

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133922.D
 Acq On : 23 Jun 2023 02:33
 Operator : CG\JU
 Sample : 03327-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-03

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 05:06:51 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	105758	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	411256	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	204608	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	371408	20.000	ng	0.00
76) Chrysene-d12	14.045	240	208324	20.000	ng	-0.01
86) Perylene-d12	15.557	264	220761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	807475	132.920	ng	0.00
7) Phenol-d6	6.498	99	999208	126.362	ng	0.00
23) Nitrobenzene-d5	7.422	82	679878	90.043	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	315851	121.951	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1276974	88.718	ng	0.00
79) Terphenyl-d14	12.986	244	1204320	89.452	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	336588	17.862	ng	98
72) Anthracene	11.463	178	76426	3.890	ng	98
75) Fluoranthene	12.610	202	563286	28.150	ng	99
78) Pyrene	12.839	202	513078	26.439	ng	99
81) Benzo(a)anthracene	14.033	228	241203	16.739	ng	96
83) Chrysene	14.074	228	221537	16.255	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	128528	8.463	ng	96
88) Benzo(b)fluoranthene	15.110	252	293671m	21.899	ng	
89) Benzo(k)fluoranthene	15.133	252	95425m	7.305	ng	
90) Benzo(a)pyrene	15.492	252	210324	16.899	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	33335m	2.651	ng	
92) Benzo(g,h,i)perylene	17.568	276	115949	9.301	ng	96

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

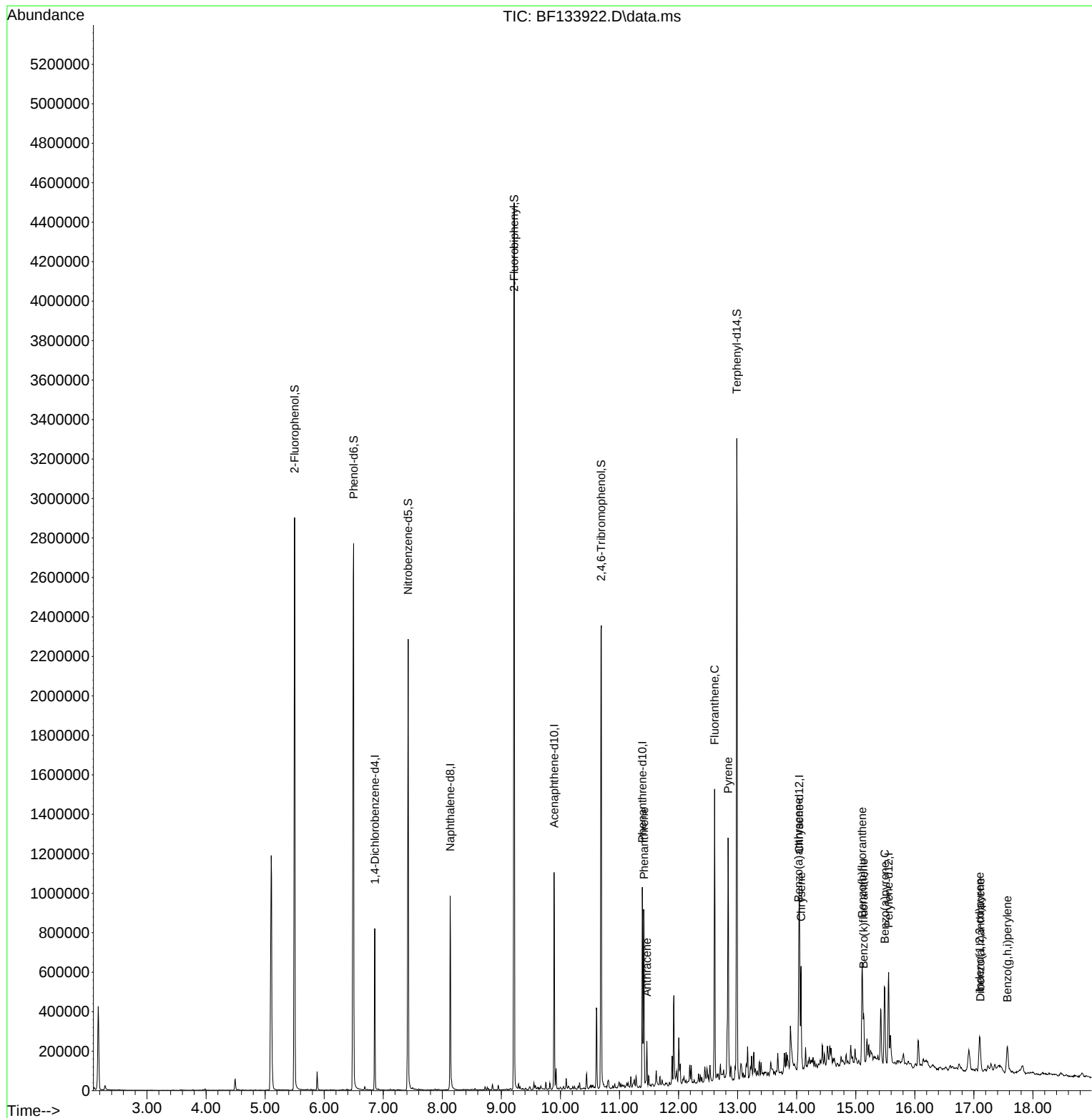
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133922.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
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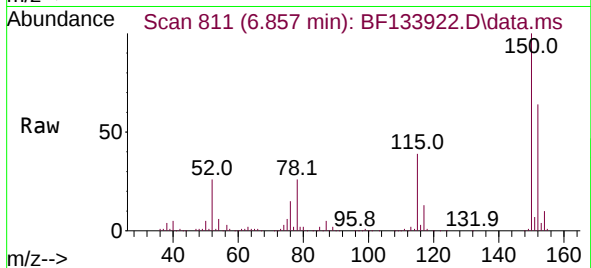
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

