

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134016.D
 Acq On : 28 Jun 2023 06:24
 Operator : CG\JU
 Sample : 03355-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 07:10:13 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	116615	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	441529	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	162306	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	315039	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161013	20.000	ng	0.00
86) Perylene-d12	15.551	264	127308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	617761	88.614	ng	0.01
7) Phenol-d6	6.487	99	722568	84.280	ng	0.00
23) Nitrobenzene-d5	7.416	82	475521	58.055	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	104417	51.311	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	819938	73.448	ng	0.00
79) Terphenyl-d14	12.980	244	776729	77.639	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	70267	4.431	ng	99
75) Fluoranthene	12.604	202	134937	7.870	ng	98
78) Pyrene	12.833	202	162590	10.851	ng	99
81) Benzo(a)anthracene	14.033	228	45236	4.051	ng	96
83) Chrysene	14.068	228	62019	5.734	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	22991	2.603	ng	97
88) Benzo(b)fluoranthene	15.104	252	54026m	7.217	ng	
89) Benzo(k)fluoranthene	15.133	252	18741m	2.459	ng	
90) Benzo(a)pyrene	15.486	252	33127m	4.576	ng	
92) Benzo(g,h,i)perylene	17.568	276	29878	4.015	ng	95

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

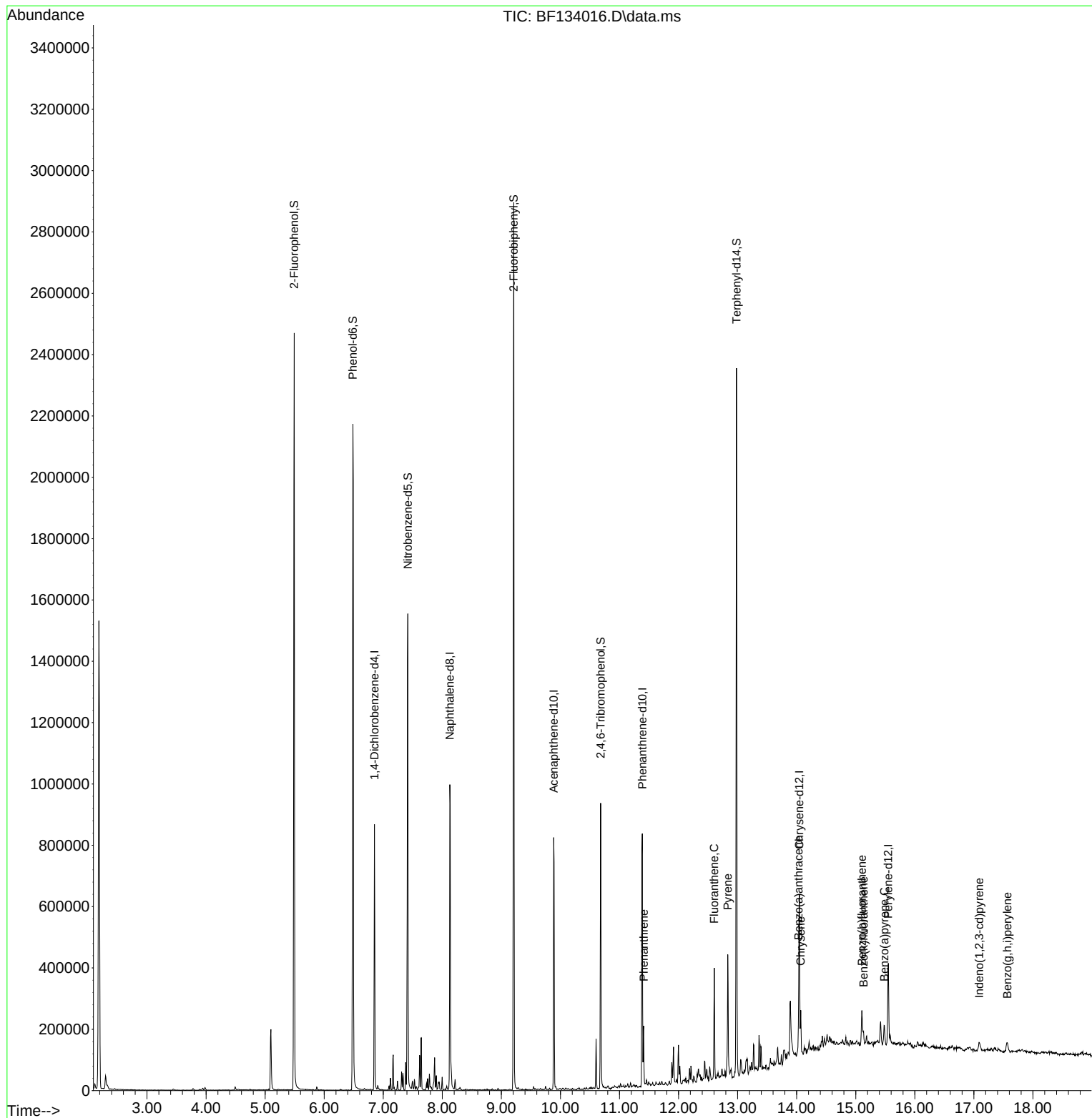
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134016.D
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ALS Vial : 33 Sample Multiplier: 1

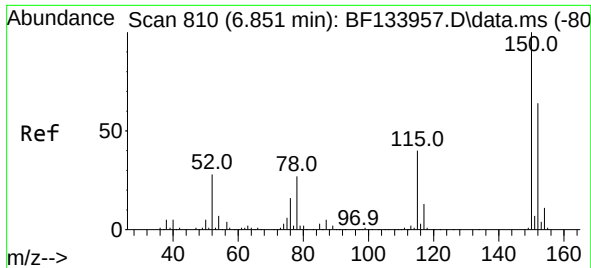
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Quant Time: Jun 28 07:10:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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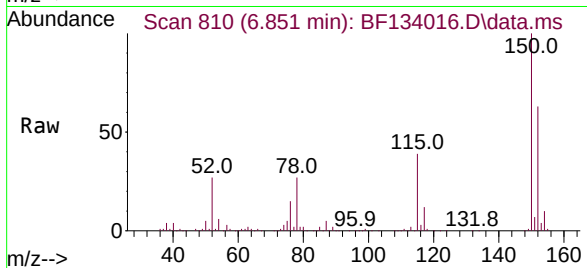
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

