

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133864.D
 Acq On : 20 Jun 2023 19:27
 Operator : CG\JU
 Sample : 03223-07RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 21 00:14:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	88264	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	305145	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	128423	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	265496	20.000	ng	0.00
76) Chrysene-d12	14.051	240	180434	20.000	ng	0.00
86) Perylene-d12	15.563	264	134449	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	265651	52.396	ng	0.00
7) Phenol-d6	6.493	99	302054	45.770	ng	0.00
23) Nitrobenzene-d5	7.416	82	196496	35.073	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	73696	45.334	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	368845	40.827	ng	0.00
79) Terphenyl-d14	12.986	244	423734	36.338	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	118370	8.788	ng	98
75) Fluoranthene	12.610	202	234344	16.383	ng	100
78) Pyrene	12.839	202	214831	12.781	ng	98
81) Benzo(a)anthracene	14.039	228	94674	7.586	ng	95
83) Chrysene	14.074	228	91126	7.720	ng	95
87) Indeno(1,2,3-cd)pyrene	17.110	276	40146	4.340	ng	96
88) Benzo(b)fluoranthene	15.110	252	85973m	10.527	ng	
89) Benzo(k)fluoranthene	15.139	252	36886m	4.636	ng	
90) Benzo(a)pyrene	15.492	252	60232	7.946	ng	# 91
92) Benzo(g,h,i)perylene	17.586	276	39228	5.167	ng	# 96

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

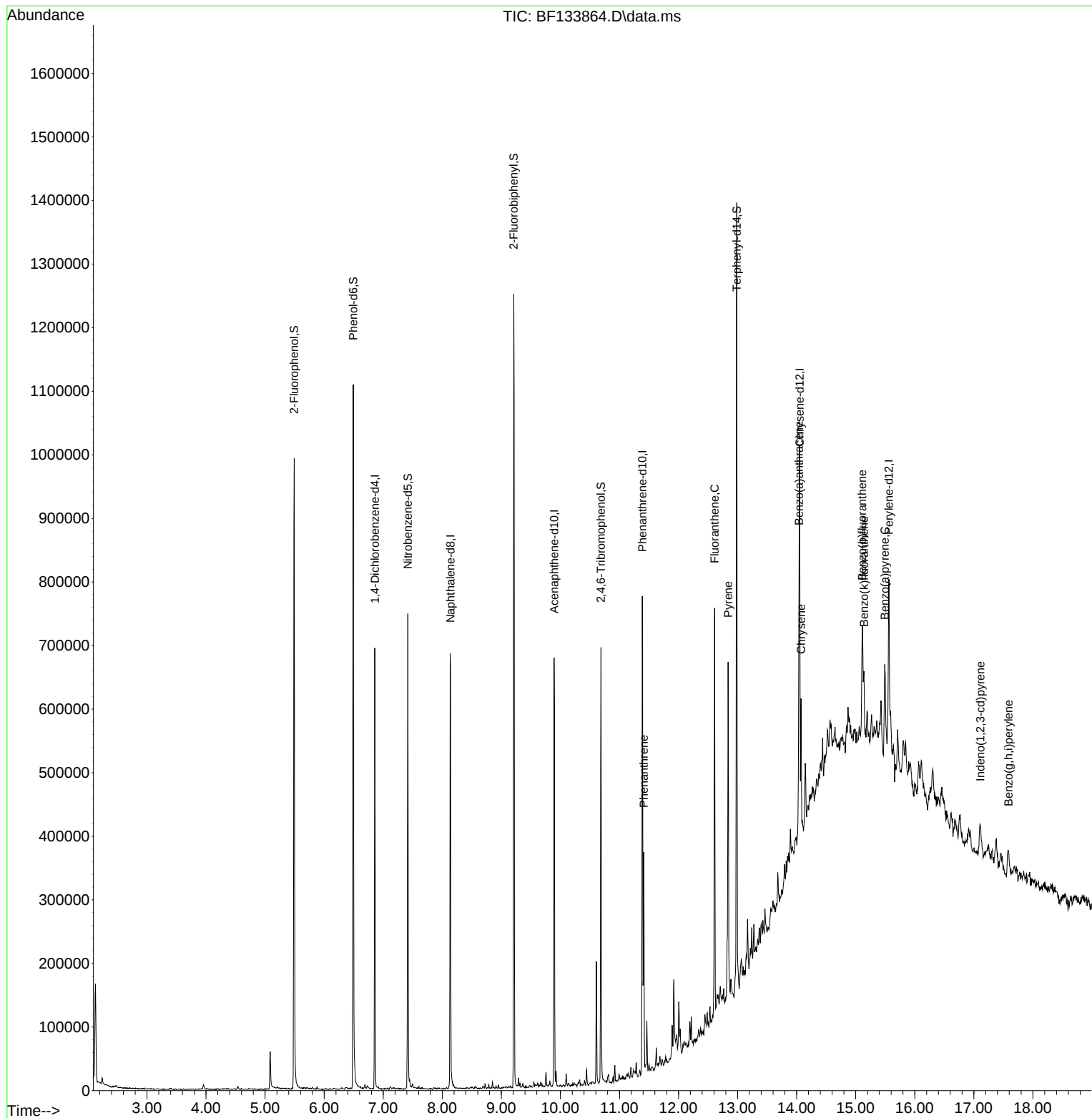
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133864.D
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ALS Vial : 22 Sample Multiplier: 1

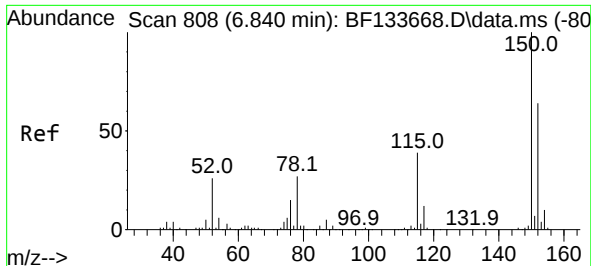
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Quant Time: Jun 21 00:14:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
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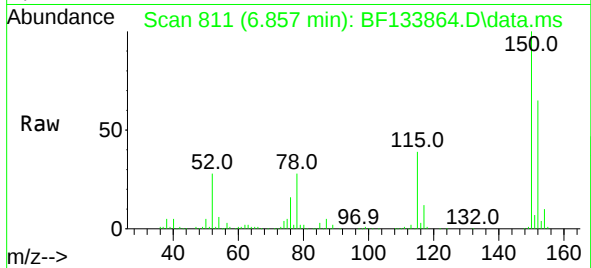
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

