

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134408.D
 Acq On : 21 Jul 2023 19:02
 Operator : CG\JU
 Sample : 03640-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 19:36:05 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	55406	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	211256	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	103628	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	190804	20.000	ng	0.00
76) Chrysene-d12	14.033	240	118710	20.000	ng	0.00
86) Perylene-d12	15.539	264	131493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	373373	112.725	ng	0.01
7) Phenol-d6	6.481	99	444164	109.040	ng	0.00
23) Nitrobenzene-d5	7.404	82	303832	77.528	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	155654	119.799	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	586101	82.230	ng	-0.01
79) Terphenyl-d14	12.963	244	531517	72.061	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	65779	6.848	ng	98
75) Fluoranthene	12.592	202	109597	10.554	ng	97
78) Pyrene	12.822	202	82910	7.505	ng	99
81) Benzo(a)anthracene	14.022	228	24748	3.006	ng	94
83) Chrysene	14.057	228	38116	4.780	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	14345	3.013	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	19027	2.085	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	48221m	6.237	ng	
89) Benzo(k)fluoranthene	15.121	252	17161m	2.180	ng	
90) Benzo(a)pyrene	15.468	252	28668	3.834	ng	95
92) Benzo(g,h,i)perylene	17.551	276	17476	2.274	ng	95

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

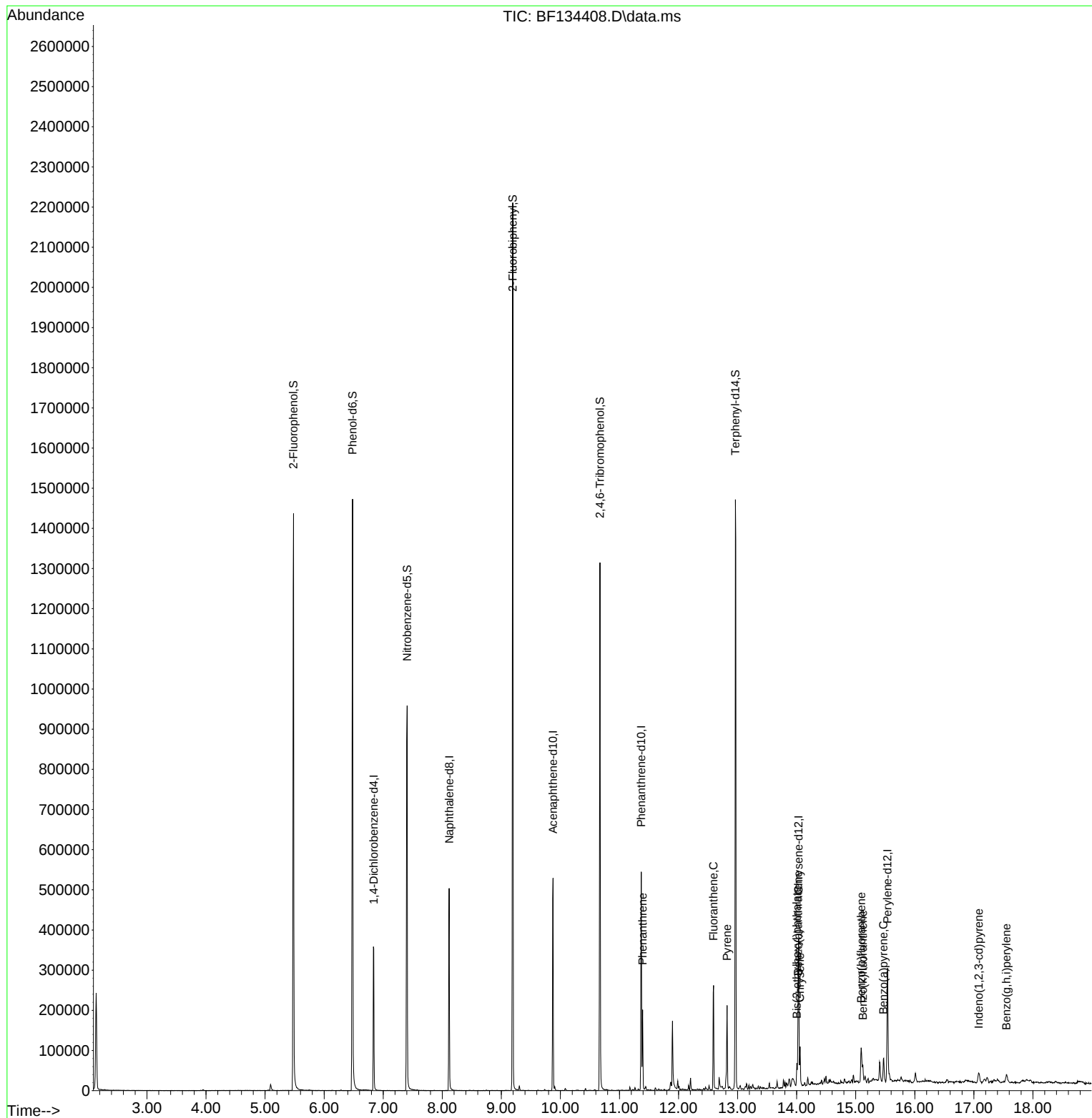
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134408.D
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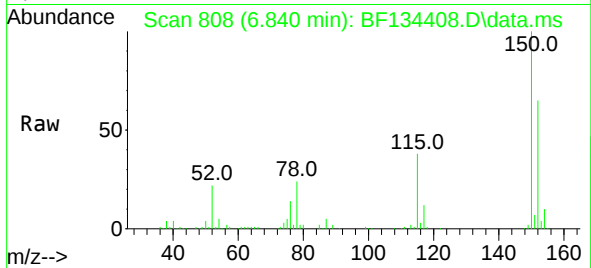
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

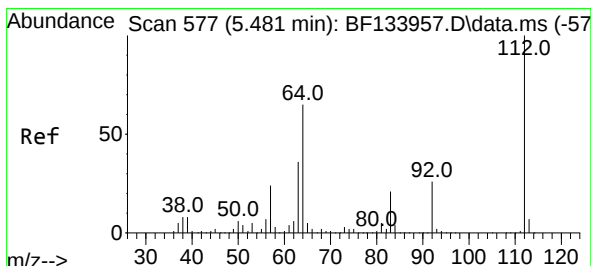
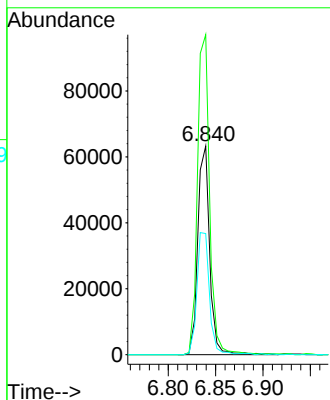
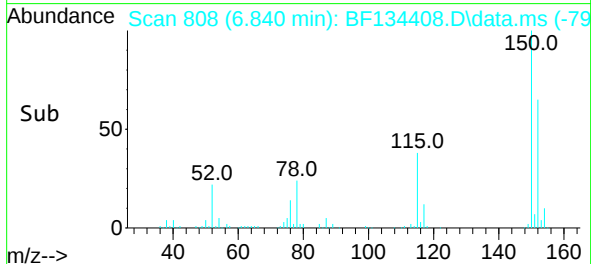
Instrument :
BNA_F
ClientSampleId :
TP9