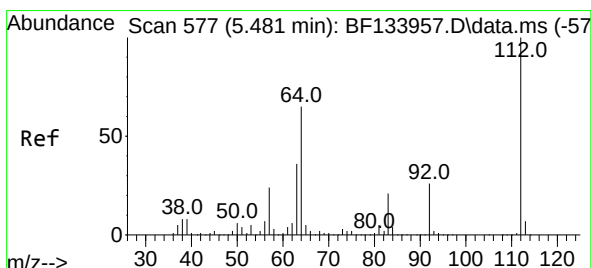
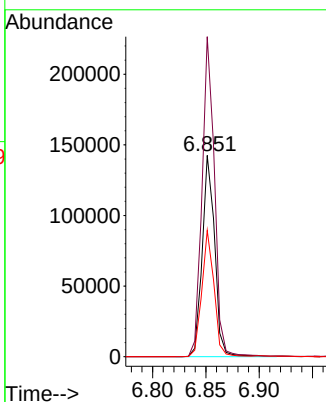
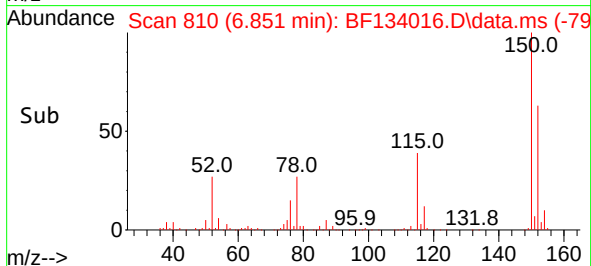


Tgt Ion:152 Resp: 11661
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 62.7 50.2 75.2

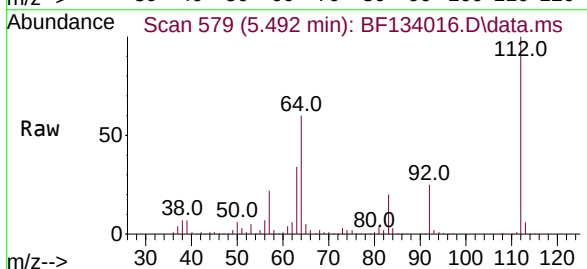
Manual Integrations

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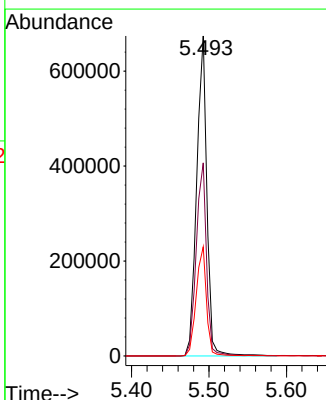
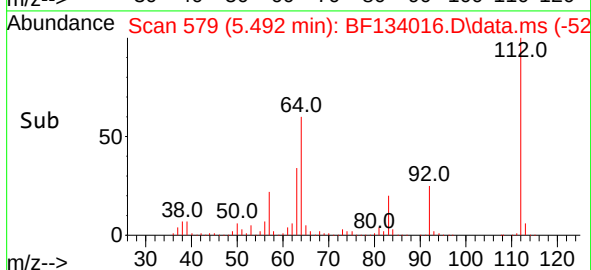
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

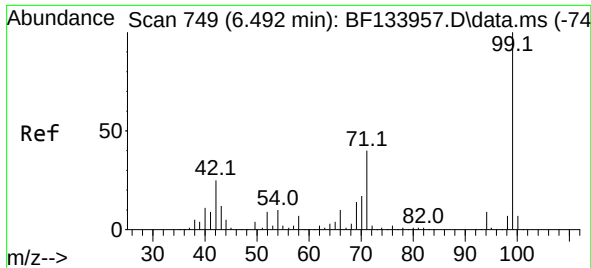


#5
2-Fluorophenol
Concen: 88.614 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24



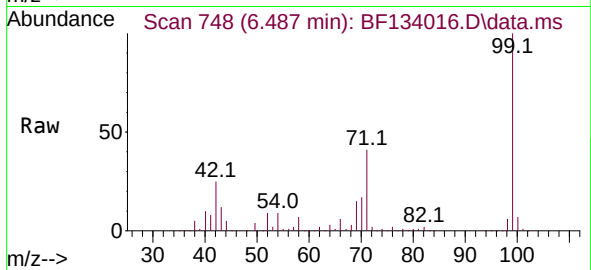
Tgt Ion:112 Resp: 617761
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.1 28.6 42.8





#7
Phenol-d6
Concen: 84.280 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

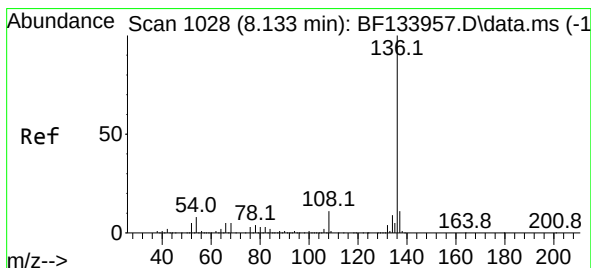
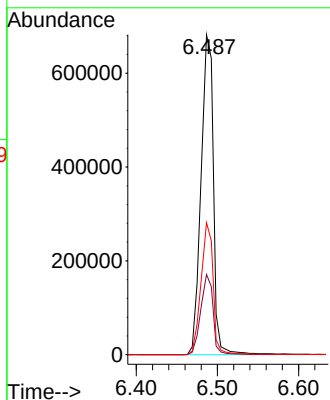
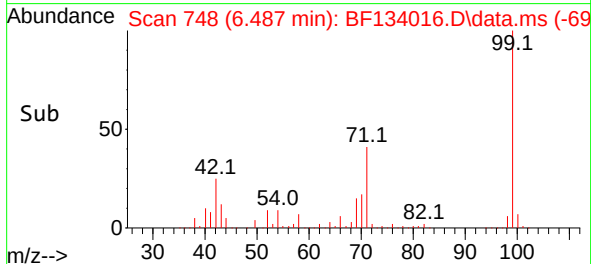
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



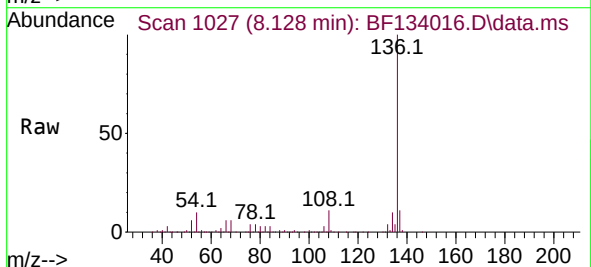
Tgt Ion: 99 Resp: 722568
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 41.3 31.9 47.9