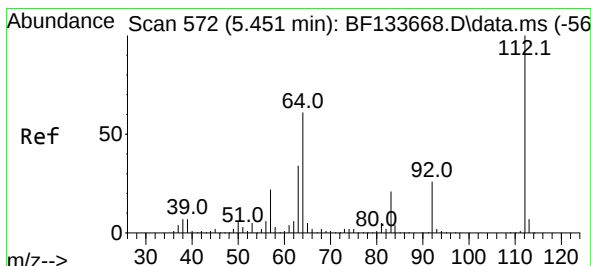
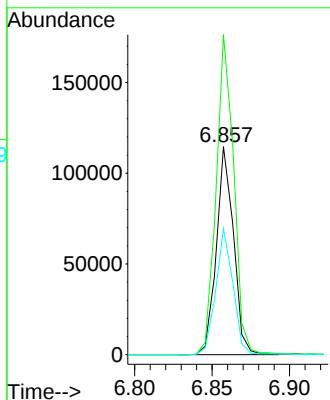
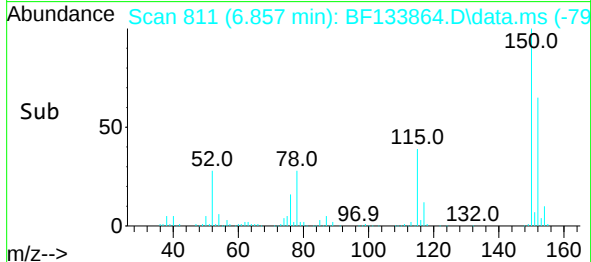
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



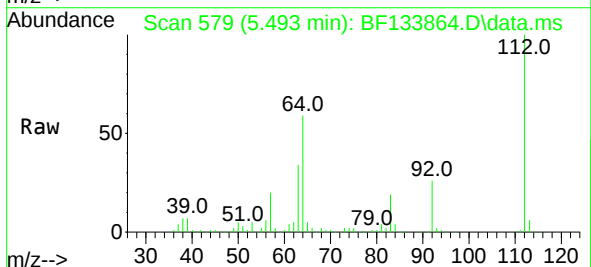
Tgt Ion:152 Resp: 88264
Ion Ratio Lower Upper
152 100
150 153.8 124.3 186.5
115 60.6 48.5 72.7

Manual Integrations
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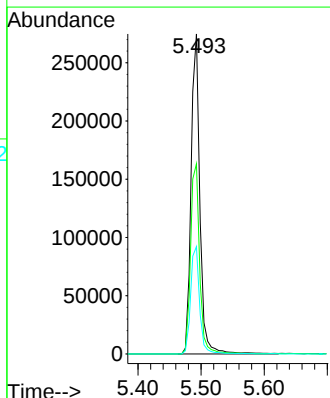
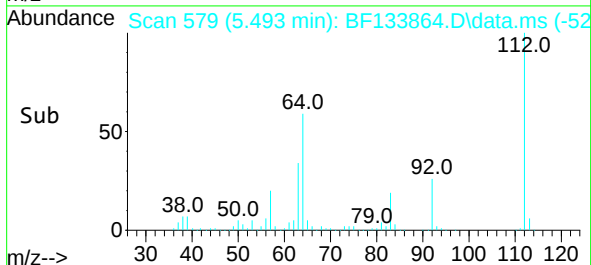
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

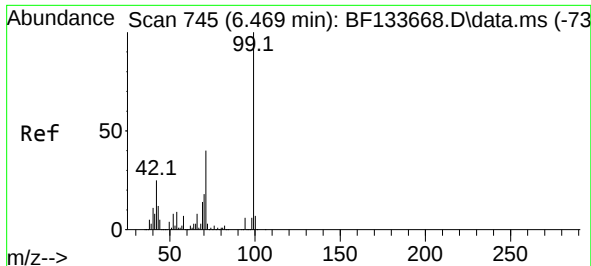


#5
2-Fluorophenol
Concen: 52.396 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



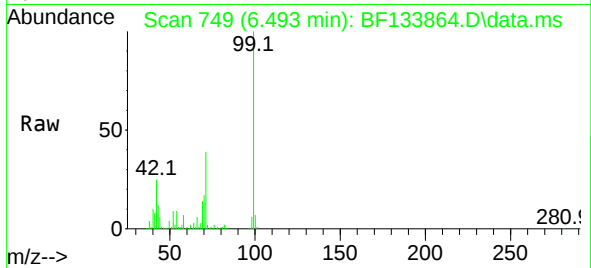
Tgt Ion:112 Resp: 265651
Ion Ratio Lower Upper
112 100
64 59.4 49.0 73.4
63 33.6 26.8 40.2





#7
Phenol-d6
Concen: 45.770 ng
RT: 6.493 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

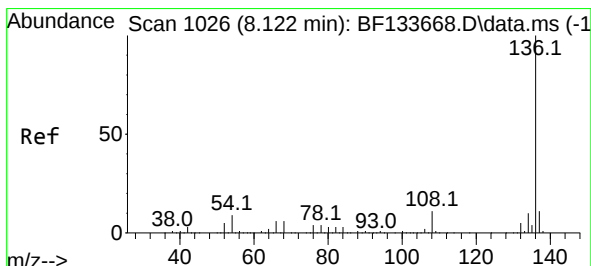
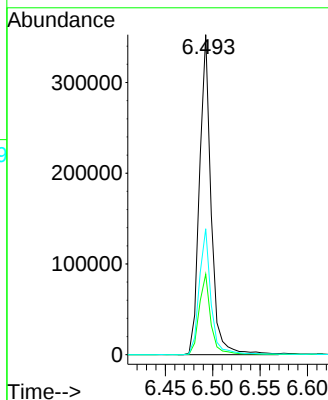
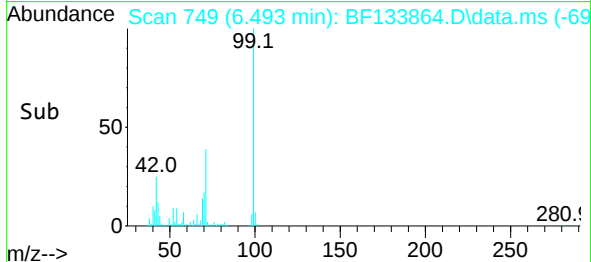
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



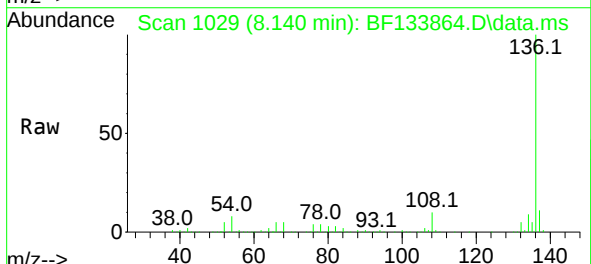
Tgt Ion: 99 Resp: 302054
Ion Ratio Lower Upper
99 100
42 25.2 19.9 29.9
71 39.4 32.2 48.4

