

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134229.D
 Acq On : 12 Jul 2023 00:07
 Operator : CG\JU
 Sample : 03358-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(0-2)

Quant Time: Jul 12 01:58:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	122189	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	478591	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	205536	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	298853	20.000	ng	0.00
76) Chrysene-d12	14.039	240	205120	20.000	ng	0.00
86) Perylene-d12	15.545	264	164238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	679718	93.053	ng	0.00
7) Phenol-d6	6.481	99	827218	92.085	ng	0.00
23) Nitrobenzene-d5	7.404	82	550084	61.958	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	180076	69.878	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	871833	61.671	ng	0.00
79) Terphenyl-d14	12.974	244	609025	47.786	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	241471	16.050	ng	100
73) Carbazole	11.610	167	29976	2.093	ng	# 94
75) Fluoranthene	12.598	202	414572	25.489	ng	99
78) Pyrene	12.827	202	352524	18.467	ng	99
81) Benzo(a)anthracene	14.027	228	113980	8.012	ng	98
83) Chrysene	14.063	228	166158m	12.059	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	113912m	13.847	ng	
87) Indeno(1,2,3-cd)pyrene	17.092	276	63456	5.568	ng	96
88) Benzo(b)fluoranthene	15.098	252	192274m	19.910	ng	
89) Benzo(k)fluoranthene	15.127	252	71625m	7.284	ng	
90) Benzo(a)pyrene	15.480	252	88989	9.529	ng	96
92) Benzo(g,h,i)perylene	17.556	276	59719	6.221	ng	99

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

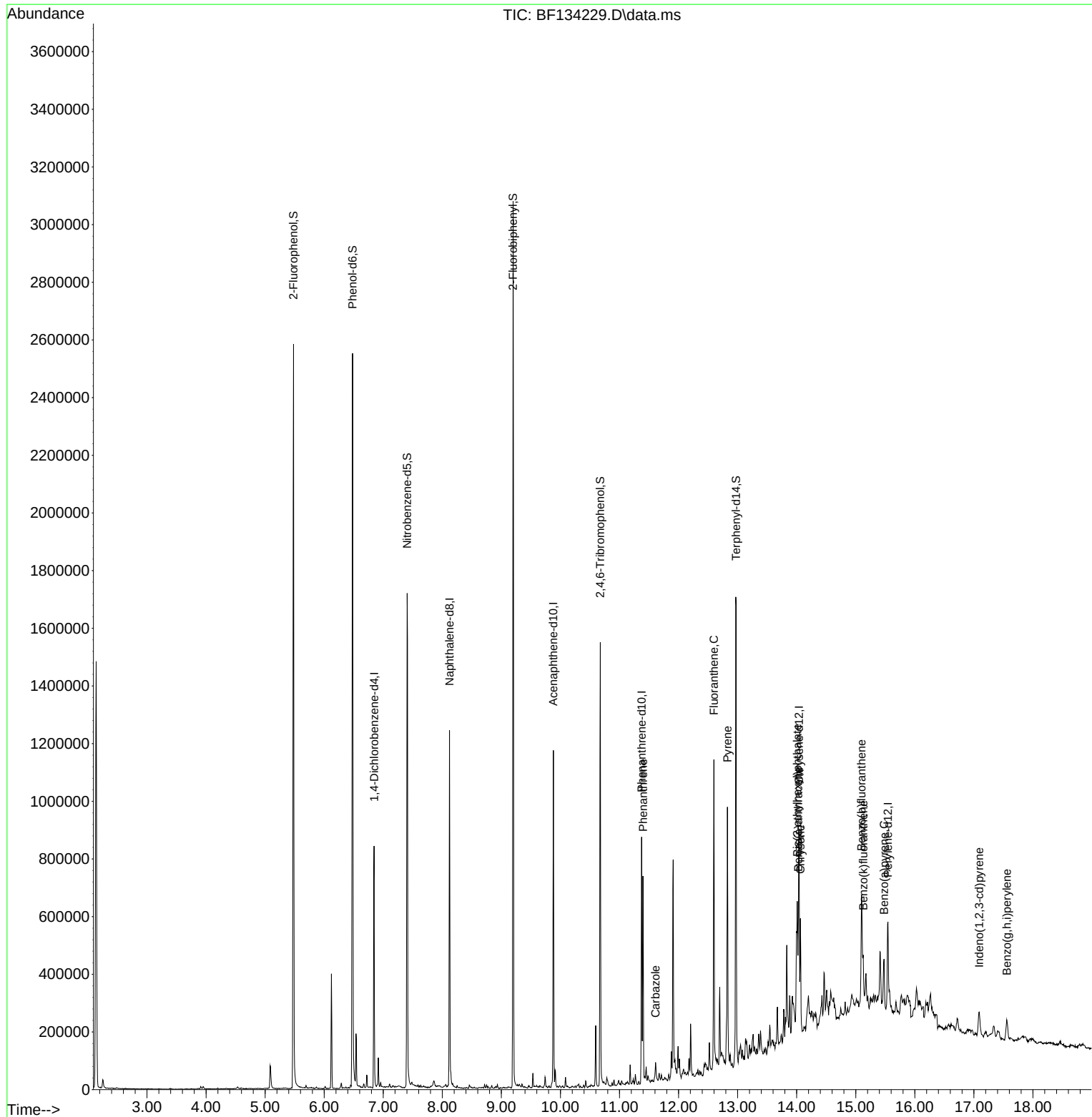
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Data File : BF134229.D
Acq On : 12 Jul 2023 00:07
Operator : CG\JU
Sample : 03358-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

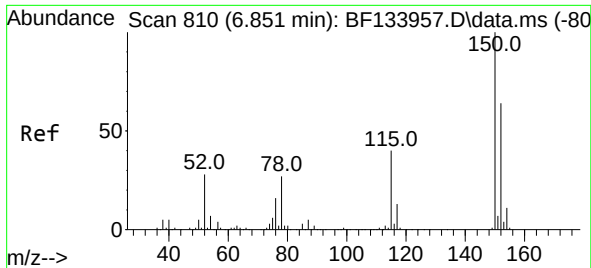
Instrument :
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ClientSampleId :
SB-6-(0-2)

Quant Time: Jul 12 01:58:27 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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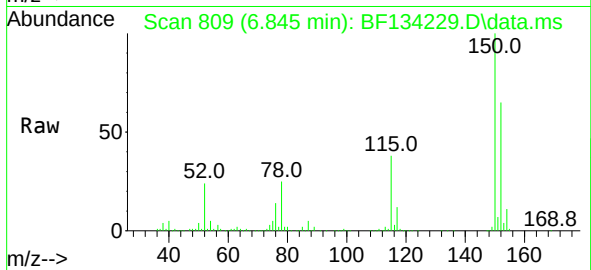
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

