

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133964.D
 Acq On : 26 Jun 2023 21:36
 Operator : CG\JU
 Sample : 03367-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-062123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 26 23:31:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	115567	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	382370	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	160680	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	312014	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175564	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	147470	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	547742	79.283	ng	0.00
7) Phenol-d6	6.487	99	613503	72.208	ng	0.00
23) Nitrobenzene-d5	7.410	82	390024	54.984	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	143428	71.194	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	643968	58.269	ng	0.00
79) Terphenyl-d14	12.980	244	669324	61.358	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.922	154	38904	4.162	ng	99
55) Dibenzofuran	10.092	168	38203	2.615	ng	97
58) Fluorene	10.439	166	58870	5.180	ng	98
71) Phenanthrene	11.410	178	448469	28.552	ng	99
72) Anthracene	11.457	178	143589	8.789	ng	98
73) Carbazole	11.616	167	38259	2.558	ng	# 95
75) Fluoranthene	12.610	202	811552	47.792	ng	98
78) Pyrene	12.839	202	737075	45.112	ng	99
81) Benzo(a)anthracene	14.033	228	294489	24.187	ng	97
83) Chrysene	14.074	228	254029	21.541	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	108925	10.645	ng	95
88) Benzo(b)fluoranthene	15.110	252	268835m	31.003	ng	
89) Benzo(k)fluoranthene	15.139	252	96716m	10.955	ng	
90) Benzo(a)pyrene	15.492	252	199880	23.838	ng	94
91) Dibenzo(a,h)anthracene	17.115	278	26728	3.198	ng	# 71
92) Benzo(g,h,i)perylene	17.580	276	108178	12.551	ng	99

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

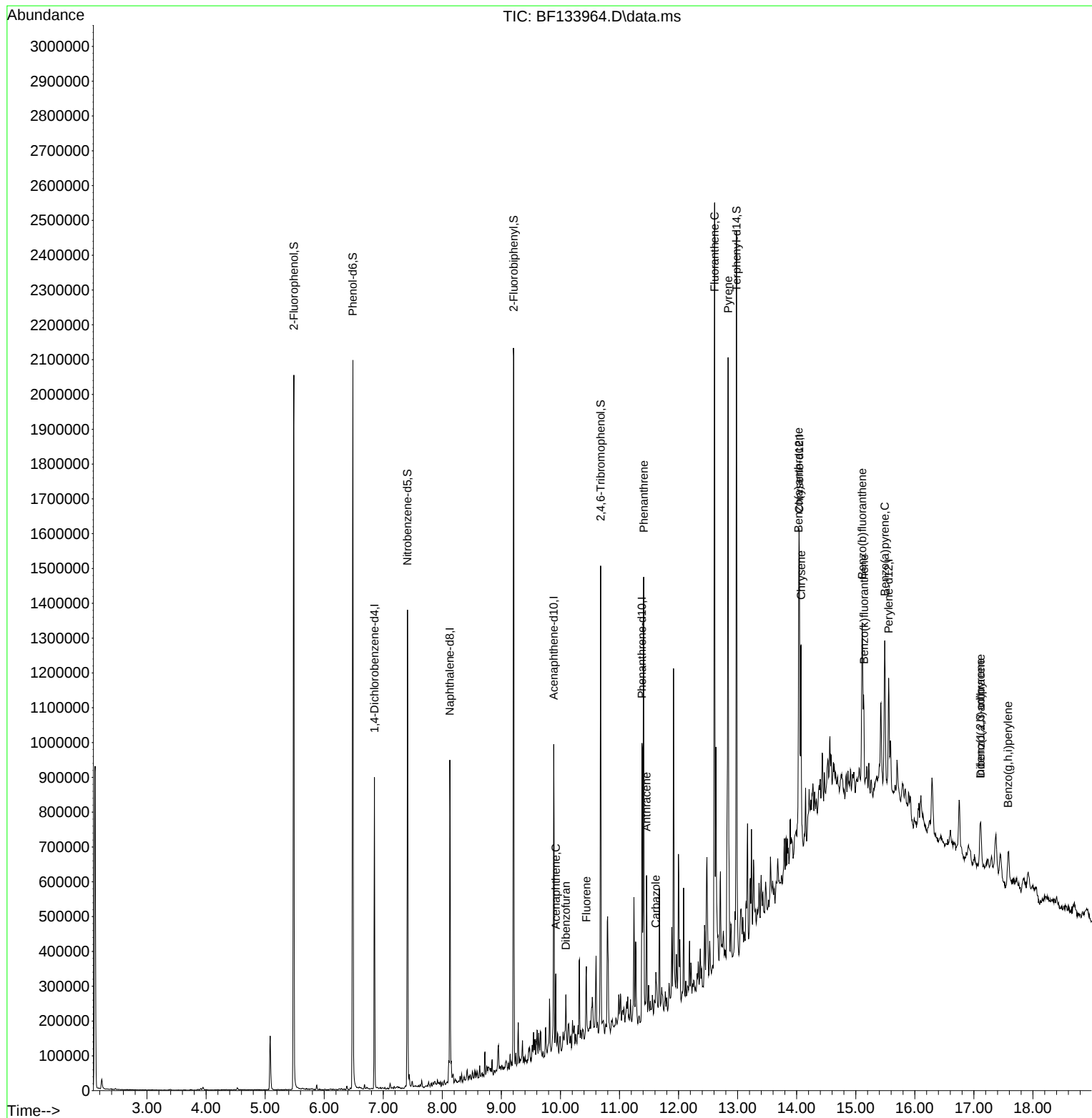
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
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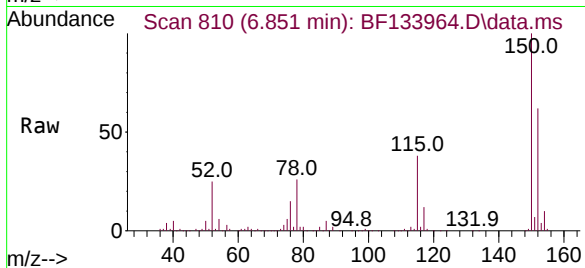
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

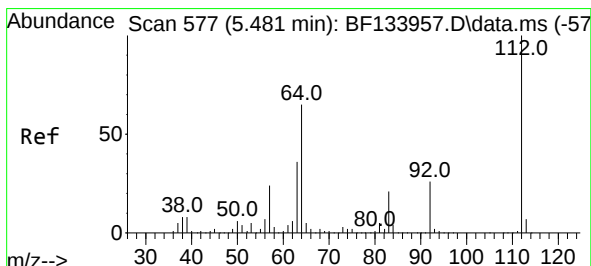
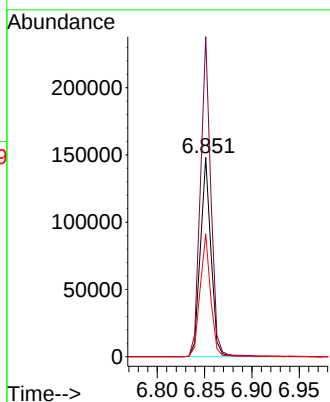
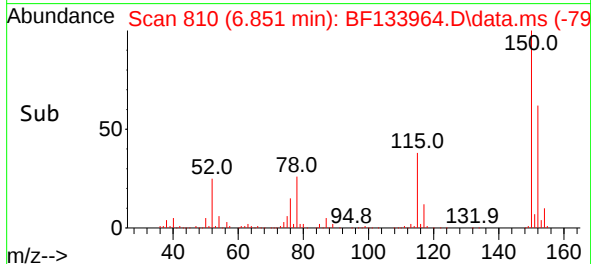
Instrument :
BNA_F
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EO-3-062123



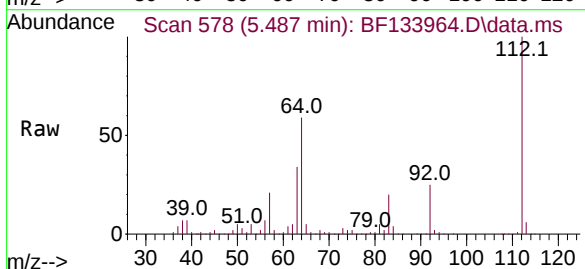
Tgt Ion:152 Resp: 11556
Ion Ratio Lower Upper
152 100
150 160.6 124.5 186.7
115 61.6 50.2 75.2

