

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134403.D
 Acq On : 21 Jul 2023 16:10
 Operator : CG\JU
 Sample : 03639-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4

Manual Integrations
 APPROVED

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

Quant Time: Jul 21 16:56:11 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	6.834	152	59066	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	228558	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	112918	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	217740	20.000	ng	0.00
76) Chrysene-d12	14.027	240	123916	20.000	ng	-0.01
86) Perylene-d12	15.533	264	132387	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	247824	70.185	ng	0.00
7) Phenol-d6	6.475	99	304615	70.148	ng	-0.01
23) Nitrobenzene-d5	7.398	82	207592	48.961	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	108793	76.844	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	411922	53.038	ng	-0.01
79) Terphenyl-d14	12.963	244	422071	54.819	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	52027	4.746	ng	98
75) Fluoranthene	12.592	202	143638	12.121	ng	96
78) Pyrene	12.822	202	116695	10.119	ng	99
81) Benzo(a)anthracene	14.022	228	37397	4.352	ng	95
83) Chrysene	14.057	228	52149	6.265	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	35534	3.868	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	66597m	8.555	ng	
89) Benzo(k)fluoranthene	15.116	252	20520m	2.589	ng	
90) Benzo(a)pyrene	15.469	252	41850	5.560	ng	98
92) Benzo(g,h,i)perylene	17.551	276	33745m	4.361	ng	

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

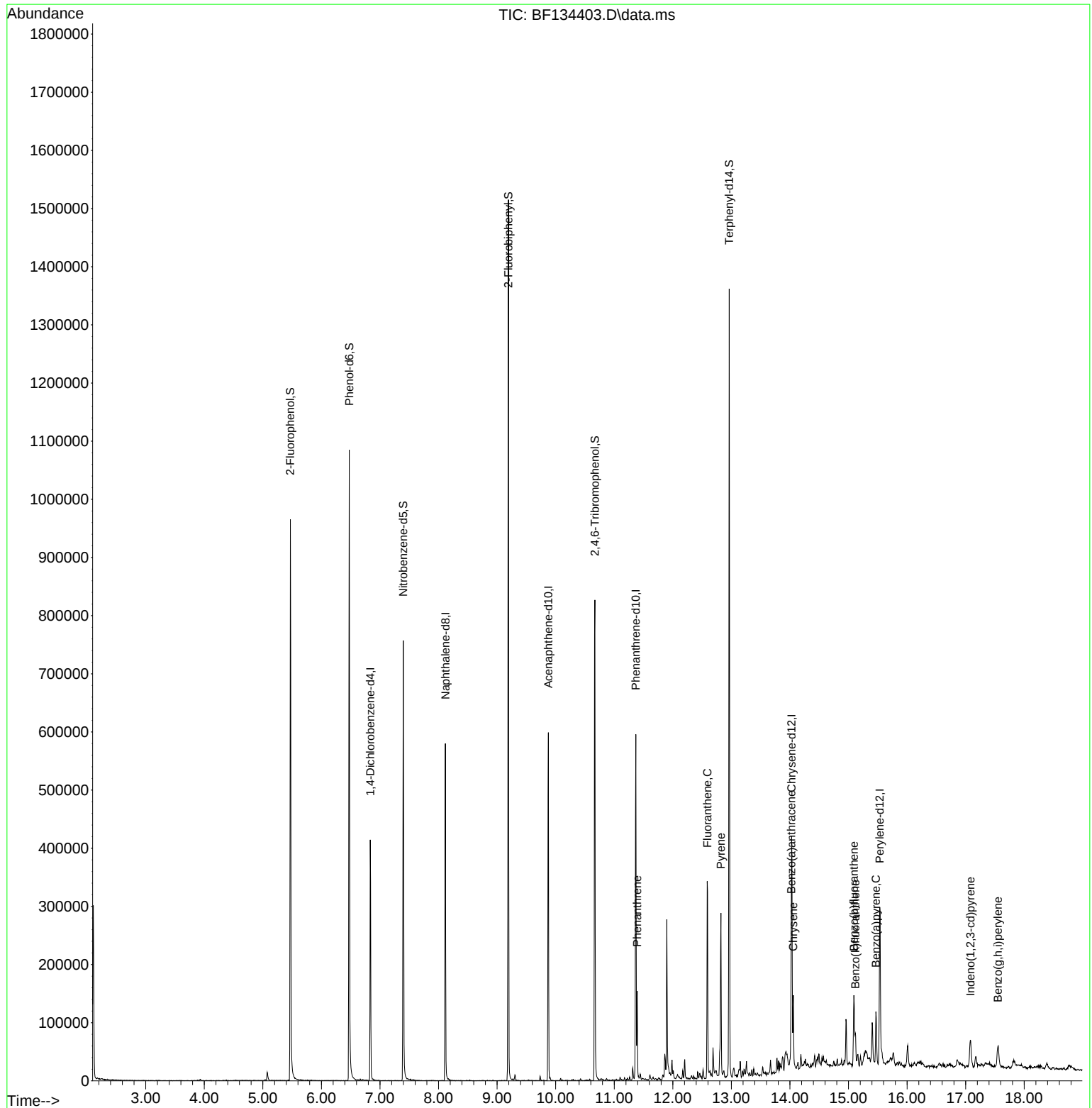
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134403.D
Acq On : 21 Jul 2023 16:10
Operator : CG\JU
Sample : 03639-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

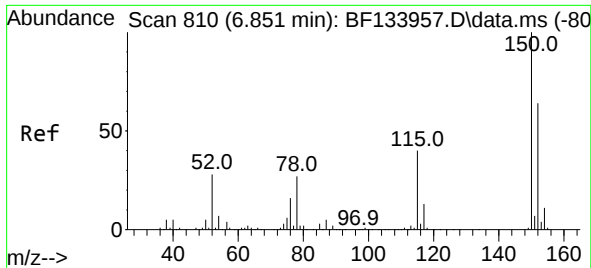
Instrument :
BNA_F
ClientSampleId :
TP4

Quant Time: Jul 21 16:56:11 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

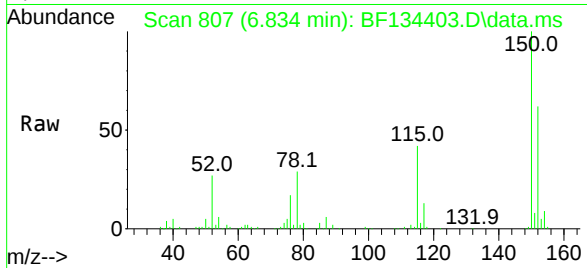
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