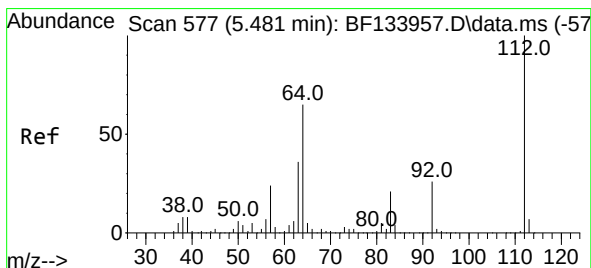
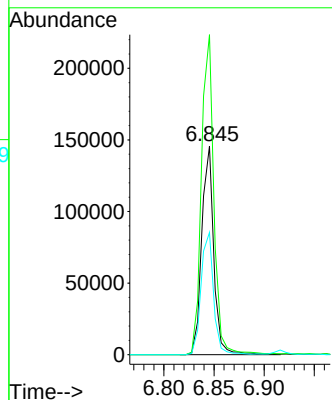
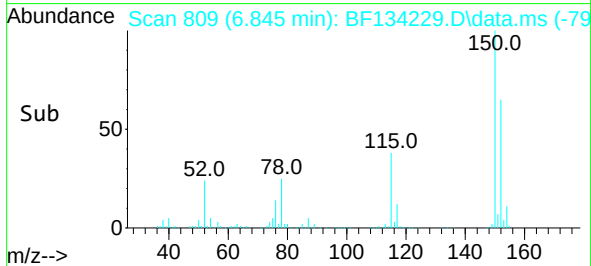
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



Tgt Ion:152 Resp: 122189
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 58.6 50.2 75.2

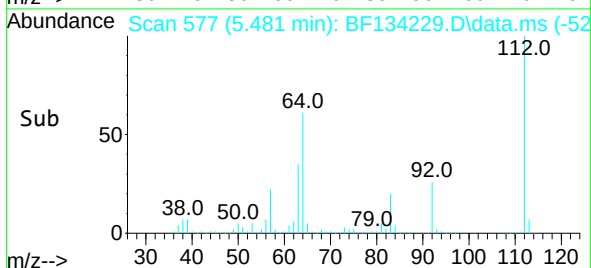
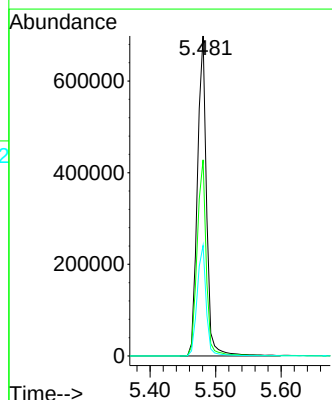
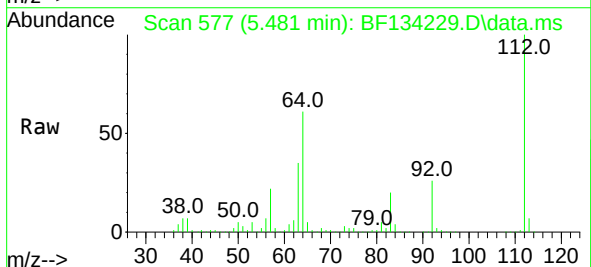
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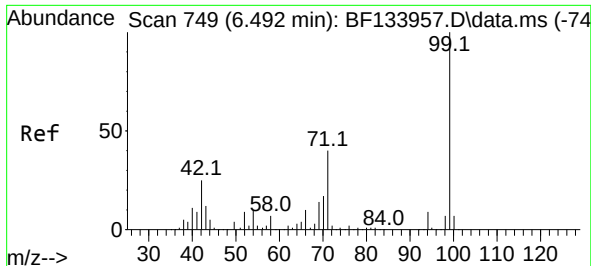
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#5
2-Fluorophenol
Concen: 93.053 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

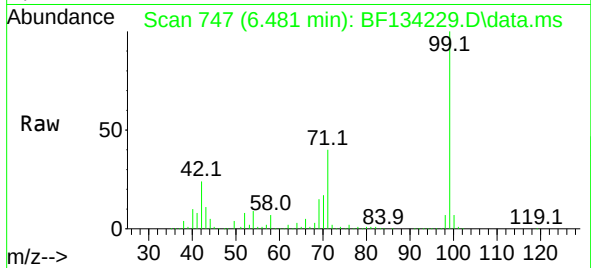
Tgt Ion:112 Resp: 679718
Ion Ratio Lower Upper
112 100
64 61.3 52.1 78.1
63 34.5 28.6 42.8





#7
Phenol-d6
Concen: 92.085 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

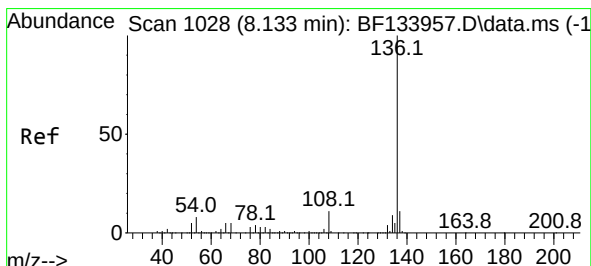
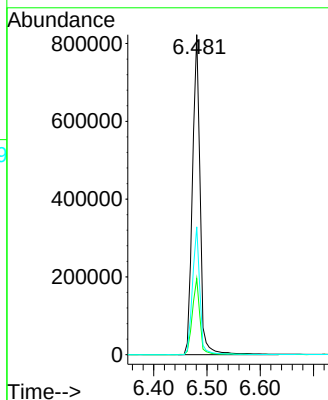
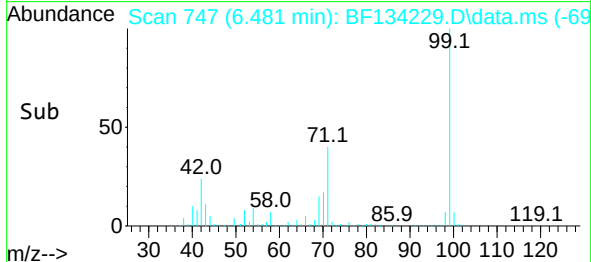
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



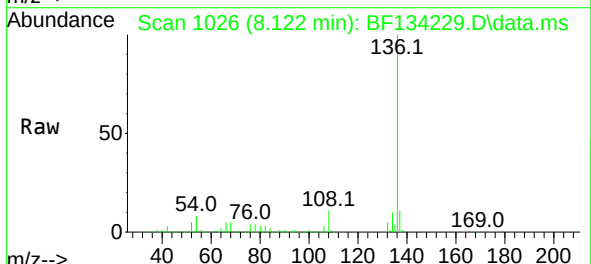
Tgt Ion: 99 Resp: 827218
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 40.0 31.9 47.9

Manual Integrations
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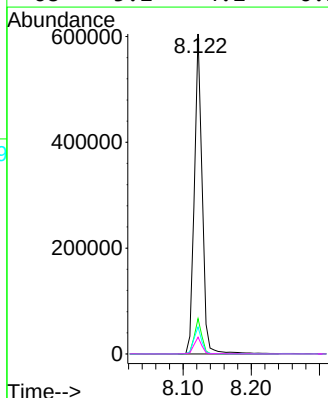
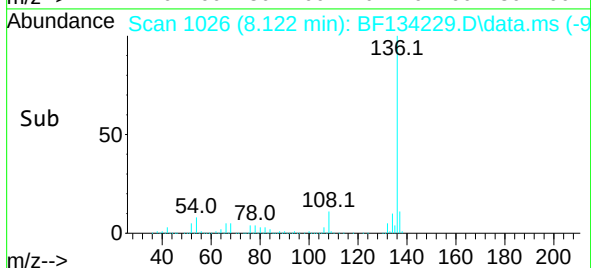
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

