

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134363.D
 Acq On : 19 Jul 2023 17:30
 Operator : CG\JU
 Sample : 03597-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-48-(2-5)

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 18:18:32 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	63044	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	238813	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	112497	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	187148	20.000	ng	0.00
76) Chrysene-d12	14.033	240	129038	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	107613	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	370217	98.231	ng	0.00
7) Phenol-d6	6.481	99	447750	96.603	ng	0.00
23) Nitrobenzene-d5	7.398	82	310241	70.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	137016	97.141	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	593506	76.704	ng	-0.01
79) Terphenyl-d14	12.963	244	558085	69.607	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	50183	5.327	ng	99
75) Fluoranthene	12.592	202	80653	7.919	ng	94
78) Pyrene	12.822	202	65968	5.493	ng	97
81) Benzo(a)anthracene	14.021	228	36654	4.096	ng	99
83) Chrysene	14.057	228	34583	3.990	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	16836	2.255	ng	96
88) Benzo(b)fluoranthene	15.092	252	42287m	6.683	ng	
89) Benzo(k)fluoranthene	15.116	252	13028m	2.022	ng	
90) Benzo(a)pyrene	15.468	252	25937	4.239	ng	97
92) Benzo(g,h,i)perylene	17.551	276	13990	2.224	ng	# 90

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

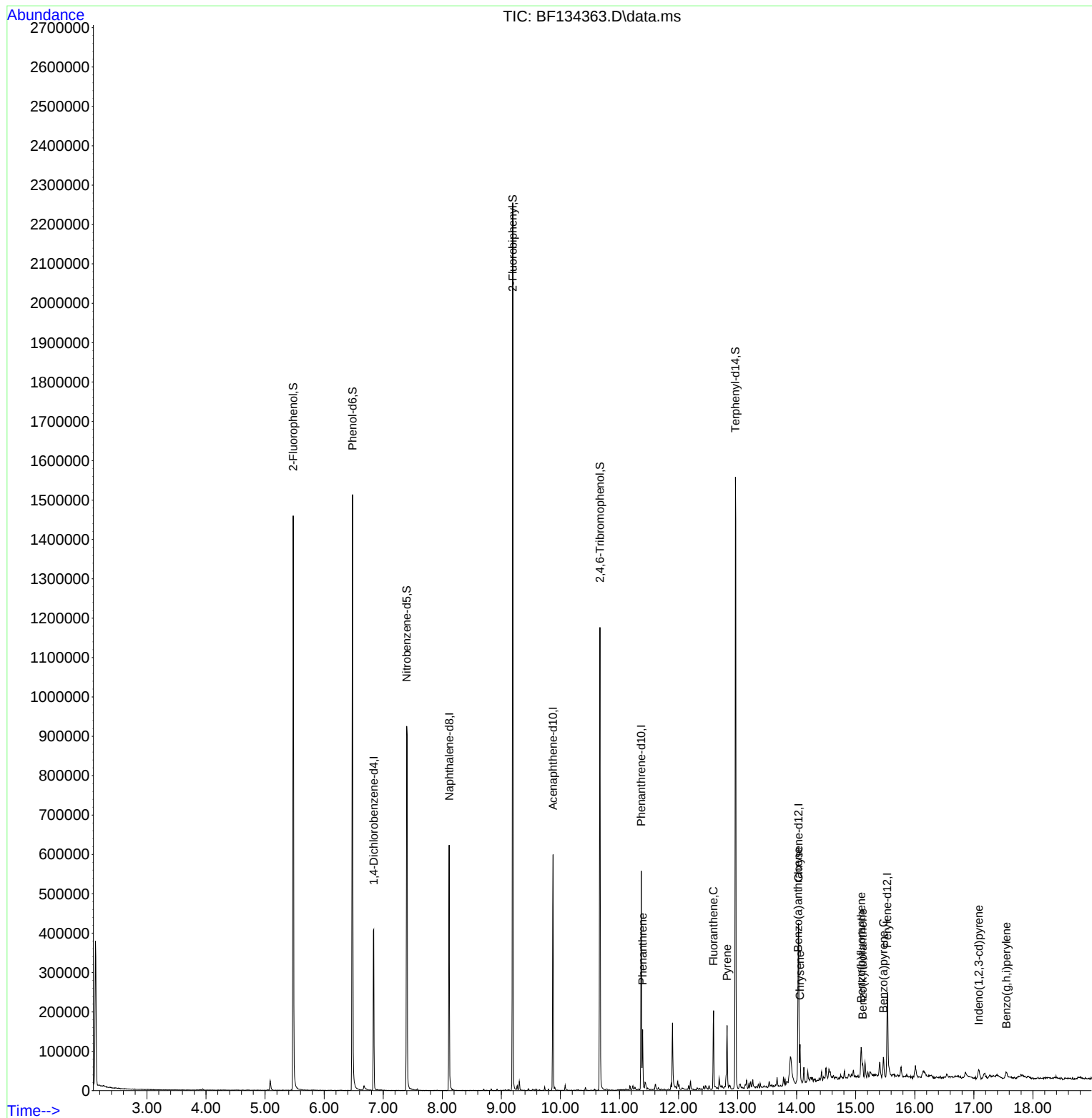
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
Data File : BF134363.D
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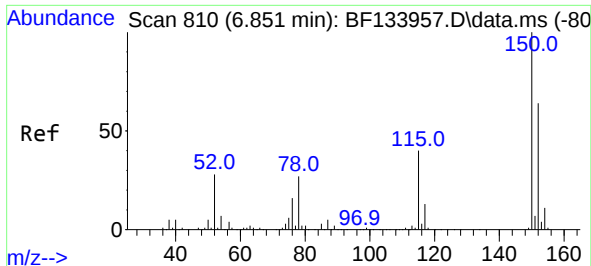
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Quant Time: Jul 19 18:18:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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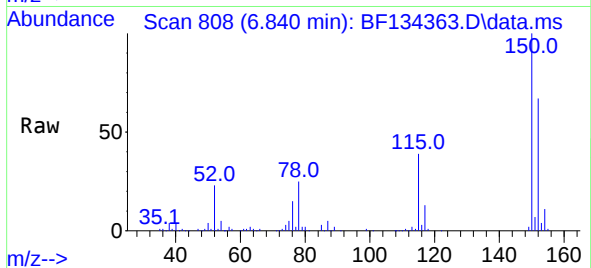
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