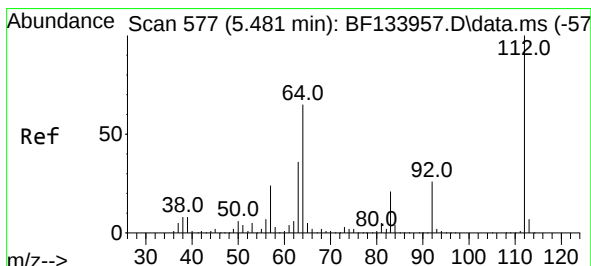
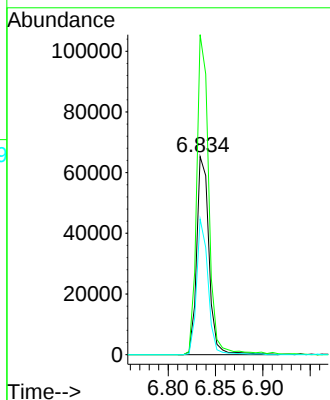
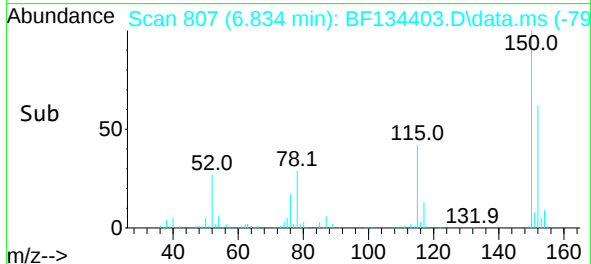
Instrument :
BNA_F
ClientSampleId :
TP4



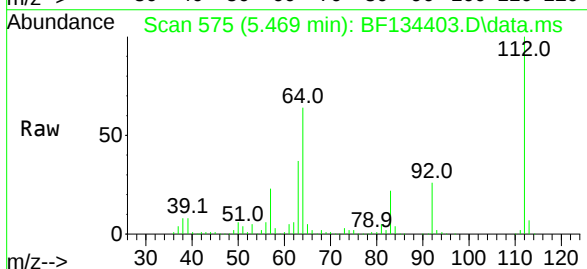
Tgt Ion:152 Resp: 5906
Ion Ratio Lower Upper
152 100
150 161.5 124.5 186.7
115 68.5 50.2 75.2

Manual Integrations
APPROVED

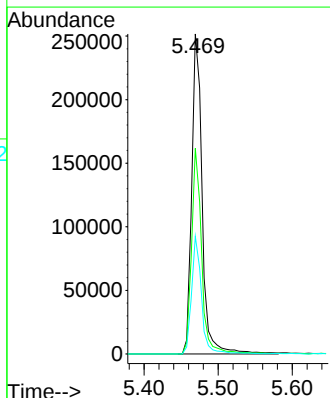
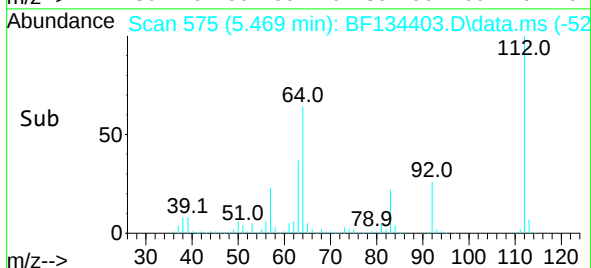
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

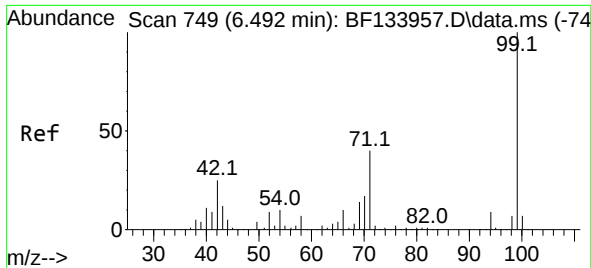


#5
2-Fluorophenol
Concen: 70.185 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10



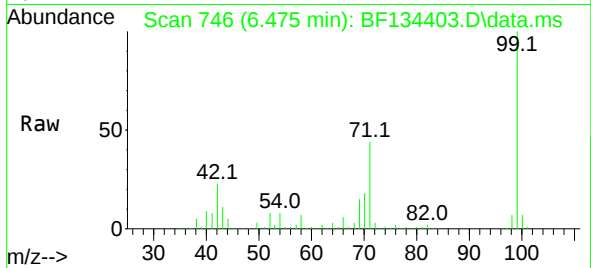
Tgt Ion:112 Resp: 247824
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 36.7 28.6 42.8





#7
Phenol-d6
Concen: 70.148 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

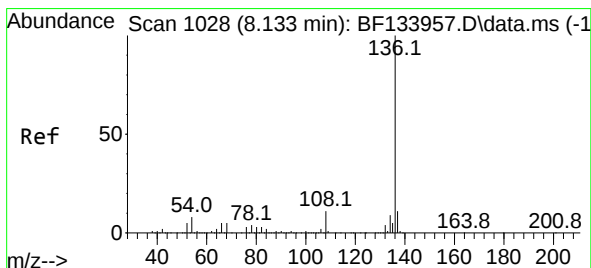
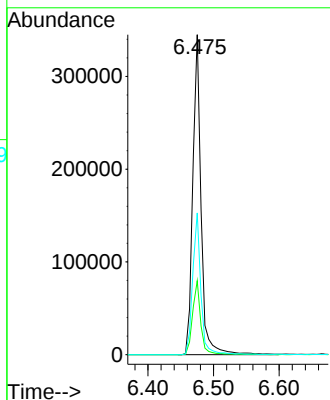
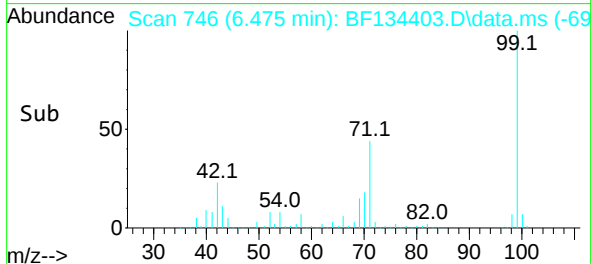
Instrument :
BNA_F
ClientSampleId :
TP4



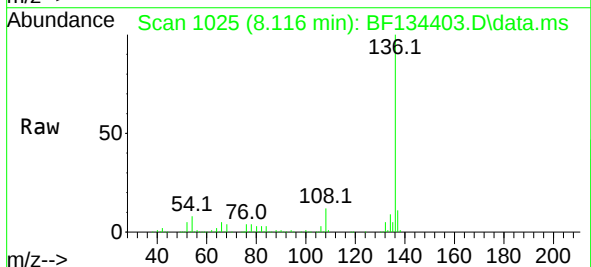
Tgt Ion: 99 Resp: 304615
Ion Ratio Lower Upper
99 100
42 23.1 19.8 29.6
71 44.3 31.9 47.9

