

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134362.D
 Acq On : 19 Jul 2023 16:56
 Operator : CG\JU
 Sample : 03597-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-48-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2023
 Supervised By :mohammad ahmed 07/20/2023

Quant Time: Jul 19 17:43:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	71743	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	271756	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127409	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	220067	20.000	ng	0.00
76) Chrysene-d12	14.033	240	143698	20.000	ng	0.00
86) Perylene-d12	15.539	264	121163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	420117	97.955	ng	0.01
7) Phenol-d6	6.481	99	504267	95.605	ng	0.00
23) Nitrobenzene-d5	7.404	82	344179	68.271	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	157711	98.726	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	652162	74.420	ng	-0.01
79) Terphenyl-d14	12.969	244	577506	64.681	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	44151	3.985	ng	99
75) Fluoranthene	12.592	202	110125	9.195	ng	97
78) Pyrene	12.821	202	89276	6.676	ng	98
81) Benzo(a)anthracene	14.021	228	59823	6.003	ng	98
83) Chrysene	14.057	228	53130	5.504	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	21863	2.600	ng	96
88) Benzo(b)fluoranthene	15.092	252	57867m	8.122	ng	
89) Benzo(k)fluoranthene	15.121	252	15099m	2.082	ng	
90) Benzo(a)pyrene	15.474	252	38069	5.526	ng	96
92) Benzo(g,h,i)perylene	17.562	276	19185	2.709	ng	97

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

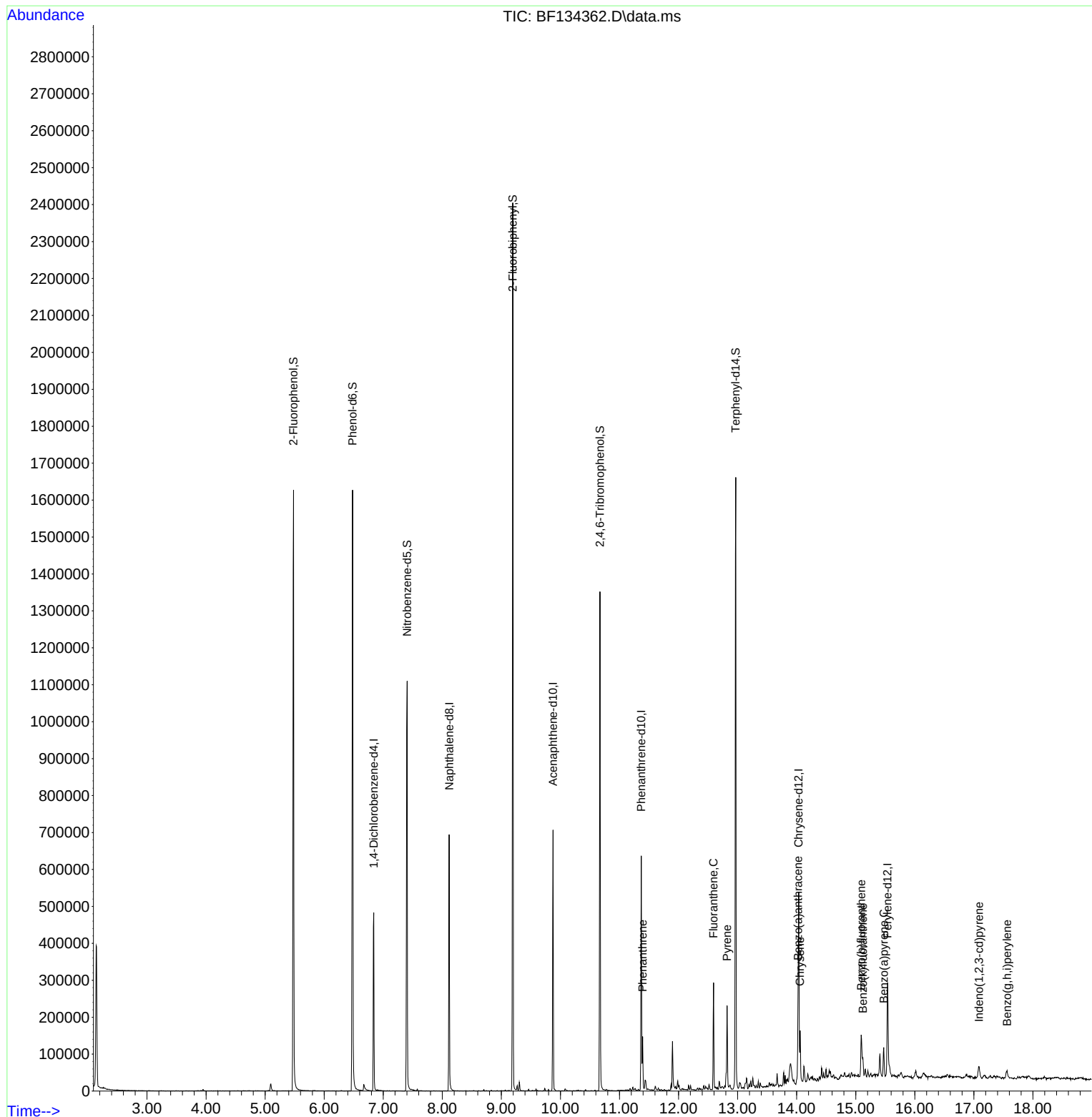
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
Data File : BF134362.D
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Operator : CG\JU
Sample : 03597-13
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ALS Vial : 9 Sample Multiplier: 1

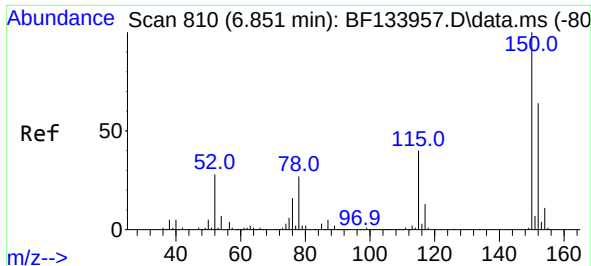
Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)

Quant Time: Jul 19 17:43:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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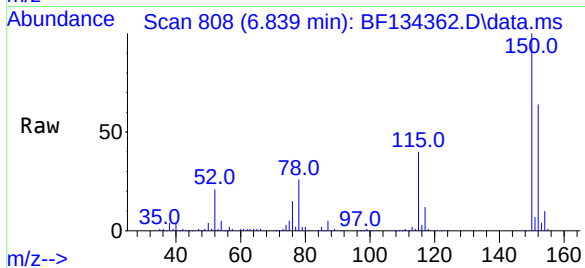
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

RB-48-(0-2)