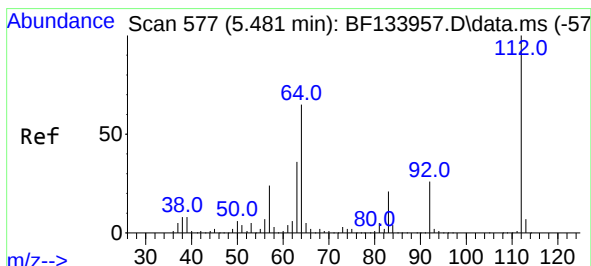
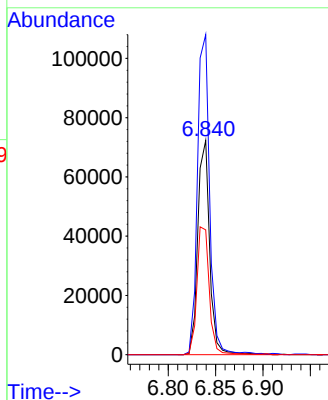
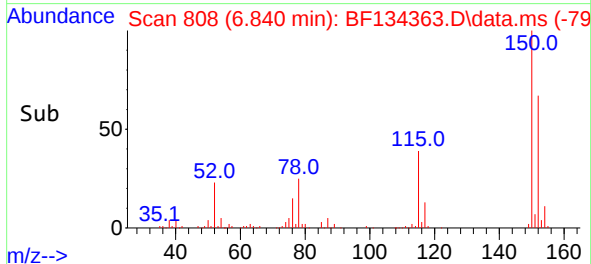
Instrument :
BNA_F
ClientSampleId :
RB-48-(2-5)



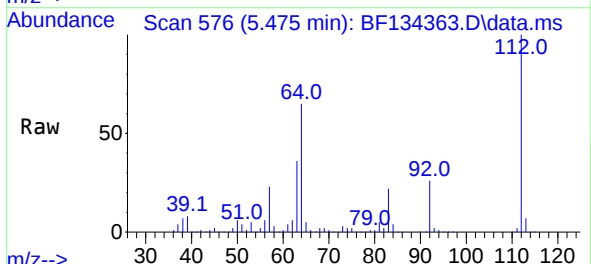
Tgt Ion:152 Resp: 63044
Ion Ratio Lower Upper
152 100
150 149.4 124.5 186.7
115 58.2 50.2 75.2

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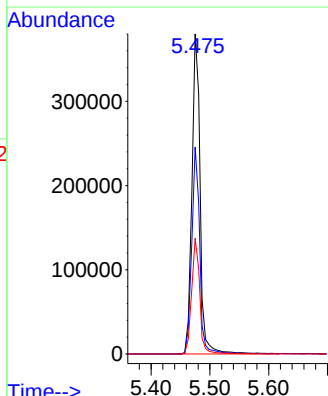
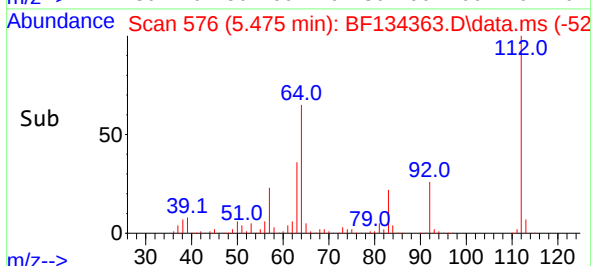
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

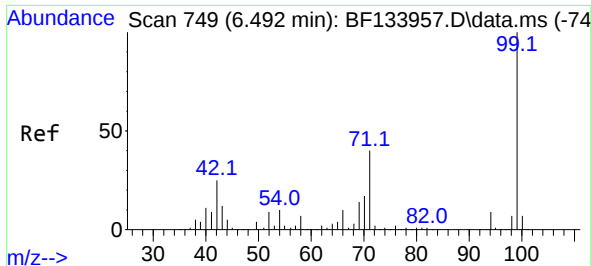


#5
2-Fluorophenol
Concen: 98.231 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



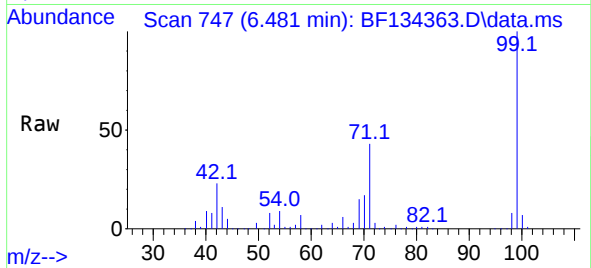
Tgt Ion:112 Resp: 370217
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 36.2 28.6 42.8





#7
Phenol-d6
Concen: 96.603 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

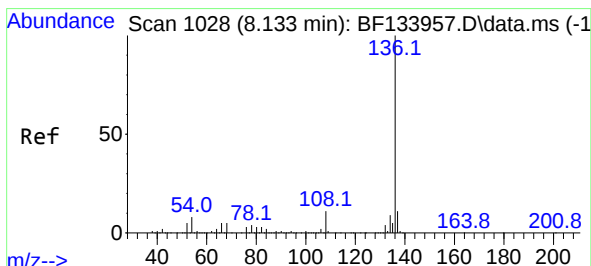
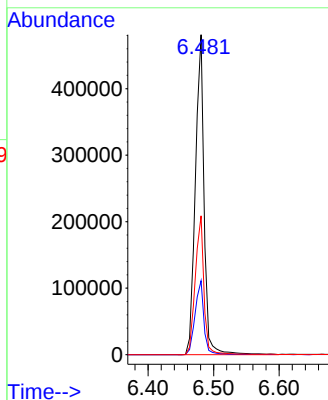
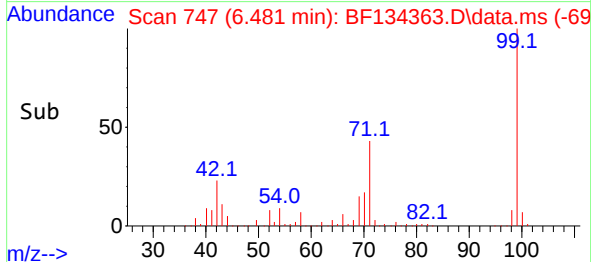
Instrument :
BNA_F
ClientSampleId :
RB-48-(2-5)



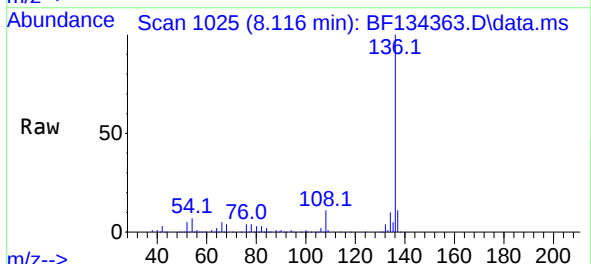
Tgt Ion: 99 Resp: 447750
Ion Ratio Lower Upper
99 100
42 23.1 19.8 29.6
71 43.4 31.9 47.9

