

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134338.D
 Acq On : 18 Jul 2023 15:09
 Operator : CG\JU
 Sample : 03617-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 15:36:13 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	6.839	152	78438	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	356468	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	142532	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	266066	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165769	20.000	ng	0.00
86) Perylene-d12	15.545	264	172397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	617337	131.653	ng	0.01
7) Phenol-d6	6.481	99	753854	130.726	ng	0.00
23) Nitrobenzene-d5	7.404	82	512730	77.535	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	214783	120.187	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	824213	84.074	ng	-0.01
79) Terphenyl-d14	12.968	244	812415	78.876	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	226617	16.919	ng	99
72) Anthracene	11.445	178	52121	3.741	ng	98
75) Fluoranthene	12.592	202	531812	36.726	ng	98
78) Pyrene	12.827	202	463524	30.046	ng	99
81) Benzo(a)anthracene	14.021	228	246572	21.448	ng	100
83) Chrysene	14.062	228	231341	20.776	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	14655	2.204	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.086	276	114792	9.596	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	286635m	28.276	ng	
89) Benzo(k)fluoranthene	15.121	252	98732m	9.566	ng	
90) Benzo(a)pyrene	15.480	252	194706m	19.863	ng	
92) Benzo(g,h,i)perylene	17.562	276	107714	10.690	ng	97

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

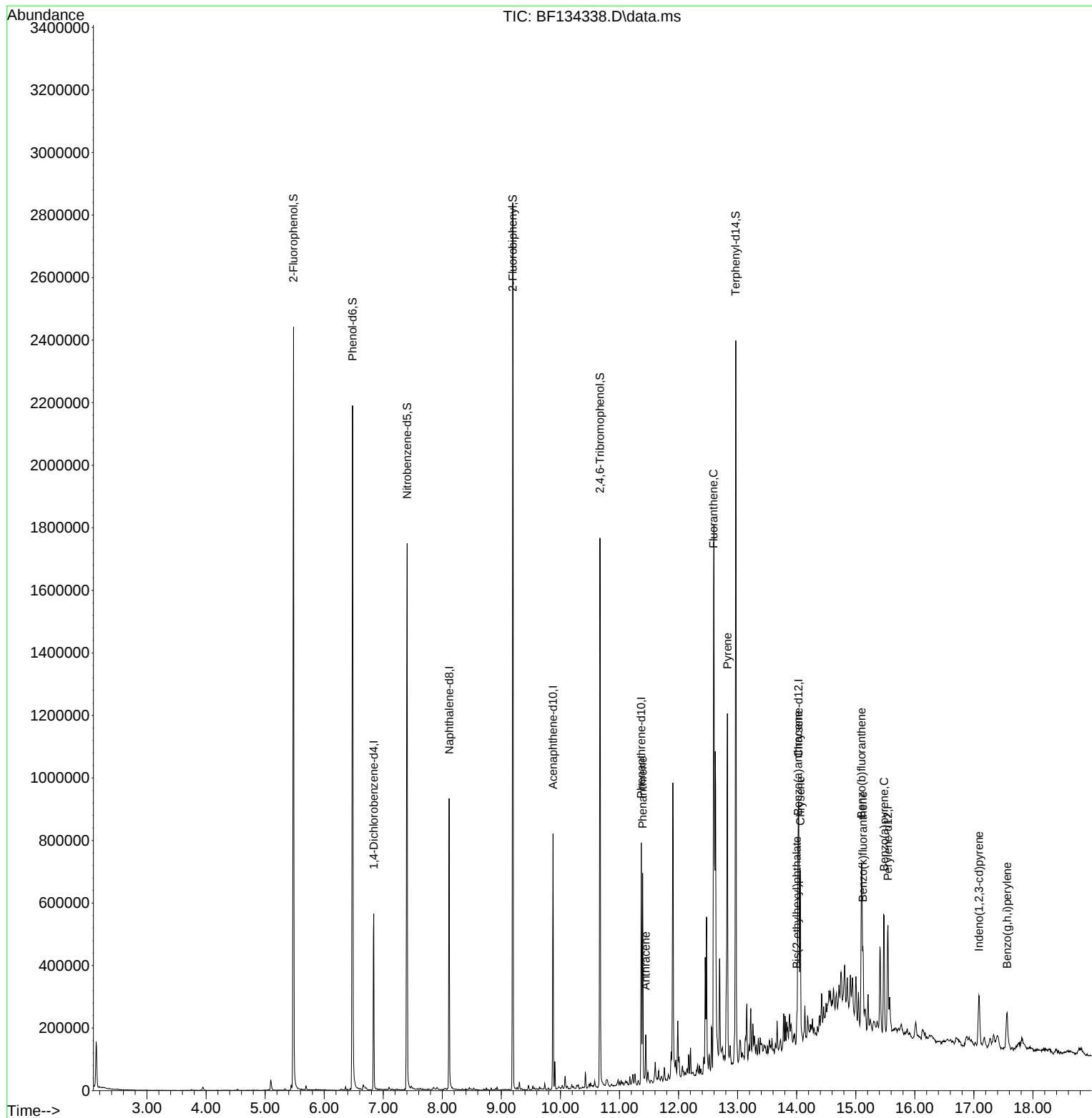
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134338.D
Acq On : 18 Jul 2023 15:09
Operator : CG\JU
Sample : 03617-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

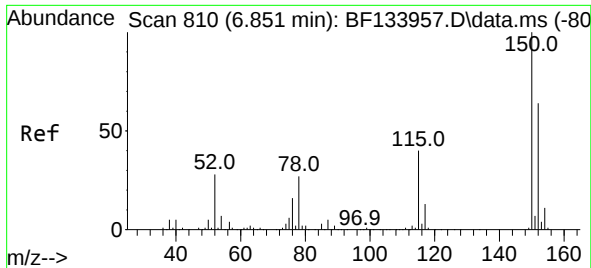
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Quant Time: Jul 18 15:36:13 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

Manual Integrations
APPROVED

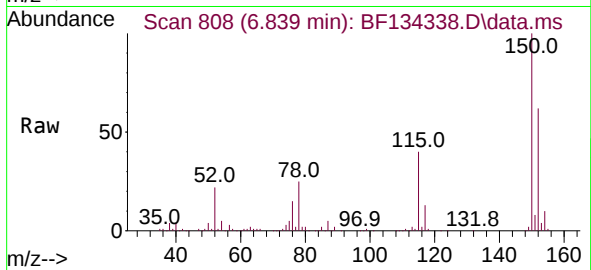
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

