

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134341.D
 Acq On : 18 Jul 2023 16:53
 Operator : CG\JU
 Sample : 03597-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-47-(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 18:03:08 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	85582	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	338606	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	138564	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	253772	20.000	ng	0.00
76) Chrysene-d12	14.033	240	155452	20.000	ng	0.00
86) Perylene-d12	15.539	264	203840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	446093	87.192	ng	0.00
7) Phenol-d6	6.481	99	527701	83.870	ng	0.00
23) Nitrobenzene-d5	7.398	82	364028	57.952	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	153768	88.509	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	556398	58.380	ng	-0.01
79) Terphenyl-d14	12.963	244	482199	49.923	ng	-0.01
Target Compounds					Qvalue	
71) Phenanthrene	11.392	178	46640	3.651	ng	98
75) Fluoranthene	12.592	202	86857	6.289	ng	95
78) Pyrene	12.822	202	75846	5.243	ng	99
81) Benzo(a)anthracene	14.021	228	40070	3.717	ng	99
83) Chrysene	14.057	228	36216	3.468	ng	98
88) Benzo(b)fluoranthene	15.092	252	60290m	5.030	ng	
90) Benzo(a)pyrene	15.468	252	40729	3.514	ng	96

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

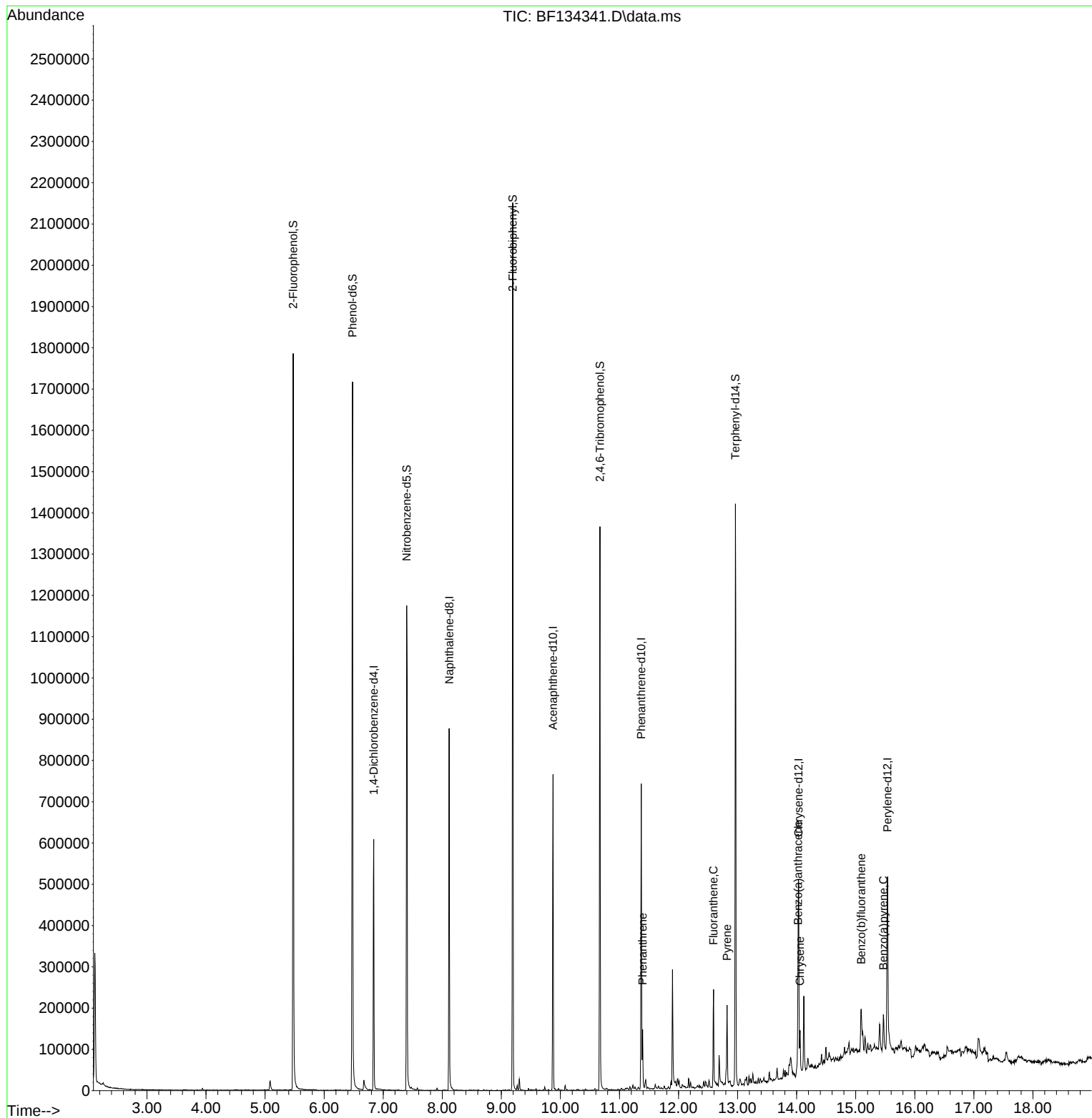
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
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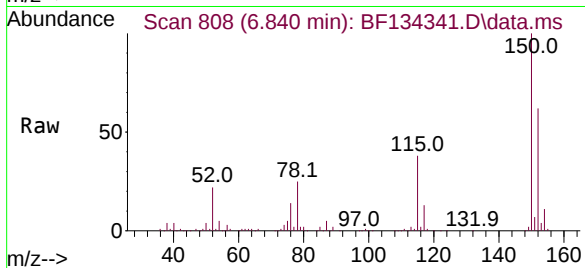
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