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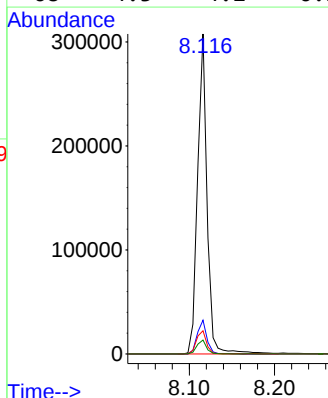
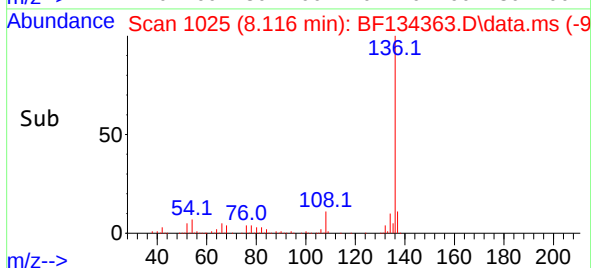
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

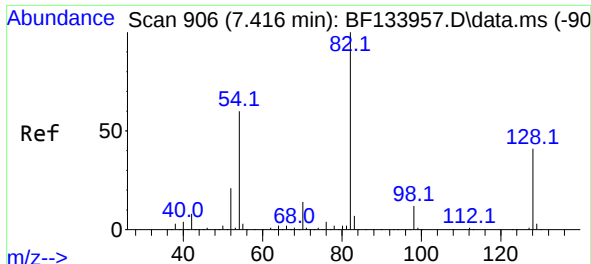


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



Tgt Ion:136 Resp: 238813
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.2 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 70.028 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134363.D

Acq: 19 Jul 2023 17:30

Instrument :

BNA_F

ClientSampleId :

RB-48-(2-5)

Tgt Ion: 82 Resp: 31024

Ion Ratio Lower Upper

82 100

128 38.5 32.5 48.7

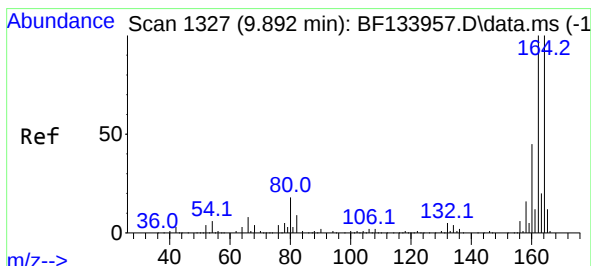
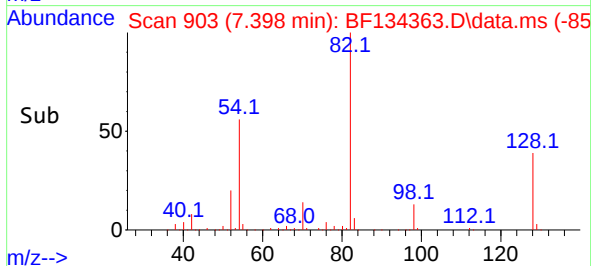
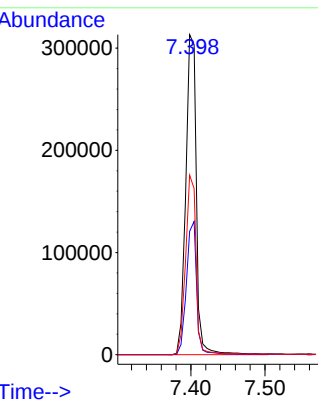
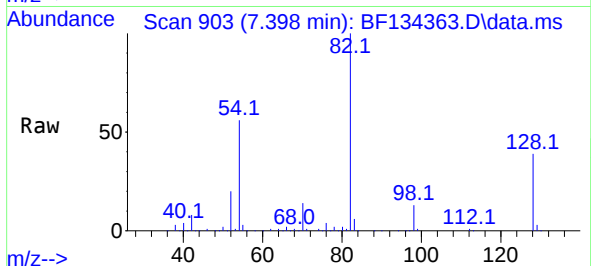
54 56.1 48.2 72.2

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: BF134363.D

Acq: 19 Jul 2023 17:30

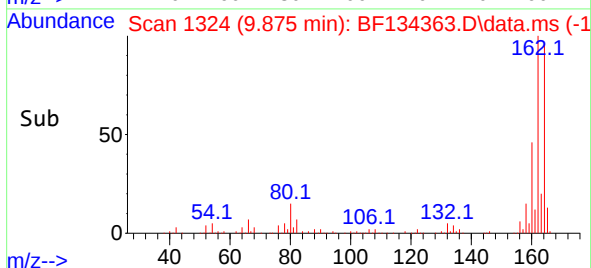
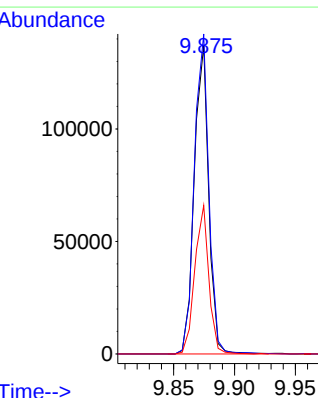
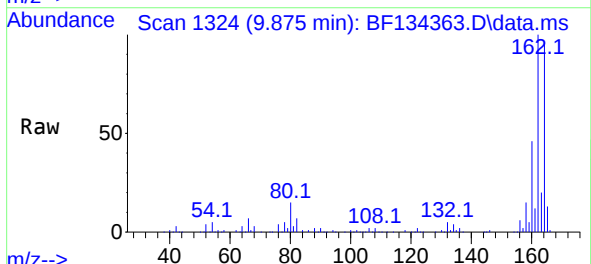
Tgt Ion:164 Resp: 112497

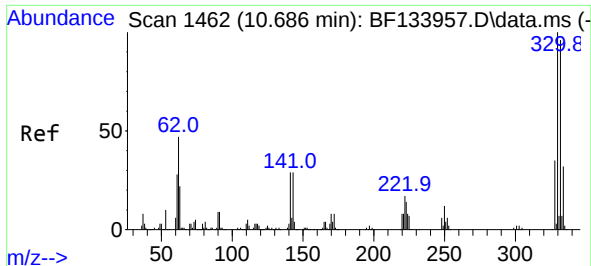
Ion Ratio Lower Upper

164 100

162 103.7 80.0 120.0

160 48.1 35.9 53.9





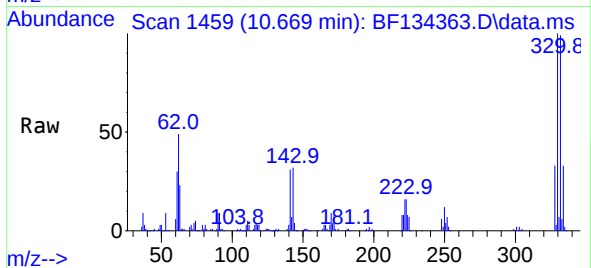
#42
2,4,6-Tribromophenol
Concen: 97.141 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

