

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF133998.D
 Acq On : 27 Jun 2023 19:03
 Operator : CG\JU
 Sample : 03402-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-0623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 01:30:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	111127	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	403872	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	172626	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	267560	20.000	ng	0.00
76) Chrysene-d12	14.039	240	176579	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	134315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	557920	83.982	ng	0.00
7) Phenol-d6	6.487	99	649427	79.490	ng	0.00
23) Nitrobenzene-d5	7.410	82	431864	57.641	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	145946	67.431	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	752952	63.415	ng	0.00
79) Terphenyl-d14	12.980	244	600184	54.703	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	68137	5.059	ng	99
75) Fluoranthene	12.604	202	104292	7.162	ng	97
78) Pyrene	12.833	202	116841	7.110	ng	99
81) Benzo(a)anthracene	14.027	228	48018	3.921	ng	95
83) Chrysene	14.068	228	51213	4.318	ng	93
87) Indeno(1,2,3-cd)pyrene	17.086	276	44518	4.777	ng	97
88) Benzo(b)fluoranthene	15.104	252	72991m	9.242	ng	
89) Benzo(k)fluoranthene	15.127	252	19843m	2.468	ng	
90) Benzo(a)pyrene	15.480	252	38882	5.091	ng	# 90
92) Benzo(g,h,i)perylene	17.551	276	42585	5.425	ng	96

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

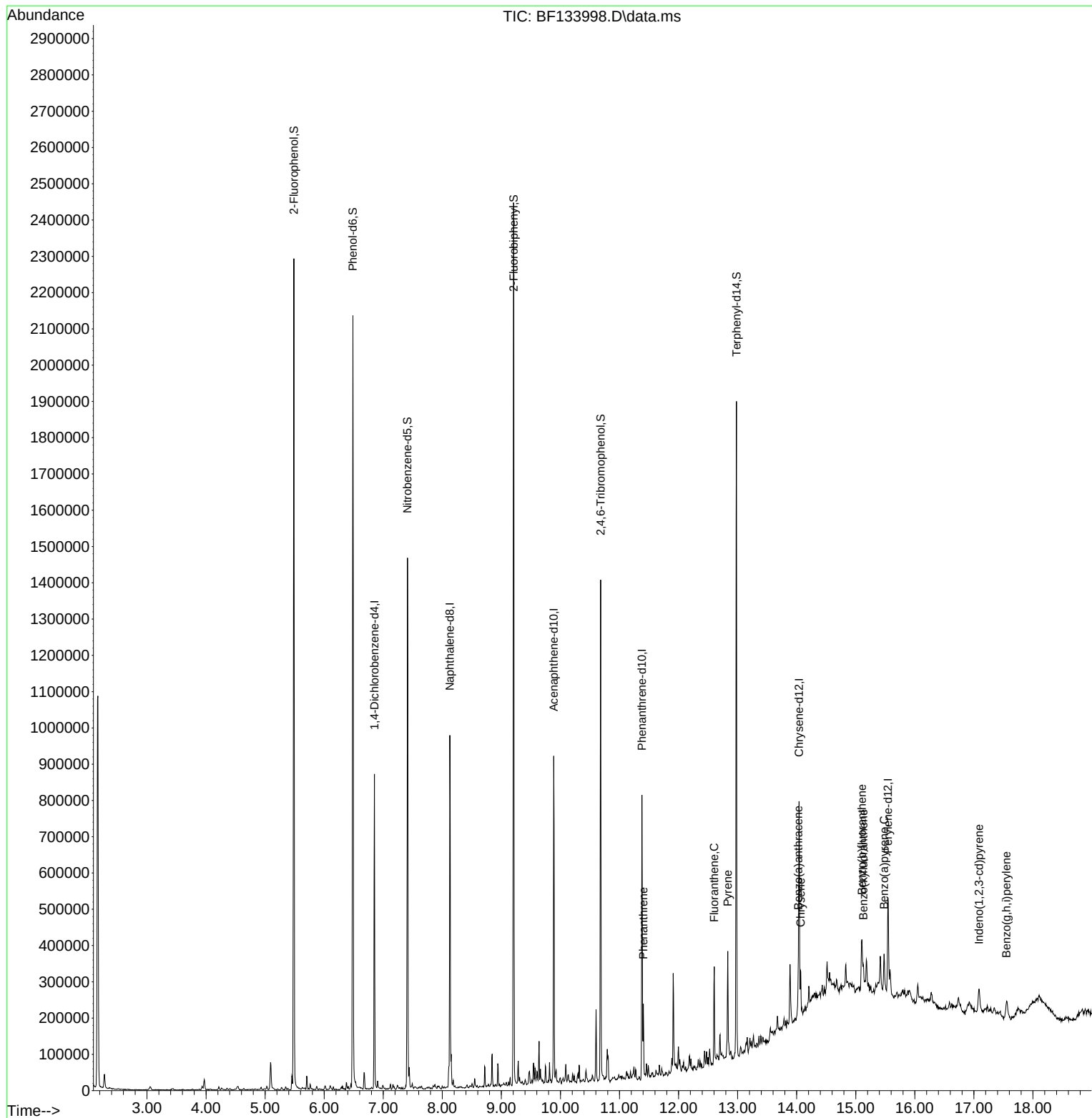
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF133998.D
Acq On : 27 Jun 2023 19:03
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Sample : 03402-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

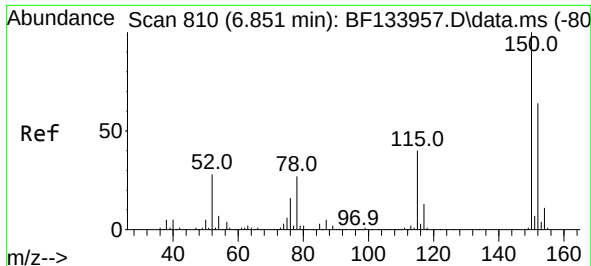
Instrument :
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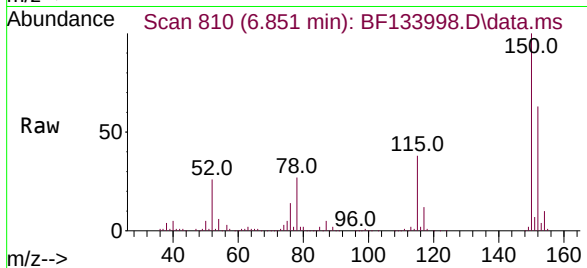
Quant Time: Jun 28 01:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