Manual Integrations
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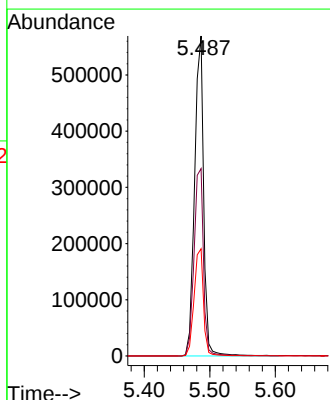
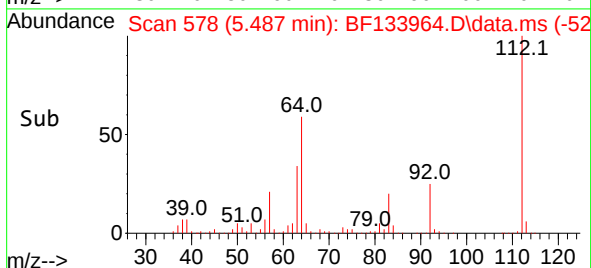
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 79.283 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36



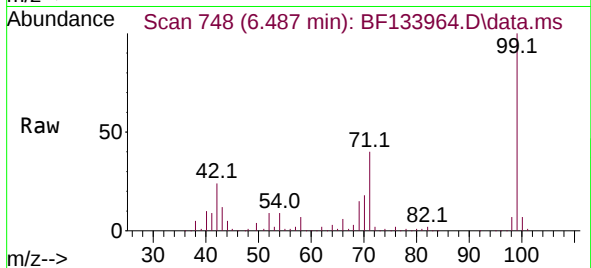
Tgt Ion:112 Resp: 547742
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 33.5 28.6 42.8





#7
Phenol-d6
Concen: 72.208 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

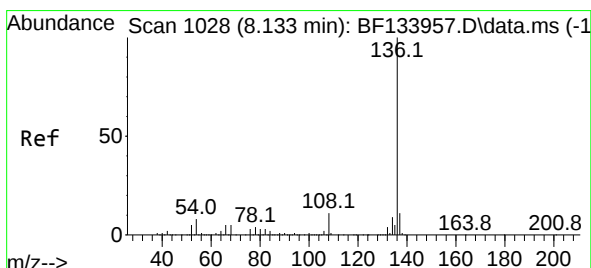
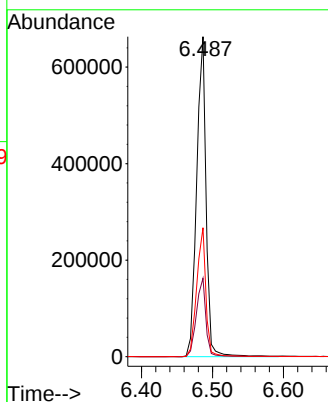
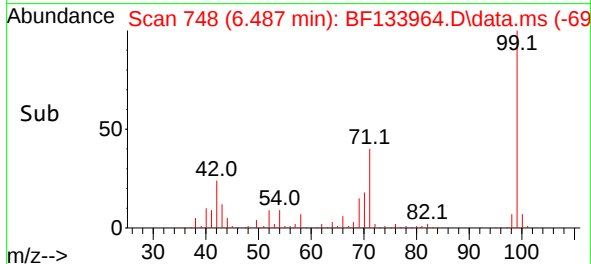
Instrument :
BNA_F
ClientSampleId :
EO-3-062123



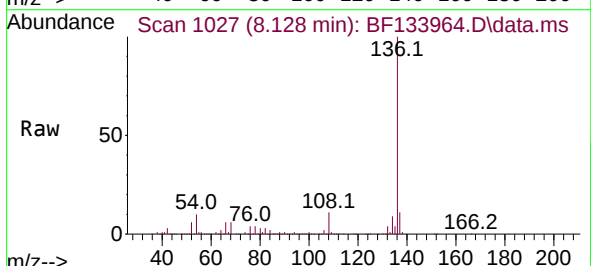
Tgt Ion: 99 Resp: 613500
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 40.3 31.9 47.9

Manual Integrations
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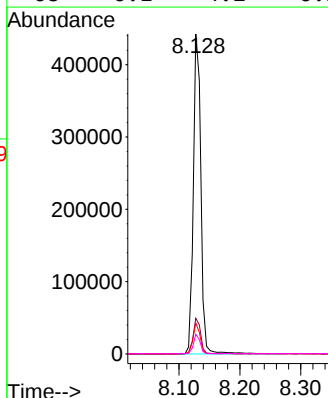
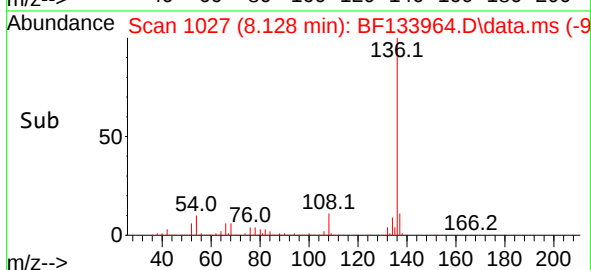
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023

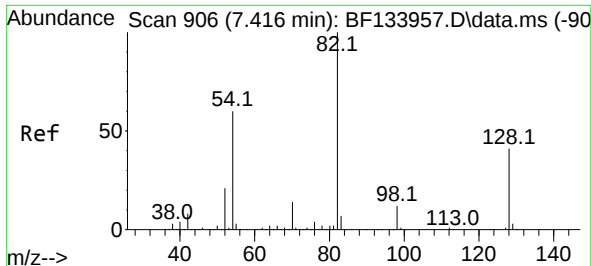


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36



Tgt Ion:136 Resp: 382370
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.7 6.5 9.7
68 6.1 4.2 6.2





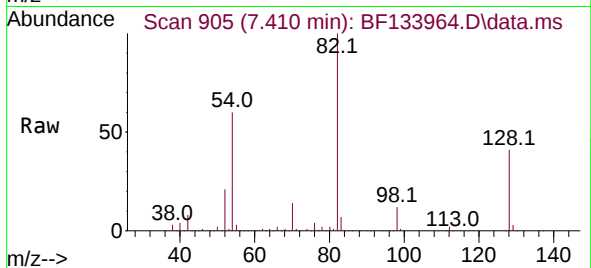
#23
Nitrobenzene-d5
Concen: 54.984 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

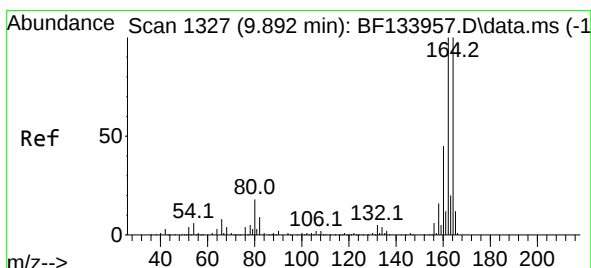
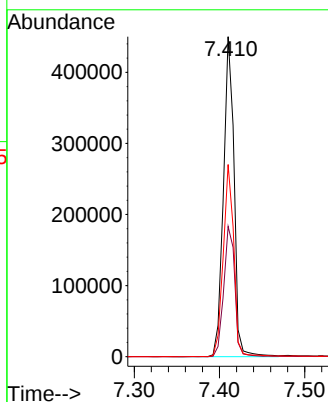
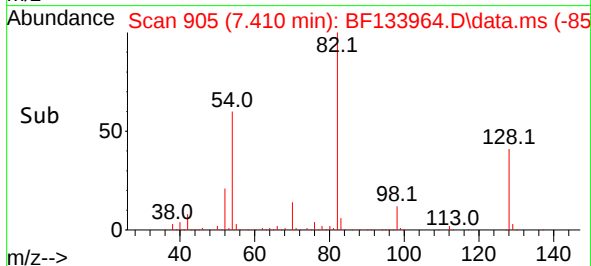
EO-3-062123



Tgt Ion: 82 Resp: 390024
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 60.0 48.2 72.2