Manual Integrations
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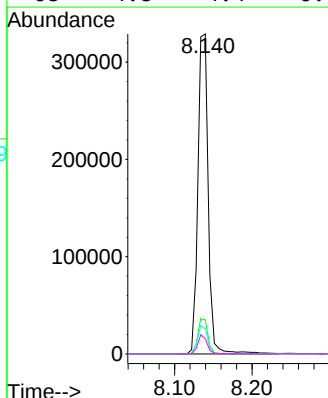
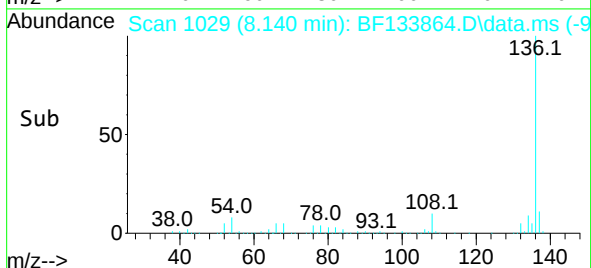
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

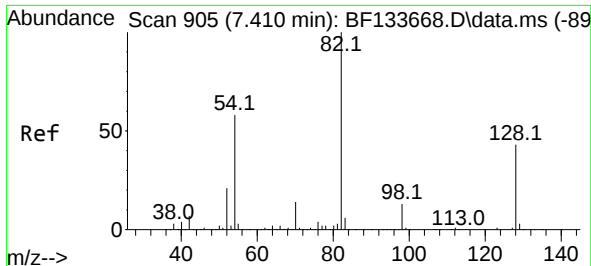


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



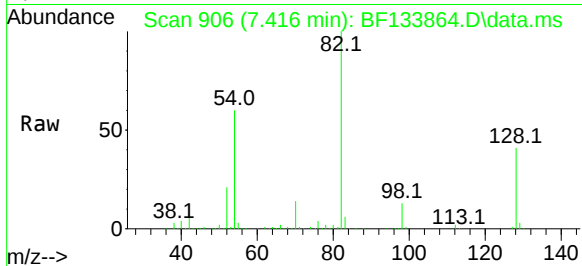
Tgt Ion:136 Resp: 305145
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 7.4 11.0
68 4.8 4.4 6.6





#23
Nitrobenzene-d5
Concen: 35.073 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

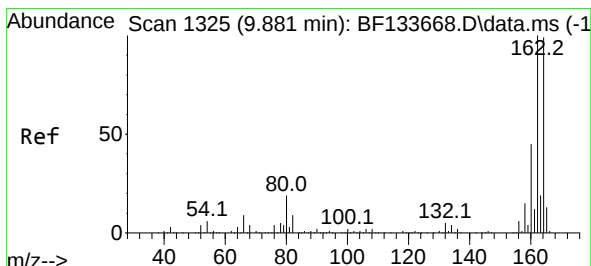
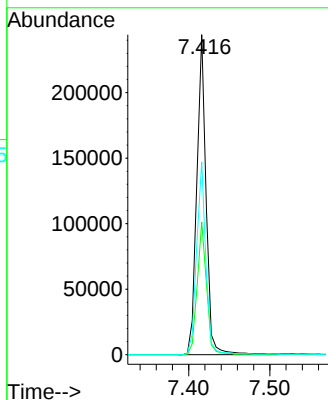
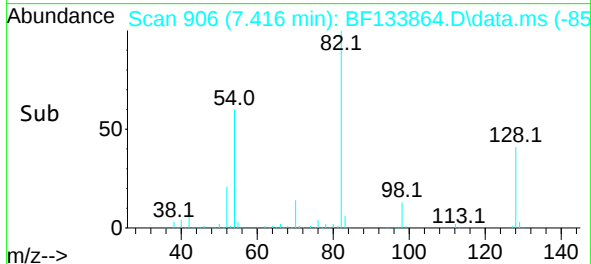
Instrument :
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ClientSampleId :
COMPOSIT-SB-05RE



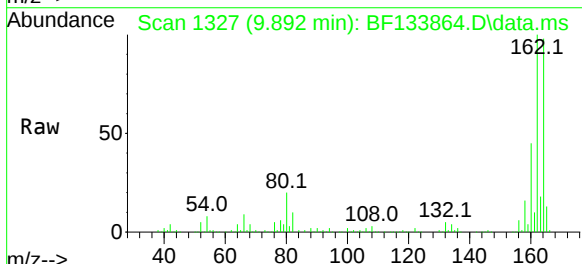
Tgt Ion: 82 Resp: 196490
Ion Ratio Lower Upper
82 100
128 41.5 34.2 51.2
54 60.3 46.5 69.7

Manual Integrations
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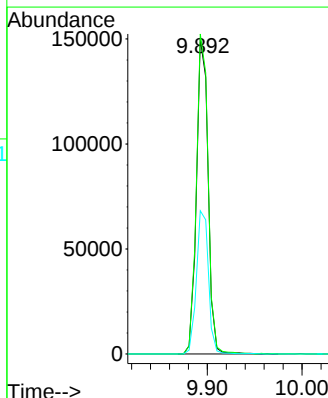
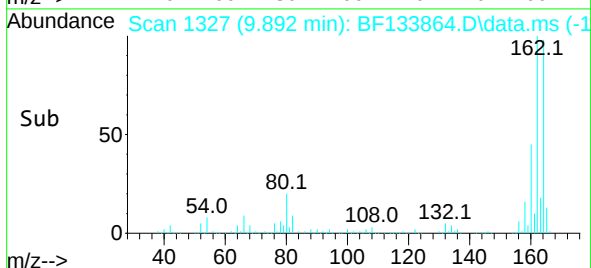
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



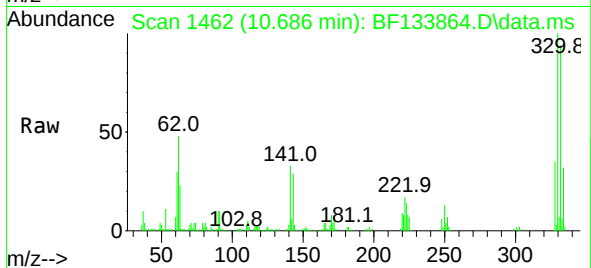
Tgt Ion:164 Resp: 128423
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 45.5 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 45.334 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

