

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134312.D
 Acq On : 15 Jul 2023 03:41
 Operator : CG\JU
 Sample : 03597-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-46-(2-5)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 15 04:36:15 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	78407	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	295650	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	144353	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	263514	20.000	ng	0.00
76) Chrysene-d12	14.033	240	178621	20.000	ng	0.00
86) Perylene-d12	15.539	264	144196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	398377	84.991	ng	0.00
7) Phenol-d6	6.475	99	475197	82.436	ng	-0.01
23) Nitrobenzene-d5	7.404	82	327540	59.720	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	152300	84.148	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	595626	59.990	ng	0.00
79) Terphenyl-d14	12.969	244	567410	51.125	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	57155	4.308	ng	99
75) Fluoranthene	12.592	202	101543	7.080	ng	98
78) Pyrene	12.827	202	94161	5.664	ng	96
81) Benzo(a)anthracene	14.027	228	45050m	3.637	ng	
83) Chrysene	14.063	228	50188	4.183	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	21439	2.143	ng	95
88) Benzo(b)fluoranthene	15.098	252	51599m	6.086	ng	
90) Benzo(a)pyrene	15.474	252	34098	4.159	ng	98
92) Benzo(g,h,i)perylene	17.557	276	19422	2.304	ng	96

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

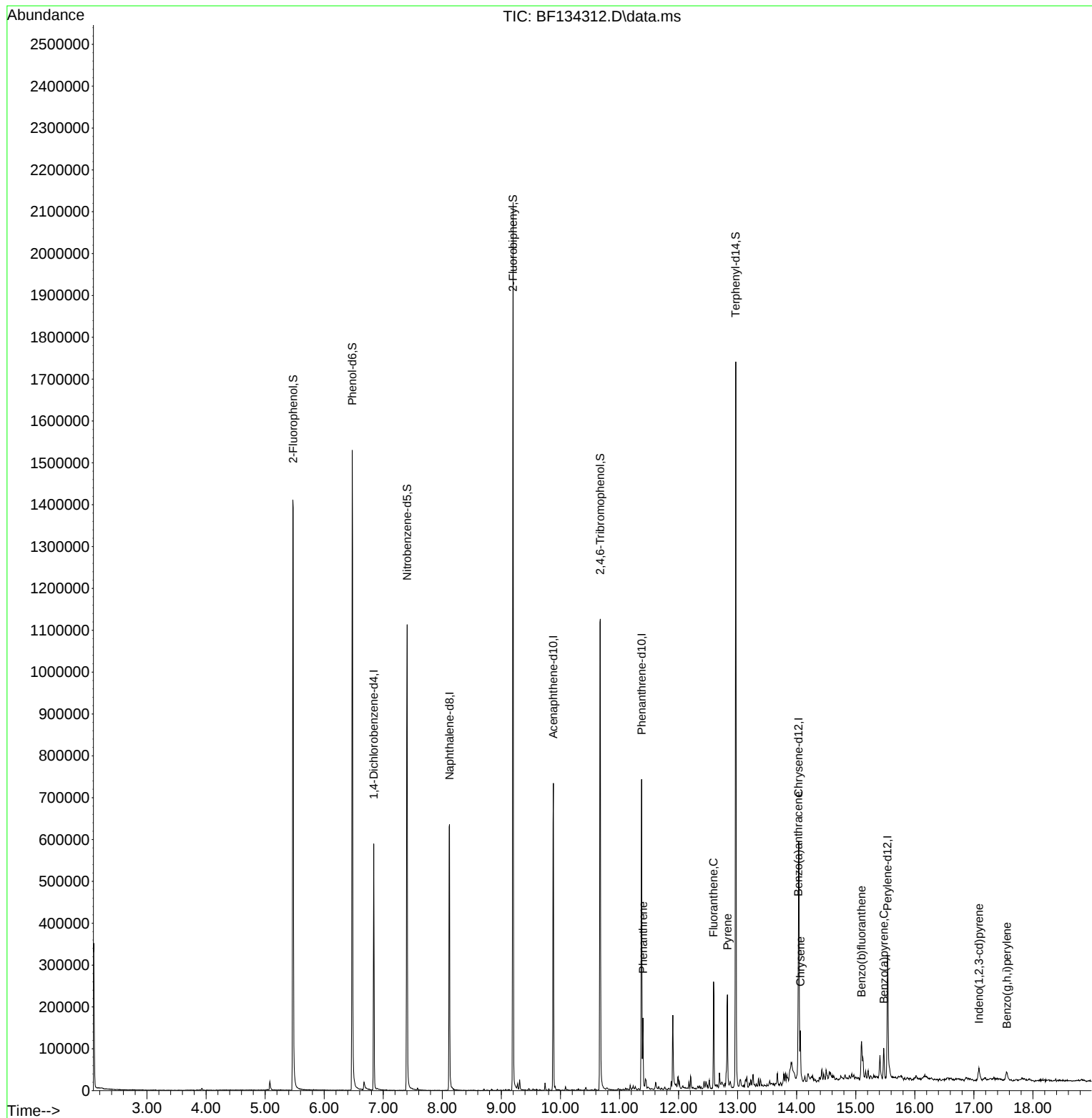
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
Data File : BF134312.D
Acq On : 15 Jul 2023 03:41
Operator : CG\JU
Sample : 03597-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

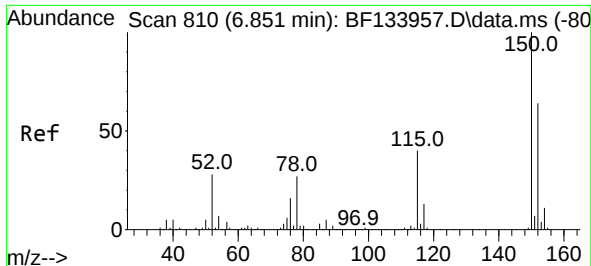
Instrument :
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ClientSampleId :
RB-46-(2-5)

Quant Time: Jul 15 04:36:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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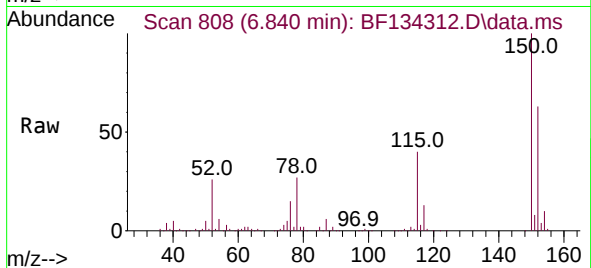
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

