	6.616	ng	98
71) Phenanthrene	11.416	178	410844	33.267	ng	99
72) Anthracene	11.469	178	134708	10.461	ng	100
75) Fluoranthene	12.610	202	474078	36.149	ng	97
78) Pyrene	12.845	202	418013	27.140	ng	99
81) Benzo(a)anthracene	14.039	228	190832	16.686	ng	98
83) Chrysene	14.074	228	141472	13.079	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	52903	5.802	ng	96
88) Benzo(b)fluoranthene	15.110	252	141115m	17.528	ng	
89) Benzo(k)fluoranthene	15.139	252	56644m	7.223	ng	
90) Benzo(a)pyrene	15.492	252	107417	14.377	ng	97
92) Benzo(g,h,i)perylene	17.574	276	49223	6.577	ng	# 95

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

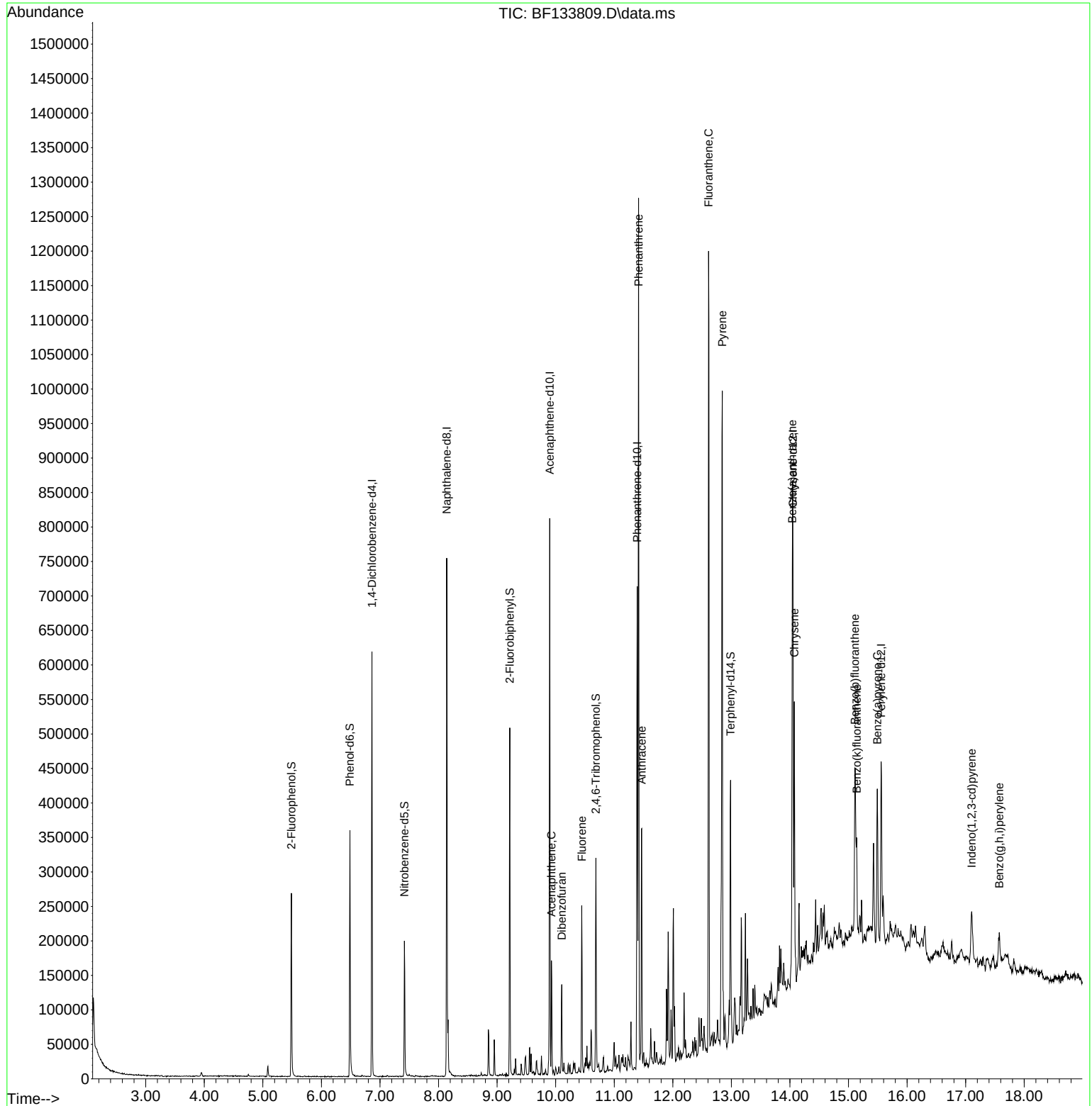
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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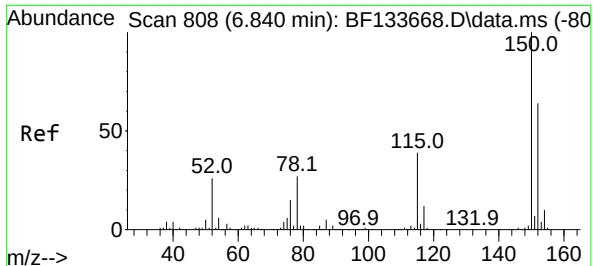
Instrument :
BNA_F
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OR-03-061323DL

Quant Time: Jun 16 16:47:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 14:54:03 2023
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Manual Integrations
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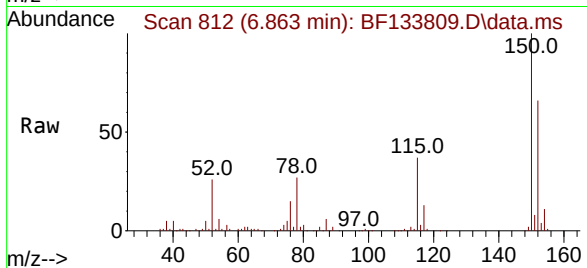
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

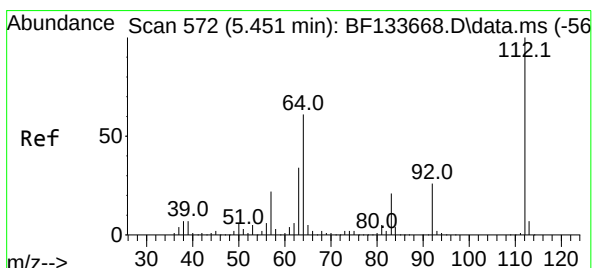
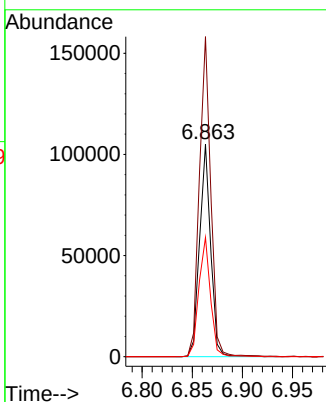
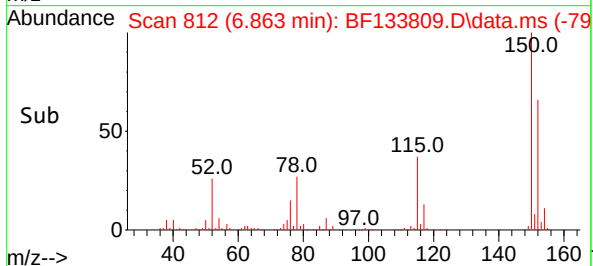
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL



Tgt Ion:152 Resp: 8118
Ion Ratio Lower Upper
152 100
150 150.6 124.3 186.5
115 56.1 48.5 72.7