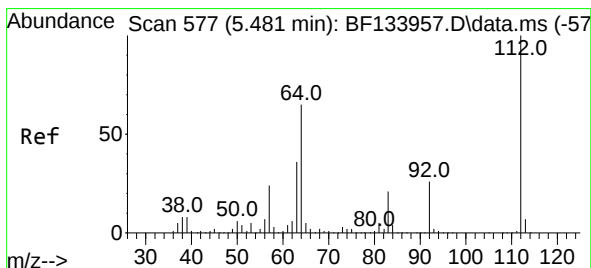
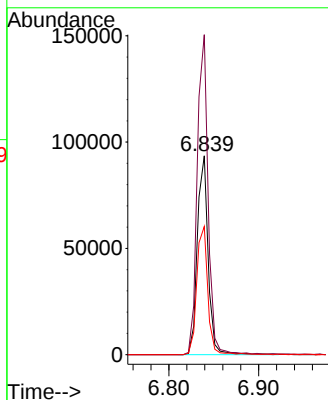
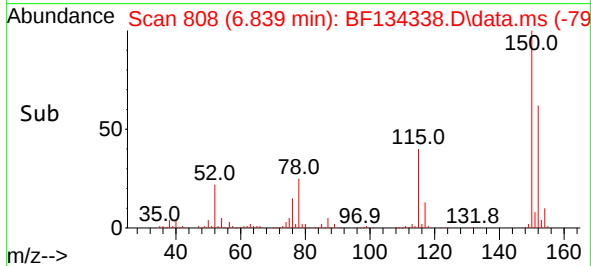
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:152 Resp: 78438
Ion Ratio Lower Upper
152 100
150 160.9 124.5 186.7
115 64.4 50.2 75.2

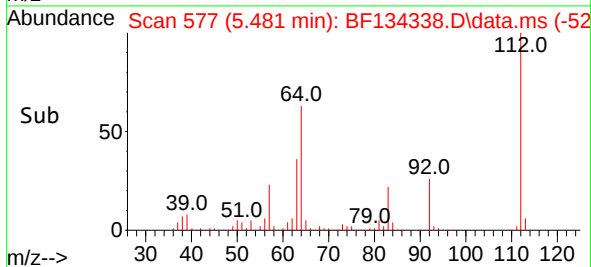
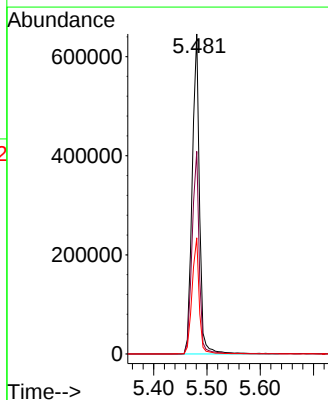
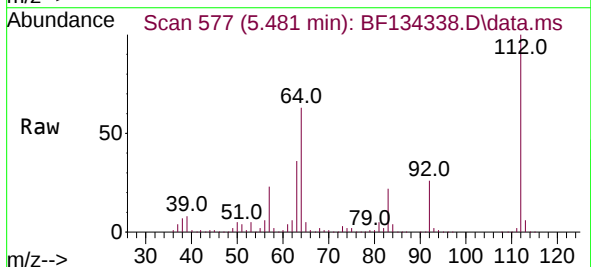
Manual Integrations
APPROVED

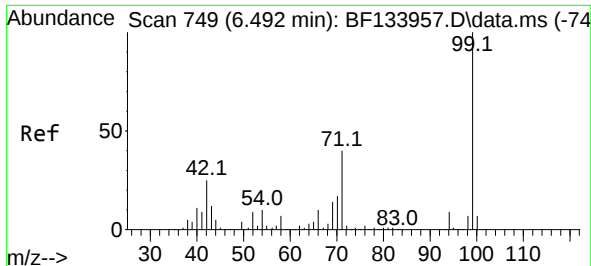
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 131.653 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

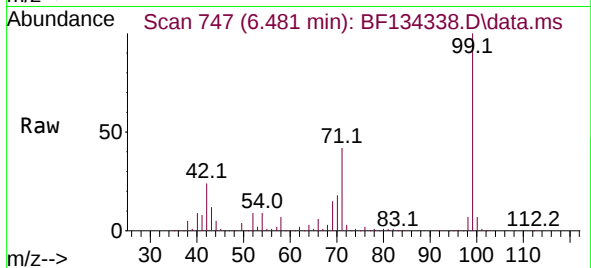
Tgt Ion:112 Resp: 617337
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 36.3 28.6 42.8





#7
Phenol-d6
Concen: 130.726 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

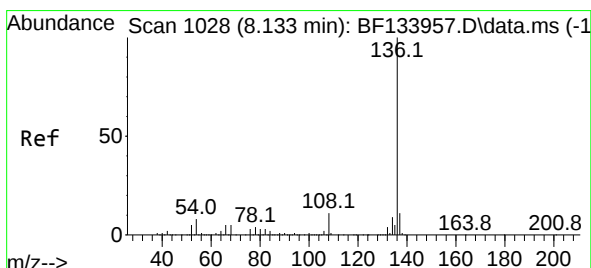
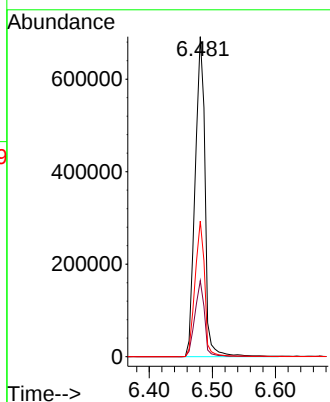
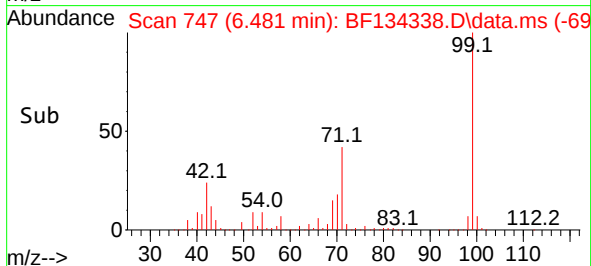
Instrument :
BNA_F
ClientSampleId :
VNJ-214



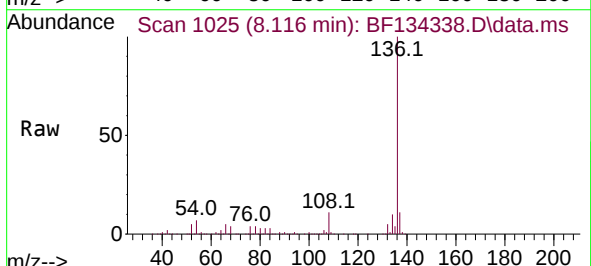
Tgt Ion: 99 Resp: 753854
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 42.3 31.9 47.9

Manual Integrations
APPROVED

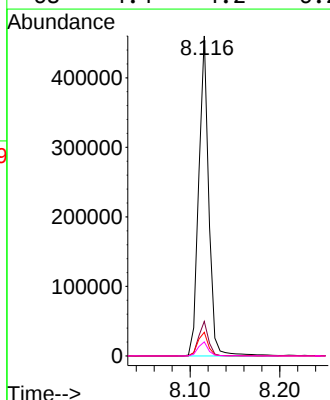
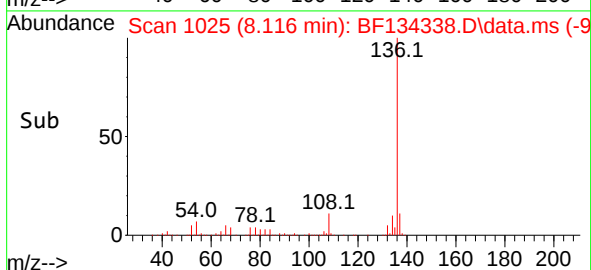
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