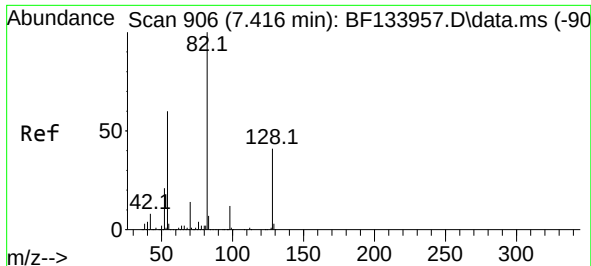


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07



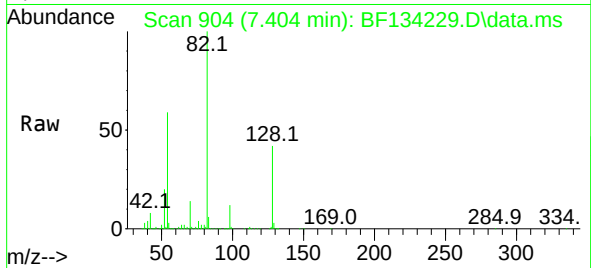
Tgt Ion:136 Resp: 478591
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.5 6.5 9.7
68 5.2 4.2 6.2





#23
Nitrobenzene-d5
Concen: 61.958 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

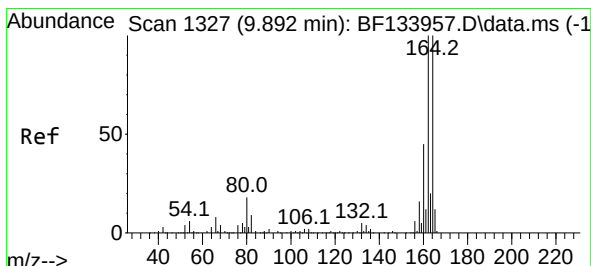
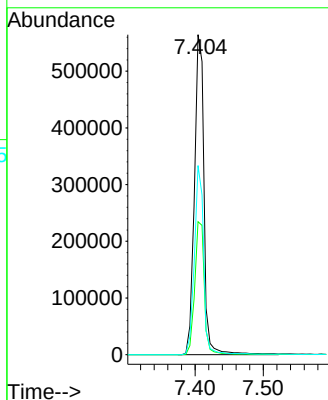
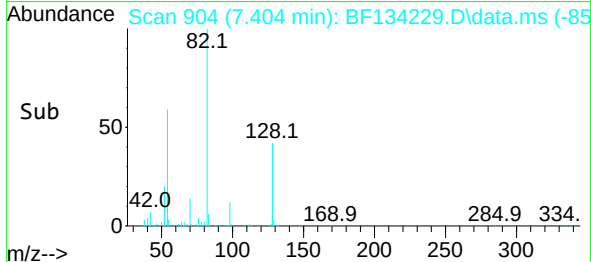
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



Tgt Ion: 82 Resp: 550084
Ion Ratio Lower Upper
82 100
128 41.5 32.5 48.7
54 59.1 48.2 72.2

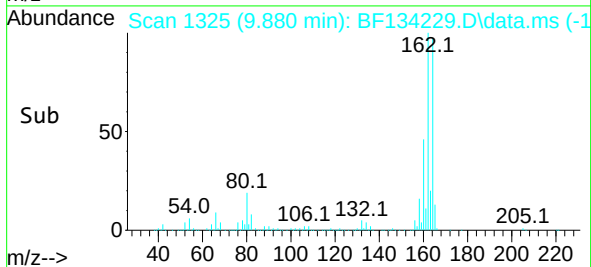
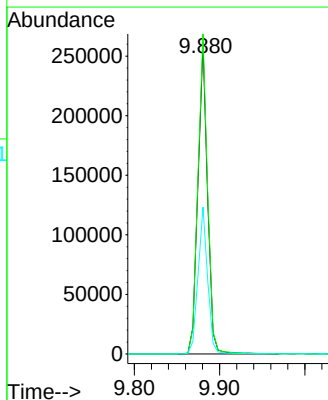
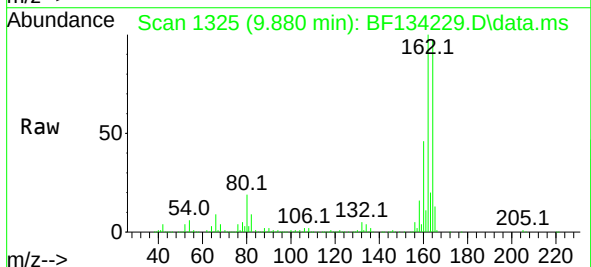
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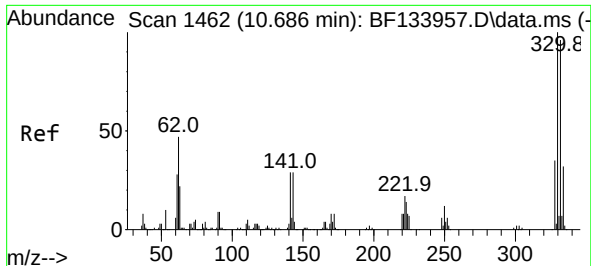
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Tgt Ion:164 Resp: 205536
Ion Ratio Lower Upper
164 100
162 102.9 80.0 120.0
160 47.2 35.9 53.9





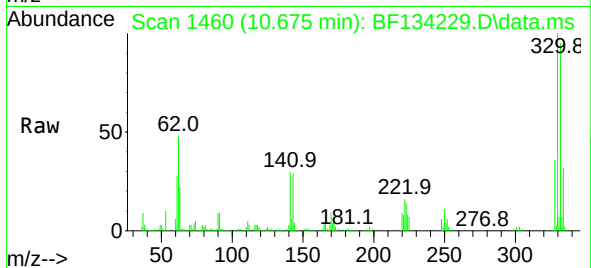
#42
2,4,6-Tribromophenol
Concen: 69.878 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

SB-6-(0-2)



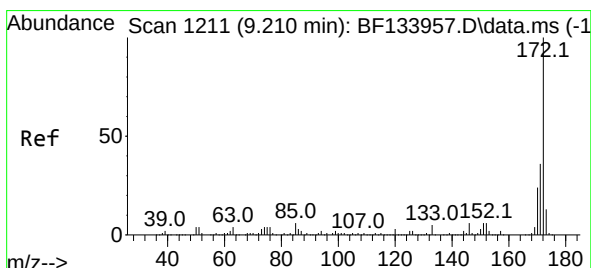
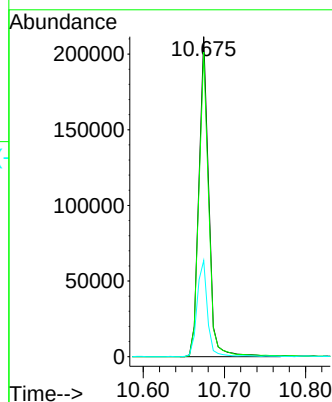
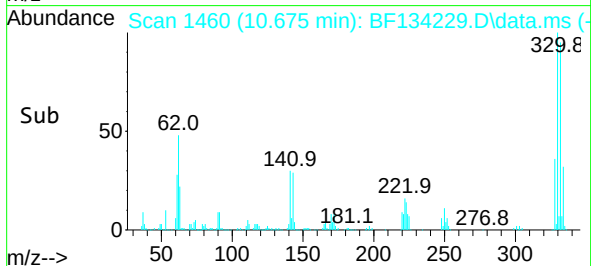
Tgt Ion: 330 Resp: 180070
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 31.4 26.3 39.5