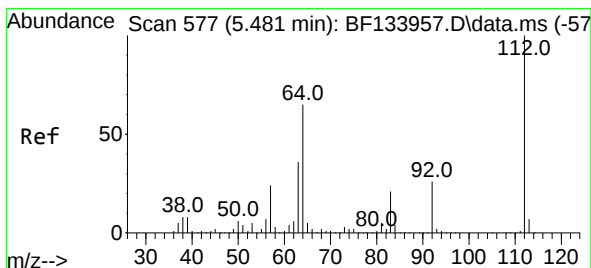
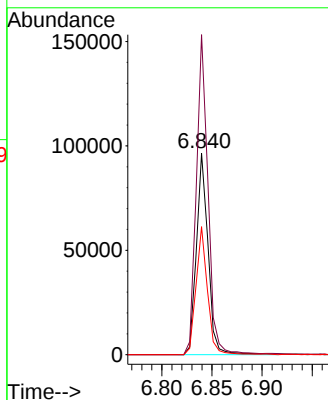
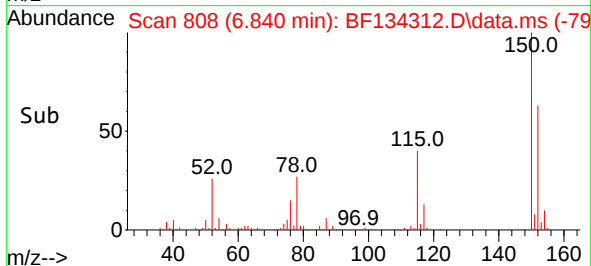
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



Tgt Ion:152 Resp: 7840
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 63.6 50.2 75.2

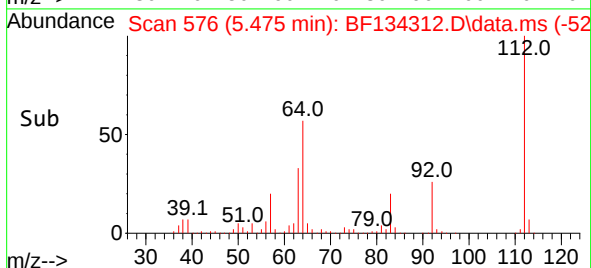
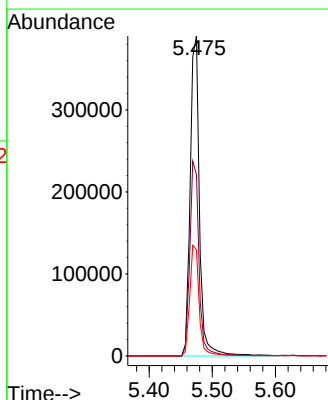
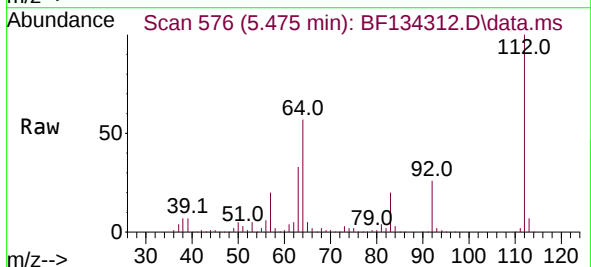
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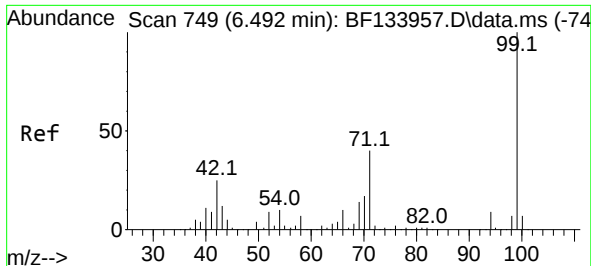
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 84.991 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

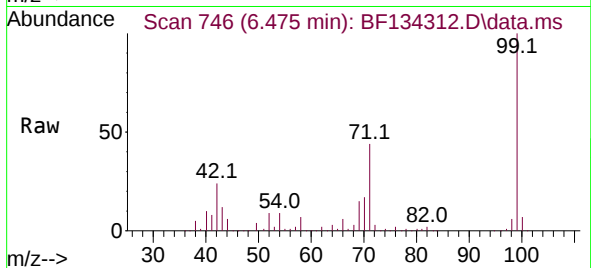
Tgt Ion:112 Resp: 398377
Ion Ratio Lower Upper
112 100
64 56.7 52.1 78.1
63 33.2 28.6 42.8





#7
Phenol-d6
Concen: 82.436 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

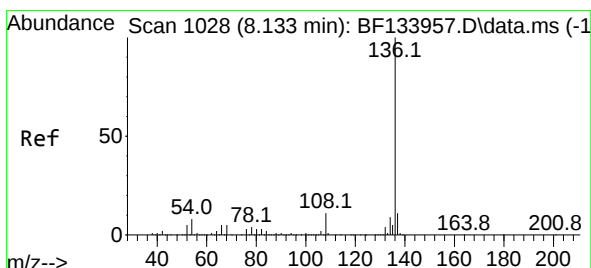
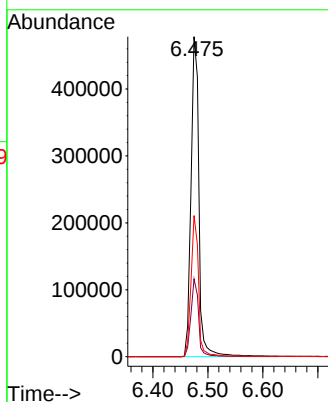
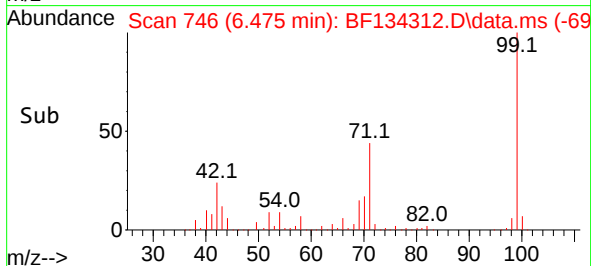
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



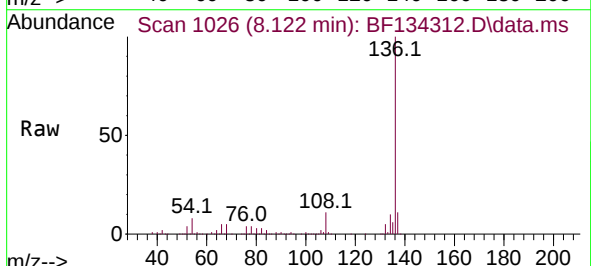
Tgt Ion: 99 Resp: 47519
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 44.1 31.9 47.9