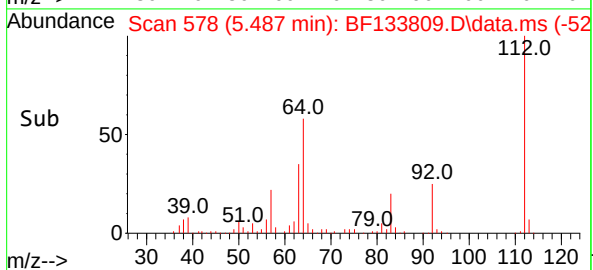
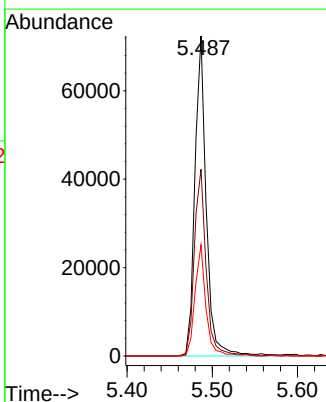
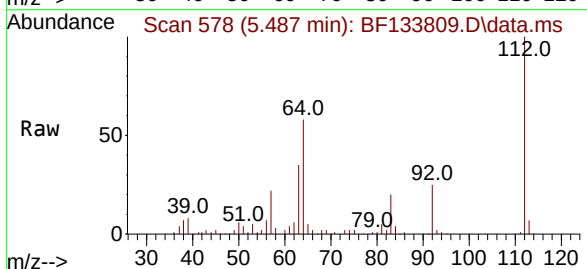
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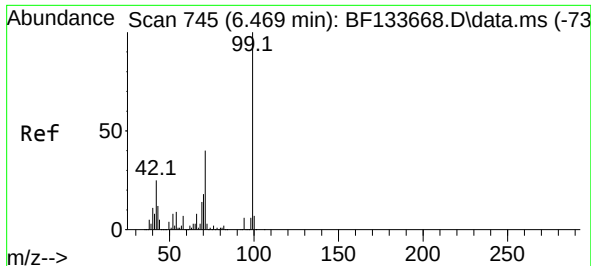
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 14.427 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:112 Resp: 67275
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.4
63 34.7 26.8 40.2





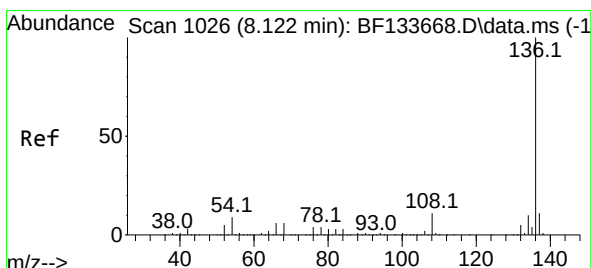
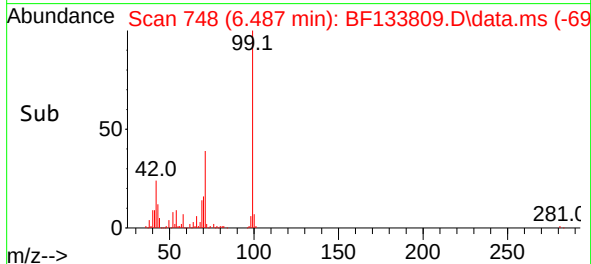
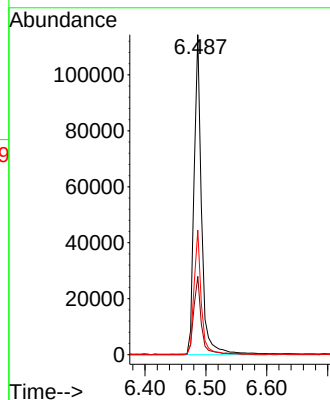
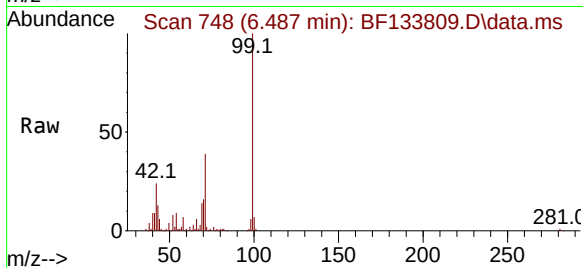
#7
Phenol-d6
Concen: 16.317 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

Tgt Ion: 99 Resp: 9904
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 38.9 32.2 48.4

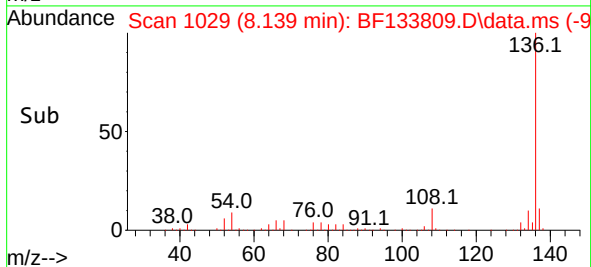
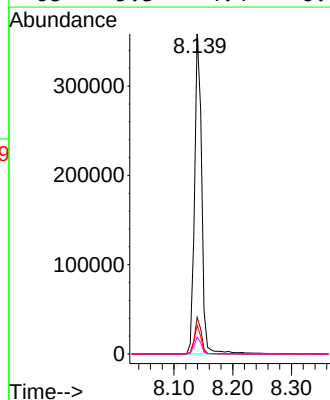
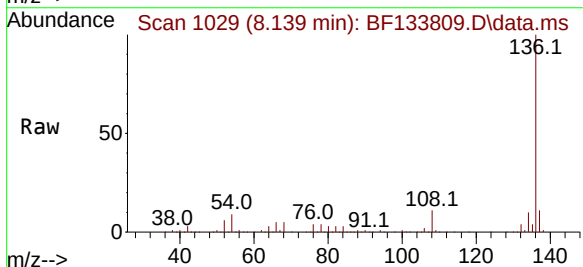
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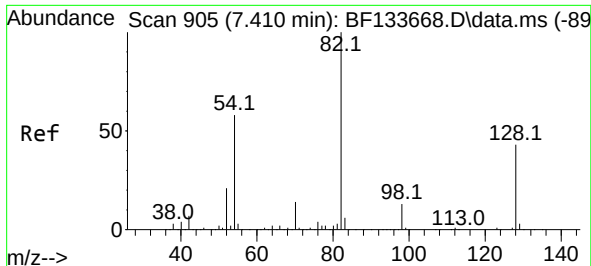
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:136 Resp: 304182
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.0 7.4 11.0
68 5.3 4.4 6.6





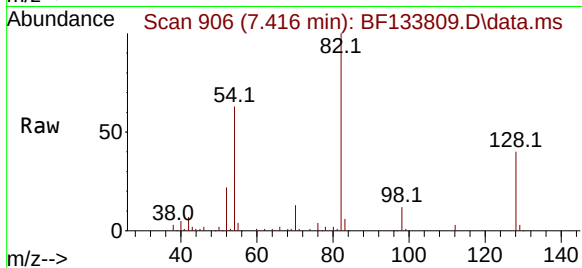
#23
Nitrobenzene-d5
Concen: 10.154 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

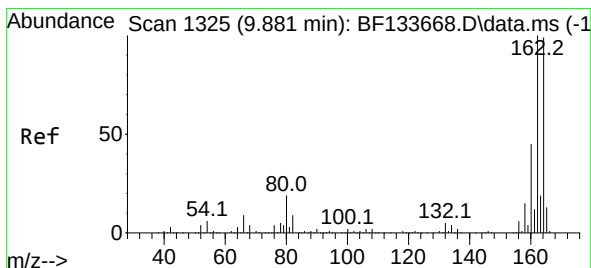
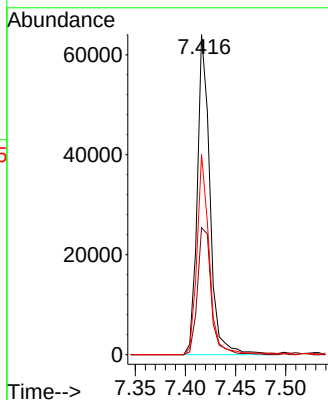
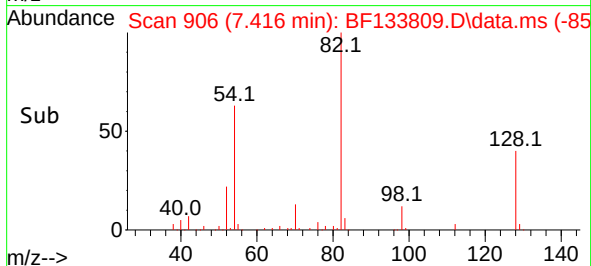


