

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133937.D
 Acq On : 23 Jun 2023 11:58
 Operator : CG\JU
 Sample : 03331-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB30-35

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 23 12:54:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	112554	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	425302	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	197520	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	335173	20.000	ng	0.00
76) Chrysene-d12	14.051	240	210448	20.000	ng	0.00
86) Perylene-d12	15.557	264	211012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	720798	111.488	ng	0.00
7) Phenol-d6	6.498	99	874973	103.970	ng	0.00
23) Nitrobenzene-d5	7.422	82	601799	77.070	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	237371	94.939	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1096870	78.940	ng	0.00
79) Terphenyl-d14	12.986	244	944555	69.450	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	124099	7.298	ng	98
75) Fluoranthene	12.610	202	275250	15.242	ng	99
78) Pyrene	12.839	202	252207	12.865	ng	100
81) Benzo(a)anthracene	14.039	228	129803	8.917	ng	98
83) Chrysene	14.074	228	124223	9.023	ng	95
87) Indeno(1,2,3-cd)pyrene	17.104	276	73850	5.087	ng	96
88) Benzo(b)fluoranthene	15.110	252	171122m	13.350	ng	
89) Benzo(k)fluoranthene	15.133	252	54837m	4.392	ng	
90) Benzo(a)pyrene	15.492	252	116563	9.798	ng	97
92) Benzo(g,h,i)perylene	17.568	276	70322	5.901	ng #	95

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

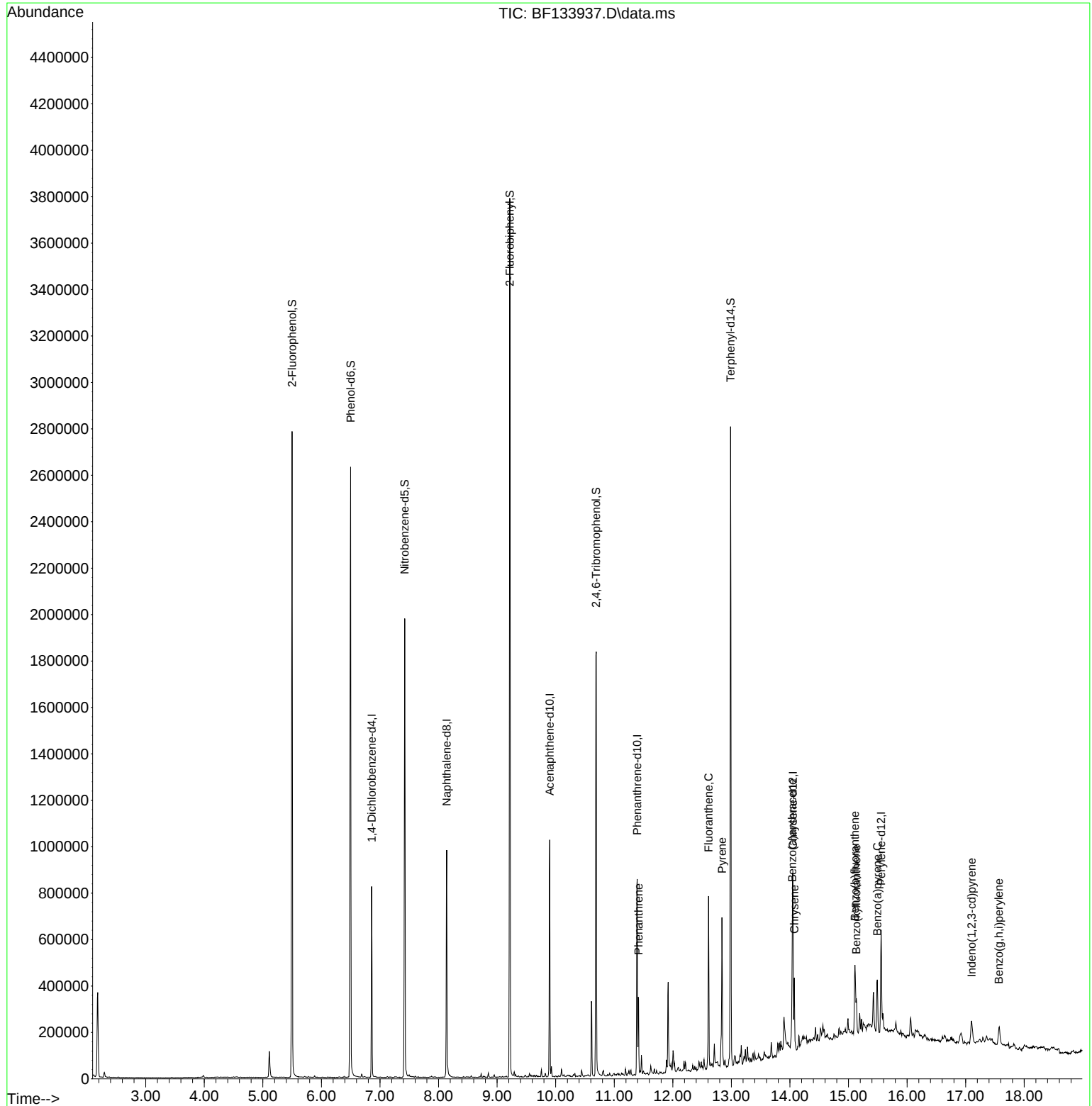
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133937.D
Acq On : 23 Jun 2023 11:58
Operator : CG\JU
Sample : 03331-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

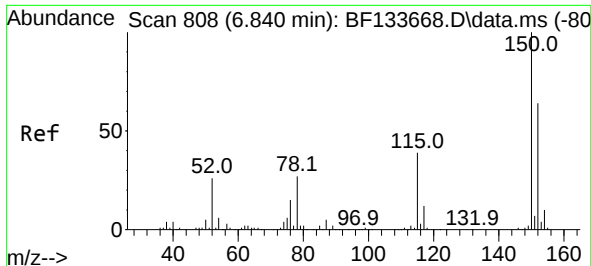
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35

Quant Time: Jun 23 12:54:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

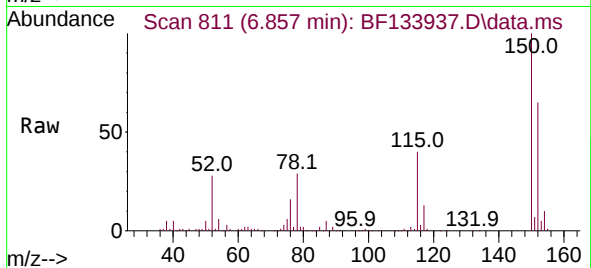
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