Manual Integrations
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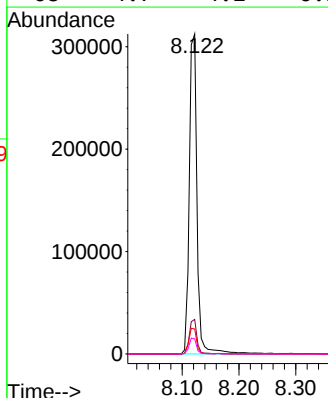
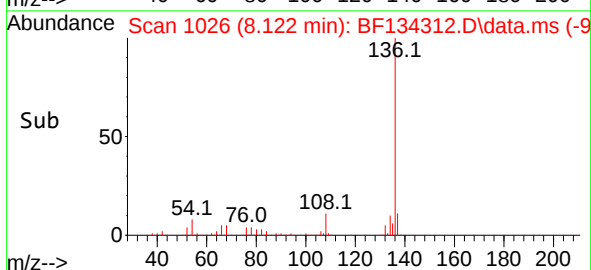
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

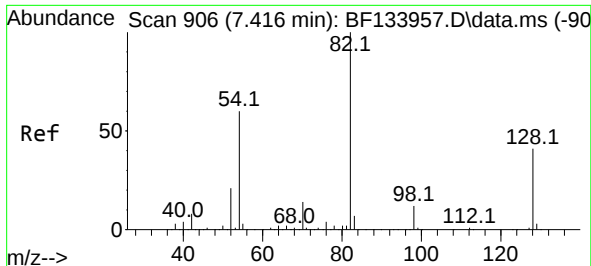


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41



Tgt Ion:136 Resp: 295650
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.8 6.5 9.7
68 4.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 59.720 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

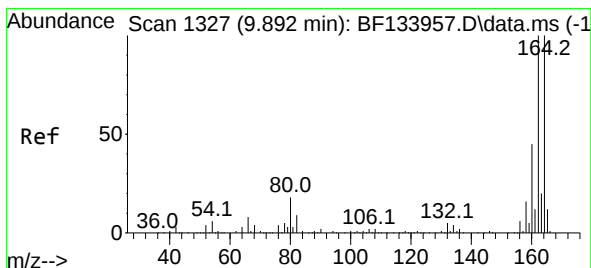
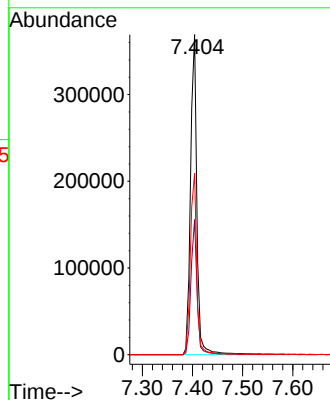
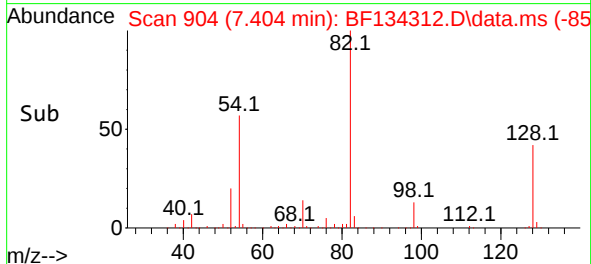
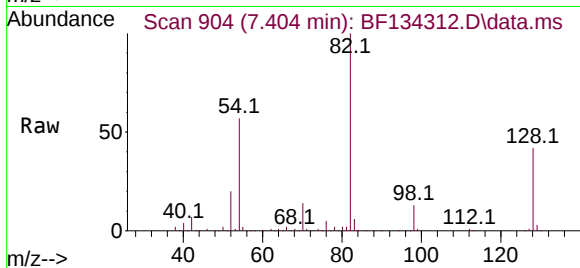
Tgt Ion: 82 Resp: 327540

Ion	Ratio	Lower	Upper
82	100		
128	42.2	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: 9.881 min Scan# 1325

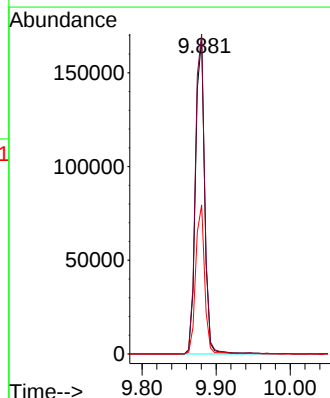
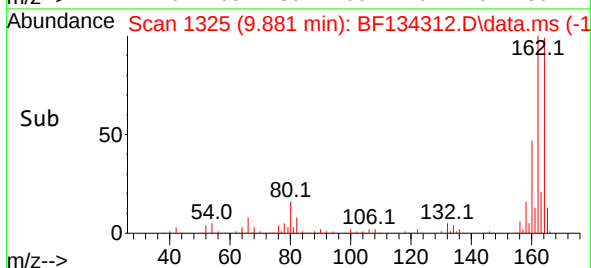
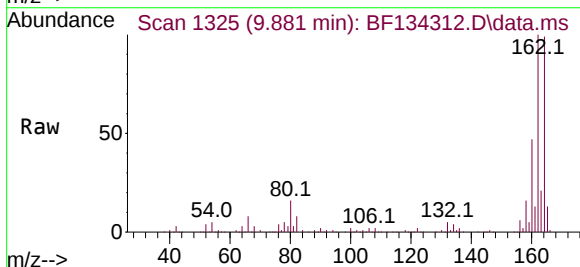
Delta R.T. 0.000 min

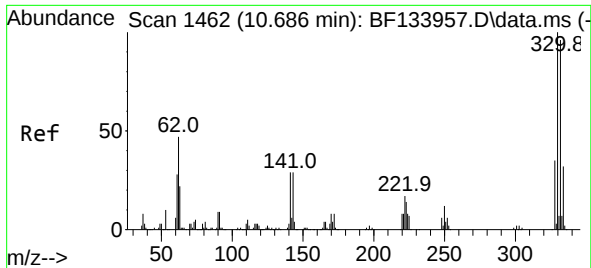
Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Tgt Ion:164 Resp: 144353