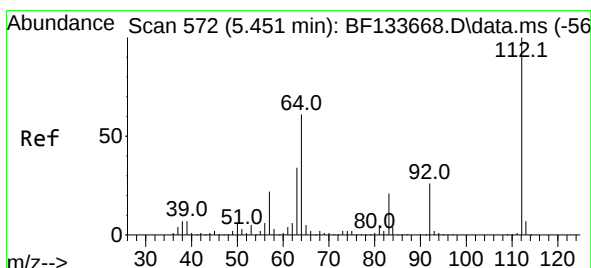
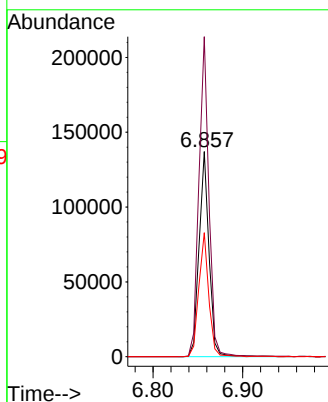
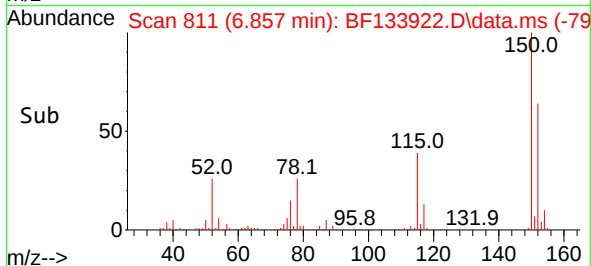
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03



Tgt Ion:152 Resp: 105758
Ion Ratio Lower Upper
152 100
150 156.0 124.3 186.5
115 60.4 48.5 72.7

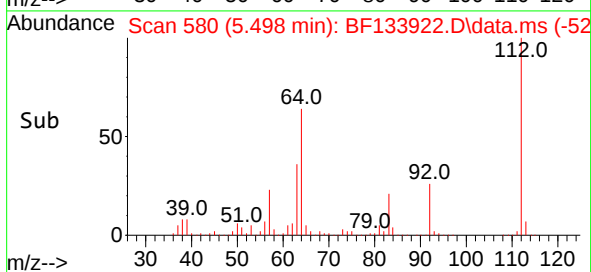
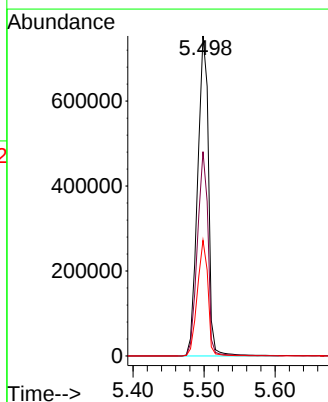
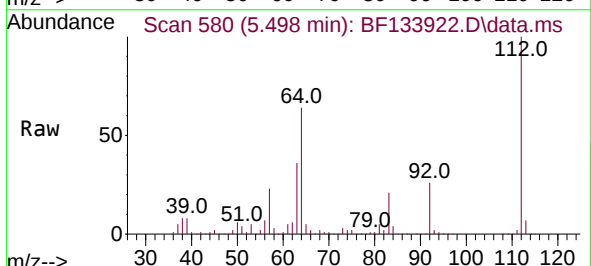
Manual Integrations
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#5
2-Fluorophenol
Concen: 132.920 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

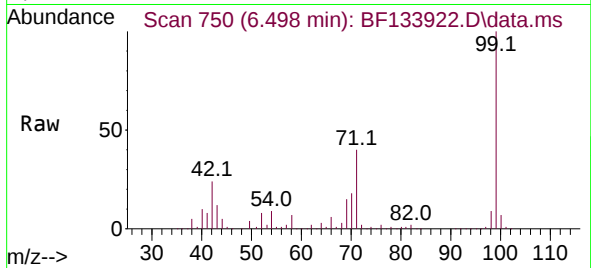
Tgt Ion:112 Resp: 807475
Ion Ratio Lower Upper
112 100
64 63.8 49.0 73.4
63 36.1 26.8 40.2





#7
Phenol-d6
Concen: 126.362 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

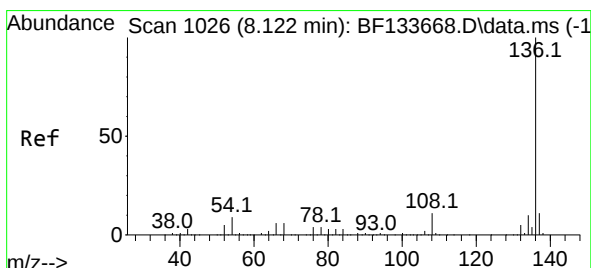
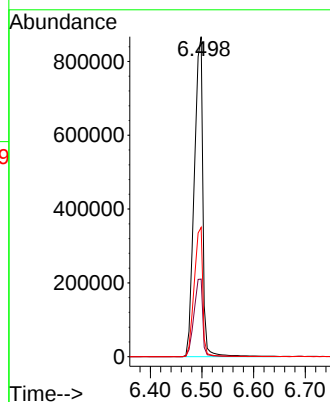
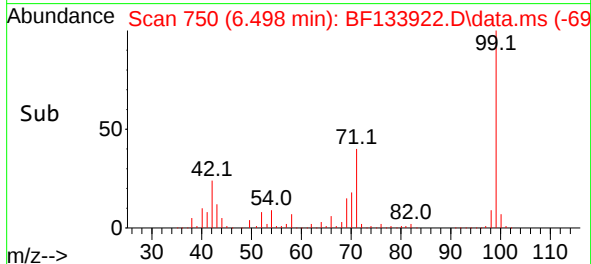
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03