Manual Integrations

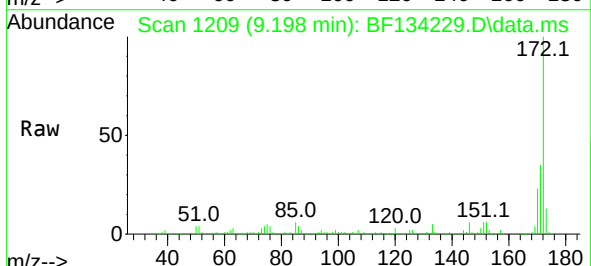
APPROVED

Reviewed By : Yogesh Patel 07/12/2023

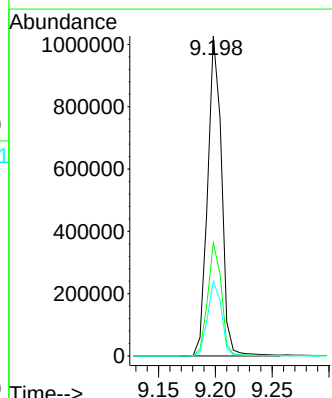
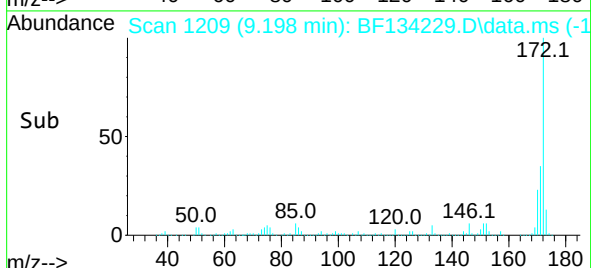
Supervised By : mohammad ahmed 07/12/2023

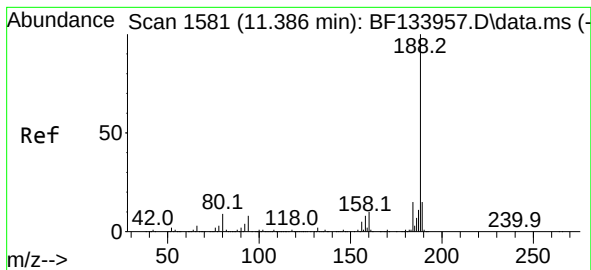


#45
2-Fluorobiphenyl
Concen: 61.671 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07



Tgt Ion: 172 Resp: 871833
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 19.4 29.0





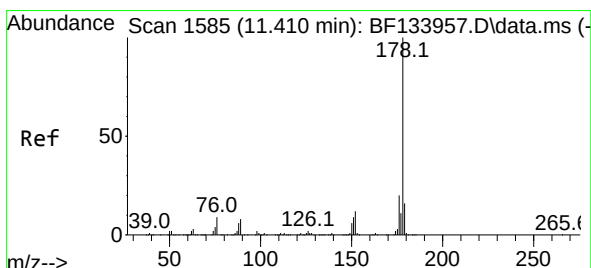
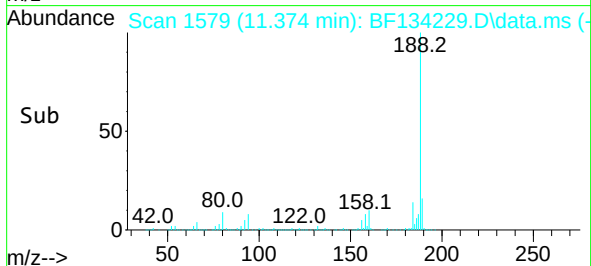
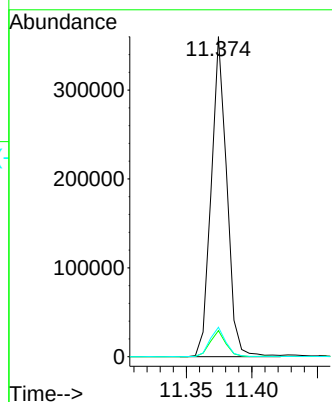
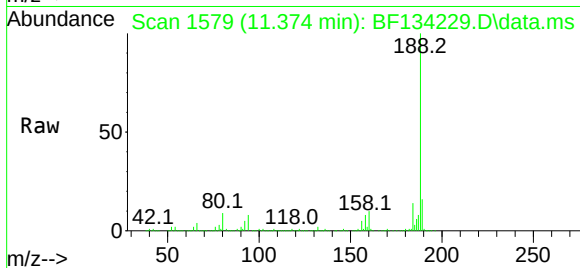
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)

Tgt Ion:188 Resp: 29885
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.2 7.3 10.9

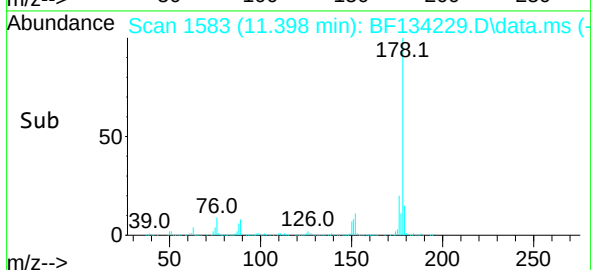
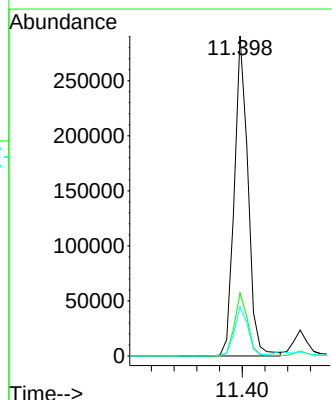
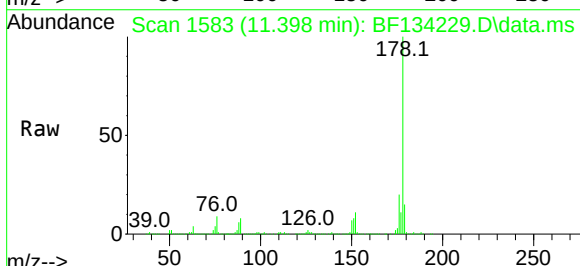
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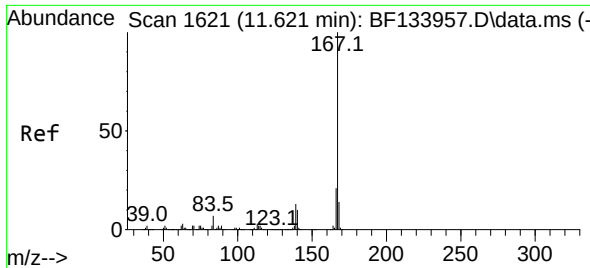
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#71
Phenanthrene
Concen: 16.050 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

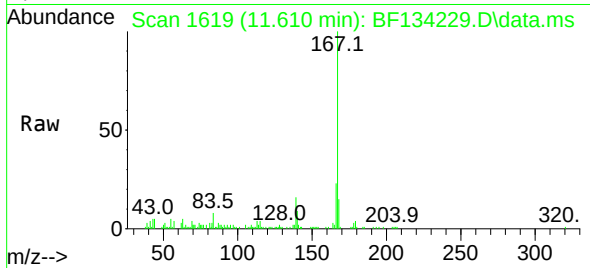
Tgt Ion:178 Resp: 241471
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 2.093 ng
 RT: 11.610 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF134229.D
 Acq: 12 Jul 2023 00:07