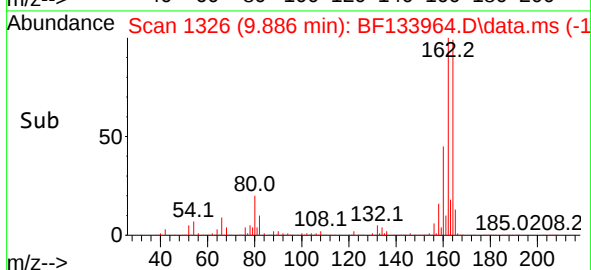
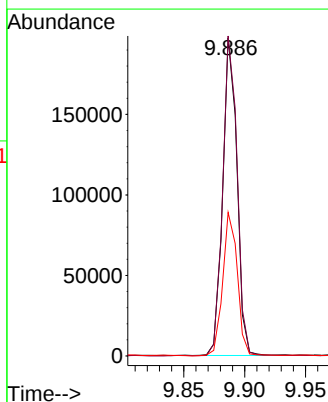
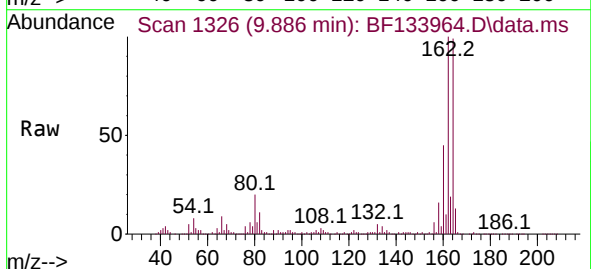
Manual Integrations
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Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:164 Resp: 160680
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 45.1 35.9 53.9





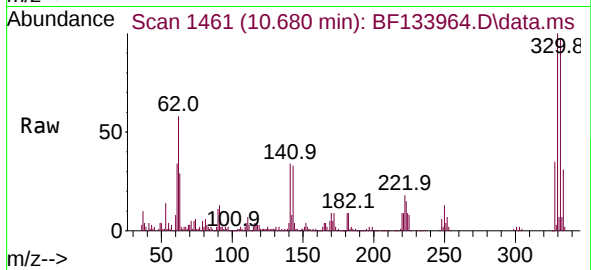
#42
2,4,6-Tribromophenol
Concen: 71.194 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123



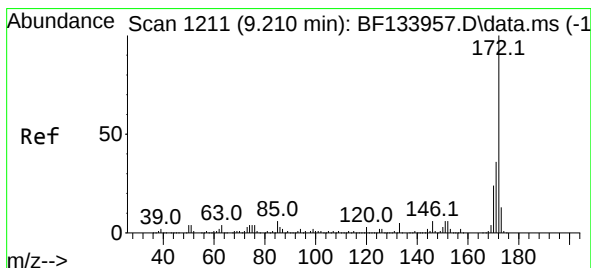
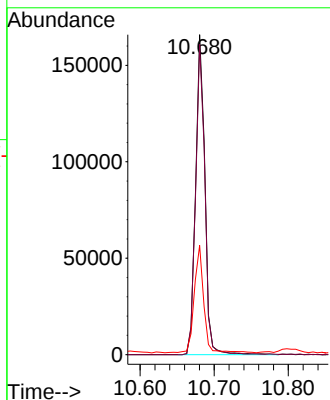
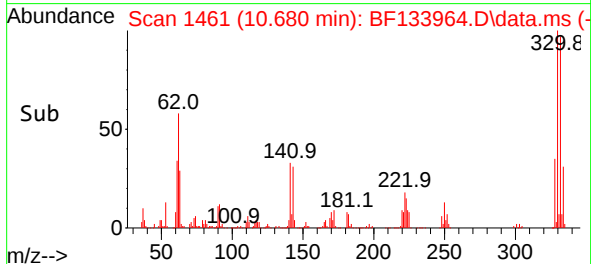
Tgt Ion:330 Resp: 143428
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 34.6 26.3 39.5

Manual Integrations

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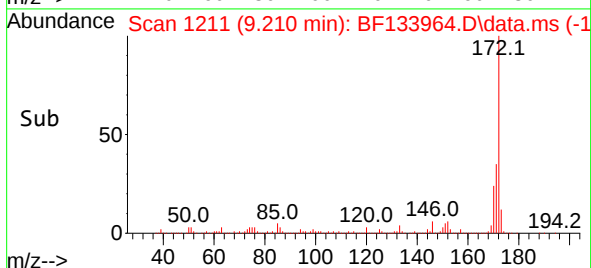
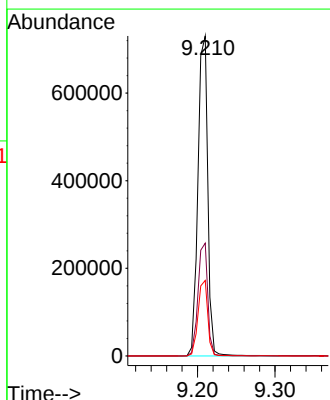
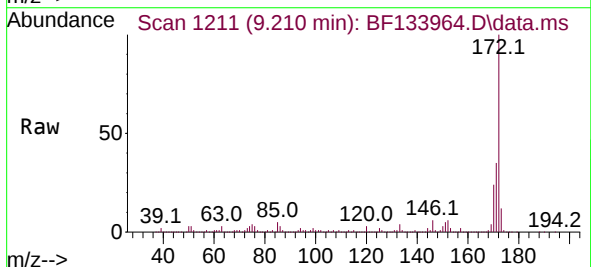
Reviewed By :Yogesh Patel 06/27/2023

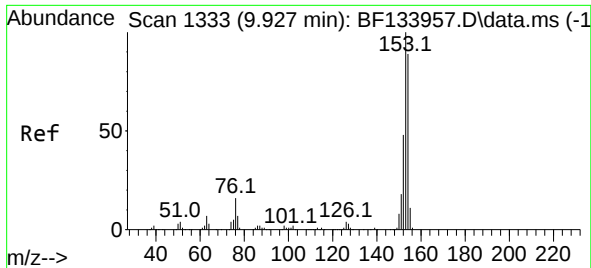
Supervised By :mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 58.269 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:172 Resp: 643968
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.6 19.4 29.0





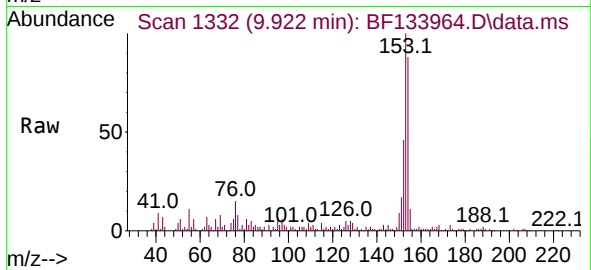
#52
Acenaphthene
Concen: 4.162 ng
RT: 9.922 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123



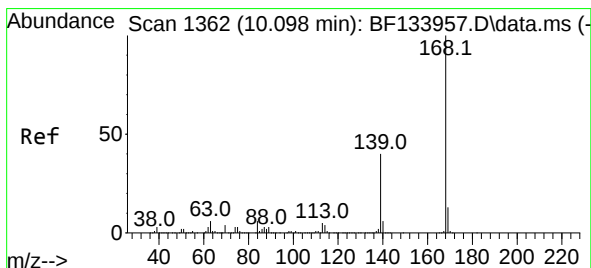
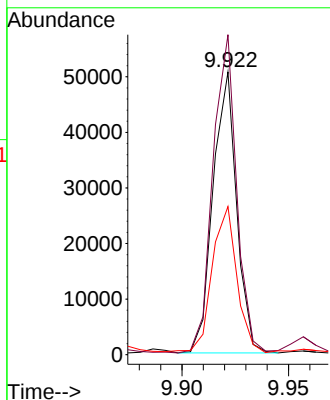
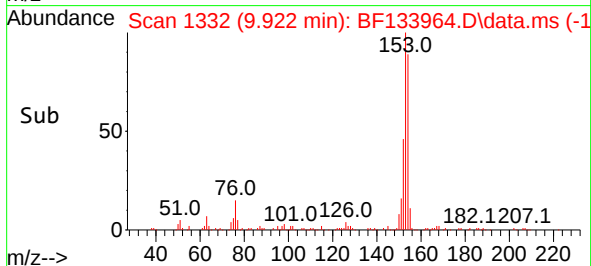
Tgt Ion:154 Resp: 38904
Ion Ratio Lower Upper
154 100
153 113.2 89.4 134.2
152 52.4 42.8 64.2