Tgt Ion: 99 Resp: 999208
Ion Ratio Lower Upper
99 100
42 24.2 19.9 29.9
71 40.4 32.2 48.4

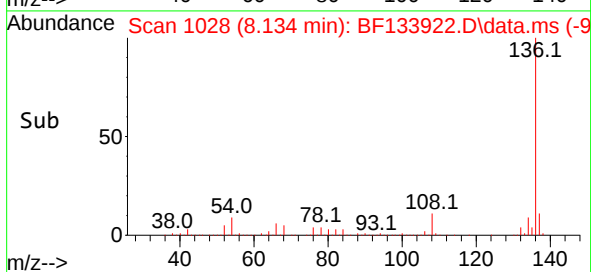
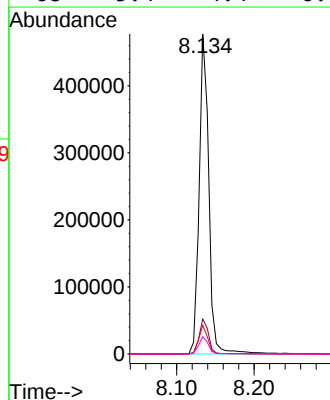
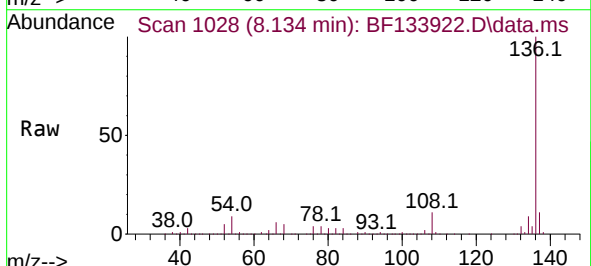
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Reviewed By :Yogesh Patel 06/23/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:136 Resp: 411256
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.9 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 90.043 ng

RT: 7.422 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133922.D

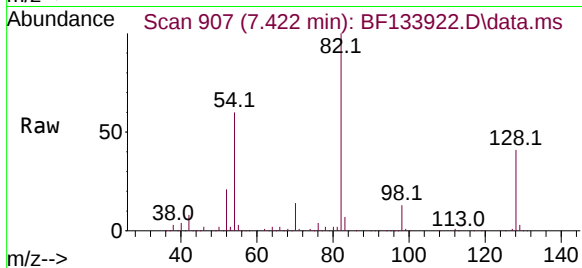
Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03



Tgt Ion: 82 Resp: 679878

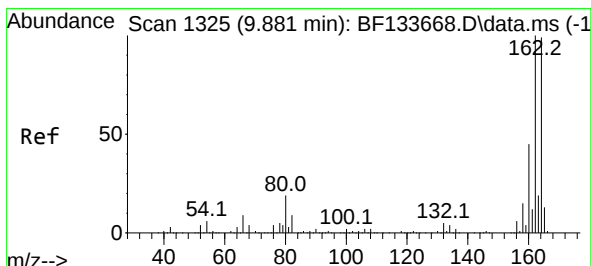
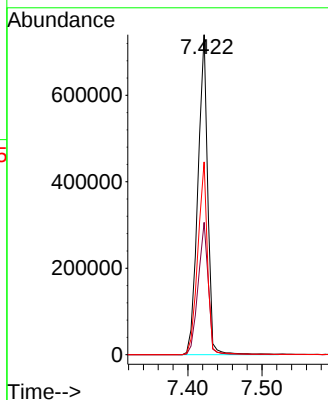
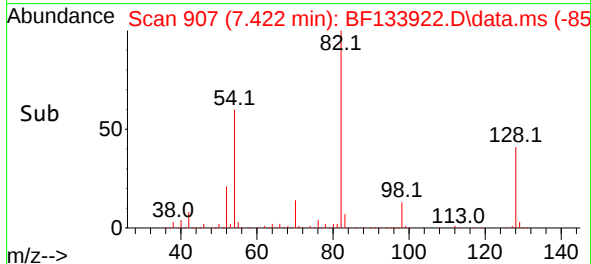
Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	60.2	46.5	69.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

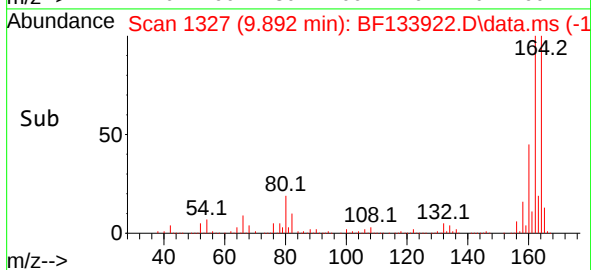
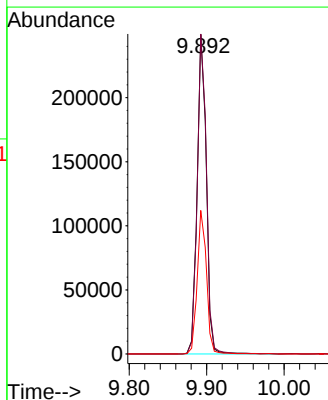
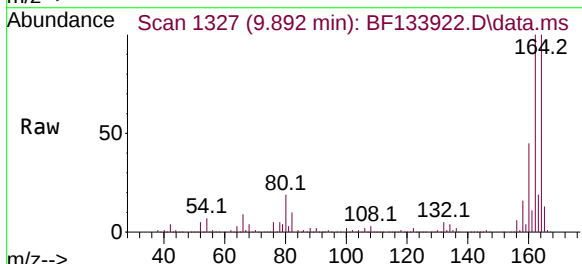
Tgt Ion:164 Resp: 204608