Tgt Ion:152 Resp: 55400
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 58.0 50.2 75.2

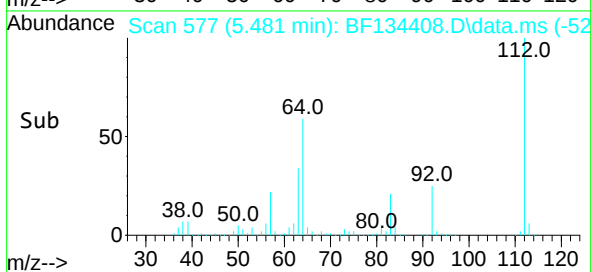
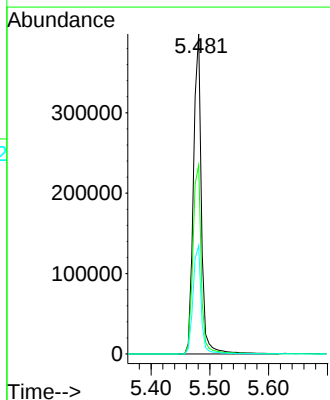
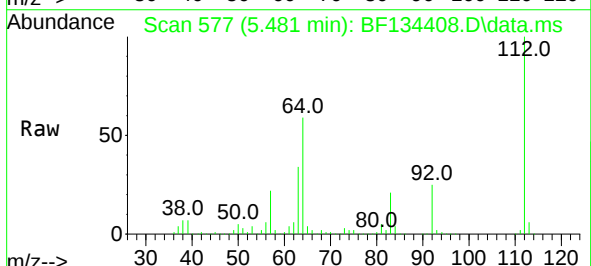
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#5
2-Fluorophenol
Concen: 112.725 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

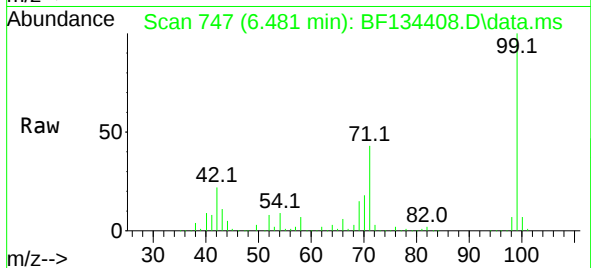
Tgt Ion:112 Resp: 373373
Ion Ratio Lower Upper
112 100
64 59.1 52.1 78.1
63 33.8 28.6 42.8





#7
Phenol-d6
Concen: 109.040 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

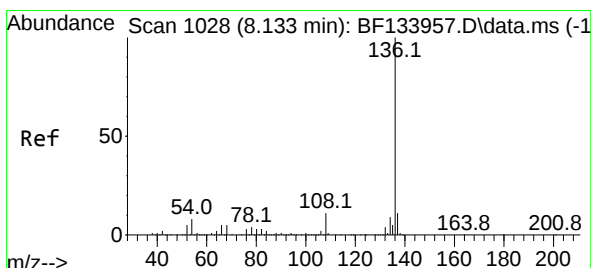
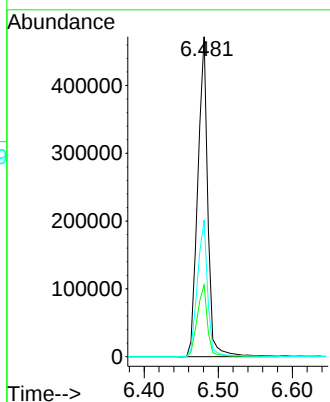
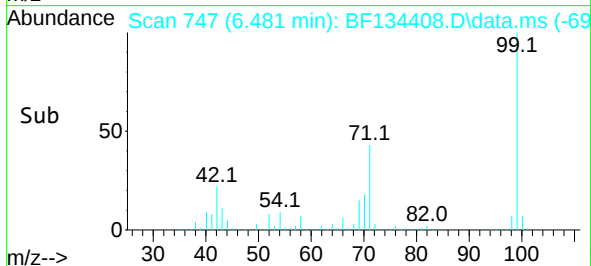
Instrument :
BNA_F
ClientSampleId :
TP9



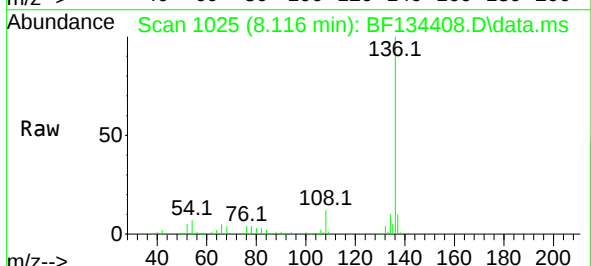
Tgt Ion: 99 Resp: 444164
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.6
71 42.7 31.9 47.9

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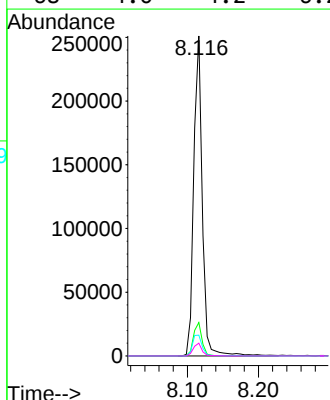
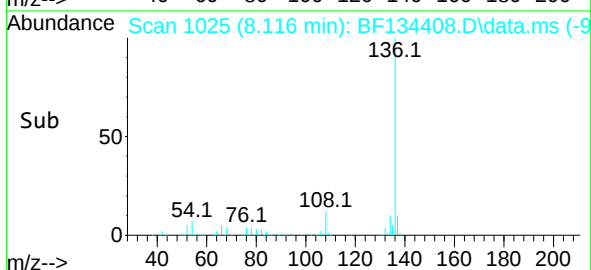
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

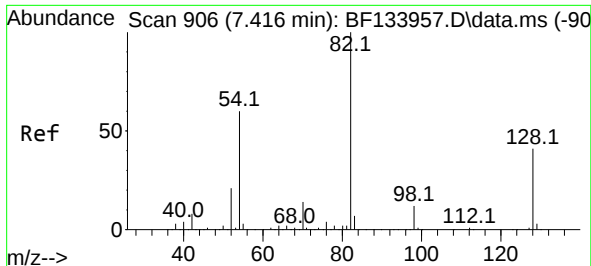


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02



Tgt Ion:136 Resp: 211256
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 6.5 6.5 9.7
68 4.0 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 77.528 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134408.D