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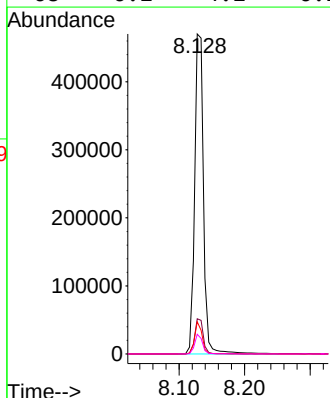
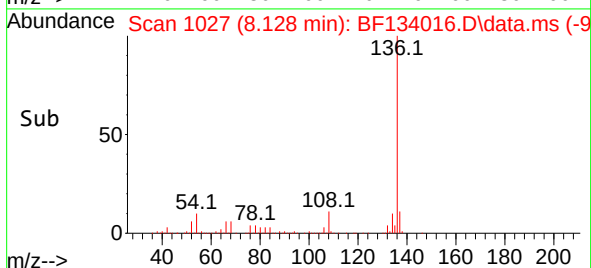
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

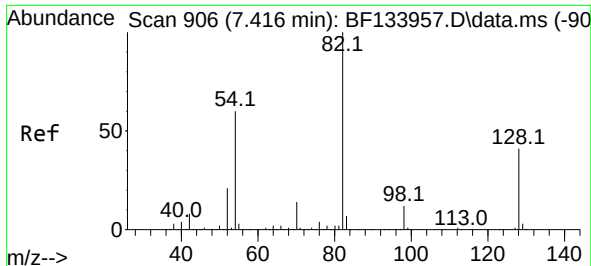


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24



Tgt Ion:136 Resp: 441529
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.0 6.5 9.7#
68 6.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 58.055 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion: 82 Resp: 47552

Ion Ratio Lower Upper

82 100

128 43.2 32.5 48.7

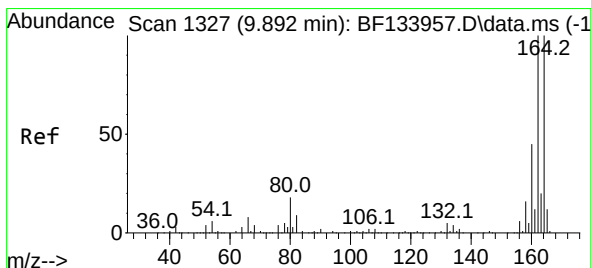
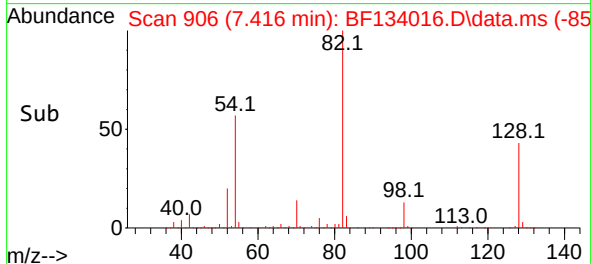
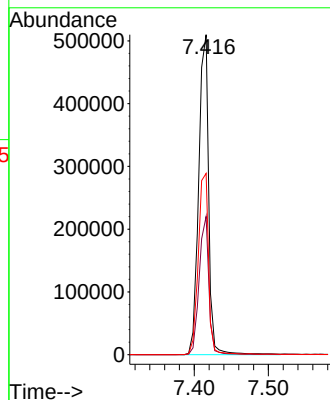
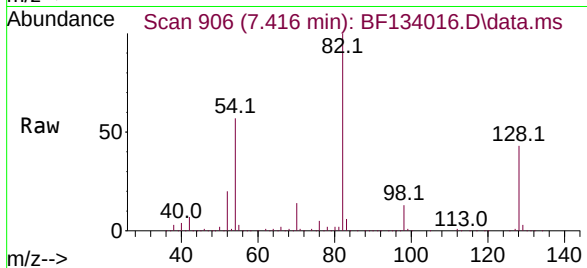
54 56.6 48.2 72.2

Manual Integrations

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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: BF134016.D

Acq: 28 Jun 2023 06:24

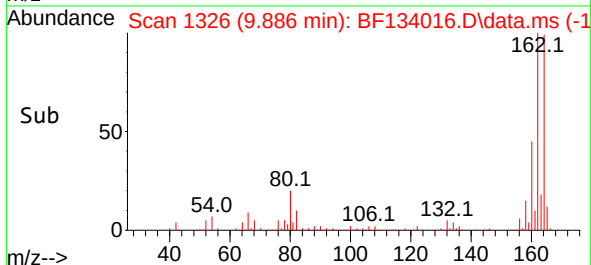
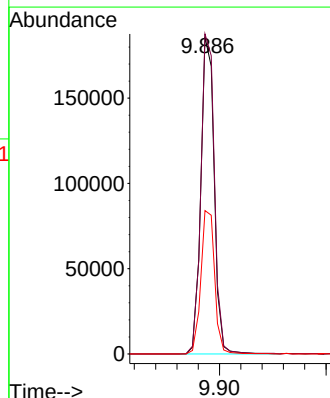
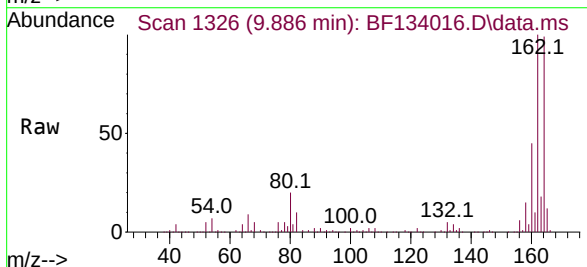
Tgt Ion:164 Resp: 162306

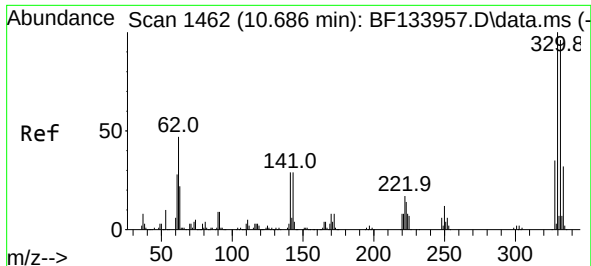
Ion Ratio Lower Upper

164 100

162 101.0 80.0 120.0

160 45.3 35.9 53.9





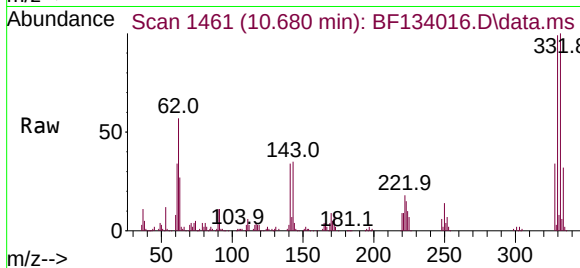
#42
2,4,6-Tribromophenol
Concen: 51.311 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