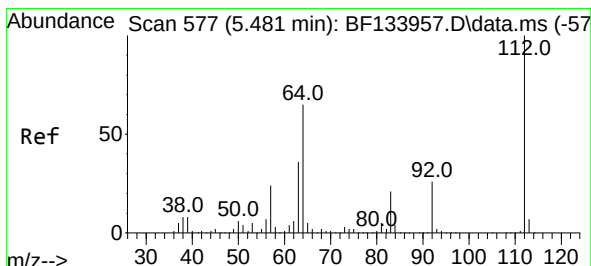
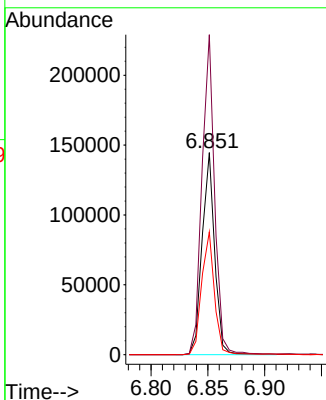
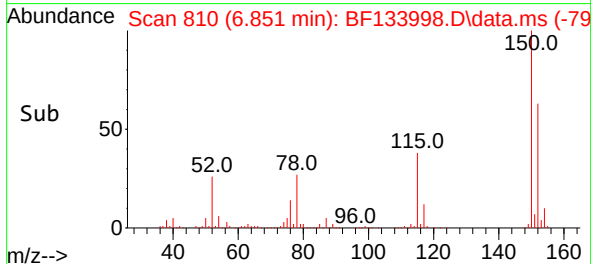
Instrument :
BNA_F
ClientSampleId :
TP1-0623



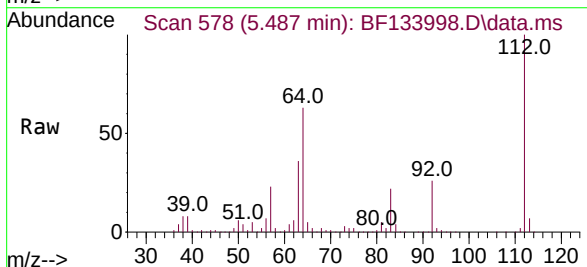
Tgt Ion:152 Resp: 111127
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 60.7 50.2 75.2

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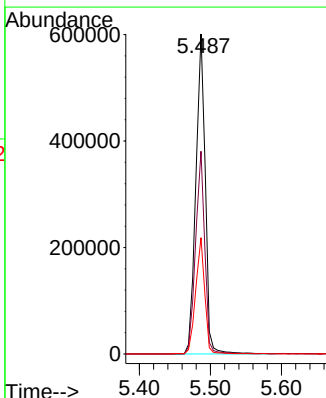
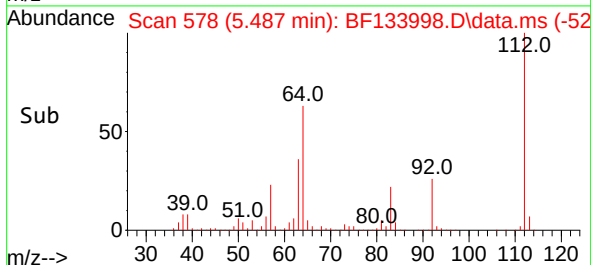
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

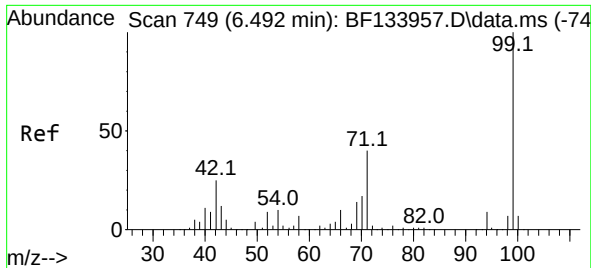


#5
2-Fluorophenol
Concen: 83.982 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03



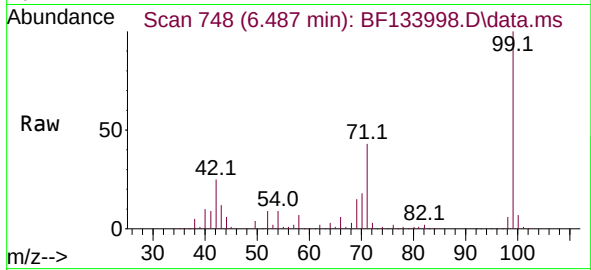
Tgt Ion:112 Resp: 557920
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 36.4 28.6 42.8





#7
Phenol-d6
Concen: 79.490 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

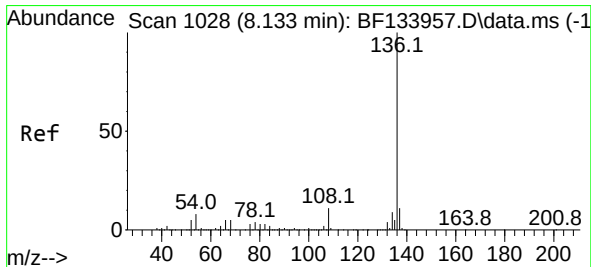
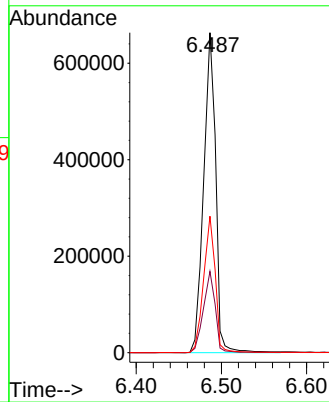
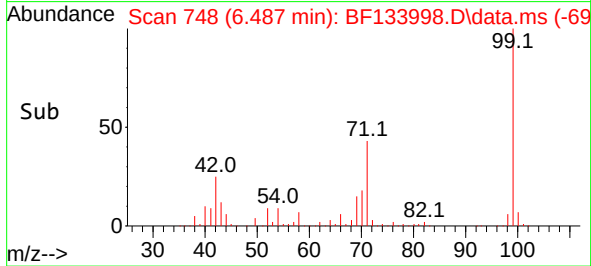
Instrument :
BNA_F
ClientSampleId :
TP1-0623



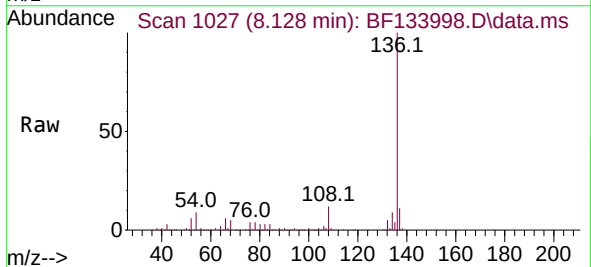
Tgt Ion: 99 Resp: 64942
Ion Ratio Lower Upper
99 100
42 25.4 19.8 29.6
71 42.6 31.9 47.9