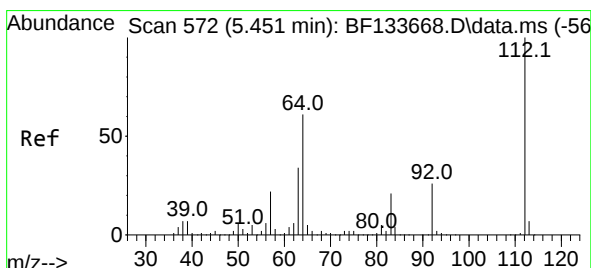
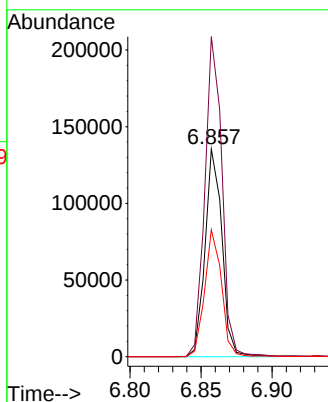
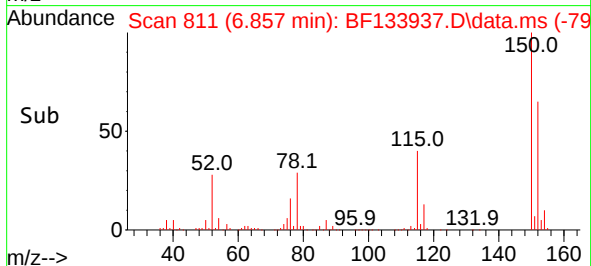
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



Tgt Ion:152 Resp: 112554
Ion Ratio Lower Upper
152 100
150 154.0 124.3 186.5
115 61.1 48.5 72.7

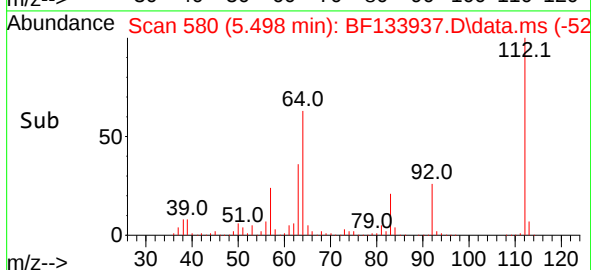
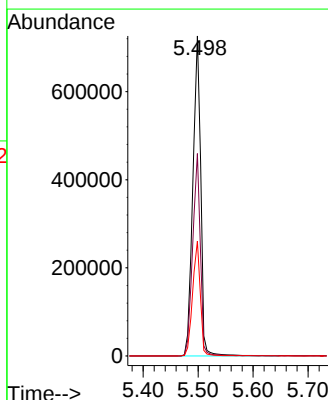
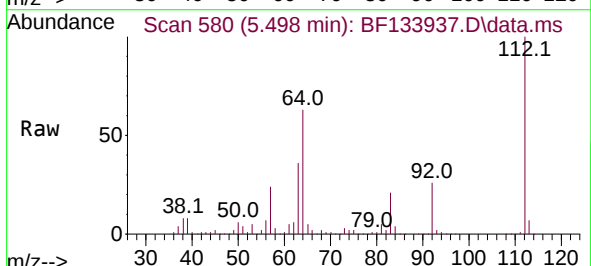
Manual Integrations
APPROVED

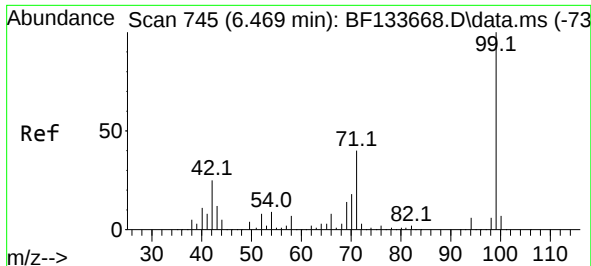
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 111.488 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

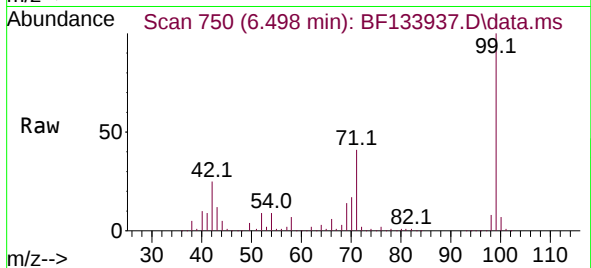
Tgt Ion:112 Resp: 720798
Ion Ratio Lower Upper
112 100
64 63.2 49.0 73.4
63 35.9 26.8 40.2





#7
Phenol-d6
Concen: 103.970 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

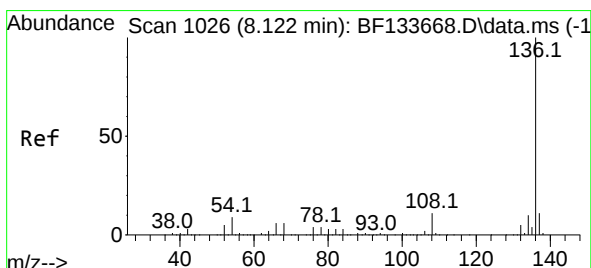
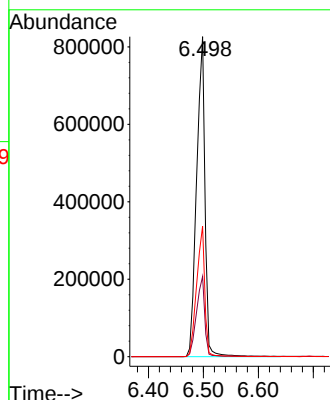
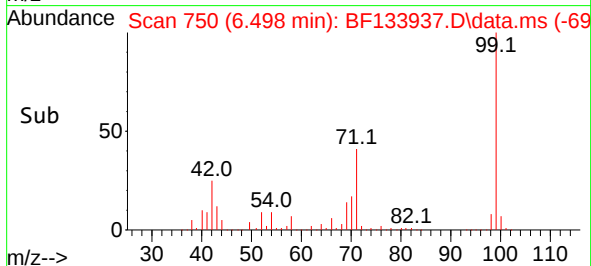
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



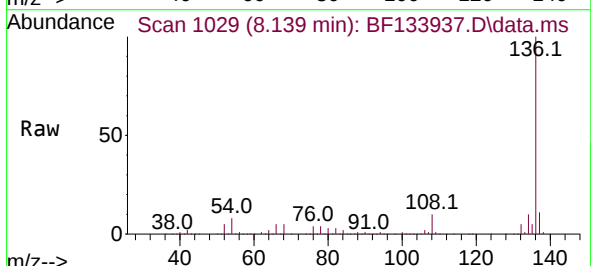
Tgt Ion: 99 Resp: 87497
Ion Ratio Lower Upper
99 100
42 25.1 19.9 29.9
71 40.8 32.2 48.4