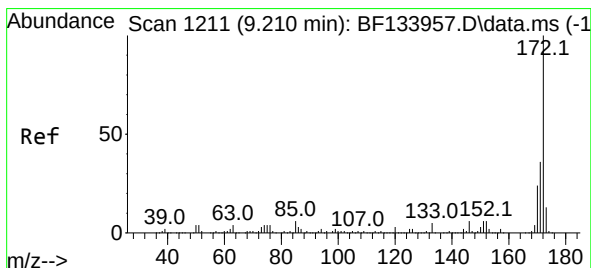
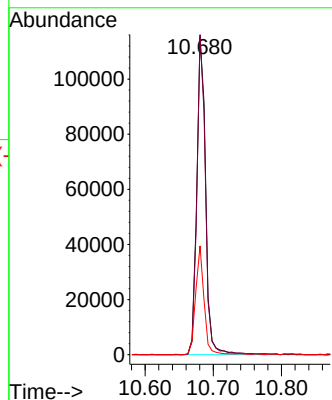
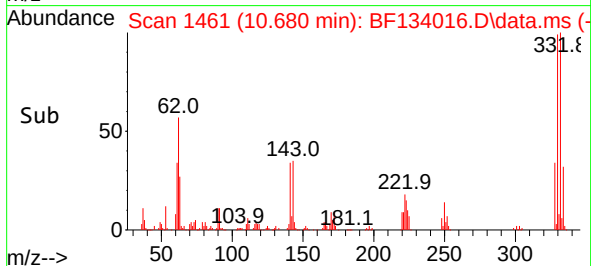


Tgt Ion:330 Resp: 10441
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 32.5 26.3 39.5

Manual Integrations

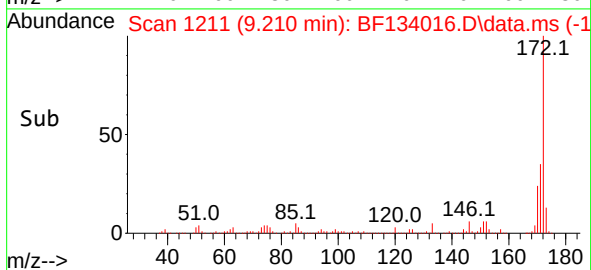
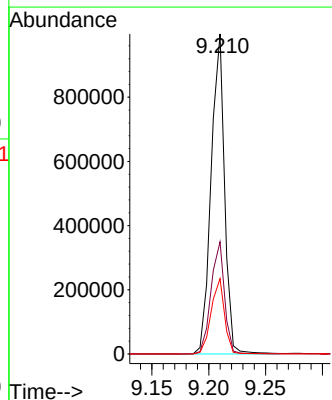
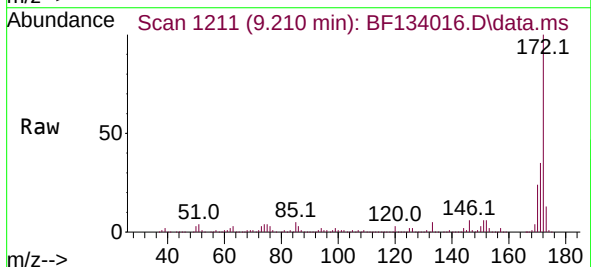
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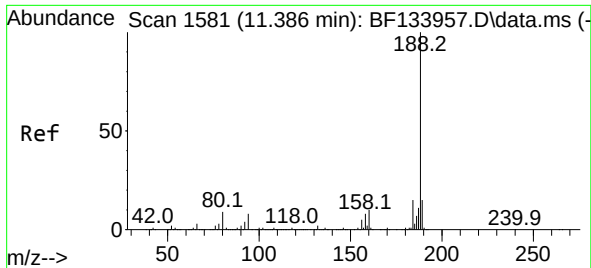
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 73.448 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:172 Resp: 819938
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.5 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

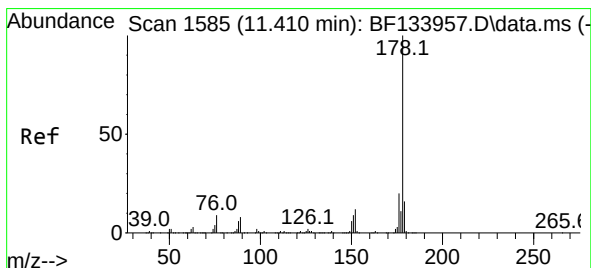
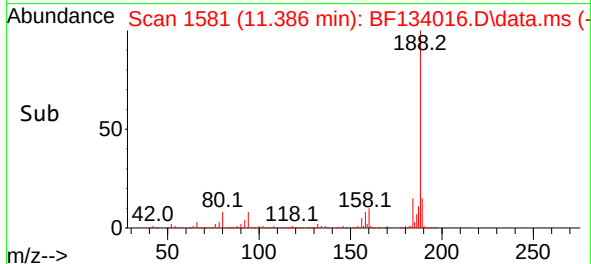
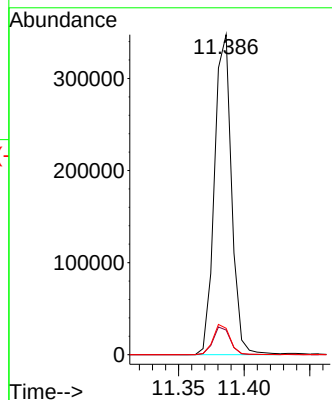
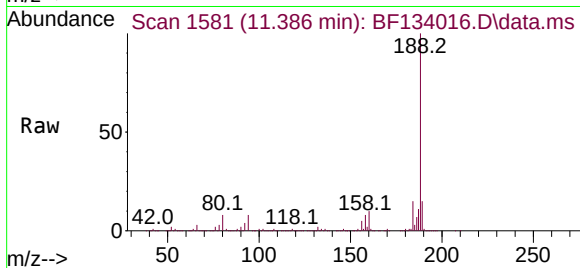
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Tgt Ion:188 Resp: 315039
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.2 7.3 10.9

