

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133944.D
 Acq On : 23 Jun 2023 15:43
 Operator : CG\JU
 Sample : 03328-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW04-0-8

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 17:21:43 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	6.863	152	97080	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	345842	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	148721	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	258983	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157665	20.000	ng	0.00
86) Perylene-d12	15.568	264	132269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	247450	44.374	ng	0.00
7) Phenol-d6	6.493	99	287273	39.577	ng	0.00
23) Nitrobenzene-d5	7.416	82	181661	28.610	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	68153	36.203	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	344643	32.942	ng	0.00
79) Terphenyl-d14	12.992	244	313578	30.775	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.451	166	25522	2.495	ng	98
71) Phenanthrene	11.422	178	471916	35.916	ng	99
72) Anthracene	11.469	178	121444	8.864	ng	99
73) Carbazole	11.628	167	55669	4.363	ng	96
75) Fluoranthene	12.622	202	904660	64.835	ng	100
78) Pyrene	12.851	202	712232	48.494	ng	98
81) Benzo(a)anthracene	14.045	228	380676	34.906	ng	98
83) Chrysene	14.080	228	313139	30.358	ng	96
87) Indeno(1,2,3-cd)pyrene	17.121	276	131415	14.442	ng	97
88) Benzo(b)fluoranthene	15.121	252	349773m	43.532	ng	
89) Benzo(k)fluoranthene	15.151	252	117729m	15.042	ng	
90) Benzo(a)pyrene	15.504	252	221713	29.733	ng	98
91) Dibenzo(a,h)anthracene	17.139	278	35133	4.664	ng	# 91
92) Benzo(g,h,i)perylene	17.598	276	121067	16.208	ng	97

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

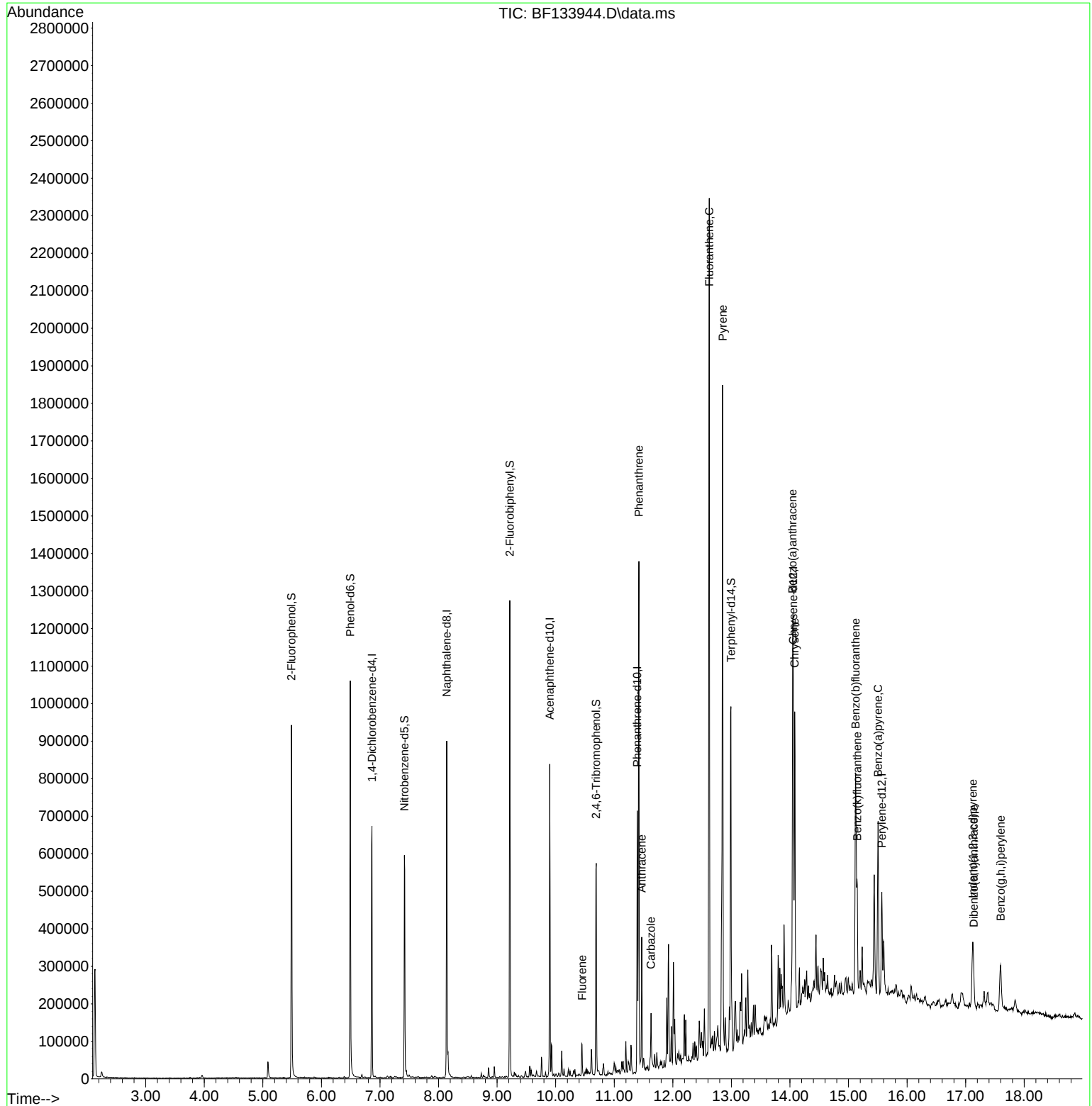
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133944.D
Acq On : 23 Jun 2023 15:43
Operator : CG\JU
Sample : 03328-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

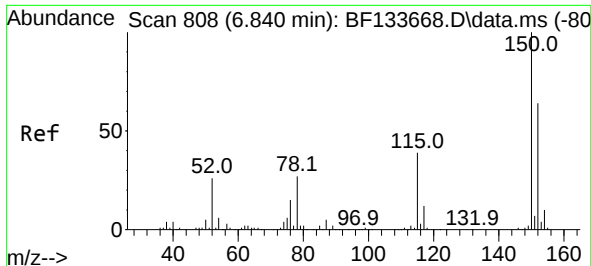
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8

Quant Time: Jun 23 17:21:43 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

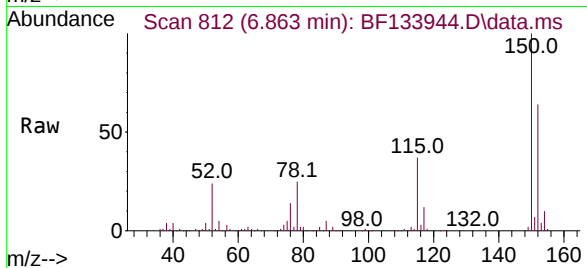
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

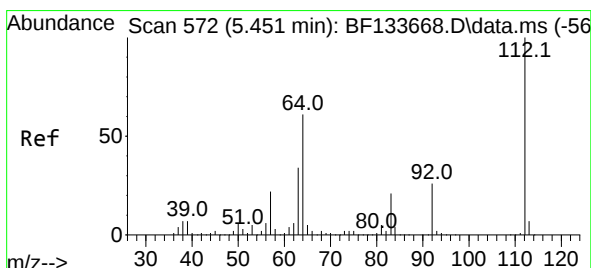
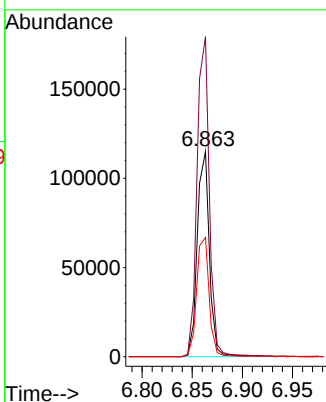
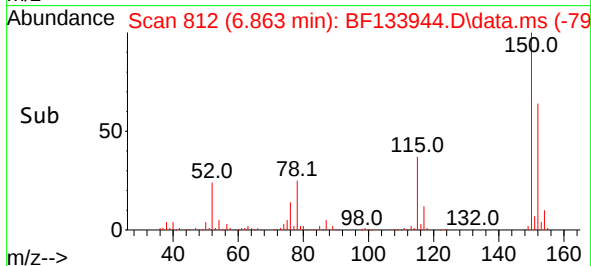
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8