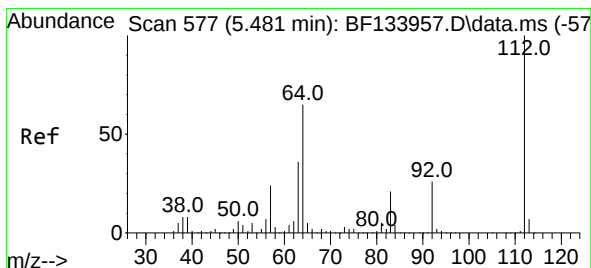
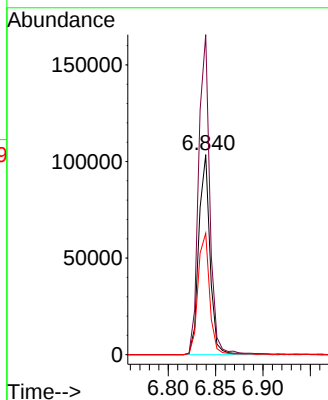
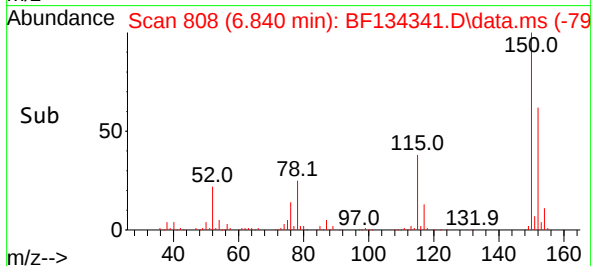
Instrument :
BNA_F
ClientSampleId :
RB-47-(0-2)



Tgt Ion:152 Resp: 8558
Ion Ratio Lower Upper
152 100
150 160.0 124.5 186.7
115 60.7 50.2 75.2

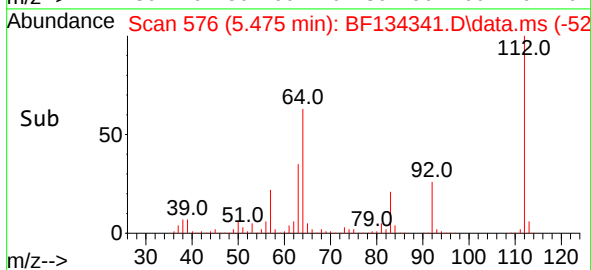
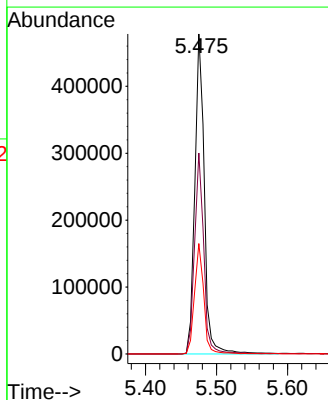
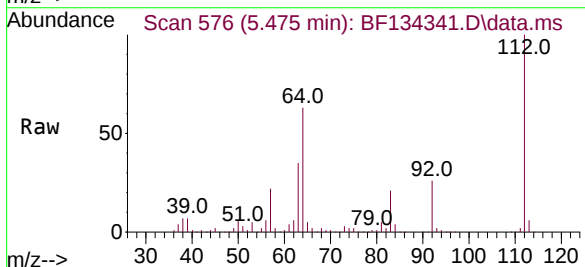
Manual Integrations
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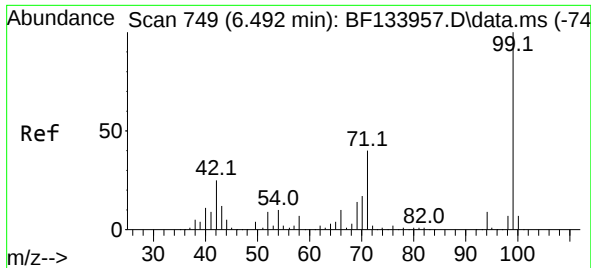
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 87.192 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:112 Resp: 446093
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 34.5 28.6 42.8





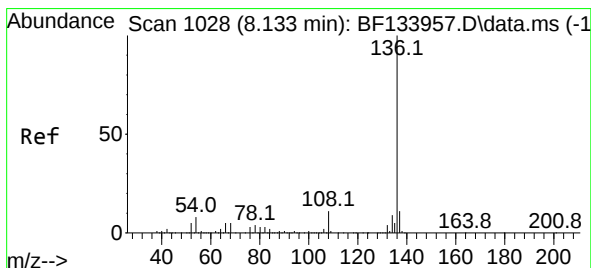
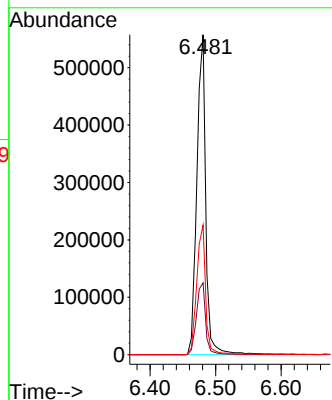
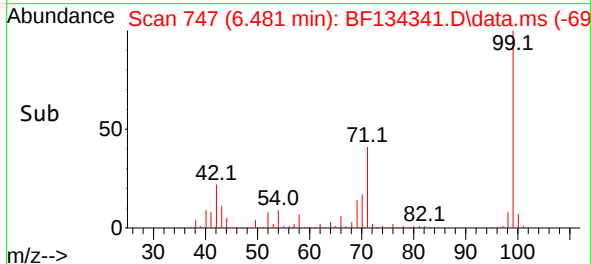
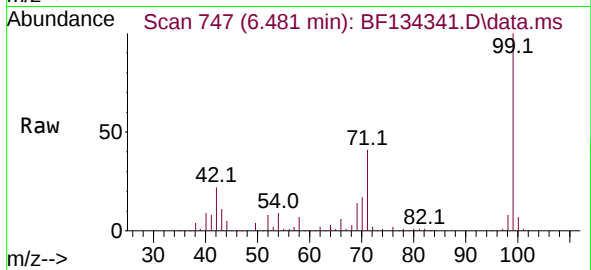
#7
Phenol-d6
Concen: 83.870 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Instrument :
BNA_F
ClientSampleId :
RB-47-(0-2)