Manual Integrations

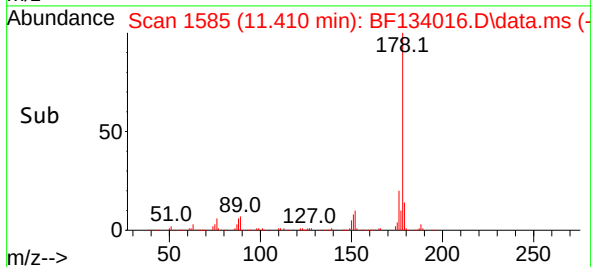
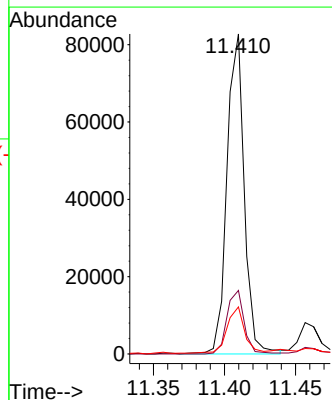
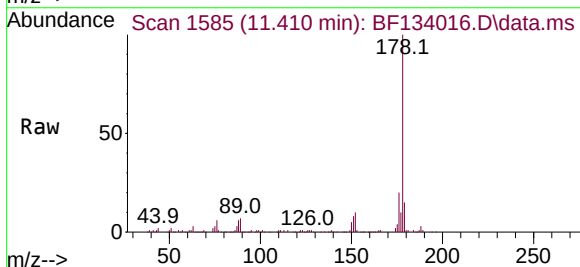
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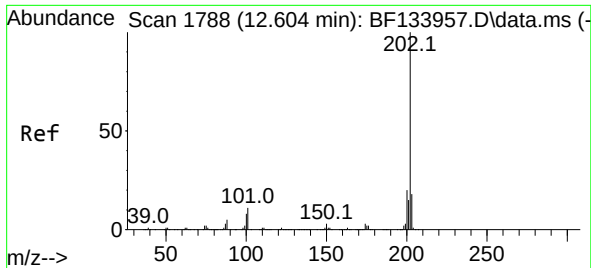
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 4.431 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:178 Resp: 70267
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 14.7 12.4 18.6





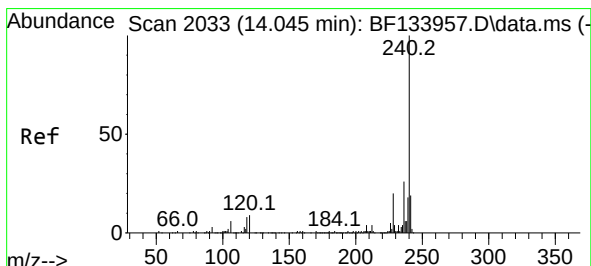
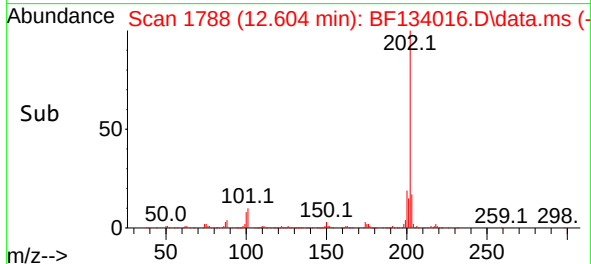
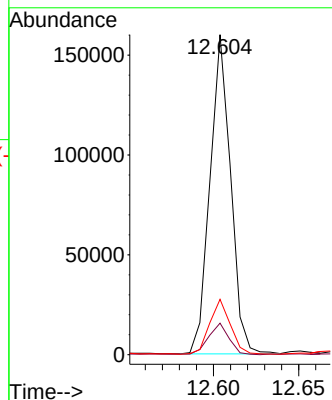
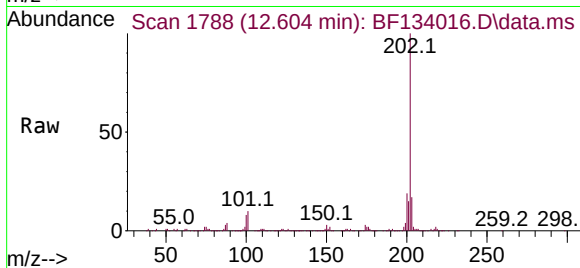
#75
Fluoranthene
Concen: 7.870 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:202 Resp: 13493
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.0
203 17.3 0.0 37.6

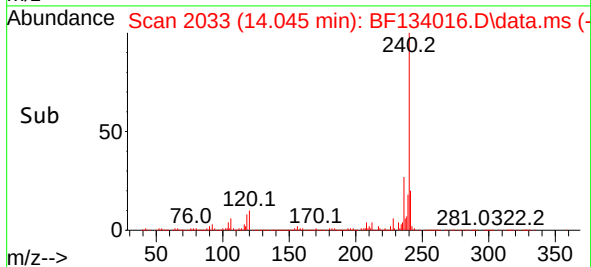
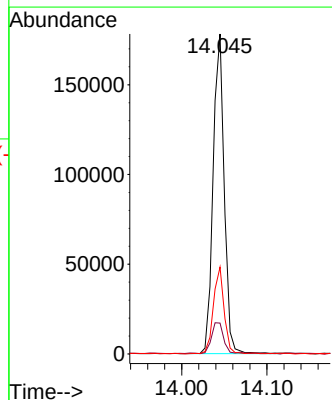
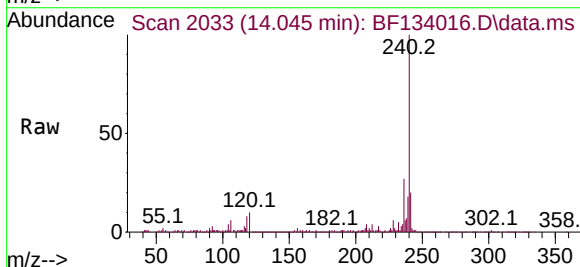
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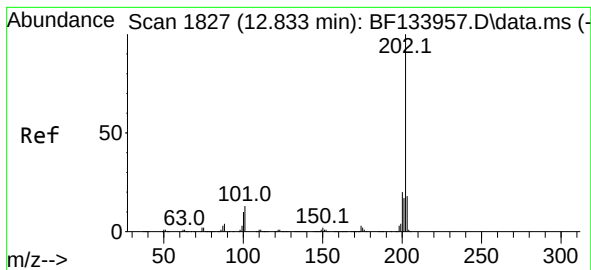
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:240 Resp: 161013
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 27.2 21.0 31.6