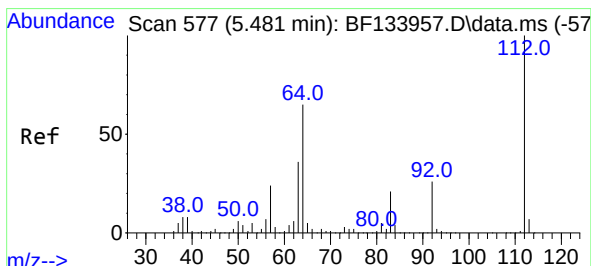
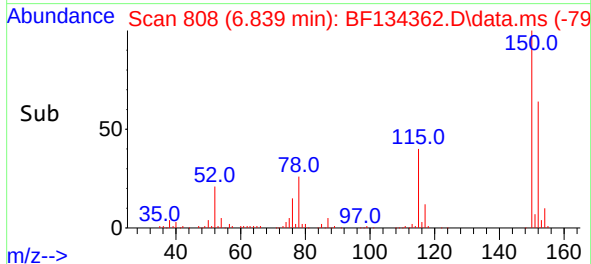
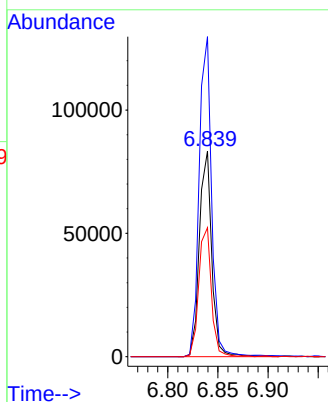


Tgt Ion:152 Resp: 7174
Ion Ratio Lower Upper
152 100
150 155.7 124.5 186.7
115 62.8 50.2 75.2

Manual Integrations

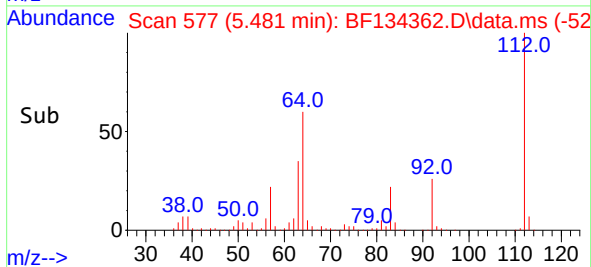
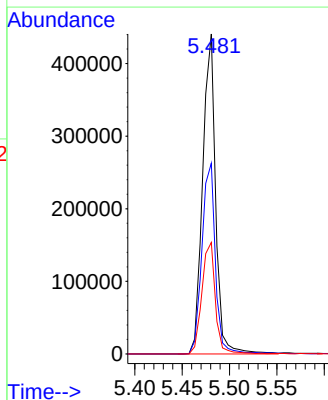
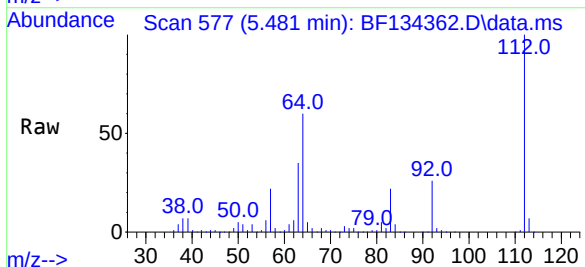
APPROVED

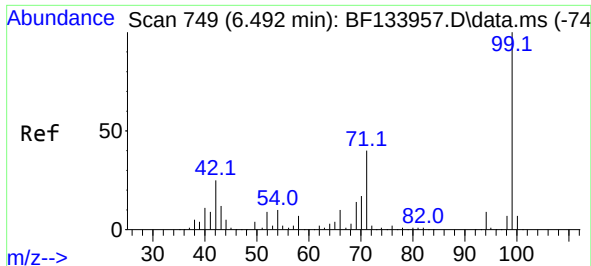
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#5
2-Fluorophenol
Concen: 97.955 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

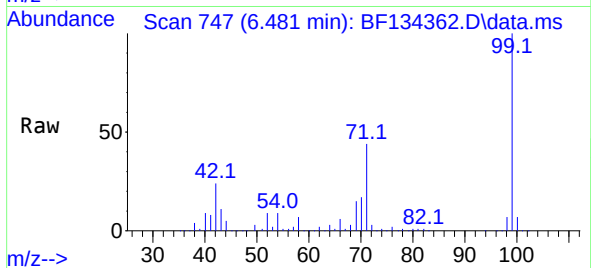
Tgt Ion:112 Resp: 420117
Ion Ratio Lower Upper
112 100
64 59.6 52.1 78.1
63 34.8 28.6 42.8





#7
Phenol-d6
Concen: 95.605 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

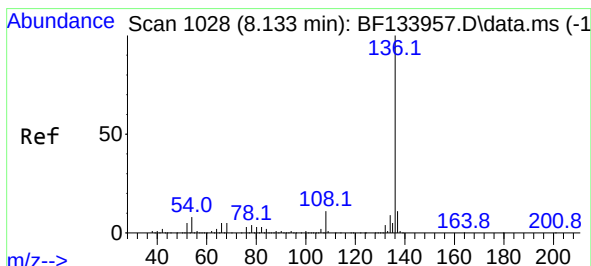
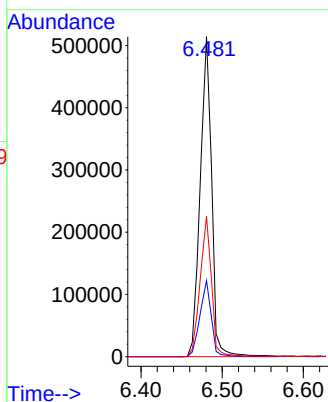
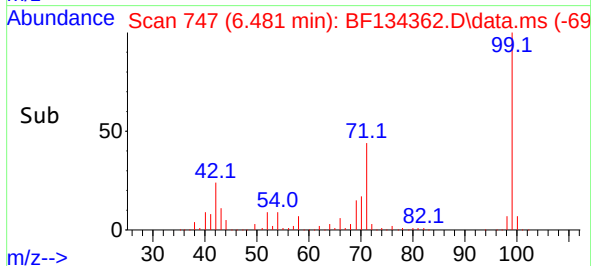
Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)



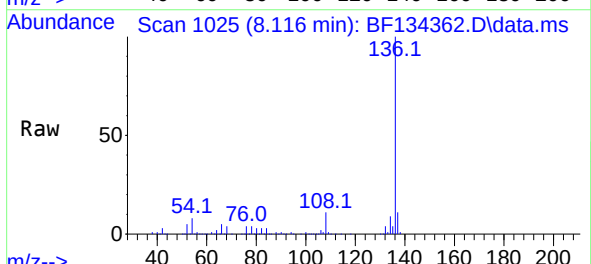
Tgt Ion: 99 Resp: 50426
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 43.9 31.9 47.9