Tgt Ion: 99 Resp: 52770
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.6
71 40.5 31.9 47.9

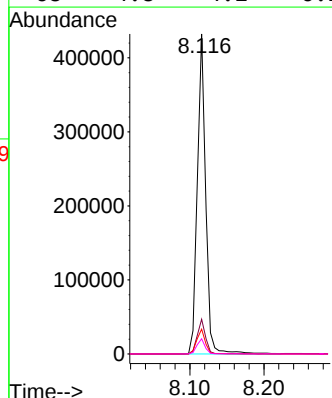
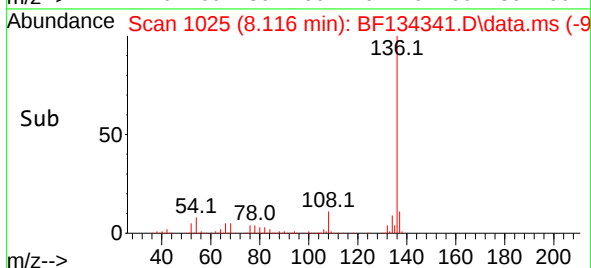
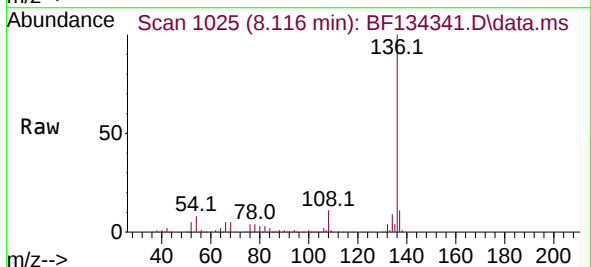
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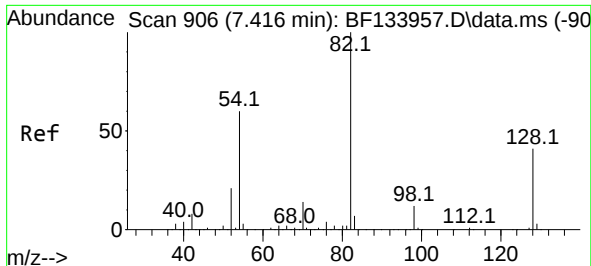
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:136 Resp: 338606
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.7 6.5 9.7
68 4.8 4.2 6.2





#23
Nitrobenzene-d5
Concen: 57.952 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Instrument :

BNA_F

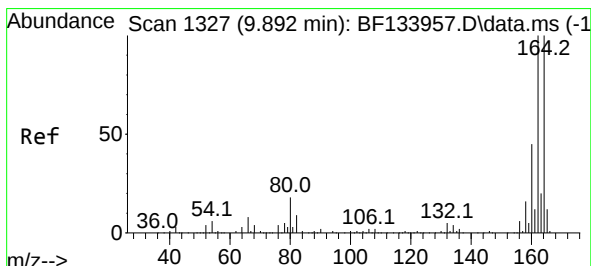
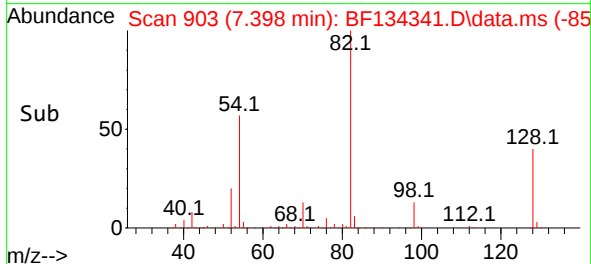
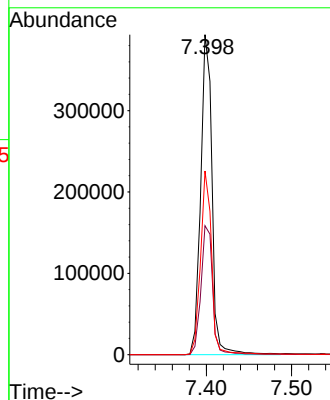
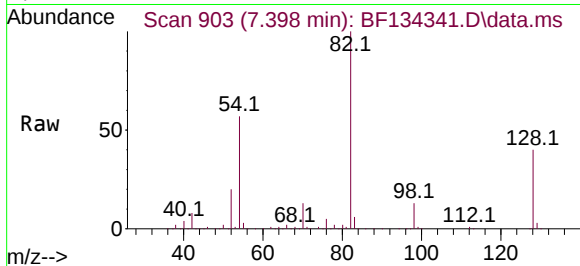
ClientSampleId :

RB-47-(0-2)

Tgt Ion: 82 Resp: 364028
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 57.4 48.2 72.2

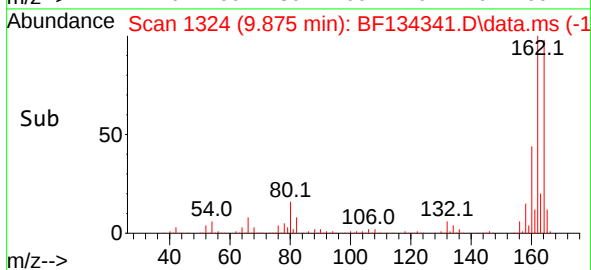
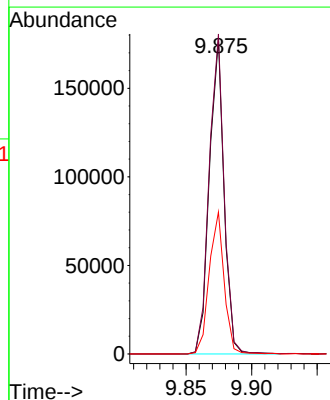
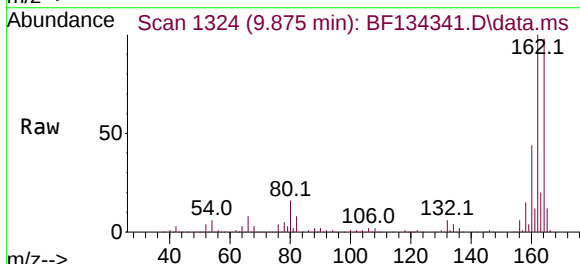
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Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:164 Resp: 138564
Ion Ratio Lower Upper
164 100
162 101.7 80.0 120.0
160 45.1 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 88.509 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Instrument :