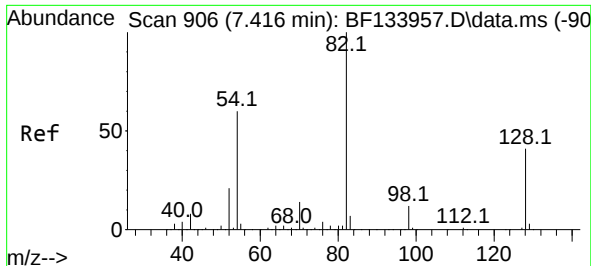


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09



Tgt Ion:136 Resp: 356468
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.4 6.5 9.7
68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 77.535 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

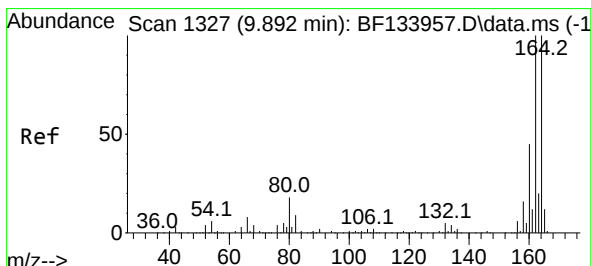
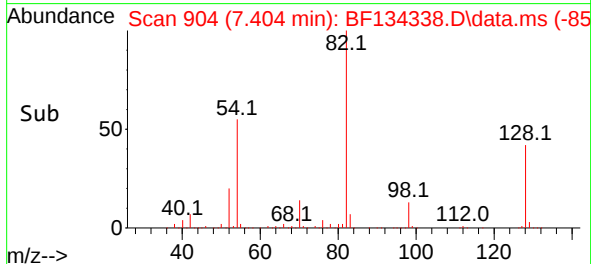
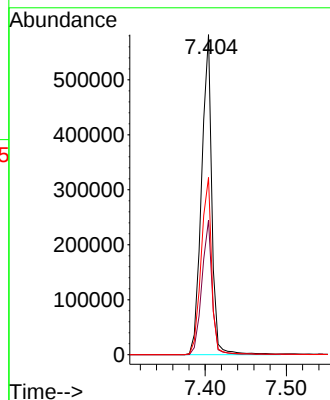
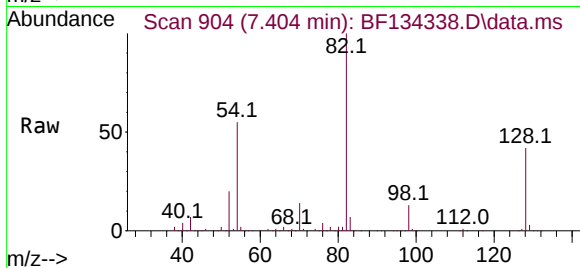
VNJ-214

Tgt Ion: 82 Resp: 512730
 Ion Ratio Lower Upper
 82 100
 128 42.1 32.5 48.7
 54 55.4 48.2 72.2

Manual Integrations

APPROVED

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



#39

Acenaphthene-d10

Concen: 20.000 ng

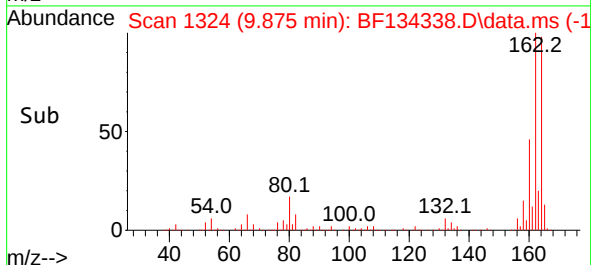
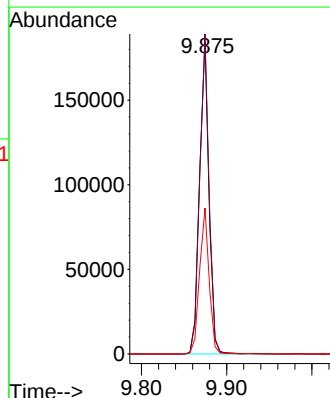
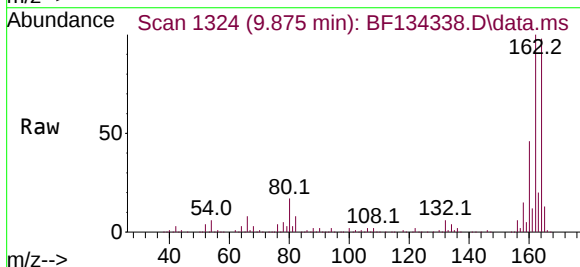
RT: 9.875 min Scan# 1324

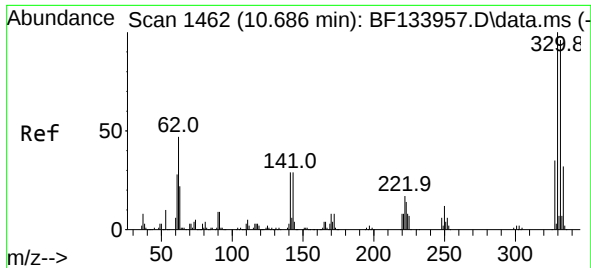
Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

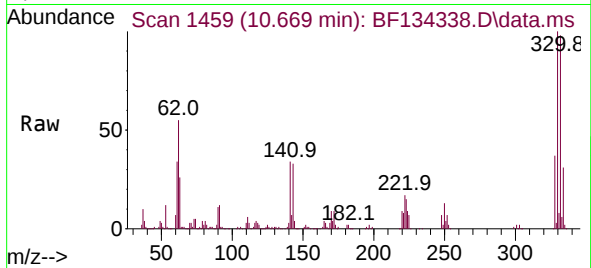
Tgt Ion:164 Resp: 142532
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.0 120.0
 160 46.7 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 120.187 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

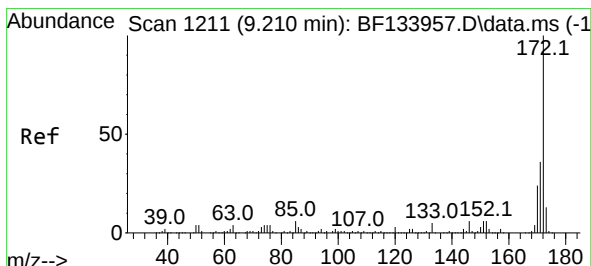
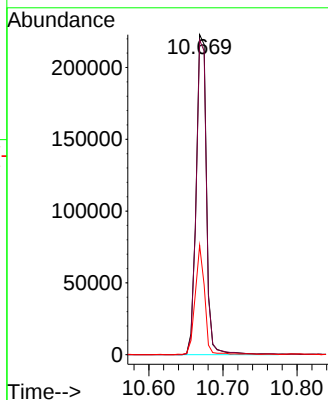
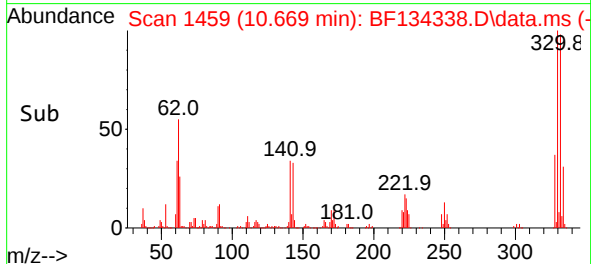
Instrument :
BNA_F
ClientSampleId :
VNJ-214