Instrument :

BNA_F

ClientSampleId :

RB-48-(2-5)

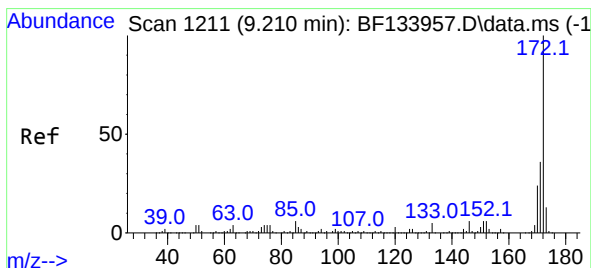
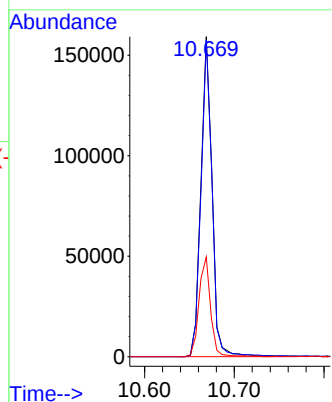
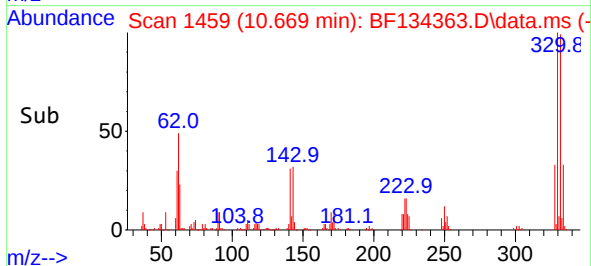


Tgt Ion:330 Resp: 137010
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.6
141 32.3 26.3 39.5

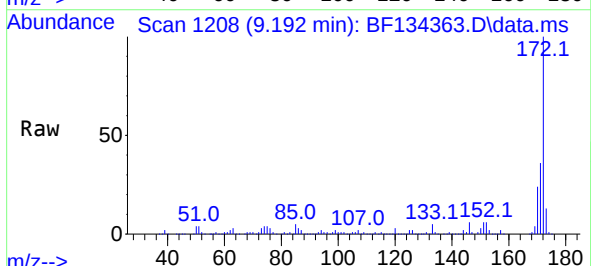
Manual Integrations

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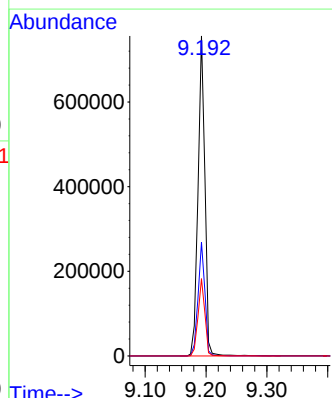
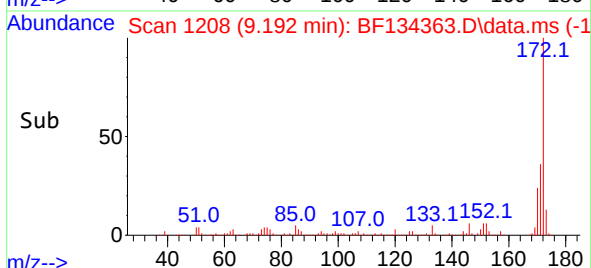
Reviewed By :Yogesh Patel 07/20/2023
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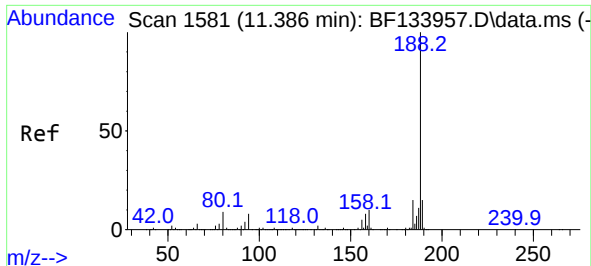


#45
2-Fluorobiphenyl
Concen: 76.704 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



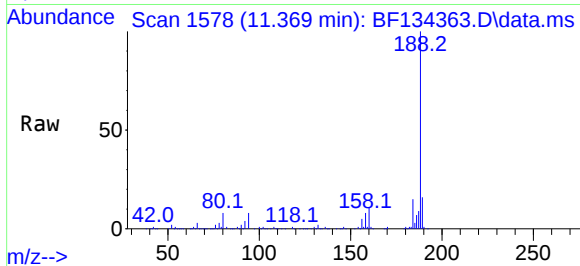
Tgt Ion:172 Resp: 593506
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.2 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

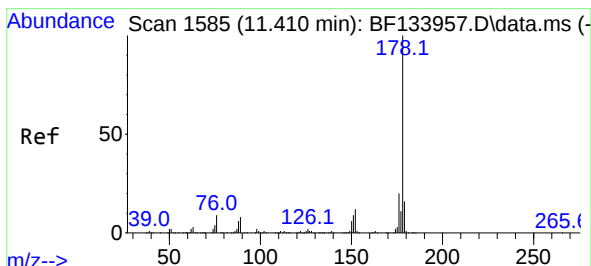
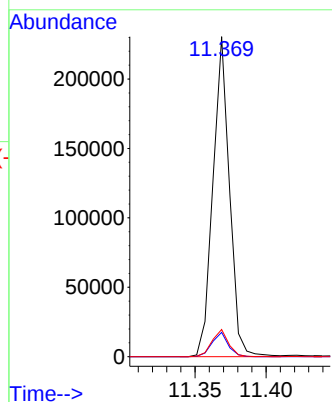
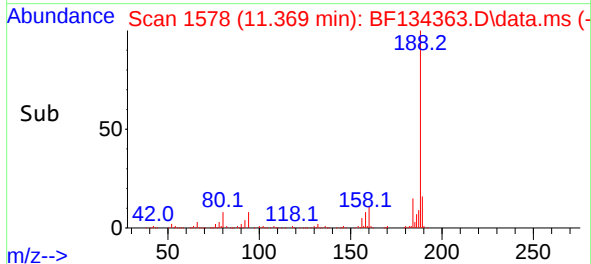
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BNA_F
ClientSampleId :
RB-48-(2-5)



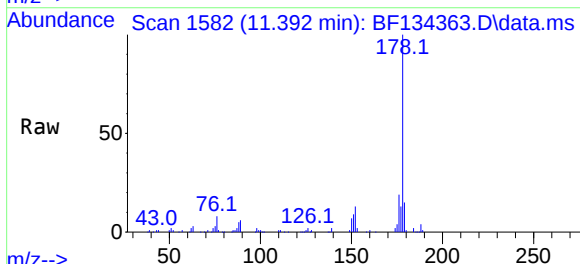
Tgt Ion:188 Resp: 18714
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 8.5 7.3 10.9