Manual Integrations

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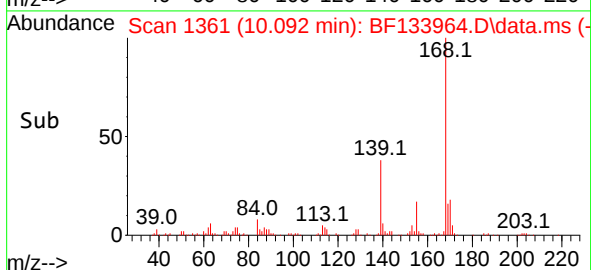
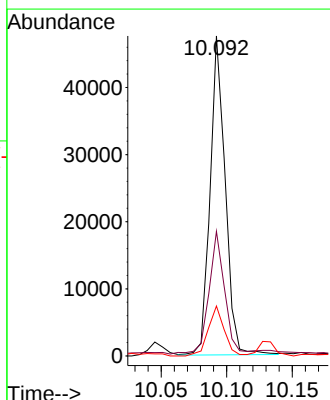
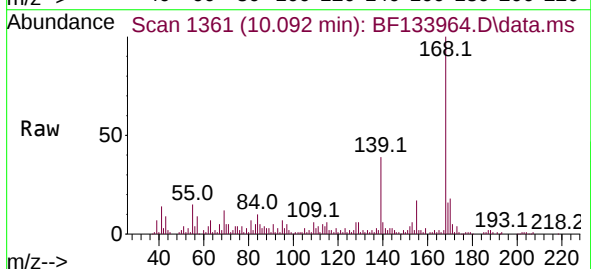
Reviewed By :Yogesh Patel 06/27/2023

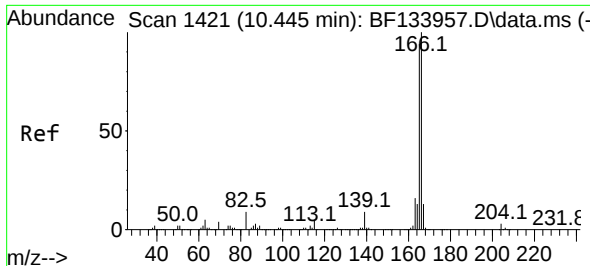
Supervised By :mohammad ahmed 06/29/2023



#55
Dibenzofuran
Concen: 2.615 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

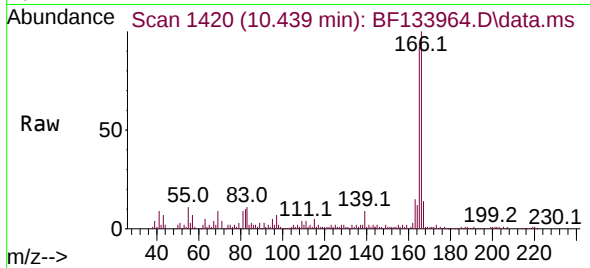
Tgt Ion:168 Resp: 38203
Ion Ratio Lower Upper
168 100
139 39.0 32.0 48.0
169 15.6 10.6 16.0





#58
Fluorene
Concen: 5.180 ng
RT: 10.439 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

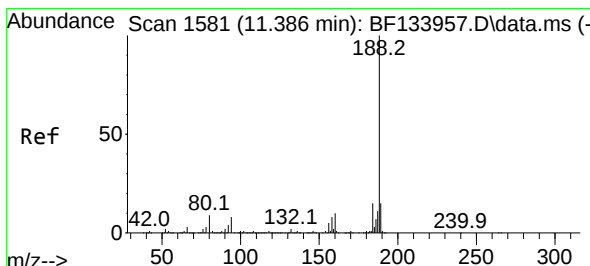
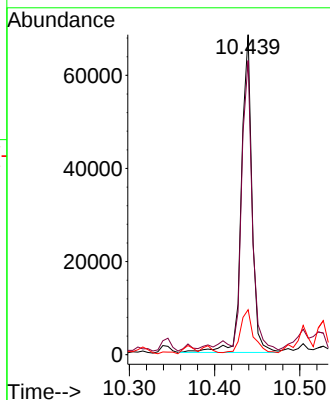
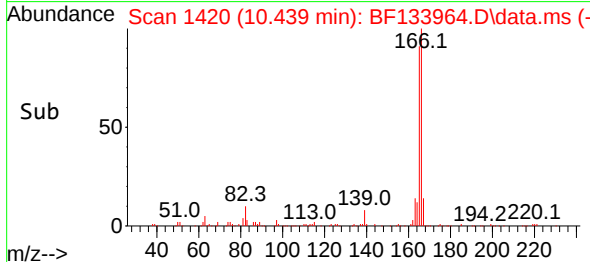
Instrument :
BNA_F
ClientSampleId :
EO-3-062123



Tgt Ion:166 Resp: 58870
Ion Ratio Lower Upper
166 100
165 92.0 75.0 112.4
167 14.1 10.6 15.8

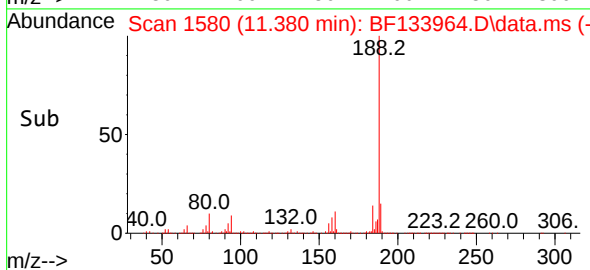
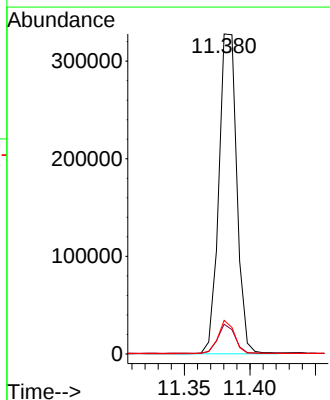
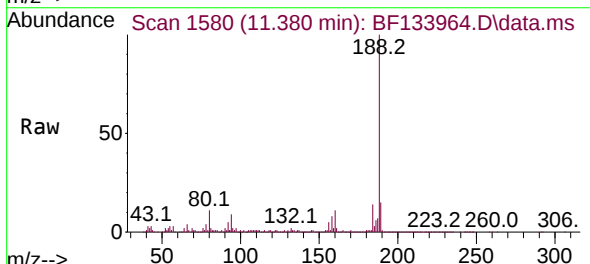
Manual Integrations
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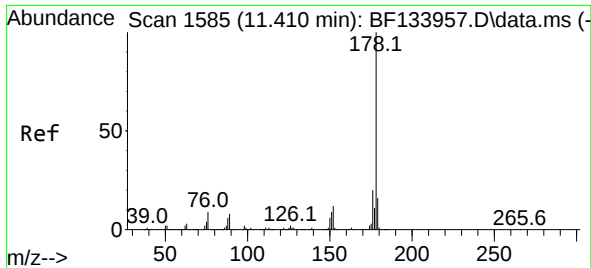
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

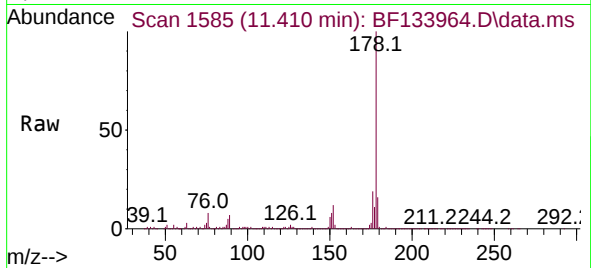
Tgt Ion:188 Resp: 312014
Ion Ratio Lower Upper
188 100
94 9.3 6.4 9.6
80 10.5 7.3 10.9





#71
Phenanthrene
Concen: 28.552 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