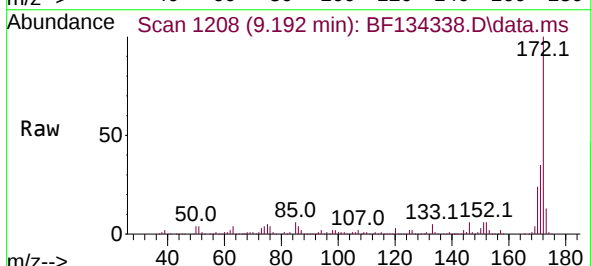
Tgt Ion:330 Resp: 21478
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 31.5 26.3 39.5

Manual Integrations
APPROVED

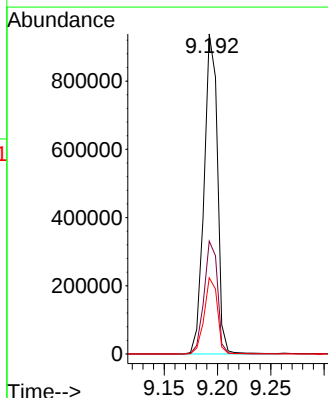
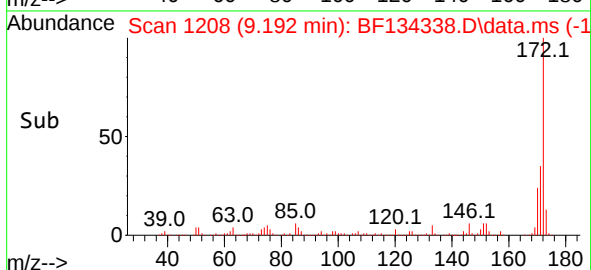
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

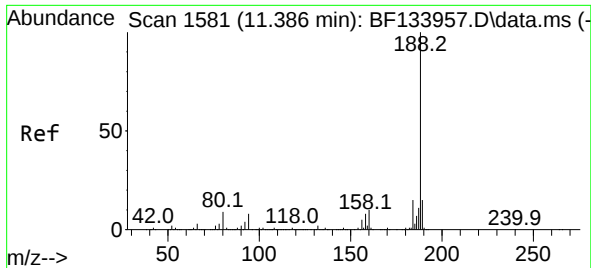


#45
2-Fluorobiphenyl
Concen: 84.074 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09



Tgt Ion:172 Resp: 824213
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.8 19.4 29.0





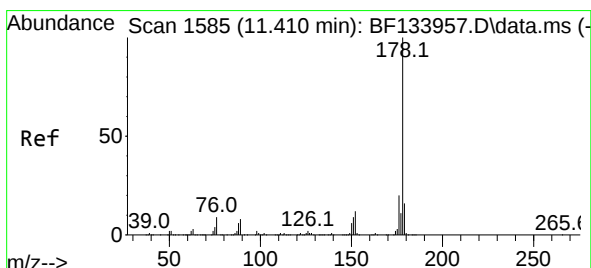
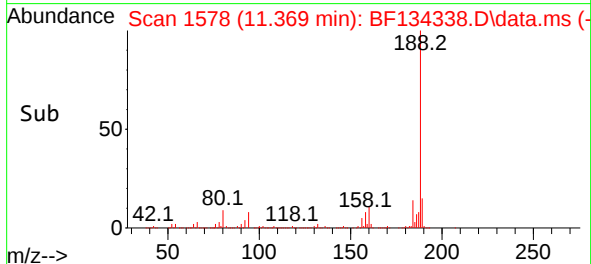
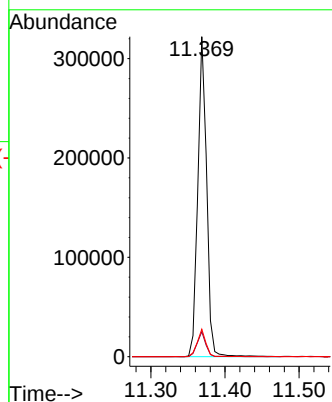
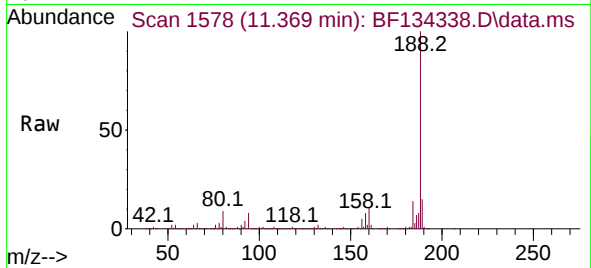
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11369
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:188 Resp: 266060
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.6 7.3 10.9

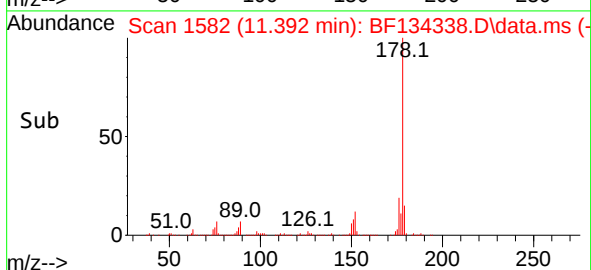
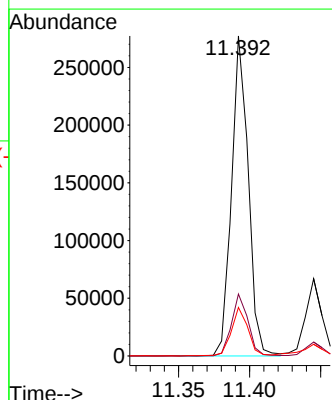
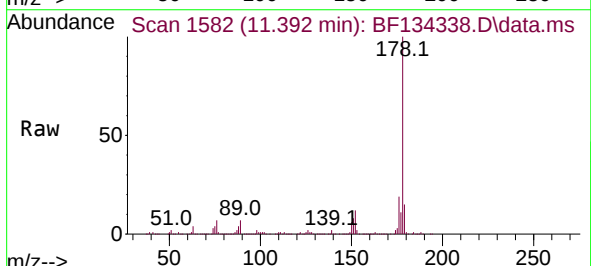
Manual Integrations
APPROVED

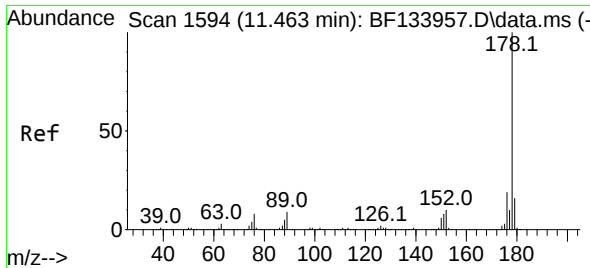
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 16.919 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

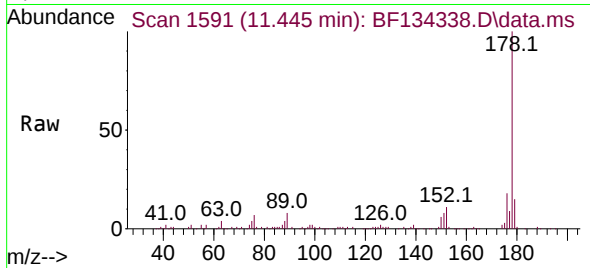
Tgt Ion:178 Resp: 226617
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 3.741 ng
 RT: 11.445 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF134338.D
 Acq: 18 Jul 2023 15:09