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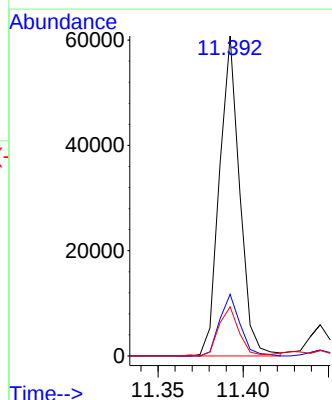
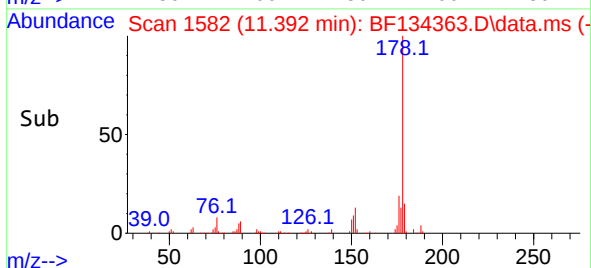
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

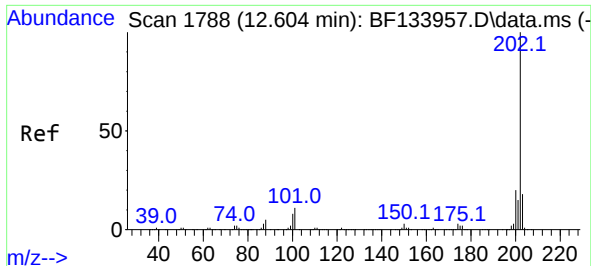


#71
Phenanthrene
Concen: 5.327 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



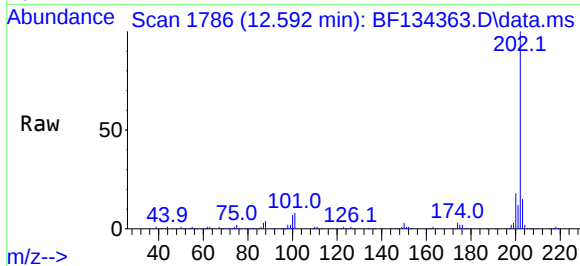
Tgt Ion:178 Resp: 50183
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 7.919 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

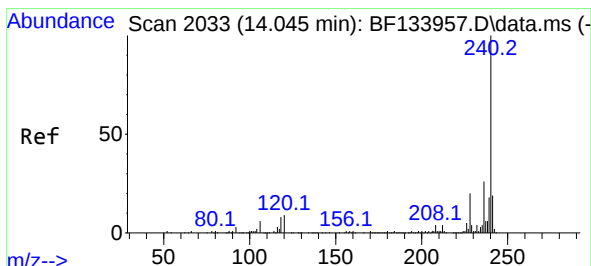
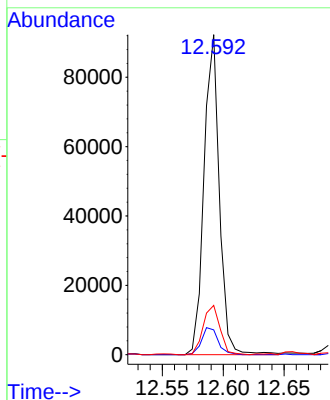
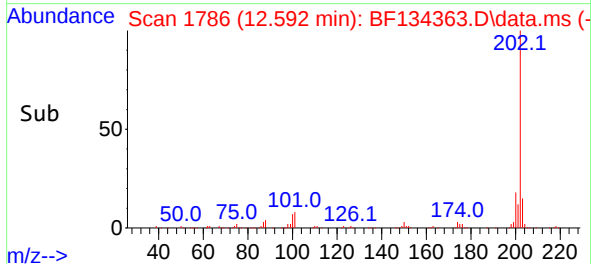
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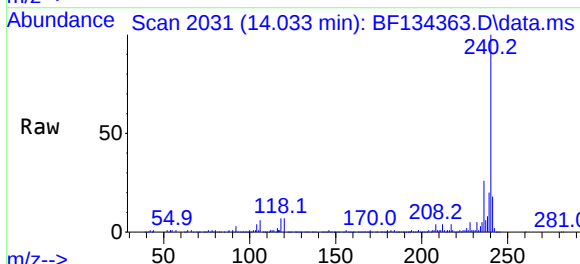
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Ion Ratio Lower Upper
202 100
101 7.7 0.0 31.0
203 15.4 0.0 37.6

Manual Integrations
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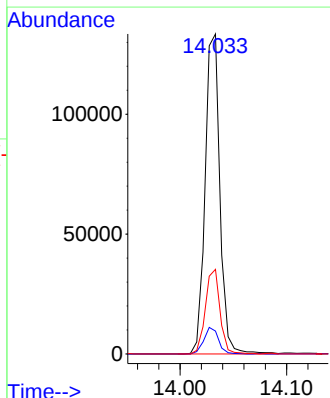
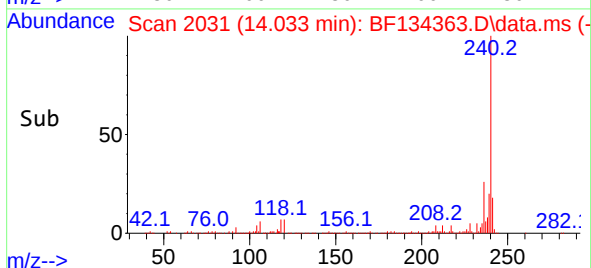
Reviewed By :Yogesh Patel 07/20/2023
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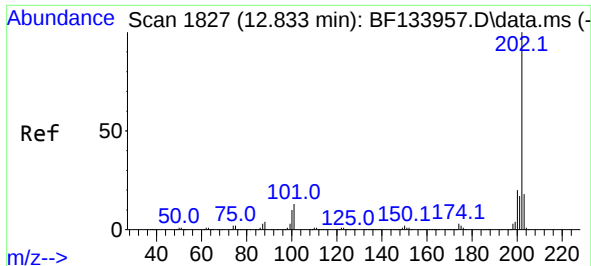


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



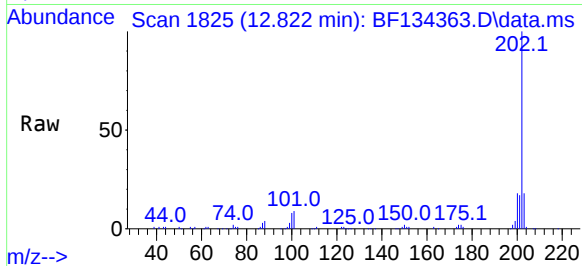
Tgt Ion:240 Resp: 129038
Ion Ratio Lower Upper
240 100
120 7.1 7.4 11.0#
236 26.5 21.0 31.6