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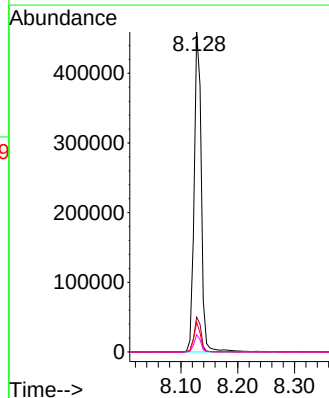
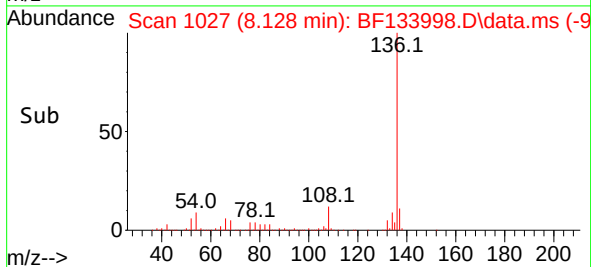
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

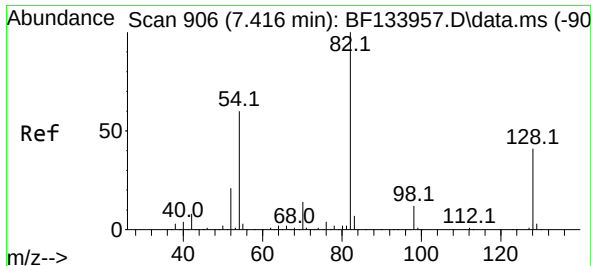


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03



Tgt Ion:136 Resp: 403872
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.3 6.5 9.7
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 57.641 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

Tgt Ion: 82 Resp: 431864

Ion Ratio Lower Upper

82 100

128 41.0 32.5 48.7

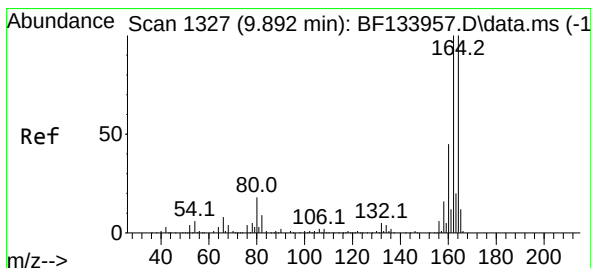
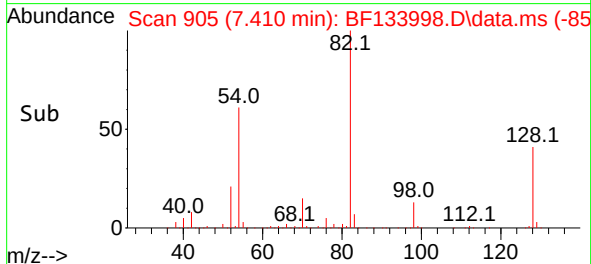
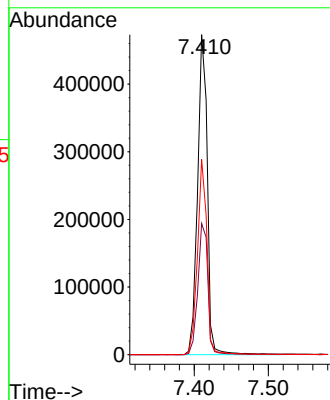
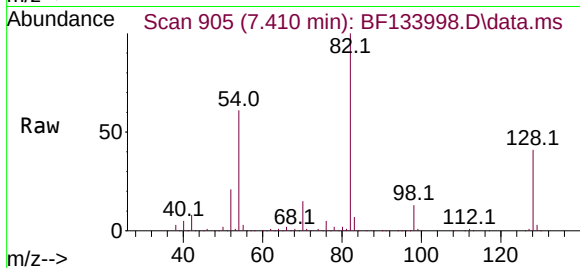
54 61.1 48.2 72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

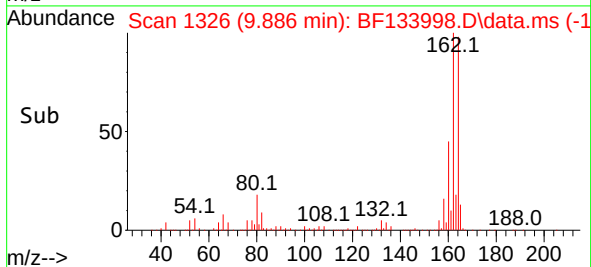
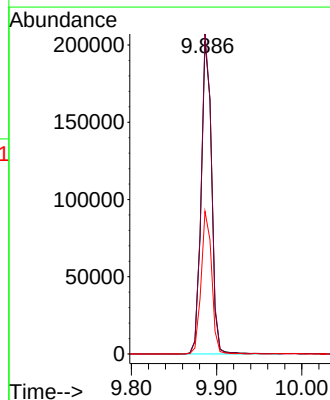
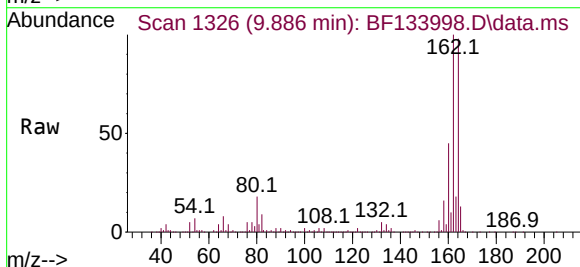
Tgt Ion:164 Resp: 172626

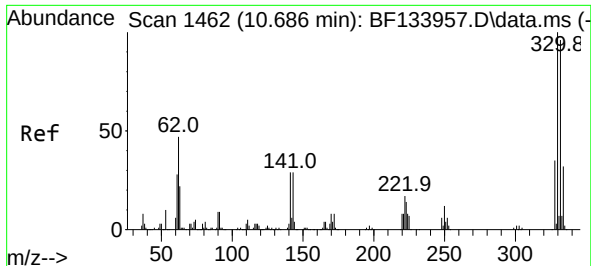
Ion Ratio Lower Upper

164 100

162 102.3 80.0 120.0

160 45.6 35.9 53.9





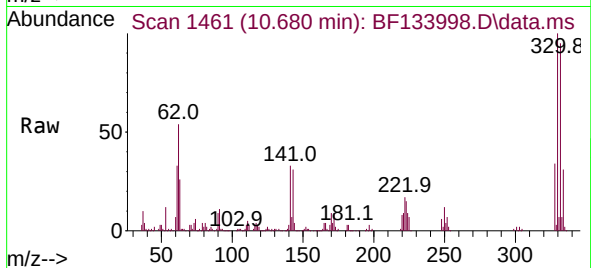
#42
2,4,6-Tribromophenol
Concen: 67.431 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623