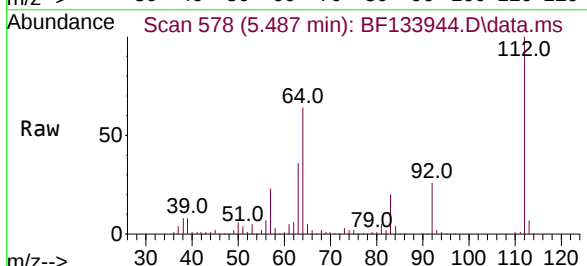
Tgt Ion:152 Resp: 97080
Ion Ratio Lower Upper
152 100
150 155.8 124.3 186.5
115 58.1 48.5 72.7

Manual Integrations
APPROVED

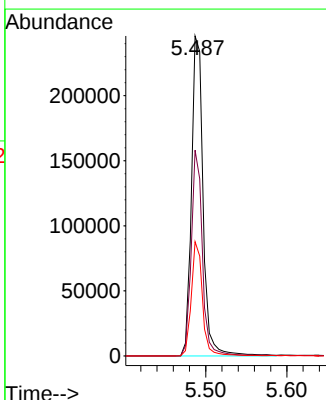
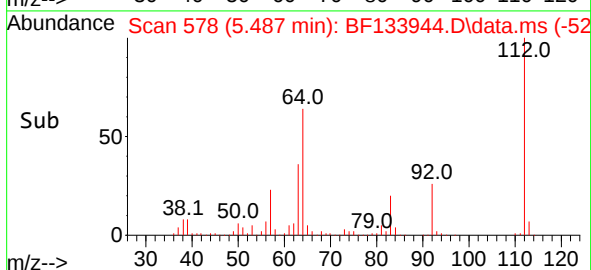
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

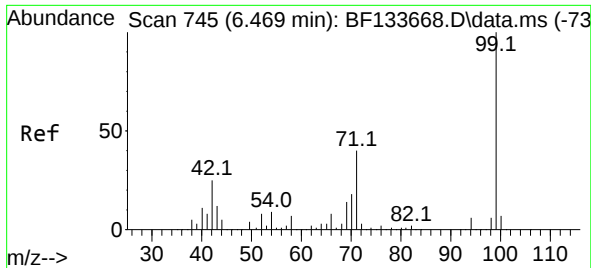


#5
2-Fluorophenol
Concen: 44.374 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43



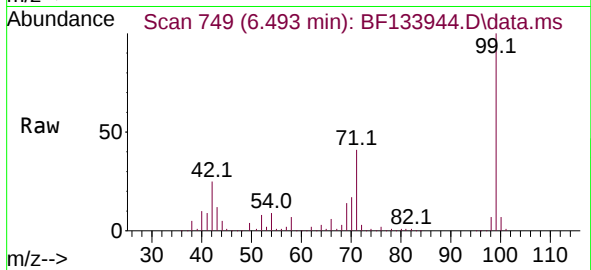
Tgt Ion:112 Resp: 247450
Ion Ratio Lower Upper
112 100
64 64.3 49.0 73.4
63 35.7 26.8 40.2





#7
Phenol-d6
Concen: 39.577 ng
RT: 6.493 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

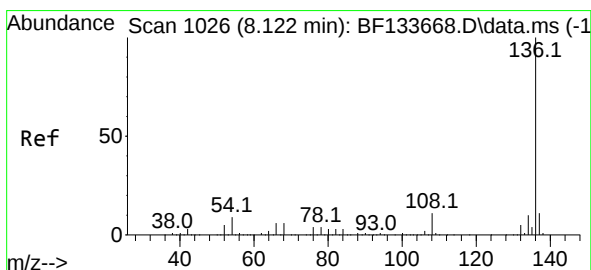
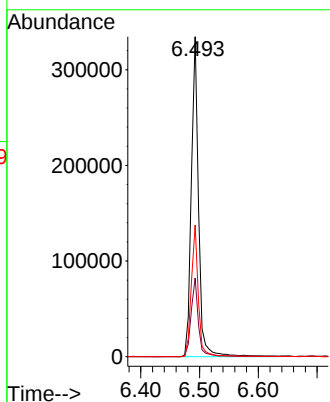
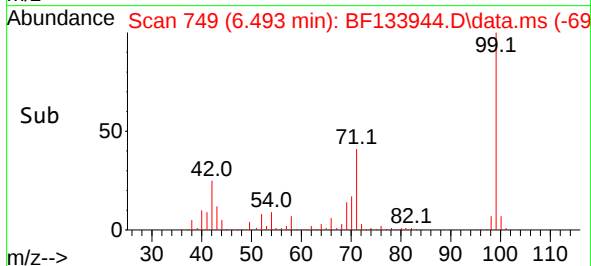
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8



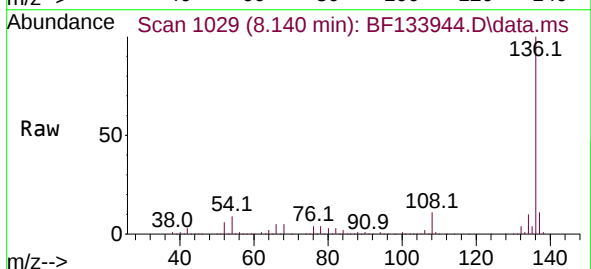
Tgt Ion: 99 Resp: 28727
Ion Ratio Lower Upper
99 100
42 24.6 19.9 29.9
71 41.1 32.2 48.4

Manual Integrations
APPROVED

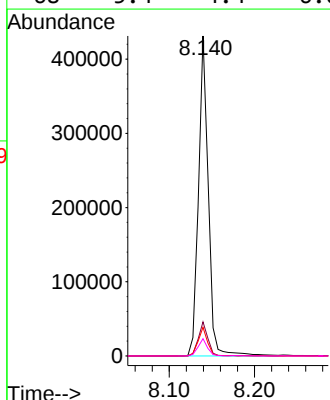
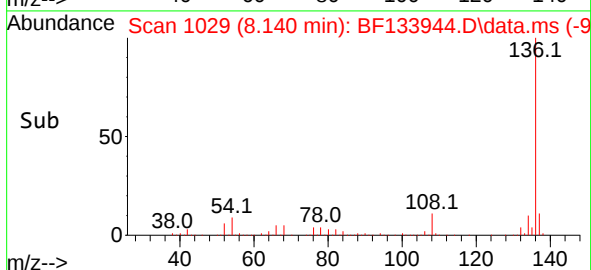
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

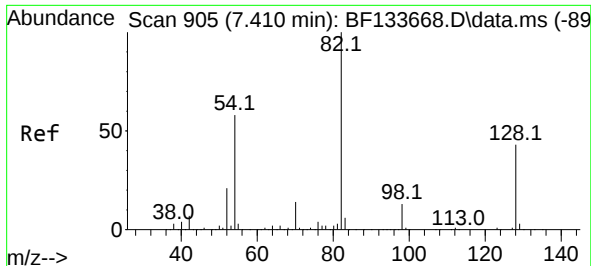


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43



Tgt Ion:136 Resp: 345842
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.9 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 28.610 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW04-0-8