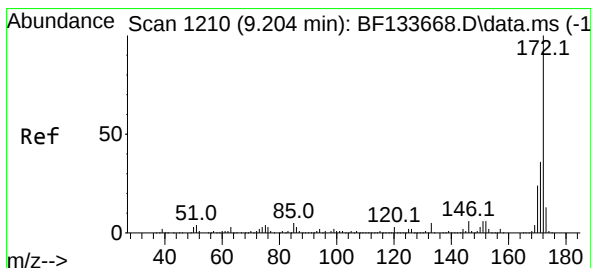
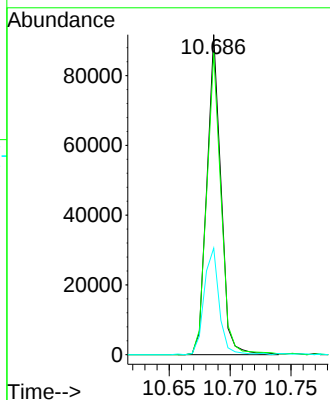
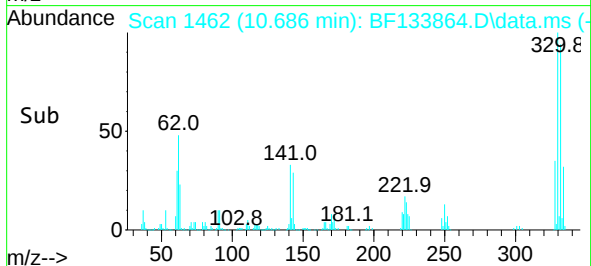
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



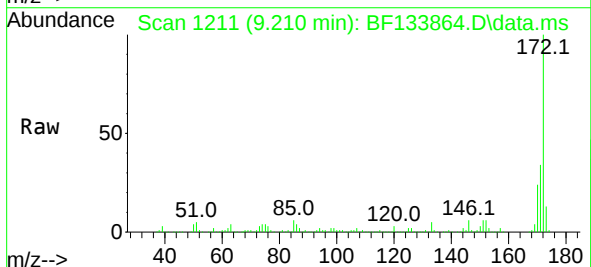
Tgt Ion: 330 Resp: 73690
Ion Ratio Lower Upper
330 100
332 96.6 77.2 115.8
141 35.7 24.9 37.3

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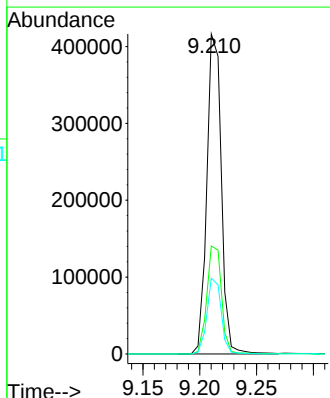
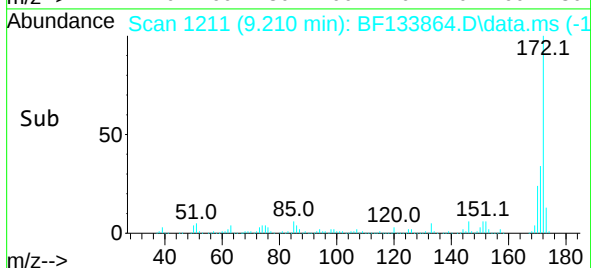
Reviewed By : Yogesh Patel 06/21/2023
Supervised By : mohammad ahmed 06/21/2023



#45
2-Fluorobiphenyl
Concen: 40.827 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



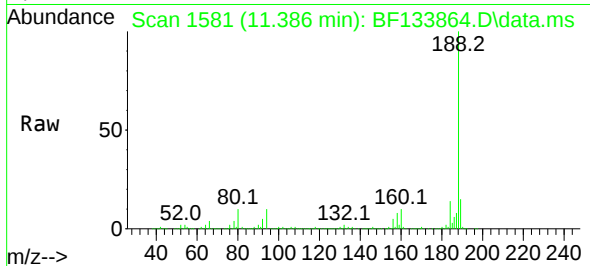
Tgt Ion: 172 Resp: 368845
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

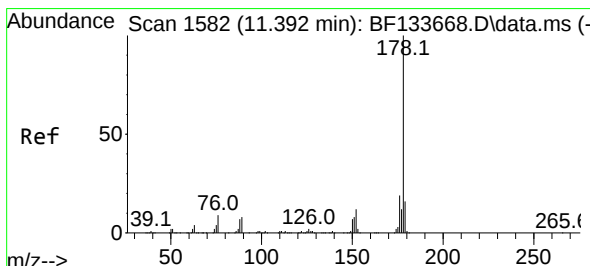
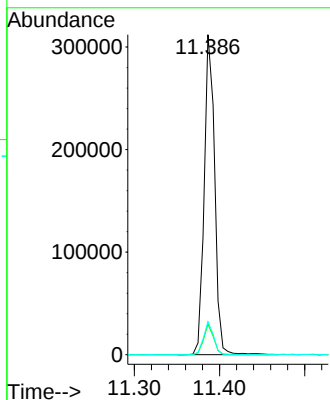
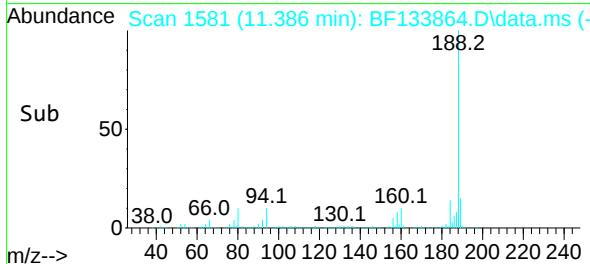
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



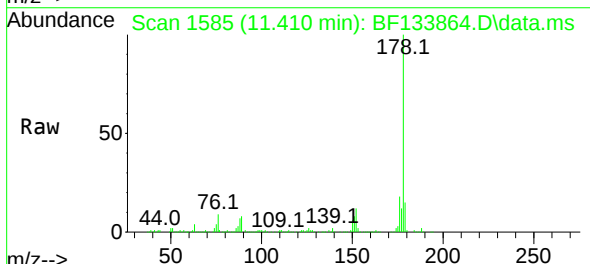
Tgt Ion:188 Resp: 265490
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 10.3 7.8 11.6