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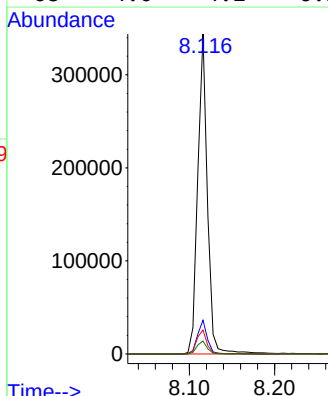
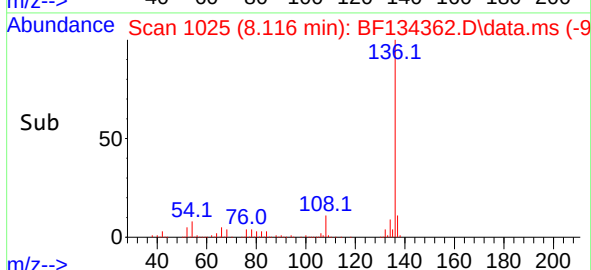
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

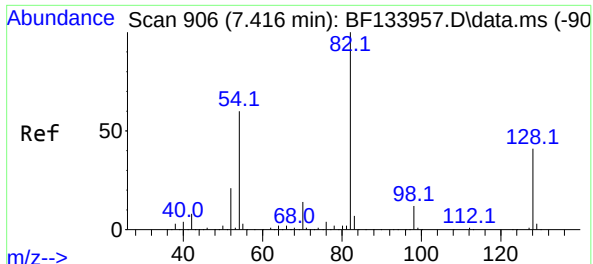


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56



Tgt Ion:136 Resp: 271756
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.5 6.5 9.7
68 4.0 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 68.271 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

RB-48-(0-2)

Tgt Ion: 82 Resp: 344179

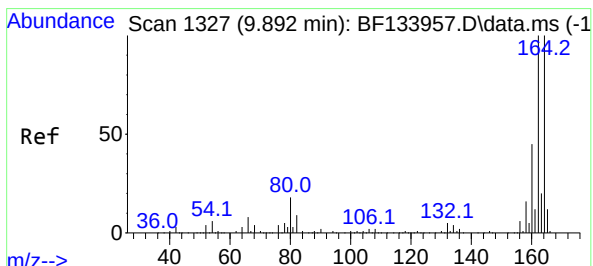
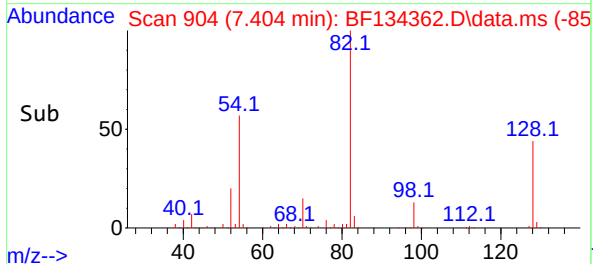
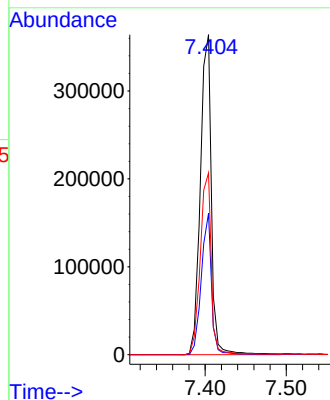
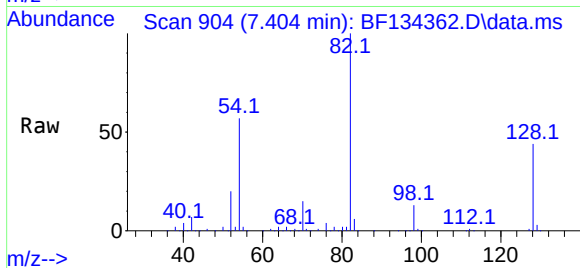
Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.5	48.7
54	56.8	48.2	72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

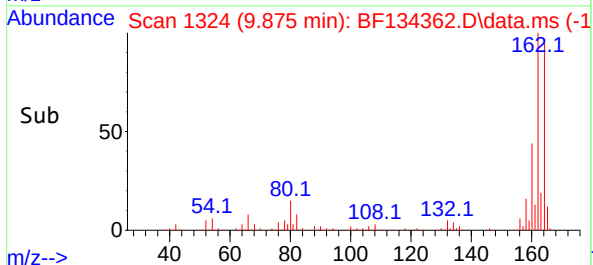
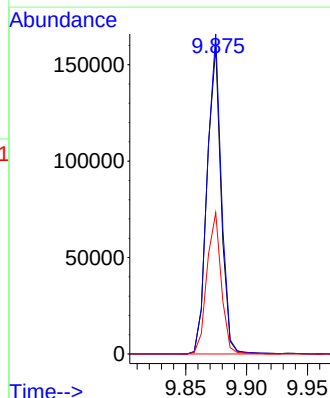
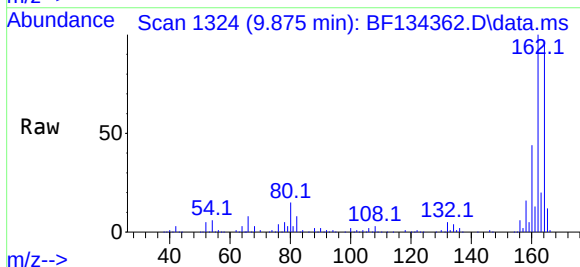
Delta R.T. -0.006 min

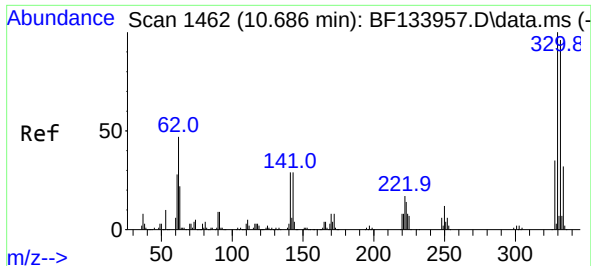
Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Tgt Ion:164 Resp: 127409

Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.0	120.0
160	46.0	35.9	53.9





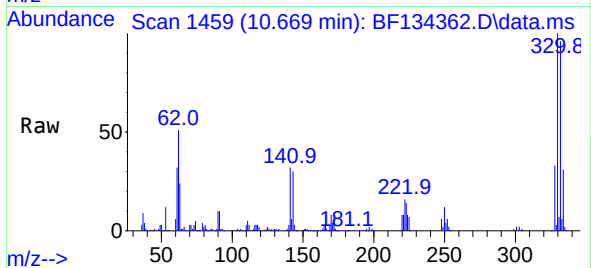
#42
2,4,6-Tribromophenol
Concen: 98.726 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