Tgt Ion: 82 Resp: 18166

Ion Ratio Lower Upper

82 100

128 41.3 34.2 51.2

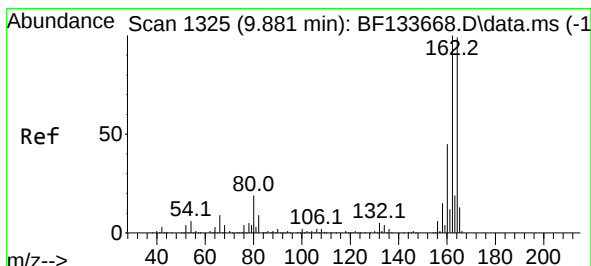
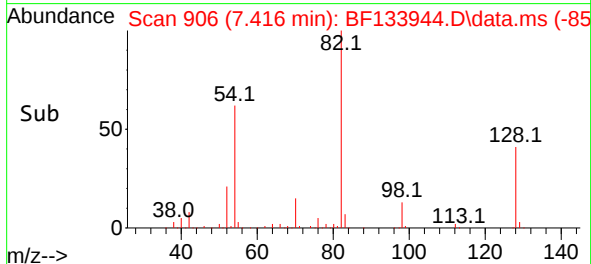
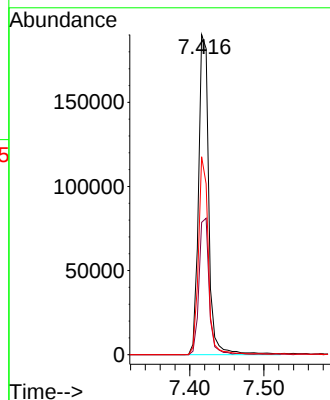
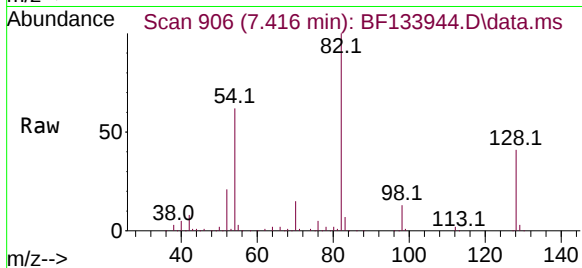
54 61.9 46.5 69.7

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: BF133944.D

Acq: 23 Jun 2023 15:43

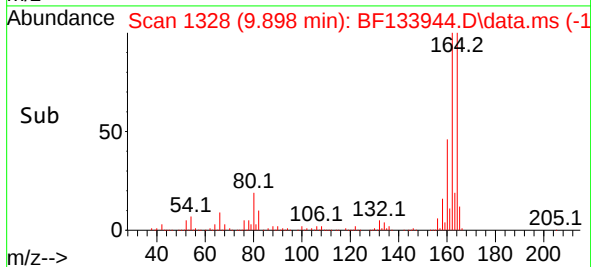
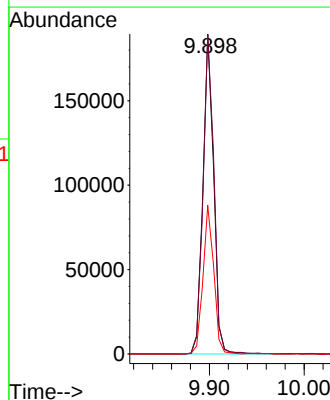
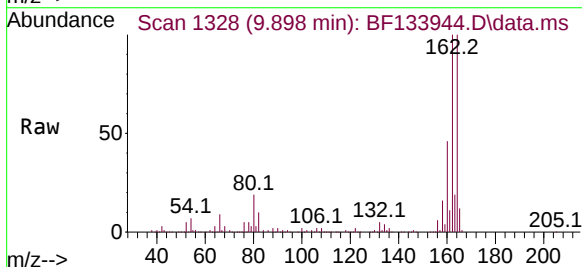
Tgt Ion:164 Resp: 148721

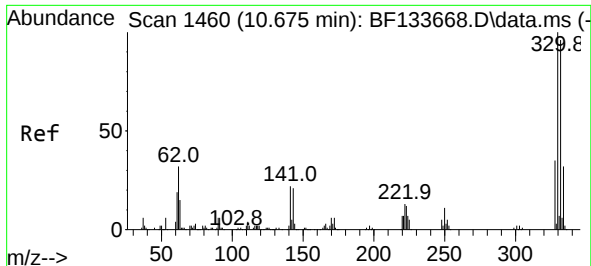
Ion Ratio Lower Upper

164 100

162 99.8 80.8 121.2

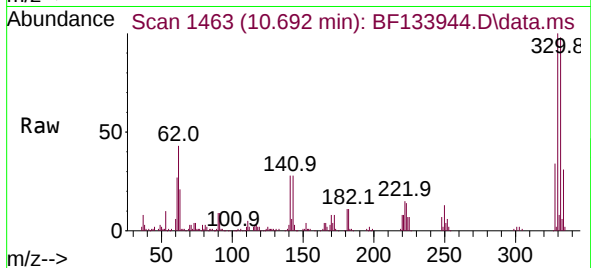
160 46.5 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 36.203 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

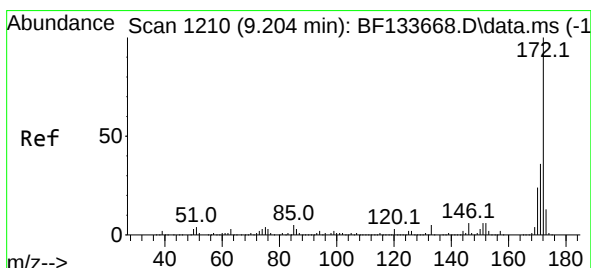
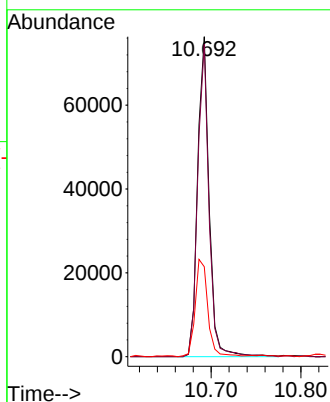
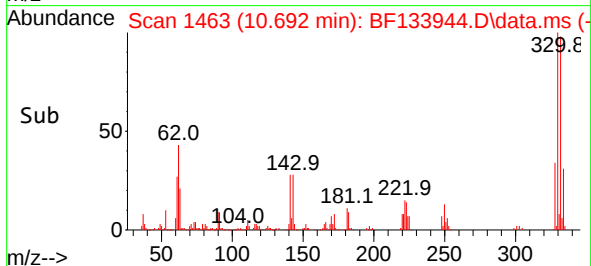
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8



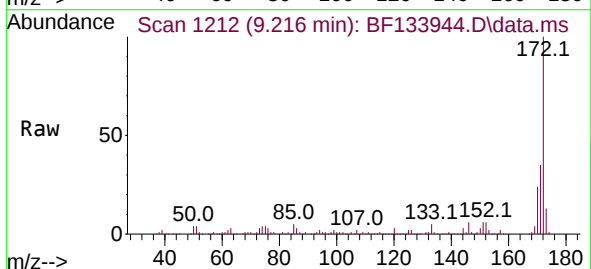
Tgt Ion: 330 Resp: 6815
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 33.3 24.9 37.3

Manual Integrations
APPROVED

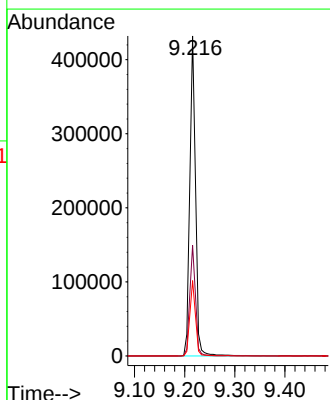
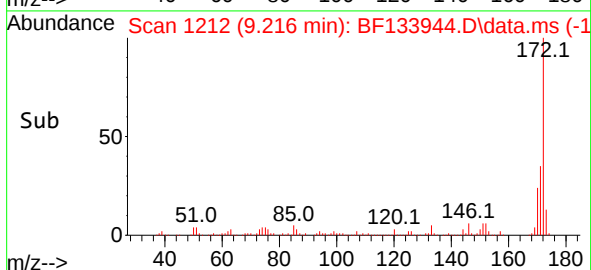
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