Tgt Ion: 82 Resp: 56710
Ion Ratio Lower Upper
82 100
128 39.7 34.2 51.2
54 62.5 46.5 69.7

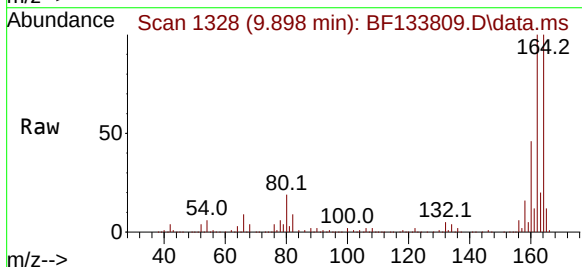
Manual Integrations

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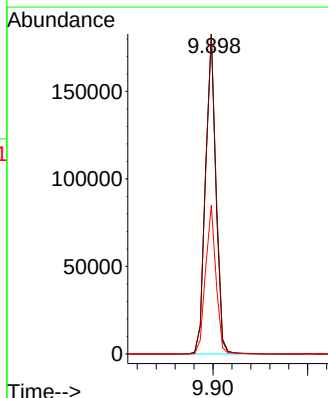
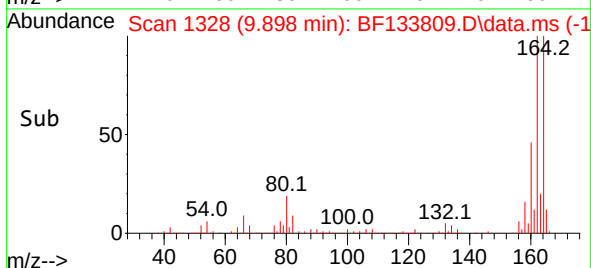
Reviewed By :Yogesh Patel 06/19/2023
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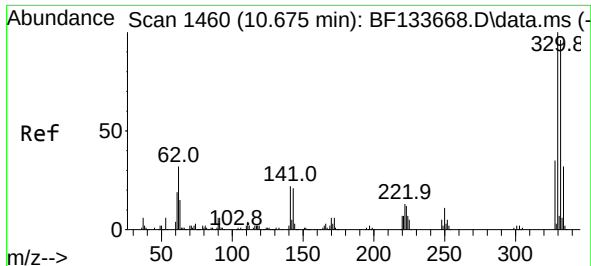


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26



Tgt Ion:164 Resp: 138798
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 46.5 36.7 55.1





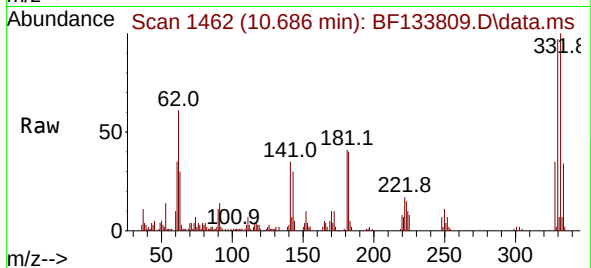
#42
2,4,6-Tribromophenol
Concen: 15.693 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL



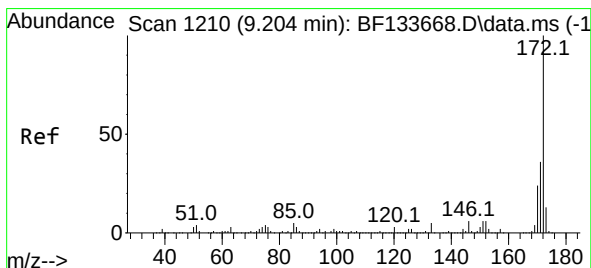
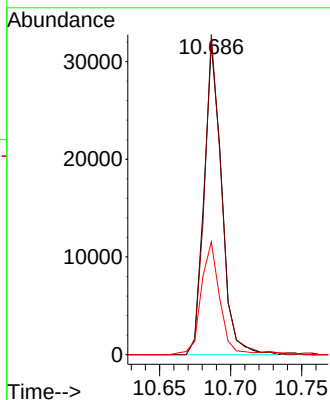
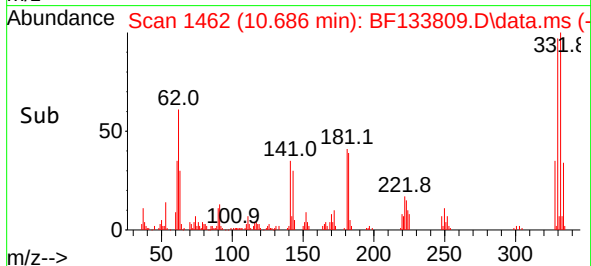
Tgt Ion:330 Resp: 2757
Ion Ratio Lower Upper
330 100
332 99.5 77.2 115.8
141 37.9 24.9 37.3

Manual Integrations

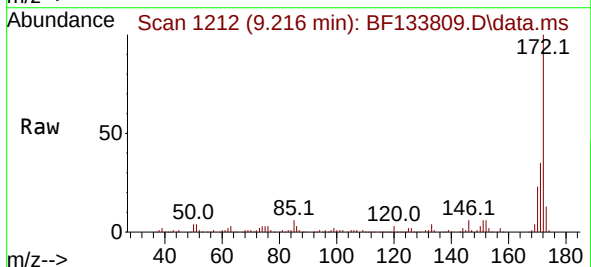
APPROVED

Reviewed By :Yogesh Patel 06/19/2023

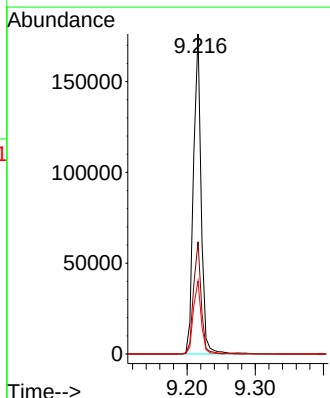
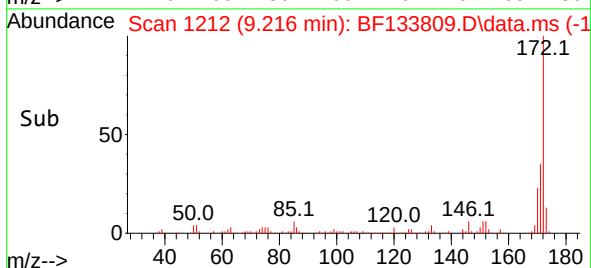
Supervised By :mohammad ahmed 06/20/2023

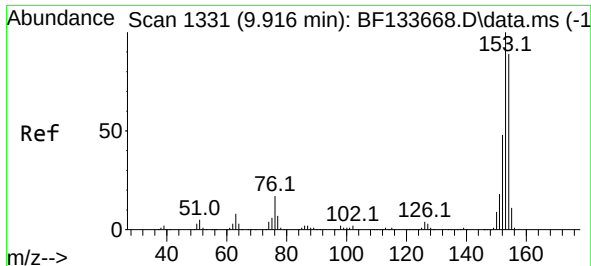


#45
2-Fluorobiphenyl
Concen: 13.982 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26



Tgt Ion:172 Resp: 136523
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.8 19.1 28.7





#52
Acenaphthene
Concen: 4.019 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