RB-48-(0-2)



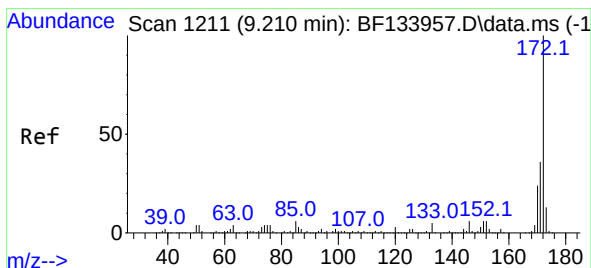
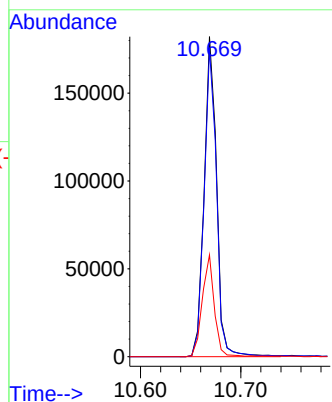
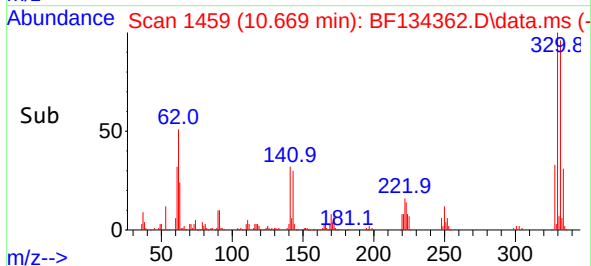
Tgt Ion:330 Resp: 15771
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 31.3 26.3 39.5

Manual Integrations

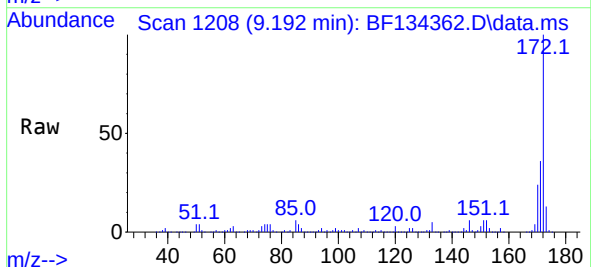
APPROVED

Reviewed By :Yogesh Patel 07/20/2023

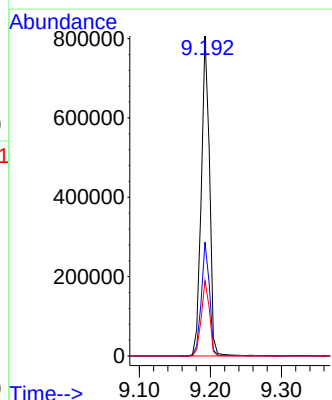
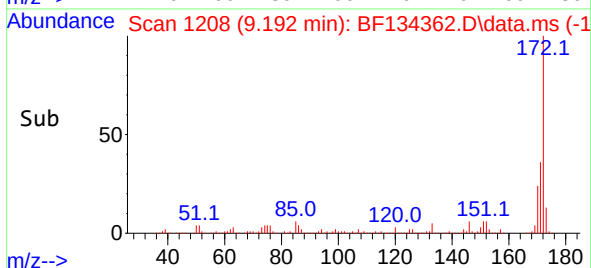
Supervised By :mohammad ahmed 07/20/2023

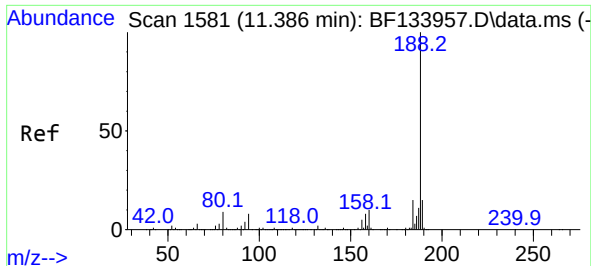


#45
2-Fluorobiphenyl
Concen: 74.420 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56



Tgt Ion:172 Resp: 652162
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.6 19.4 29.0





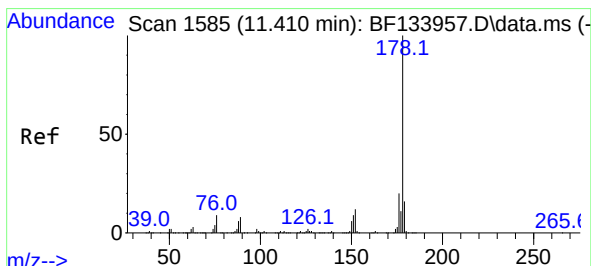
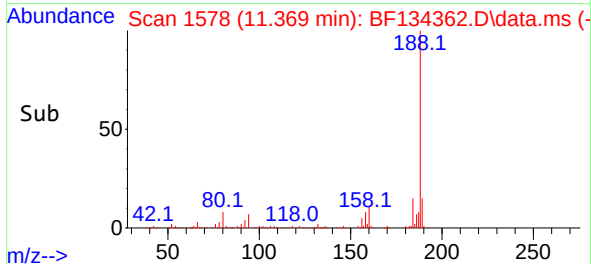
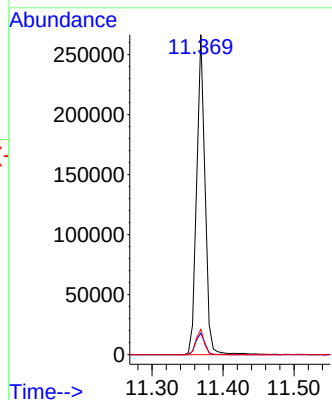
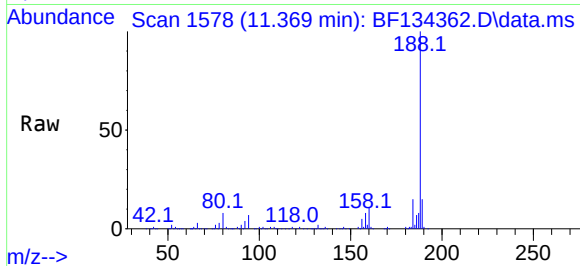
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)

Tgt Ion:188 Resp: 22006
Ion Ratio Lower Upper
188 100
94 6.7 6.4 9.6
80 7.9 7.3 10.9