Manual Integrations
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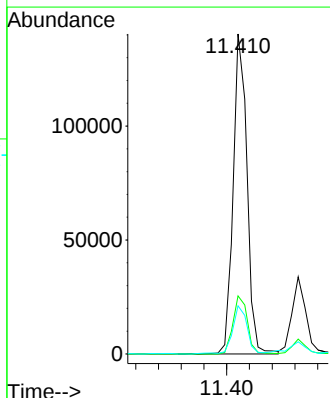
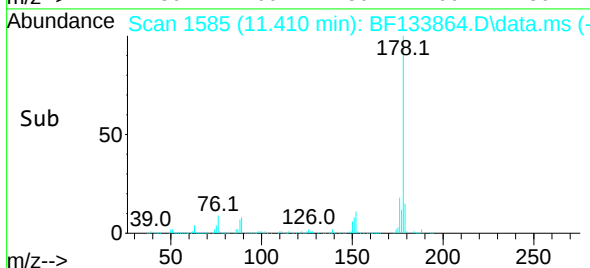
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

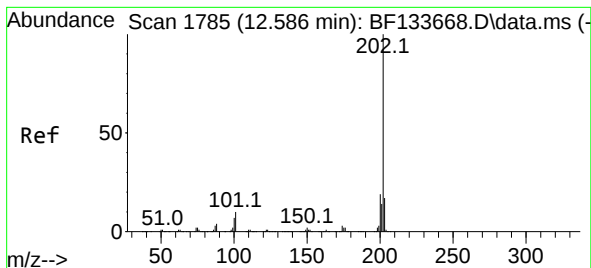


#71
Phenanthrene
Concen: 8.788 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



Tgt Ion:178 Resp: 118370
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 16.383 ng

RT: 12.610 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

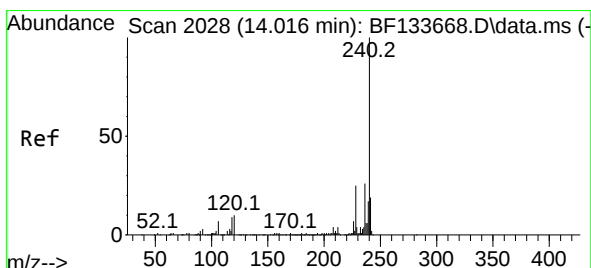
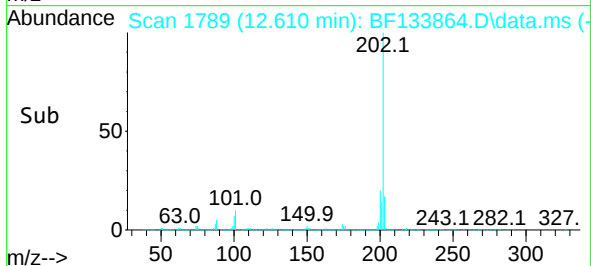
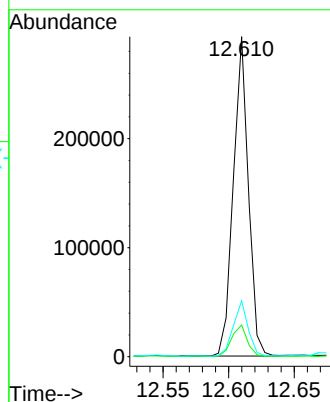
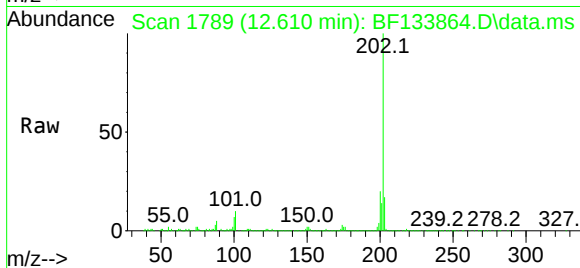
Tgt Ion:	202	Resp:	23434
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	29.6
203	17.5	0.0	37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#76

Chrysene-d12

Concen: 20.000 ng

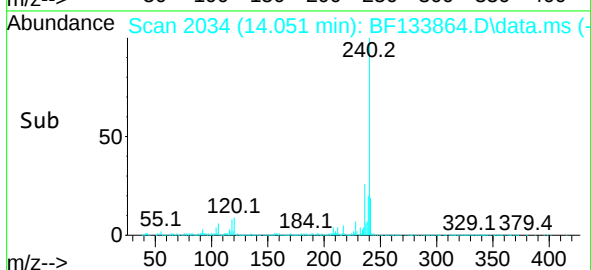
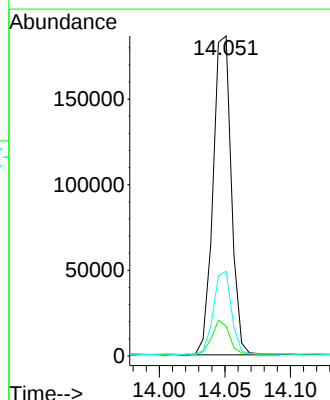
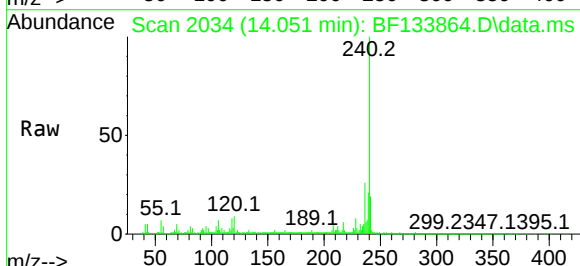
RT: 14.051 min Scan# 2034

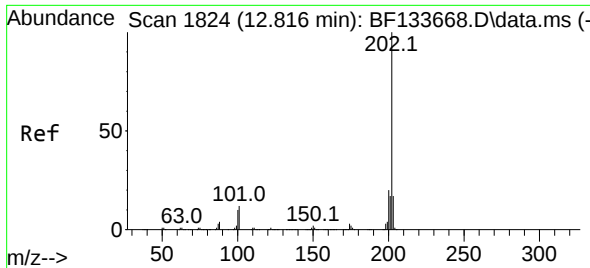
Delta R.T. 0.006 min

Lab File: BF133864.D

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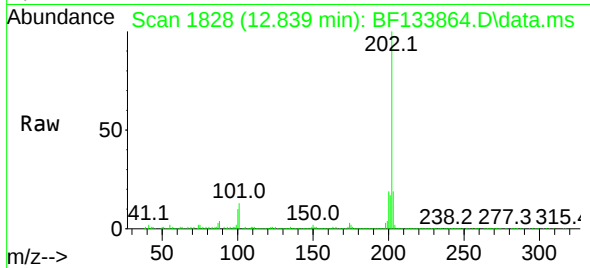
Tgt Ion:	240	Resp:	180434
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.1	12.1
236	26.5	20.5	30.7