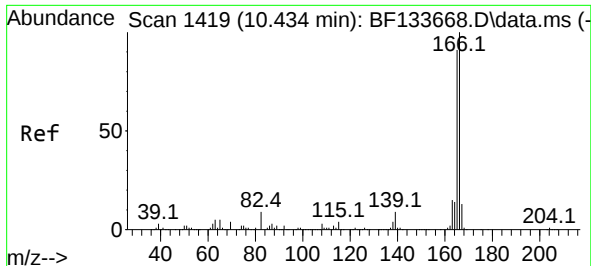


#45
2-Fluorobiphenyl
Concen: 32.942 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43



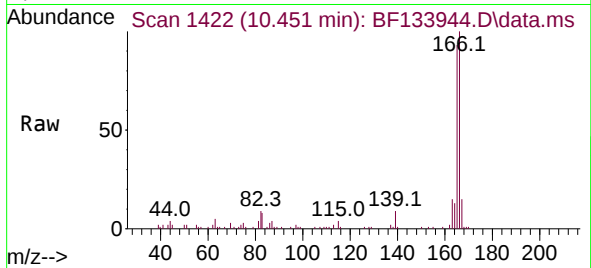
Tgt Ion: 172 Resp: 344643
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 23.6 19.1 28.7





#58
Fluorene
Concen: 2.495 ng
RT: 10.451 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

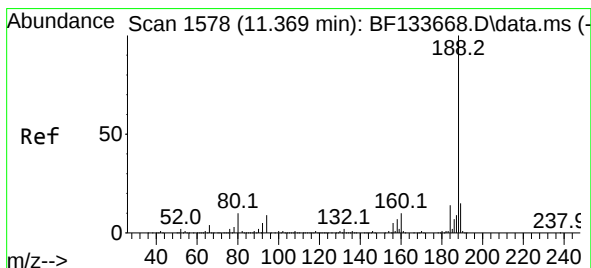
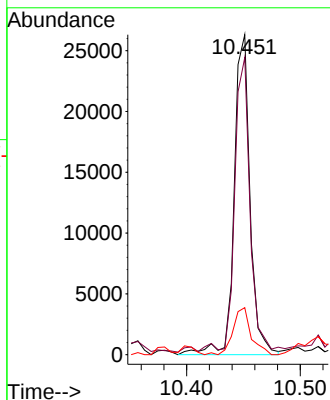
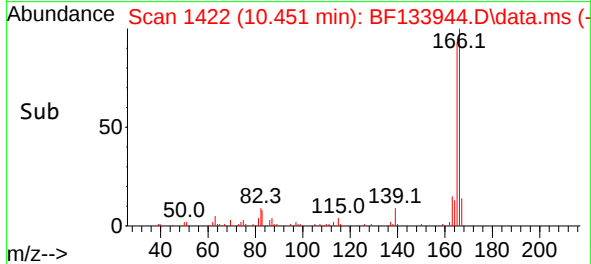
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8



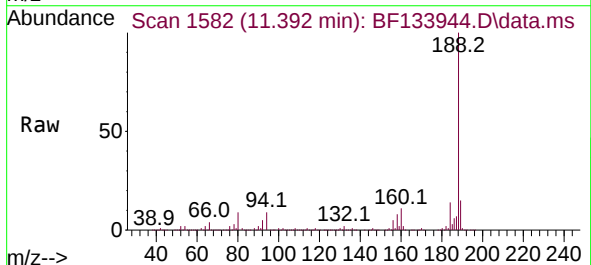
Tgt Ion:166 Resp: 2552
Ion Ratio Lower Upper
166 100
165 92.9 73.1 109.7
167 14.7 10.5 15.7

Manual Integrations
APPROVED

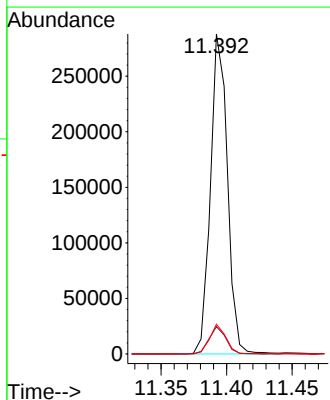
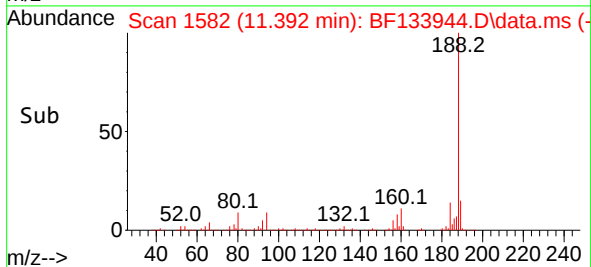
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

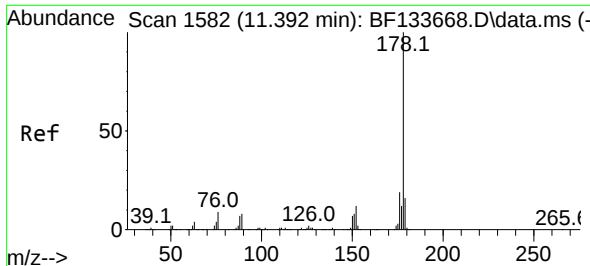


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43



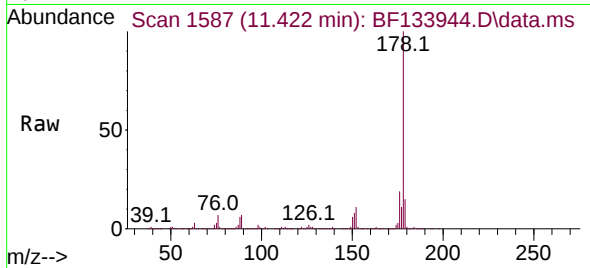
Tgt Ion:188 Resp: 258983
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.3 7.8 11.6





#71
Phenanthrene
Concen: 35.916 ng
RT: 11.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

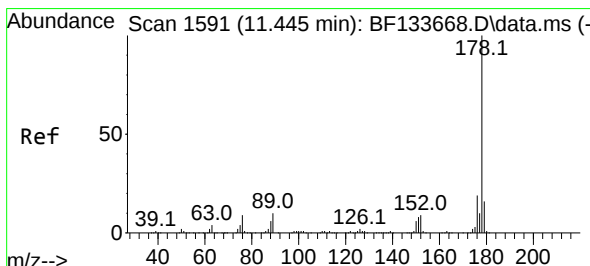
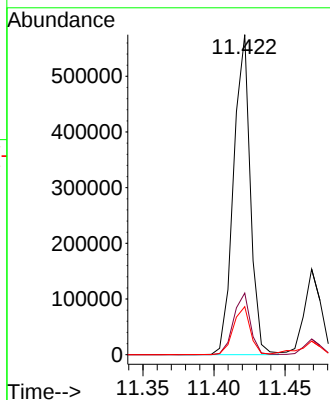
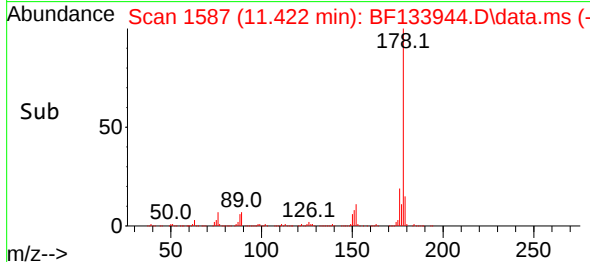
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8



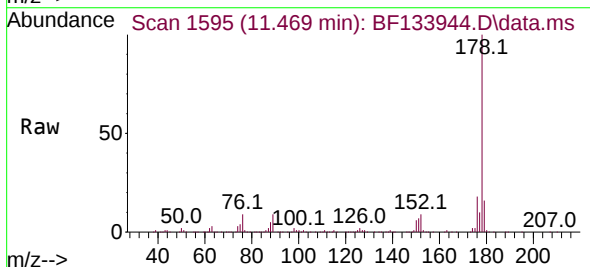
Tgt Ion:178 Resp: 471910
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.4 18.6