BNA_F

ClientSampleId :

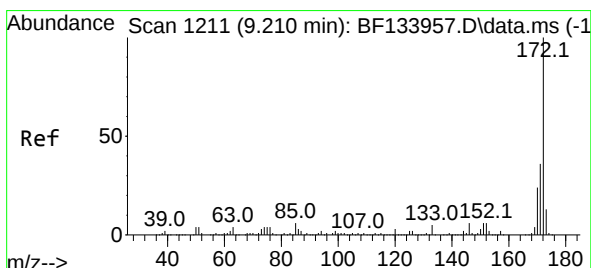
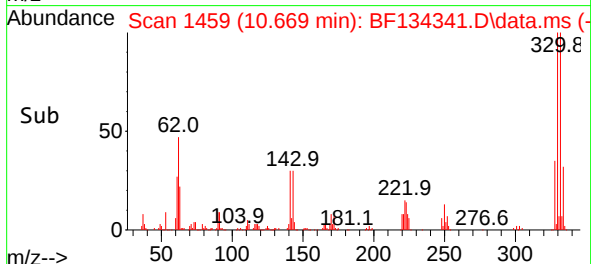
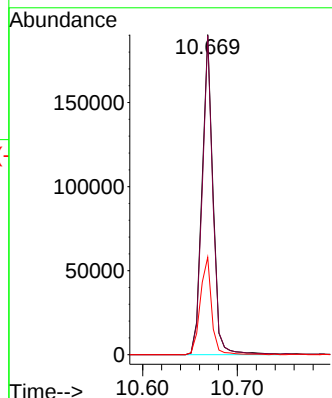
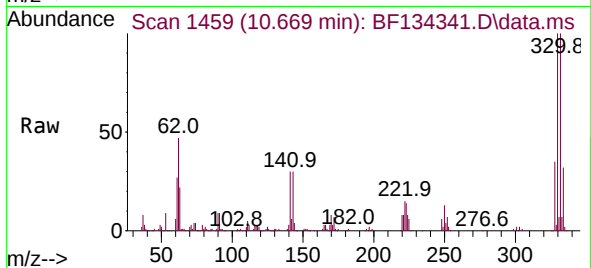
RB-47-(0-2)

Tgt Ion:330 Resp: 153768
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 31.4 26.3 39.5

Manual Integrations

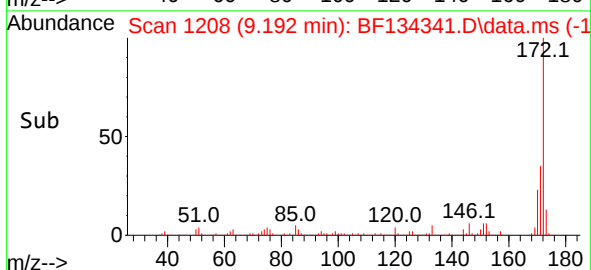
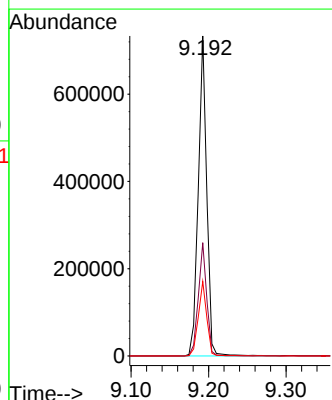
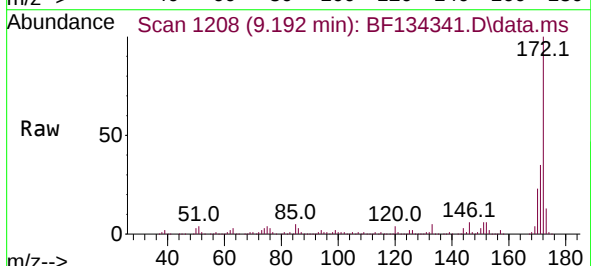
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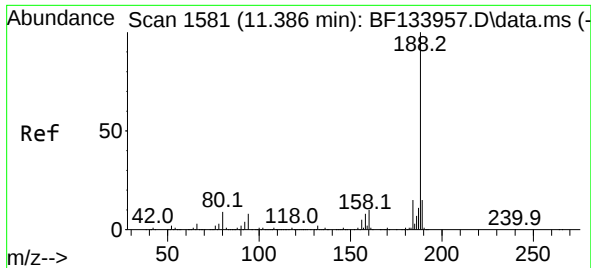
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 58.380 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:172 Resp: 556398
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.3 19.4 29.0