#78
Pyrene
Concen: 5.493 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

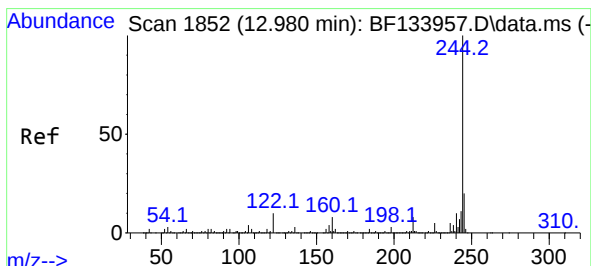
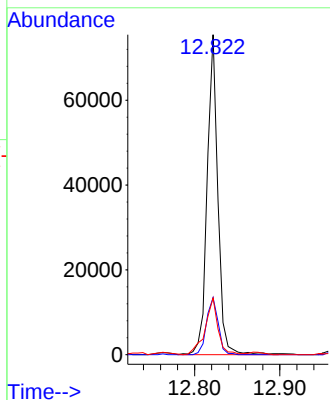
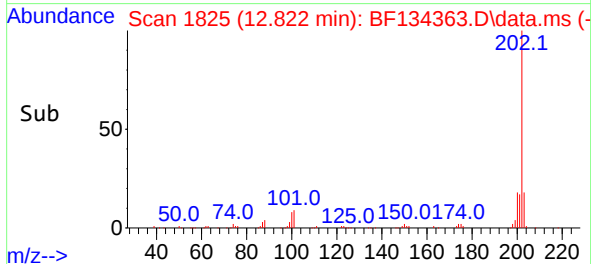
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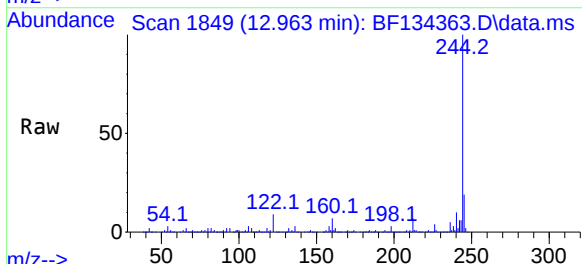
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Ion Ratio Lower Upper
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200 17.8 16.1 24.1
203 17.7 14.3 21.5

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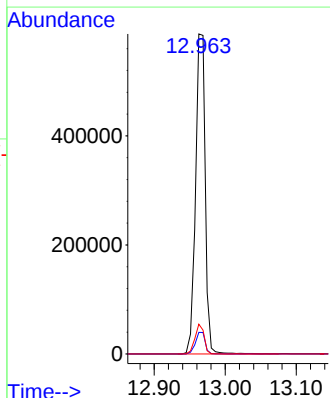
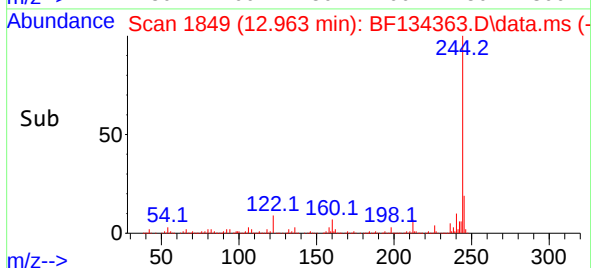
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

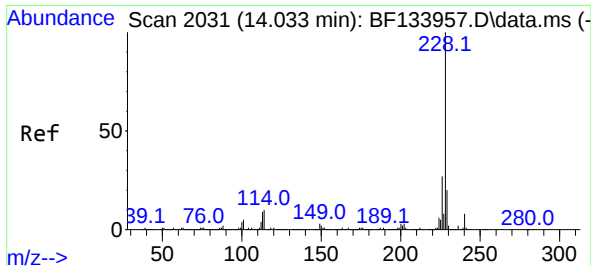


#79
Terphenyl-d14
Concen: 69.607 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



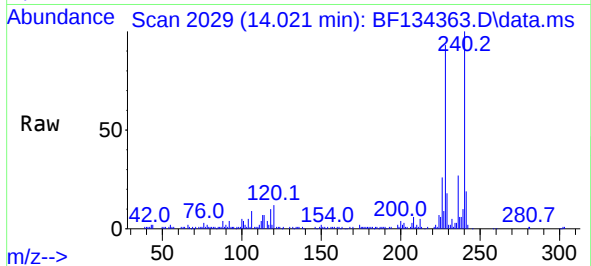
Tgt Ion:244 Resp: 558085
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.3 8.3 12.5





#81
Benzo(a)anthracene
Concen: 4.096 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

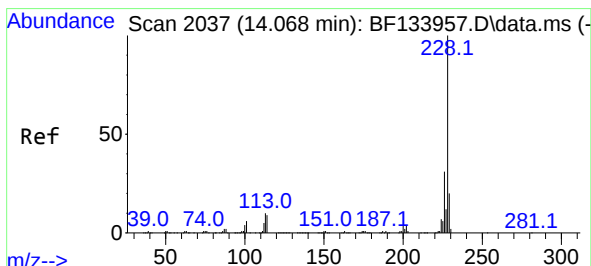
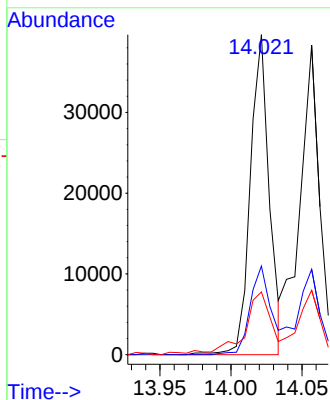
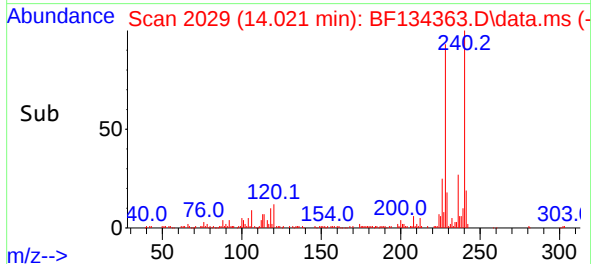
Instrument :
BNA_F
ClientSampleId :
RB-48-(2-5)



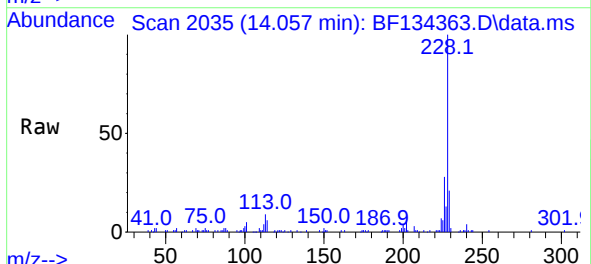
Tgt Ion:228 Resp: 36654
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 19.6 16.3 24.5