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.0	120.0
160	47.1	35.9	53.9





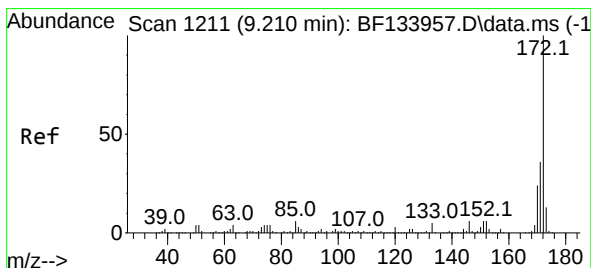
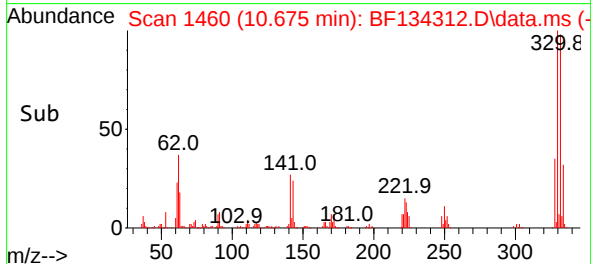
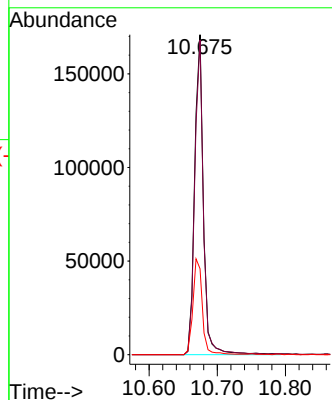
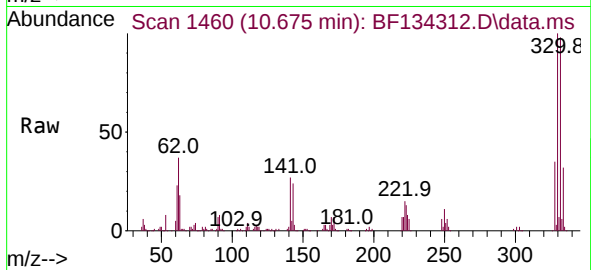
#42
2,4,6-Tribromophenol
Concen: 84.148 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion:330 Resp: 152300
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 31.9 26.3 39.5

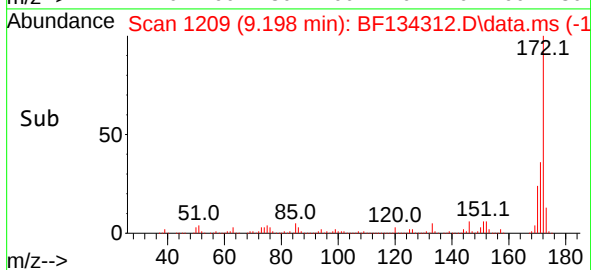
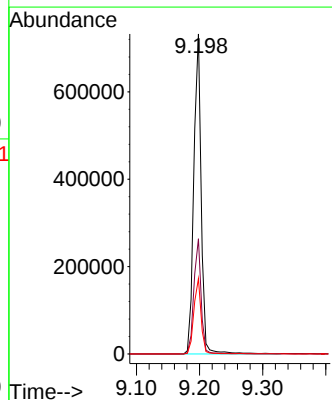
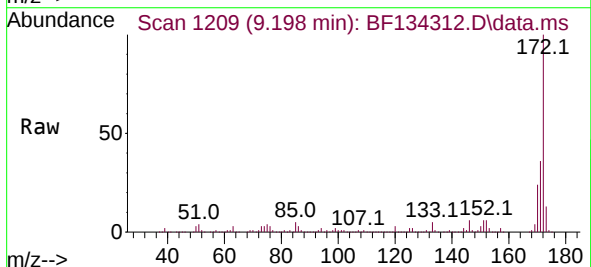
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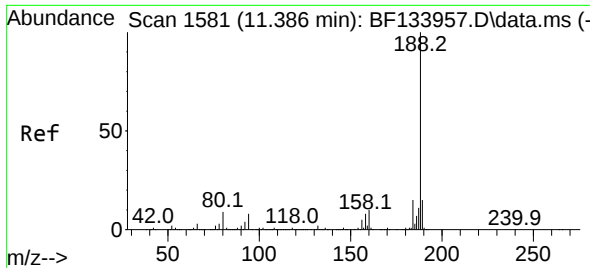
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 59.990 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion:172 Resp: 595626
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.6 19.4 29.0





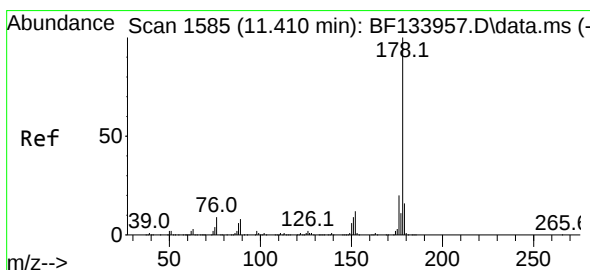
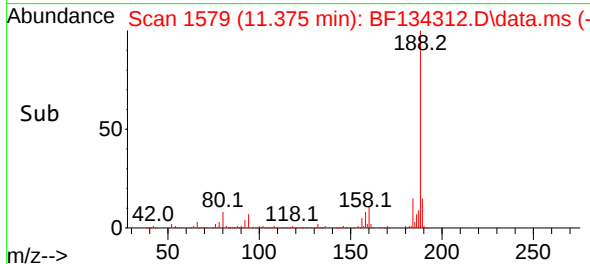
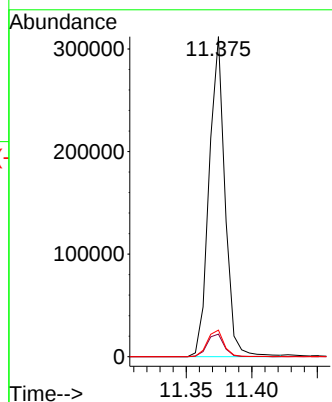
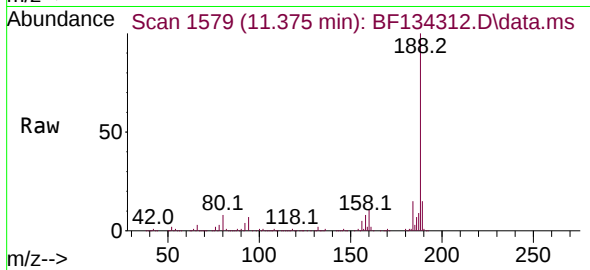
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion:188 Resp: 263514
Ion Ratio Lower Upper
188 100
94 7.0 6.4 9.6
80 8.3 7.3 10.9