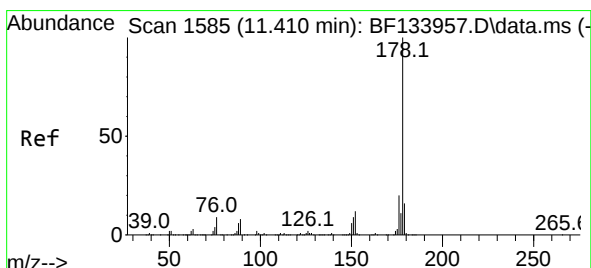
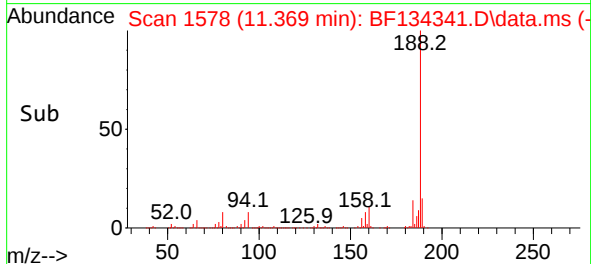
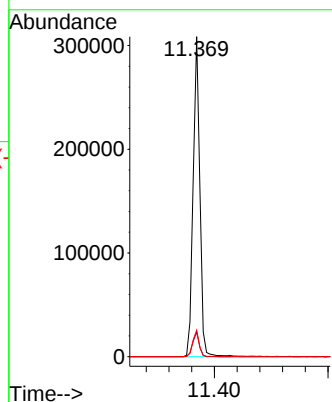
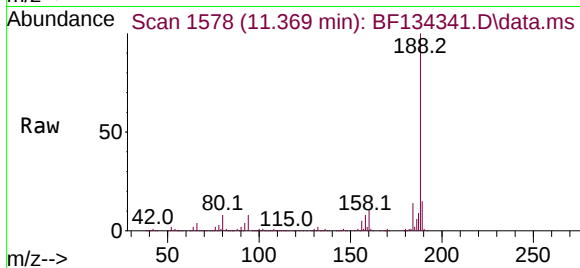
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Instrument :
BNA_F
ClientSampleId :
RB-47-(0-2)

Tgt Ion:188 Resp: 253772
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 8.3 7.3 10.9

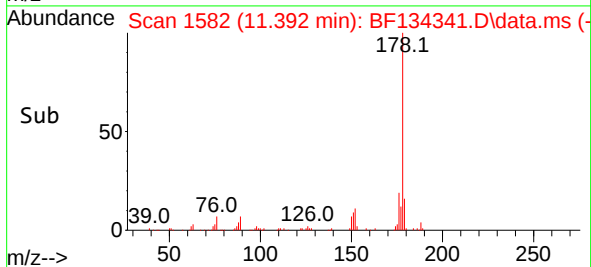
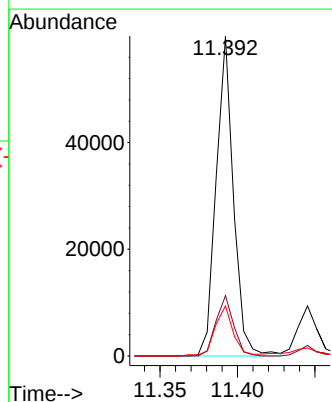
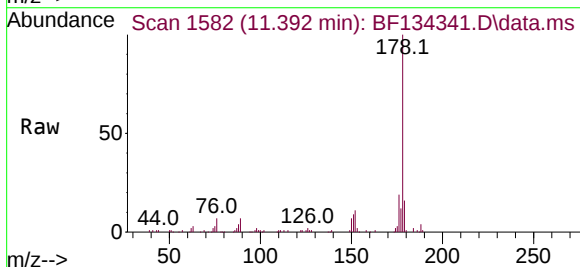
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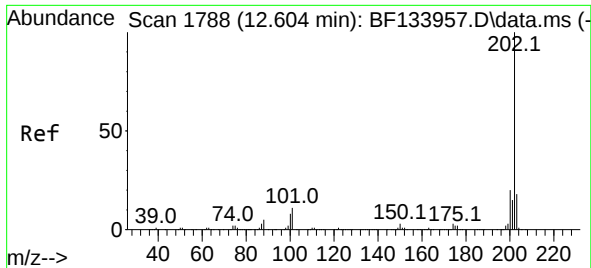
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 3.651 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

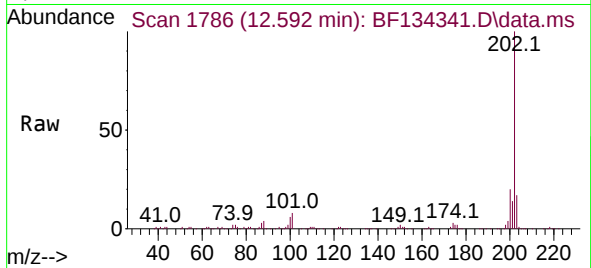
Tgt Ion:178 Resp: 46640
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 6.289 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

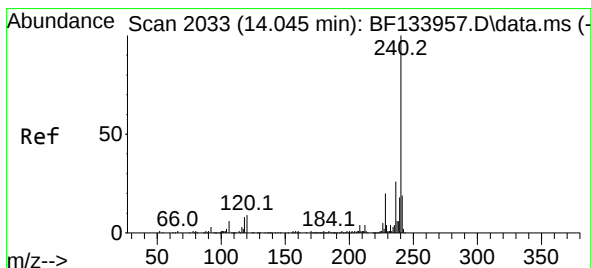
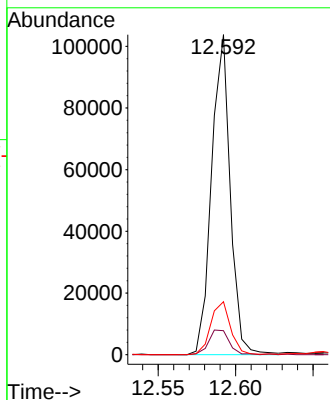
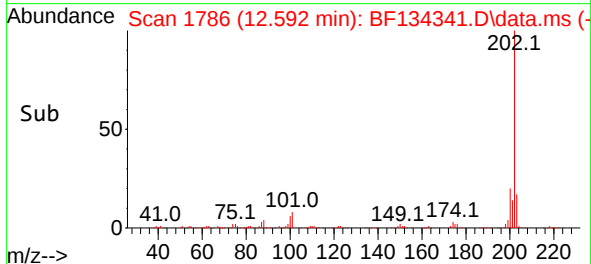
Instrument :
BNA_F
ClientSampleId :
RB-47-(0-2)