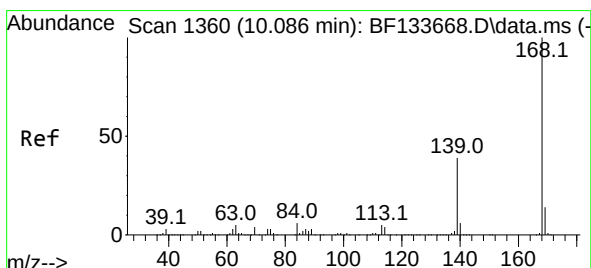
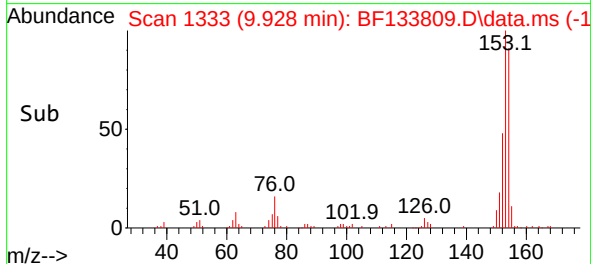
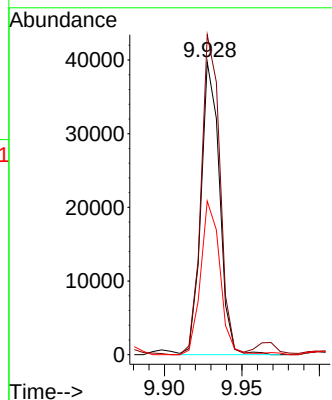
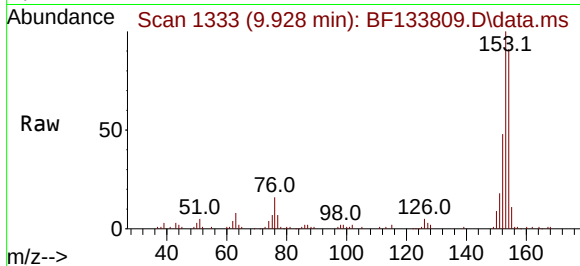
OR-03-061323DL

Tgt Ion:154 Resp: 32880
Ion Ratio Lower Upper
154 100
153 109.4 89.8 134.8
152 52.5 43.4 65.2

Manual Integrations

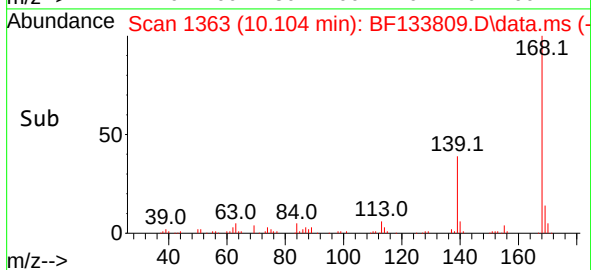
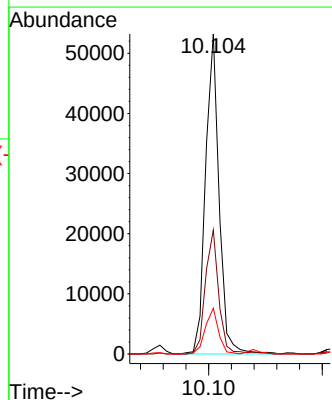
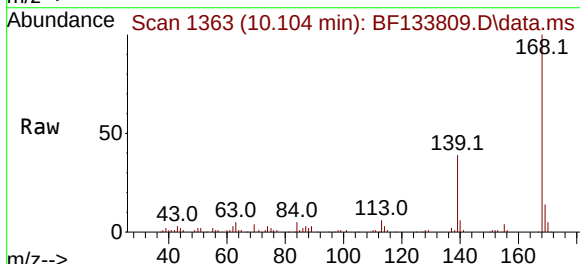
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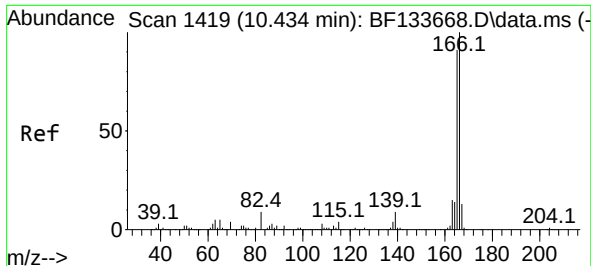
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#55
Dibenzofuran
Concen: 3.516 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

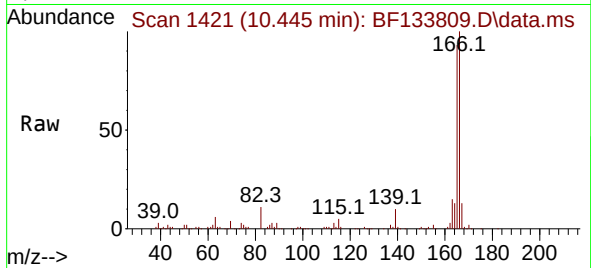
Tgt Ion:168 Resp: 43890
Ion Ratio Lower Upper
168 100
139 38.7 30.9 46.3
169 14.3 10.9 16.3





#58
Fluorene
Concen: 6.616 ng
RT: 10.445 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

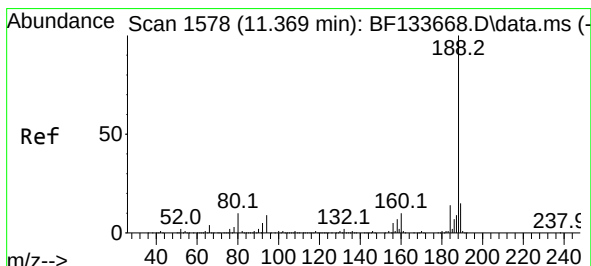
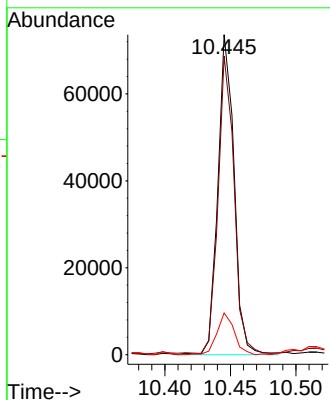
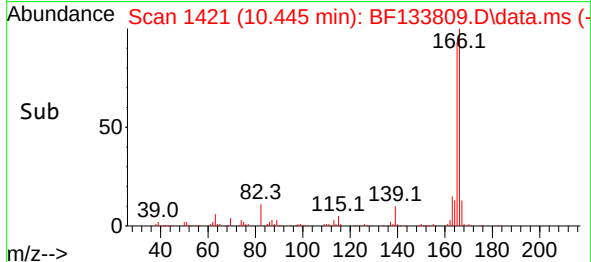
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ClientSampleId :
OR-03-061323DL



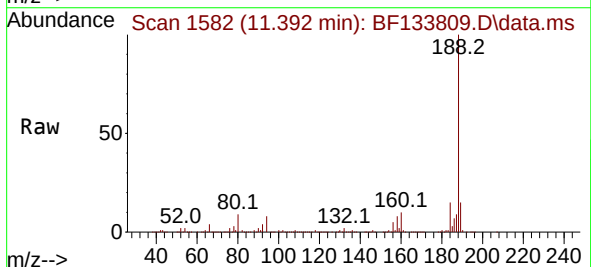
Tgt Ion:166 Resp: 6315
Ion Ratio Lower Upper
166 100
165 93.4 73.1 109.7
167 13.1 10.5 15.7