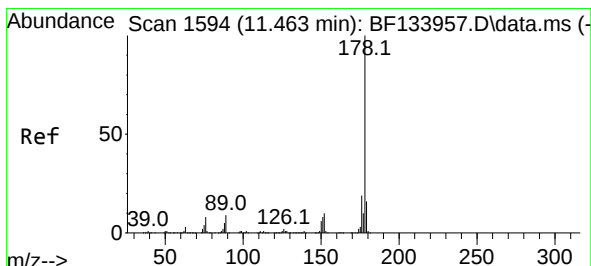
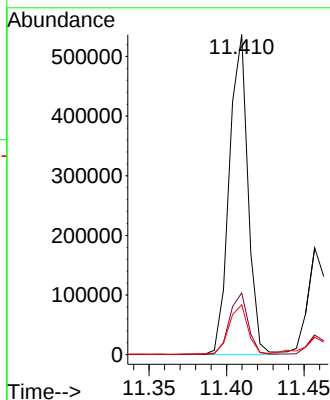
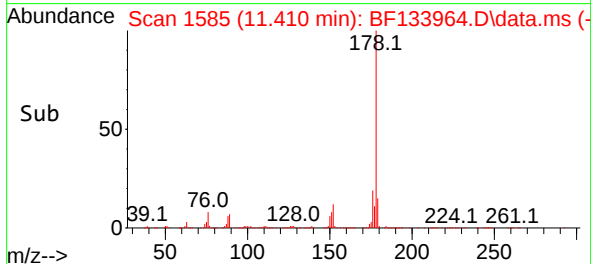
Instrument :
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EO-3-062123



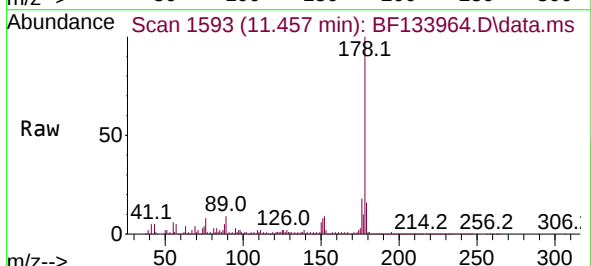
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Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.6 12.4 18.6

Manual Integrations
APPROVED

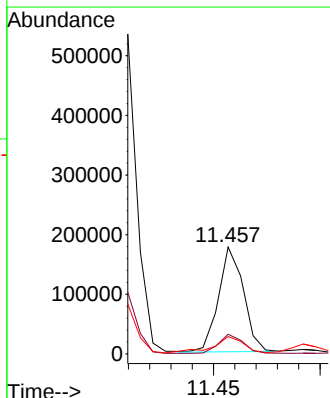
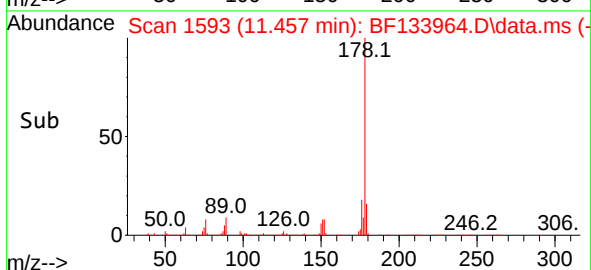
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023

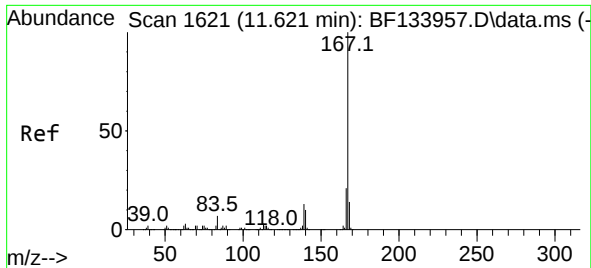


#72
Anthracene
Concen: 8.789 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36



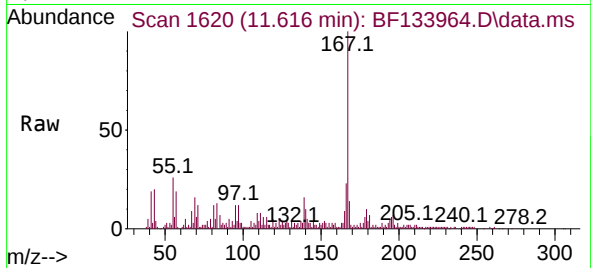
Tgt Ion:178 Resp: 143589
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 16.3 12.4 18.6





#73
 Carbazole
 Concen: 2.558 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36

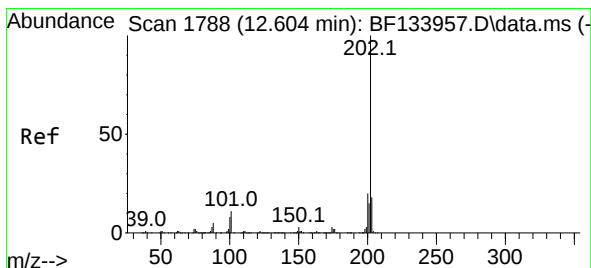
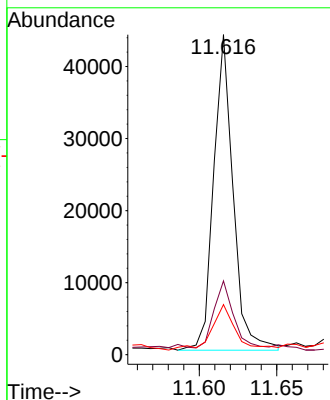
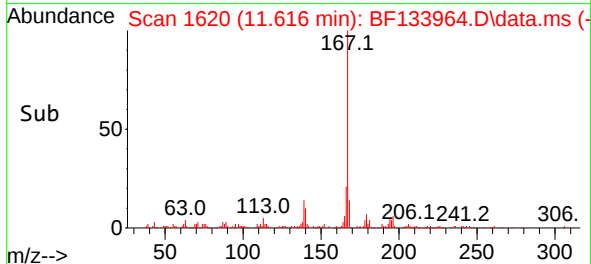
Instrument : BNA_F
 ClientSampleId : EO-3-062123



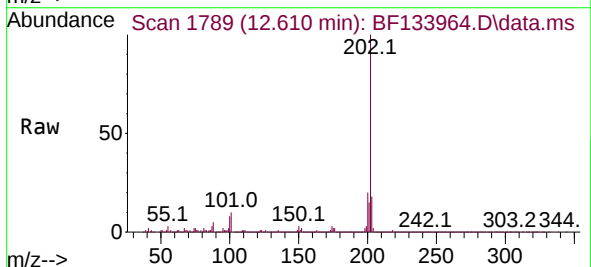
Tgt Ion:167 Resp: 3825
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.0 25.6
 139 15.7 10.4 15.6

Manual Integrations
 APPROVED

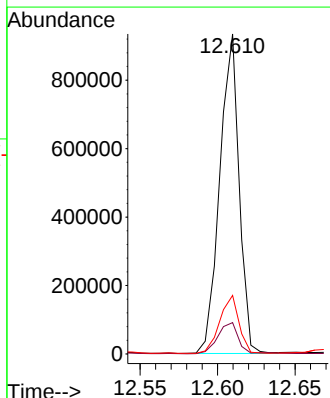
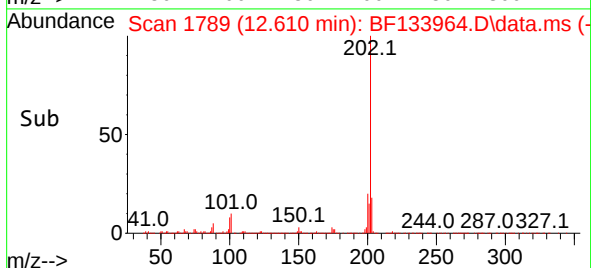
Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/29/2023

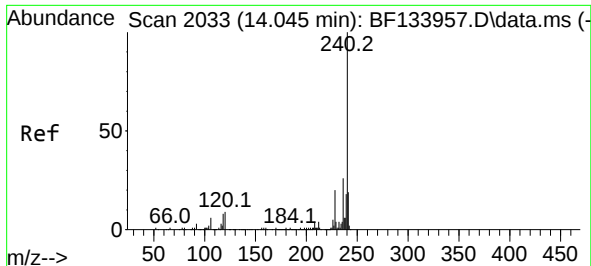


#75
 Fluoranthene
 Concen: 47.792 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36



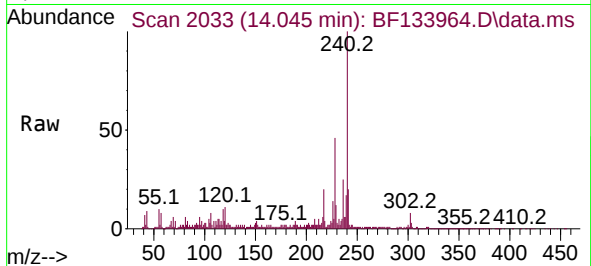
Tgt Ion:202 Resp: 811552
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.0
 203 18.3 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