Acq: 21 Jul 2023 19:02

Instrument :

BNA_F

ClientSampleId :

TP9

Tgt Ion: 82 Resp: 30383

Ion Ratio Lower Upper

82 100

128 43.9 32.5 48.7

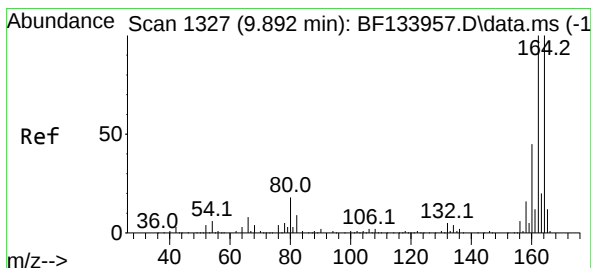
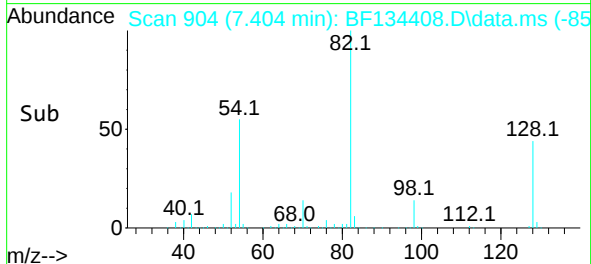
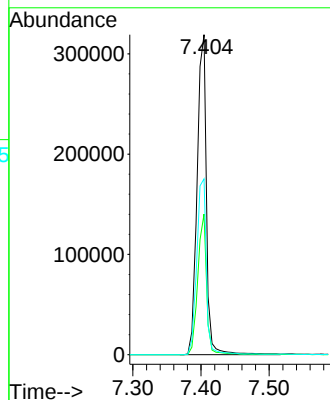
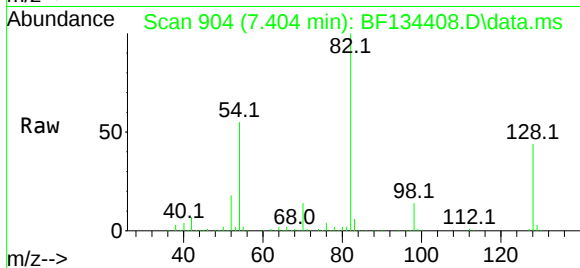
54 54.9 48.2 72.2

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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: BF134408.D

Acq: 21 Jul 2023 19:02

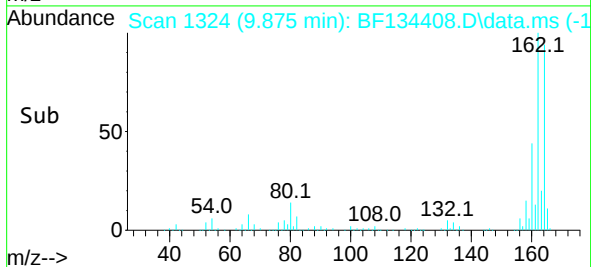
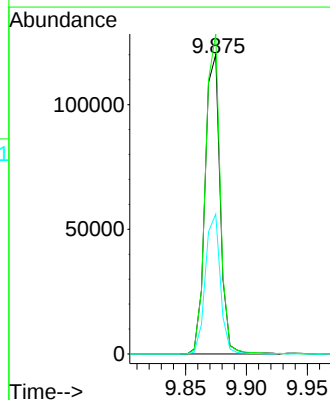
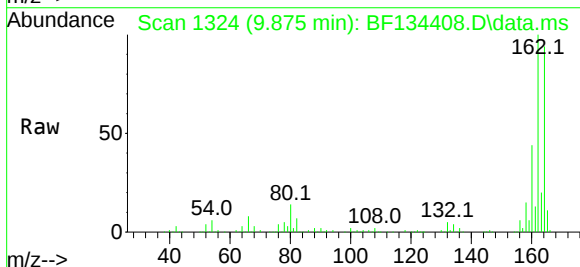
Tgt Ion:164 Resp: 103628

Ion Ratio Lower Upper

164 100

162 106.9 80.0 120.0

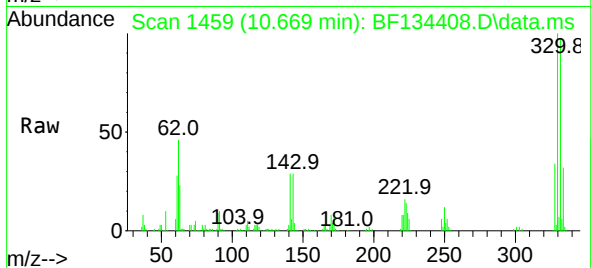
160 46.7 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 119.799 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

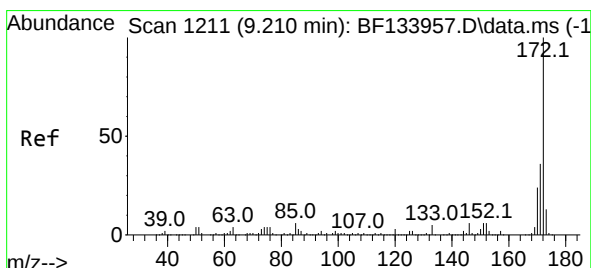
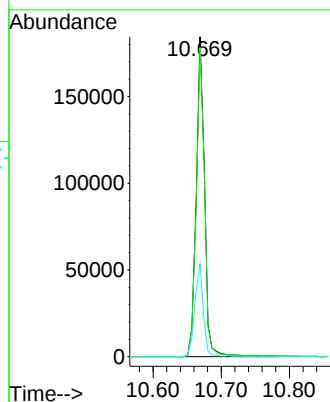
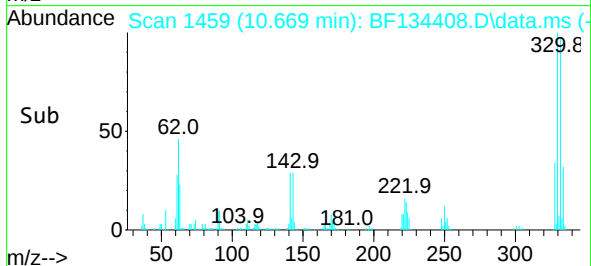
Instrument :
BNA_F
ClientSampleId :
TP9



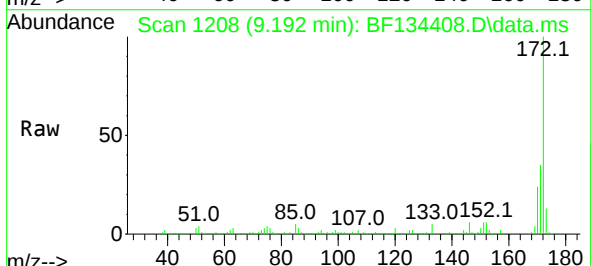
Tgt Ion: 330 Resp: 155654
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 29.9 26.3 39.5