#78
Pyrene
Concen: 12.781 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

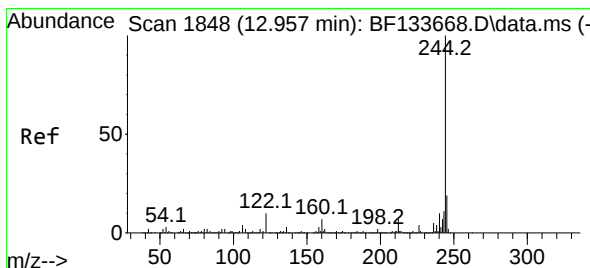
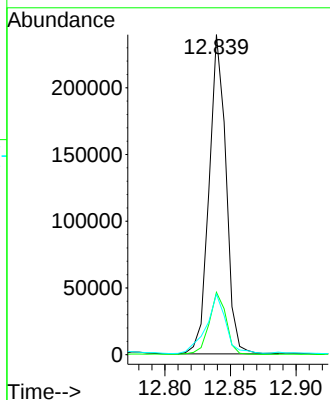
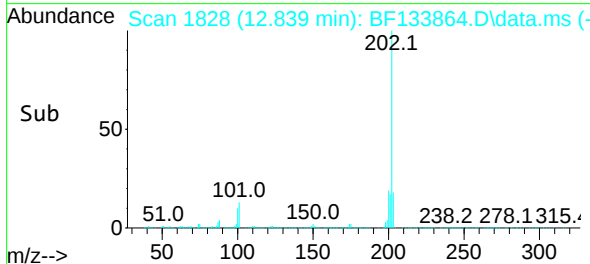
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



Tgt Ion:202 Resp: 21483
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 18.9 13.9 20.9

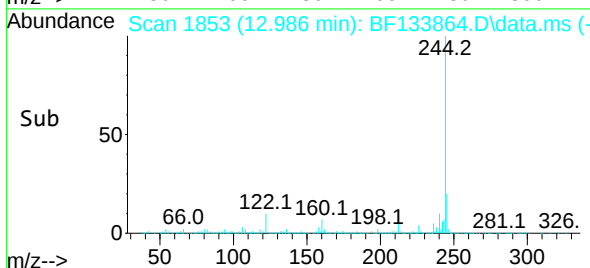
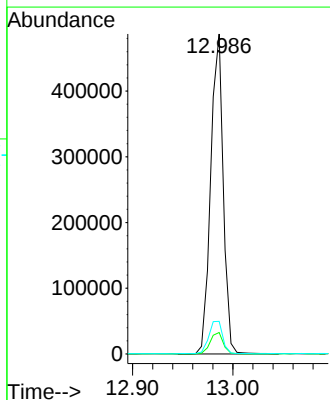
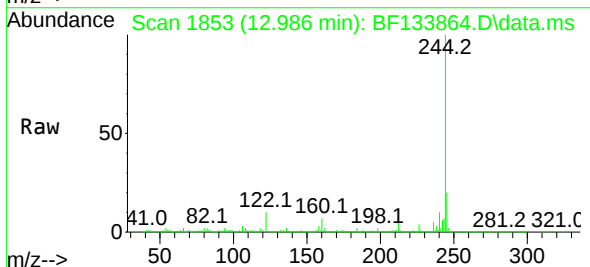
Manual Integrations
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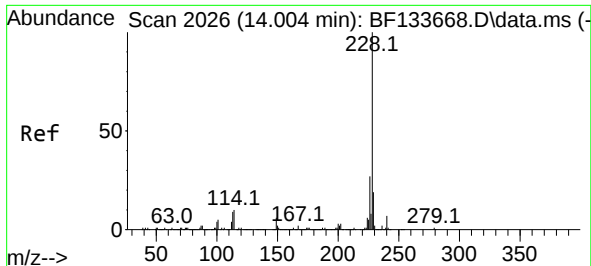
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#79
Terphenyl-d14
Concen: 36.338 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:244 Resp: 423734
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.2 8.1 12.1





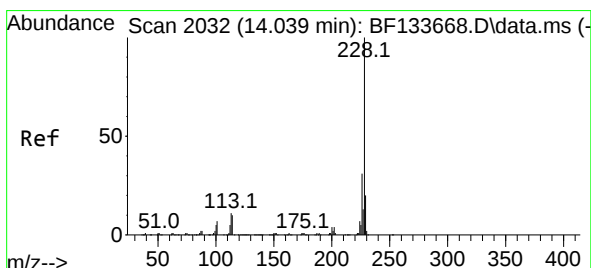
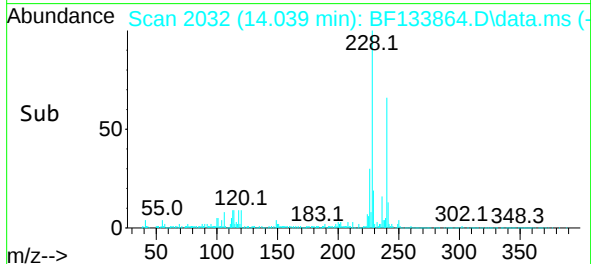
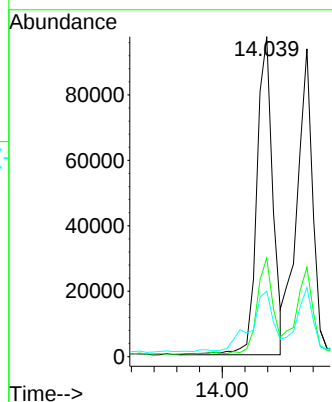
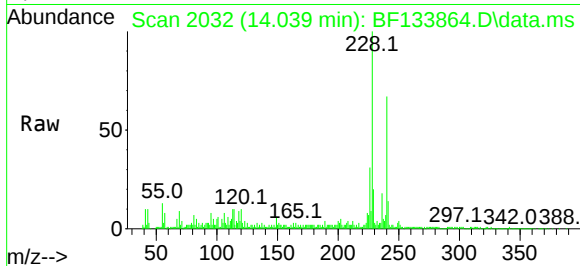
#81
Benzo(a)anthracene
Concen: 7.586 ng
RT: 14.039 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

Tgt Ion:228 Resp: 94674
Ion Ratio Lower Upper
228 100
226 30.8 21.7 32.5
229 20.5 15.4 23.2