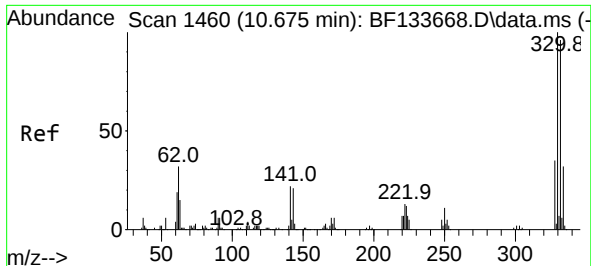
Ion Ratio Lower Upper

164 100

162 100.2 80.8 121.2

160 44.9 36.7 55.1





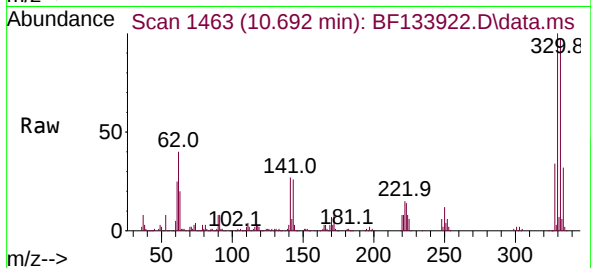
#42
2,4,6-Tribromophenol
Concen: 121.951 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03



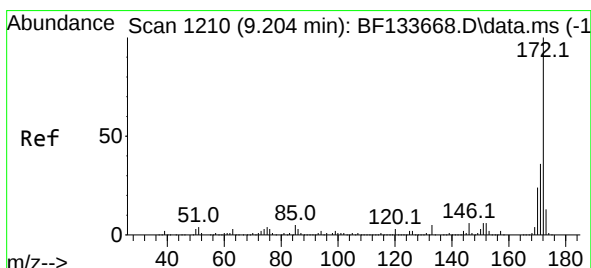
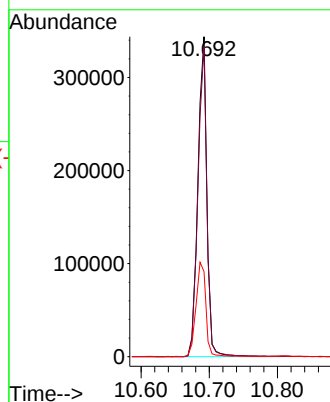
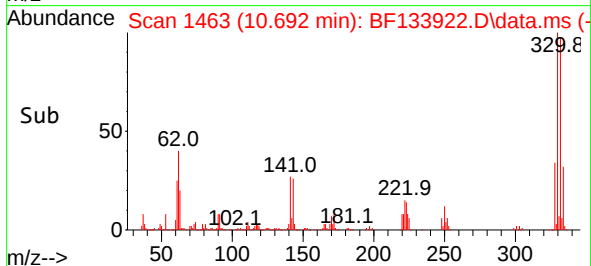
Tgt Ion:330 Resp: 31585
Ion Ratio Lower Upper
330 100
332 96.6 77.2 115.8
141 32.6 24.9 37.3

Manual Integrations

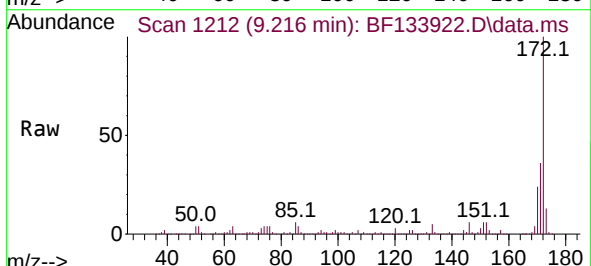
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Reviewed By :Yogesh Patel 06/23/2023

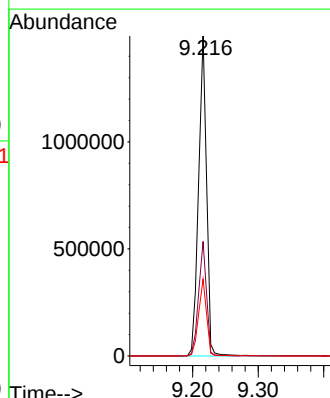
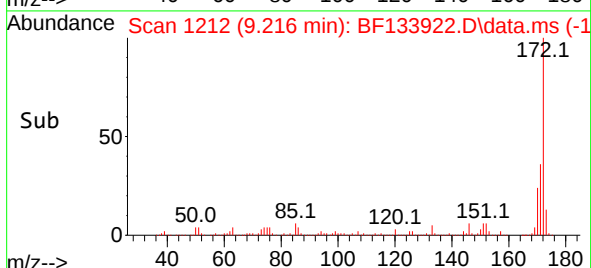
Supervised By :mohammad ahmed 06/23/2023



#45
2-Fluorobiphenyl
Concen: 88.718 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33



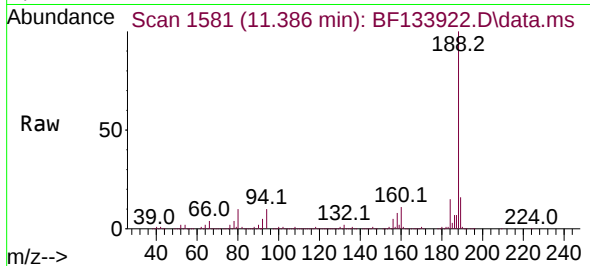
Tgt Ion:172 Resp: 1276974
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.0 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

