

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134329.D
 Acq On : 17 Jul 2023 22:38
 Operator : CG\JU
 Sample : 03597-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 01:18:14 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	6.840	152	69851	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	254658	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	112381	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	199575	20.000	ng	0.00
76) Chrysene-d12	14.027	240	111467	20.000	ng	-0.01
86) Perylene-d12	15.539	264	96580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	368688	88.292	ng	0.00
7) Phenol-d6	6.481	99	438895	85.465	ng	0.00
23) Nitrobenzene-d5	7.398	82	293211	62.066	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	121453	86.196	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	454539	58.805	ng	-0.01
79) Terphenyl-d14	12.963	244	410330	59.246	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.392	178	37523	3.735	ng	100
74) Di-n-butylphthalate	11.933	149	38016	3.342	ng	99
75) Fluoranthene	12.592	202	87987	8.101	ng	96
78) Pyrene	12.822	202	84570	8.152	ng	98
81) Benzo(a)anthracene	14.021	228	34428	4.454	ng	96
83) Chrysene	14.057	228	34727m	4.638	ng	
88) Benzo(b)fluoranthene	15.092	252	34991m	6.161	ng	
90) Benzo(a)pyrene	15.474	252	25867	4.710	ng	97
92) Benzo(g,h,i)perylene	17.551	276	13959	2.473	ng	95

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

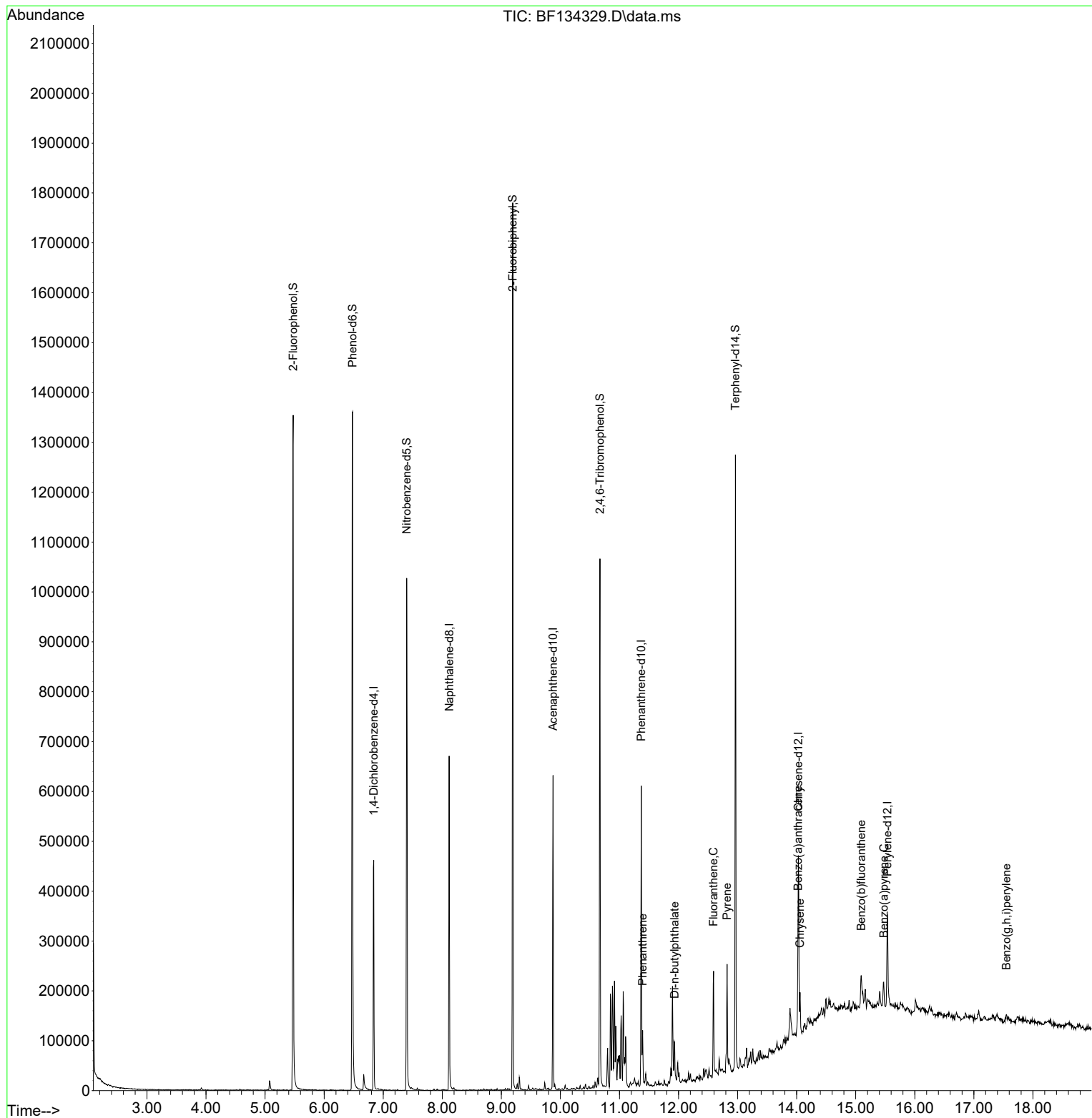
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134329.D
Acq On : 17 Jul 2023 22:38
Operator : CG\JU
Sample : 03597-01
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ALS Vial : 16 Sample Multiplier: 1

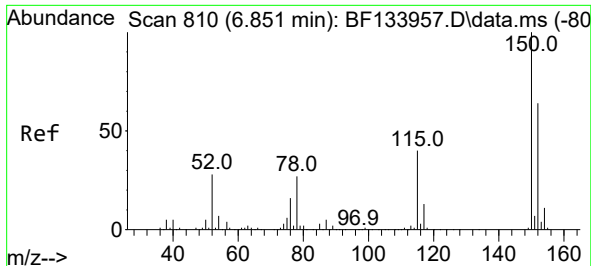
Instrument :
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ClientSampleId :
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Quant Time: Jul 18 01:18:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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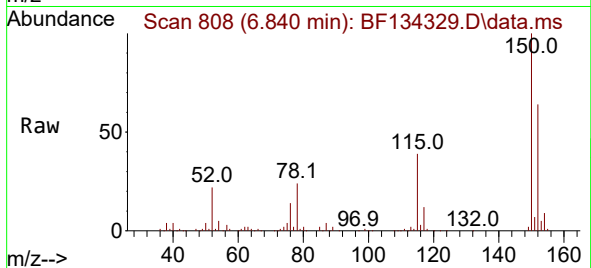
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