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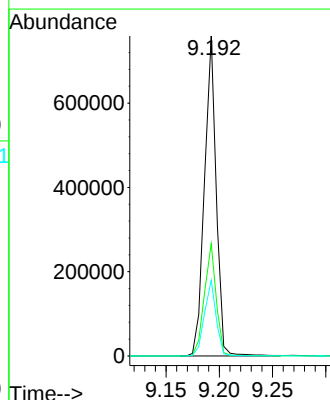
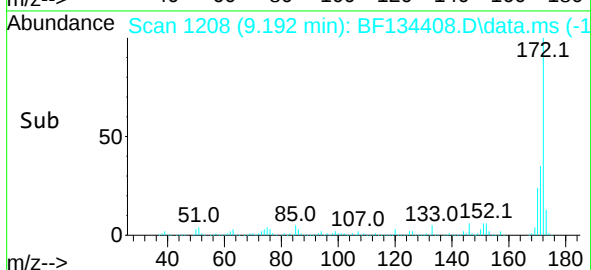
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

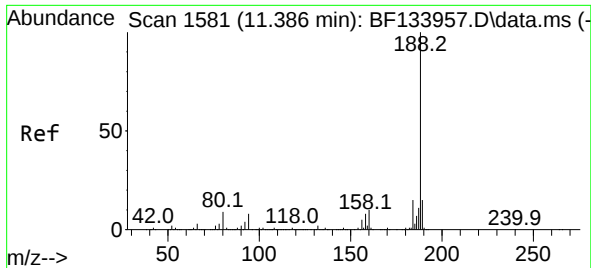


#45
2-Fluorobiphenyl
Concen: 82.230 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02



Tgt Ion: 172 Resp: 586101
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.6 19.4 29.0





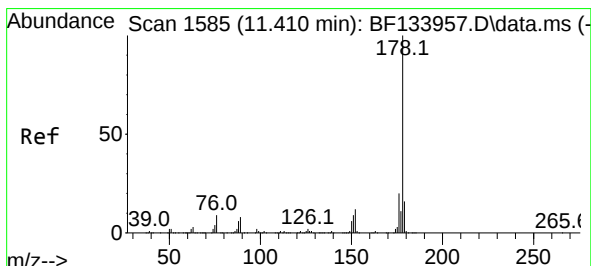
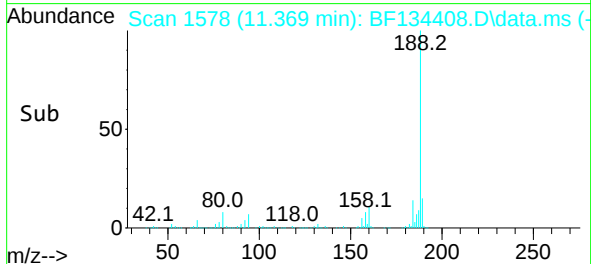
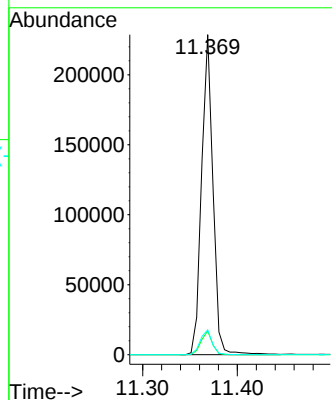
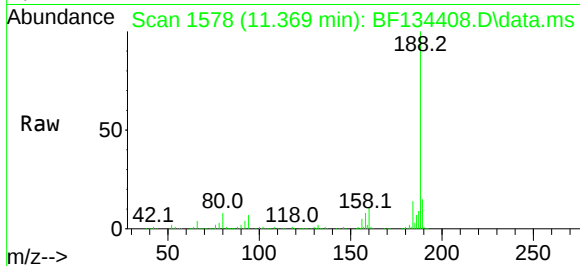
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

Instrument :
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ClientSampleId :
TP9

Tgt Ion:188 Resp: 190804
Ion Ratio Lower Upper
188 100
94 7.4 6.4 9.6
80 7.7 7.3 10.9

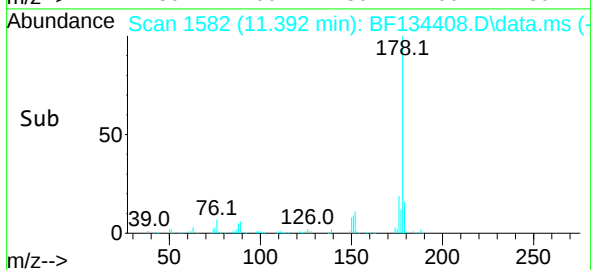
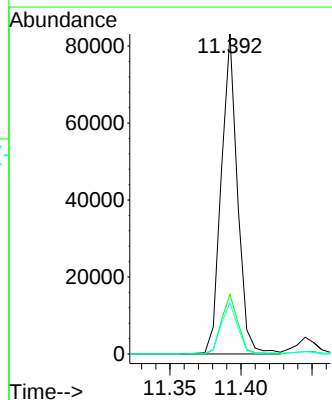
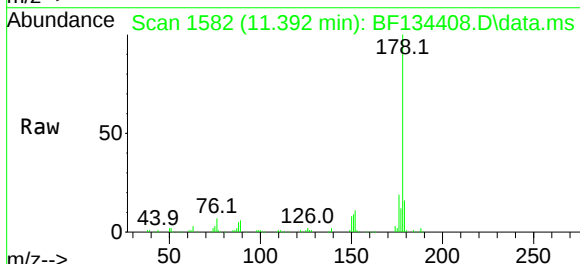
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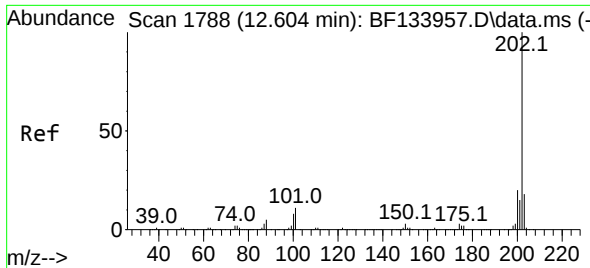
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#71
Phenanthrene
Concen: 6.848 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

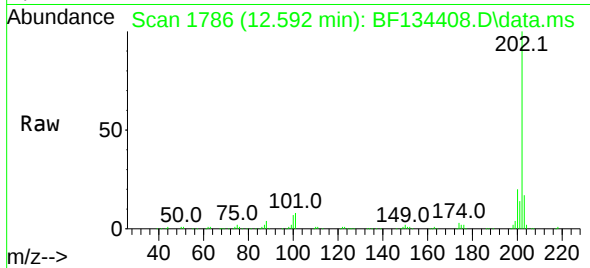
Tgt Ion:178 Resp: 65779
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 10.554 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