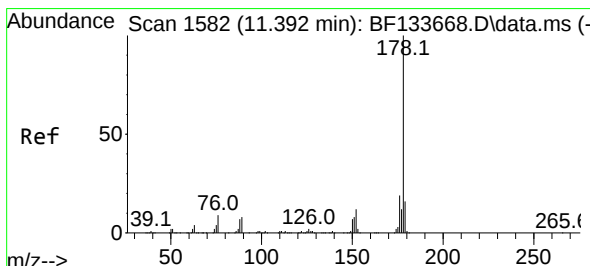
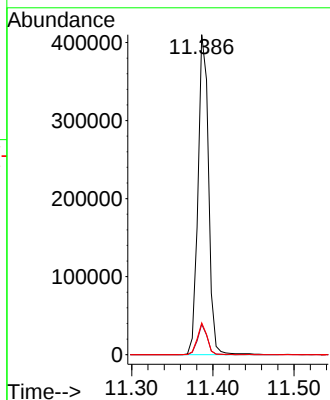
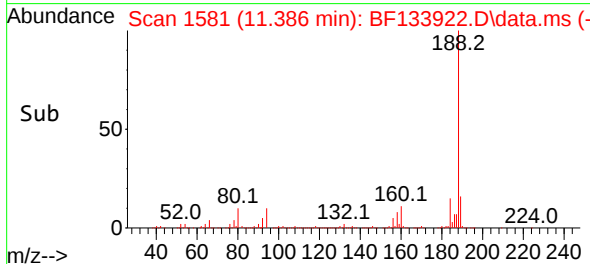
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03



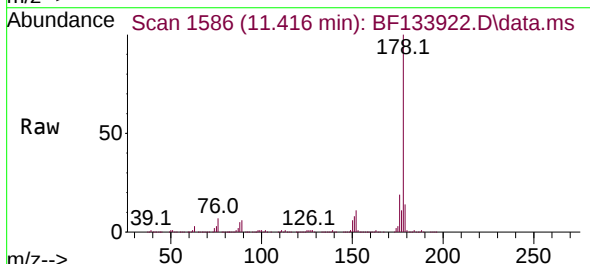
Tgt Ion:188 Resp: 371408
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 10.0 7.8 11.6

Manual Integrations
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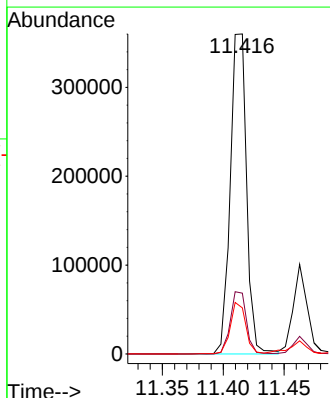
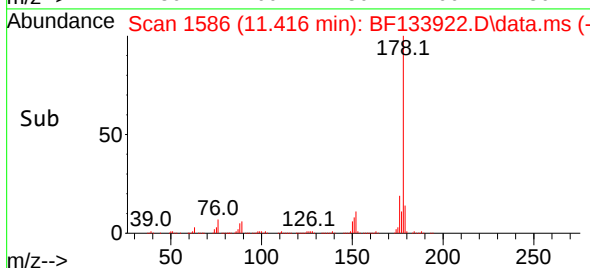
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

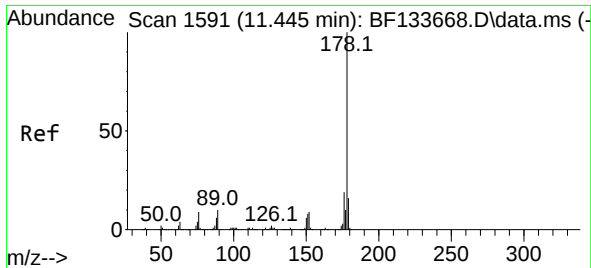


#71
Phenanthrene
Concen: 17.862 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33



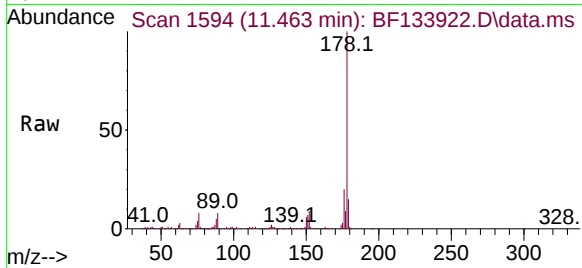
Tgt Ion:178 Resp: 336588
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 14.4 12.4 18.6





#72
 Anthracene
 Concen: 3.890 ng
 RT: 11.463 min Scan# 11463
 Delta R.T. -0.012 min
 Lab File: BF133922.D
 Acq: 23 Jun 2023 02:33

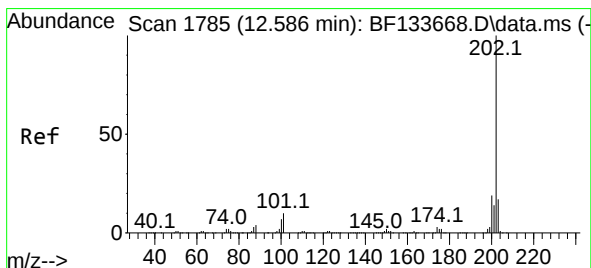
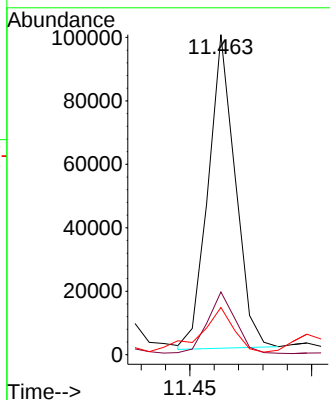
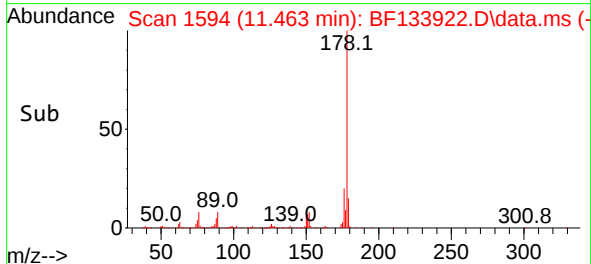
Instrument :
 BNA_F
 ClientSampleId :
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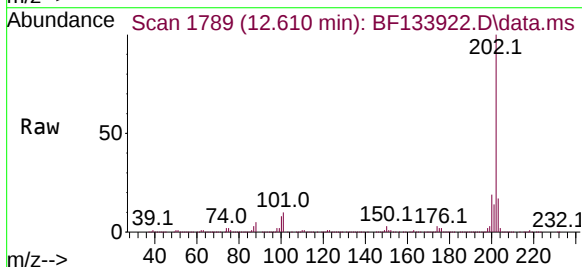
Tgt Ion:178 Resp: 76420
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 14.7 12.6 18.8