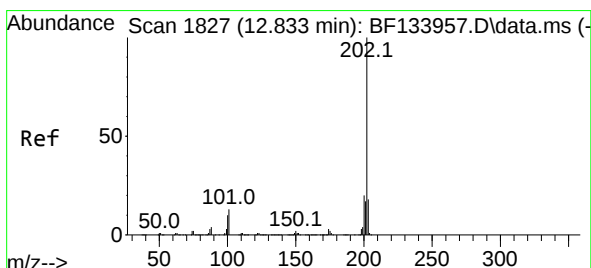
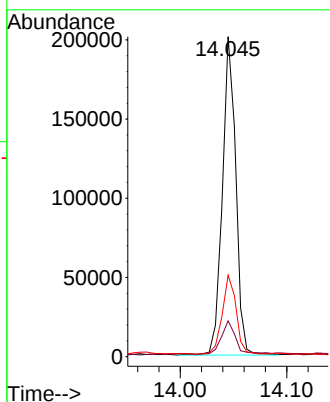
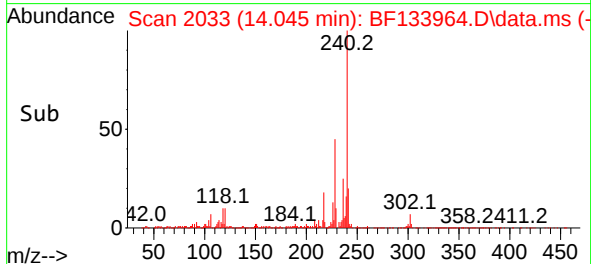
Instrument :
BNA_F
ClientSampleId :
EO-3-062123



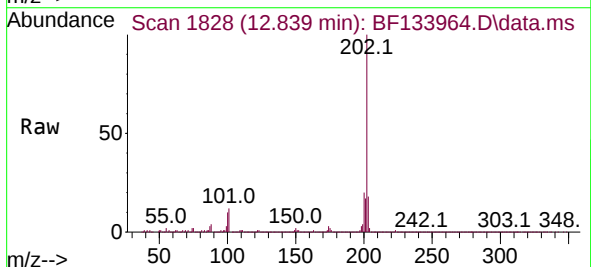
Tgt Ion:240 Resp: 175564
Ion Ratio Lower Upper
240 100
120 11.2 7.4 11.0
236 25.5 21.0 31.6

Manual Integrations
APPROVED

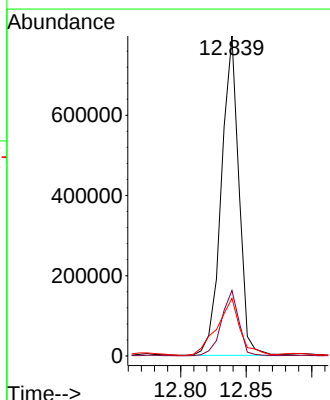
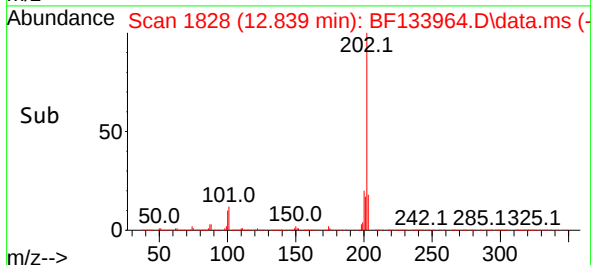
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023

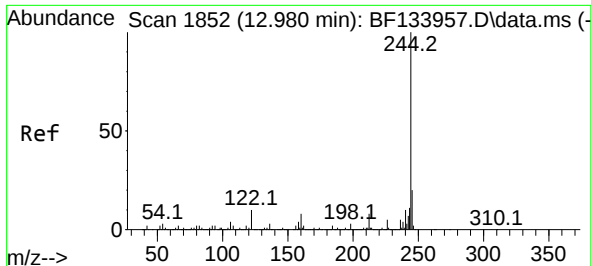


#78
Pyrene
Concen: 45.112 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36



Tgt Ion:202 Resp: 737075
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 18.0 14.3 21.5





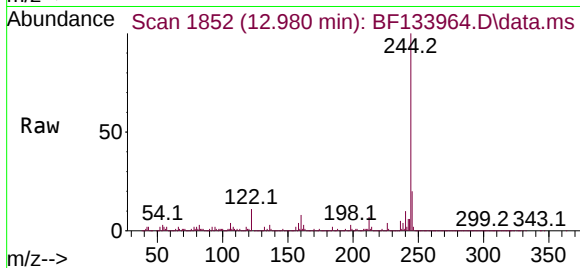
#79
 Terphenyl-d14
 Concen: 61.358 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

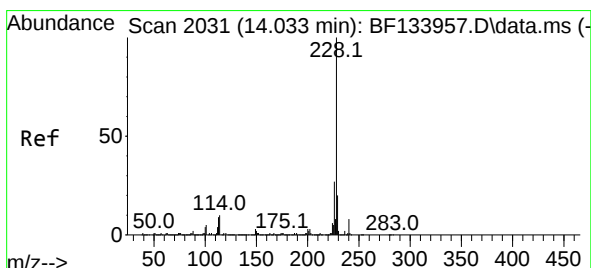
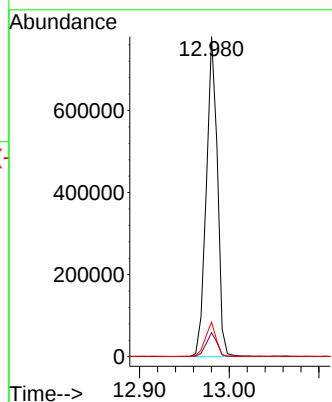
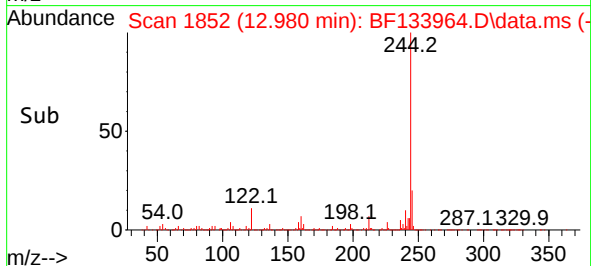


Tgt Ion:244 Resp: 669324
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 10.8 8.3 12.5

Manual Integrations

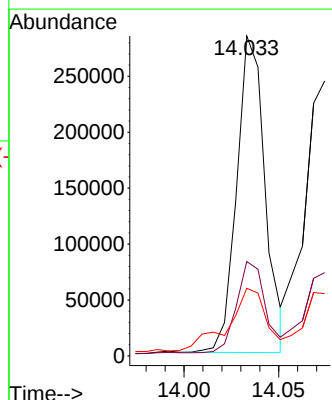
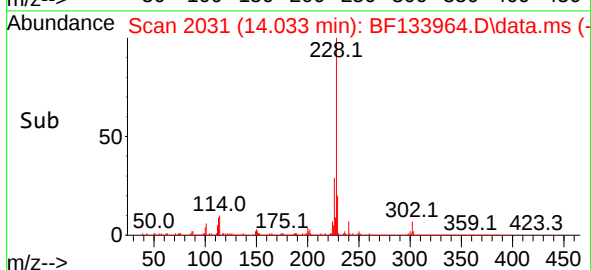
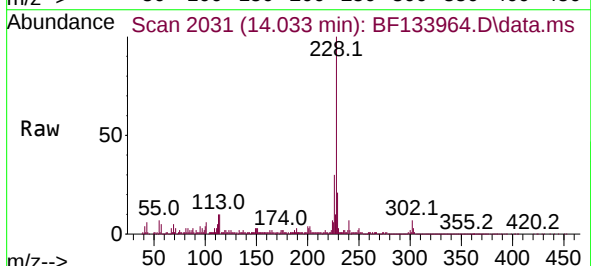
APPROVED

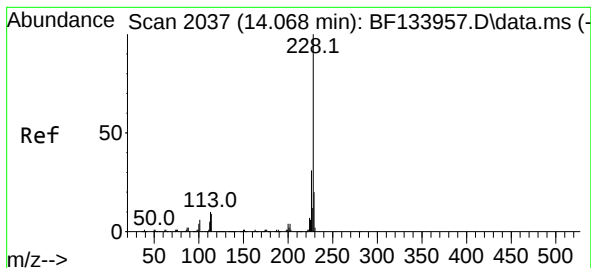
Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/29/2023