Manual Integrations
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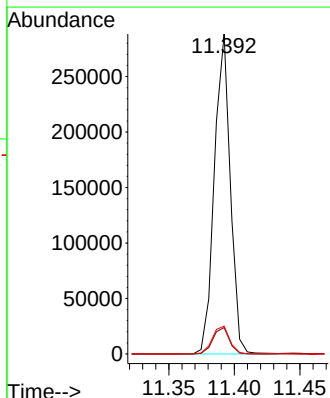
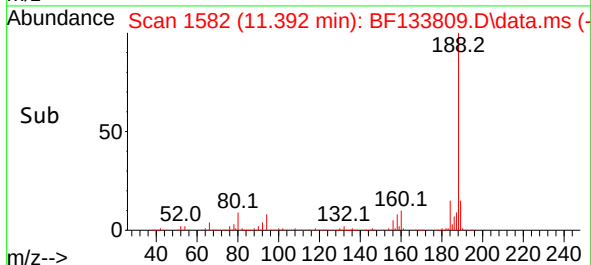
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

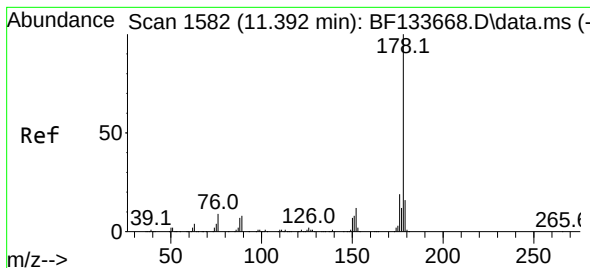


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26



Tgt Ion:188 Resp: 243419
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.7 7.8 11.6





#71

Phenanthrene

Concen: 33.267 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

Tgt Ion:178 Resp: 41084

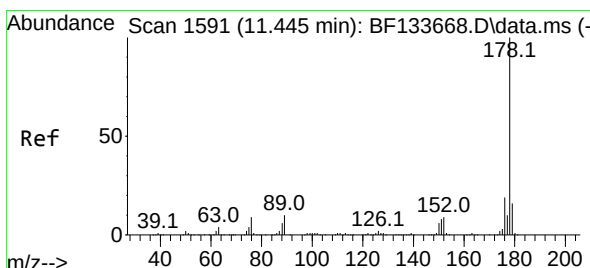
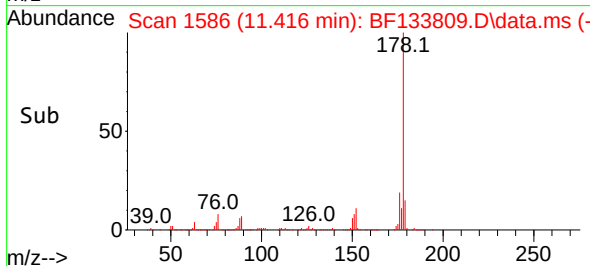
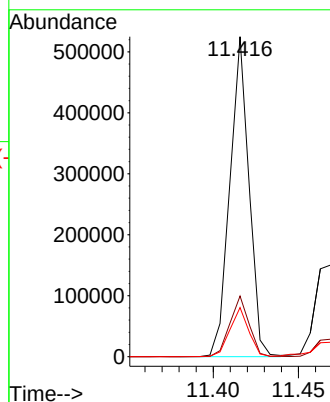
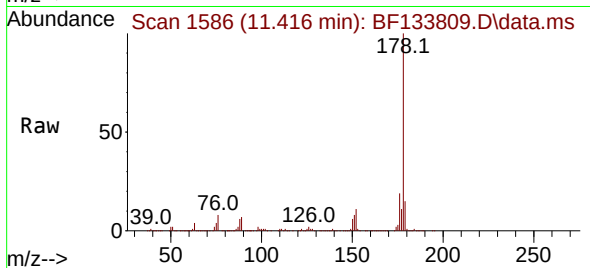
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.4	12.4	18.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#72

Anthracene

Concen: 10.461 ng

RT: 11.469 min Scan# 1595

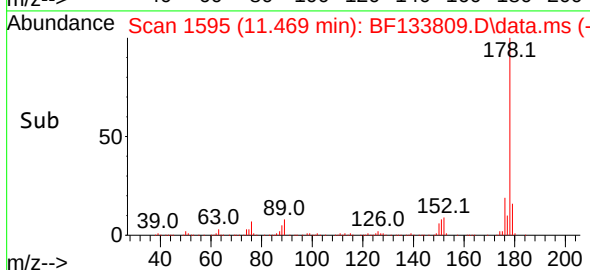
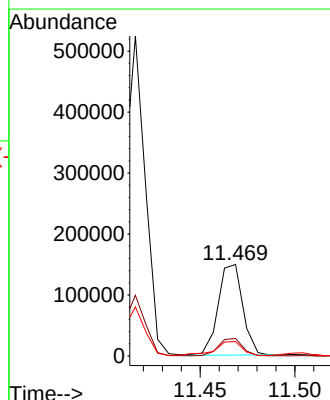
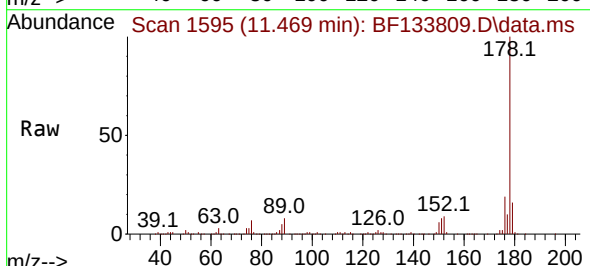
Delta R.T. 0.000 min

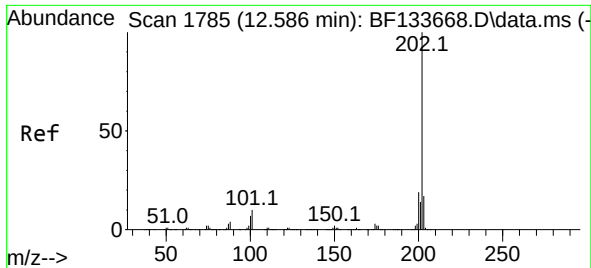
Lab File: BF133809.D

Acq: 16 Jun 2023 16:26

Tgt Ion:178 Resp: 134708

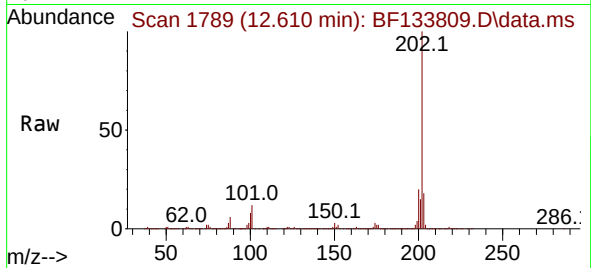
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.7	12.6	18.8





#75
Fluoranthene
Concen: 36.149 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

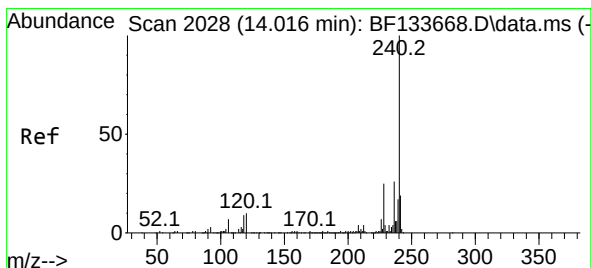
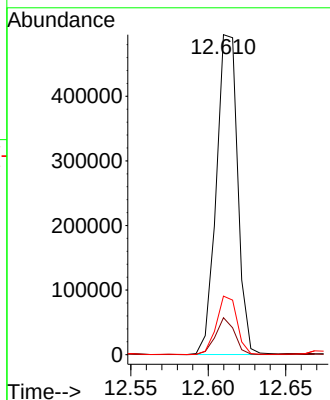
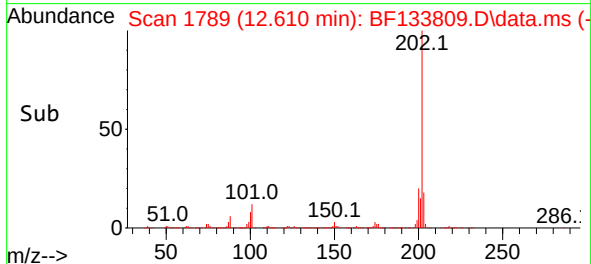
Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL



Tgt Ion:202 Resp: 474078
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.6
203 18.3 0.0 37.4

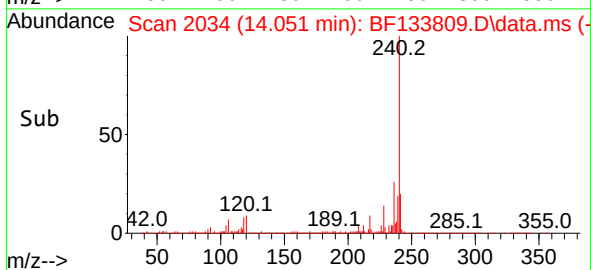
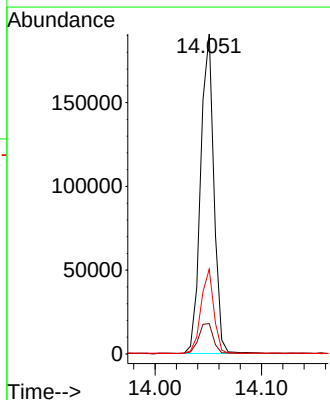
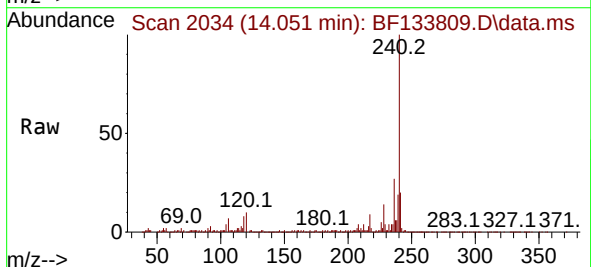
Manual Integrations
APPROVED

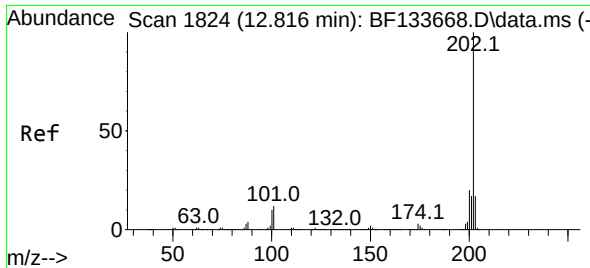
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:240 Resp: 165339
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 26.5 20.5 30.7





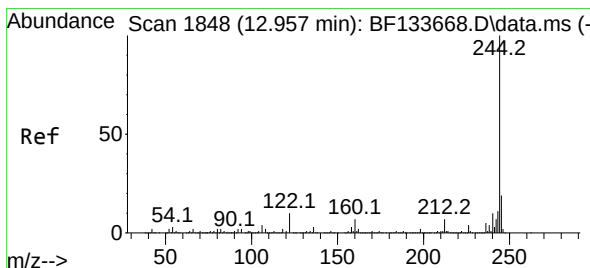
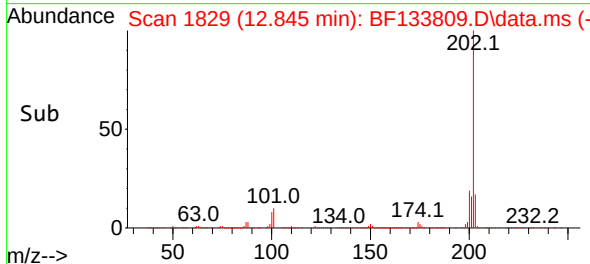
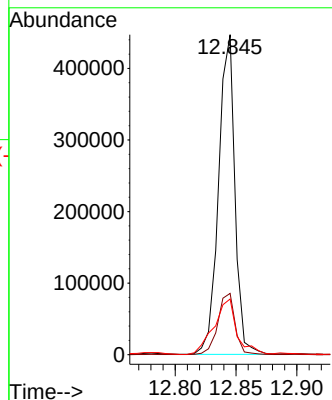
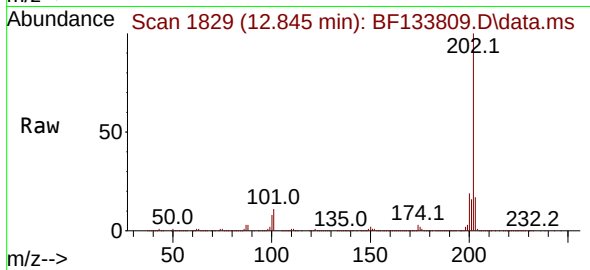
#78
Pyrene
Concen: 27.140 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :
BNA_F
ClientSampleId :
OR-03-061323DL

Tgt Ion:202 Resp: 41801
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 17.4 13.9 20.9

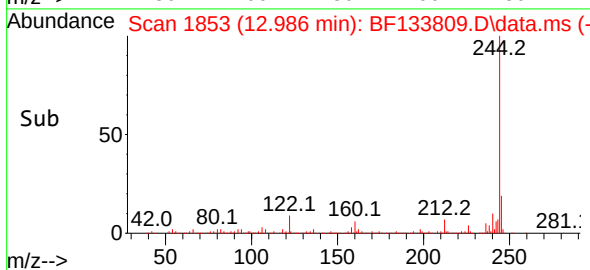
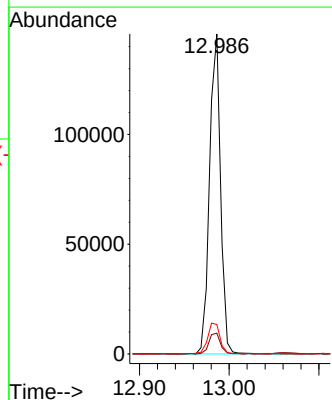
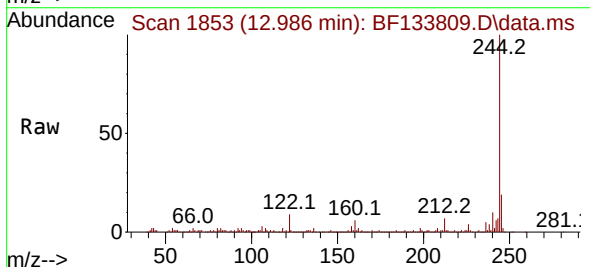
Manual Integrations
APPROVED

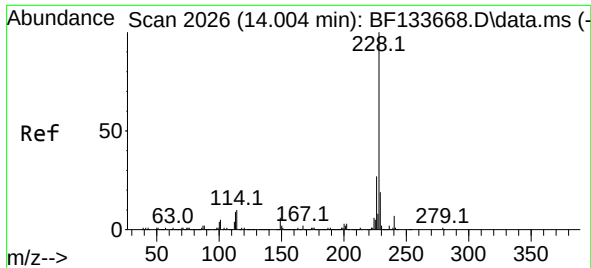
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#79
Terphenyl-d14
Concen: 11.622 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:244 Resp: 124188
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 9.2 8.1 12.1





#81
Benzo(a)anthracene
Concen: 16.686 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