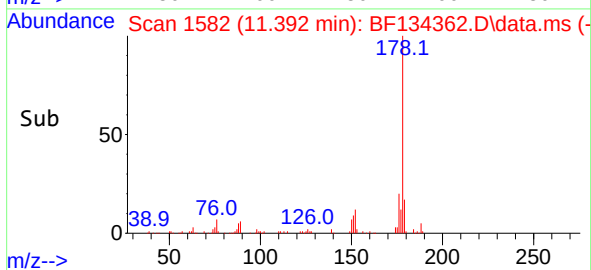
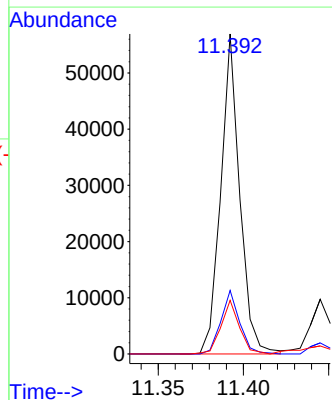
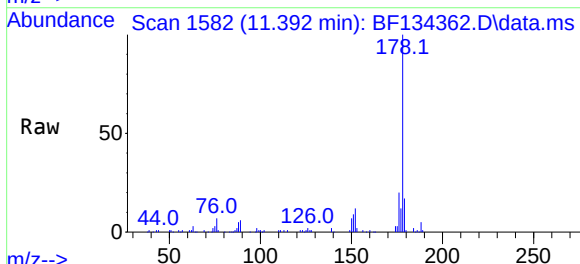
Manual Integrations
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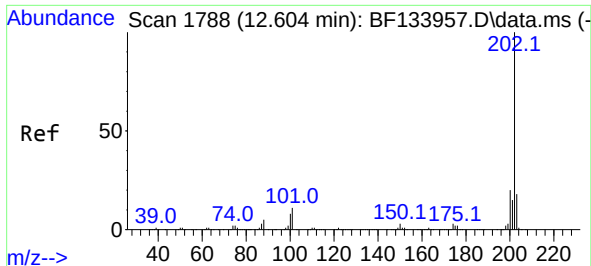
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#71
Phenanthrene
Concen: 3.985 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

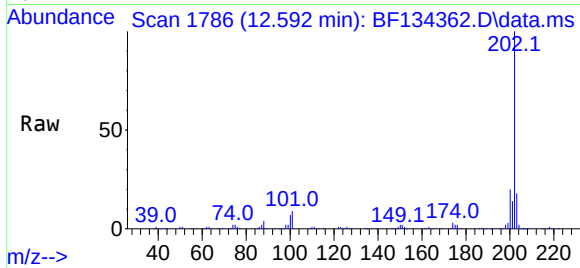
Tgt Ion:178 Resp: 44151
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.7 12.4 18.6





#75
Fluoranthene
Concen: 9.195 ng
RT: 12.592 min Scan# 11012
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

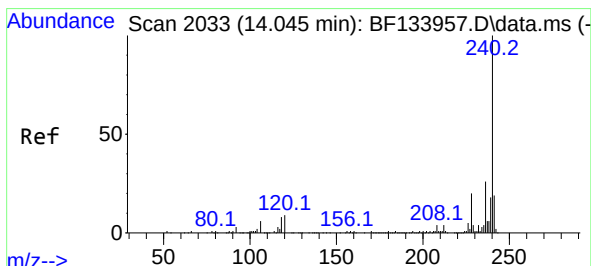
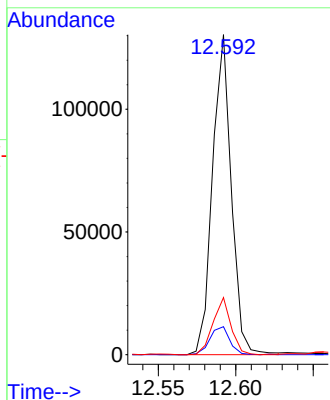
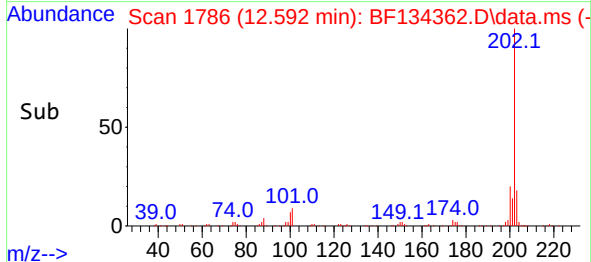
Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)



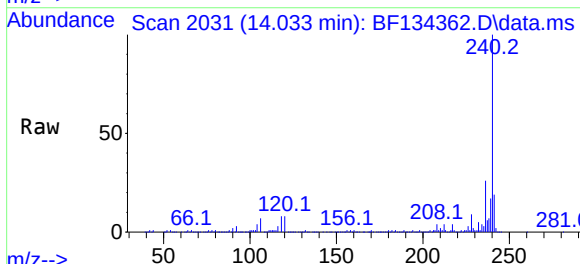
Tgt Ion:202 Resp: 11012
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.0
203 17.8 0.0 37.6

Manual Integrations
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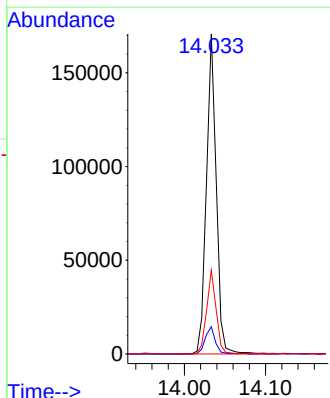
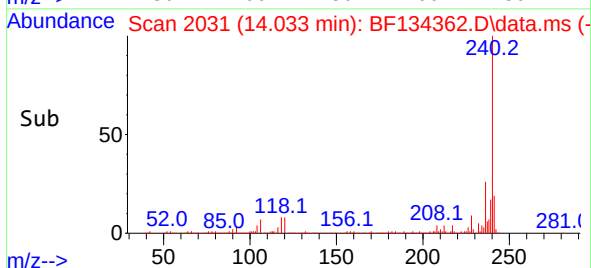
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

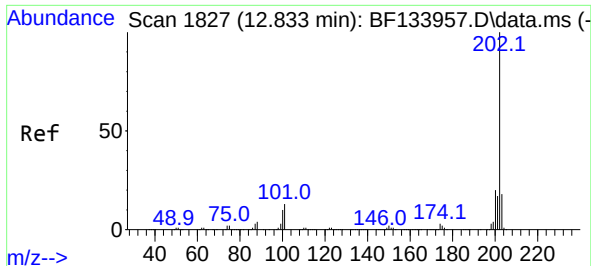


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56



Tgt Ion:240 Resp: 143698
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 26.2 21.0 31.6