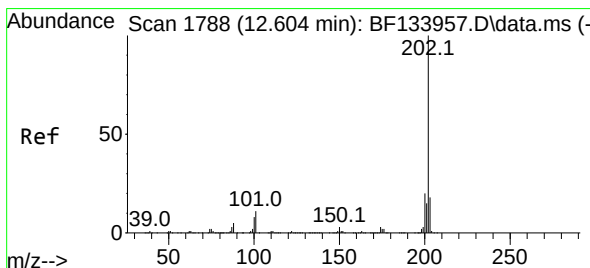
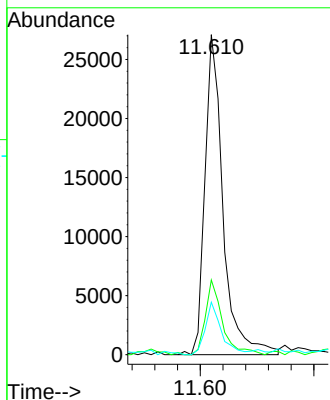
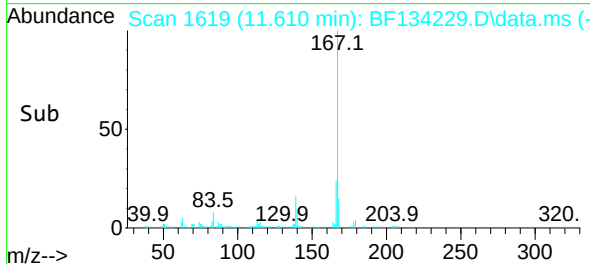
Instrument :
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Tgt Ion:167 Resp: 29970
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.0 25.6
 139 16.4 10.4 15.6

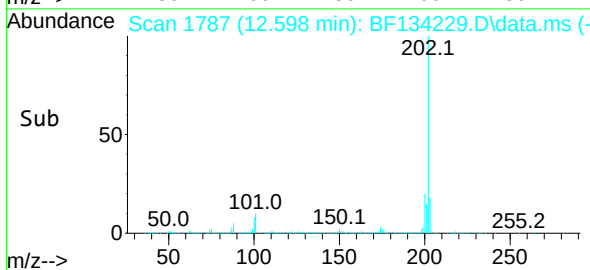
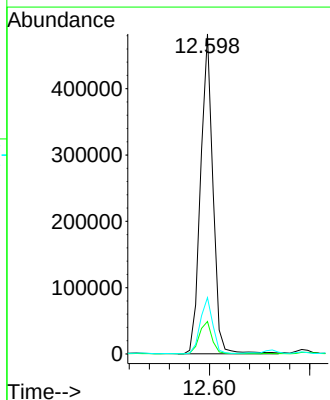
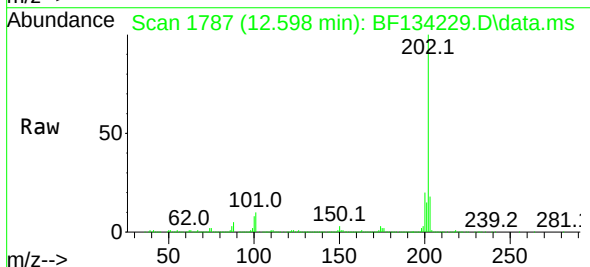
Manual Integrations
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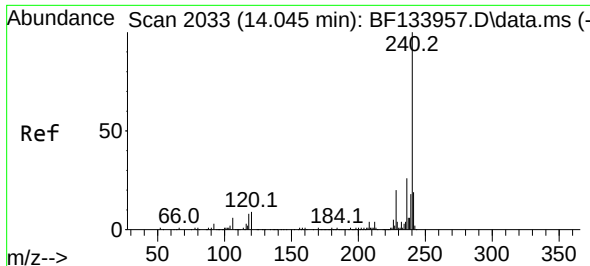
Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023



#75
 Fluoranthene
 Concen: 25.489 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF134229.D
 Acq: 12 Jul 2023 00:07

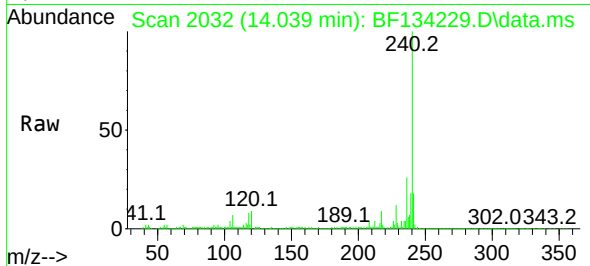
Tgt Ion:202 Resp: 414572
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

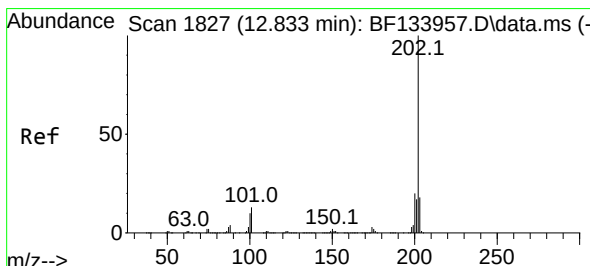
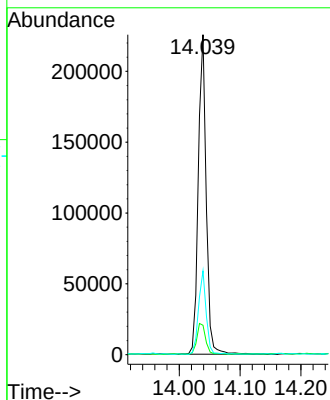
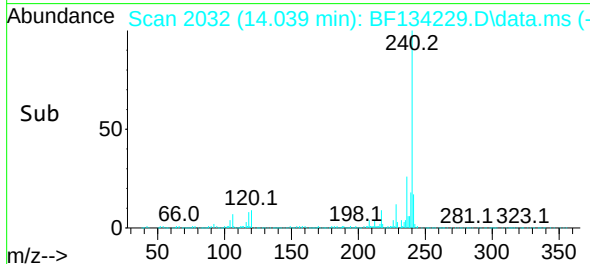
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



Tgt Ion:240 Resp: 205120
Ion Ratio Lower Upper
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120 9.2 7.4 11.0
236 26.2 21.0 31.6

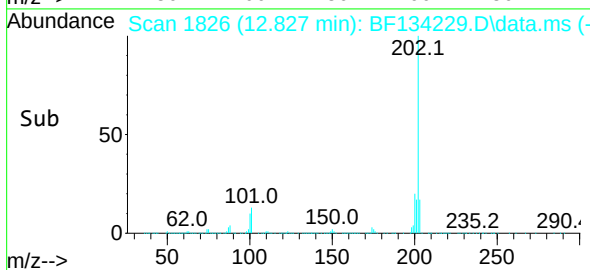
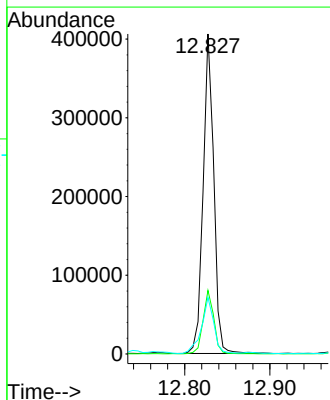
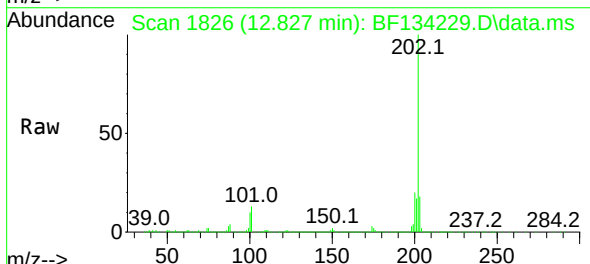
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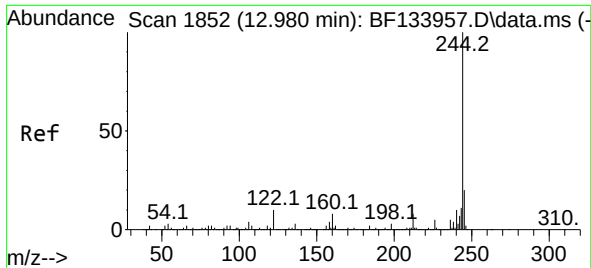
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#78
Pyrene
Concen: 18.467 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