#81
 Benzo(a)anthracene
 Concen: 24.187 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36

Tgt Ion:228 Resp: 294489
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.0 33.0
 229 21.2 16.3 24.5





#83

Chrysene

Concen: 21.541 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

Tgt Ion:228 Resp: 254029

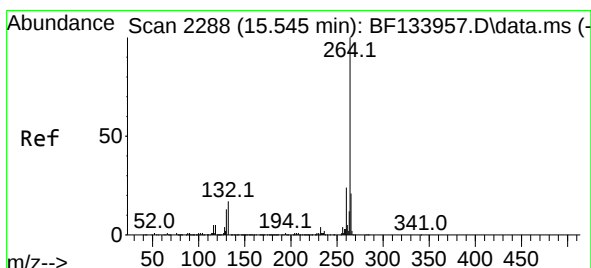
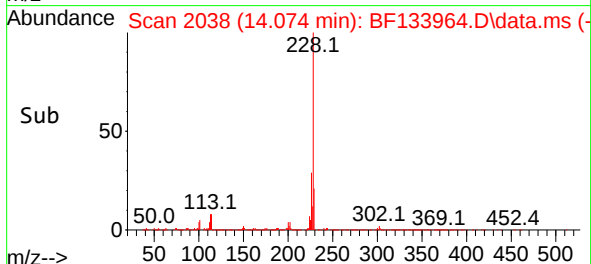
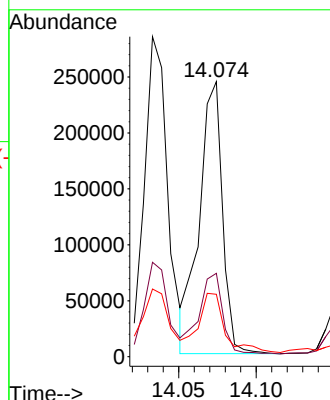
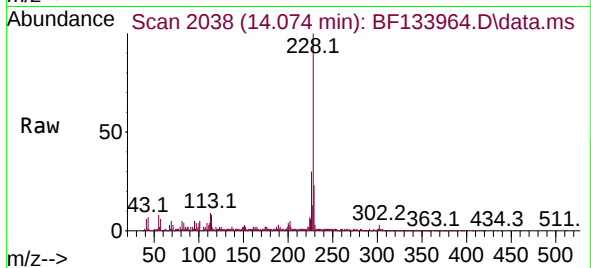
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	22.7	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/29/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

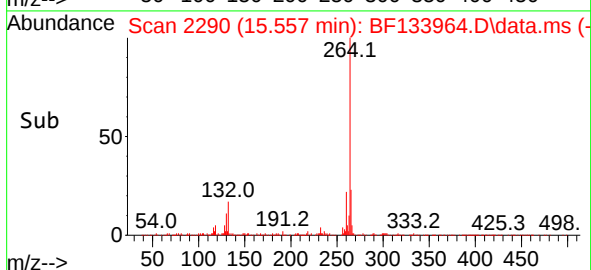
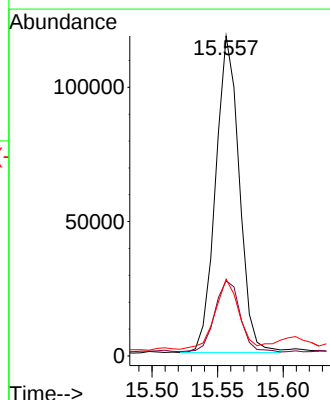
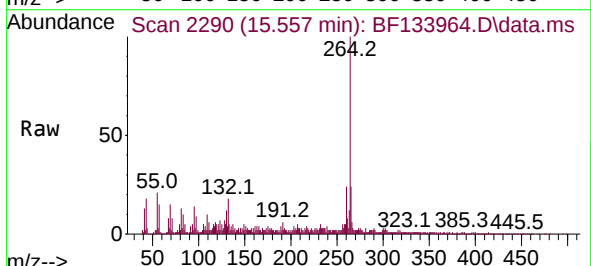
Delta R.T. 0.012 min

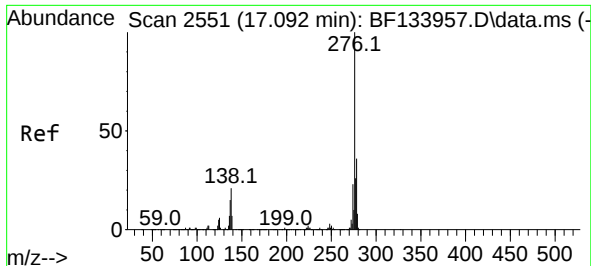
Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Tgt Ion:264 Resp: 147470

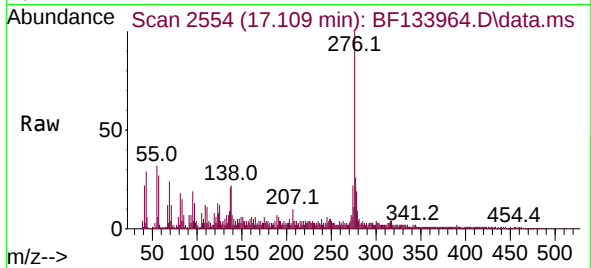
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	24.0	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.645 ng
RT: 17.109 min Scan# 2114
Delta R.T. 0.018 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

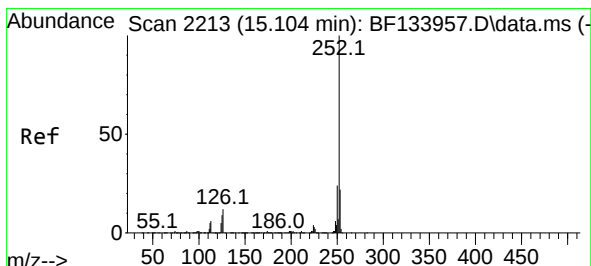
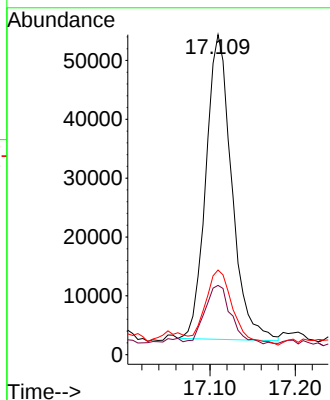
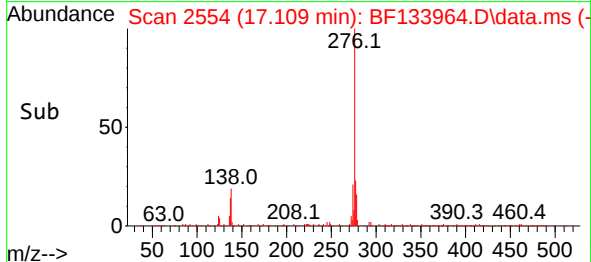
Instrument :
BNA_F
ClientSampleId :
EO-3-062123



Tgt Ion:276 Resp: 108925
Ion Ratio Lower Upper
276 100
138 20.2 18.7 28.1
277 26.6 19.9 29.9

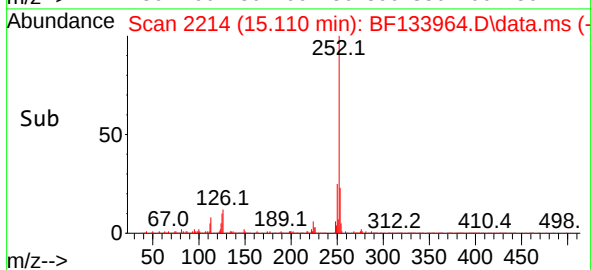
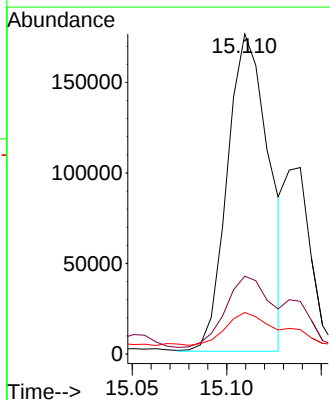
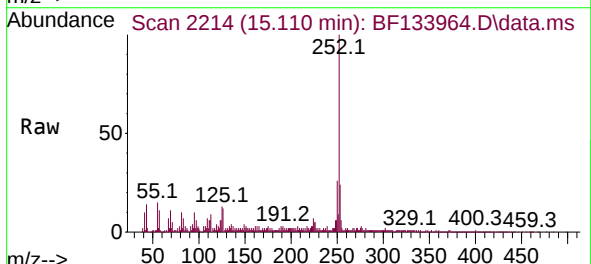
Manual Integrations
APPROVED