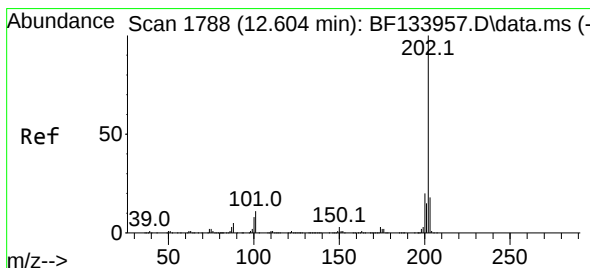
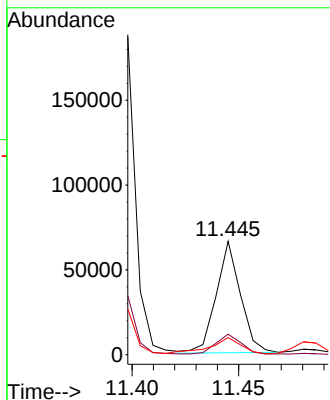
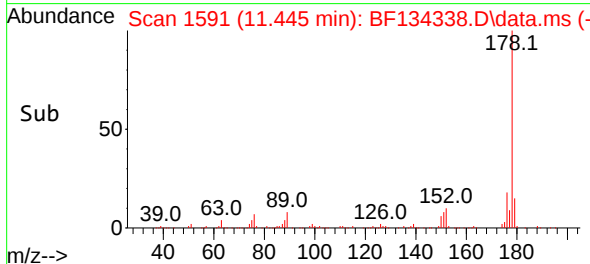
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



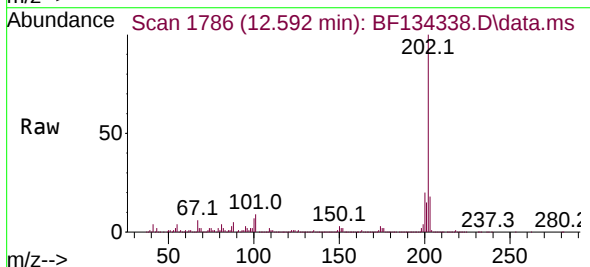
Tgt Ion:178 Resp: 5212
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 15.1 12.4 18.6

Manual Integrations
 APPROVED

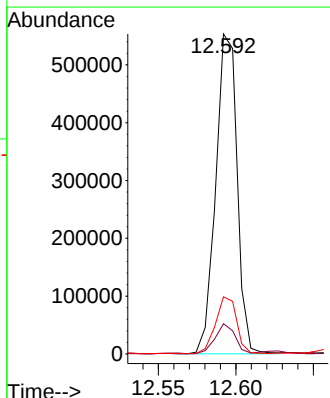
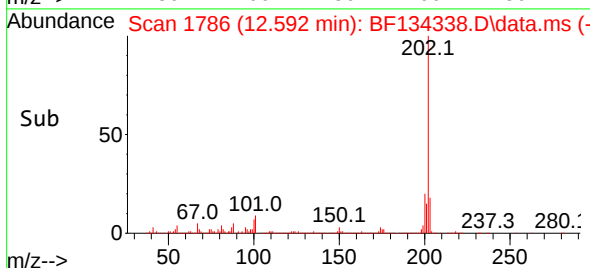
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

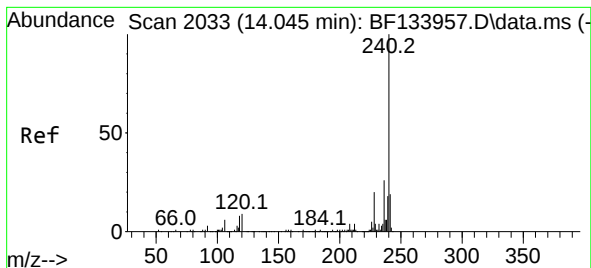


#75
 Fluoranthene
 Concen: 36.726 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134338.D
 Acq: 18 Jul 2023 15:09



Tgt Ion:202 Resp: 531812
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.0
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:240 Resp: 165769

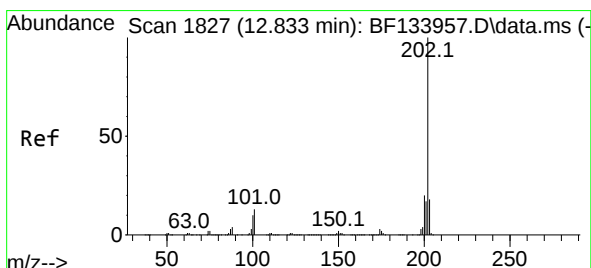
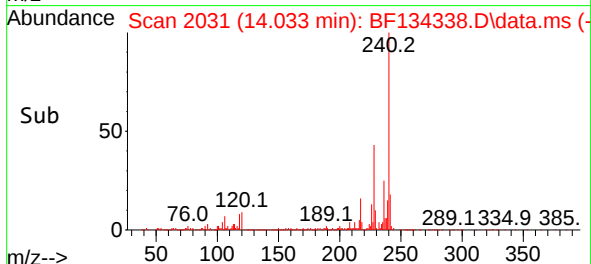
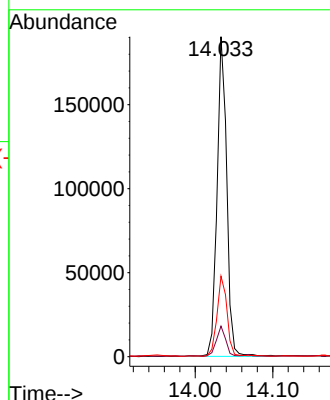
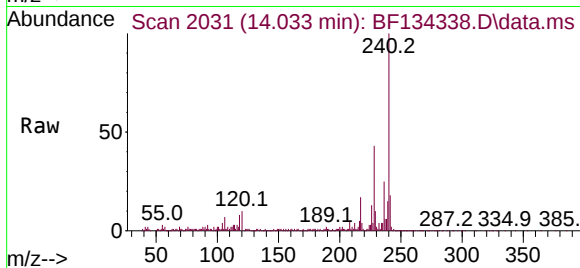
Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.4	11.0
236	25.1	21.0	31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 30.046 ng

RT: 12.827 min Scan# 1826

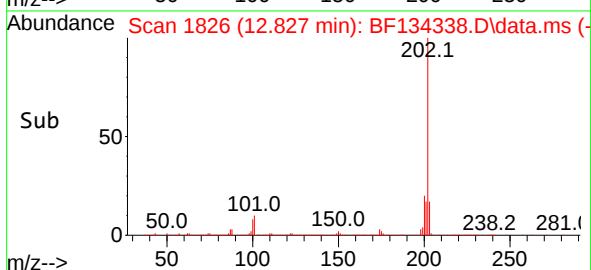
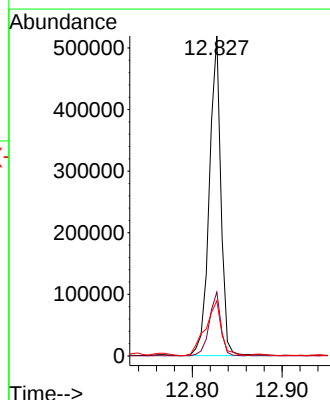
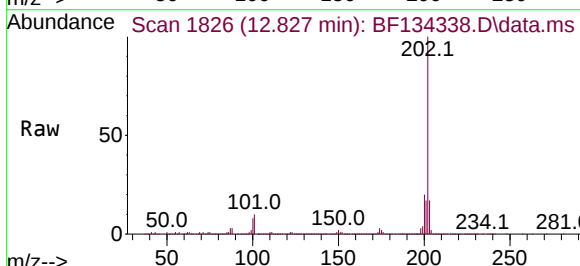
Delta R.T. -0.006 min