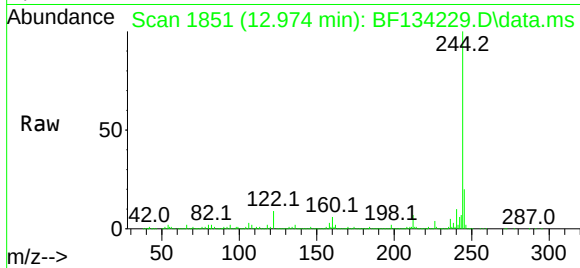
Tgt Ion:202 Resp: 352524
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.7 14.3 21.5





#79
Terphenyl-d14
Concen: 47.786 ng
RT: 12.974 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

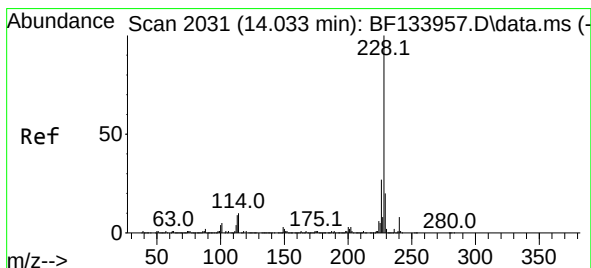
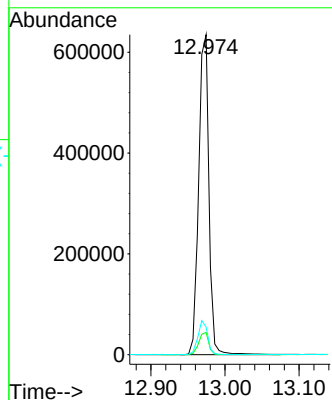
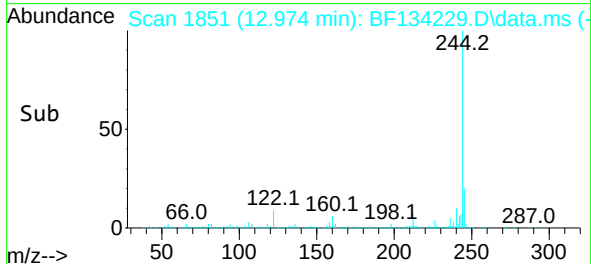
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



Tgt Ion:244 Resp: 609025
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.6 8.3 12.5

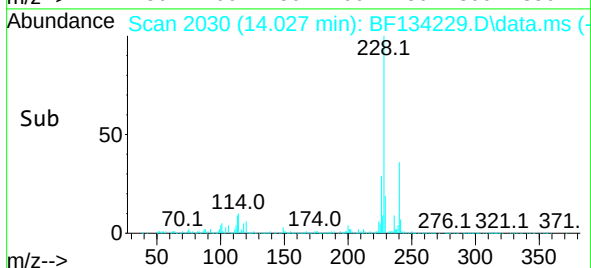
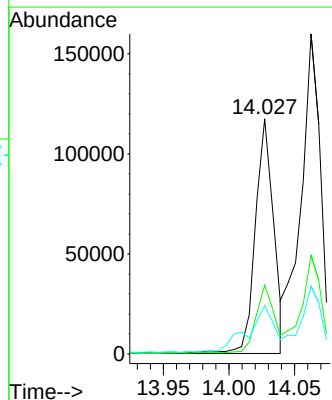
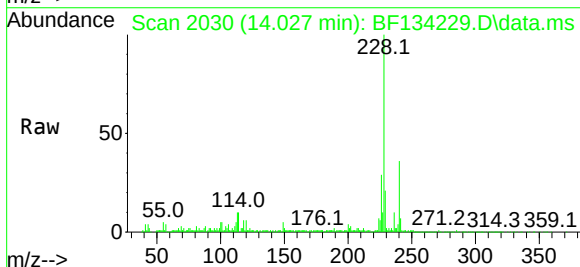
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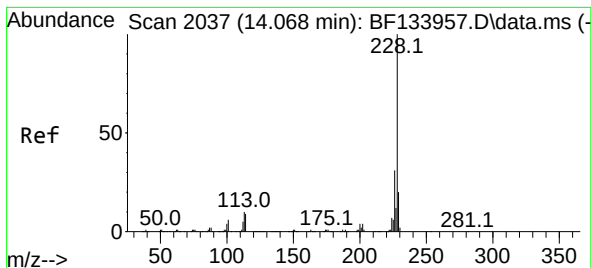
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#81
Benzo(a)anthracene
Concen: 8.012 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Tgt Ion:228 Resp: 113980
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 20.5 16.3 24.5





#83

Chrysene

Concen: 12.059 ng m

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

SB-6-(0-2)

Tgt Ion:228 Resp: 166158

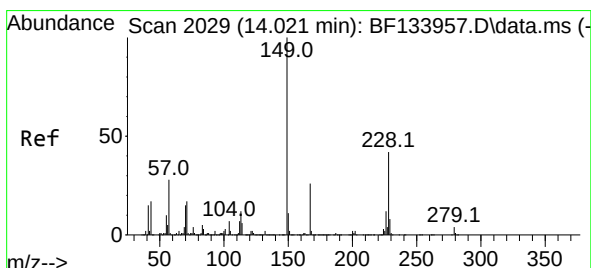
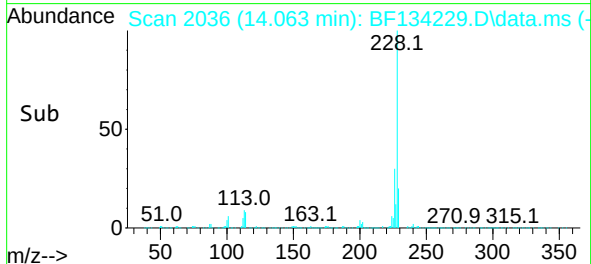
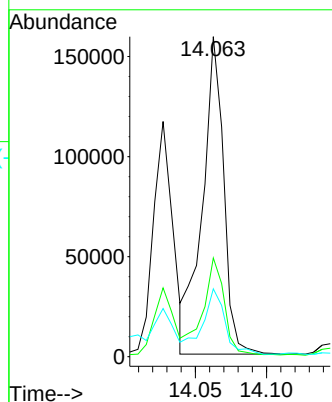
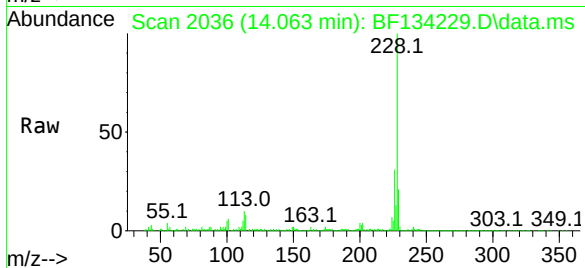
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	21.2	16.1	24.1