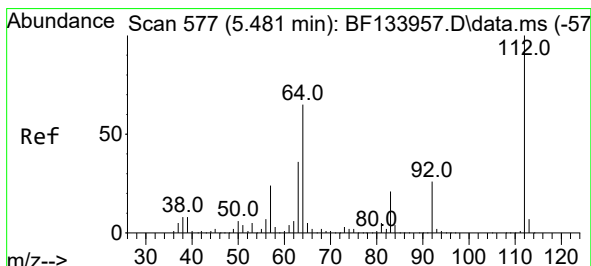
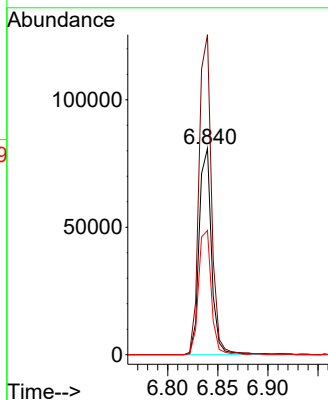
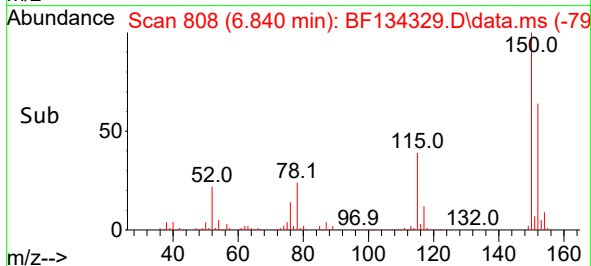
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



Tgt Ion:152 Resp: 6985
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 60.2 50.2 75.2

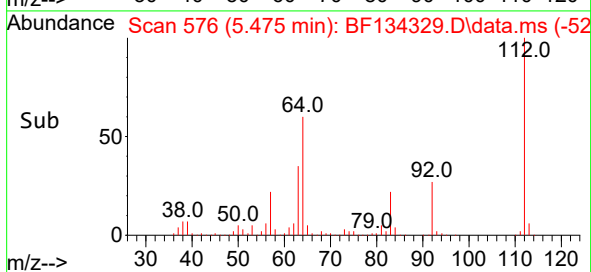
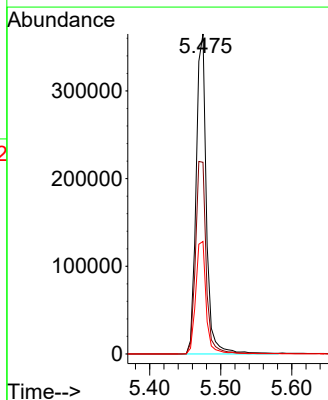
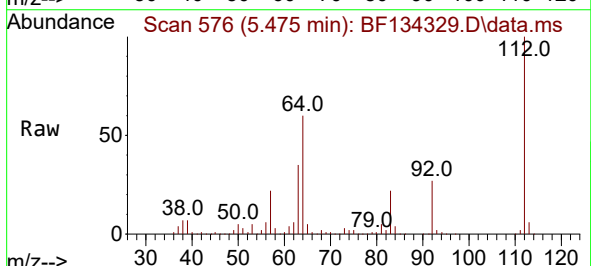
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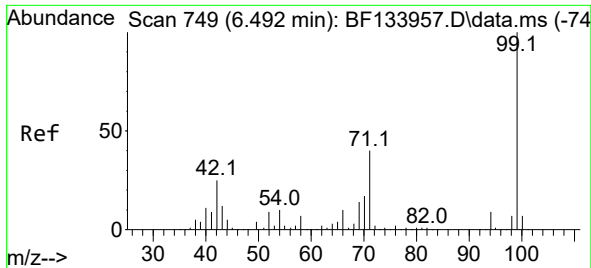
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 88.292 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

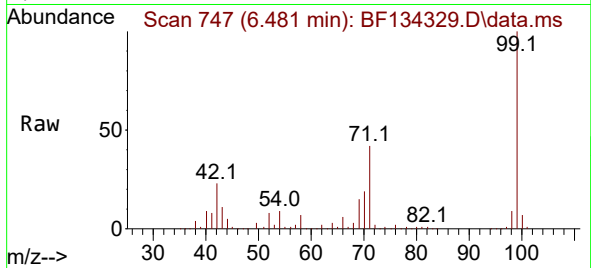
Tgt Ion:112 Resp: 368688
Ion Ratio Lower Upper
112 100
64 59.9 52.1 78.1
63 35.2 28.6 42.8





#7
Phenol-d6
Concen: 85.465 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

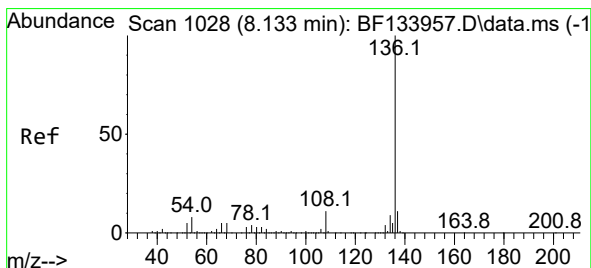
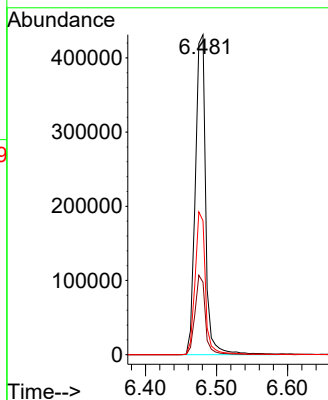
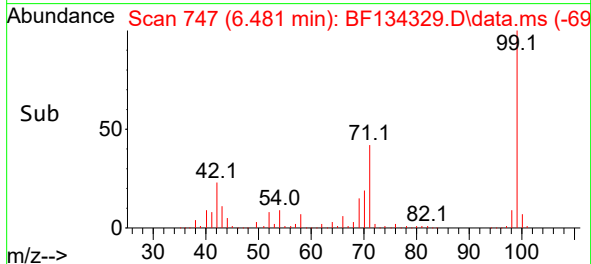
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



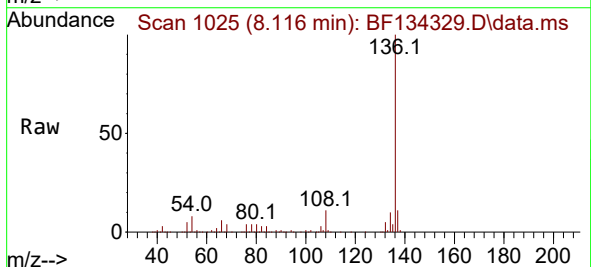
Tgt Ion: 99 Resp: 43889
Ion Ratio Lower Upper
99 100
42 22.7 19.8 29.6
71 41.9 31.9 47.9