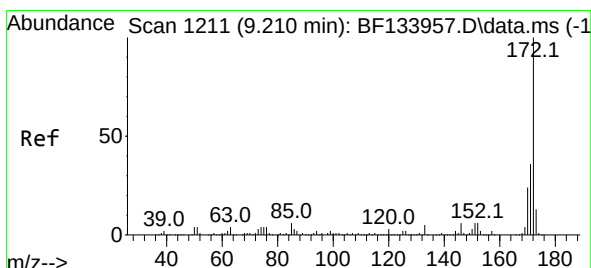
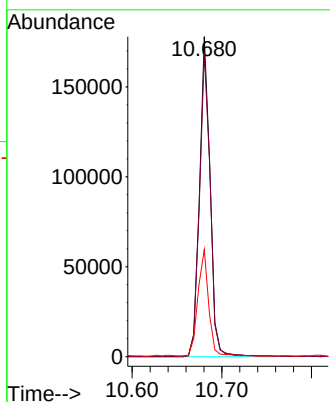
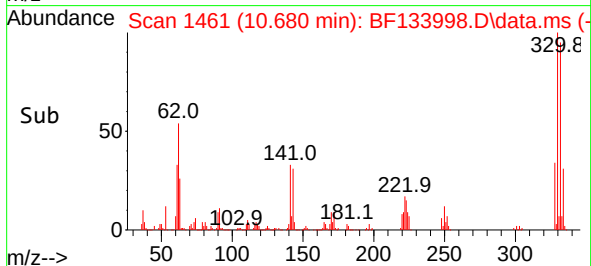
Tgt Ion:330 Resp: 145940
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 33.9 26.3 39.5

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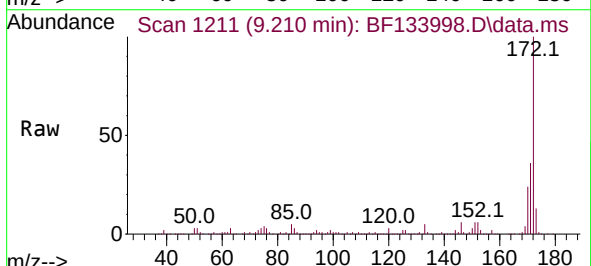
APPROVED

Reviewed By :Yogesh Patel 06/28/2023

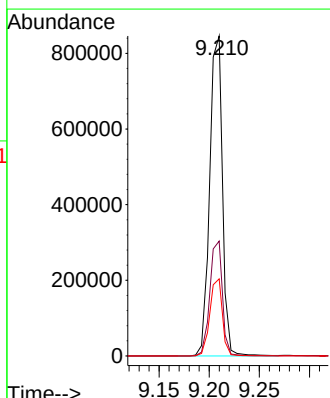
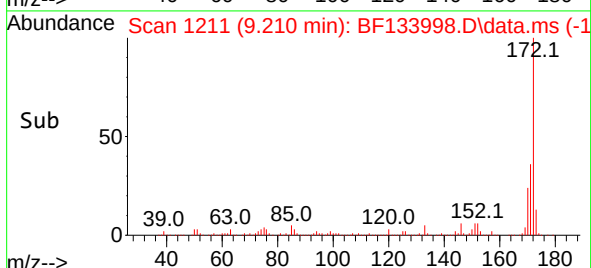
Supervised By :mohammad ahmed 06/29/2023

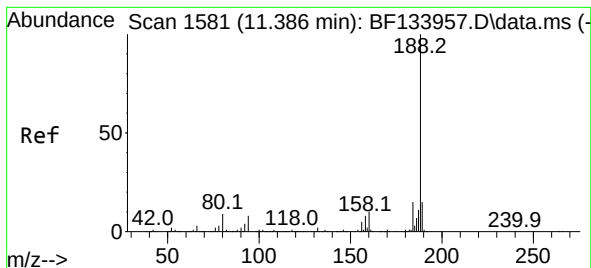


#45
2-Fluorobiphenyl
Concen: 63.415 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03



Tgt Ion:172 Resp: 752952
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.1 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

Tgt Ion:188 Resp: 267560

Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

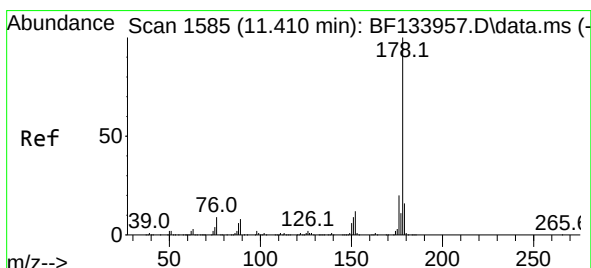
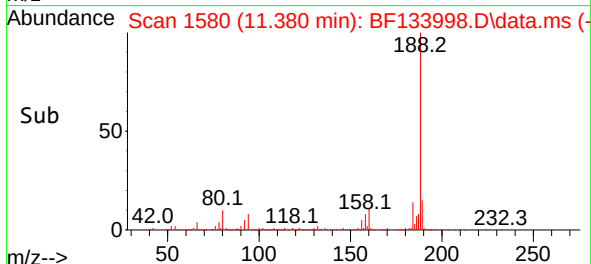
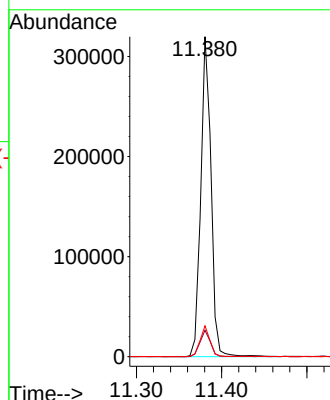
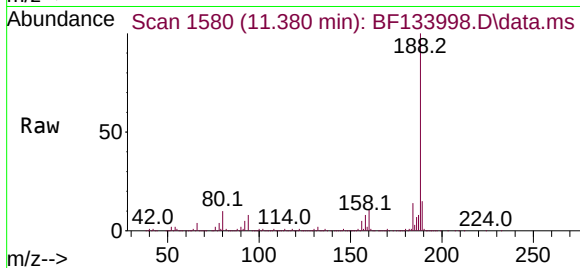
80 9.7 7.3 10.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#71