Tgt Ion:202 Resp: 8685
Ion Ratio Lower Upper
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101 7.5 0.0 31.0
203 16.5 0.0 37.6

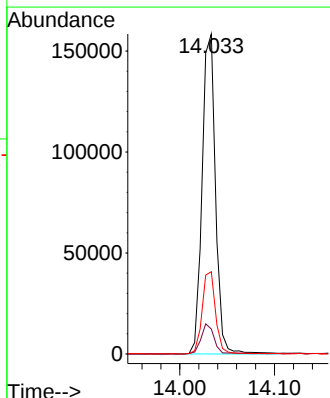
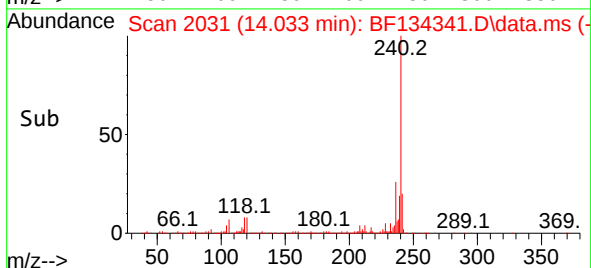
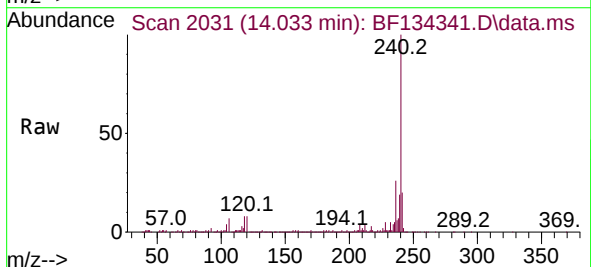
Manual Integrations
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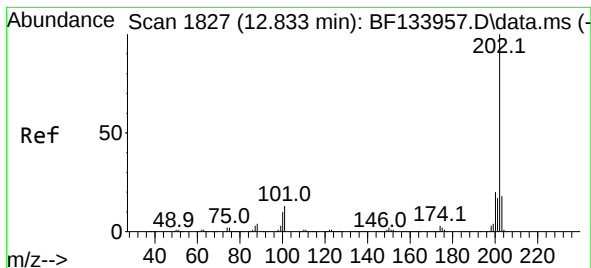
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:240 Resp: 155452
Ion Ratio Lower Upper
240 100
120 7.8 7.4 11.0
236 25.7 21.0 31.6





#78

Pyrene

Concen: 5.243 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134341.D

Acq: 18 Jul 2023 16:53

Instrument :

BNA_F

ClientSampleId :

RB-47-(0-2)

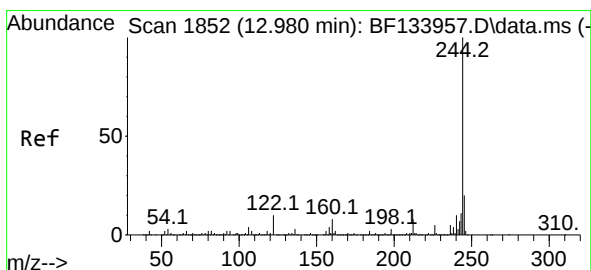
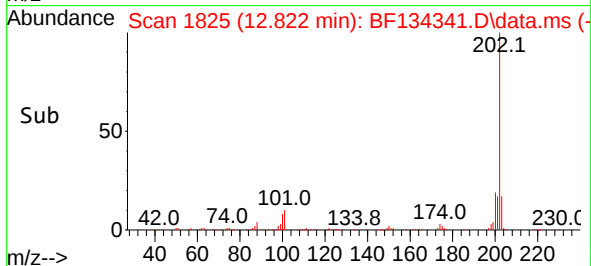
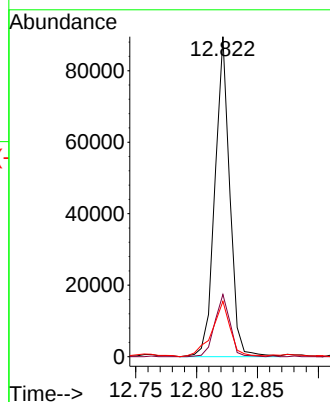
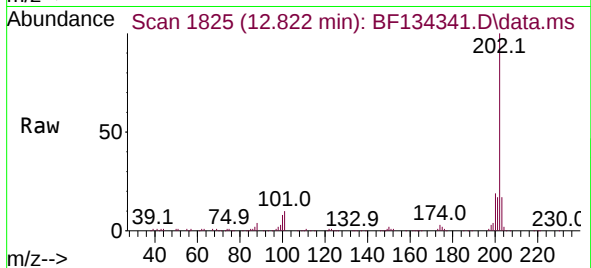
Tgt Ion:	202	Resp:	75840
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.1	24.1
203	17.3	14.3	21.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#79

Terphenyl-d14

Concen: 49.923 ng

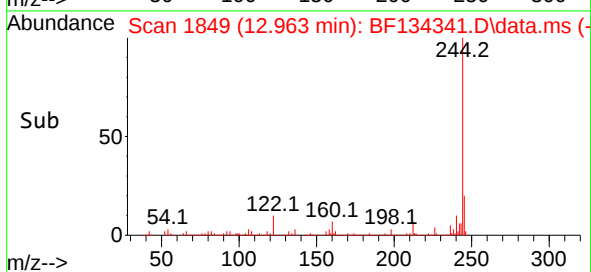
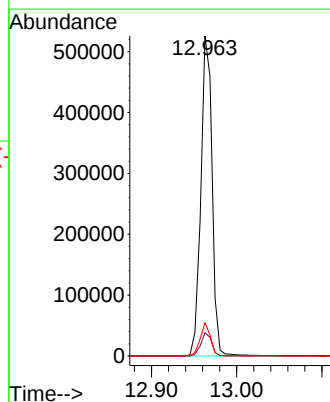
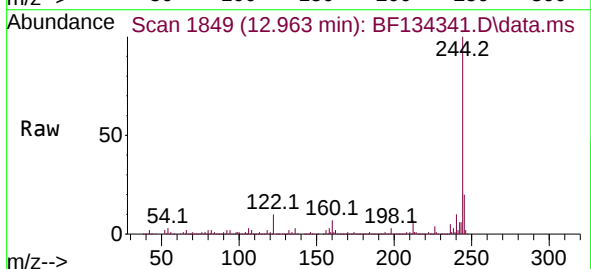
RT: 12.963 min Scan# 1849