Manual Integrations
APPROVED

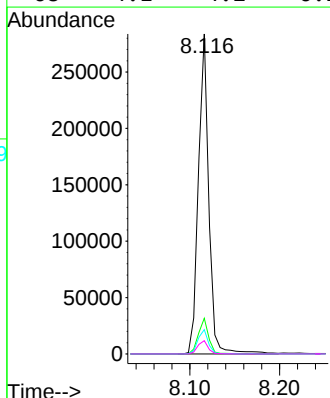
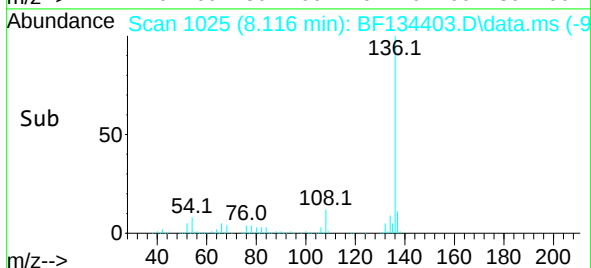
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

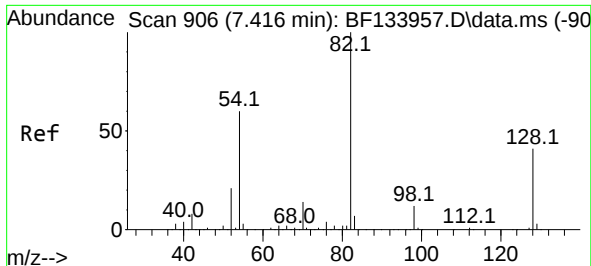


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10



Tgt Ion:136 Resp: 228558
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.6 6.5 9.7
68 4.1 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 48.961 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

Instrument :

BNA_F

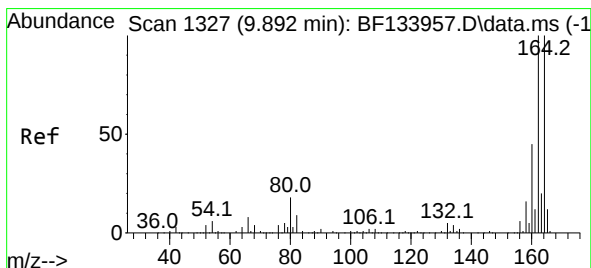
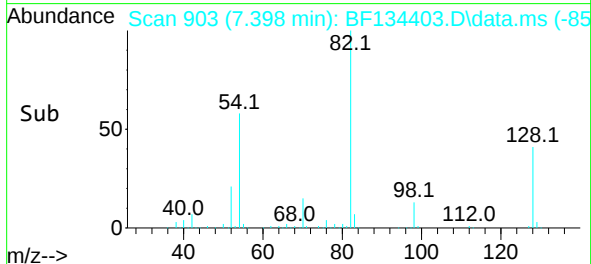
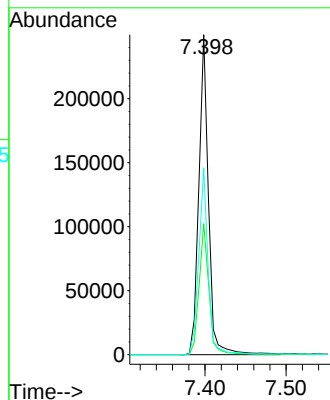
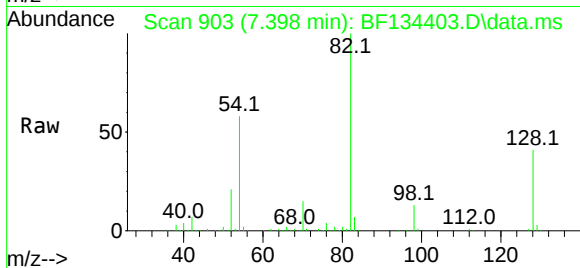
ClientSampleId :

TP4

Tgt Ion: 82 Resp: 207592
 Ion Ratio Lower Upper
 82 100
 128 40.9 32.5 48.7
 54 58.4 48.2 72.2

Manual Integrations
 APPROVED

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



#39

Acenaphthene-d10

Concen: 20.000 ng

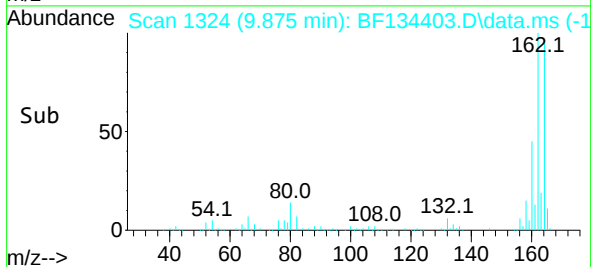
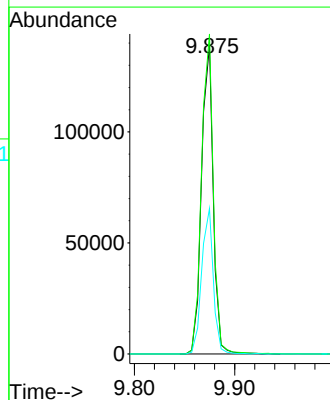
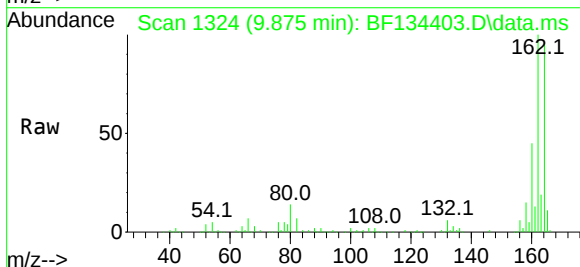
RT: 9.875 min Scan# 1324

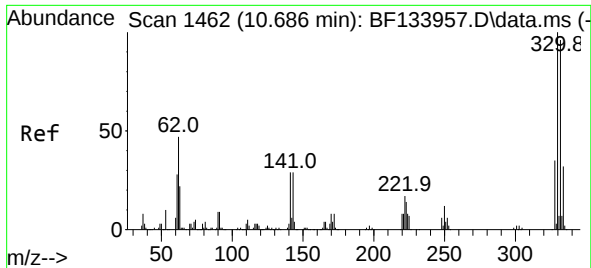
Delta R.T. -0.006 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

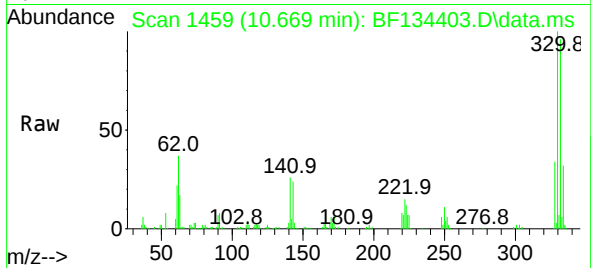
Tgt Ion:164 Resp: 112918
 Ion Ratio Lower Upper
 164 100
 162 103.7 80.0 120.0
 160 47.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 76.844 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