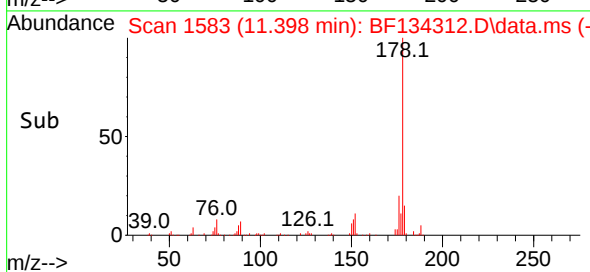
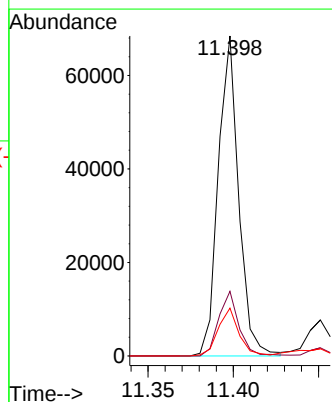
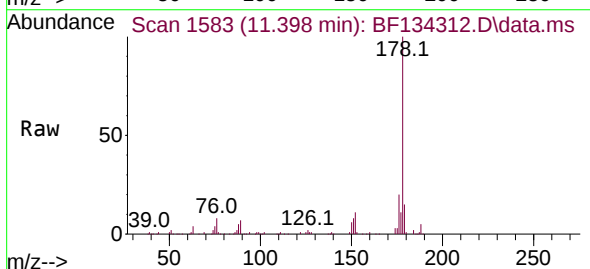
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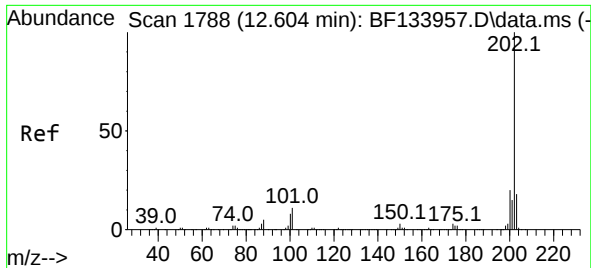
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 4.308 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

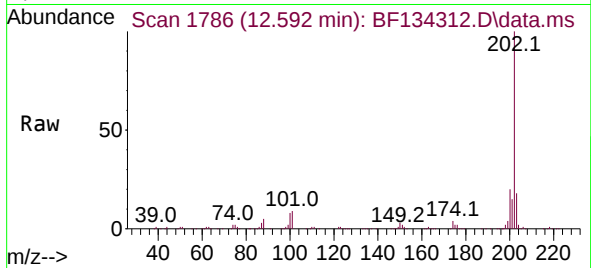
Tgt Ion:178 Resp: 57155
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 7.080 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

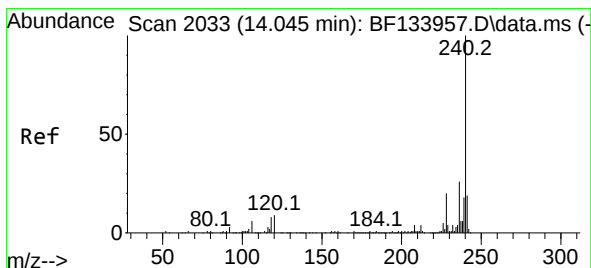
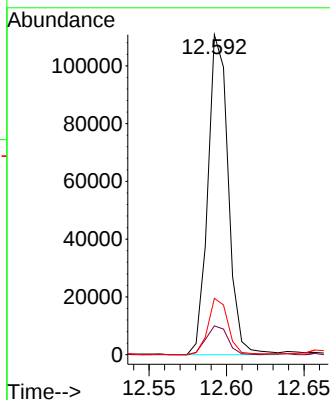
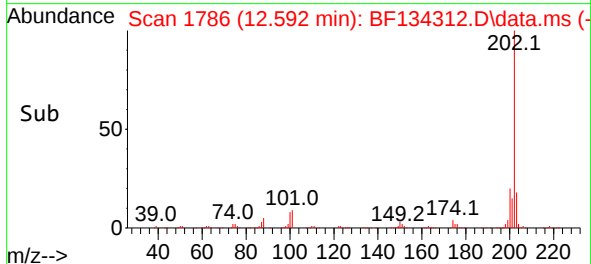
Instrument :
BNA_F
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RB-46-(2-5)



Tgt Ion:202 Resp: 10154
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.0
203 17.6 0.0 37.6

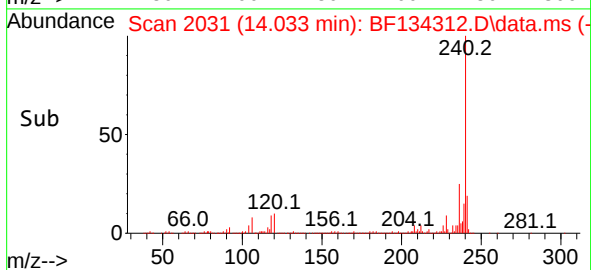
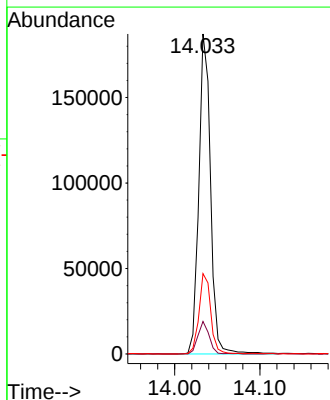
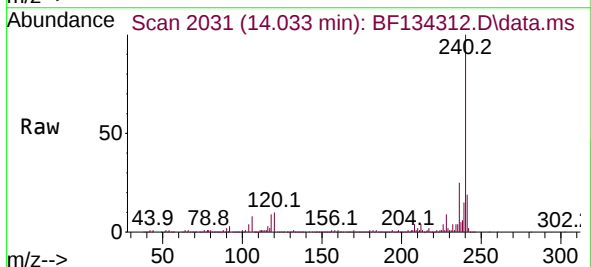
Manual Integrations
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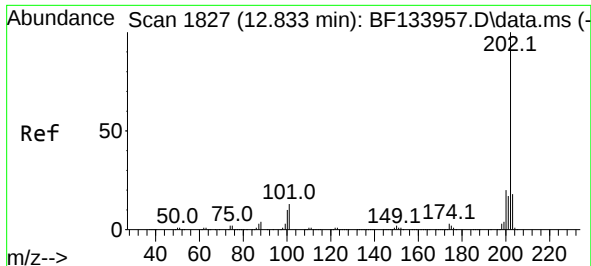
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