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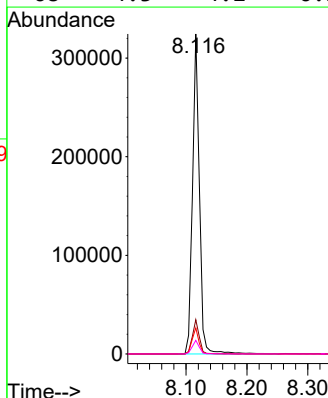
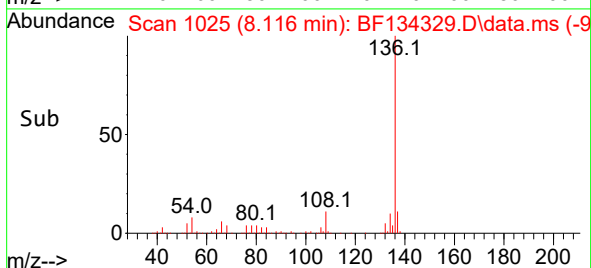
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

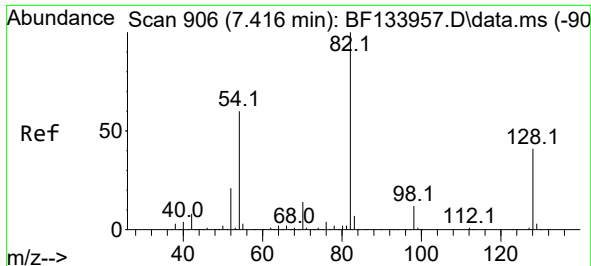


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38



Tgt Ion:136 Resp: 254658
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.2 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 62.066 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

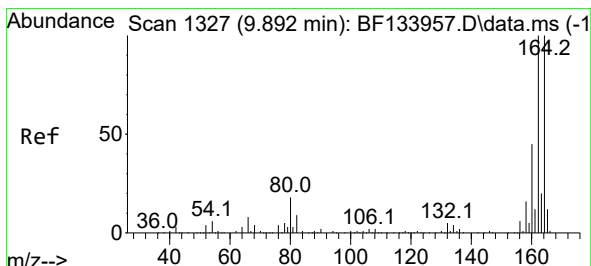
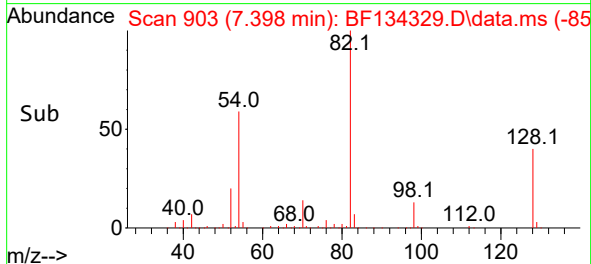
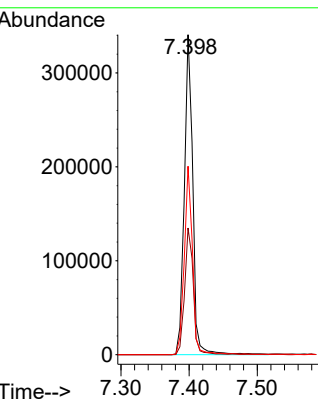
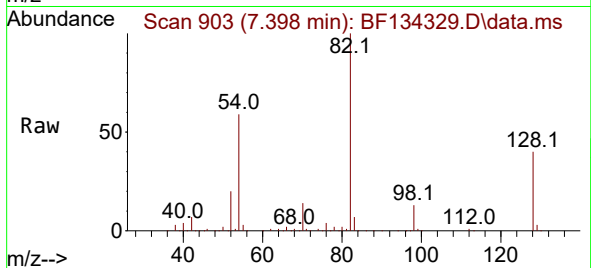
RB-42-(1-3)

Tgt Ion: 82 Resp: 29321
 Ion Ratio Lower Upper
 82 100
 128 39.6 32.5 48.7
 54 58.9 48.2 72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

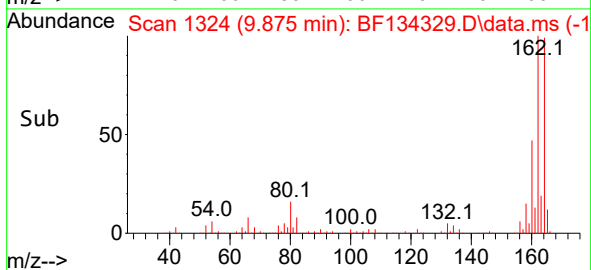
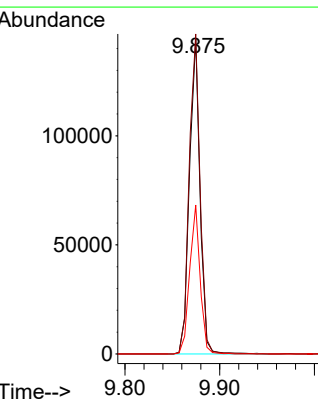
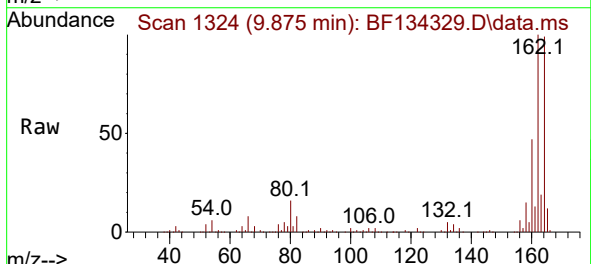
RT: 9.875 min Scan# 1324

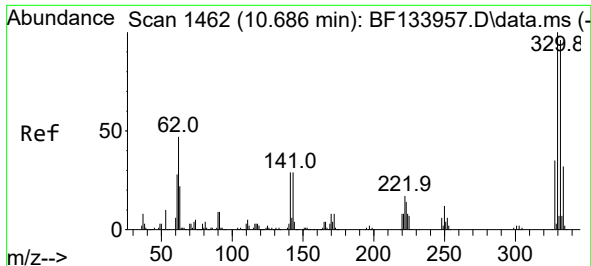
Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