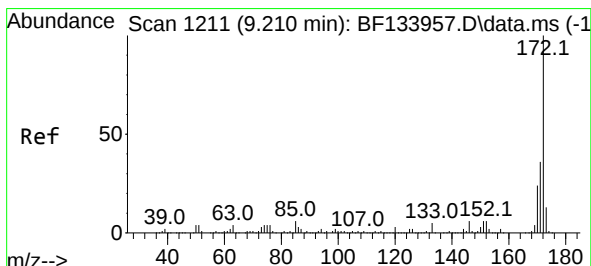
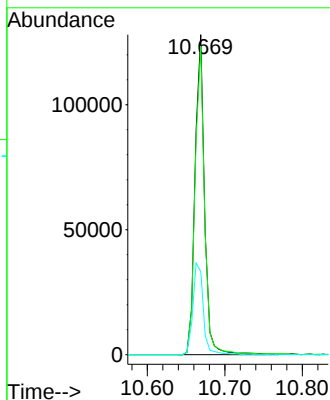
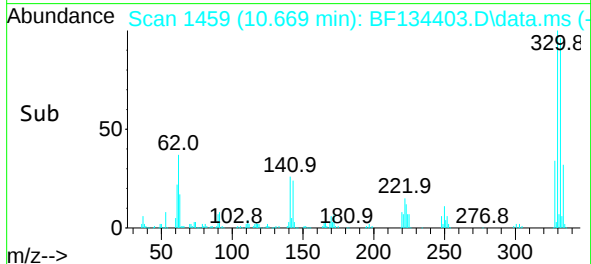
Instrument :
BNA_F
ClientSampleId :
TP4



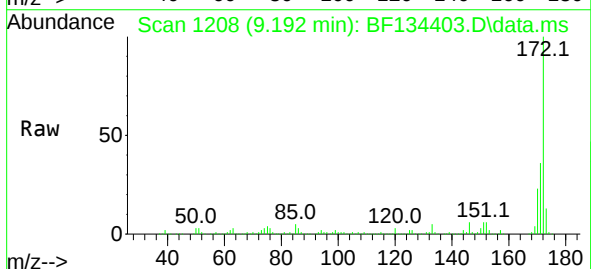
Tgt Ion: 330 Resp: 108793
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 31.5 26.3 39.5

Manual Integrations
APPROVED

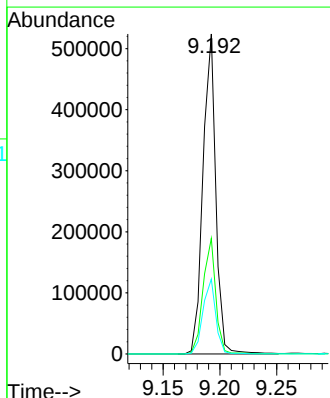
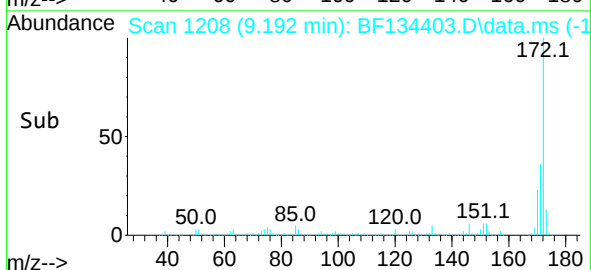
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

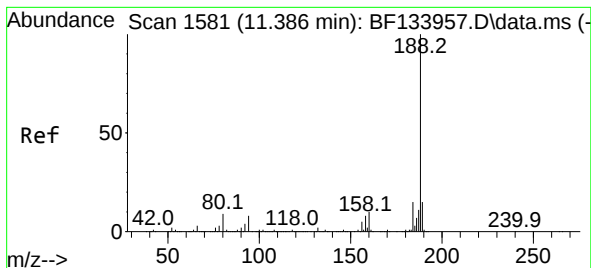


#45
2-Fluorobiphenyl
Concen: 53.038 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10



Tgt Ion: 172 Resp: 411922
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.4 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: BF134403.D

Acq: 21 Jul 2023 16:10

Instrument :

BNA_F

ClientSampleId :

TP4

Tgt Ion:188 Resp: 217740

Ion Ratio Lower Upper

188 100

94 6.6 6.4 9.6

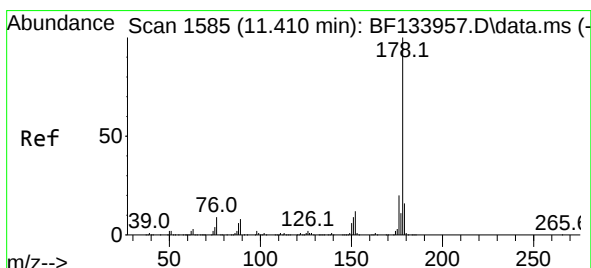
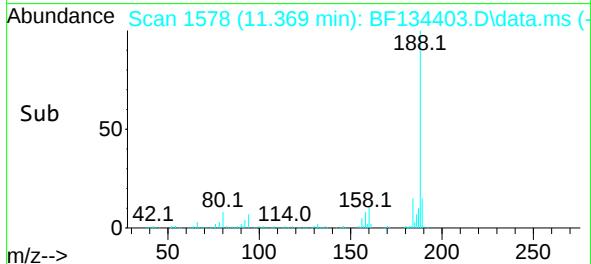
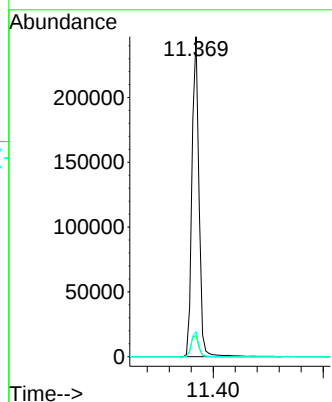
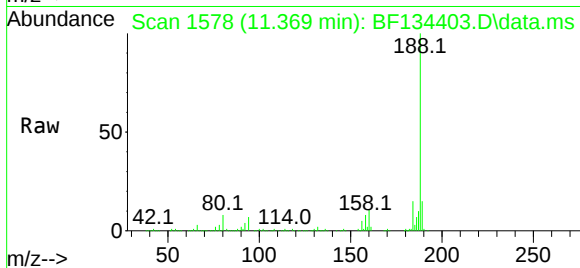
80 7.8 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#71