Manual Integrations
APPROVED

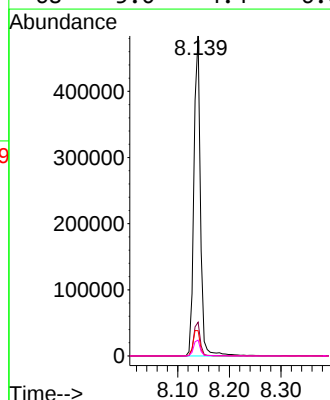
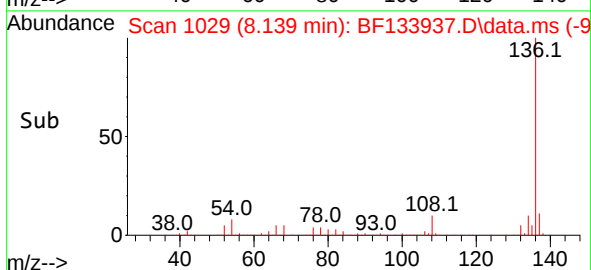
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

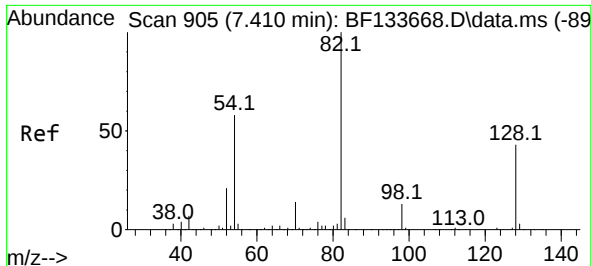


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58



Tgt Ion:136 Resp: 425302
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.9 7.4 11.0
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 77.070 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133937.D

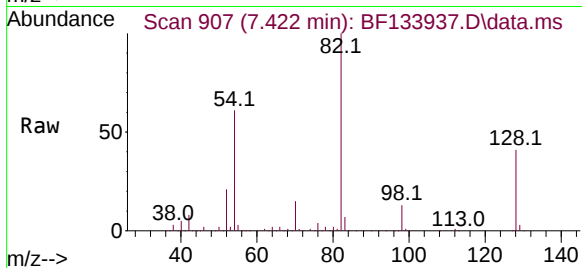
Acq: 23 Jun 2023 11:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB30-35



Tgt Ion: 82 Resp: 601799

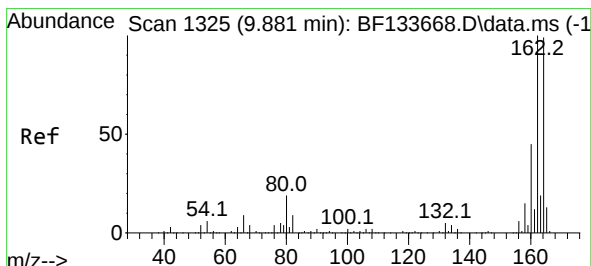
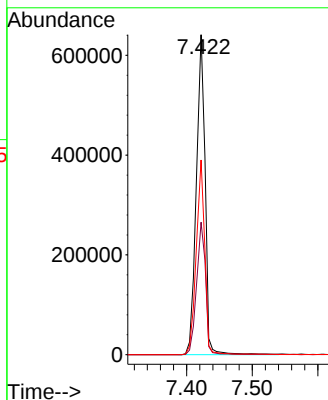
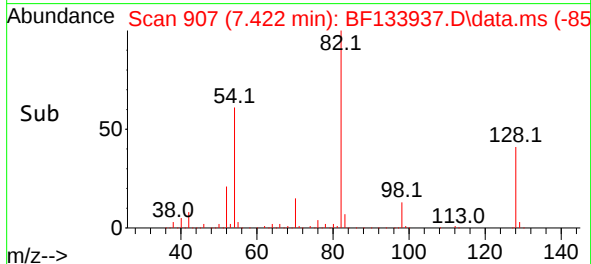
Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	60.9	46.5	69.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

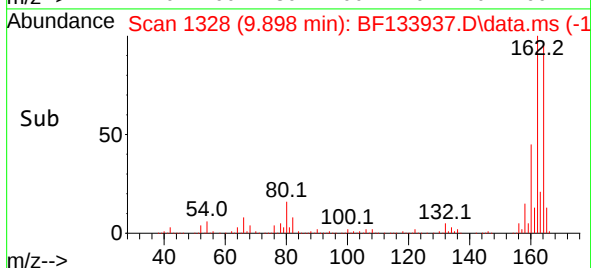
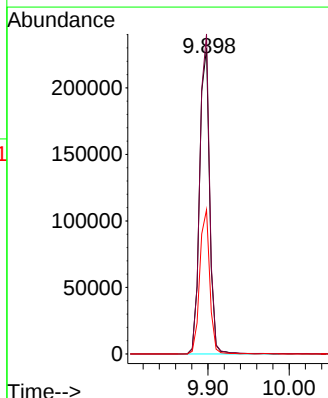
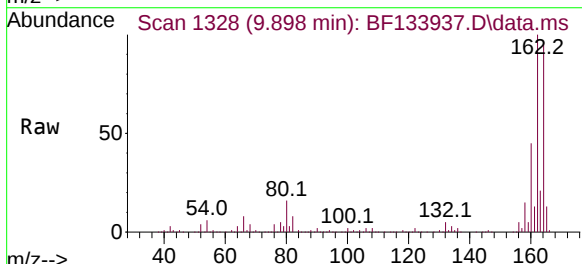
Tgt Ion:164 Resp: 197520

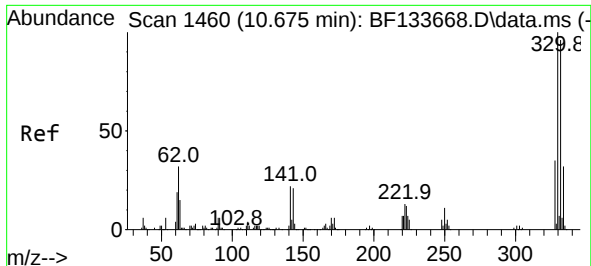
Ion Ratio Lower Upper

164 100

162 104.7 80.8 121.2

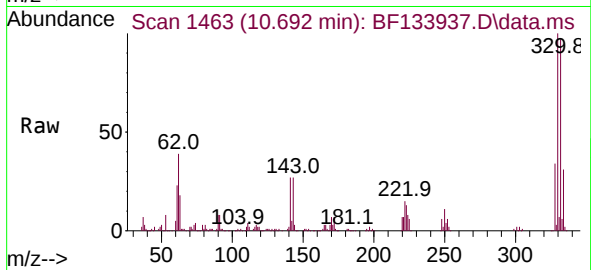
160 47.2 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 94.939 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