#78

Pyrene

Concen: 10.851 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

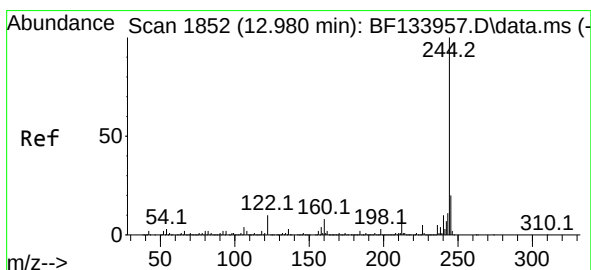
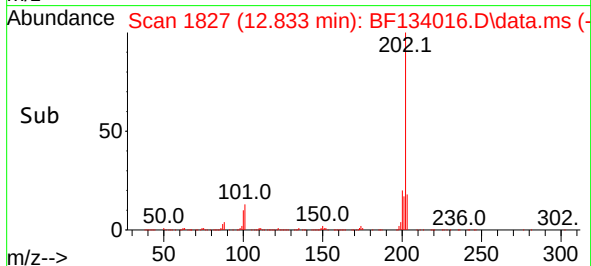
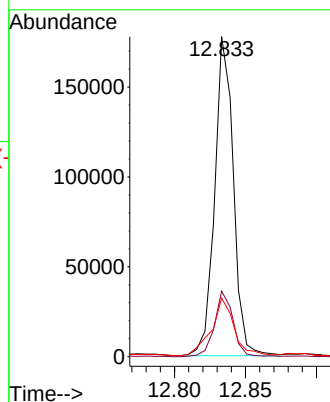
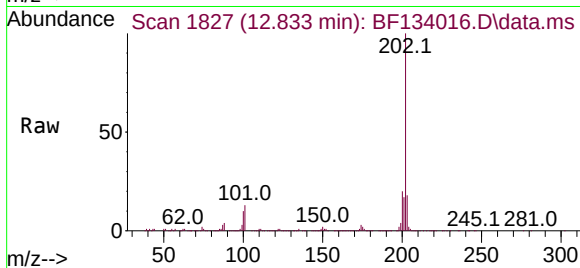
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Tgt Ion:202 Resp: 162590
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.1 24.1
 203 18.3 14.3 21.5

Manual Integrations

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 Supervised By :mohammad ahmed 06/29/2023



#79

Terphenyl-d14

Concen: 77.639 ng

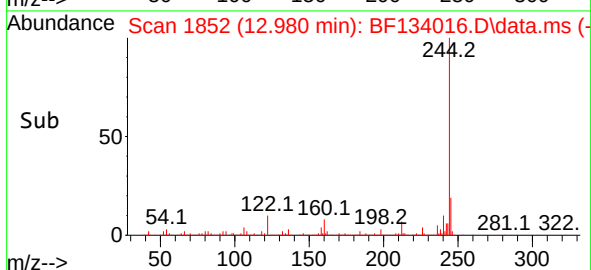
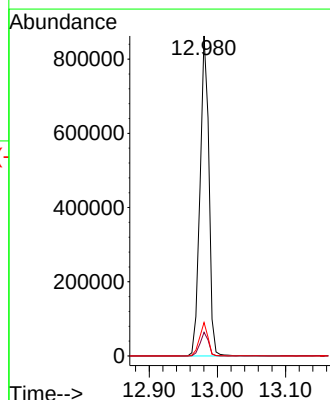
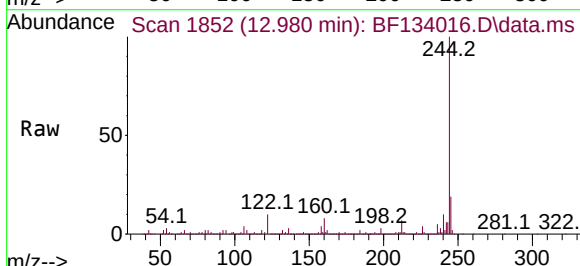
RT: 12.980 min Scan# 1852

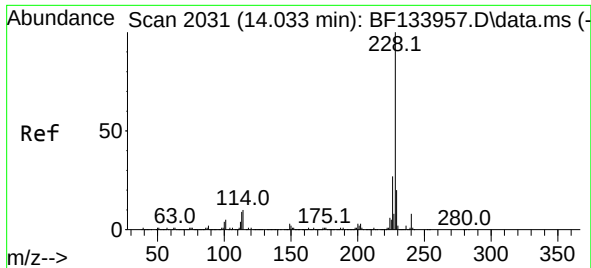
Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Tgt Ion:244 Resp: 776729
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.4 8.3 12.5





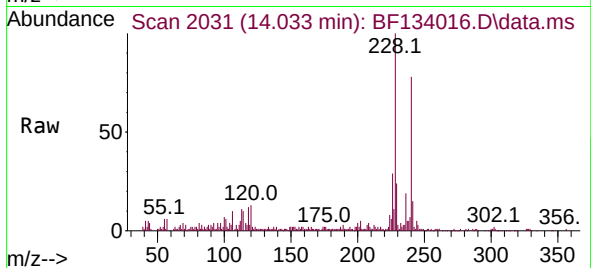
#81
Benzo(a)anthracene
Concen: 4.051 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

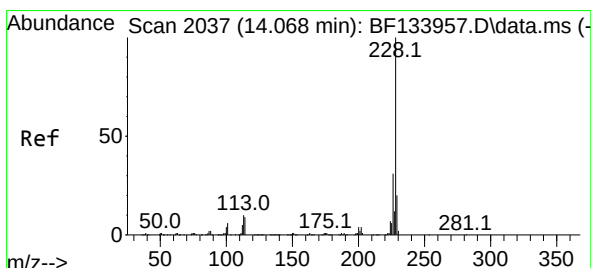
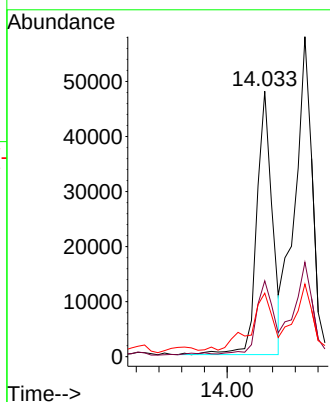
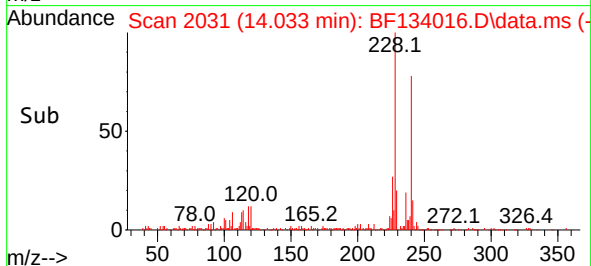


Tgt Ion:228 Resp: 45230
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 23.9 16.3 24.5