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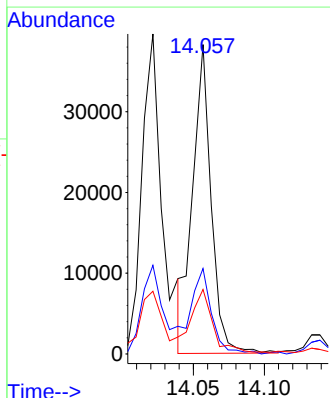
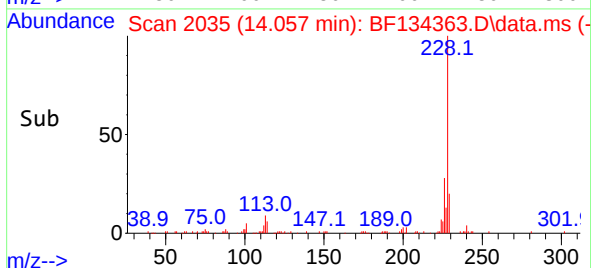
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

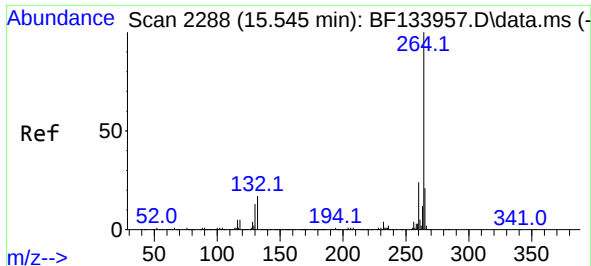


#83
Chrysene
Concen: 3.990 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



Tgt Ion:228 Resp: 34583
Ion Ratio Lower Upper
228 100
226 27.6 24.4 36.6
229 20.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

Instrument :

BNA_F

ClientSampleId :

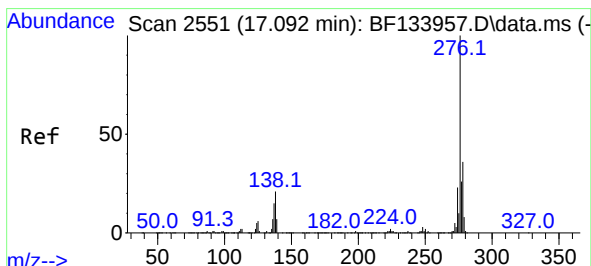
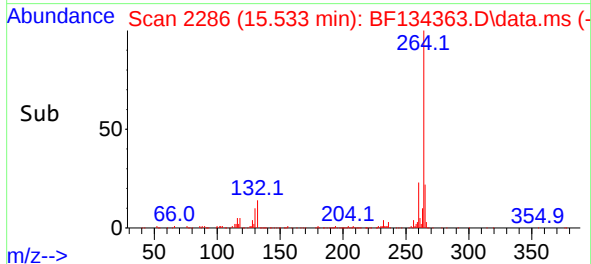
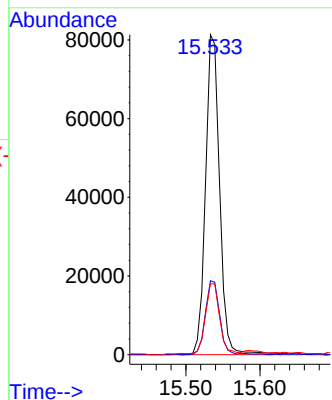
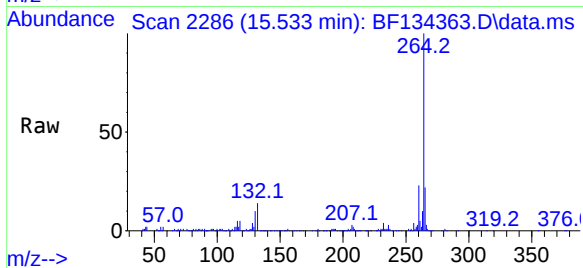
RB-48-(2-5)

Tgt Ion:264 Resp: 10761
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.2 16.6 25.0

Manual Integrations

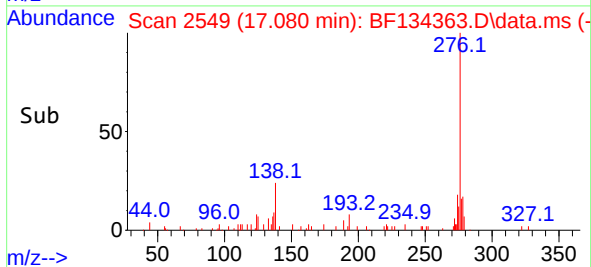
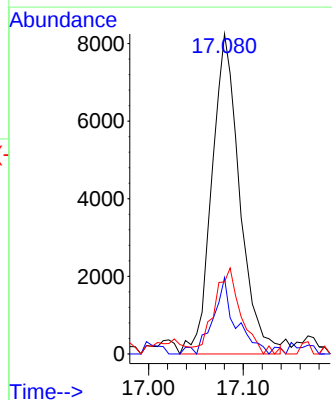
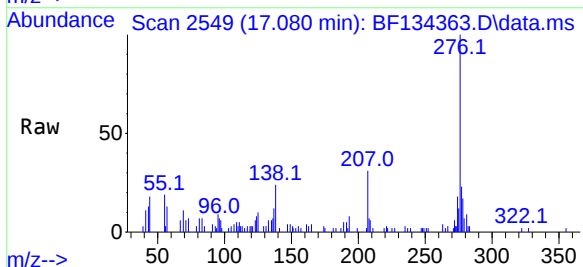
APPROVED

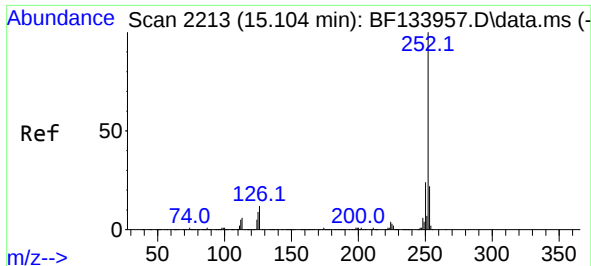
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.255 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.017 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

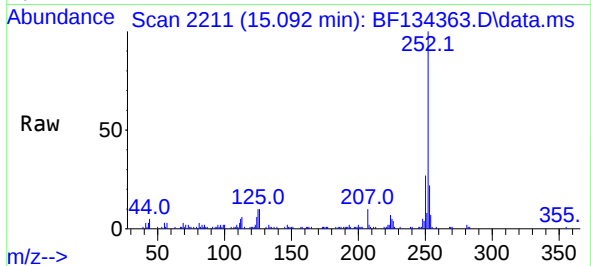
Tgt Ion:276 Resp: 16836
Ion Ratio Lower Upper
276 100
138 19.4 18.7 28.1
277 25.1 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 6.683 ng m
RT: 15.092 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