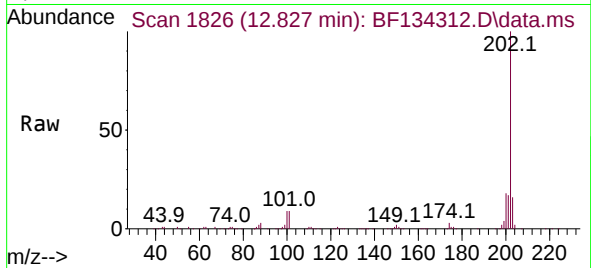
Tgt Ion:240 Resp: 178621
Ion Ratio Lower Upper
240 100
120 10.2 7.4 11.0
236 25.1 21.0 31.6





#78
Pyrene
Concen: 5.664 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

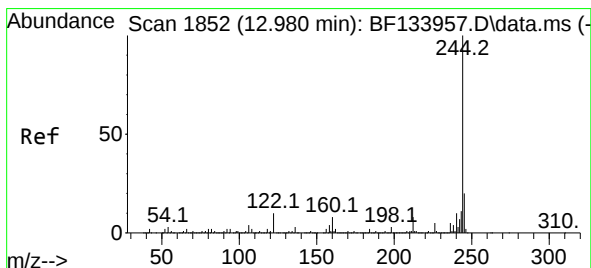
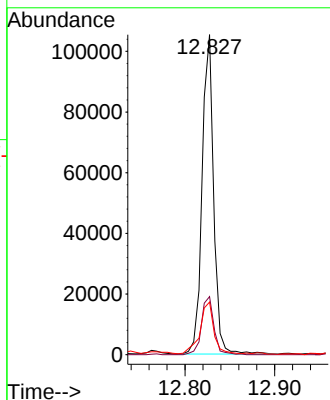
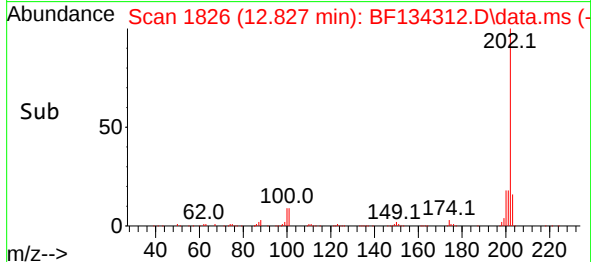
Instrument :
BNA_F
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RB-46-(2-5)



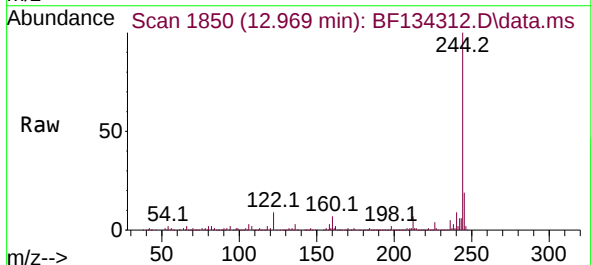
Tgt Ion:202 Resp: 9416
Ion Ratio Lower Upper
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203 16.5 14.3 21.5

Manual Integrations
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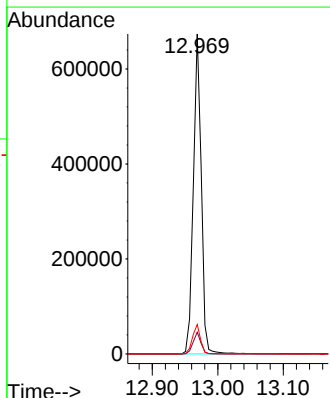
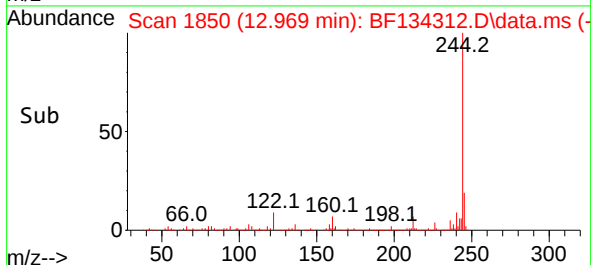
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

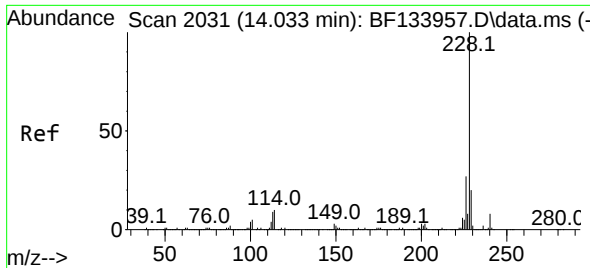


#79
Terphenyl-d14
Concen: 51.125 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41



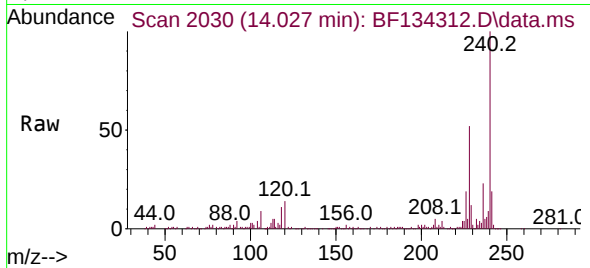
Tgt Ion:244 Resp: 567410
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 3.637 ng m
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

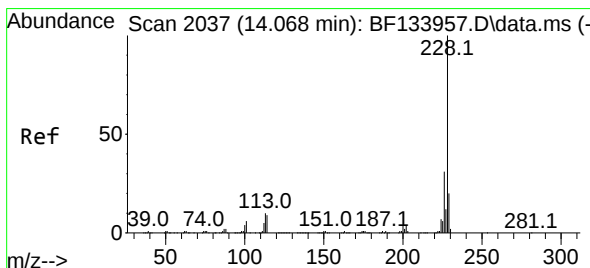
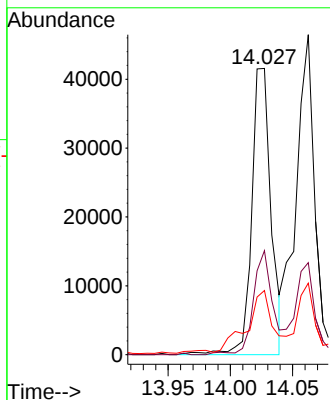
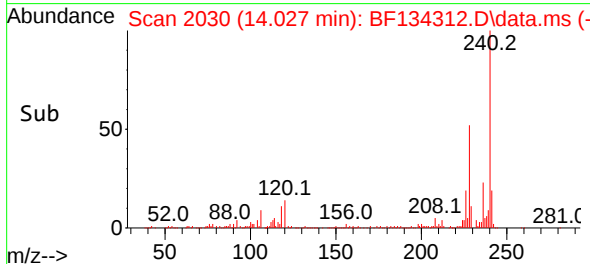
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