Manual Integrations
APPROVED

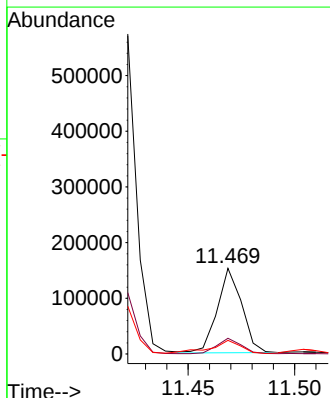
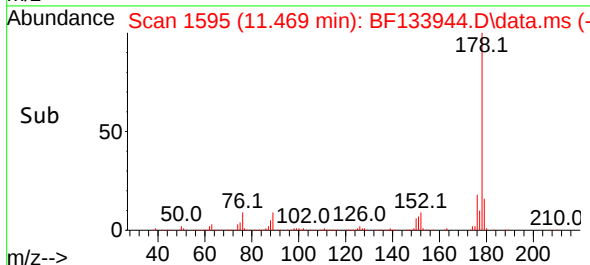
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

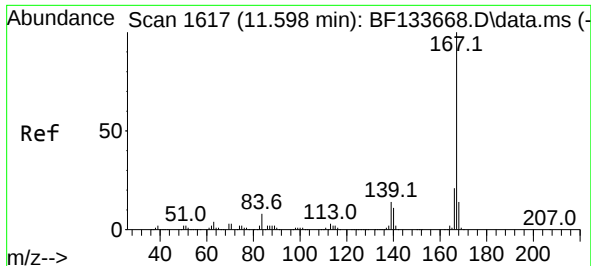


#72
Anthracene
Concen: 8.864 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43



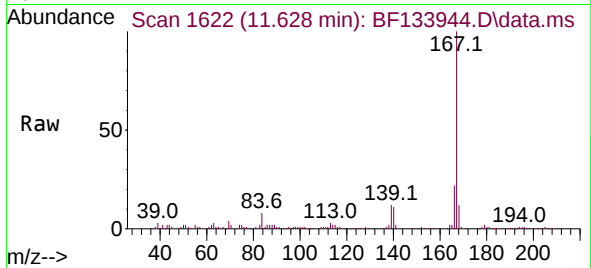
Tgt Ion:178 Resp: 121444
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.9 12.6 18.8





#73
 Carbazole
 Concen: 4.363 ng
 RT: 11.628 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF133944.D
 Acq: 23 Jun 2023 15:43

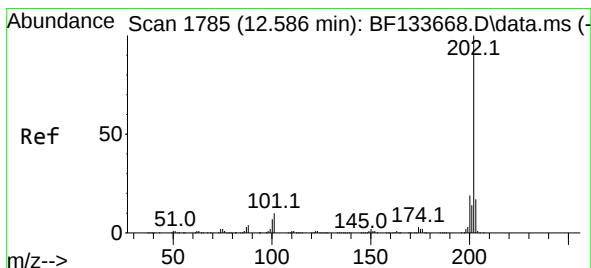
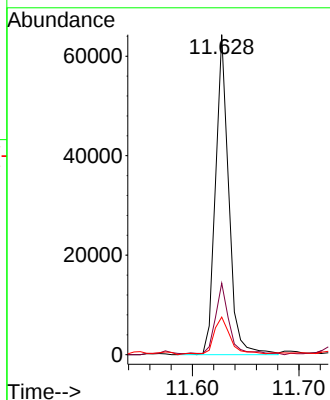
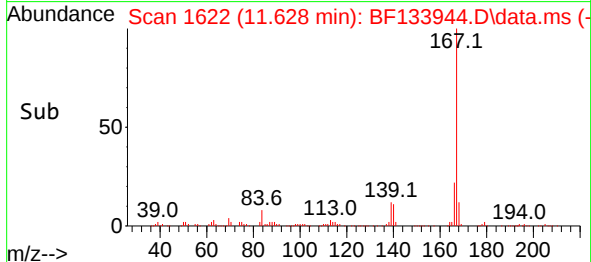
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW04-0-8



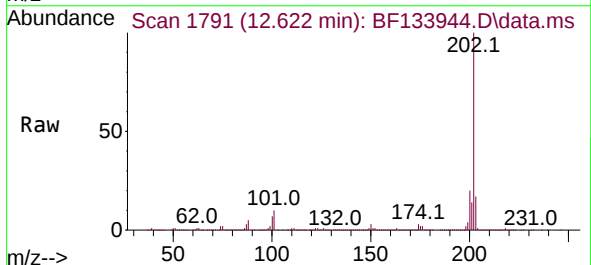
Tgt Ion:167 Resp: 5566
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.6
 139 11.8 11.2 16.8

Manual Integrations
 APPROVED

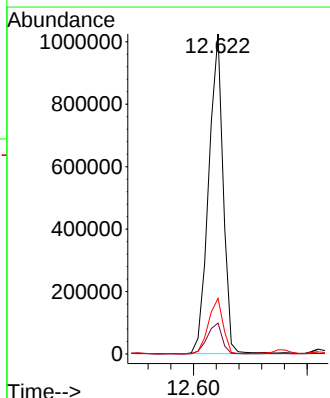
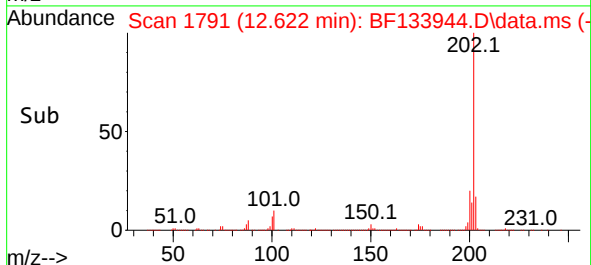
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

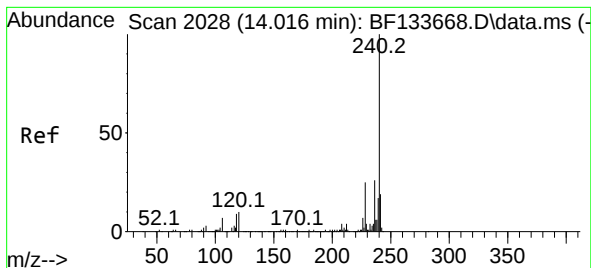


#75
 Fluoranthene
 Concen: 64.835 ng
 RT: 12.622 min Scan# 1791
 Delta R.T. 0.006 min
 Lab File: BF133944.D
 Acq: 23 Jun 2023 15:43



Tgt Ion:202 Resp: 904660
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.6
 203 17.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW04-0-8

Tgt Ion:240 Resp: 15766

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

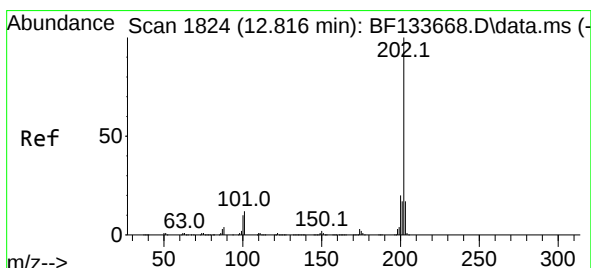
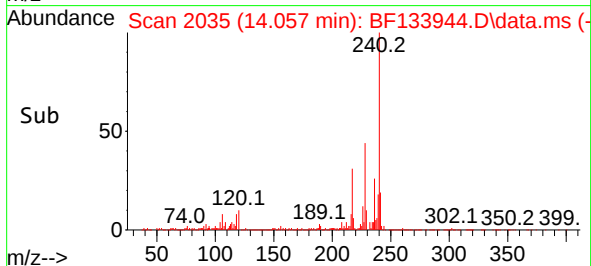
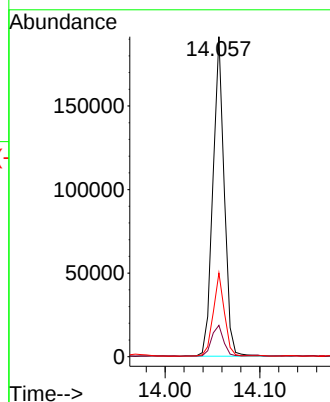
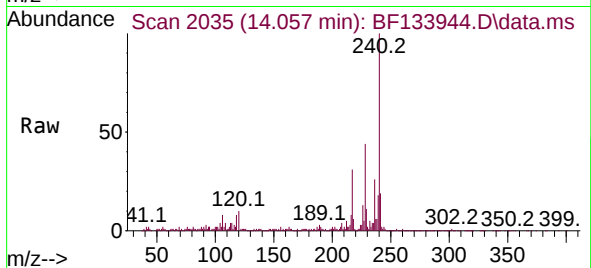
236 26.2 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#78