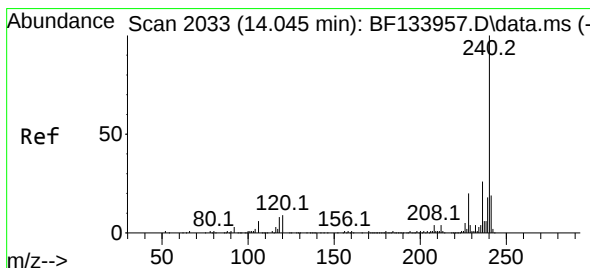
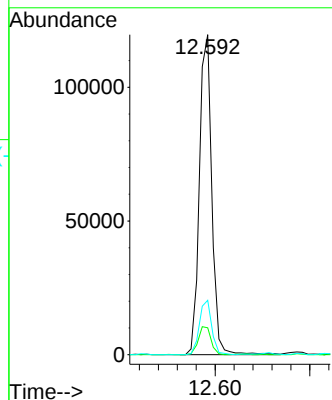
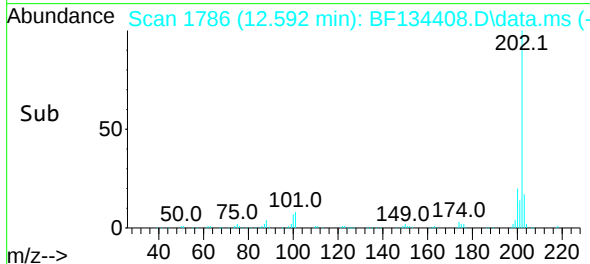
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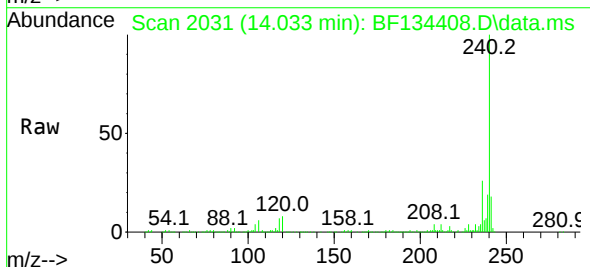
Tgt Ion:202 Resp: 10959
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.0
203 17.0 0.0 37.6

Manual Integrations
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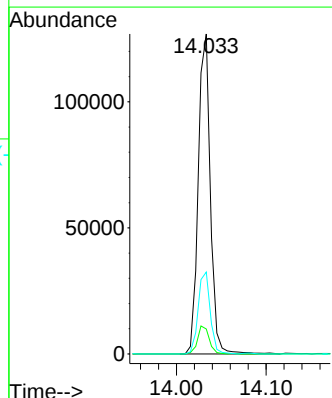
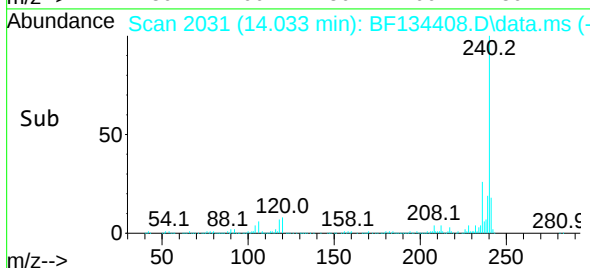
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

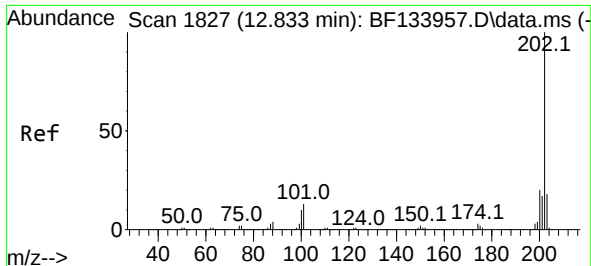


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02



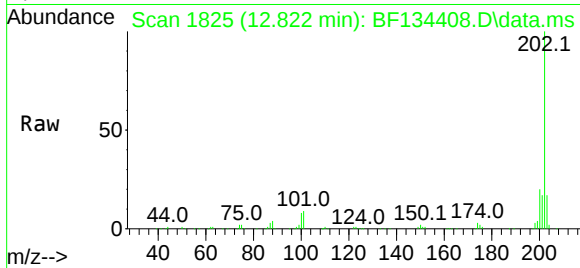
Tgt Ion:240 Resp: 118710
Ion Ratio Lower Upper
240 100
120 7.8 7.4 11.0
236 25.6 21.0 31.6





#78
Pyrene
Concen: 7.505 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

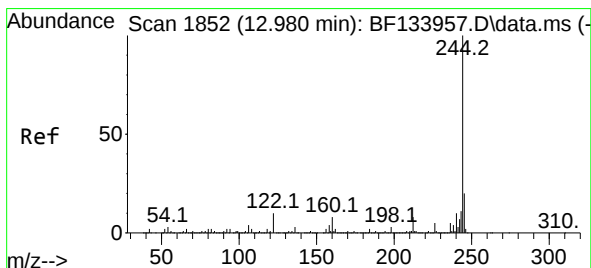
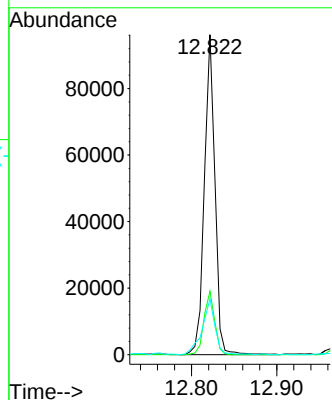
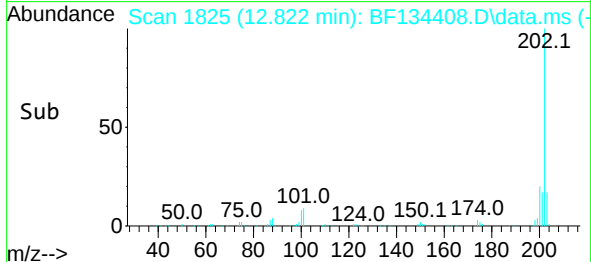
Instrument :
BNA_F
ClientSampleId :
TP9



Tgt Ion:202 Resp: 82910
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.4 14.3 21.5