Tgt Ion:228 Resp: 45050
Ion Ratio Lower Upper
228 100
226 36.3 22.0 33.0
229 22.4 16.3 24.5

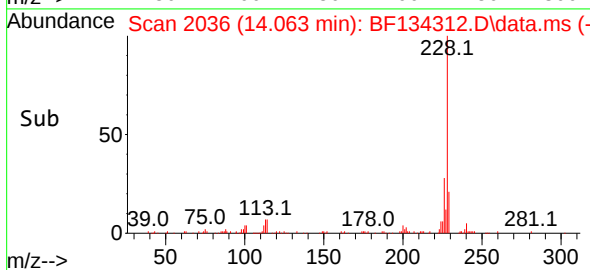
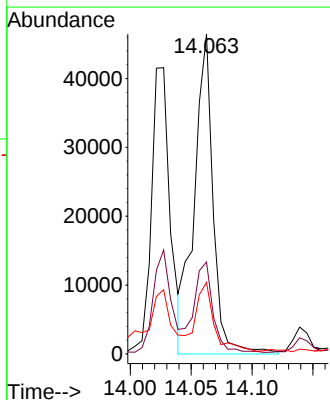
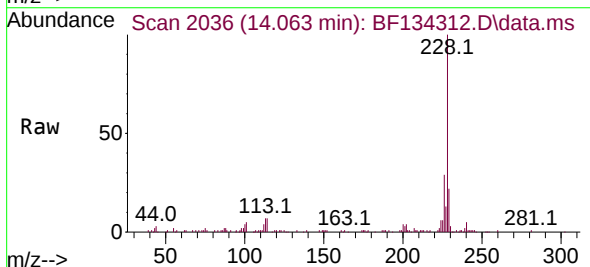
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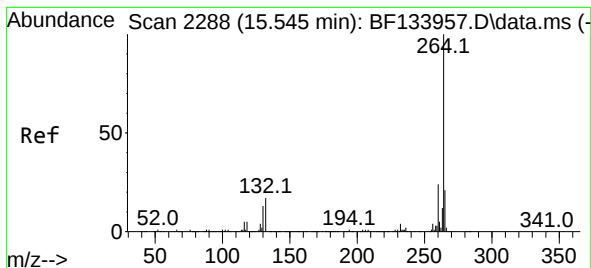
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 4.183 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion:228 Resp: 50188
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 22.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

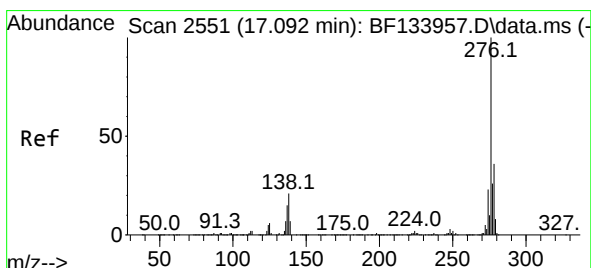
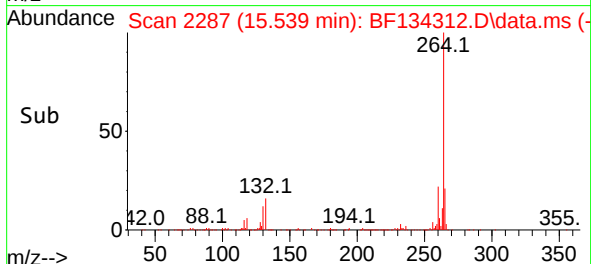
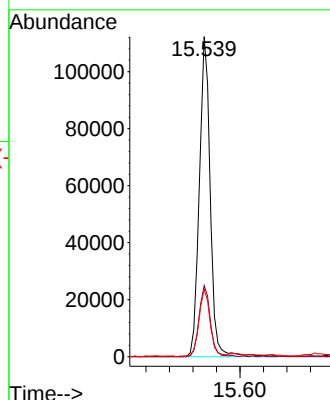
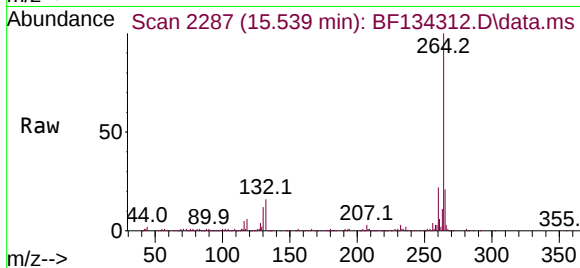
RB-46-(2-5)

Tgt Ion:264 Resp: 144190
 Ion Ratio Lower Upper
 264 100
 260 22.2 19.5 29.3
 265 21.0 16.6 25.0

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Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.143 ng

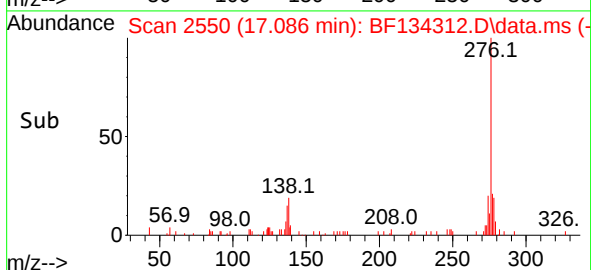
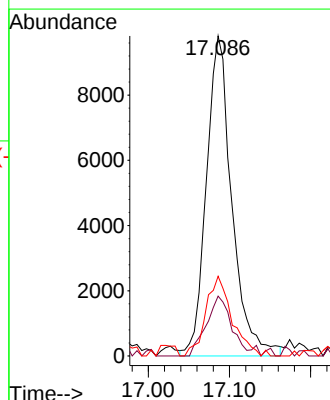
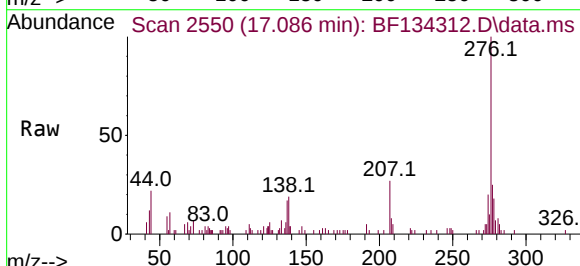
RT: 17.086 min Scan# 2550