Pyrene

Concen: 48.494 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

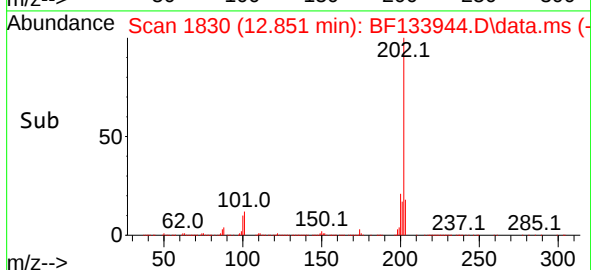
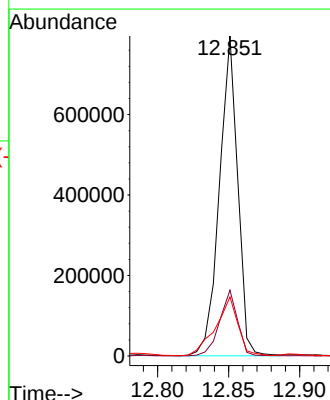
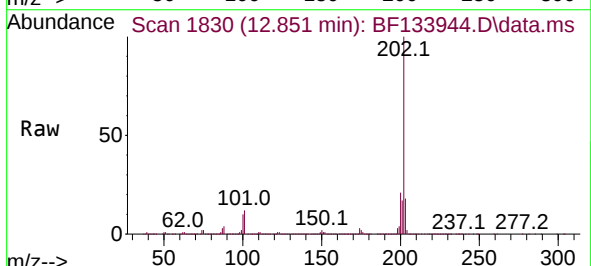
Tgt Ion:202 Resp: 712232

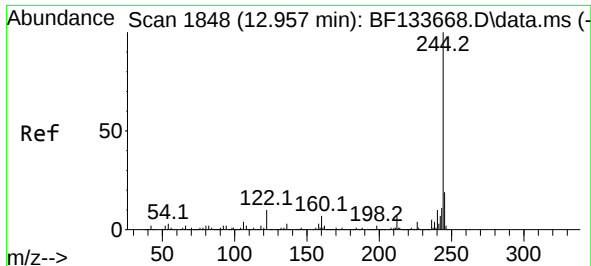
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 18.5 13.9 20.9





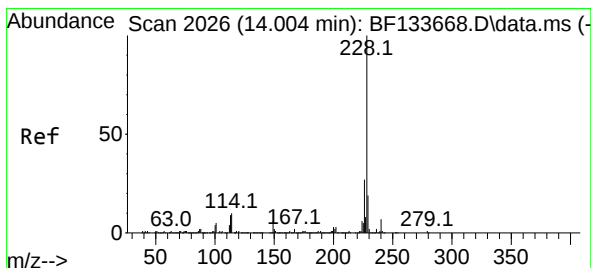
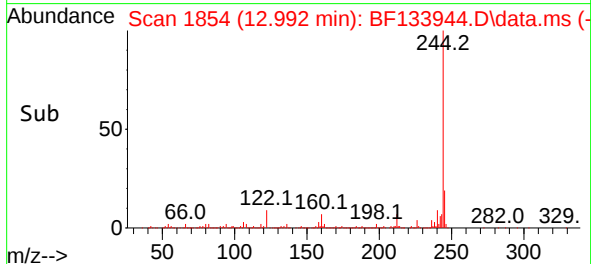
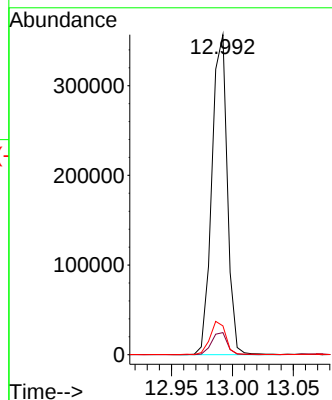
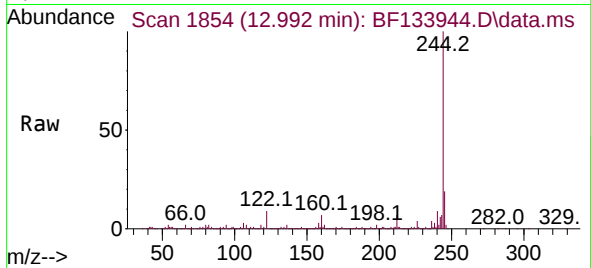
#79
 Terphenyl-d14
 Concen: 30.775 ng
 RT: 12.992 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133944.D
 Acq: 23 Jun 2023 15:43

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW04-0-8

Tgt Ion:244 Resp: 313578
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 9.0 8.1 12.1

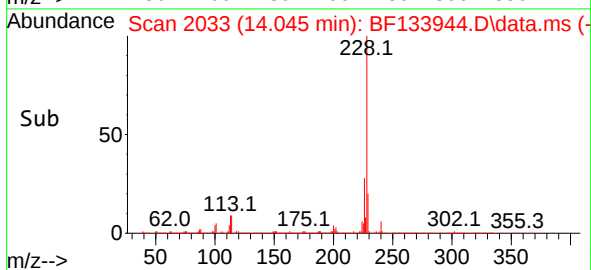
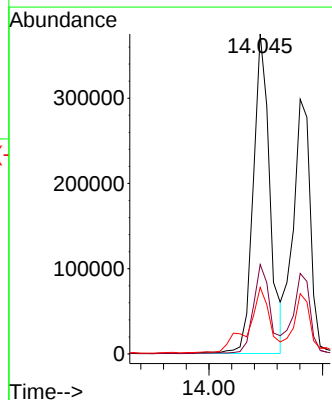
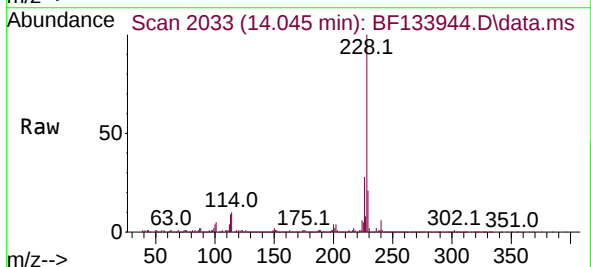
Manual Integrations
 APPROVED

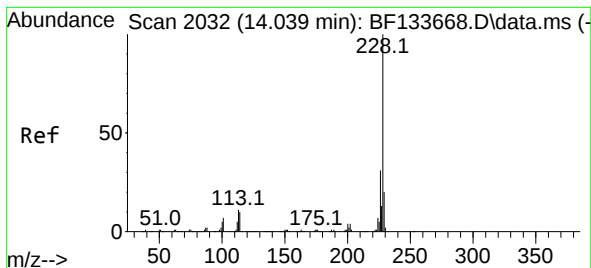
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#81
 Benzo(a)anthracene
 Concen: 34.906 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: BF133944.D
 Acq: 23 Jun 2023 15:43

Tgt Ion:228 Resp: 380676
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 30.358 ng