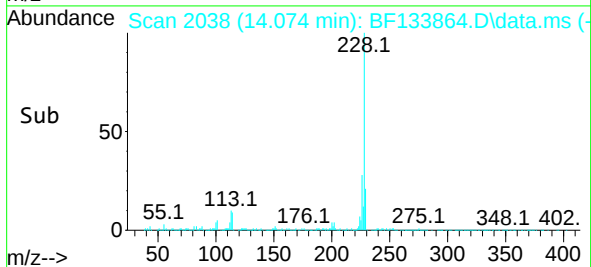
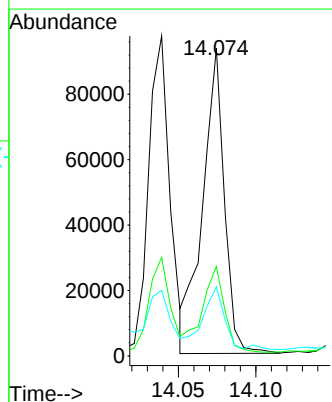
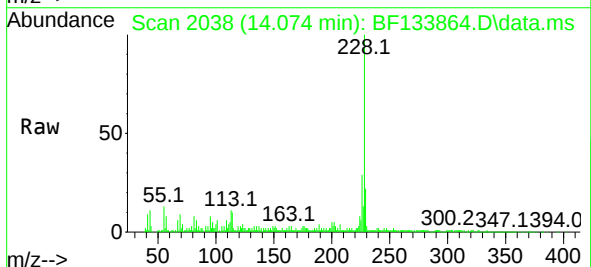
Manual Integrations
APPROVED

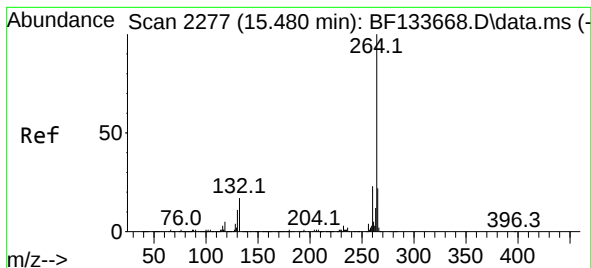
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#83
Chrysene
Concen: 7.720 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:228 Resp: 91126
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

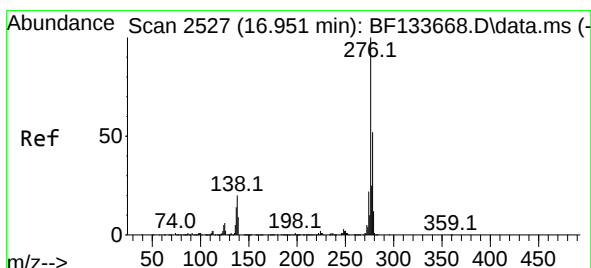
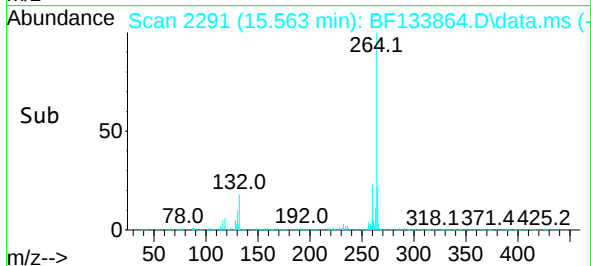
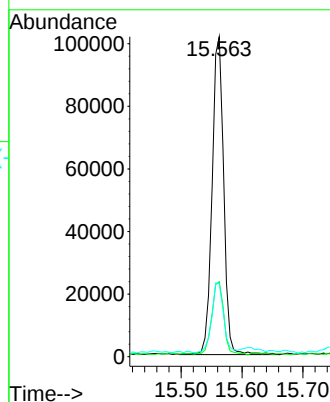
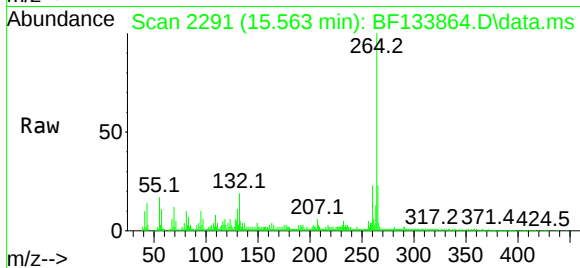
Tgt Ion:264	Resp:	134449
Ion Ratio	Lower	Upper
264	100	
260	23.5	18.2 27.2
265	22.9	17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.340 ng

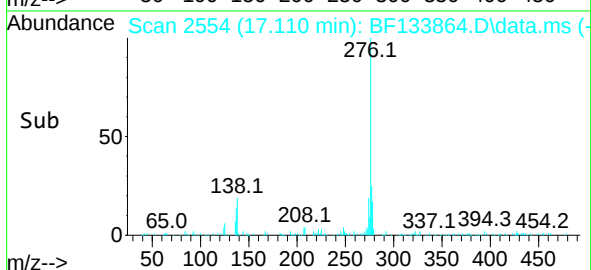
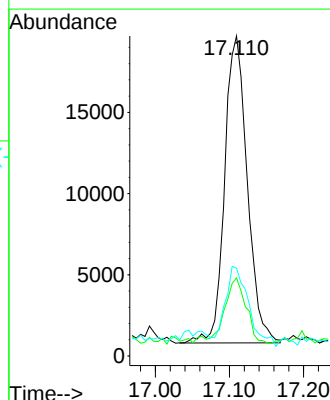
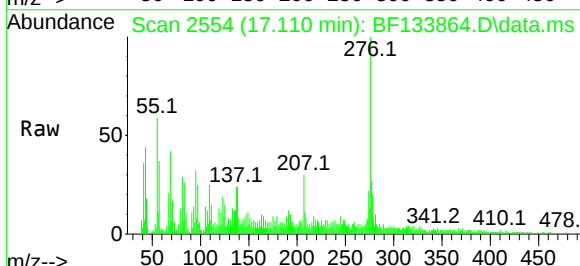
RT: 17.110 min Scan# 2554

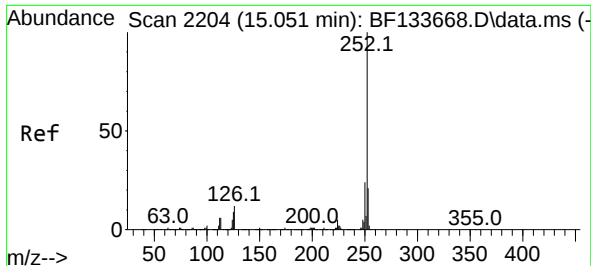
Delta R.T. 0.012 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

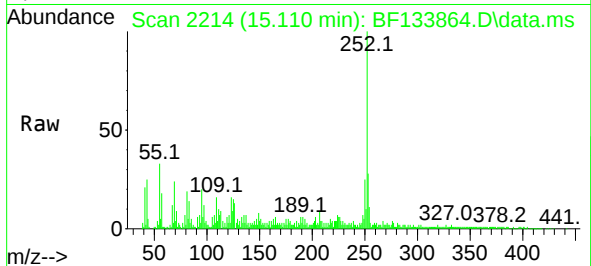
Tgt Ion:276	Resp:	40146
Ion Ratio	Lower	Upper
276	100	
138	19.8	17.9 26.9
277	26.4	20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 10.527 ng m
RT: 15.110 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