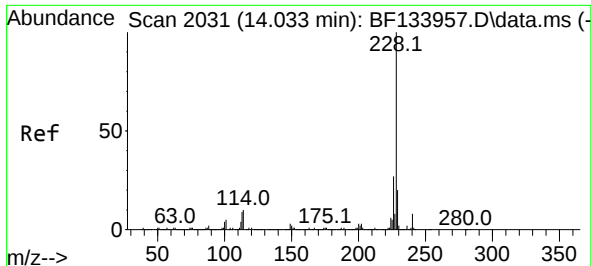
Delta R.T. -0.012 min

Lab File: BF134341.D

Acq: 18 Jul 2023 16:53

Tgt Ion:	244	Resp:	482199
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	10.3	8.3	12.5





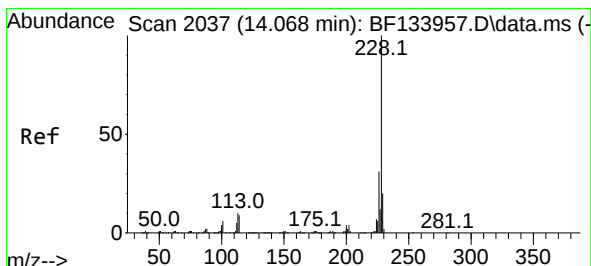
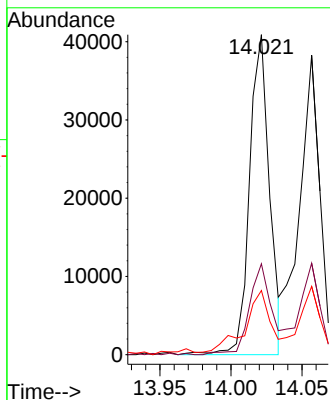
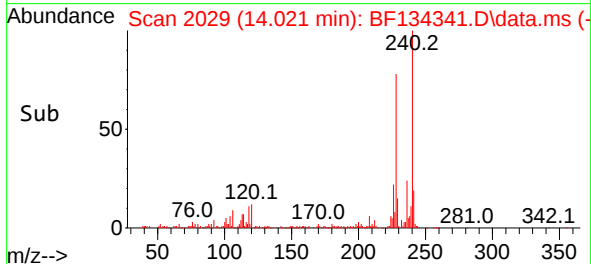
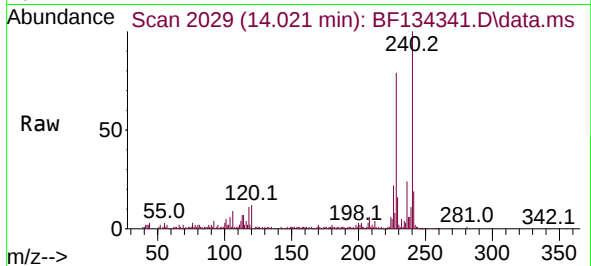
#81
Benzo(a)anthracene
Concen: 3.717 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Instrument :
BNA_F
ClientSampleId :
RB-47-(0-2)

Tgt Ion:228 Resp: 40070
Ion Ratio Lower Upper
228 100
226 28.4 22.0 33.0
229 20.1 16.3 24.5

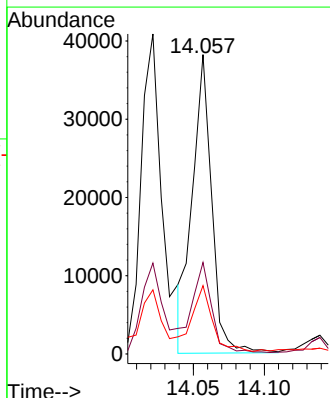
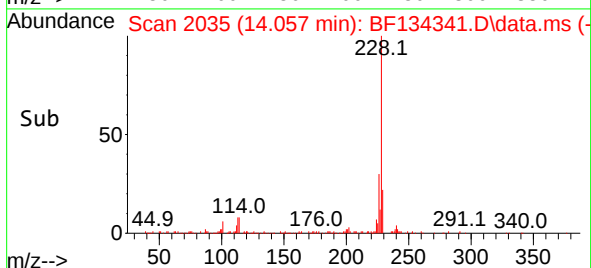
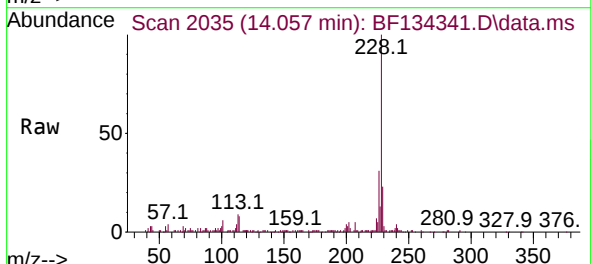
Manual Integrations
APPROVED