RT: 14.080 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW04-0-8

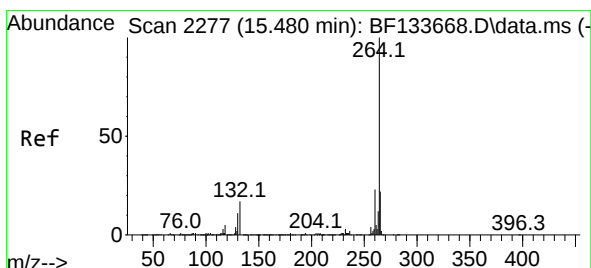
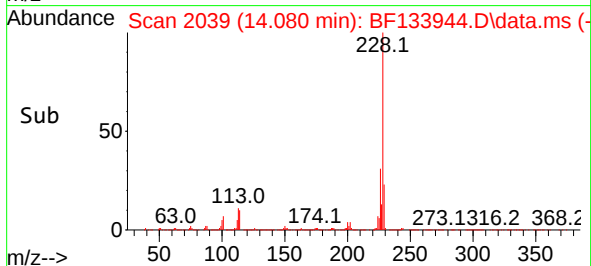
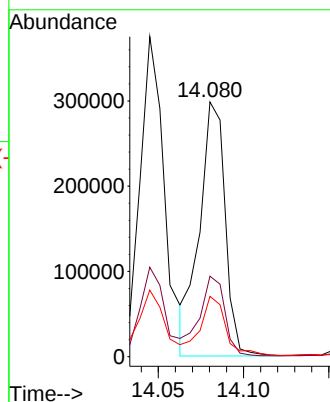
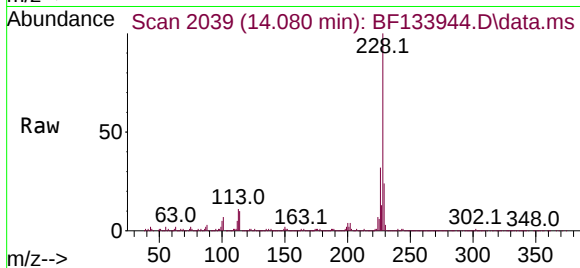
Tgt Ion:228	Resp: 313139
Ion Ratio	Lower Upper
228 100	
226 31.6	25.0 37.6
229 23.7	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#86

Perylene-d12

Concen: 20.000 ng

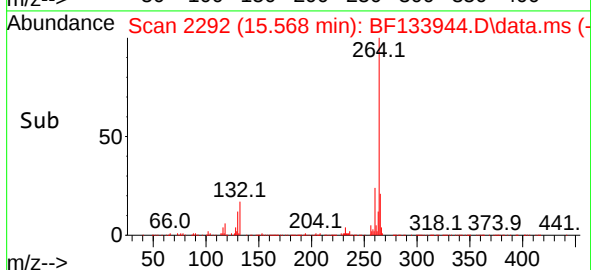
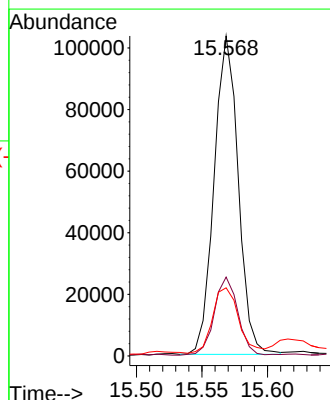
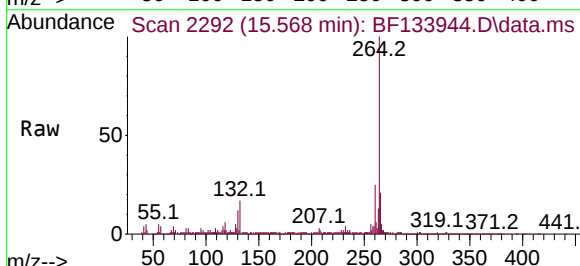
RT: 15.568 min Scan# 2292

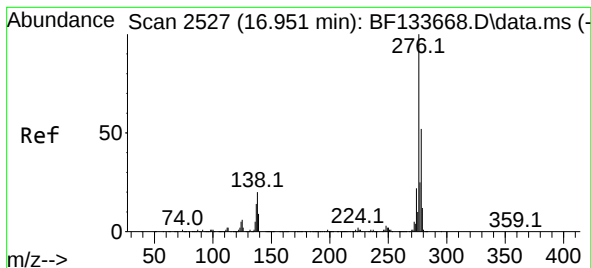
Delta R.T. 0.006 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Tgt Ion:264	Resp: 132269
Ion Ratio	Lower Upper
264 100	
260 24.6	18.2 27.2
265 21.3	17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.442 ng

RT: 17.121 min Scan# 2116

Delta R.T. 0.000 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

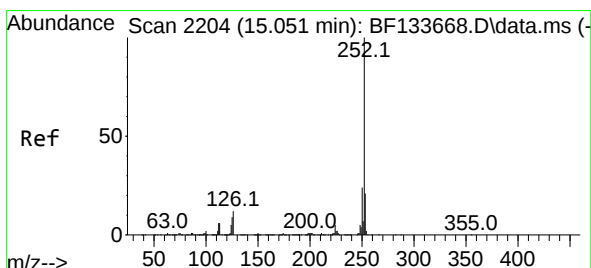
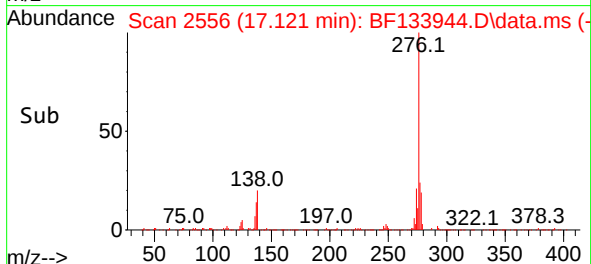
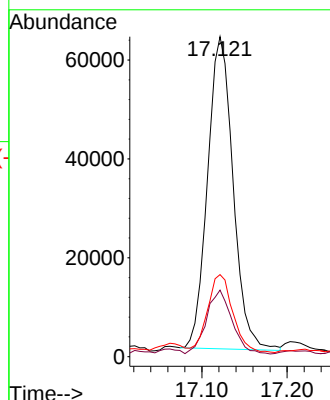
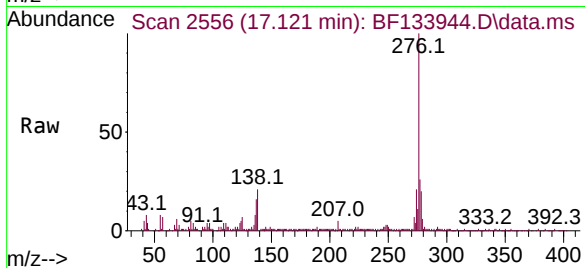
COMPOSIT-SW04-0-8

Tgt Ion:276 Resp: 131415
 Ion Ratio Lower Upper
 276 100
 138 20.4 17.9 26.9
 277 24.8 20.3 30.5

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 43.532 ng m

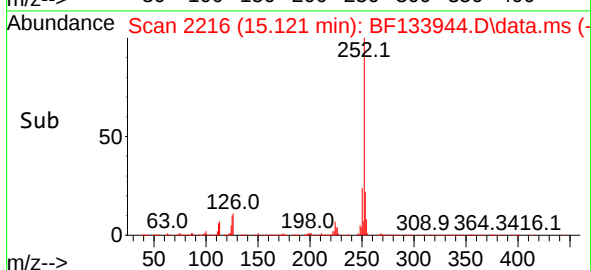
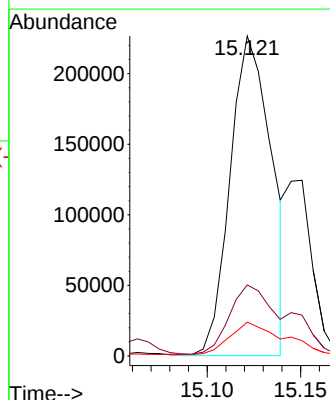
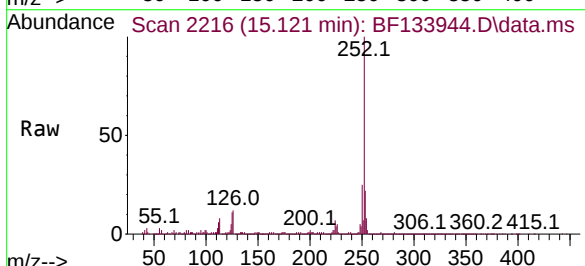
RT: 15.121 min Scan# 2216