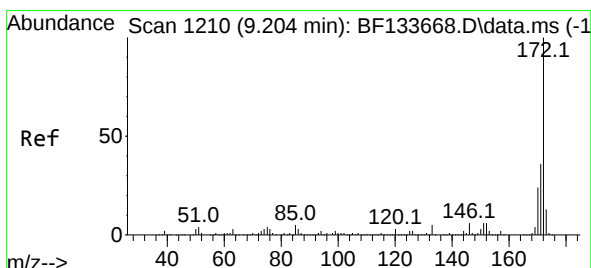
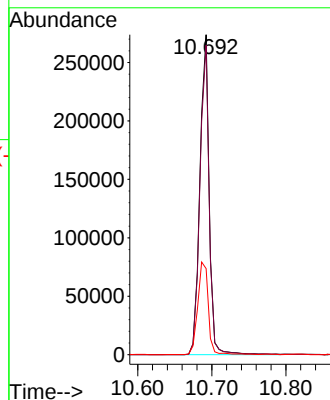
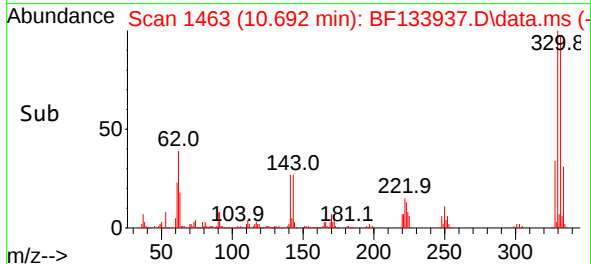
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



Tgt Ion: 330 Resp: 23737
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 32.6 24.9 37.3

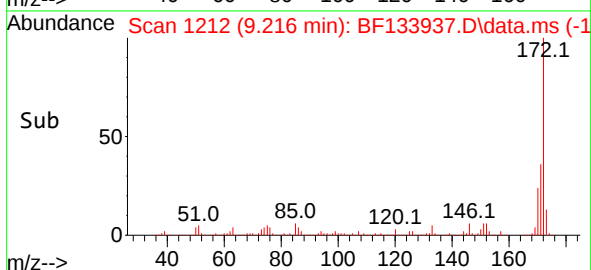
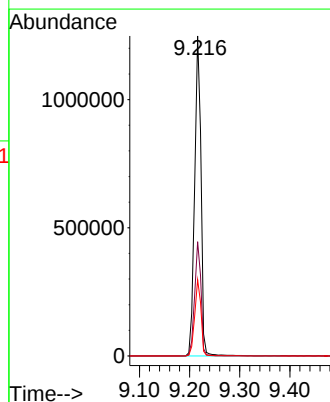
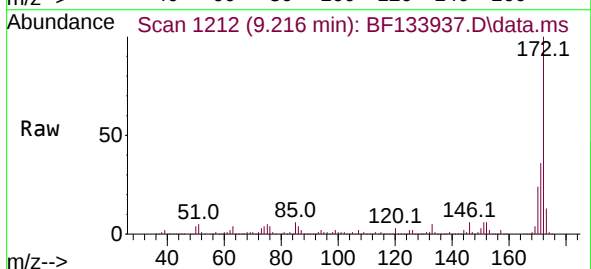
Manual Integrations
APPROVED

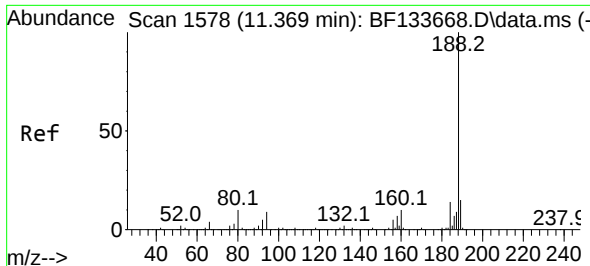
Reviewed By : Yogesh Patel 06/26/2023
Supervised By : mohammad ahmed 06/27/2023



#45
2-Fluorobiphenyl
Concen: 78.940 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

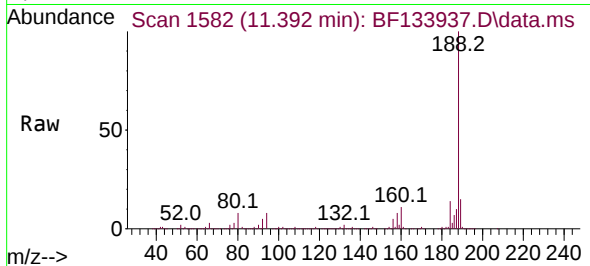
Tgt Ion: 172 Resp: 1096870
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

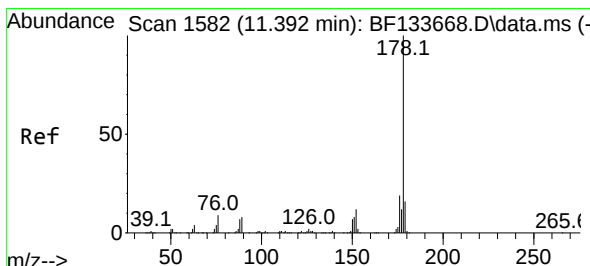
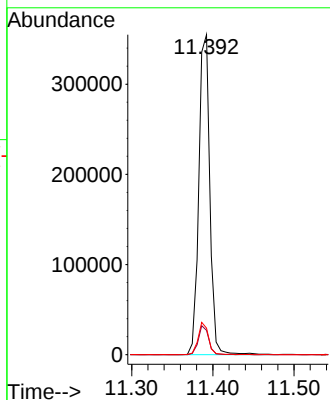
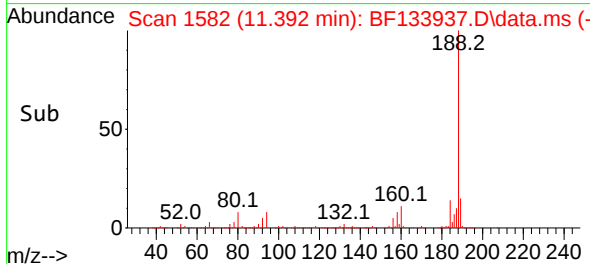
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



Tgt Ion:188 Resp: 33517
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.3 7.8 11.6