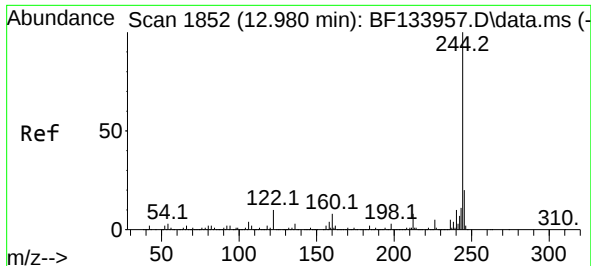
Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Tgt Ion:202 Resp: 463524

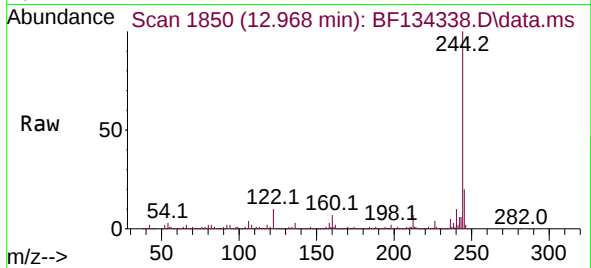
Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.2	14.3	21.5





#79
 Terphenyl-d14
 Concen: 78.876 ng
 RT: 12.968 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134338.D
 Acq: 18 Jul 2023 15:09

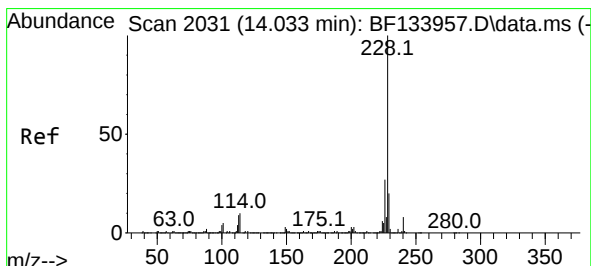
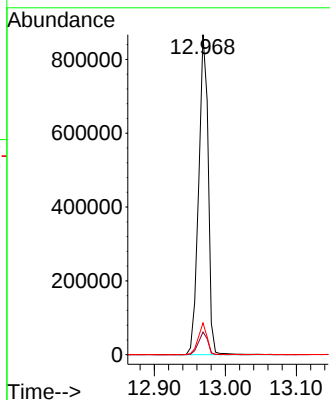
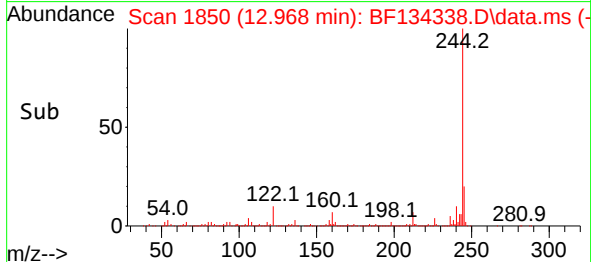
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



Tgt Ion:244 Resp: 812415
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.9 8.3 12.5

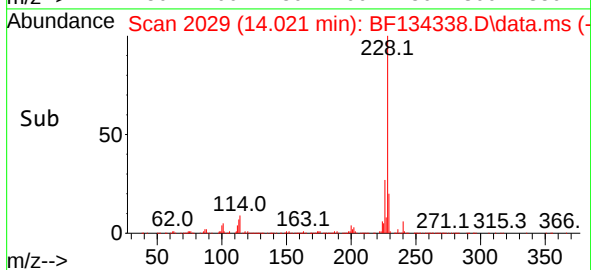
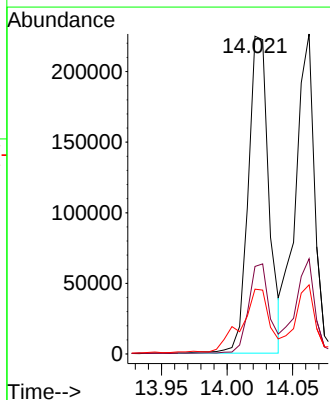
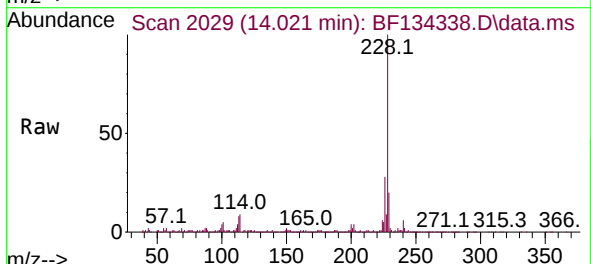
Manual Integrations
 APPROVED

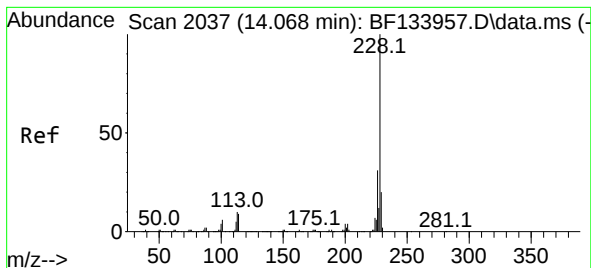
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 21.448 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134338.D
 Acq: 18 Jul 2023 15:09

Tgt Ion:228 Resp: 246572
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.0 33.0
 229 20.4 16.3 24.5





#83

Chrysene

Concen: 20.776 ng

RT: 14.062 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

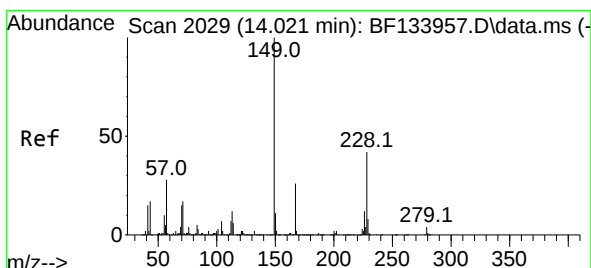
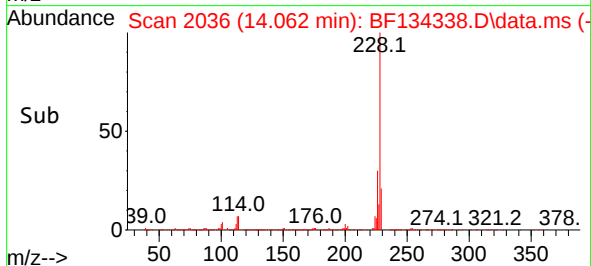
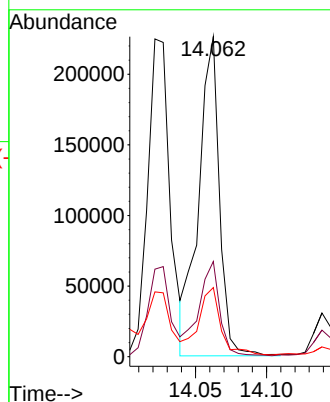
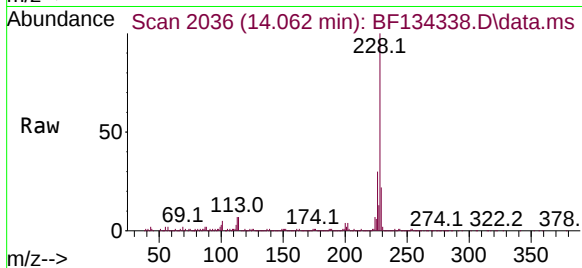
Tgt Ion:	228	Resp:	23134
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	21.6	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.204 ng