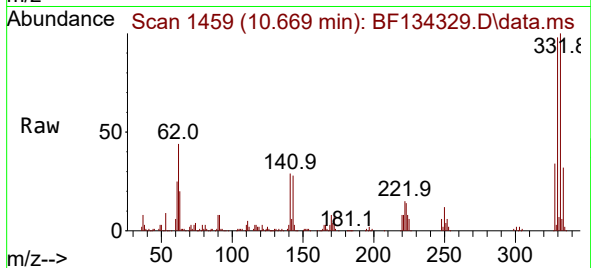
Tgt Ion:164 Resp: 112381
 Ion Ratio Lower Upper
 164 100
 162 101.5 80.0 120.0
 160 47.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 86.196 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

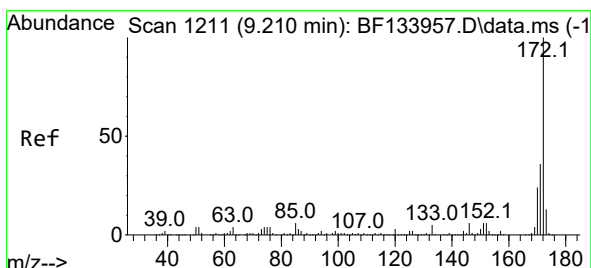
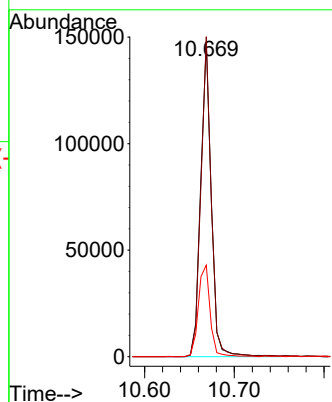
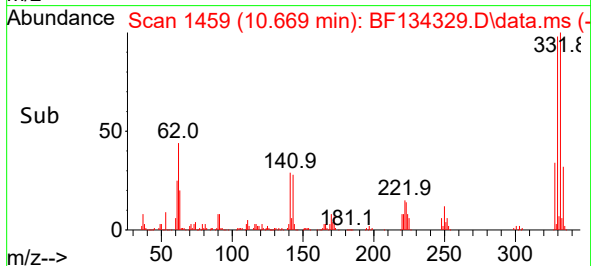
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



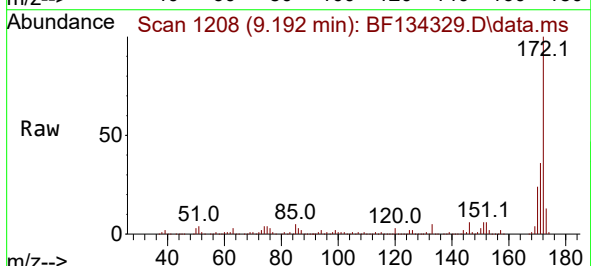
Tgt Ion: 330 Resp: 12145
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 32.3 26.3 39.5

Manual Integrations
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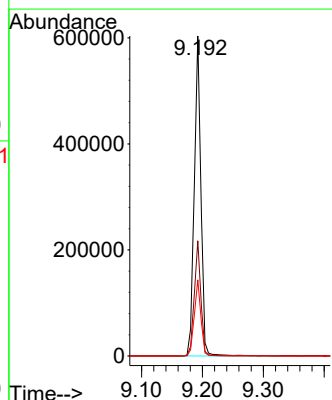
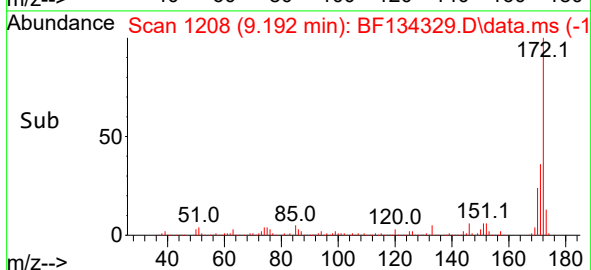
Reviewed By : Yogesh Patel 07/19/2023
Supervised By : mohammad ahmed 07/19/2023

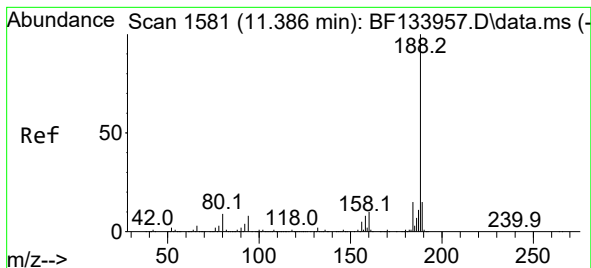


#45
2-Fluorobiphenyl
Concen: 58.805 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38



Tgt Ion: 172 Resp: 454539
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.8 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

Tgt Ion:188 Resp: 19957

Ion Ratio Lower Upper

188 100

94 7.1 6.4 9.6

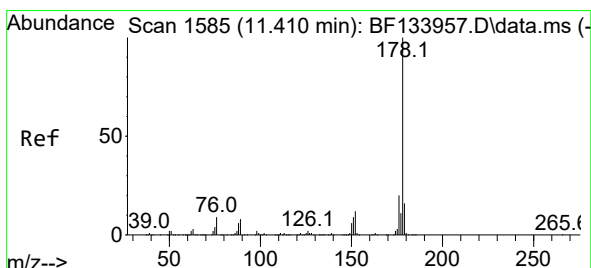
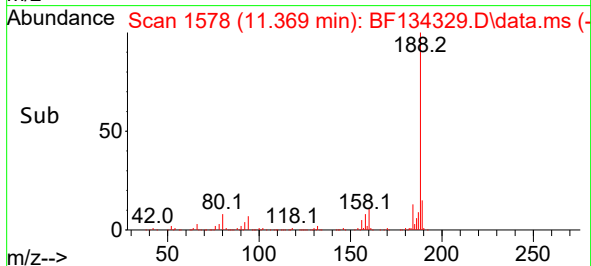
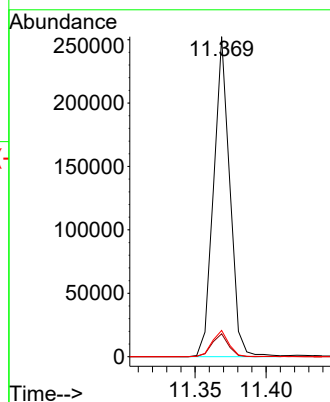
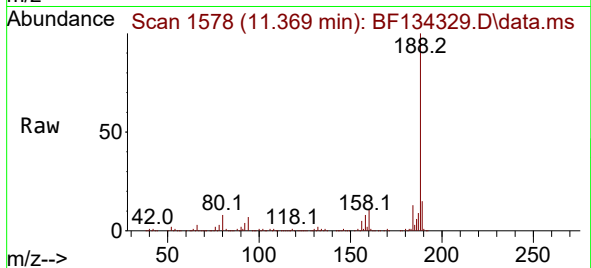
80 8.2 7.3 10.9