Manual Integrations
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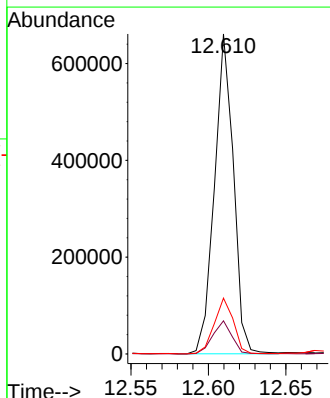
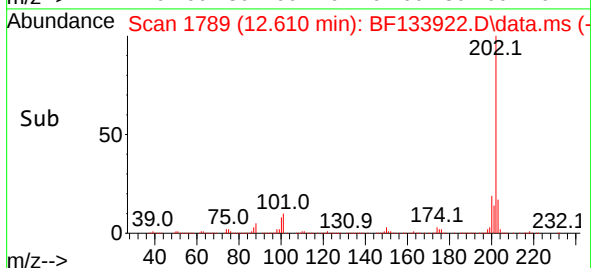
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

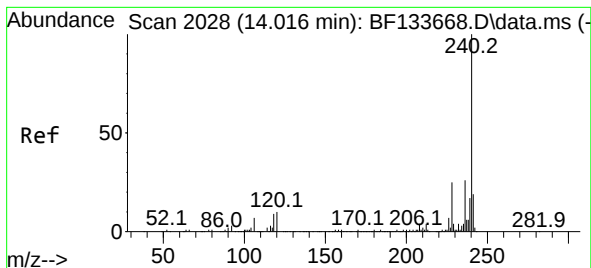


#75
 Fluoranthene
 Concen: 28.150 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133922.D
 Acq: 23 Jun 2023 02:33



Tgt Ion:202 Resp: 563286
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 29.6
 203 17.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF133922.D

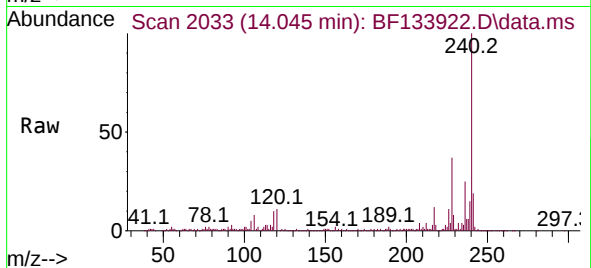
Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03



Tgt Ion:240 Resp: 208324

Ion Ratio Lower Upper

240 100

120 10.9 8.1 12.1

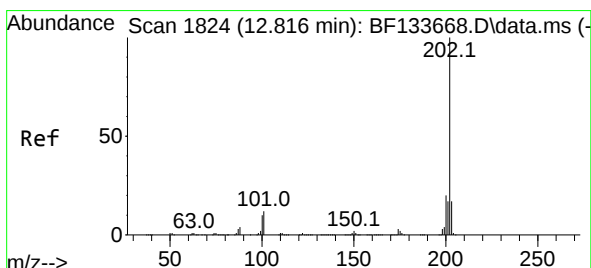
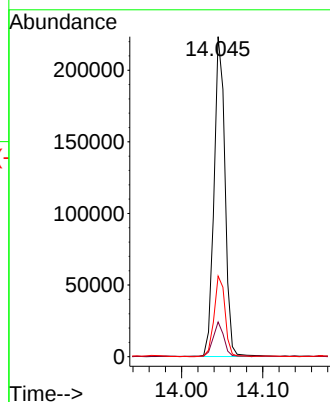
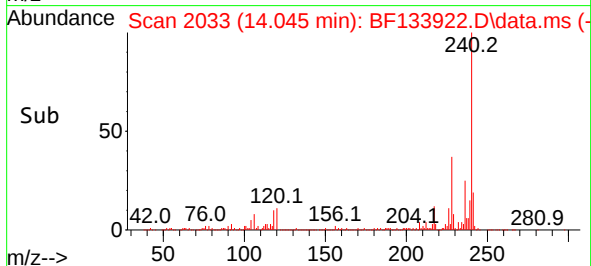
236 25.2 20.5 30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#78