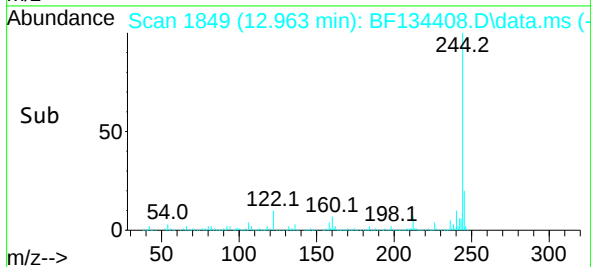
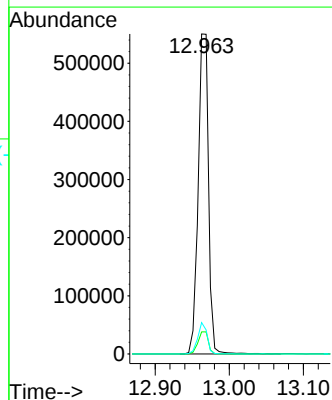
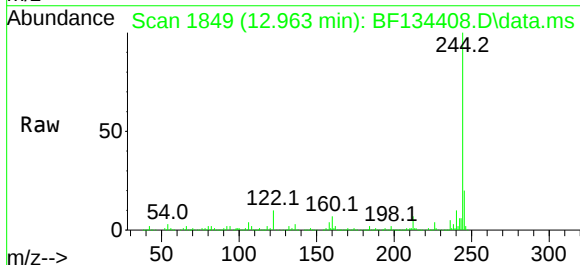
Manual Integrations
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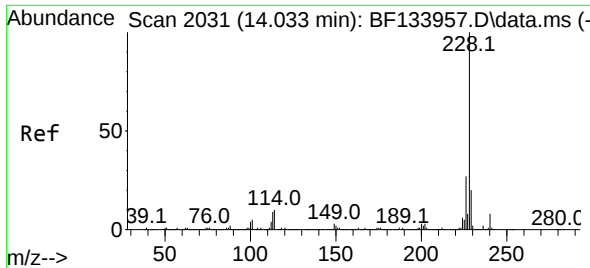
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#79
Terphenyl-d14
Concen: 72.061 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

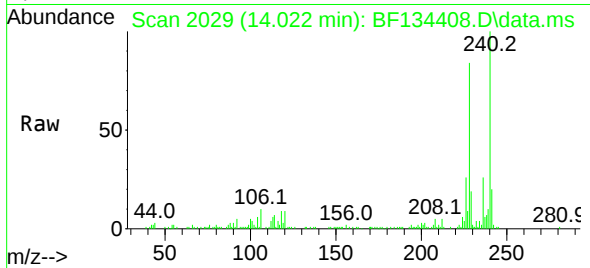
Tgt Ion:244 Resp: 531517
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 3.006 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

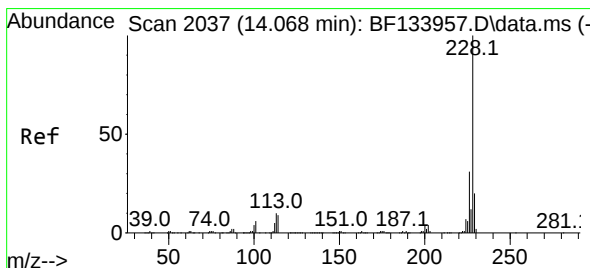
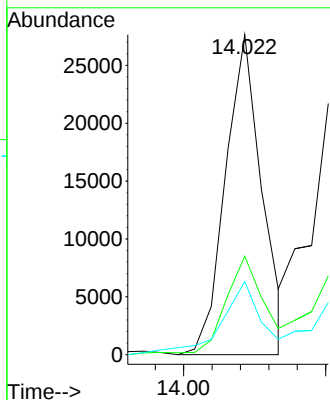
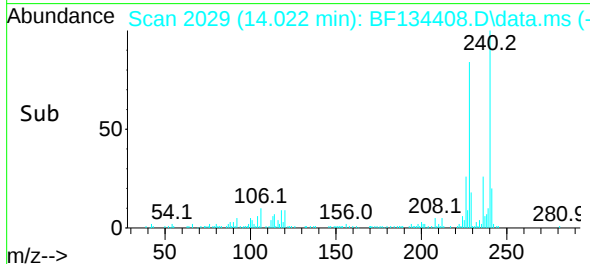
Instrument :
BNA_F
ClientSampleId :
TP9



Tgt Ion:228 Resp: 24748
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 22.9 16.3 24.5

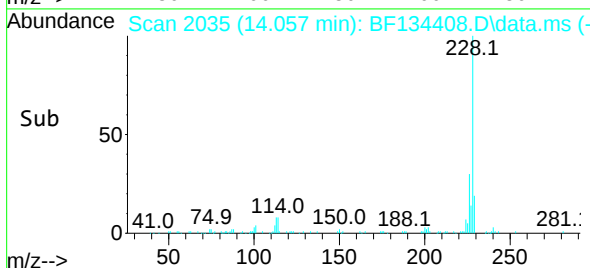
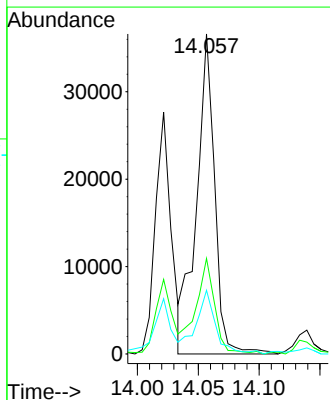
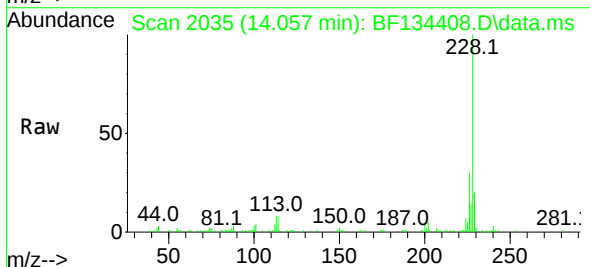
Manual Integrations
APPROVED

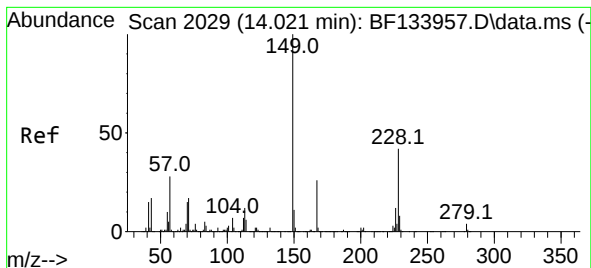
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#83
Chrysene
Concen: 4.780 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

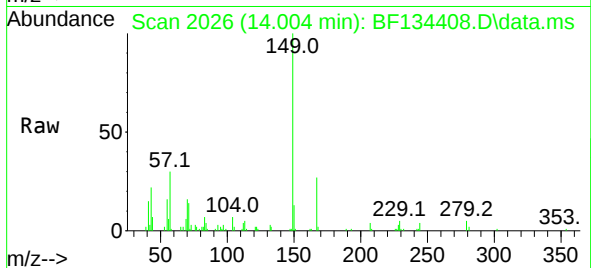
Tgt Ion:228 Resp: 38116
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 19.9 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.013 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