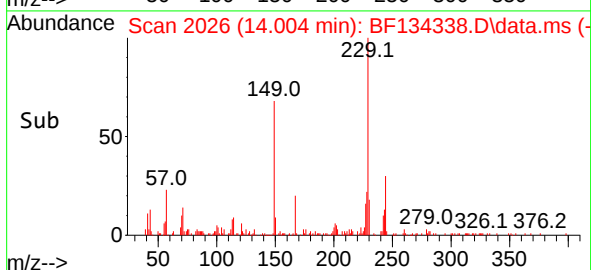
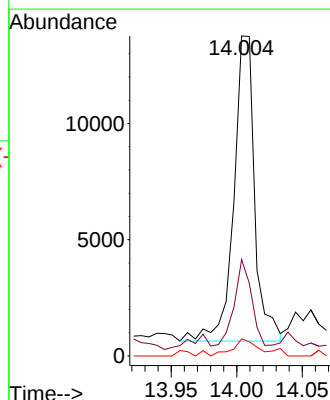
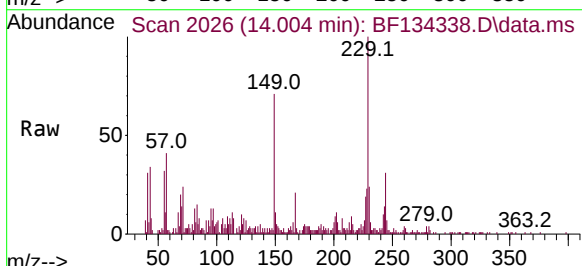
RT: 14.004 min Scan# 2026

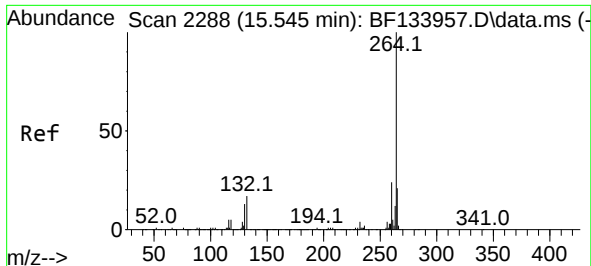
Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

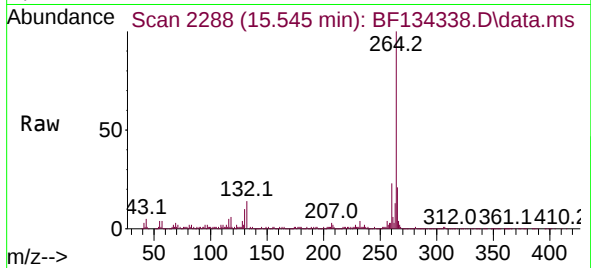
Tgt Ion:	149	Resp:	14655
Ion Ratio	Lower	Upper	
149	100		
167	30.1	21.0	31.4
279	5.3	3.3	4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

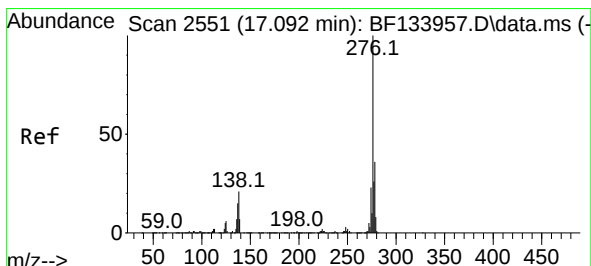
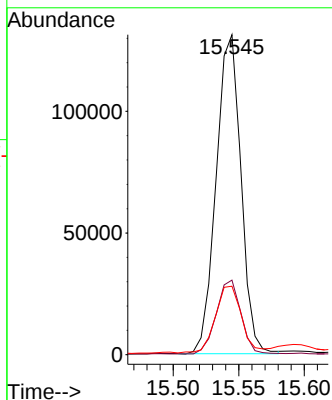
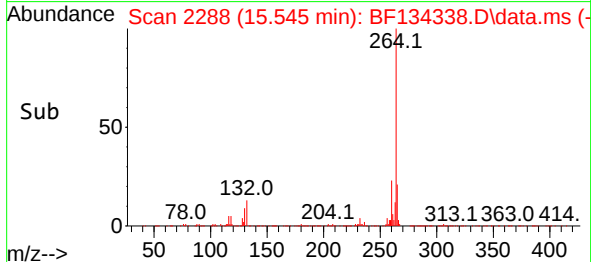
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:264 Resp: 17239
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.4 16.6 25.0

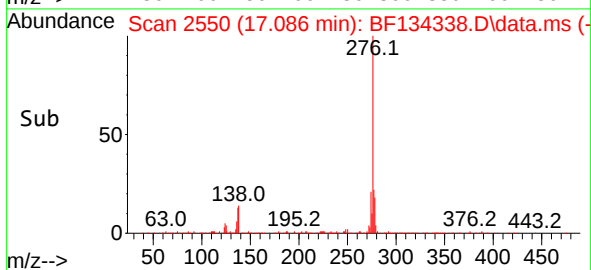
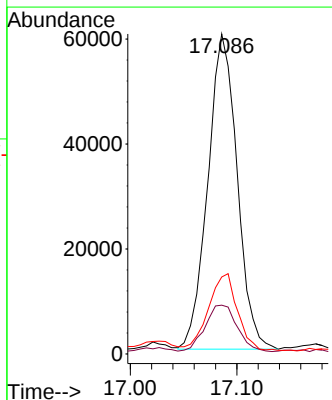
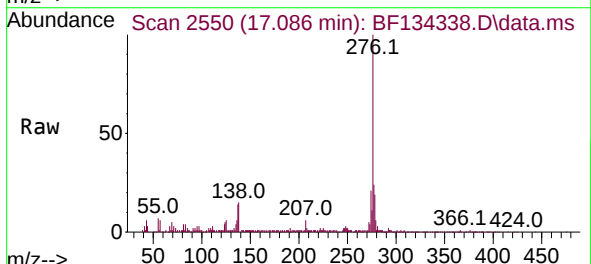
Manual Integrations
APPROVED