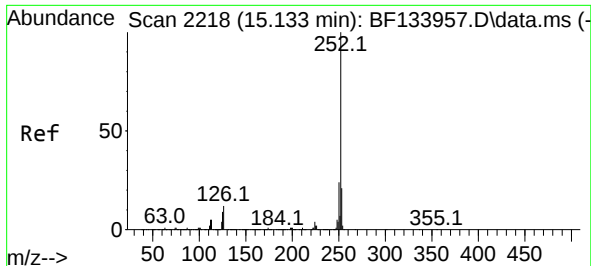
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023



#88
Benzo(b)fluoranthene
Concen: 31.003 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:252 Resp: 268835
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 13.0 7.1 10.7#





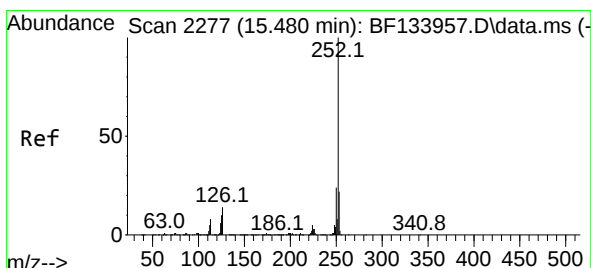
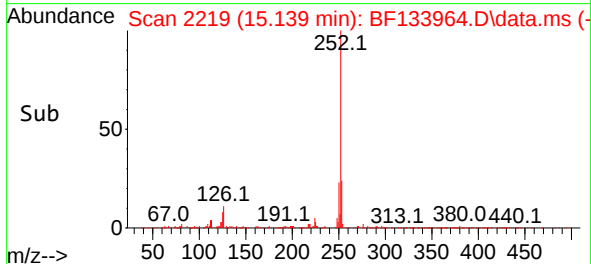
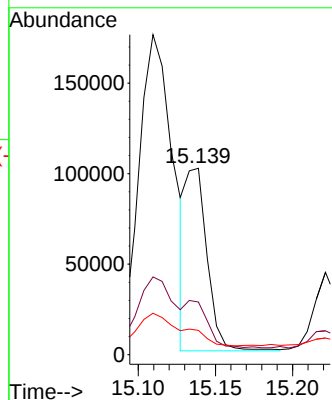
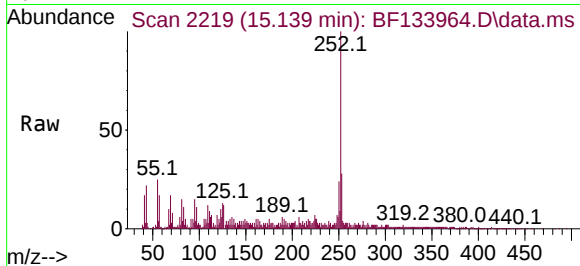
#89
Benzo(k)fluoranthene
Concen: 10.955 ng m
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :
BNA_F
ClientSampleId :
EO-3-062123

Tgt Ion:252 Resp: 96710
Ion Ratio Lower Upper
252 100
253 28.2 16.9 25.3
125 13.0 7.4 11.2

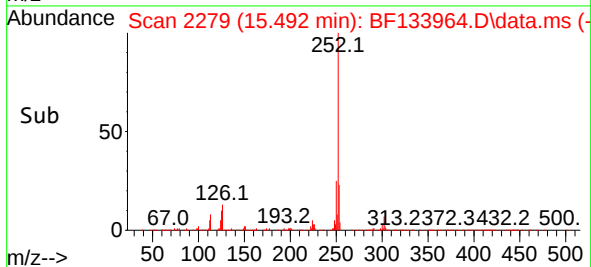
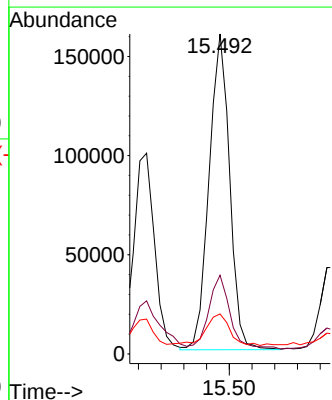
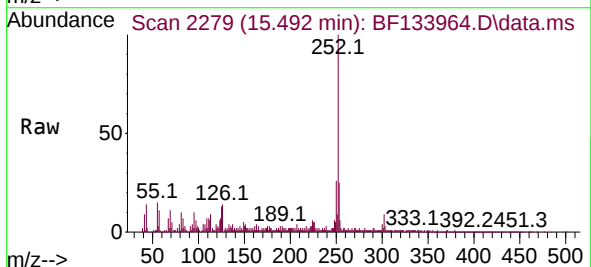
Manual Integrations
APPROVED

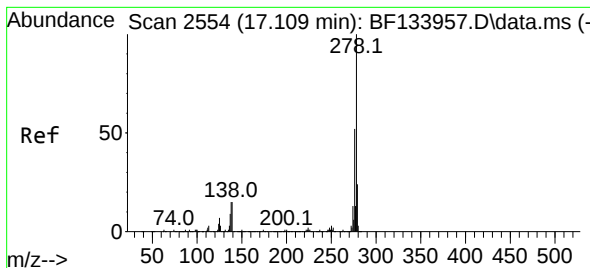
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 23.838 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:252 Resp: 199880
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 12.5 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.198 ng

RT: 17.115 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

Tgt Ion:278 Resp: 26728

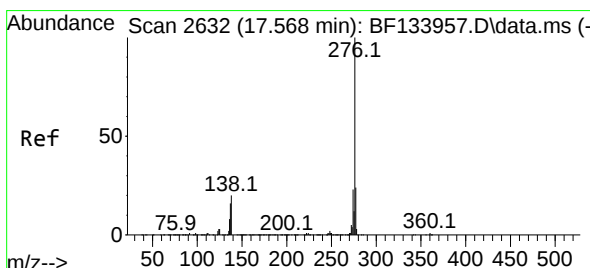
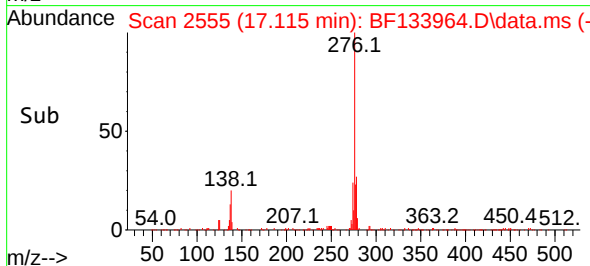
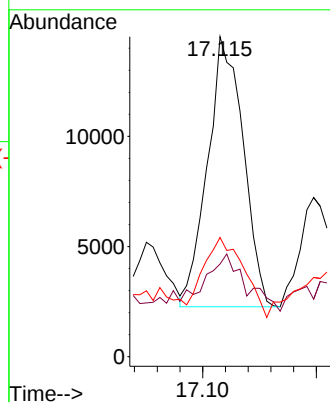
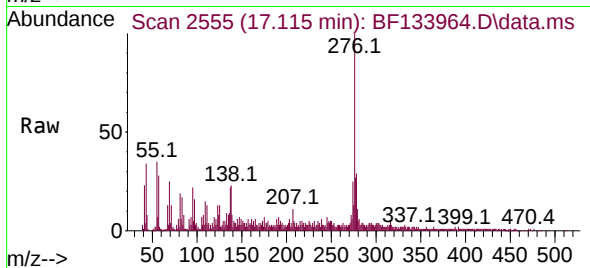
Ion	Ratio	Lower	Upper
278	100		
139	29.0	12.2	18.4
279	37.3	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 12.551 ng

RT: 17.580 min Scan# 2634

Delta R.T. 0.012 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Tgt Ion:276 Resp: 108178

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	20.5	16.2	24.2