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#71

Phenanthrene

Concen: 3.735 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

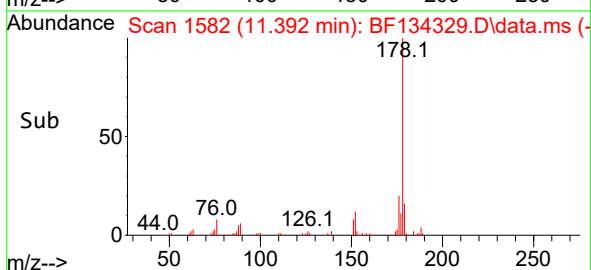
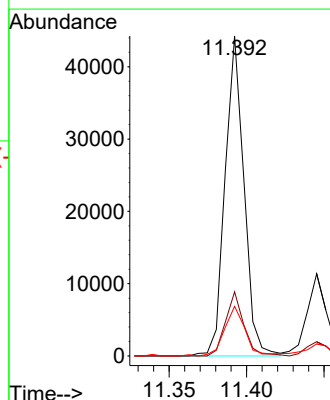
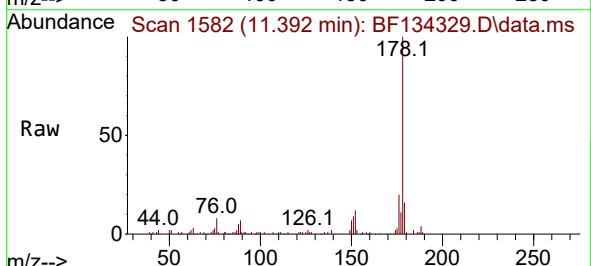
Tgt Ion:178 Resp: 37523

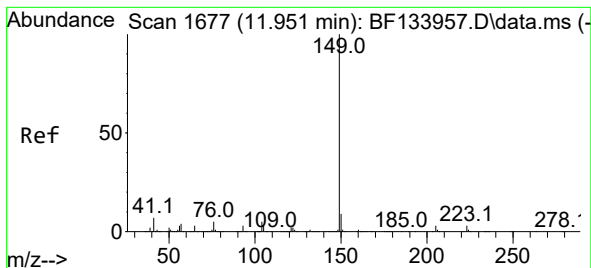
Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

179 15.5 12.4 18.6





#74

Di-n-butylphthalate

Concen: 3.342 ng

RT: 11.933 min Scan# 1674

Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

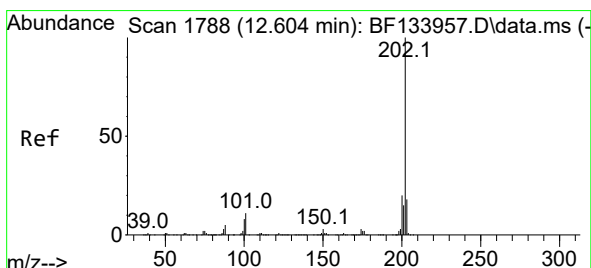
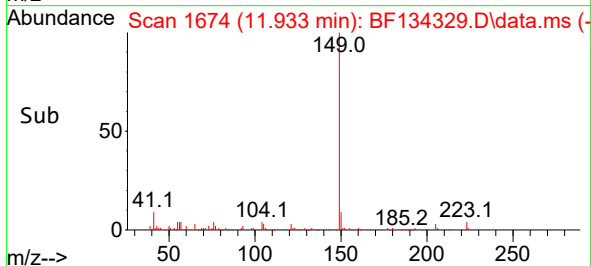
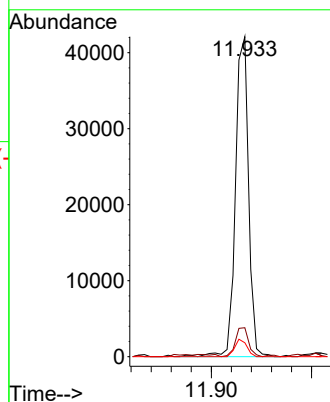
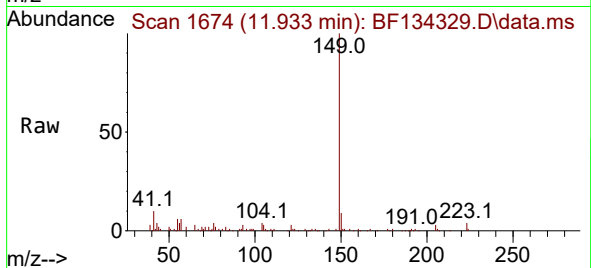
Tgt Ion:	149	Resp:	38010
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.1	10.7
104	4.4	4.0	6.0

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#75

Fluoranthene

Concen: 8.101 ng

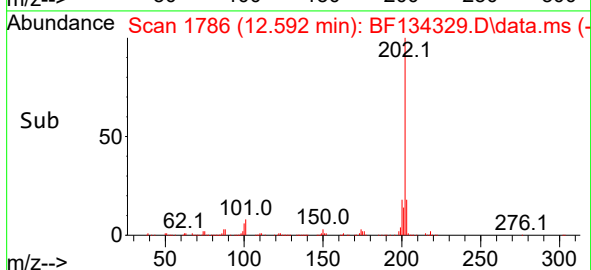
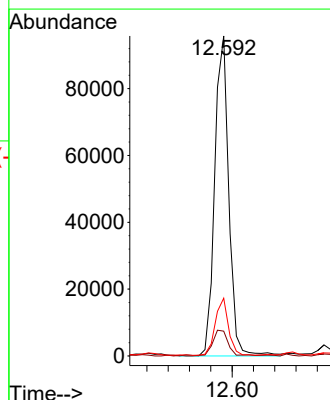
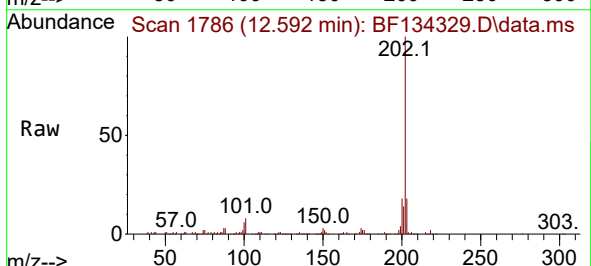
RT: 12.592 min Scan# 1786