Phenanthrene

Concen: 4.746 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

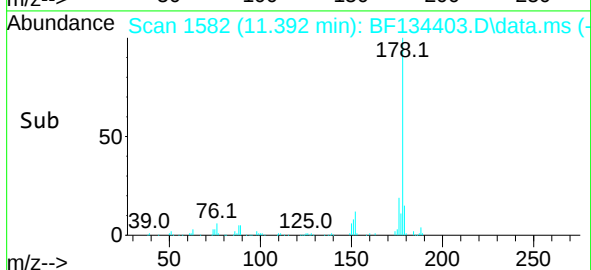
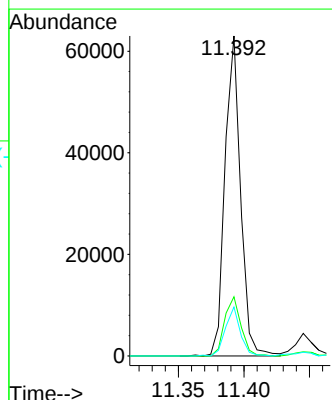
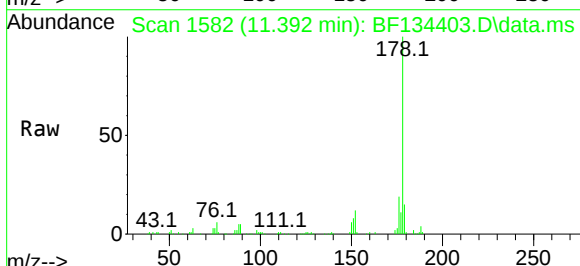
Tgt Ion:178 Resp: 52027

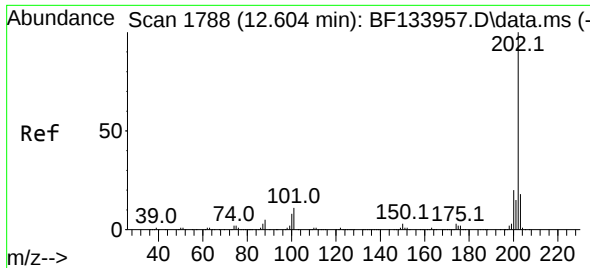
Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

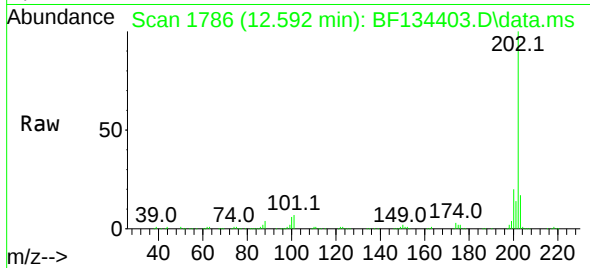
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 12.121 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

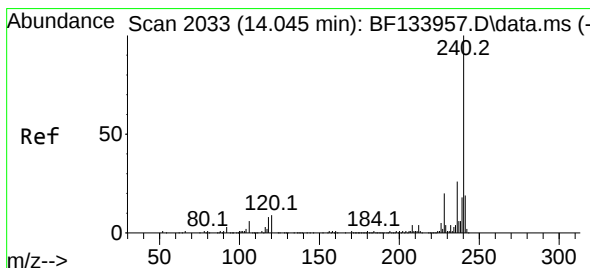
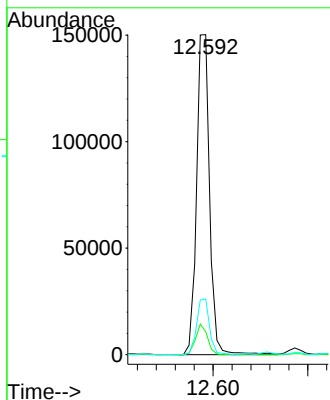
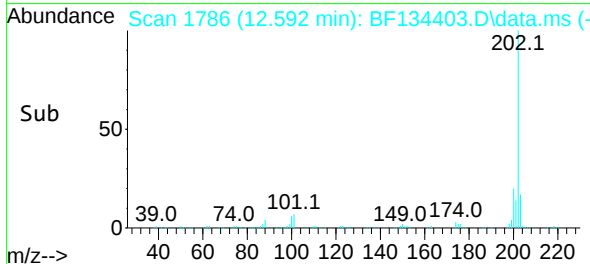
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:202 Resp: 143638
Ion Ratio Lower Upper
202 100
101 7.2 0.0 31.0
203 17.4 0.0 37.6

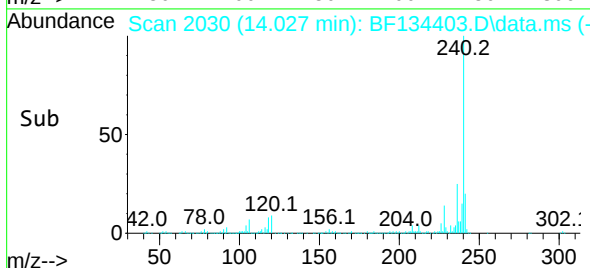
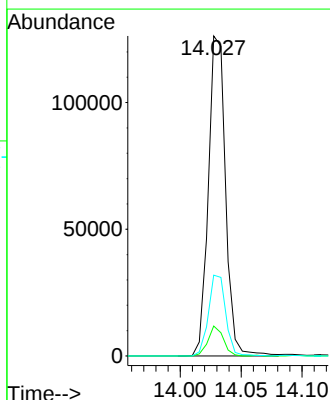
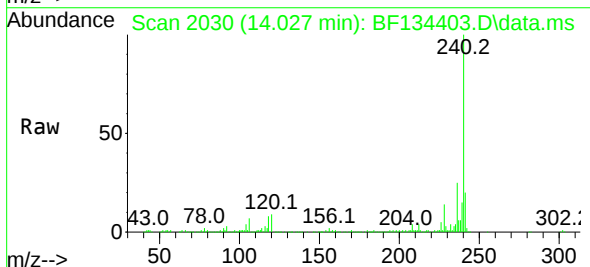
Manual Integrations
APPROVED

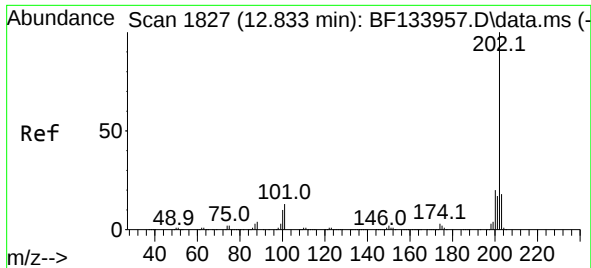
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

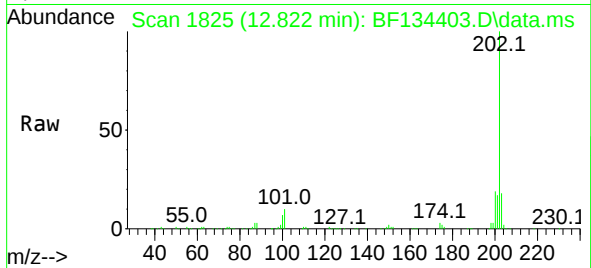
Tgt Ion:240 Resp: 123916
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 25.3 21.0 31.6