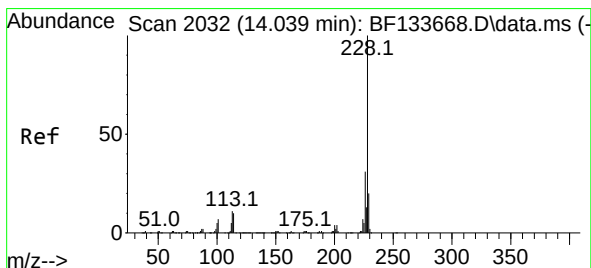
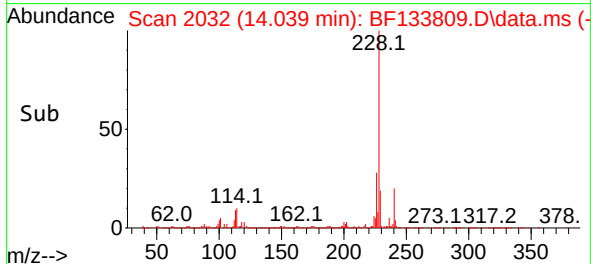
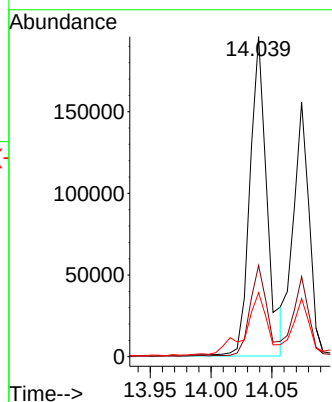
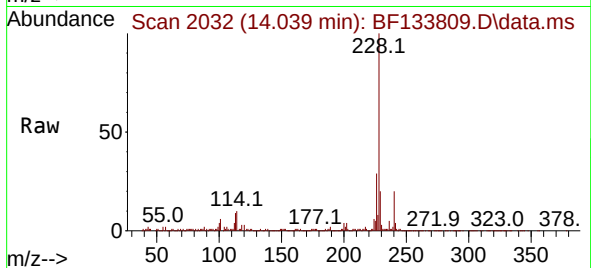
OR-03-061323DL

Tgt Ion:228 Resp: 190832
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.0 15.4 23.2

Manual Integrations

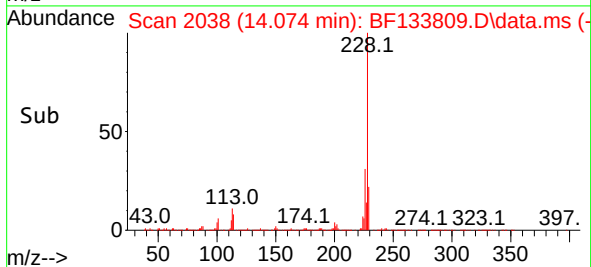
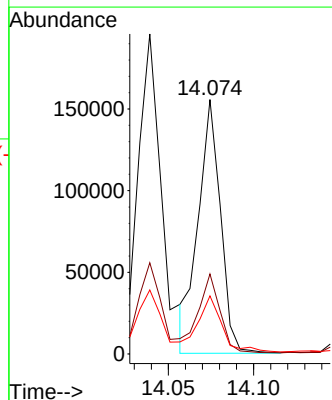
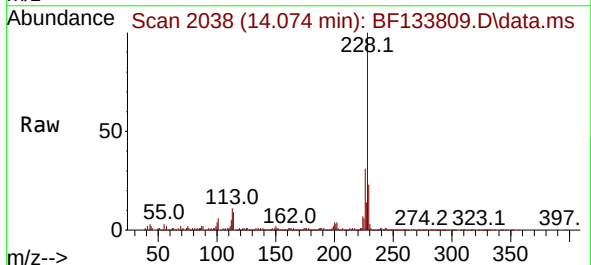
APPROVED

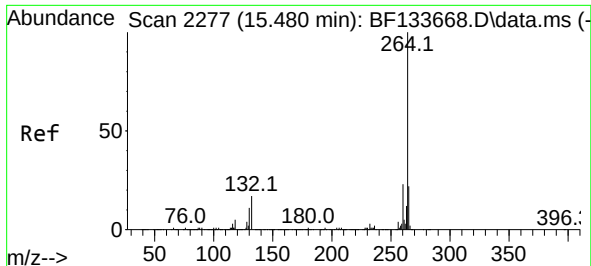
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#83
Chrysene
Concen: 13.079 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:228 Resp: 141472
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.8 15.8 23.8





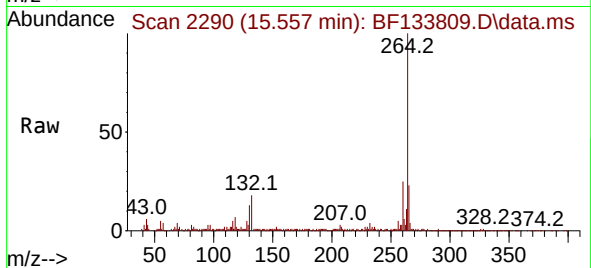
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

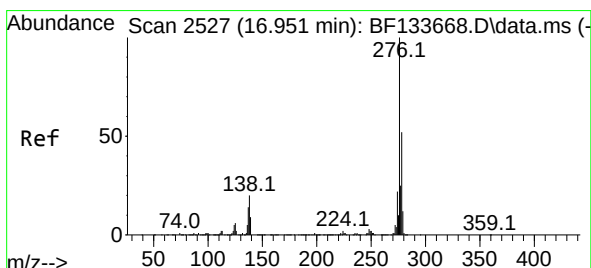
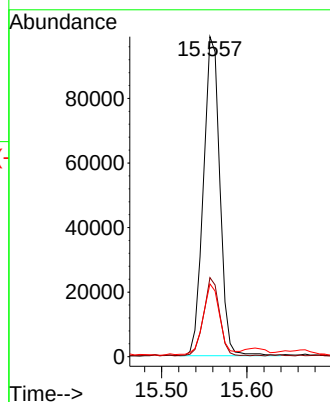
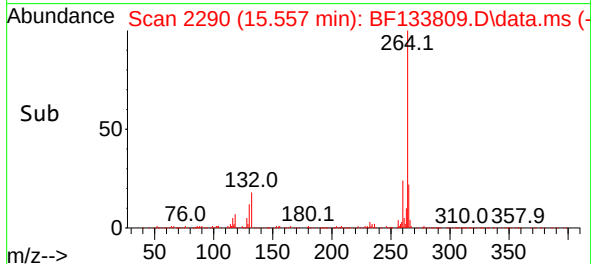


Tgt Ion:264 Resp: 132530
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.2
265 22.7 17.8 26.6

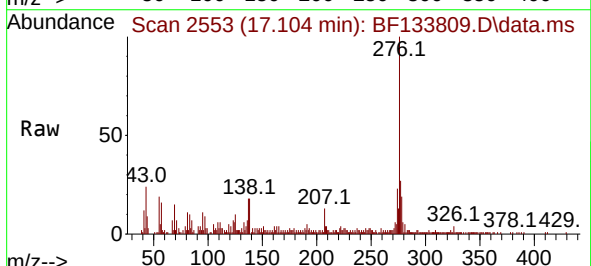
Manual Integrations

APPROVED

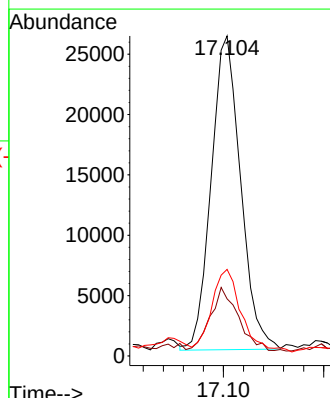
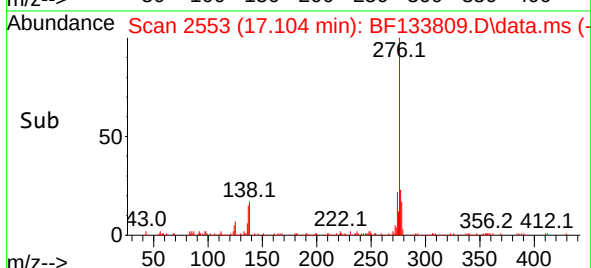
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

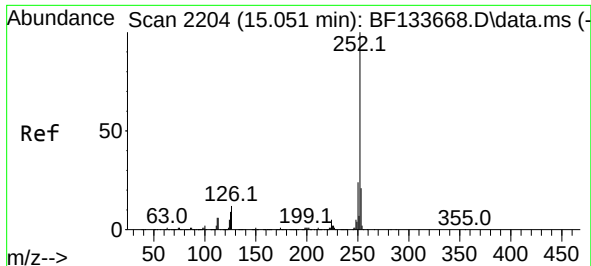


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.802 ng
RT: 17.104 min Scan# 2553
Delta R.T. -0.012 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26