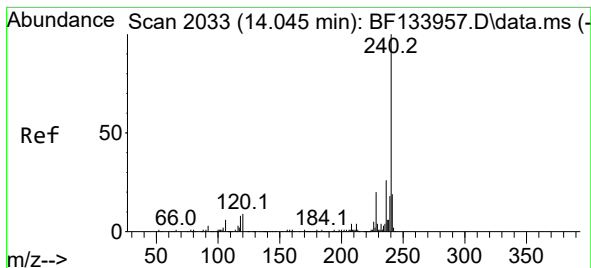
Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Tgt Ion:	202	Resp:	87987
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	31.0
203	18.0	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

Tgt Ion:240 Resp: 11146

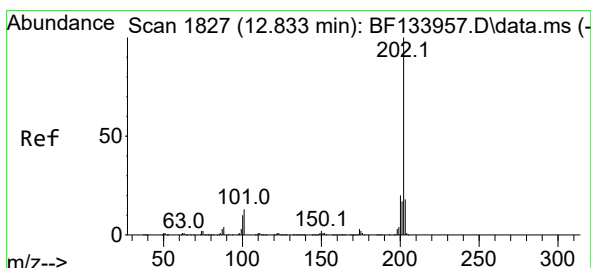
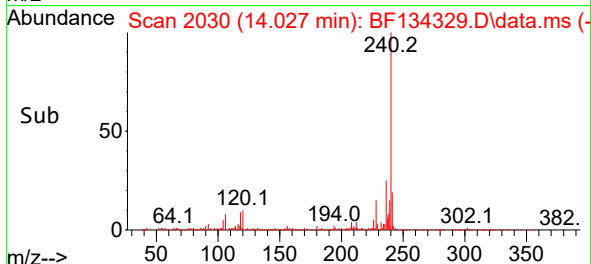
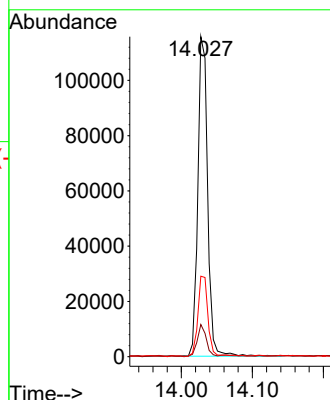
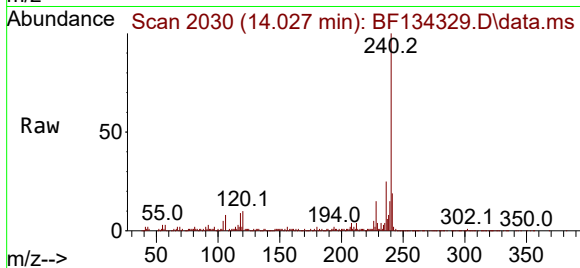
Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.4	11.0
236	25.1	21.0	31.6

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 8.152 ng

RT: 12.822 min Scan# 1825

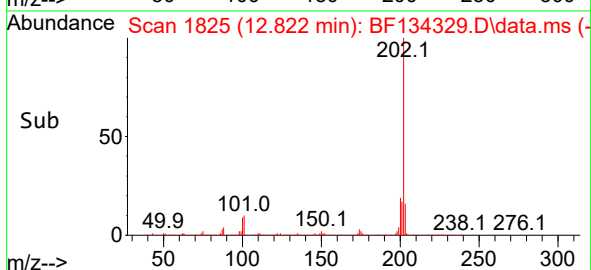
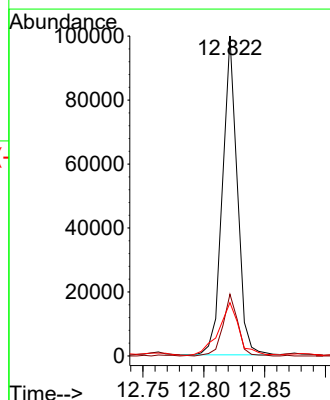
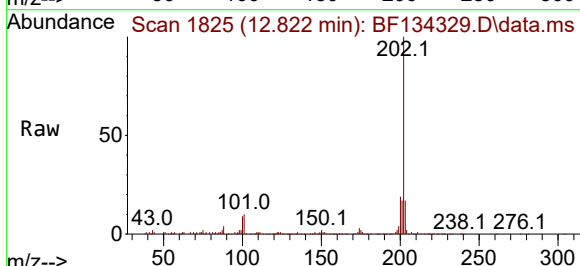
Delta R.T. -0.012 min

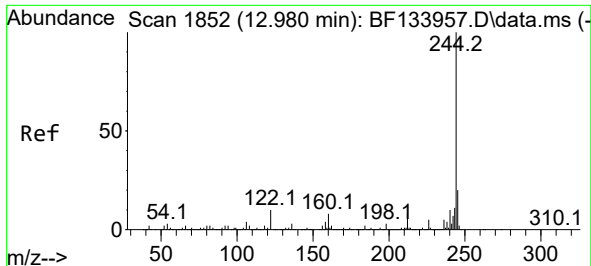
Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Tgt Ion:202 Resp: 84570

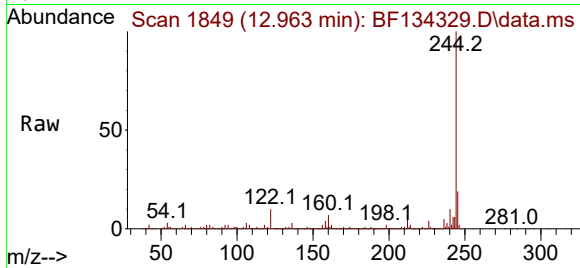
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	16.6	14.3	21.5





#79
 Terphenyl-d14
 Concen: 59.246 ng
 RT: 12.963 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134329.D
 Acq: 17 Jul 2023 22:38