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.847 ng m

RT: 14.010 min Scan# 2027

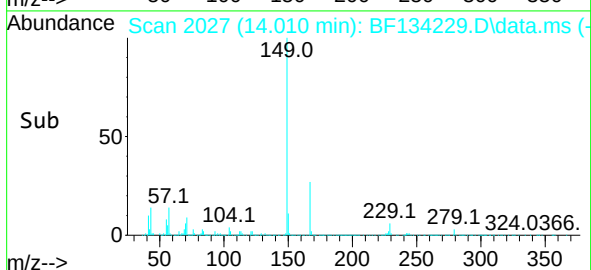
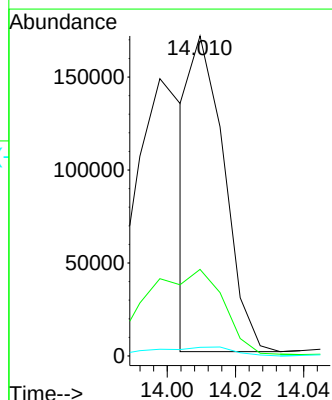
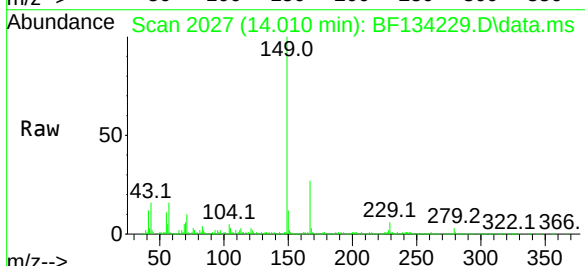
Delta R.T. -0.006 min

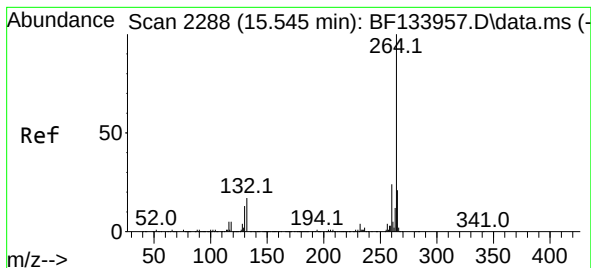
Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Tgt Ion:149 Resp: 113912

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.0	31.4
279	2.7	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

SB-6-(0-2)

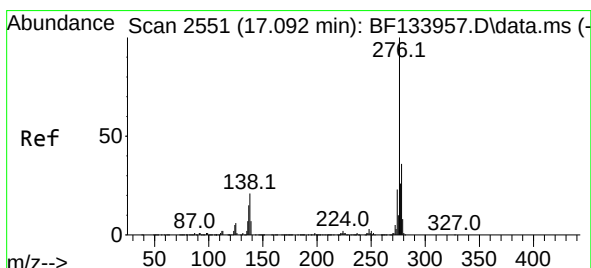
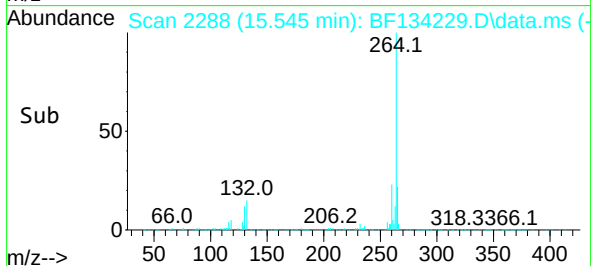
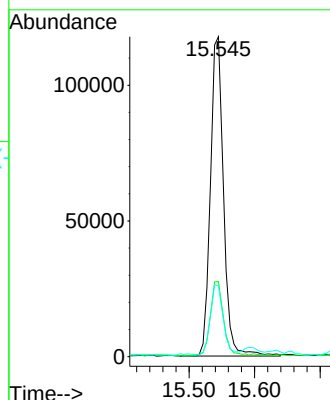
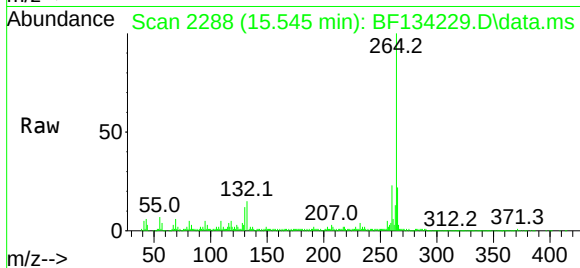
Tgt Ion:	264	Resp:	164238
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	22.2	16.6	25.0

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.568 ng

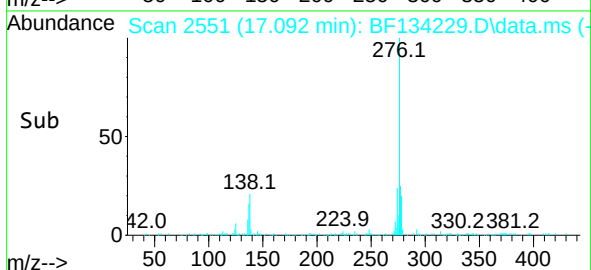
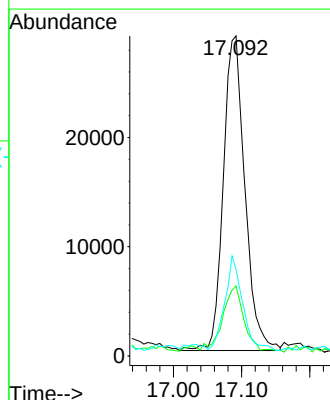
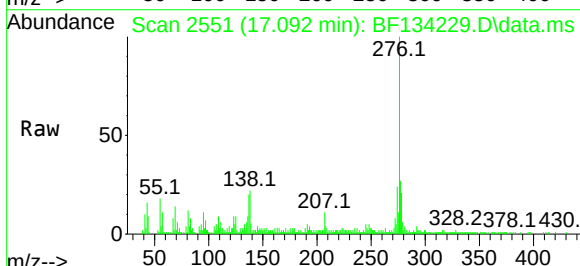
RT: 17.092 min Scan# 2551

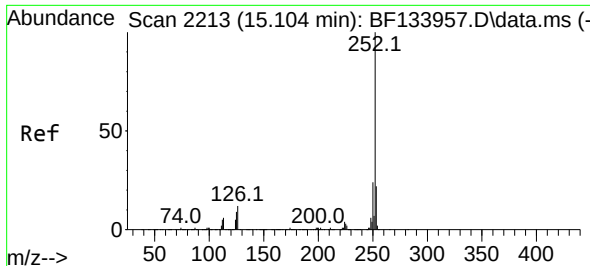
Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

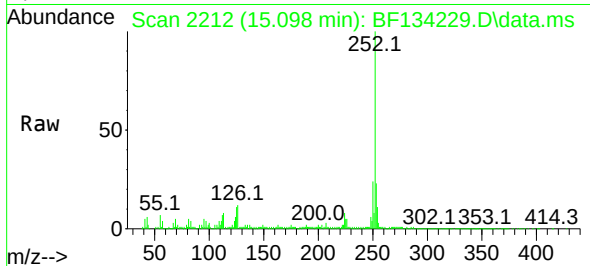
Tgt Ion:	276	Resp:	63456
Ion Ratio	Lower	Upper	
276	100		
138	19.4	18.7	28.1
277	24.8	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 19.910 ng m
RT: 15.098 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