Phenanthrene

Concen: 5.059 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

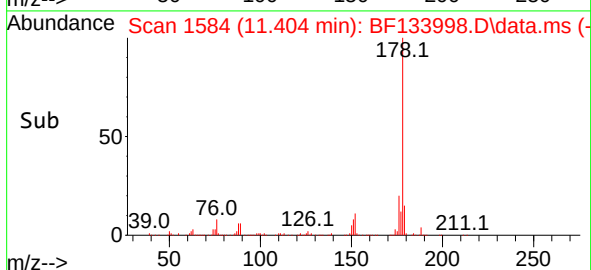
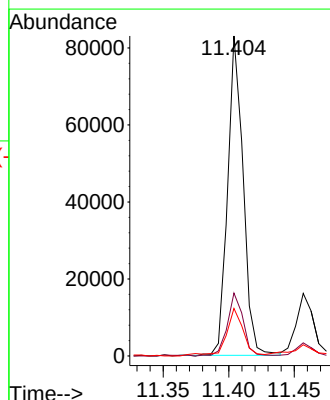
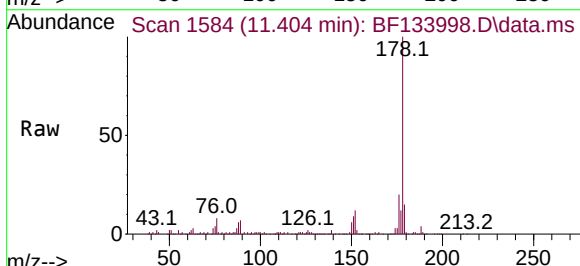
Tgt Ion:178 Resp: 68137

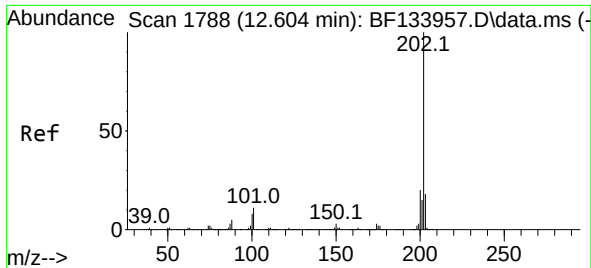
Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

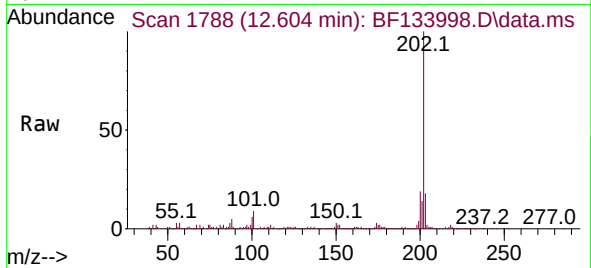
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 7.162 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

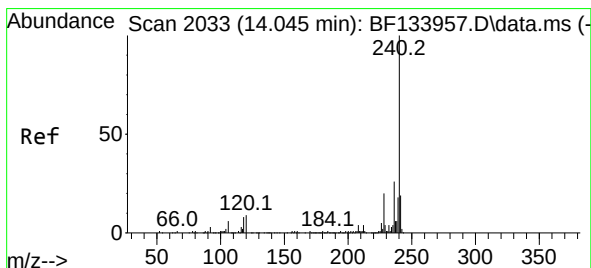
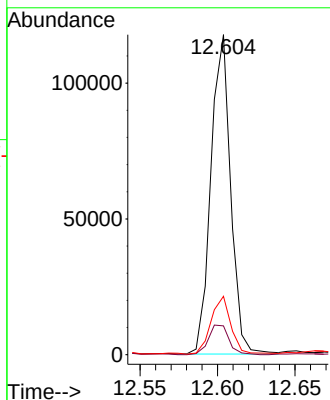
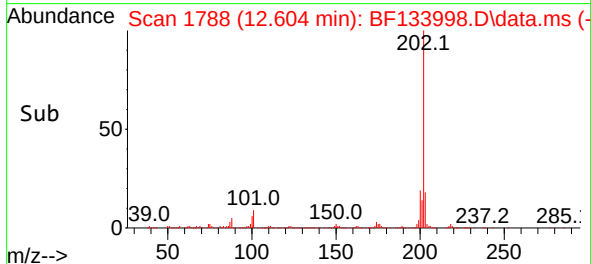
Instrument :
BNA_F
ClientSampleId :
TP1-0623



Tgt Ion:202 Resp: 104292
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.0
203 18.3 0.0 37.6

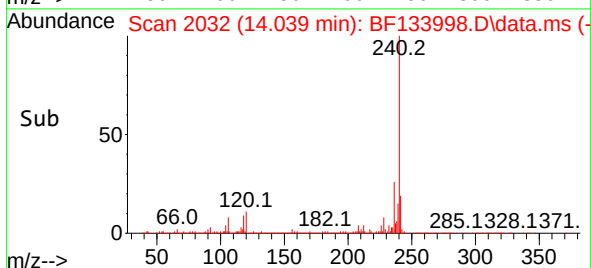
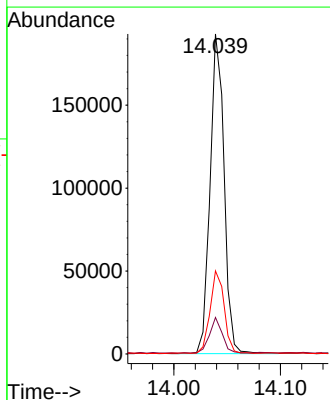
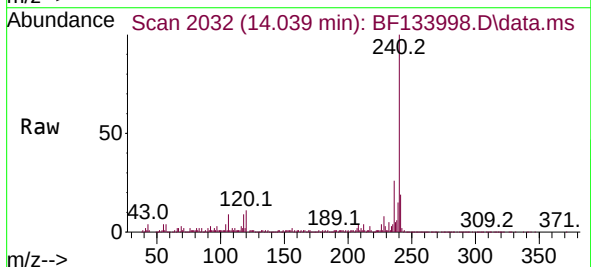
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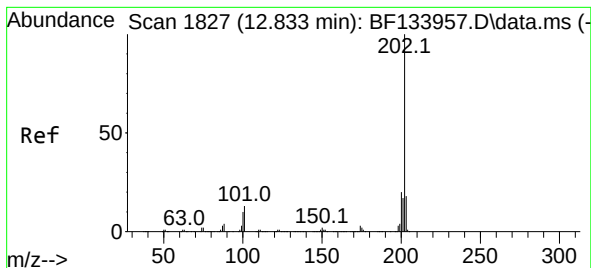
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:240 Resp: 176579
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.0#
236 26.0 21.0 31.6