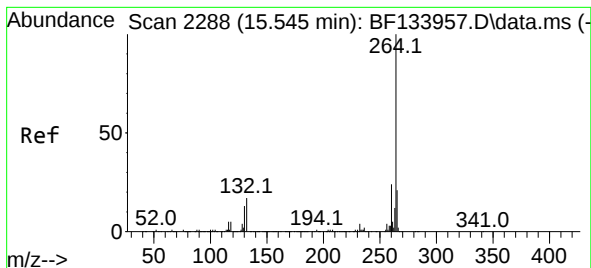
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 3.468 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134341.D
Acq: 18 Jul 2023 16:53

Tgt Ion:228 Resp: 36216
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.8 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: BF134341.D

Acq: 18 Jul 2023 16:53

Instrument :

BNA_F

ClientSampleId :

RB-47-(0-2)

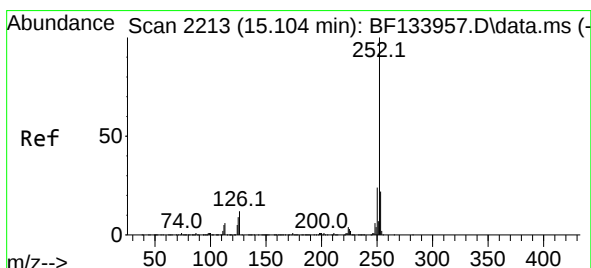
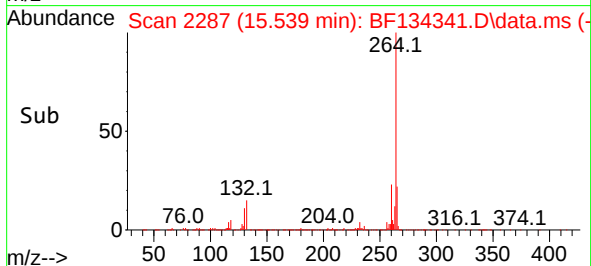
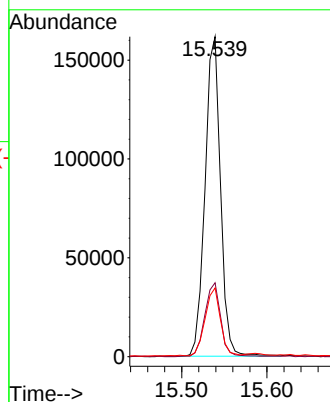
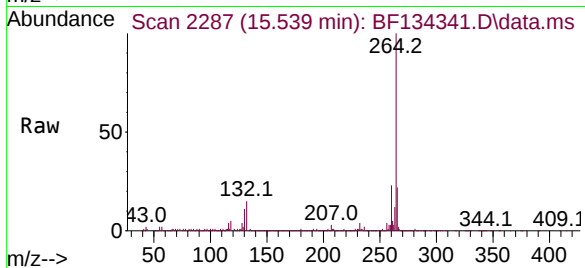
Tgt Ion:264 Resp: 203840
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.5 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 5.030 ng m

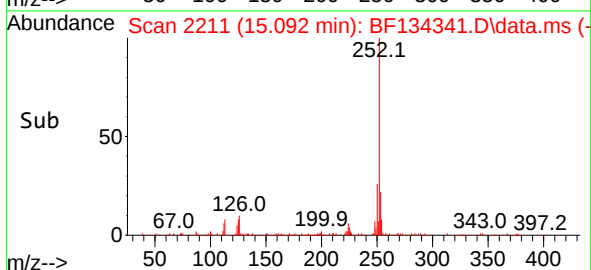
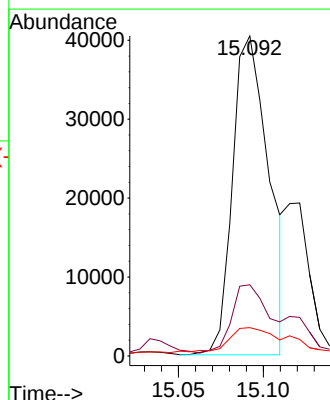
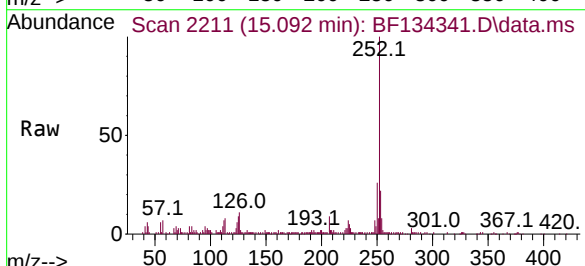
RT: 15.092 min Scan# 2211

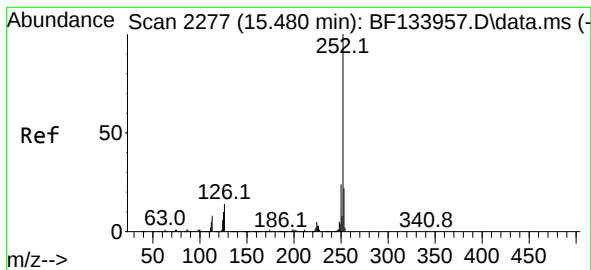
Delta R.T. -0.012 min

Lab File: BF134341.D

Acq: 18 Jul 2023 16:53

Tgt Ion:252 Resp: 60290
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 8.9 7.1 10.7





#90

Benzo(a)pyrene

Concen: 3.514 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134341.D

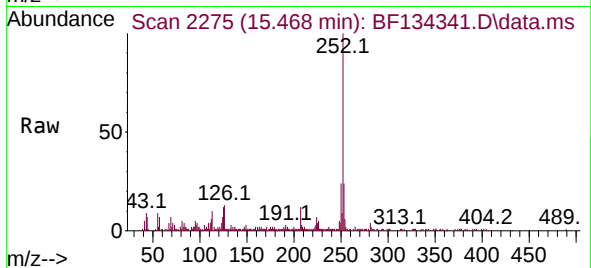
Acq: 18 Jul 2023 16:53

Instrument :

BNA_F

ClientSampleId :

RB-47-(0-2)



Tgt Ion:252 Resp: 40729

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023