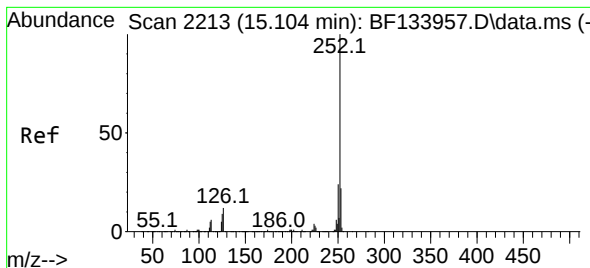
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.596 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion:276 Resp: 114792
Ion Ratio Lower Upper
276 100
138 16.1 18.7 28.1#
277 24.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 28.276 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNF

ClientSampleId :

VNJ-214

Tgt Ion:252 Resp: 28663

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

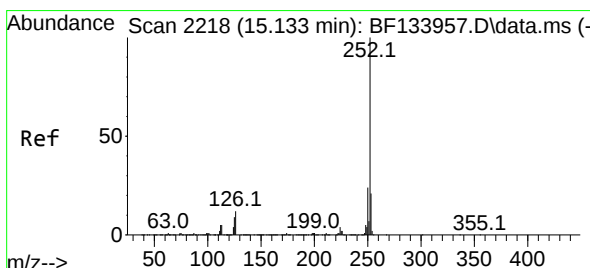
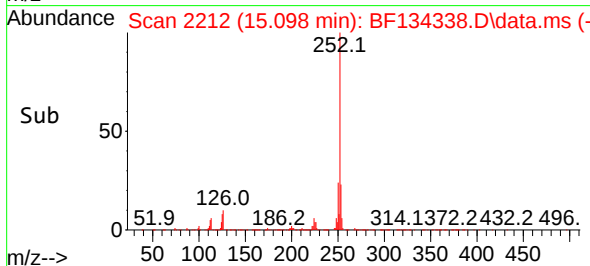
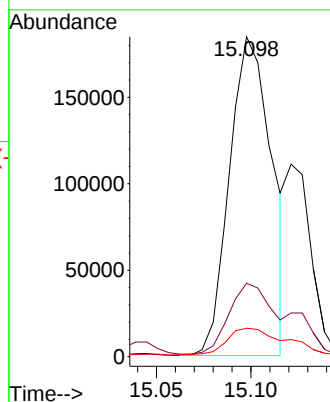
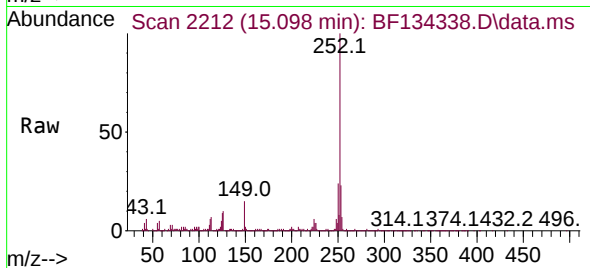
125 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#89

Benzo(k)fluoranthene

Concen: 9.566 ng m

RT: 15.121 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

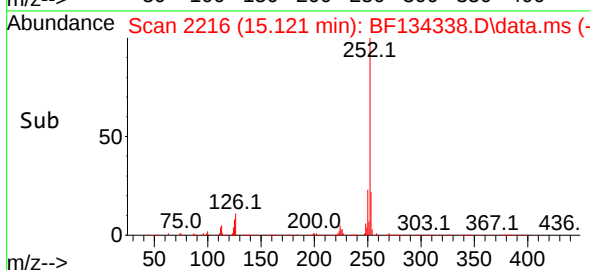
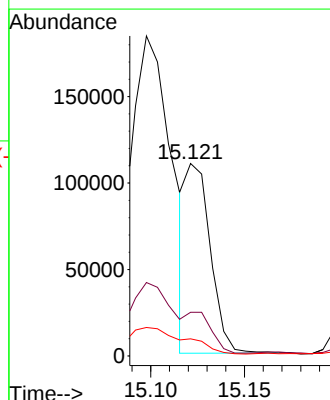
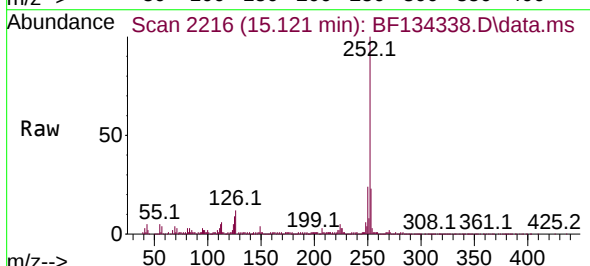
Tgt Ion:252 Resp: 98732

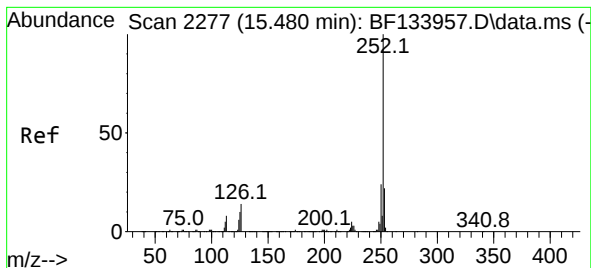
Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 8.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 19.863 ng m

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:252 Resp: 194700

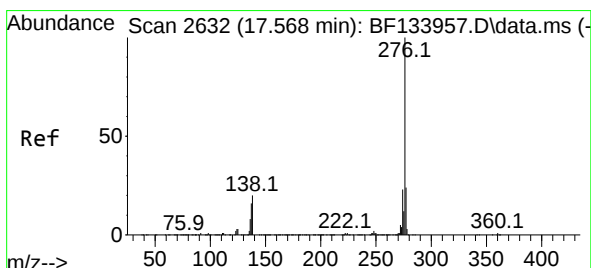
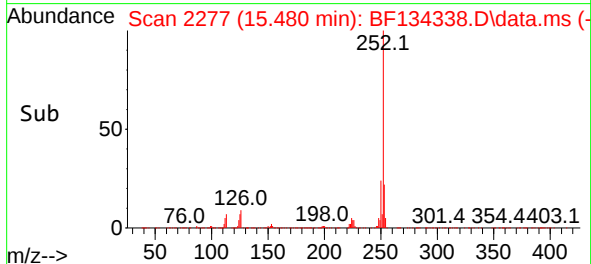
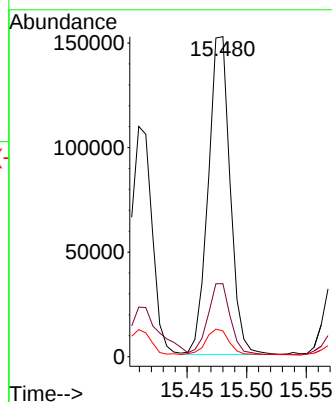
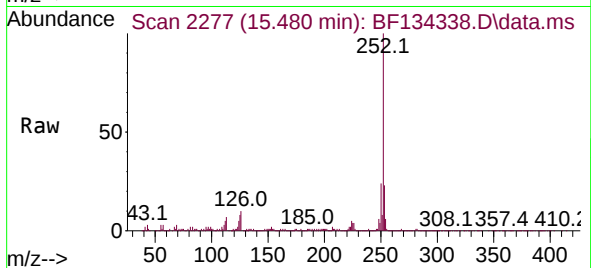
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	8.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#92

Benzo(g,h,i)perylene

Concen: 10.690 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Tgt Ion:276 Resp: 107714

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	17.4	16.2	24.2