Pyrene

Concen: 26.439 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

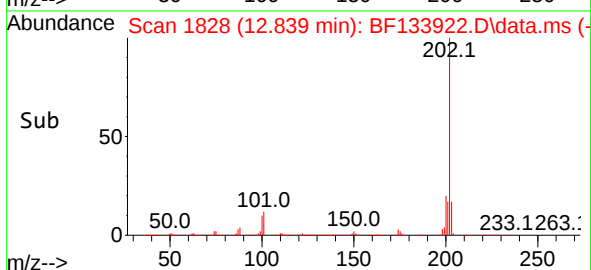
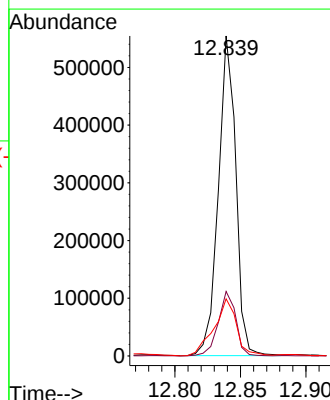
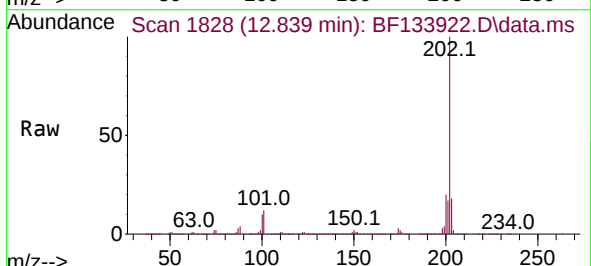
Tgt Ion:202 Resp: 513078

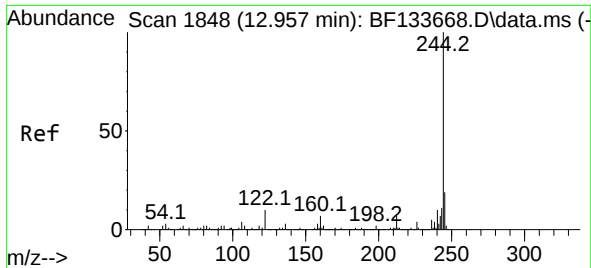
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 17.8 13.9 20.9





#79
 Terphenyl-d14
 Concen: 89.452 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133922.D
 Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

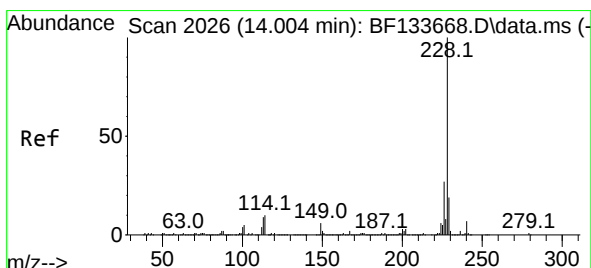
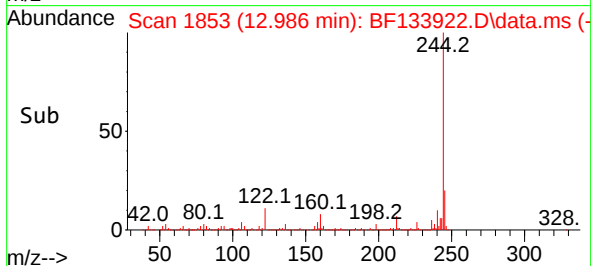
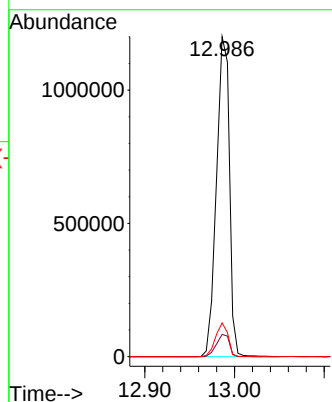
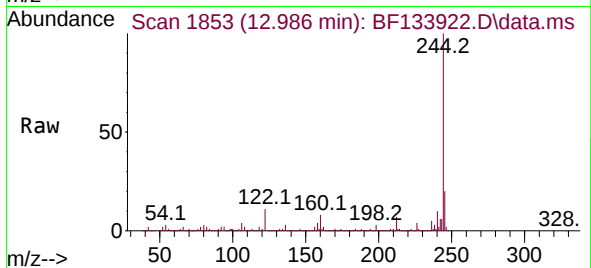
COMPOSIT-TW-03

Tgt Ion:244 Resp: 1204320
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.6 8.1 12.1

Manual Integrations

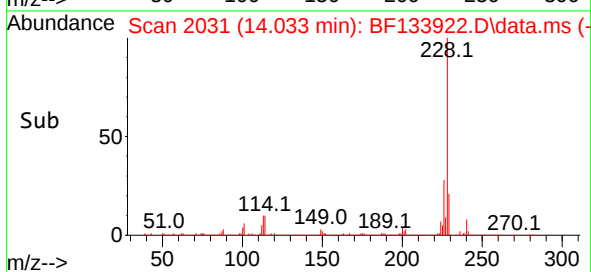
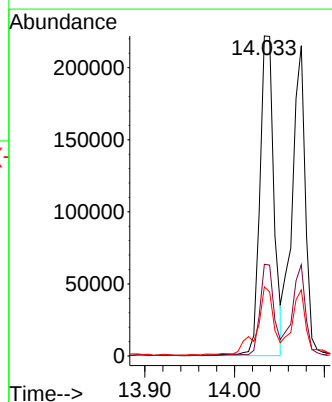
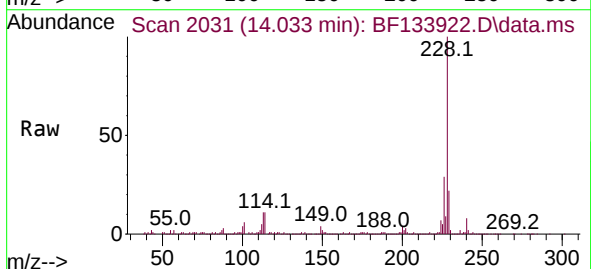
APPROVED