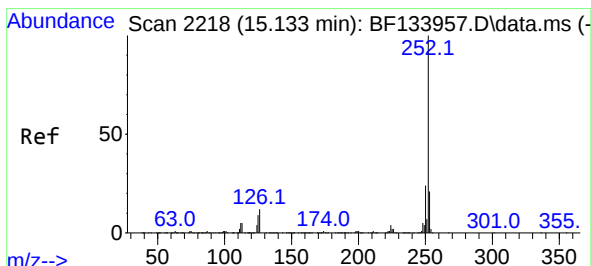
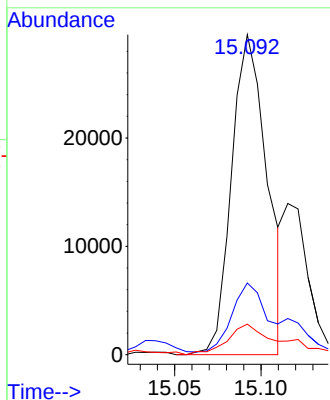
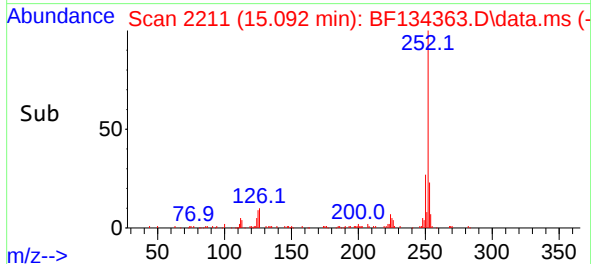
Instrument :
BNA_F
ClientSampleId :
RB-48-(2-5)



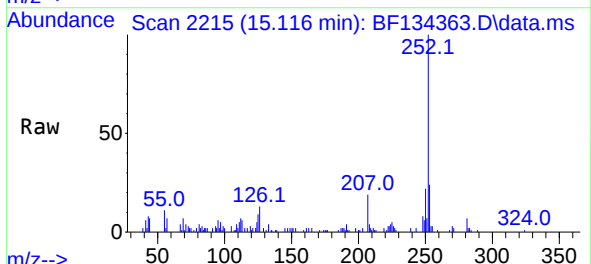
Tgt Ion:252 Resp: 4228
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 9.5 7.1 10.7

Manual Integrations
APPROVED

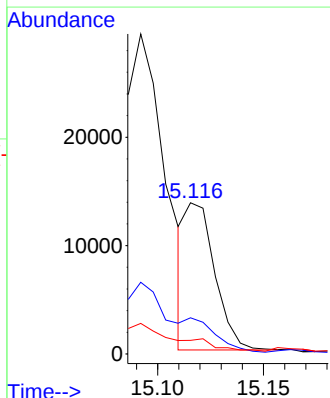
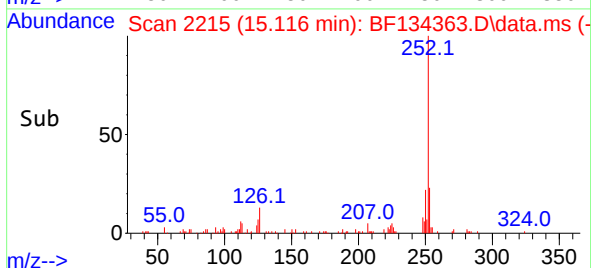
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

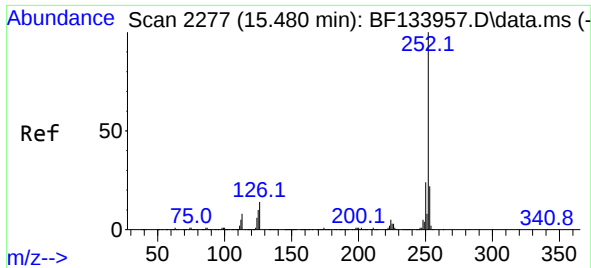


#89
Benzo(k)fluoranthene
Concen: 2.022 ng m
RT: 15.116 min Scan# 2215
Delta R.T. -0.017 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30



Tgt Ion:252 Resp: 13028
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 9.0 7.4 11.2





#90
Benzo(a)pyrene
Concen: 4.239 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

Instrument :

BNA_F

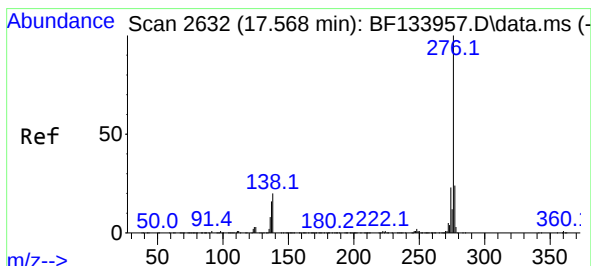
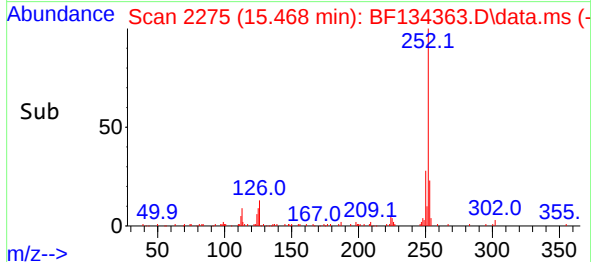
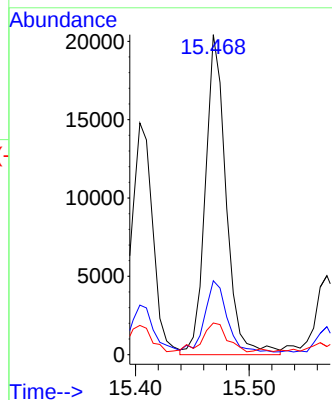
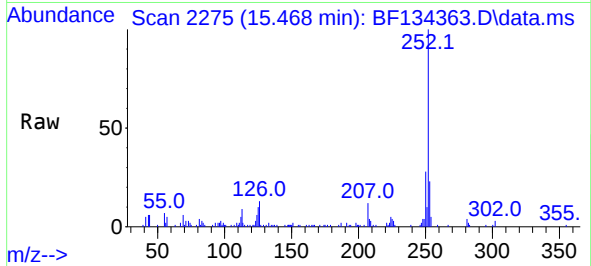
ClientSampleId :

RB-48-(2-5)

Tgt Ion:252 Resp: 2593
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.9 8.4 12.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.224 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.017 min
Lab File: BF134363.D
Acq: 19 Jul 2023 17:30

Tgt Ion:276 Resp: 13990
Ion Ratio Lower Upper
276 100
277 27.9 19.0 28.6
138 15.1 16.2 24.2#