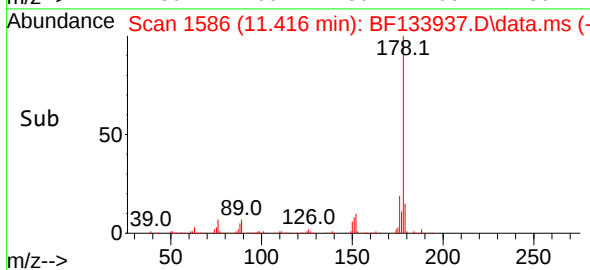
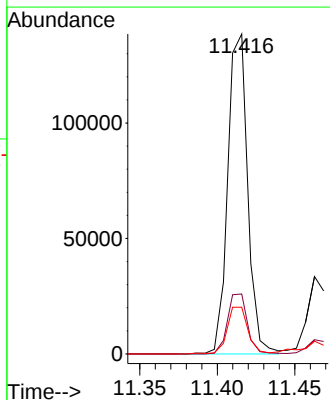
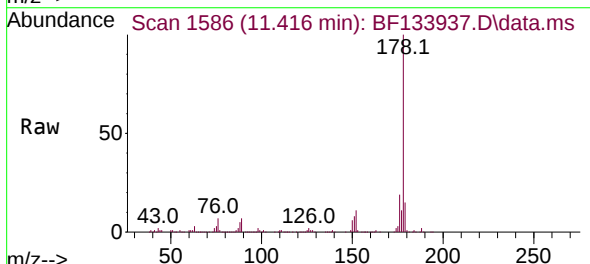
Manual Integrations
APPROVED

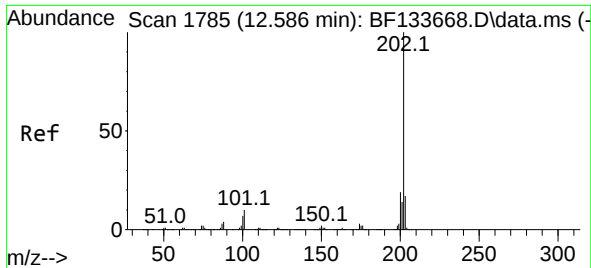
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#71
Phenanthrene
Concen: 7.298 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

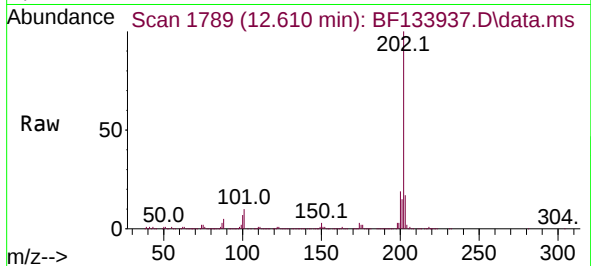
Tgt Ion:178 Resp: 124099
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.6 12.4 18.6





#75
Fluoranthene
Concen: 15.242 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

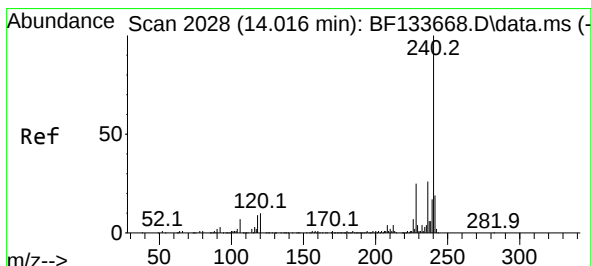
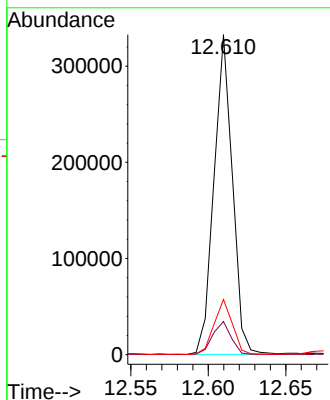
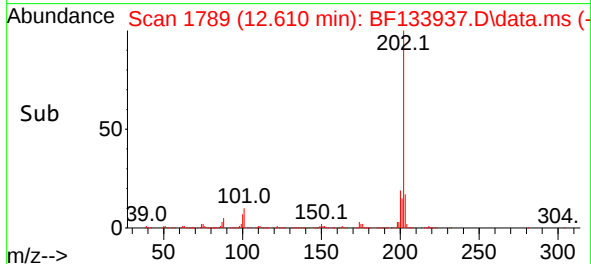
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



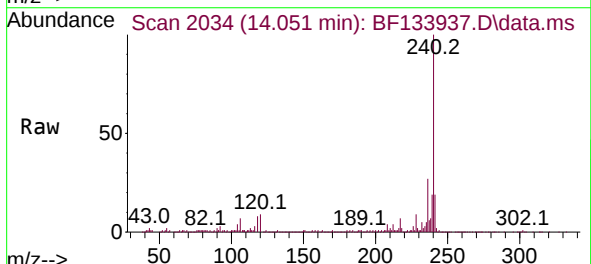
Tgt Ion:202 Resp: 275250
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.3 0.0 37.4

Manual Integrations
APPROVED

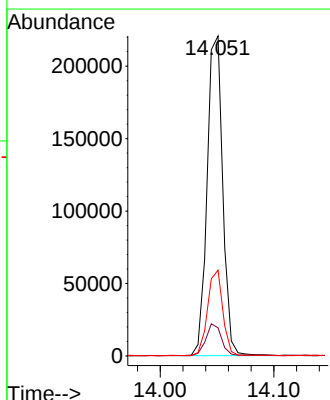
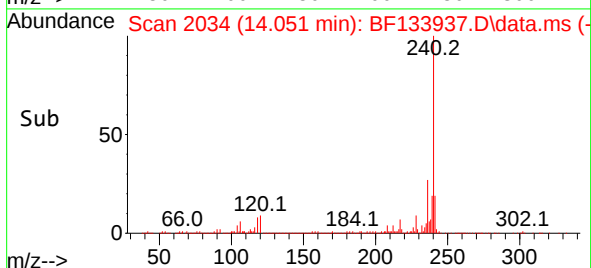
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

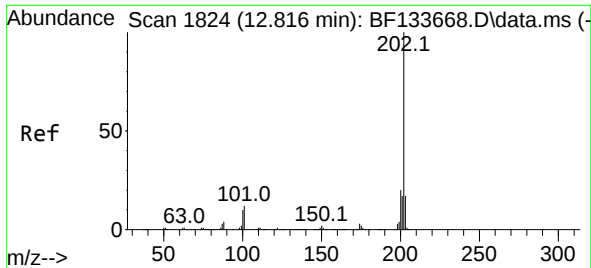


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58



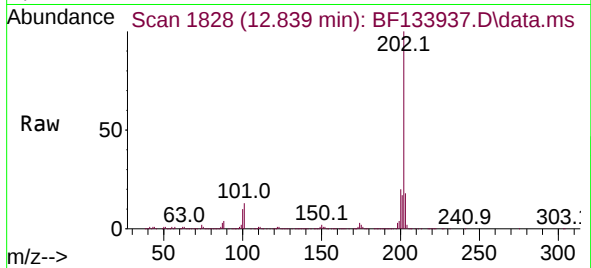
Tgt Ion:240 Resp: 210448
Ion Ratio Lower Upper
240 100
120 8.8 8.1 12.1
236 26.8 20.5 30.7