#78

Pyrene

Concen: 7.110 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

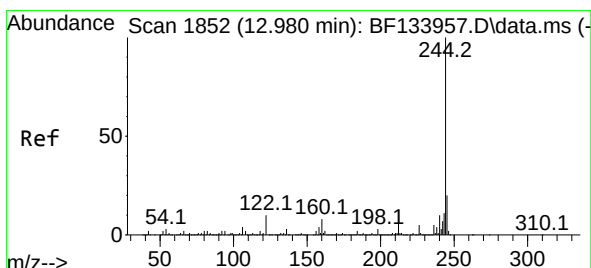
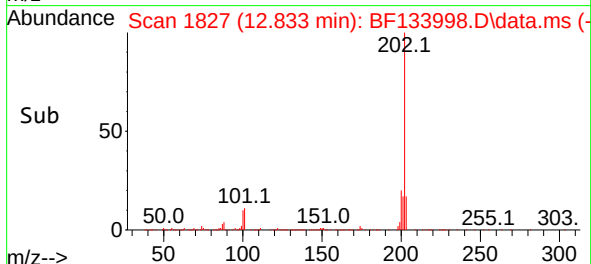
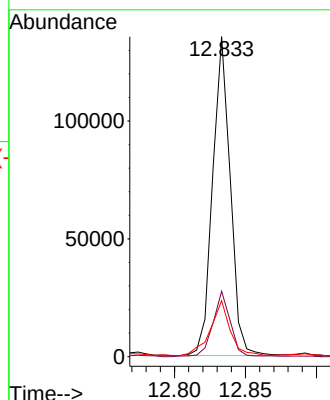
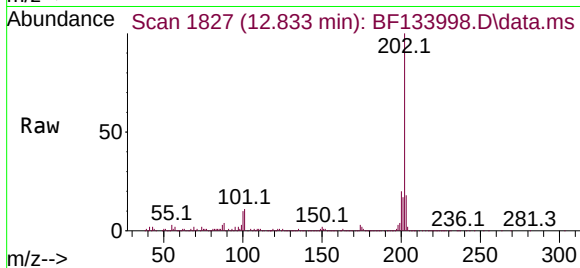
TP1-0623

Tgt Ion:202 Resp: 11684
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.1 24.1
 203 17.5 14.3 21.5

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#79

Terphenyl-d14

Concen: 54.703 ng

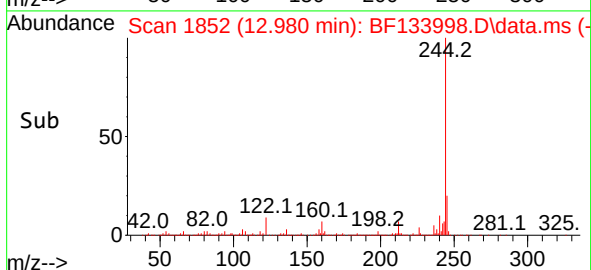
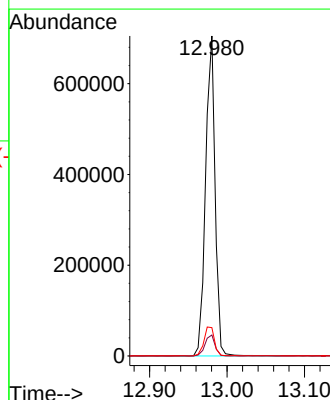
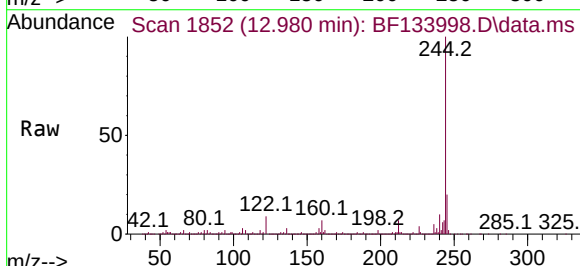
RT: 12.980 min Scan# 1852

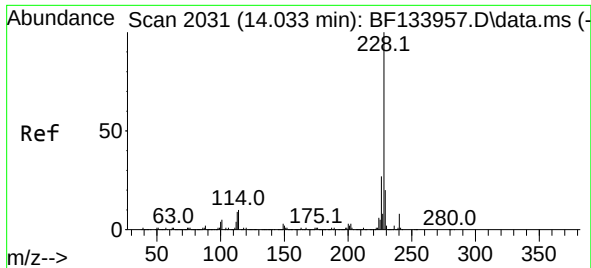
Delta R.T. 0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Tgt Ion:244 Resp: 600184
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 8.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 3.921 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

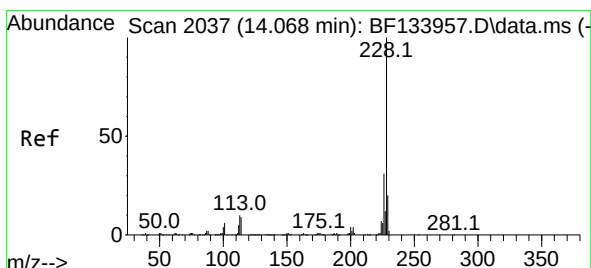
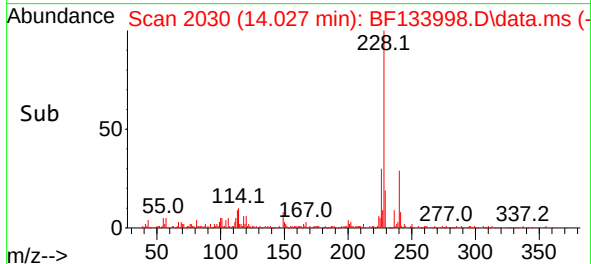
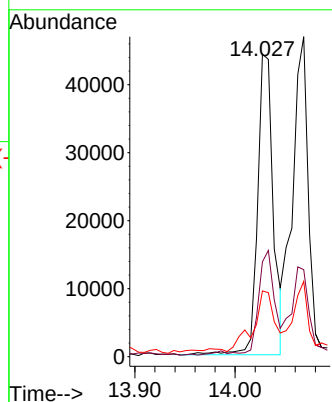
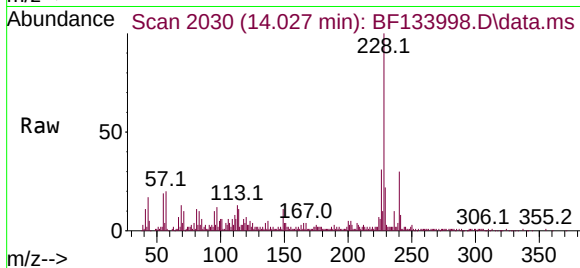
ClientSampleId :

TP1-0623

Tgt Ion:228 Resp: 48018
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 21.7 16.3 24.5