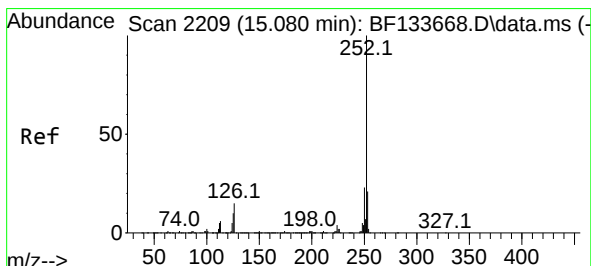
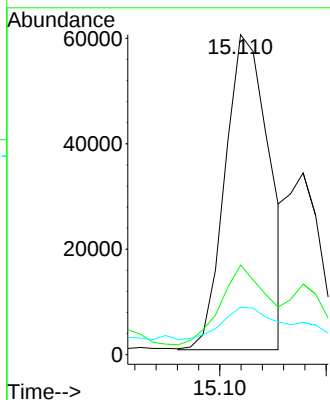
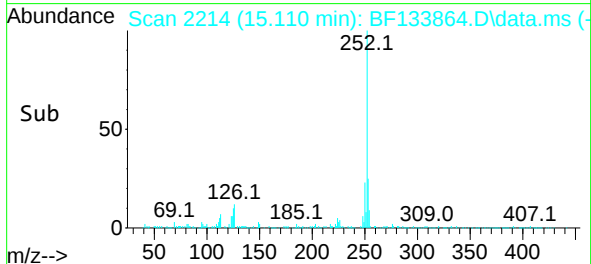
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE



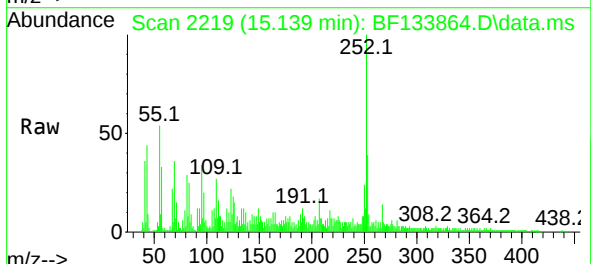
Tgt Ion:252 Resp: 8597
Ion Ratio Lower Upper
252 100
253 28.0 17.0 25.6
125 14.8 7.3 10.9

Manual Integrations
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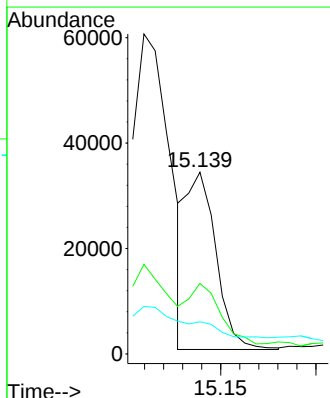
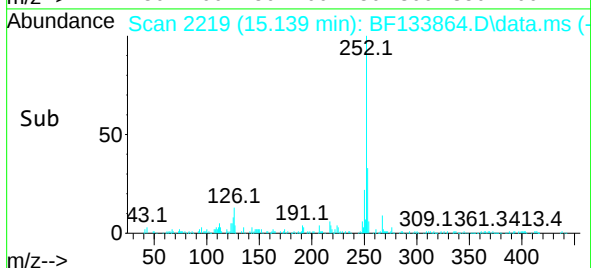
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

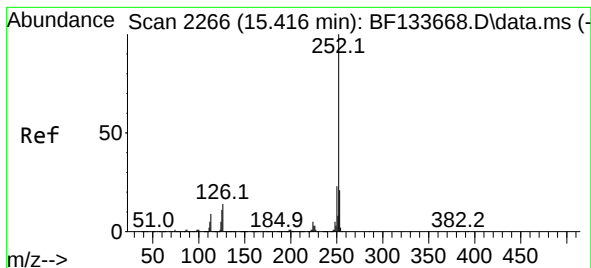


#89
Benzo(k)fluoranthene
Concen: 4.636 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27



Tgt Ion:252 Resp: 36886
Ion Ratio Lower Upper
252 100
253 38.8 17.0 25.4#
125 17.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 7.946 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

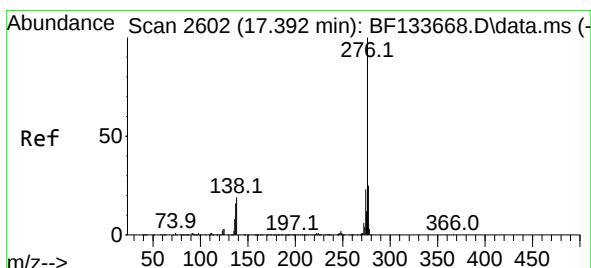
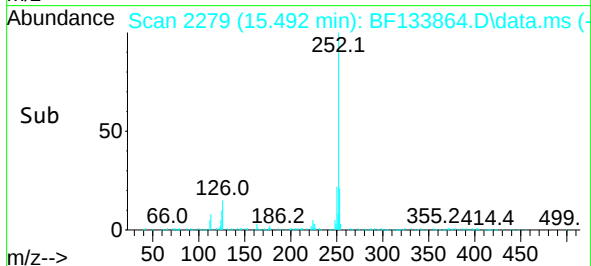
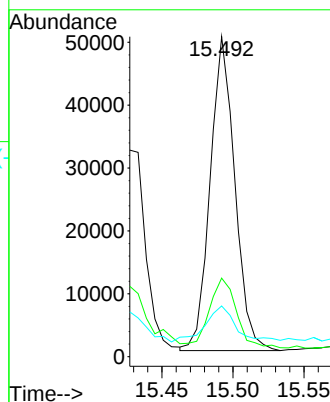
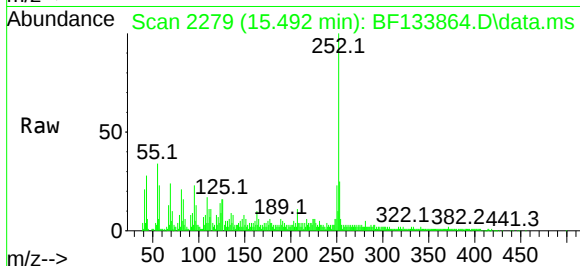
Tgt Ion:	252	Resp:	6023
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.1	25.7
125	15.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#92

Benzo(g,h,i)perylene

Concen: 5.167 ng

RT: 17.586 min Scan# 2635

Delta R.T. 0.012 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Tgt Ion:	276	Resp:	39228
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.8	29.8
138	22.7	15.0	22.4