#78
Pyrene
Concen: 12.865 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58

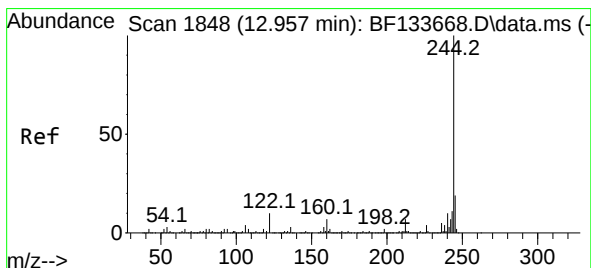
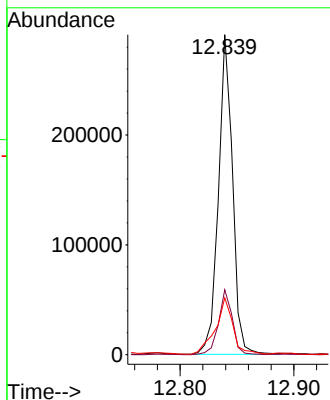
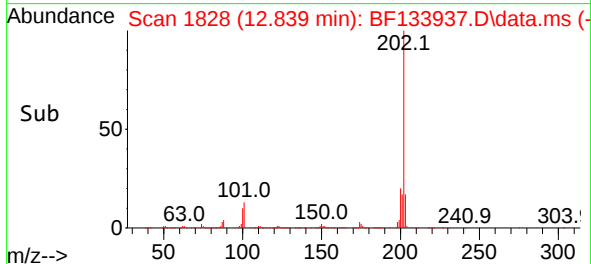
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB30-35



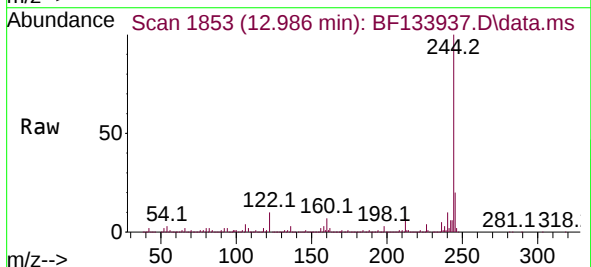
Tgt Ion:202 Resp: 252207
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.8 13.9 20.9

Manual Integrations
APPROVED

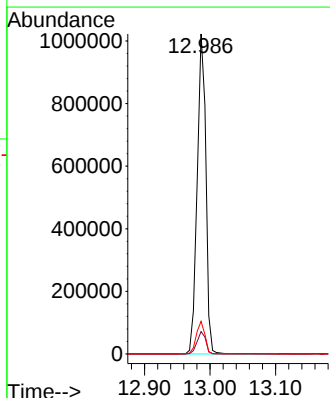
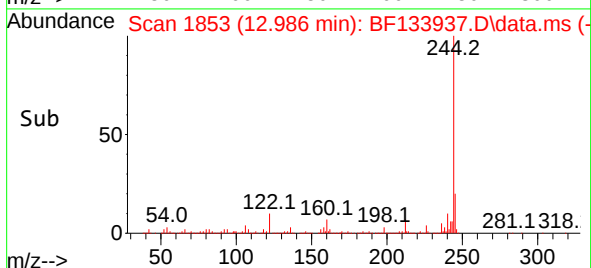
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

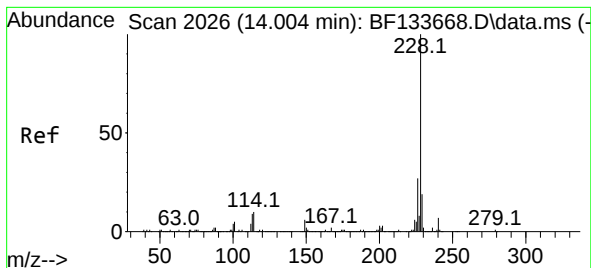


#79
Terphenyl-d14
Concen: 69.450 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133937.D
Acq: 23 Jun 2023 11:58



Tgt Ion:244 Resp: 944555
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.2 8.1 12.1





#81

Benzo(a)anthracene

Concen: 8.917 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB30-35

Tgt Ion:228 Resp: 12980

Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

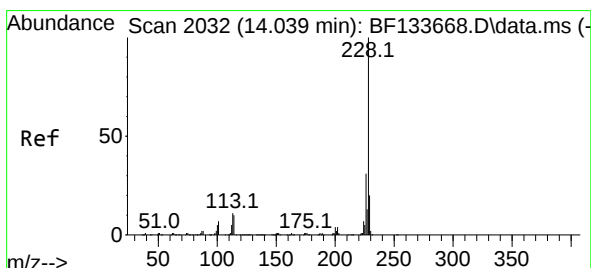
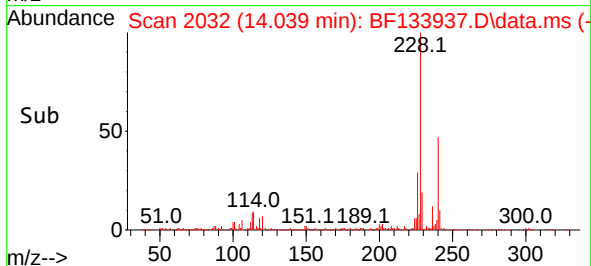
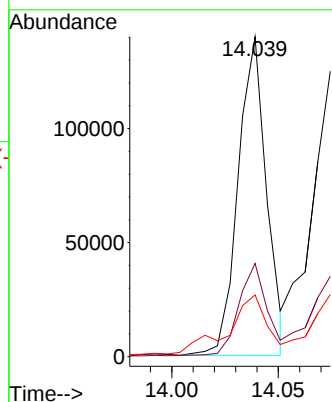
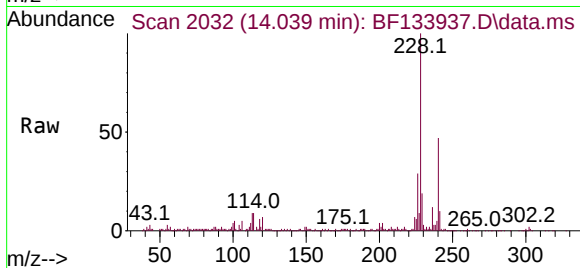
229 19.3 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#83