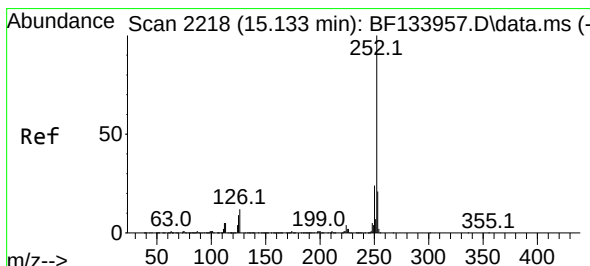
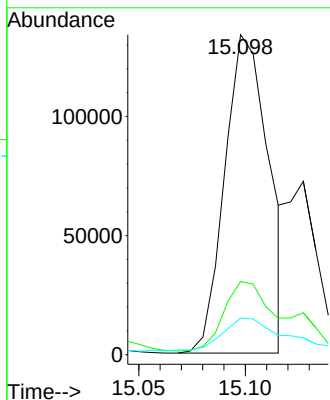
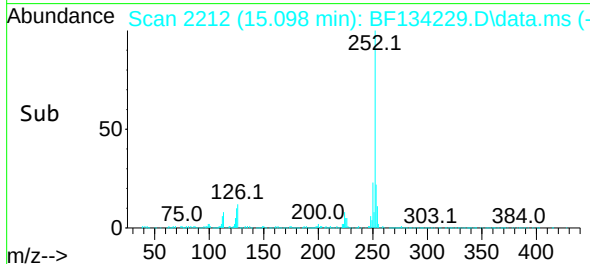
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



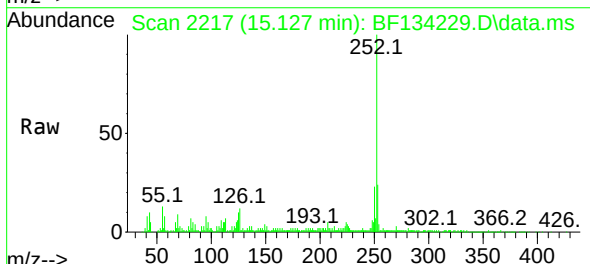
Tgt Ion:252 Resp: 192274
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.4 7.1 10.7

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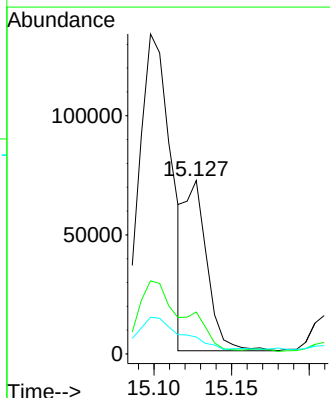
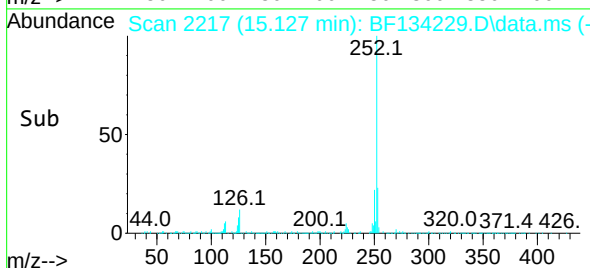
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

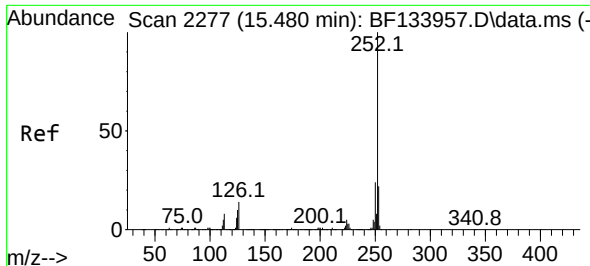


#89
Benzo(k)fluoranthene
Concen: 7.284 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07



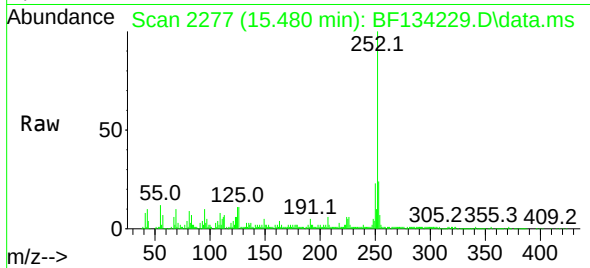
Tgt Ion:252 Resp: 71625
Ion Ratio Lower Upper
252 100
253 24.2 16.9 25.3
125 9.8 7.4 11.2





#90
Benzo(a)pyrene
Concen: 9.529 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

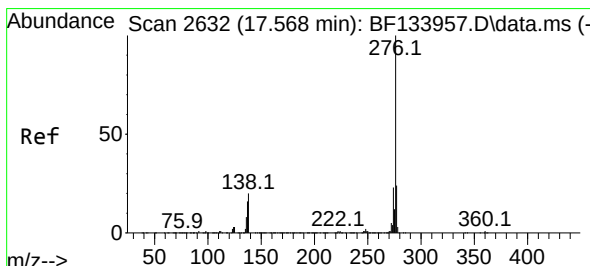
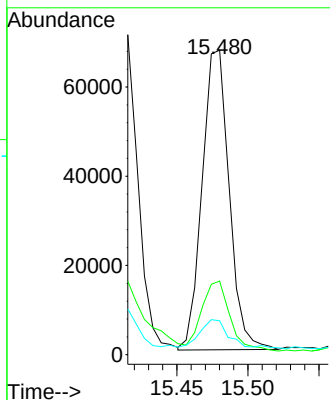
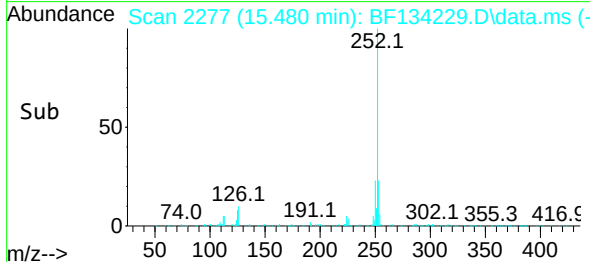
Instrument :
BNA_F
ClientSampleId :
SB-6-(0-2)



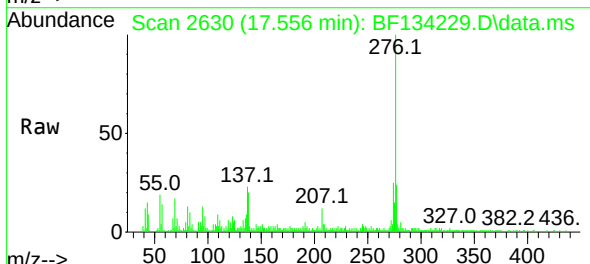
Tgt Ion:252 Resp: 88989
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.2 8.4 12.6

Manual Integrations
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Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#92
Benzo(g,h,i)perylene
Concen: 6.221 ng
RT: 17.556 min Scan# 2630
Delta R.T. -0.012 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07



Tgt Ion:276 Resp: 59719
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 19.9 16.2 24.2