#78
Pyrene
Concen: 10.119 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

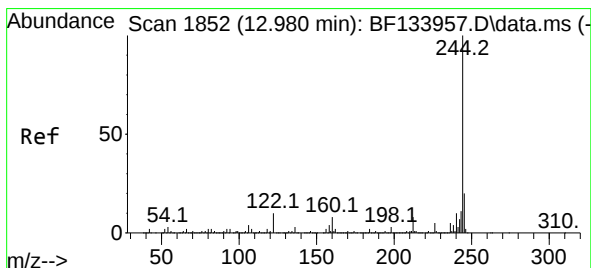
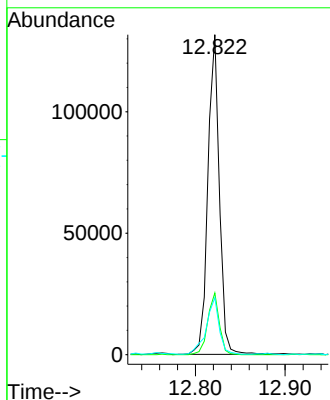
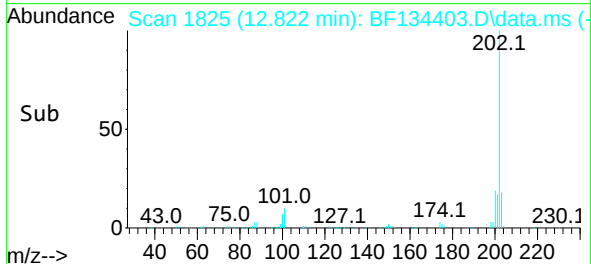
Instrument :
BNA_F
ClientSampleId :
TP4



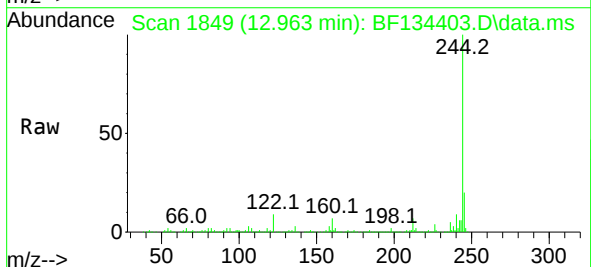
Tgt Ion:202 Resp: 11669
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 17.8 14.3 21.5

Manual Integrations
APPROVED

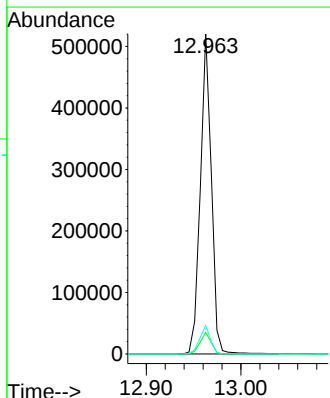
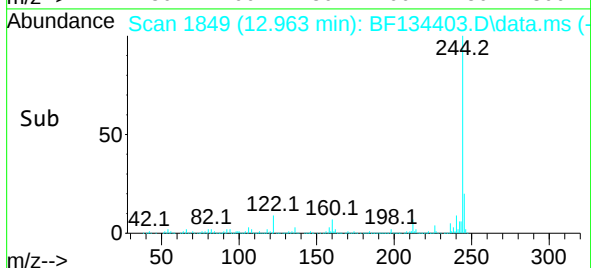
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

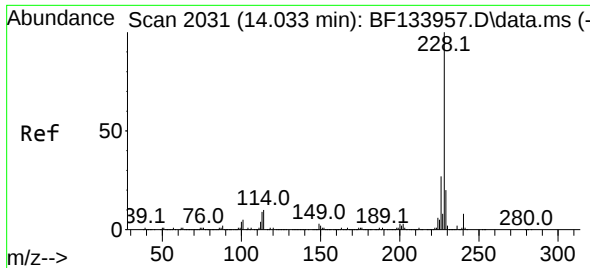


#79
Terphenyl-d14
Concen: 54.819 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10



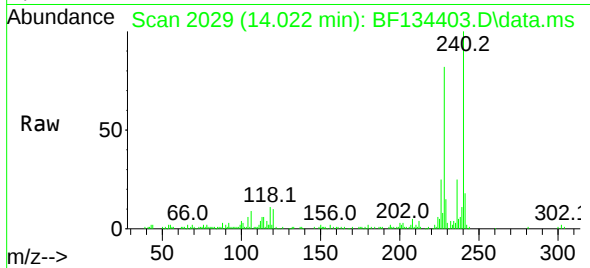
Tgt Ion:244 Resp: 422071
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 8.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 4.352 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

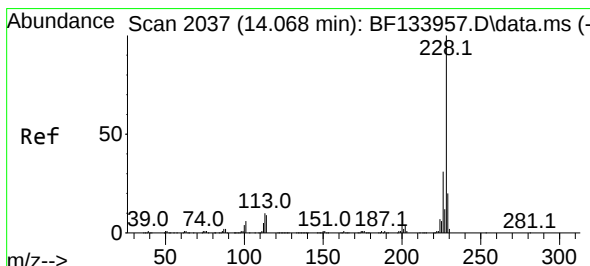
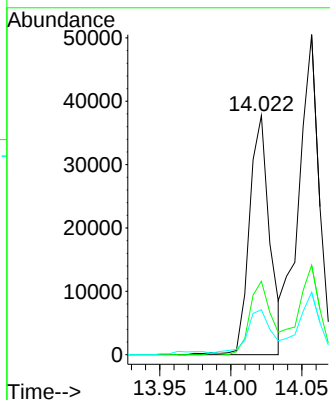
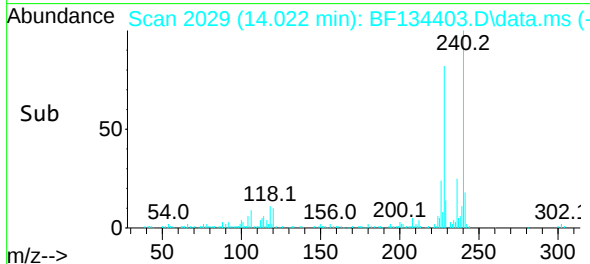
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:228 Resp: 3739
Ion Ratio Lower Upper
228 100
226 30.7 22.0 33.0
229 18.8 16.3 24.5

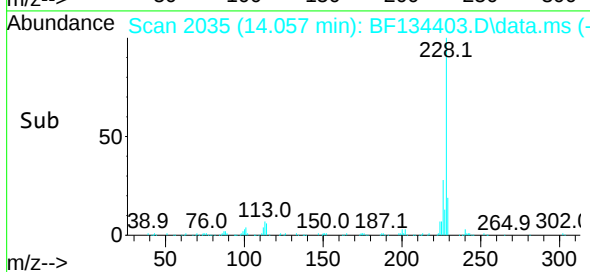
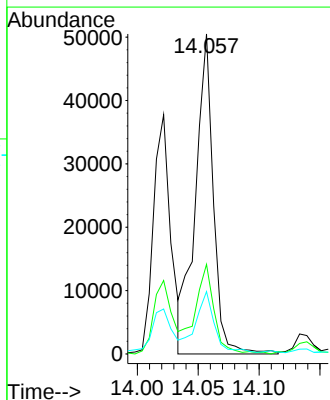
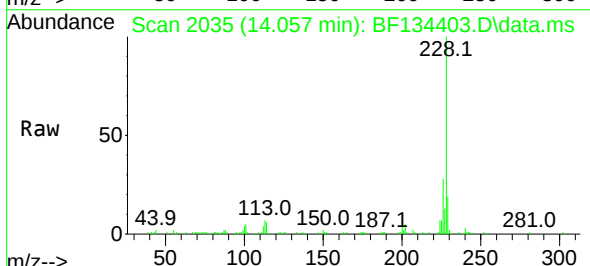
Manual Integrations
APPROVED