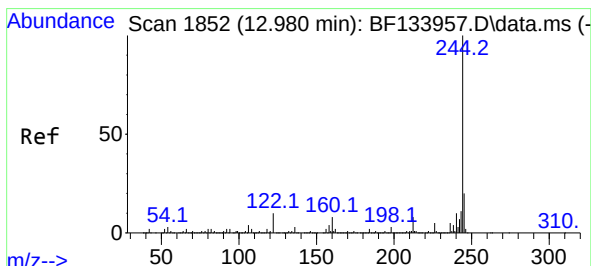
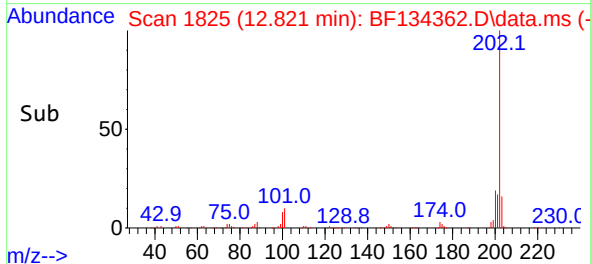
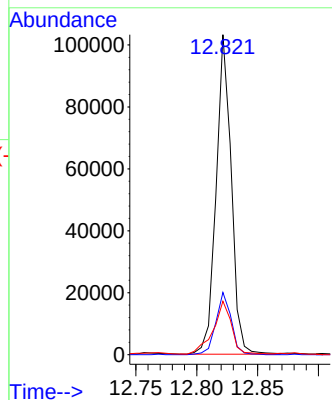
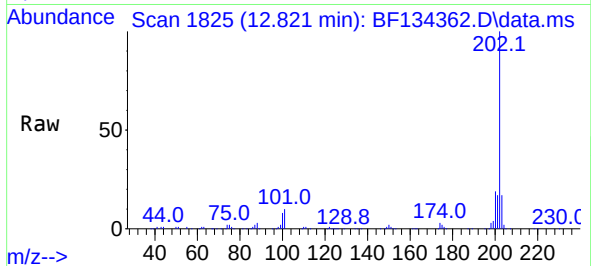
#78
Pyrene
Concen: 6.676 ng
RT: 12.821 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)

Tgt Ion:202 Resp: 89270
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 16.7 14.3 21.5

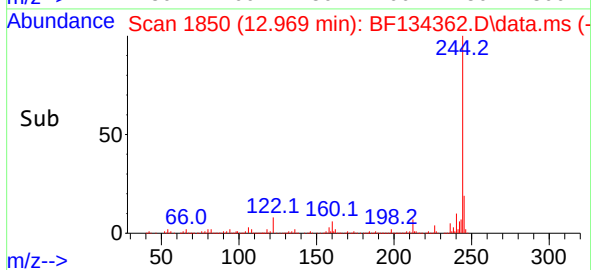
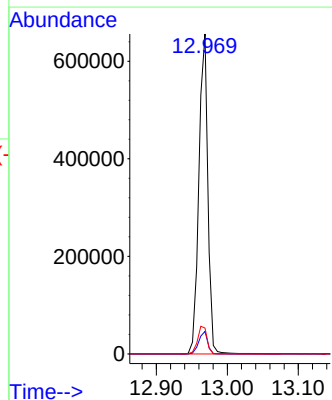
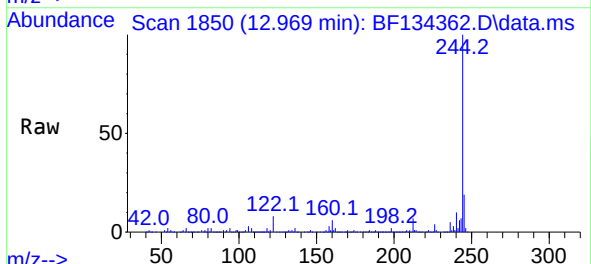
Manual Integrations
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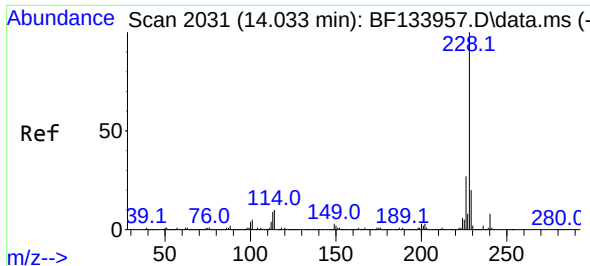
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#79
Terphenyl-d14
Concen: 64.681 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Tgt Ion:244 Resp: 577506
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 8.1 8.3 12.5





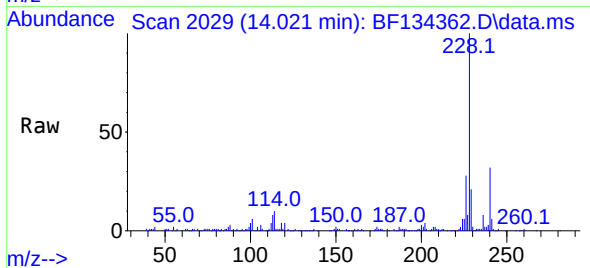
#81
Benzo(a)anthracene
Concen: 6.003 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

RB-48-(0-2)

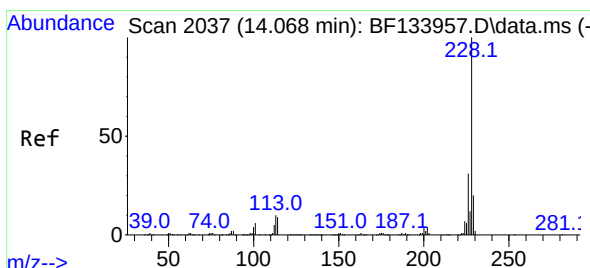
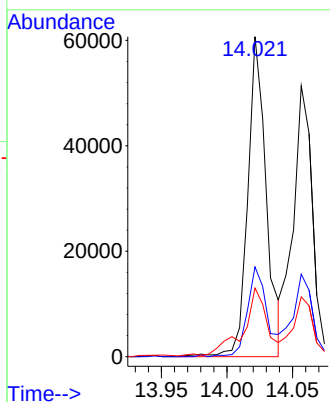
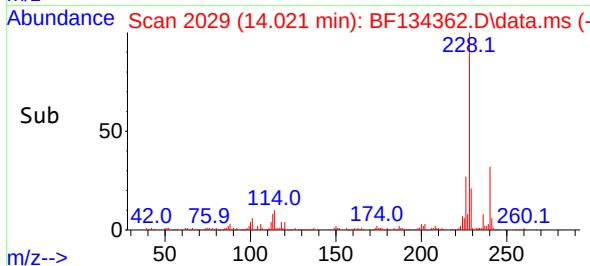


Tgt Ion:228 Resp: 5982
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 21.4 16.3 24.5