Manual Integrations

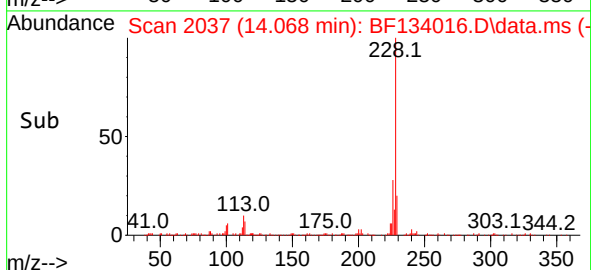
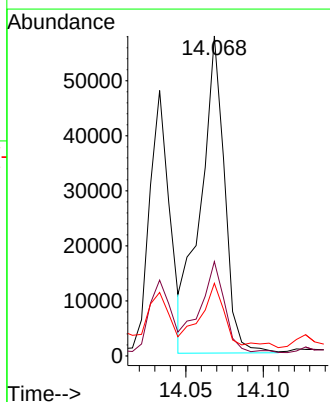
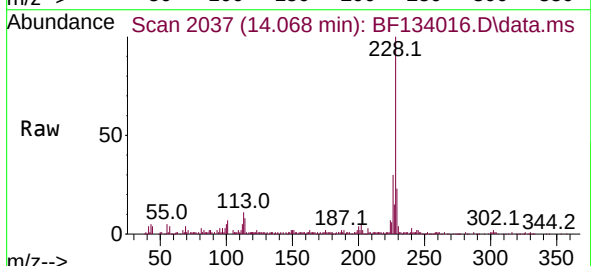
APPROVED

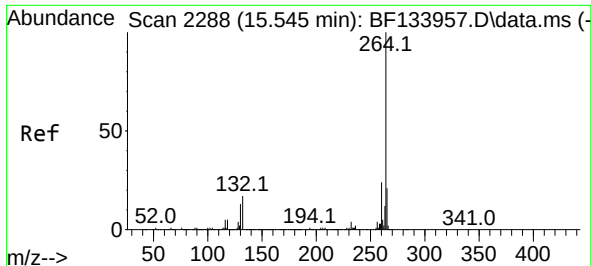
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 5.734 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:228 Resp: 62019
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 22.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

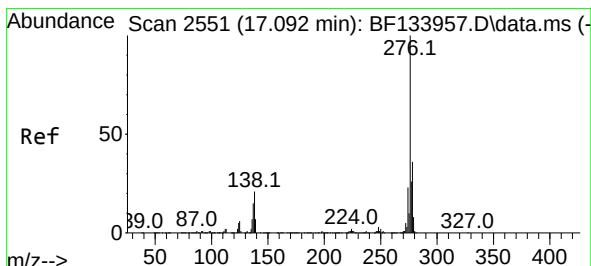
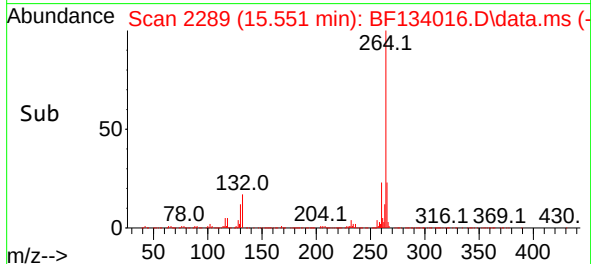
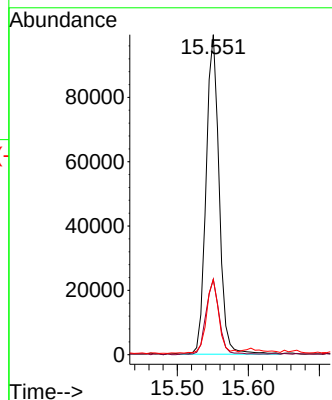
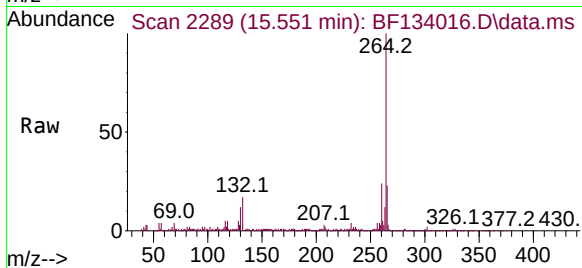
ClientSampleId :

SB-02-COMP

Tgt Ion:264 Resp: 127308
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 23.5 16.6 25.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.603 ng

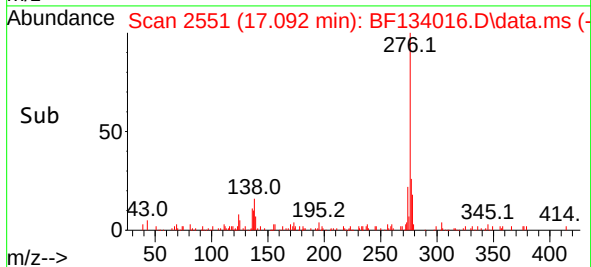
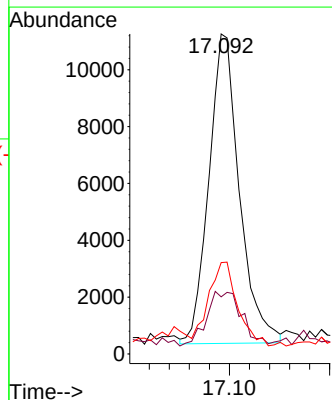
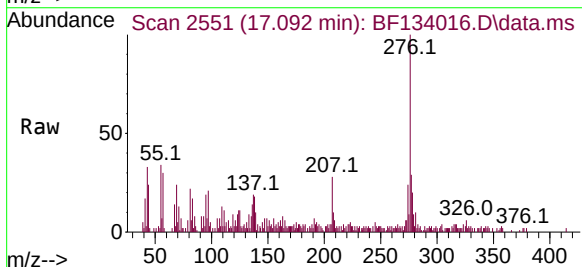
RT: 17.092 min Scan# 2551

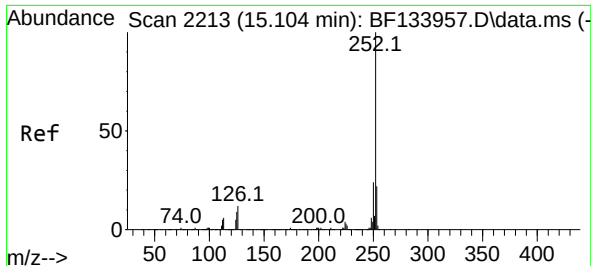
Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Tgt Ion:276 Resp: 22991
 Ion Ratio Lower Upper
 276 100
 138 20.3 18.7 28.1
 277 25.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 7.217 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Instrument :

BNF_F

ClientSampleId :