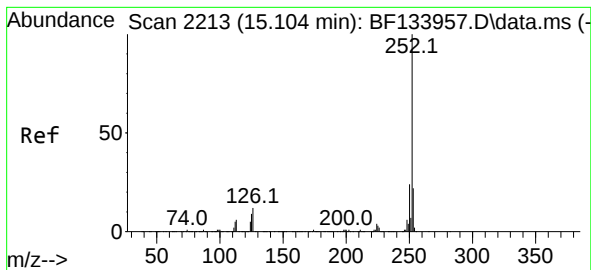
Delta R.T. -0.012 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Tgt Ion:276 Resp: 21439
 Ion Ratio Lower Upper
 276 100
 138 19.0 18.7 28.1
 277 25.6 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 6.086 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

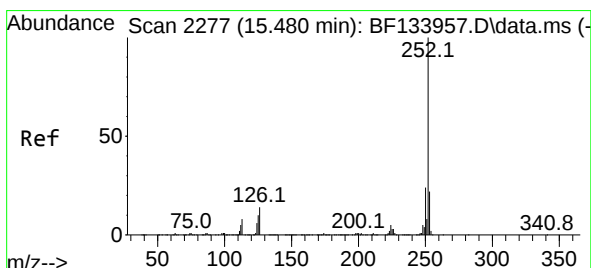
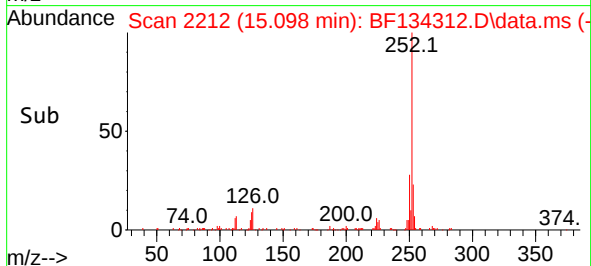
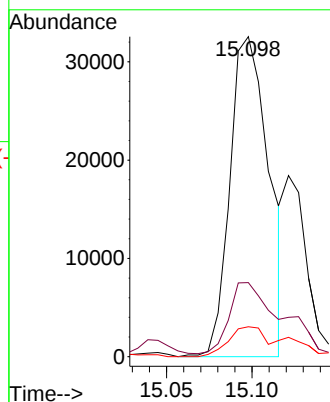
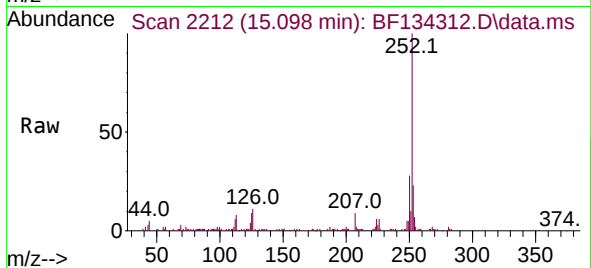
RB-46-(2-5)

Tgt Ion:252 Resp: 51598
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.0
 125 9.3 7.1 10.7

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 Supervised By :mohammad ahmed 07/19/2023



#90

Benzo(a)pyrene

Concen: 4.159 ng

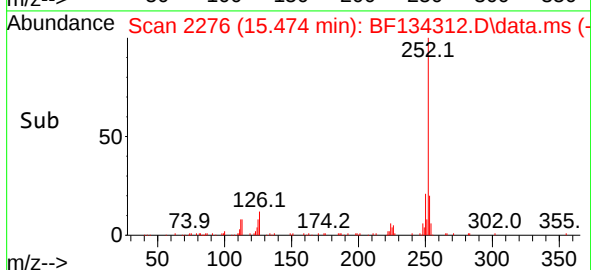
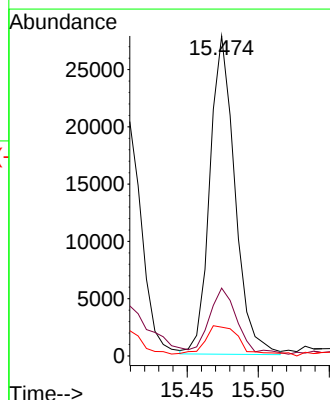
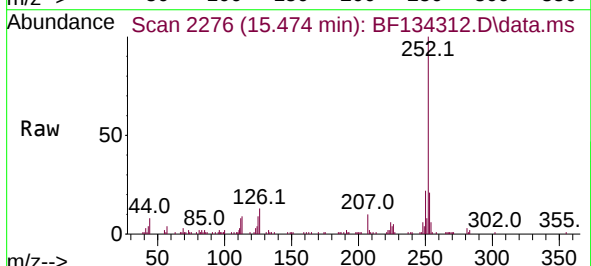
RT: 15.474 min Scan# 2276

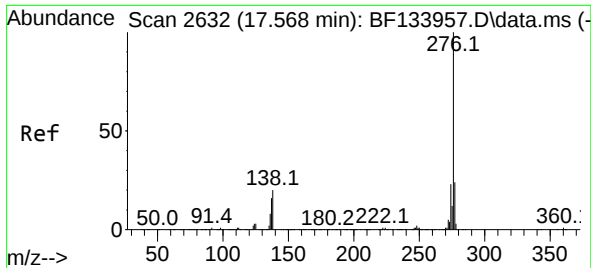
Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

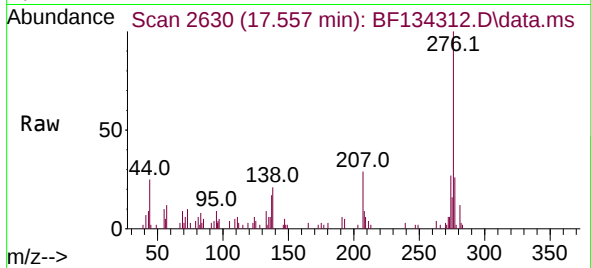
Tgt Ion:252 Resp: 34098
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.4 26.0
 125 9.0 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 2.304 ng
RT: 17.557 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



Tgt Ion:	276	Resp:	1942
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.0	28.6
138	21.4	16.2	24.2

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Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