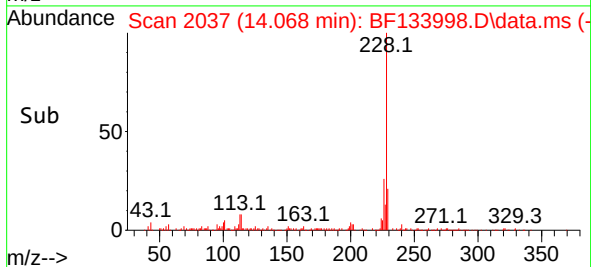
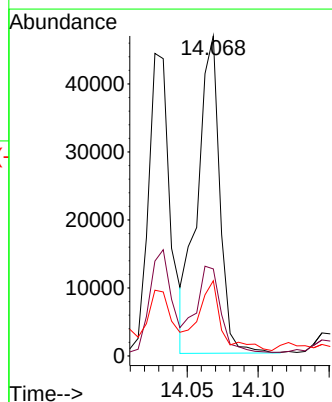
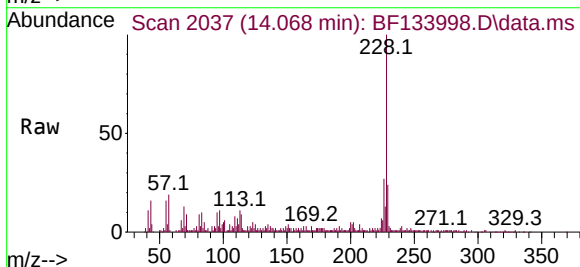
Manual Integrations
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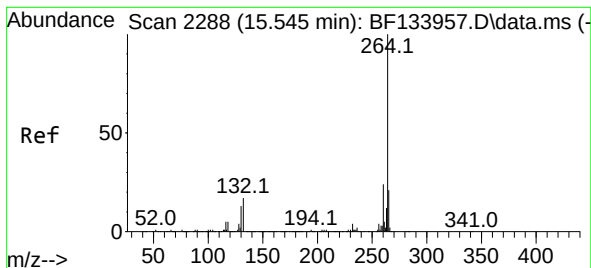
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 4.318 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

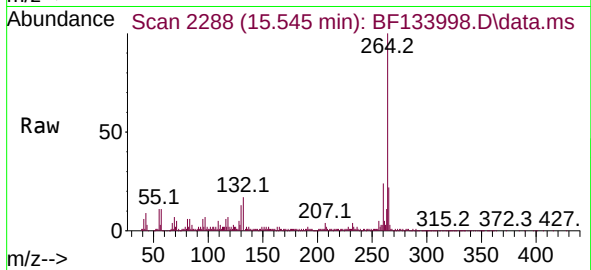
Tgt Ion:228 Resp: 51213
Ion Ratio Lower Upper
228 100
226 27.2 24.4 36.6
229 23.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

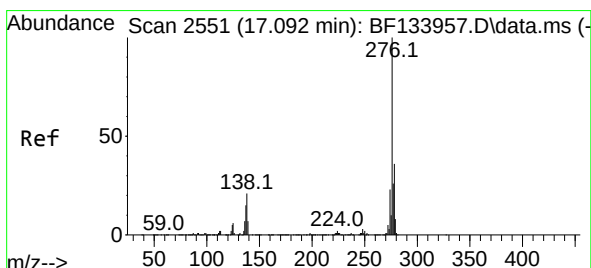
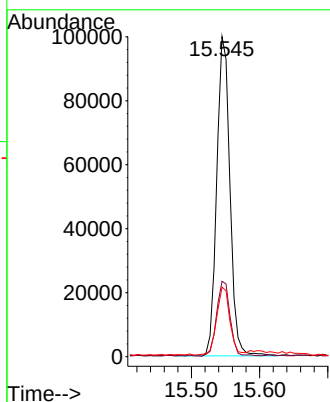
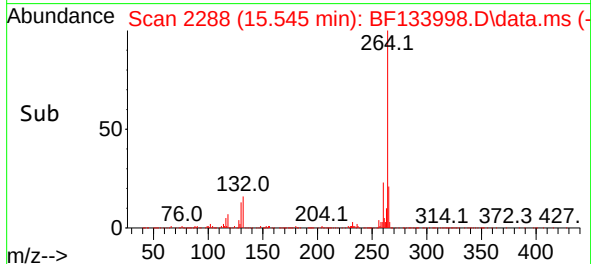
Instrument :
BNA_F
ClientSampleId :
TP1-0623



Tgt Ion:264 Resp: 13431
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.7 16.6 25.0

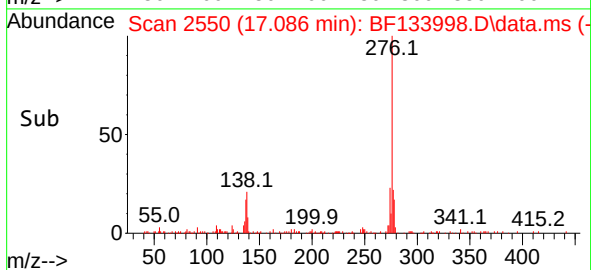
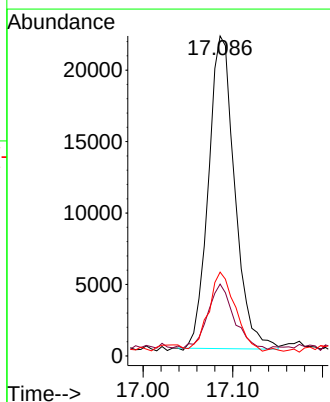
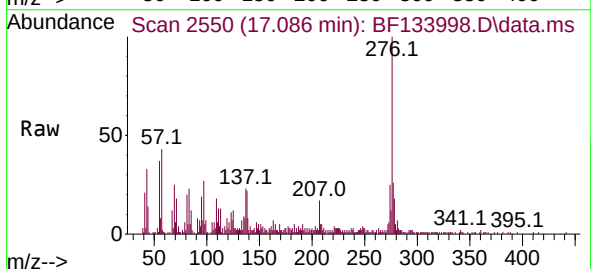
Manual Integrations
APPROVED

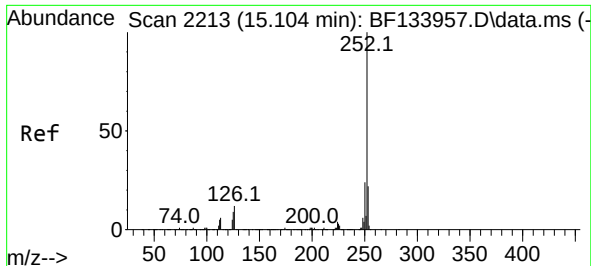
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.777 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