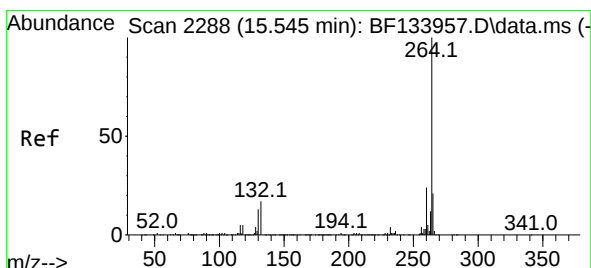
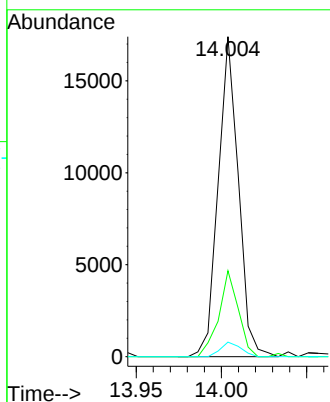
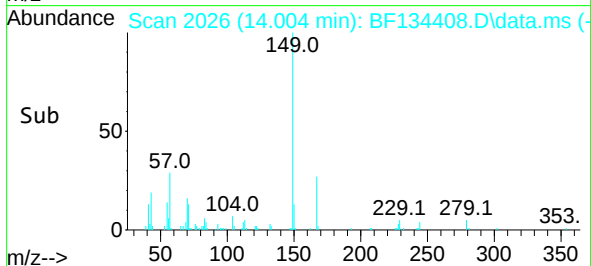
Instrument :
BNA_F
ClientSampleId :
TP9



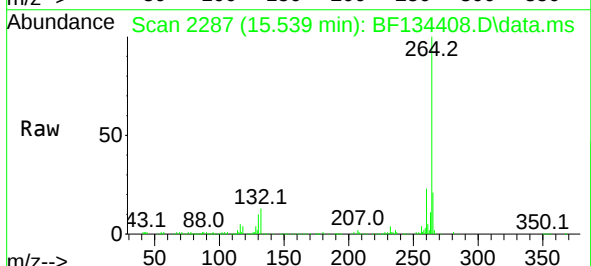
Tgt Ion:149 Resp: 14345
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 4.5 3.3 4.9

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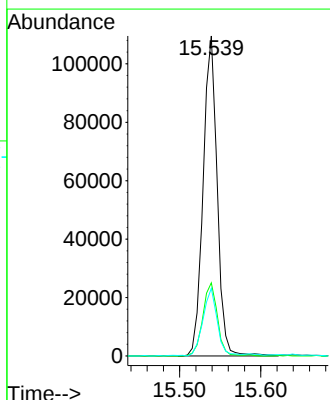
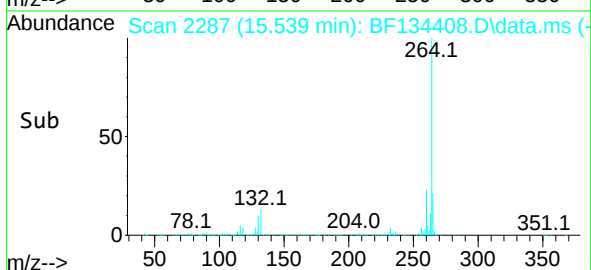
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

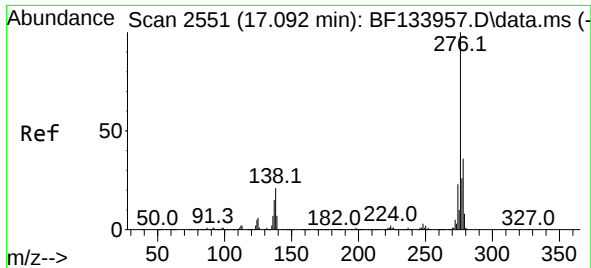


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02



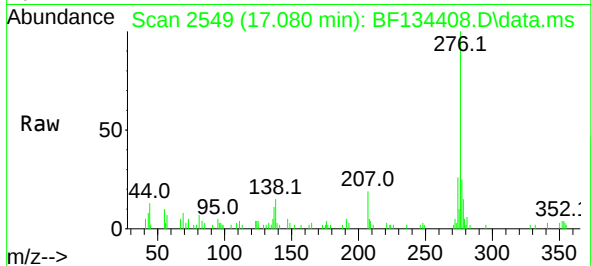
Tgt Ion:264 Resp: 131493
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.1 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.085 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

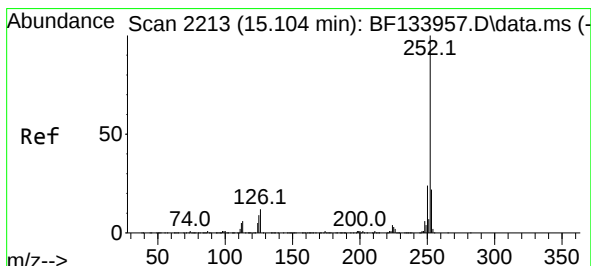
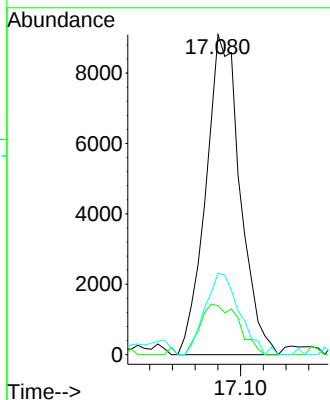
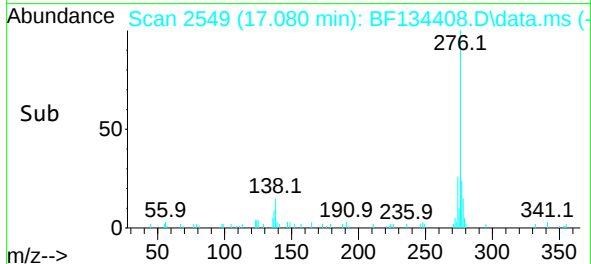
Instrument :
BNA_F
ClientSampleId :
TP9



Tgt Ion:276 Resp: 1902
Ion Ratio Lower Upper
276 100
138 17.8 18.7 28.1
277 25.6 19.9 29.9

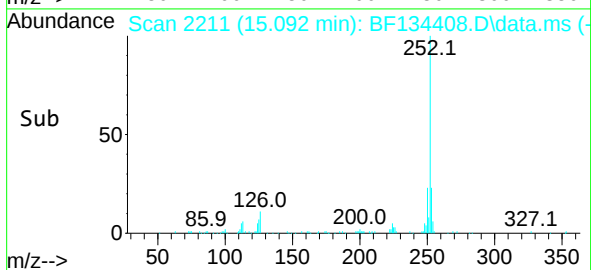
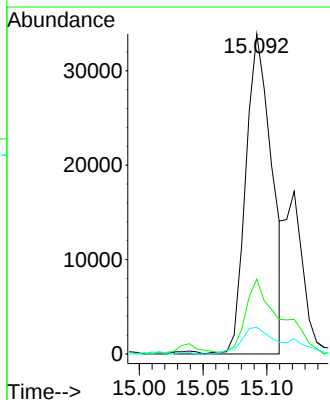
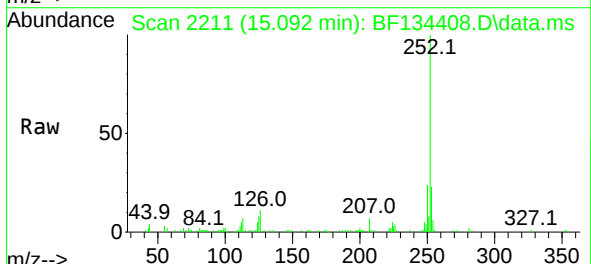
Manual Integrations
APPROVED