Tgt Ion:276 Resp: 52903
Ion Ratio Lower Upper
276 100
138 19.0 17.9 26.9
277 26.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 17.528 ng m
RT: 15.110 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

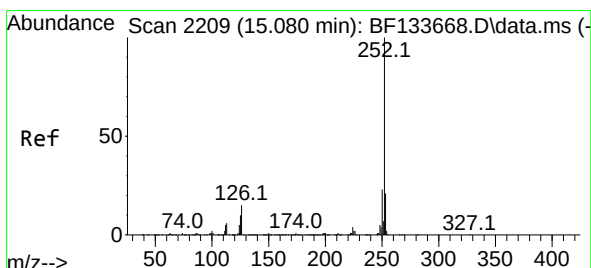
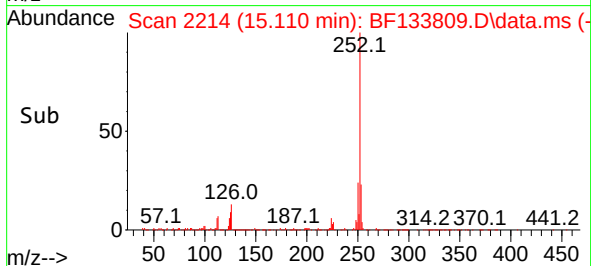
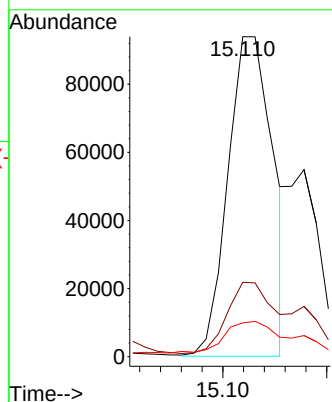
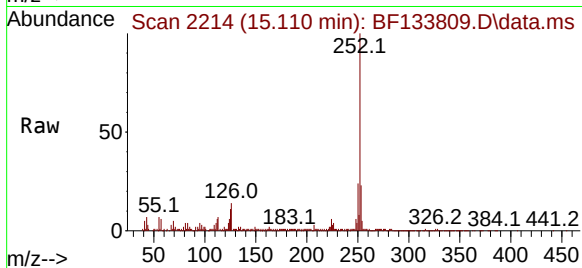
OR-03-061323DL

Tgt Ion:252 Resp: 141115
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.6 7.3 10.9

Manual Integrations

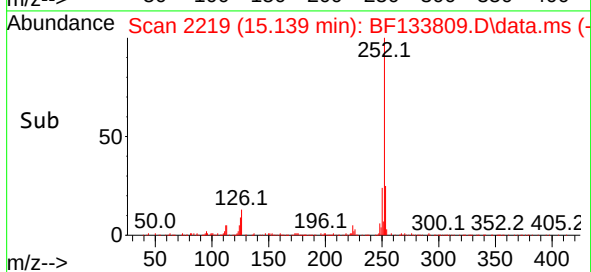
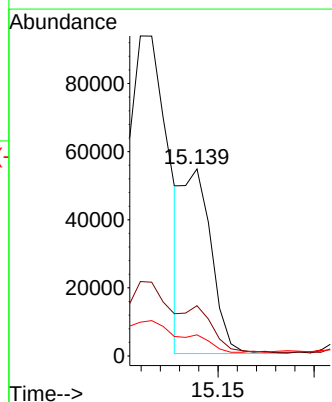
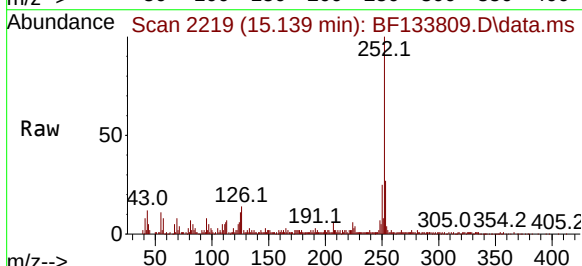
APPROVED

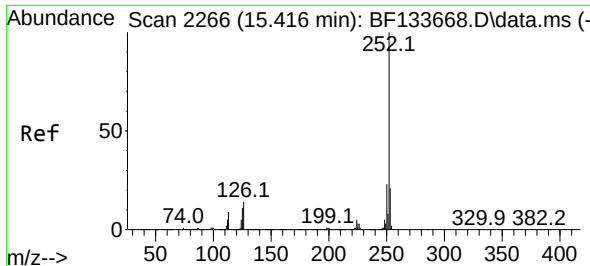
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#89
Benzo(k)fluoranthene
Concen: 7.223 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Tgt Ion:252 Resp: 56644
Ion Ratio Lower Upper
252 100
253 26.8 17.0 25.4#
125 11.3 7.8 11.6





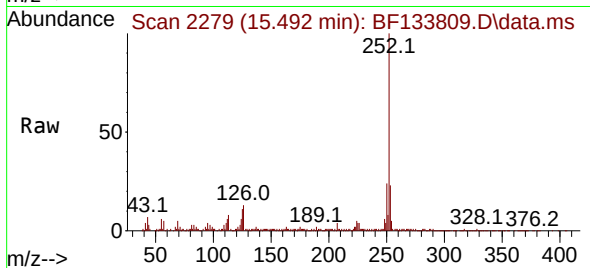
#90
Benzo(a)pyrene
Concen: 14.377 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061323DL

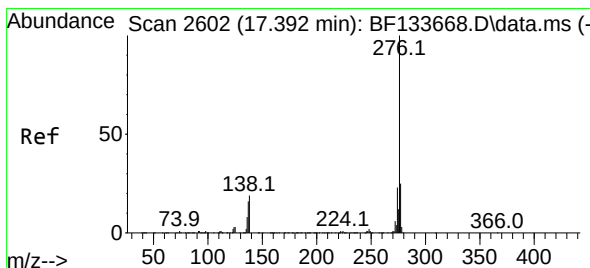
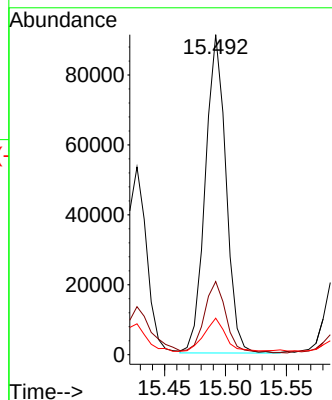
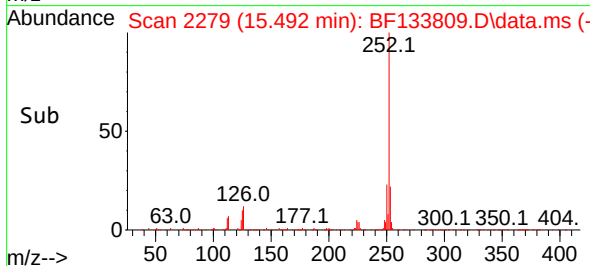


Tgt Ion:252 Resp: 10741
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.4 8.6 13.0

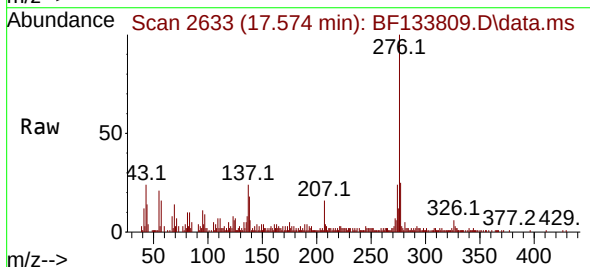
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#92
Benzo(g,h,i)perylene
Concen: 6.577 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.018 min
Lab File: BF133809.D
Acq: 16 Jun 2023 16:26



Tgt Ion:276 Resp: 49223
Ion Ratio Lower Upper
276 100
277 25.0 19.8 29.8
138 24.0 15.0 22.4#