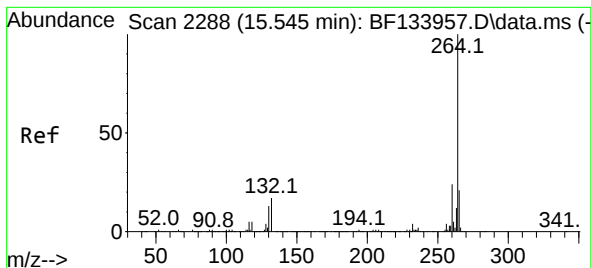
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#83
Chrysene
Concen: 6.265 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

Tgt Ion:228 Resp: 52149
Ion Ratio Lower Upper
228 100
226 28.0 24.4 36.6
229 19.5 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: BF134403.D

Acq: 21 Jul 2023 16:10

Instrument :

BNA_F

ClientSampleId :

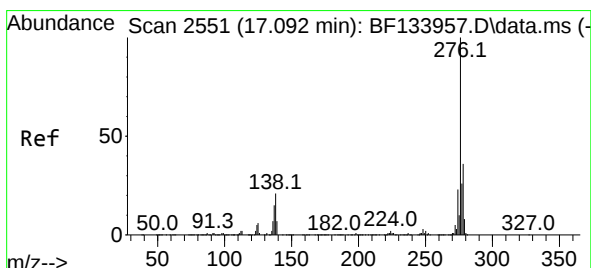
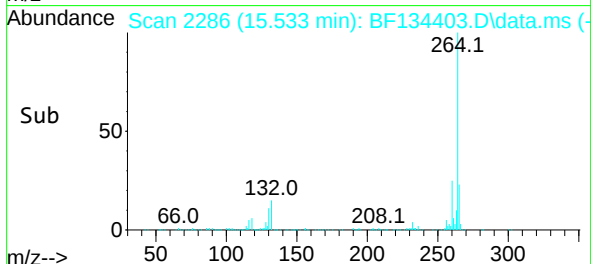
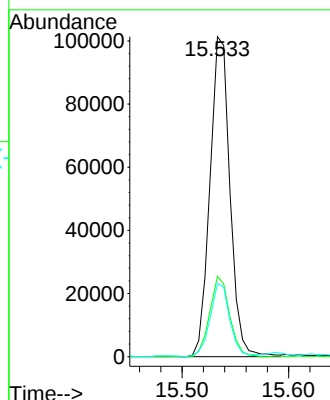
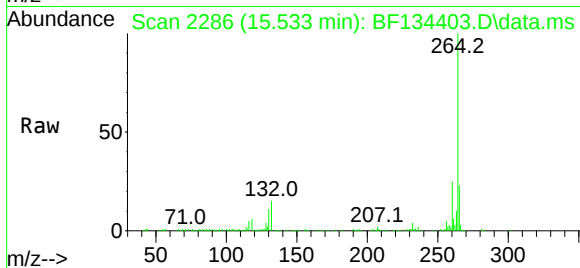
TP4

Tgt Ion:264 Resp: 13238
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 22.9 16.6 25.0

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.868 ng

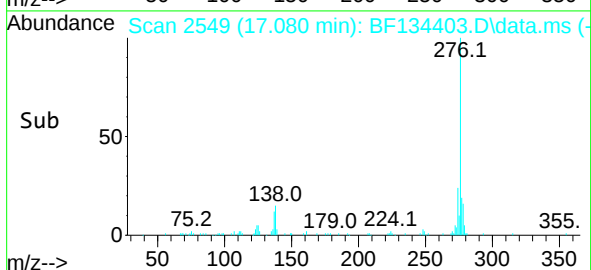
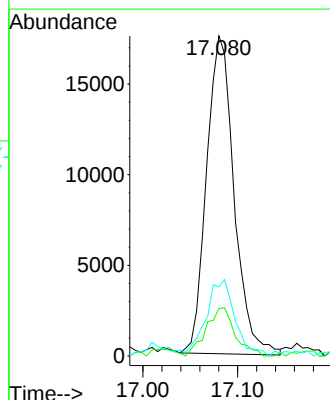
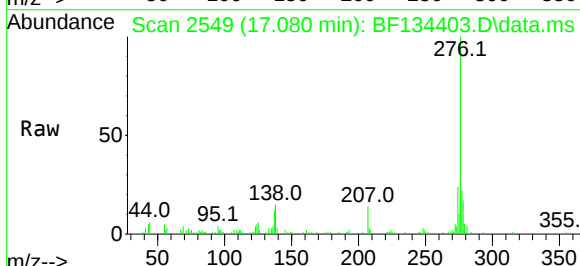
RT: 17.080 min Scan# 2549

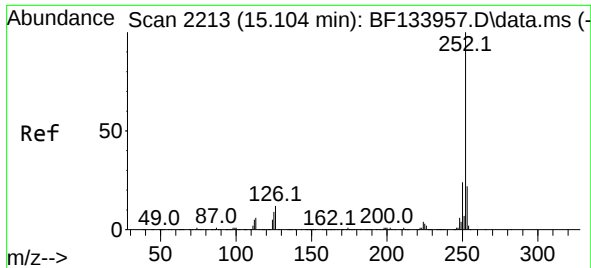
Delta R.T. -0.017 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

Tgt Ion:276 Resp: 35534
 Ion Ratio Lower Upper
 276 100
 138 15.9 18.7 28.1#
 277 24.9 19.9 29.9