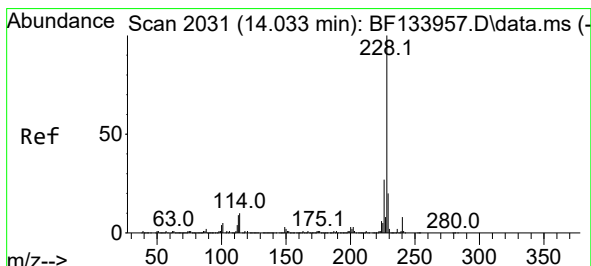
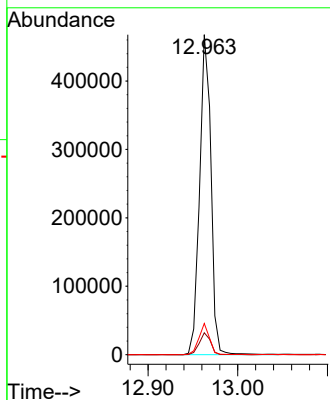
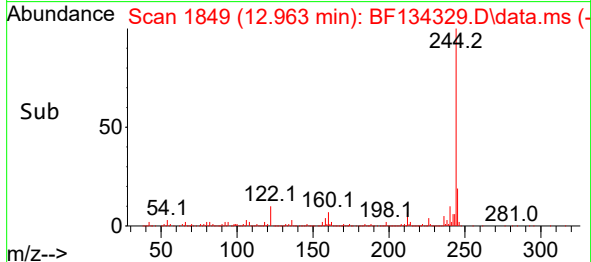
Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)



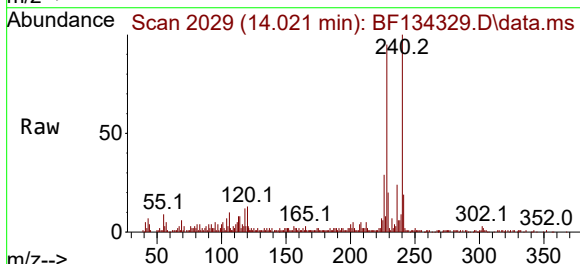
Tgt Ion:244 Resp: 410330
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 8.3 12.5

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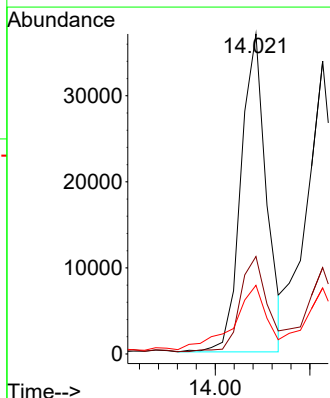
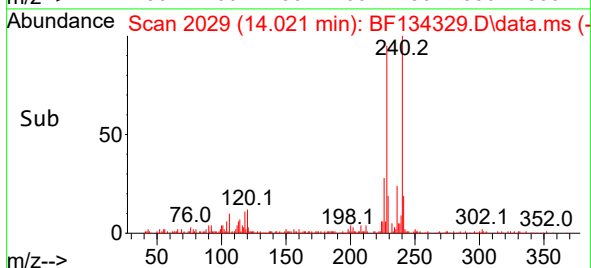
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

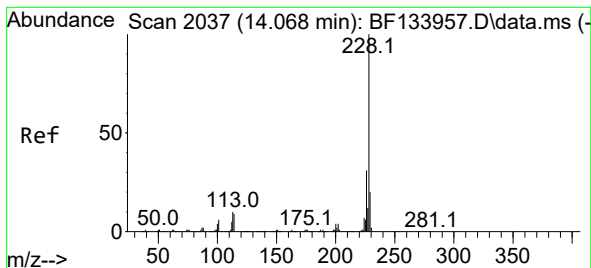


#81
 Benzo(a)anthracene
 Concen: 4.454 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134329.D
 Acq: 17 Jul 2023 22:38



Tgt Ion:228 Resp: 34428
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.0 33.0
 229 21.4 16.3 24.5





#83

Chrysene

Concen: 4.638 ng m

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

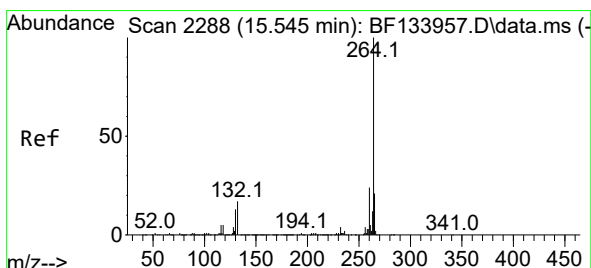
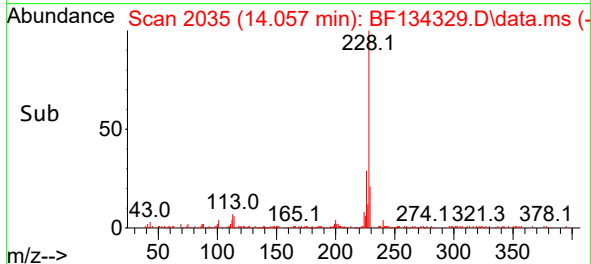
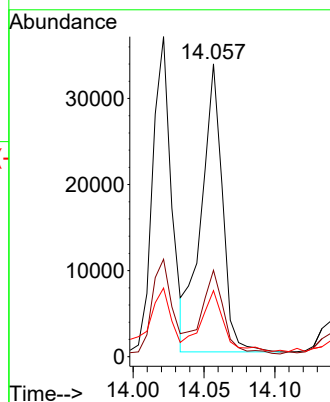
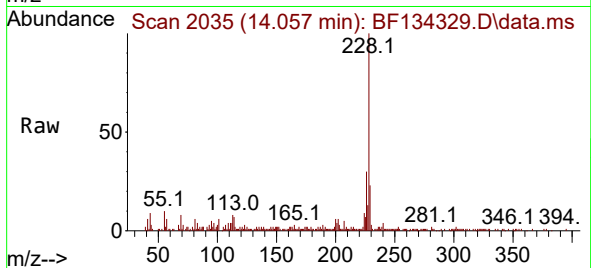
Tgt Ion:	228	Resp:	3472
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.4	36.6
229	22.6	16.1	24.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#86

Perylene-d12

Concen: 20.000 ng

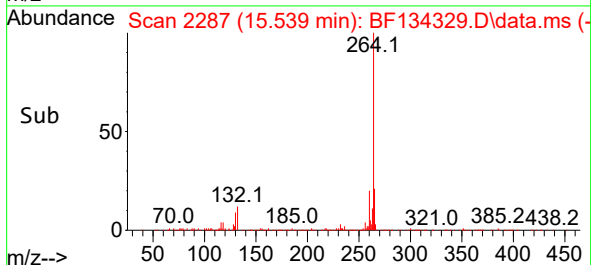
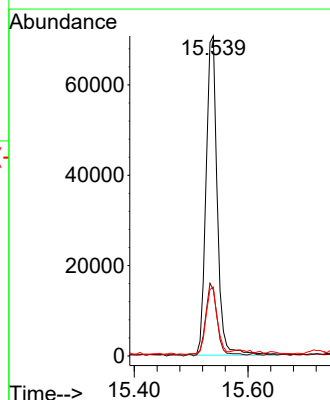
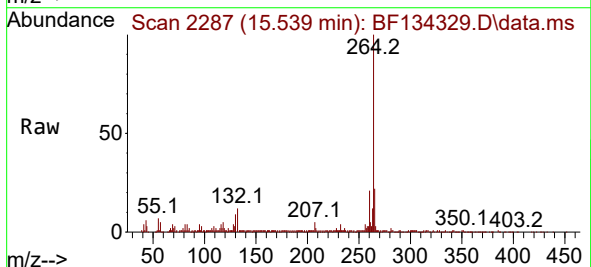
RT: 15.539 min Scan# 2287