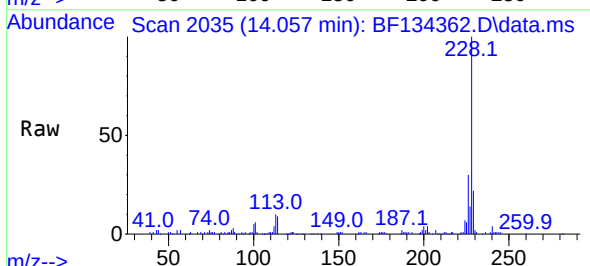
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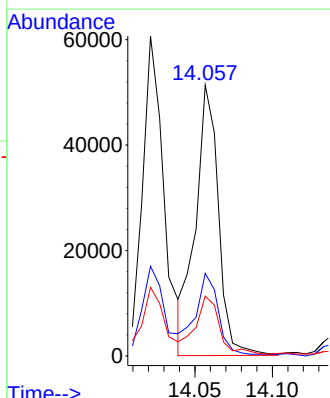
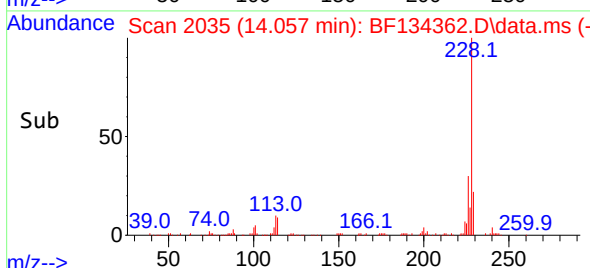
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

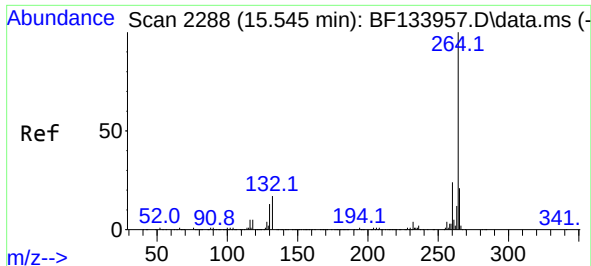


#83
Chrysene
Concen: 5.504 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56



Tgt Ion:228 Resp: 53130
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 22.1 16.1 24.1





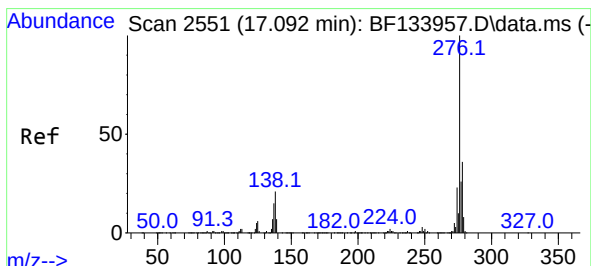
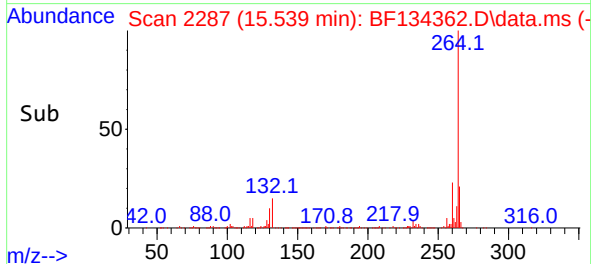
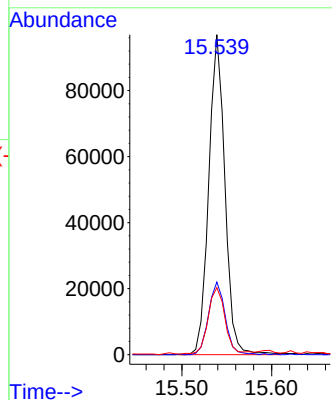
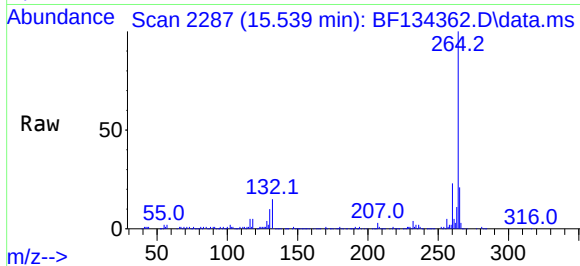
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :
BNA_F
ClientSampleId :
RB-48-(0-2)

Tgt Ion:264 Resp: 121163
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 20.9 16.6 25.0

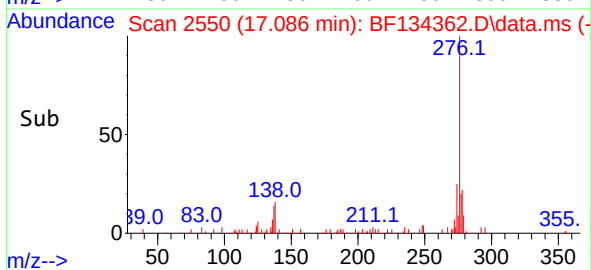
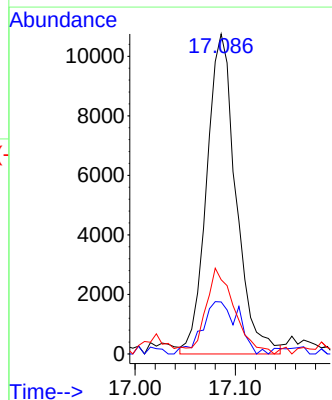
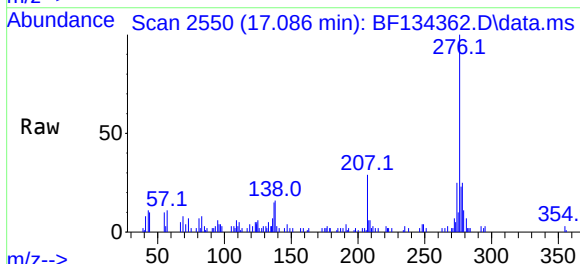
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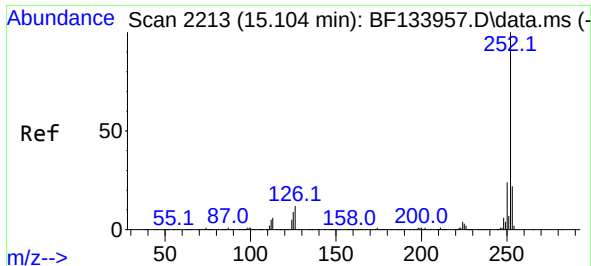
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.600 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Tgt Ion:276 Resp: 21863
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 26.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 8.122 ng m
RT: 15.092 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