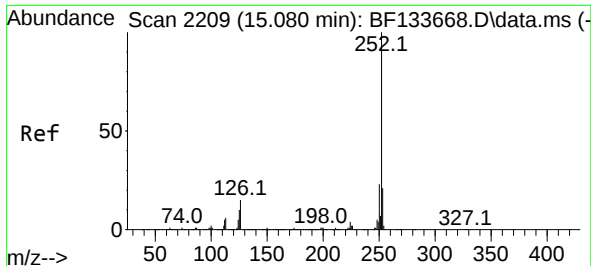
Delta R.T. 0.006 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Tgt Ion:252 Resp: 349773
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.0 25.6
 125 10.6 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 15.042 ng m

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW04-0-8

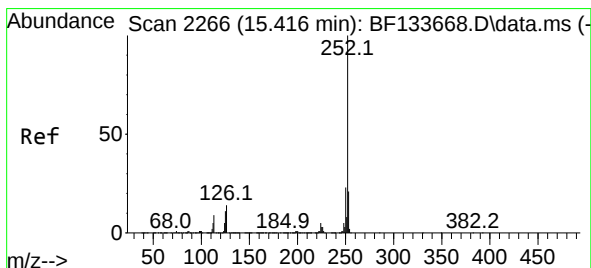
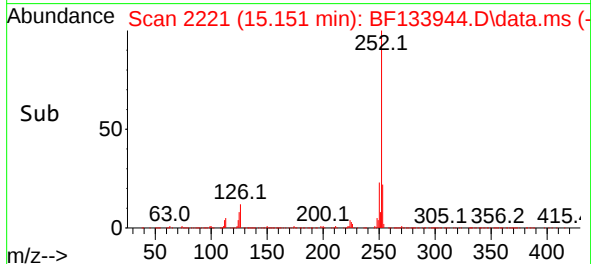
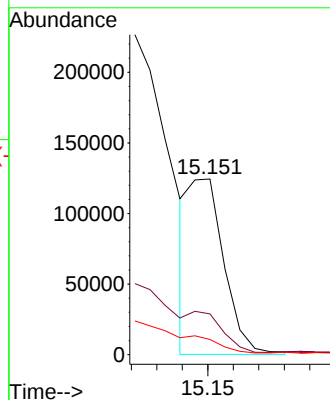
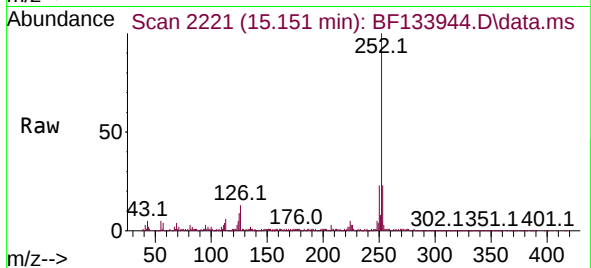
Tgt Ion:252 Resp: 117729
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.4
 125 8.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#90

Benzo(a)pyrene

Concen: 29.733 ng

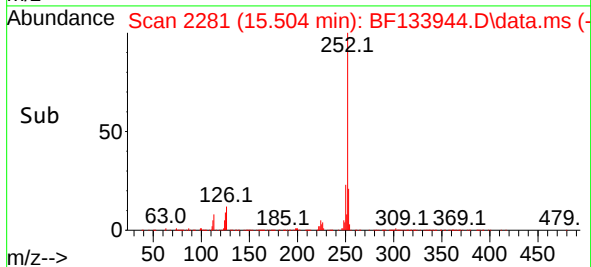
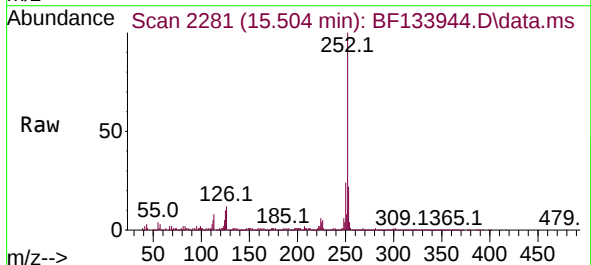
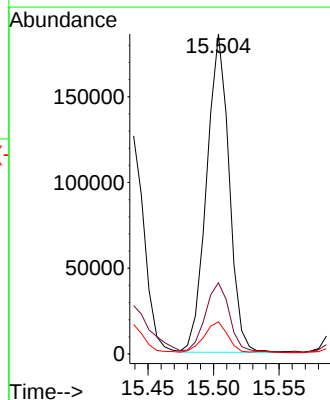
RT: 15.504 min Scan# 2281

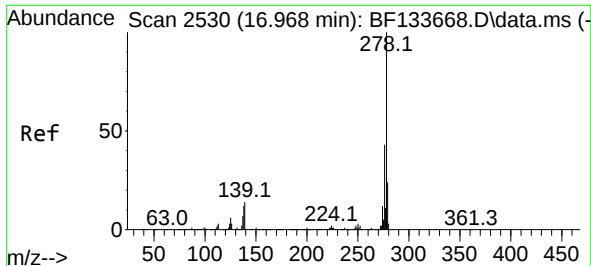
Delta R.T. 0.006 min

Lab File: BF133944.D

Acq: 23 Jun 2023 15:43

Tgt Ion:252 Resp: 221713
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.1 25.7
 125 10.0 8.6 13.0





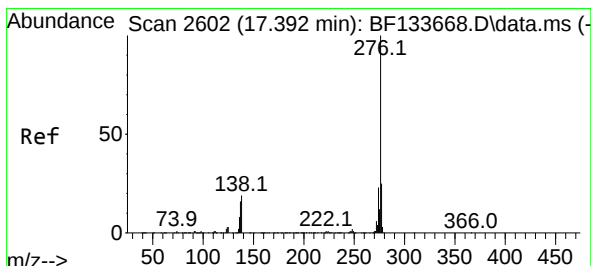
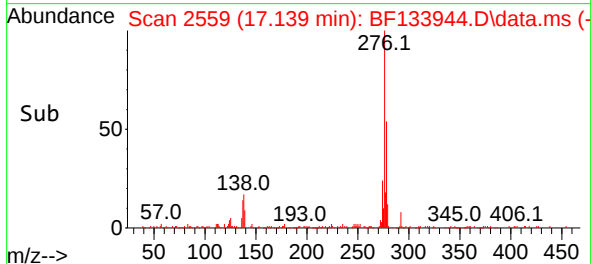
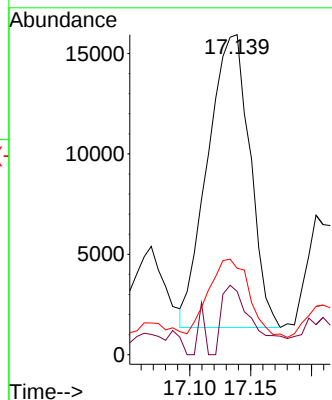
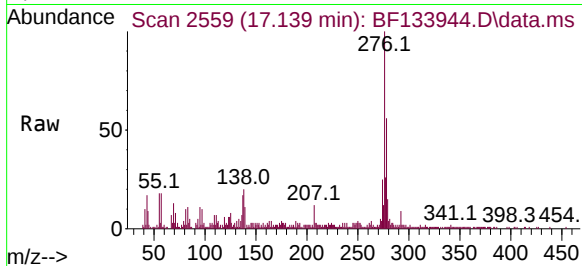
#91
Dibenzo(a,h)anthracene
Concen: 4.664 ng
RT: 17.139 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW04-0-8

Tgt Ion:278 Resp: 3513
Ion Ratio Lower Upper
278 100
139 19.7 11.4 17.2
279 27.0 19.0 28.4

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 16.208 ng
RT: 17.598 min Scan# 2637
Delta R.T. 0.006 min
Lab File: BF133944.D
Acq: 23 Jun 2023 15:43

Tgt Ion:276 Resp: 121067
Ion Ratio Lower Upper
276 100
277 22.8 19.8 29.8
138 18.3 15.0 22.4