Chrysene

Concen: 9.023 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

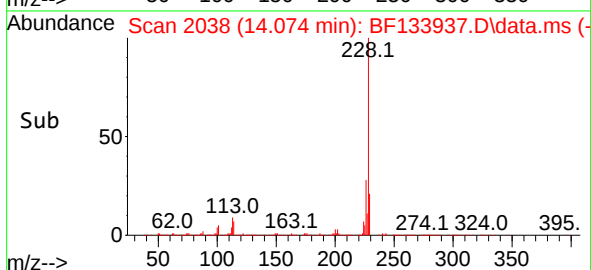
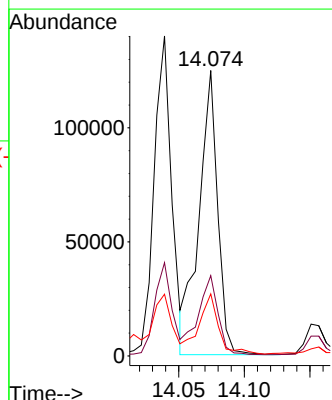
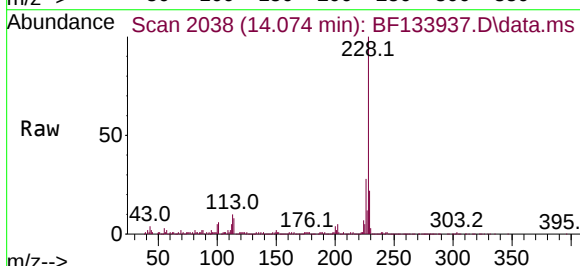
Tgt Ion:228 Resp: 124223

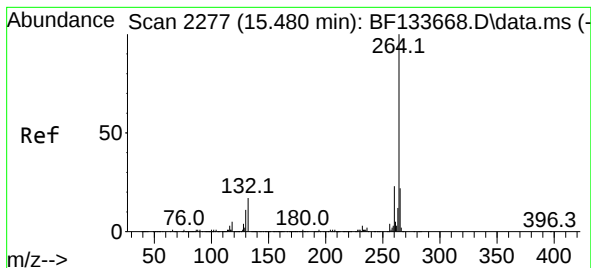
Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.6

229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21101

Delta R.T. -0.006 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB30-35

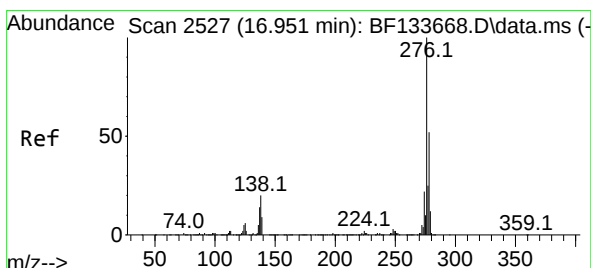
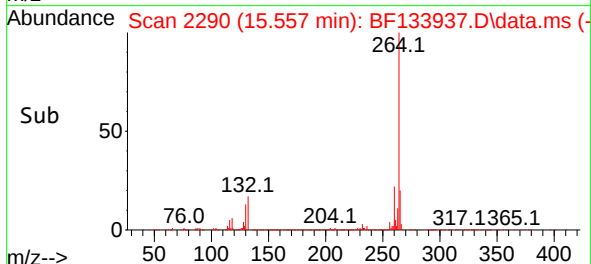
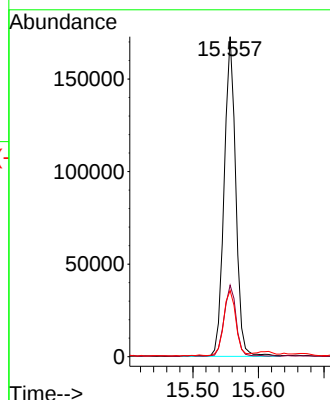
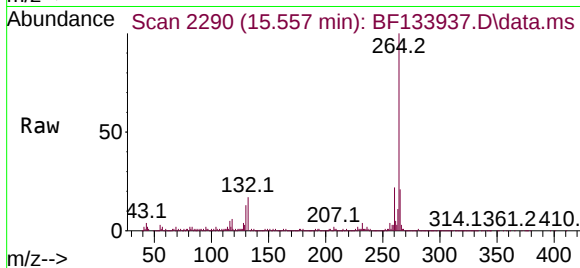
Tgt Ion:	264	Resp:	21101
Ion Ratio	Lower	Upper	
264	100		
260	22.3	18.2	27.2
265	20.6	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.087 ng

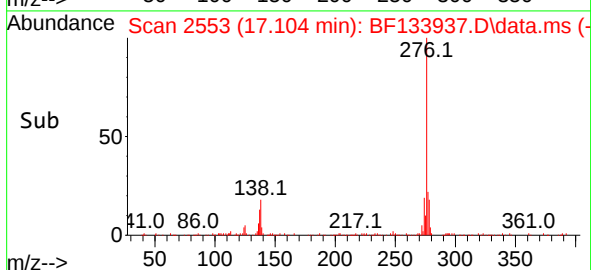
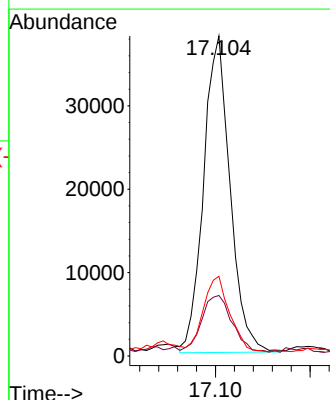
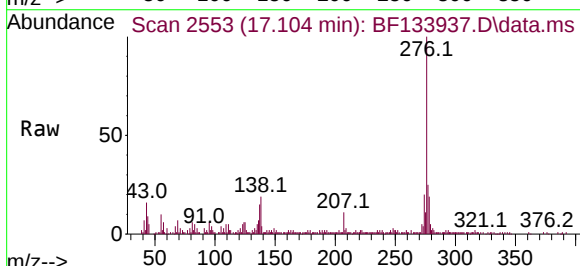
RT: 17.104 min Scan# 2553

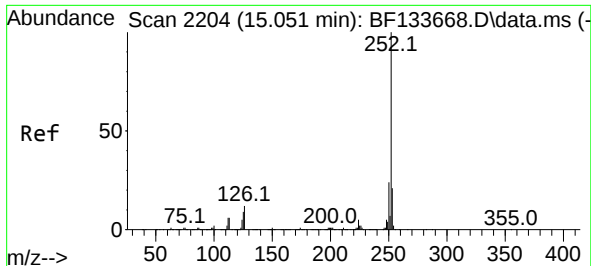
Delta R.T. -0.017 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Tgt Ion:	276	Resp:	73850
Ion Ratio	Lower	Upper	
276	100		
138	20.4	17.9	26.9
277	23.7	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 13.350 ng m