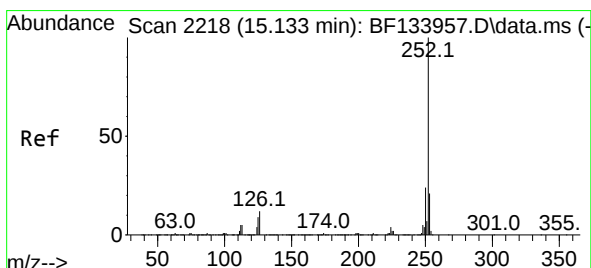
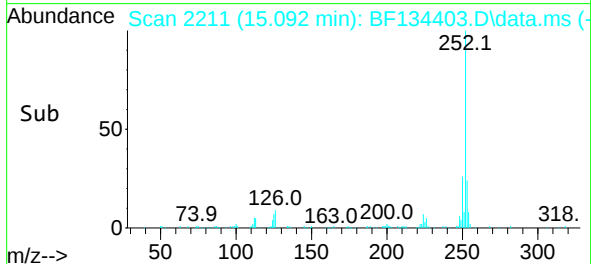
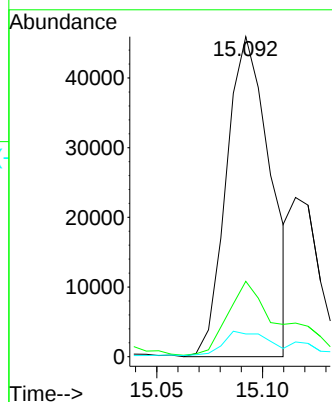
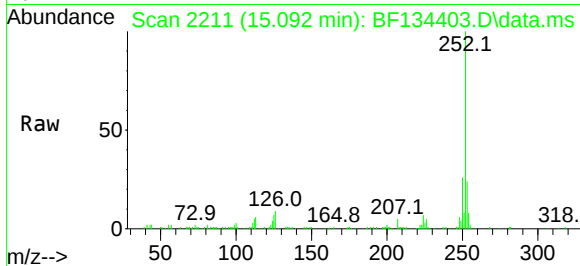
#88
Benzo(b)fluoranthene
Concen: 8.555 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

Instrument :
BNA_F
ClientSampleId :
TP4

Tgt Ion:252 Resp: 6659
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 7.1 7.1 10.7

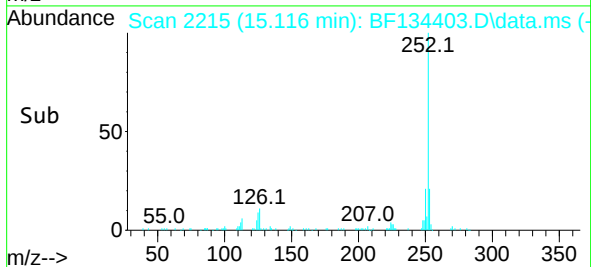
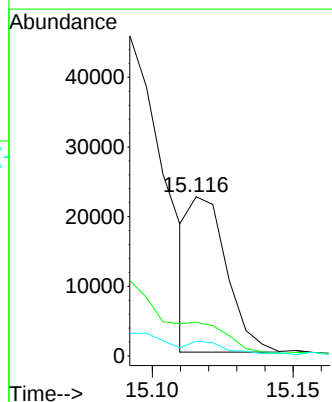
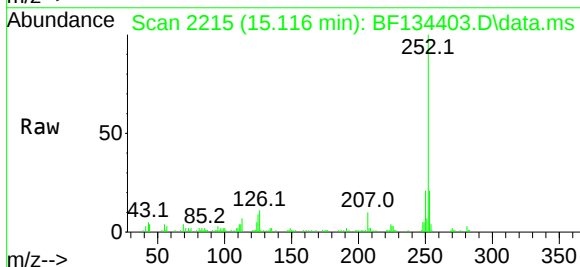
Manual Integrations
APPROVED

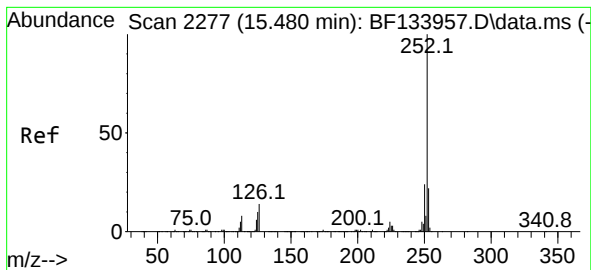
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#89
Benzo(k)fluoranthene
Concen: 2.589 ng m
RT: 15.116 min Scan# 2215
Delta R.T. -0.017 min
Lab File: BF134403.D
Acq: 21 Jul 2023 16:10

Tgt Ion:252 Resp: 20520
Ion Ratio Lower Upper
252 100
253 21.1 16.9 25.3
125 9.2 7.4 11.2





#90

Benzo(a)pyrene

Concen: 5.560 ng

RT: 15.469 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

Instrument :

BNA_F

ClientSampleId :

TP4

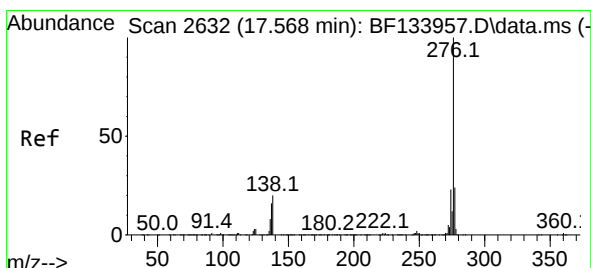
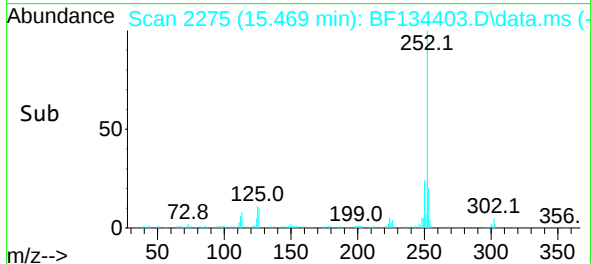
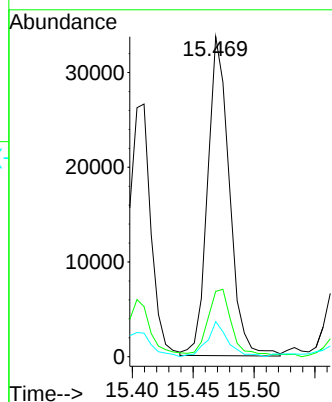
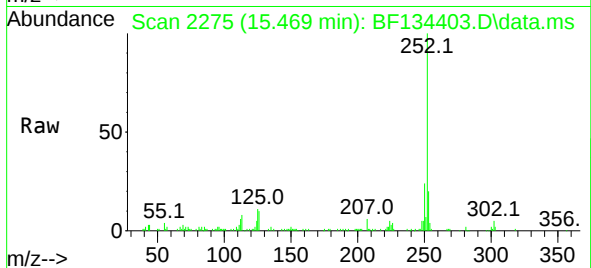
Tgt Ion:252 Resp: 41850
 Ion Ratio Lower Upper
 252 100
 253 20.4 17.4 26.0
 125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#92

Benzo(g,h,i)perylene

Concen: 4.361 ng m

RT: 17.551 min Scan# 2629

Delta R.T. -0.017 min

Lab File: BF134403.D

Acq: 21 Jul 2023 16:10

Tgt Ion:276 Resp: 33745
 Ion Ratio Lower Upper
 276 100
 277 28.3 19.0 28.6
 138 15.4 16.2 24.2#