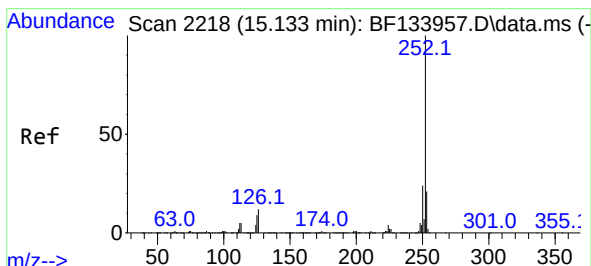
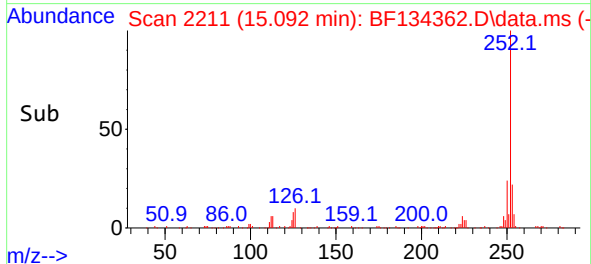
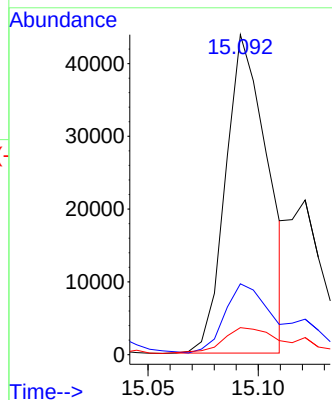
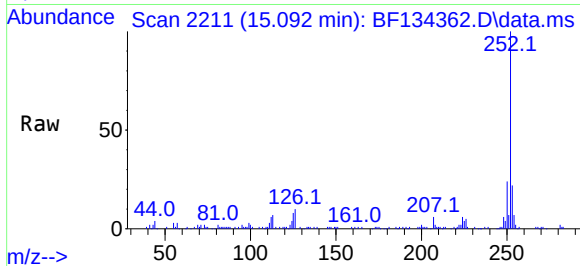
RB-48-(0-2)

Tgt Ion:252 Resp: 5786
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 8.5 7.1 10.7

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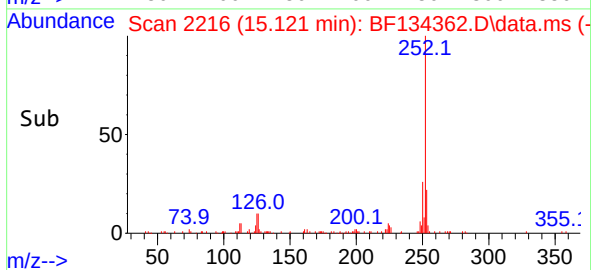
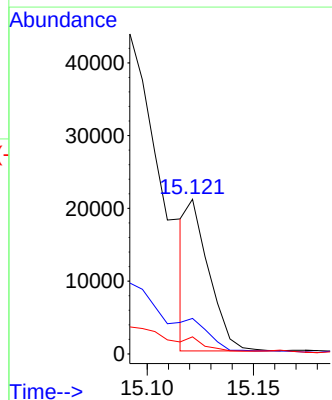
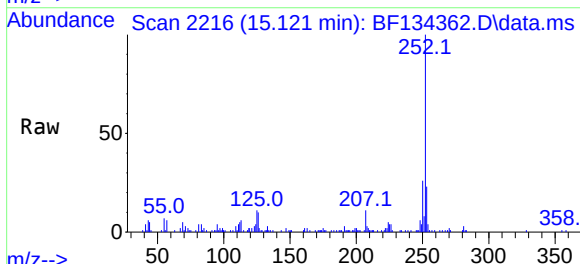
APPROVED

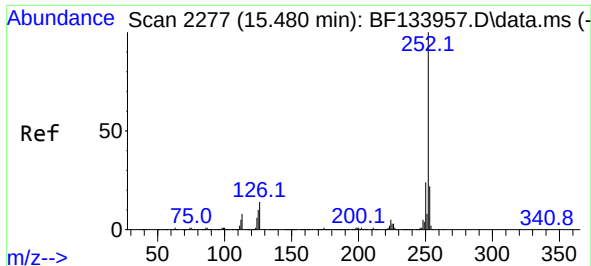
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#89
Benzo(k)fluoranthene
Concen: 2.082 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Tgt Ion:252 Resp: 15099
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 11.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 5.526 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

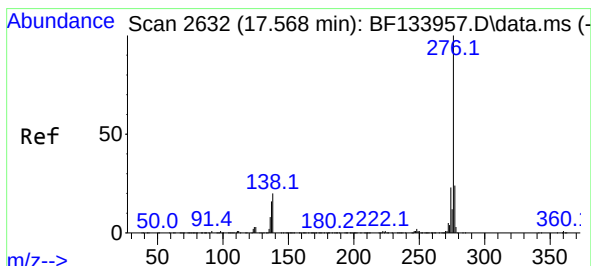
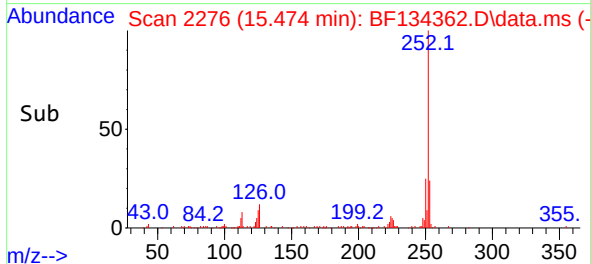
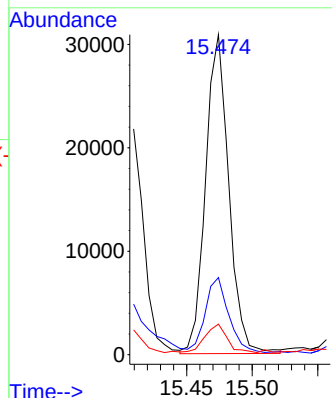
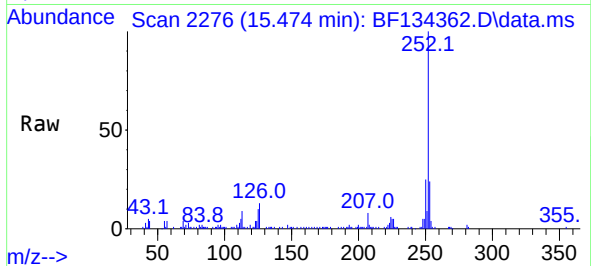
RB-48-(0-2)

Tgt Ion:252 Resp: 38069
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 9.6 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#92
Benzo(g,h,i)perylene
Concen: 2.709 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Tgt Ion:276 Resp: 19185
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.6
138 17.6 16.2 24.2