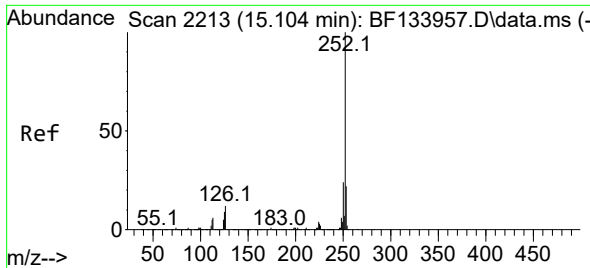
Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Tgt Ion:	264	Resp:	96580
Ion Ratio	Lower	Upper	
264	100		
260	20.7	19.5	29.3
265	21.6	16.6	25.0





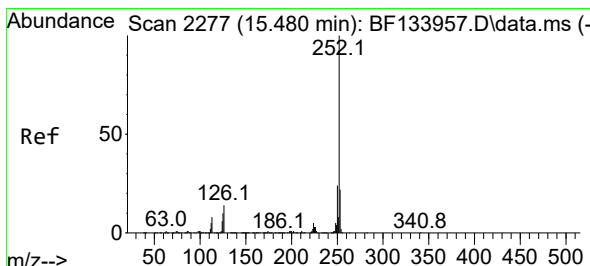
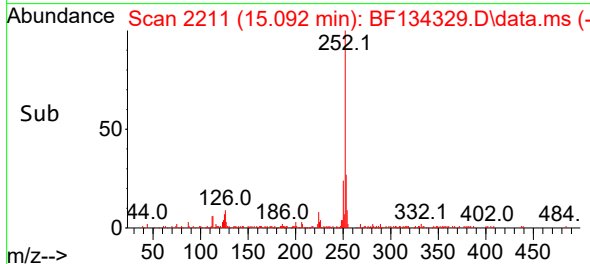
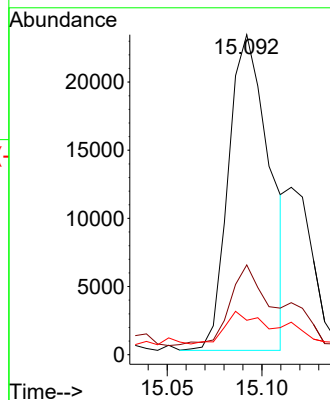
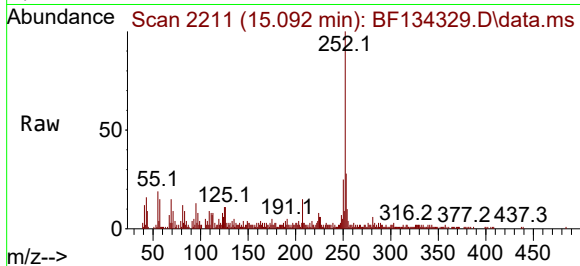
#88
Benzo(b)fluoranthene
Concen: 6.161 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:252 Resp: 3499
Ion Ratio Lower Upper
252 100
253 28.1 17.4 26.0
125 10.7 7.1 10.7

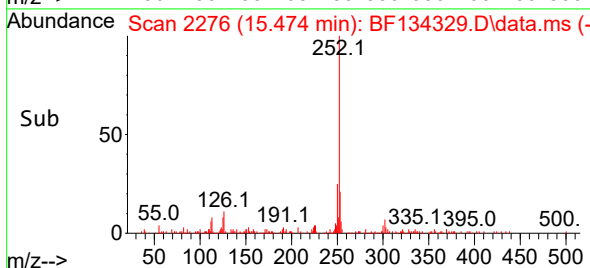
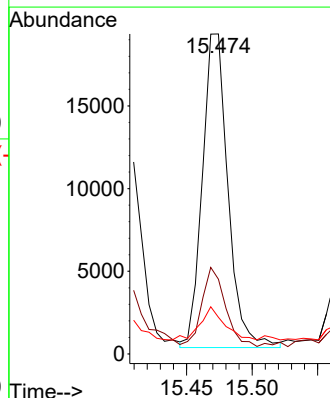
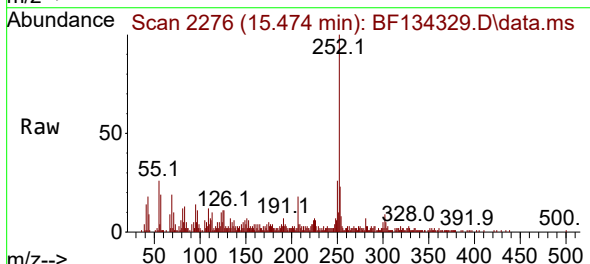
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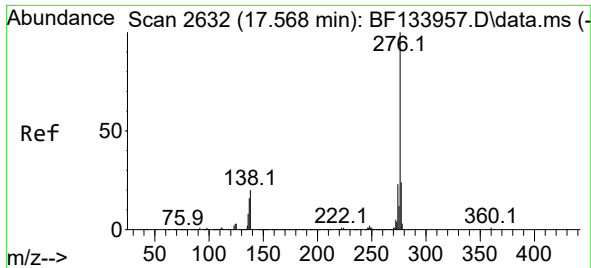
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 4.710 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

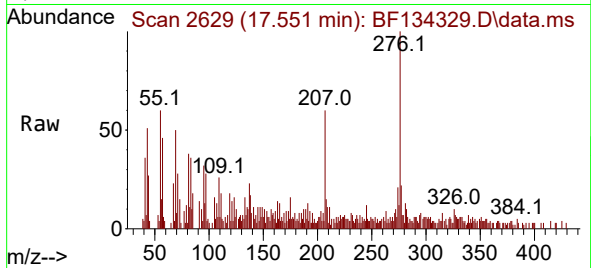
Tgt Ion:252 Resp: 25867
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.5 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 2.473 ng
RT: 17.551 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



Tgt Ion:	276	Resp:	1395
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.0	28.6
138	16.9	16.2	24.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