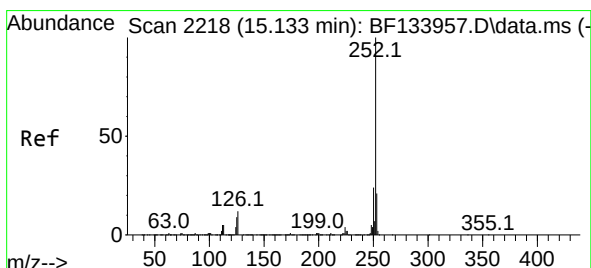
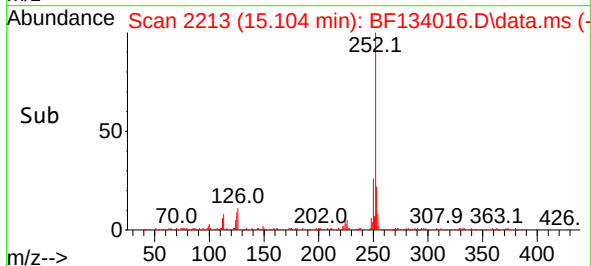
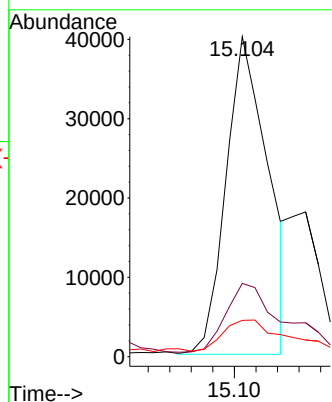
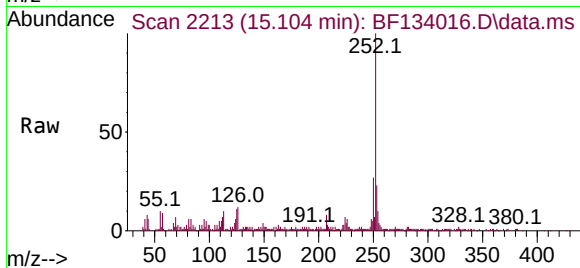
SB-02-COMP

Tgt Ion:252 Resp: 54020
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.3 7.1 10.7

Manual Integrations

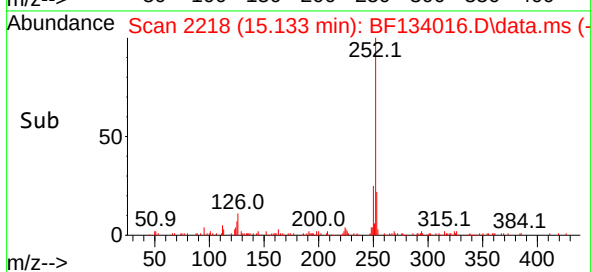
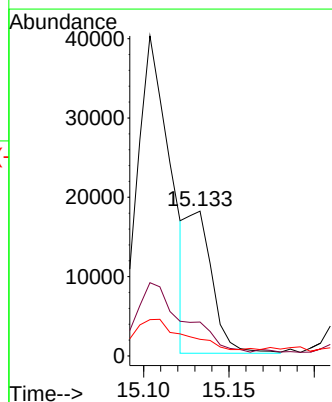
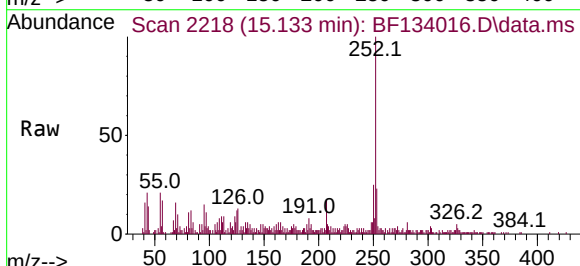
APPROVED

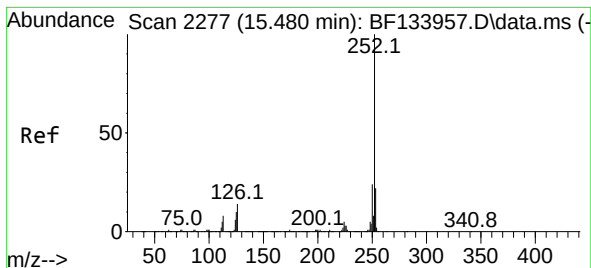
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 2.459 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:252 Resp: 18741
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 11.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 4.576 ng m

RT: 15.486 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

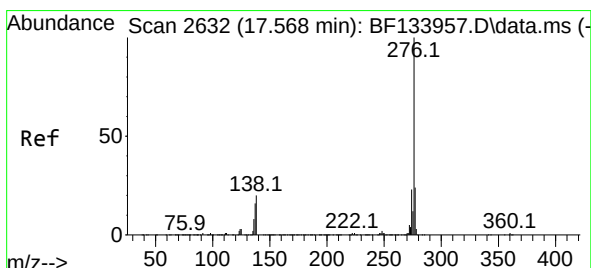
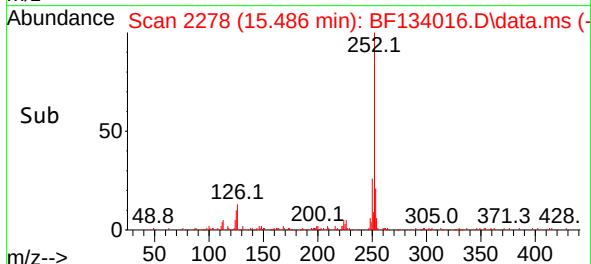
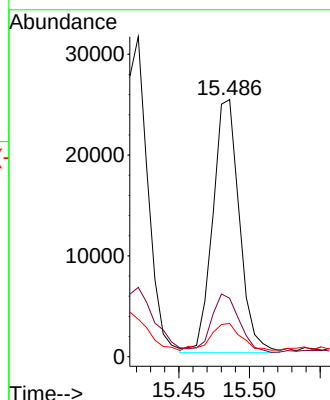
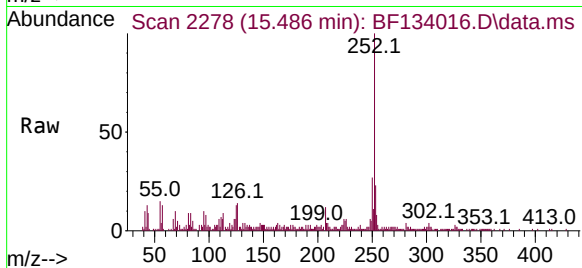
Tgt Ion:	252	Resp:	3312
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	13.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 4.015 ng

RT: 17.568 min Scan# 2632

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Tgt Ion:	276	Resp:	29878
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.0	28.6
138	21.9	16.2	24.2