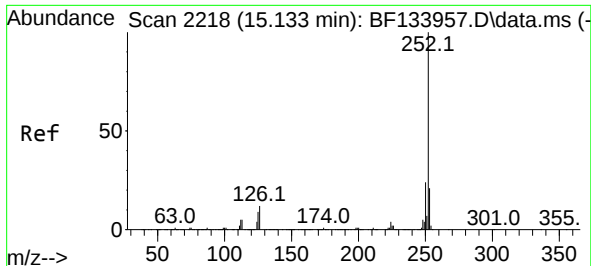
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#88
Benzo(b)fluoranthene
Concen: 6.237 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

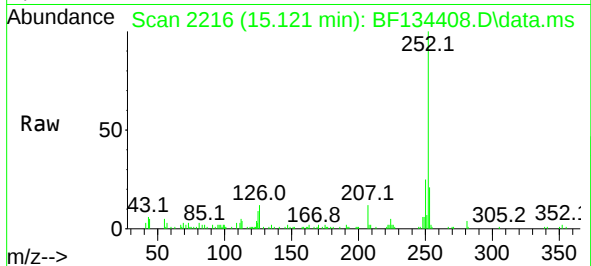
Tgt Ion:252 Resp: 48221
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.3 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 2.180 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

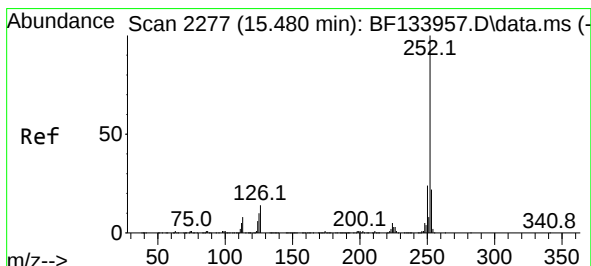
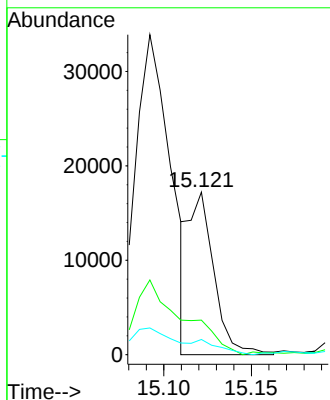
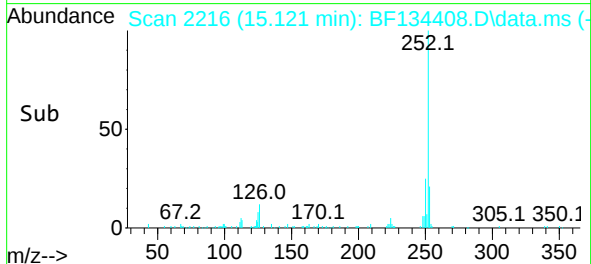
Instrument :
BNA_F
ClientSampleId :
TP9



Tgt Ion:252 Resp: 1716
Ion Ratio Lower Upper
252 100
253 21.2 16.9 25.3
125 9.4 7.4 11.2

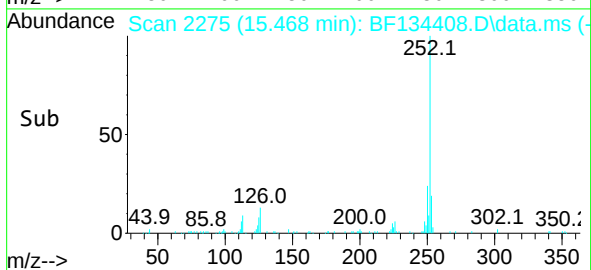
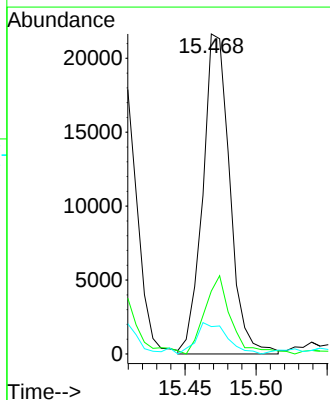
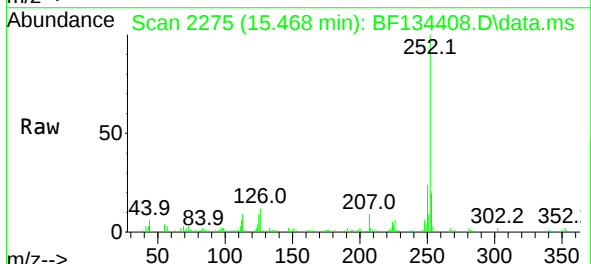
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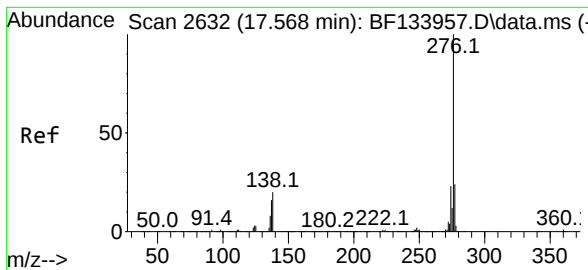
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#90
Benzo(a)pyrene
Concen: 3.834 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF134408.D
Acq: 21 Jul 2023 19:02

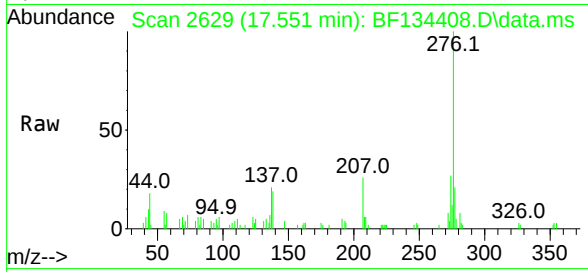
Tgt Ion:252 Resp: 28668
Ion Ratio Lower Upper
252 100
253 19.7 17.4 26.0
125 8.5 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.274 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF134408.D
 Acq: 21 Jul 2023 19:02

Instrument :
 BNA_F
 ClientSampleId :
 TP9



Tgt Ion: 276 Resp: 17476

Ion	Ratio	Lower	Upper
276	100		
277	20.7	19.0	28.6
138	18.6	16.2	24.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