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB30-35

Tgt Ion:252 Resp: 17112

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

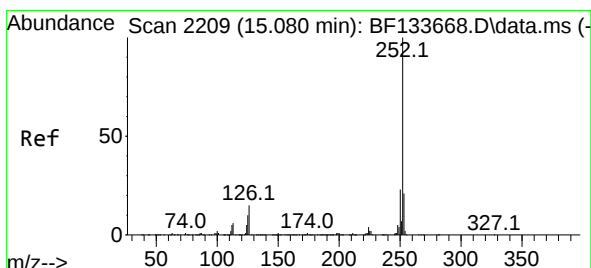
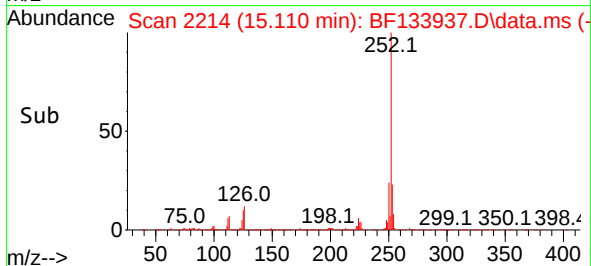
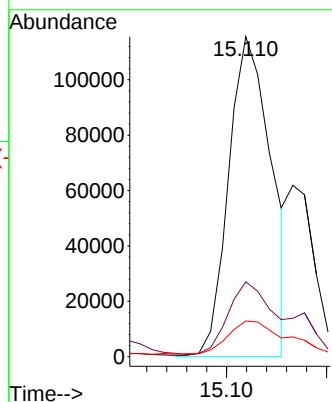
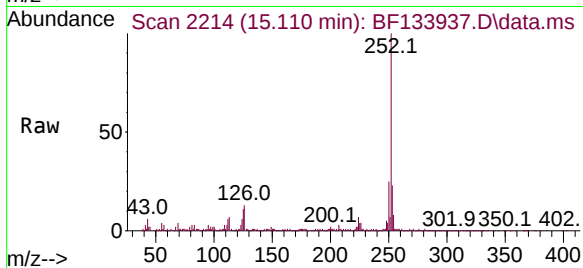
125 11.1 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#89

Benzo(k)fluoranthene

Concen: 4.392 ng m

RT: 15.133 min Scan# 2218

Delta R.T. -0.012 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

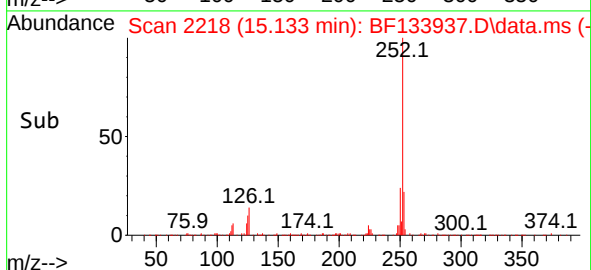
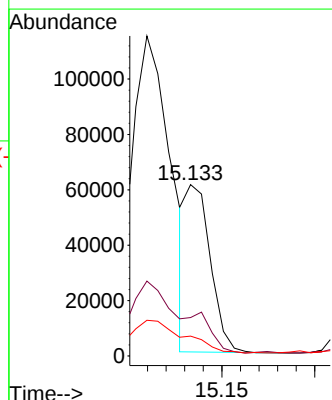
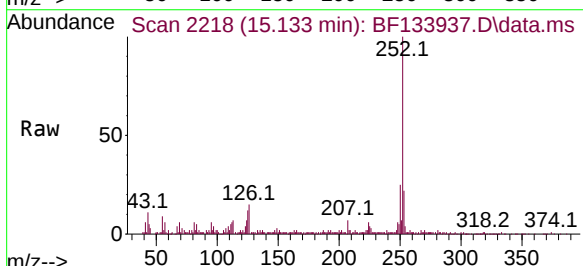
Tgt Ion:252 Resp: 54837

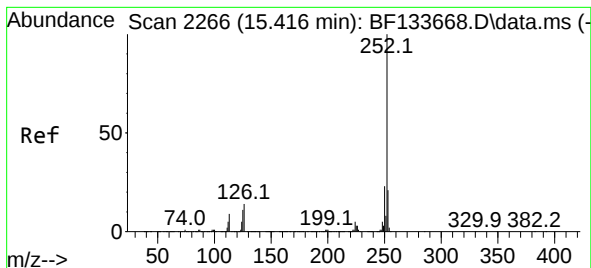
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.6 7.8 11.6





#90

Benzo(a)pyrene

Concen: 9.798 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB30-35

Tgt Ion:252 Resp: 11656

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

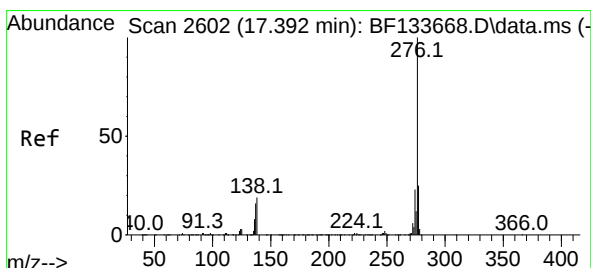
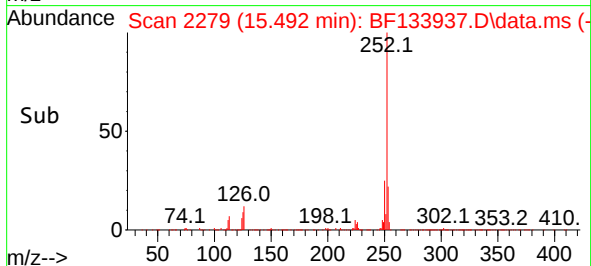
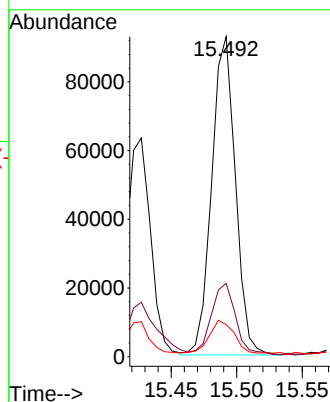
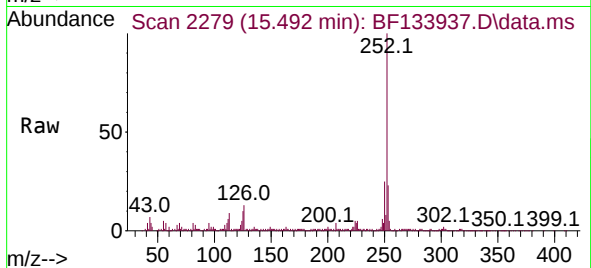
125 10.1 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#92

Benzo(g,h,i)perylene

Concen: 5.901 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.023 min

Lab File: BF133937.D

Acq: 23 Jun 2023 11:58

Tgt Ion:276 Resp: 70322

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 23.3 15.0 22.4#