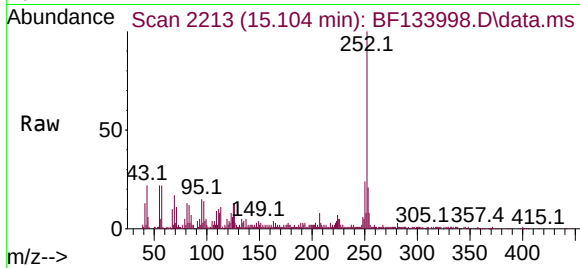
Tgt Ion:276 Resp: 44518
Ion Ratio Lower Upper
276 100
138 21.0 18.7 28.1
277 24.4 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 9.242 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

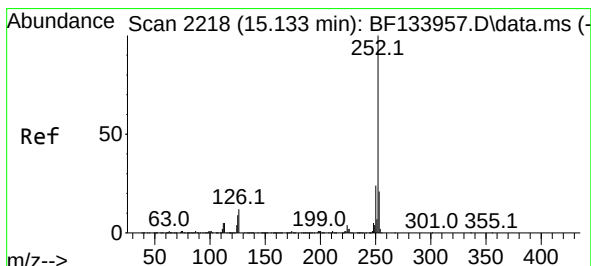
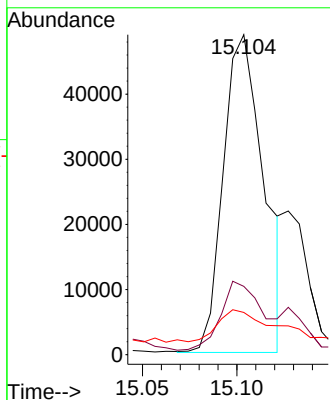
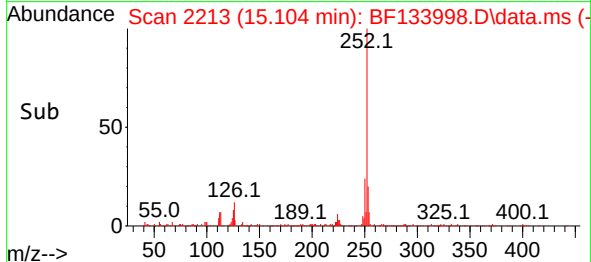
Instrument :
BNA_F
ClientSampleId :
TP1-0623



Tgt Ion:252 Resp: 7299
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 13.2 7.1 10.7

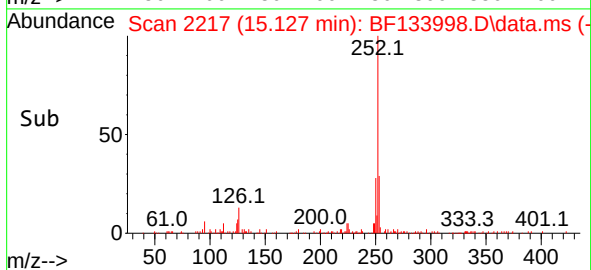
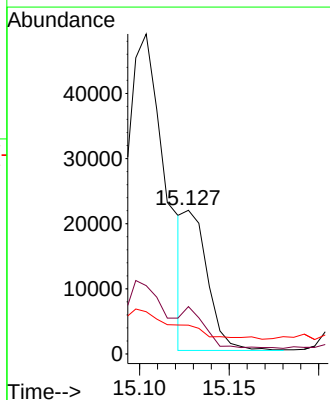
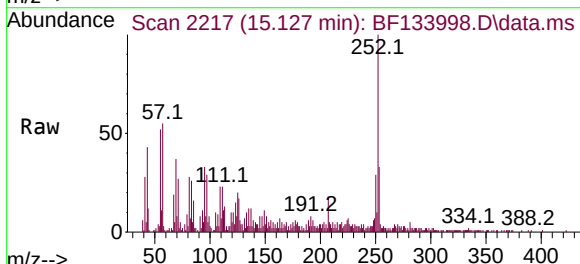
Manual Integrations
APPROVED

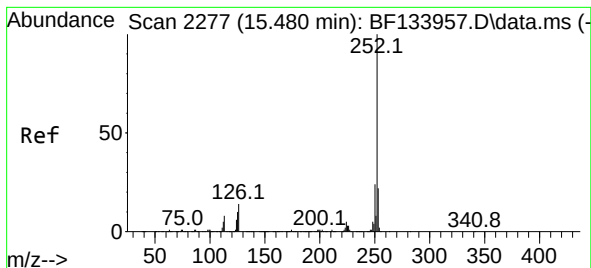
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 2.468 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:252 Resp: 19843
Ion Ratio Lower Upper
252 100
253 33.0 16.9 25.3#
125 20.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.091 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

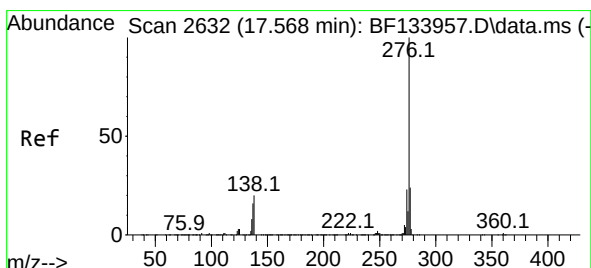
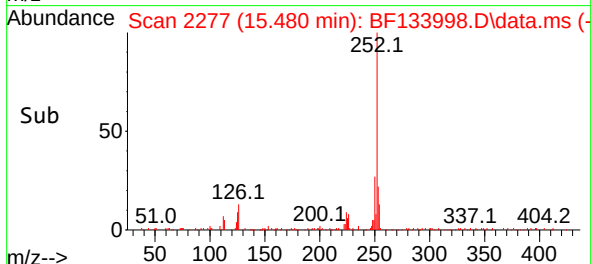
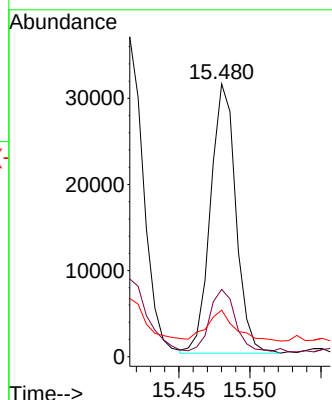
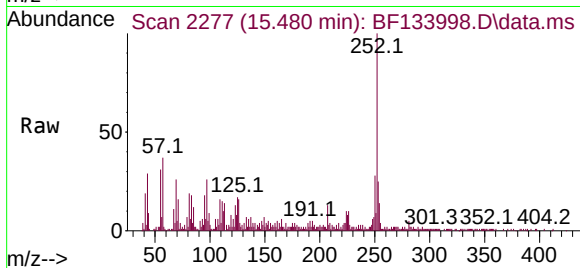
Tgt Ion:	252	Resp:	3888
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.0
125	17.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 5.425 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.018 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Tgt Ion:	276	Resp:	42585
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.0	28.6
138	20.9	16.2	24.2