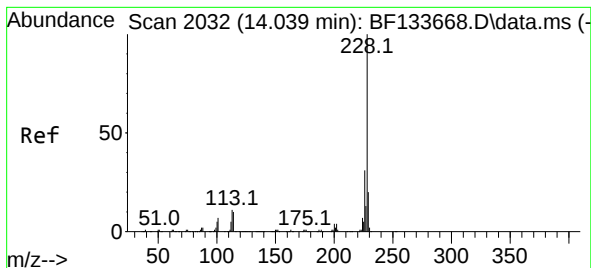
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#81
 Benzo(a)anthracene
 Concen: 16.739 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.012 min
 Lab File: BF133922.D
 Acq: 23 Jun 2023 02:33

Tgt Ion:228 Resp: 241203
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 21.6 15.4 23.2





#83

Chrysene

Concen: 16.255 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

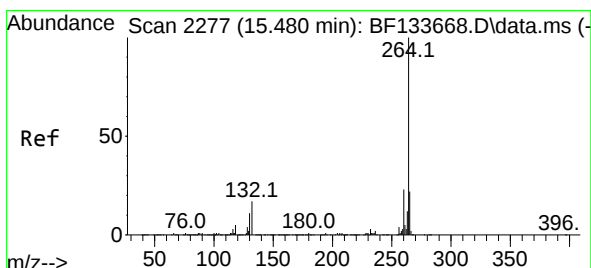
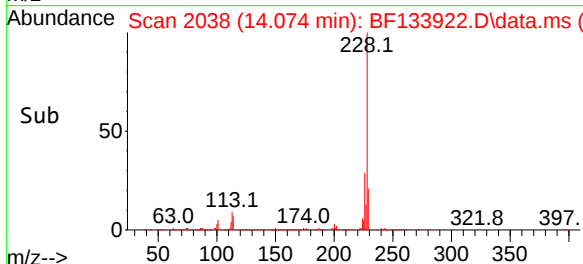
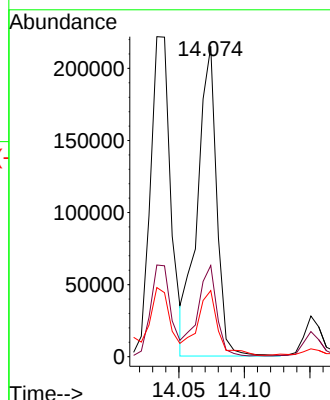
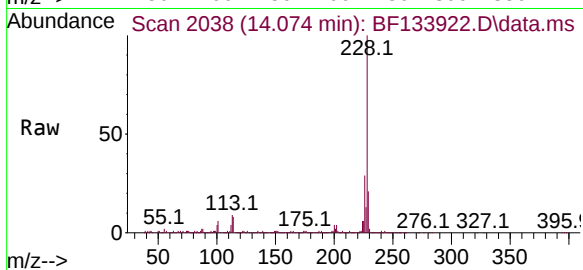
COMPOSIT-TW-03

Tgt Ion:228 Resp: 22153
 Ion Ratio Lower Upper
 228 100
 226 29.4 25.0 37.6
 229 21.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#86

Perylene-d12

Concen: 20.000 ng

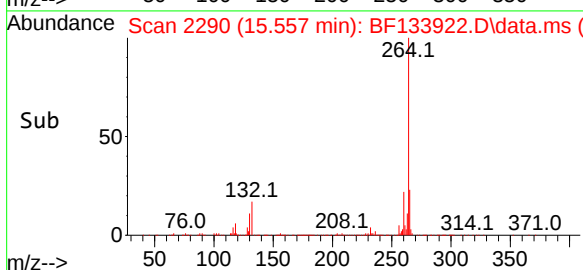
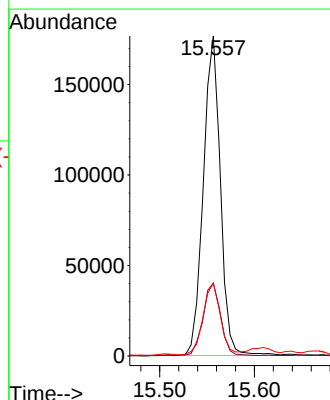
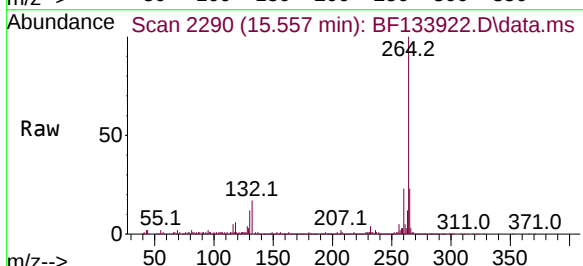
RT: 15.557 min Scan# 2290

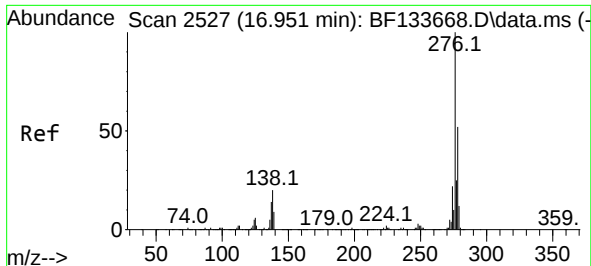
Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Tgt Ion:264 Resp: 220761
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.2 27.2
 265 22.8 17.8 26.6





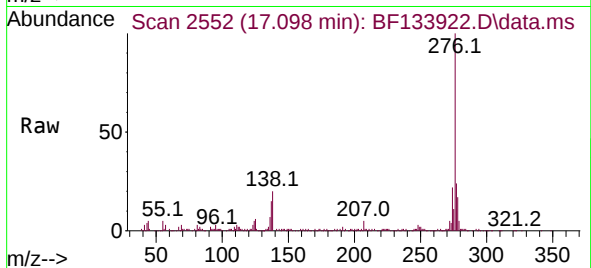
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.463 ng
RT: 17.098 min Scan# 2114
Delta R.T. -0.023 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

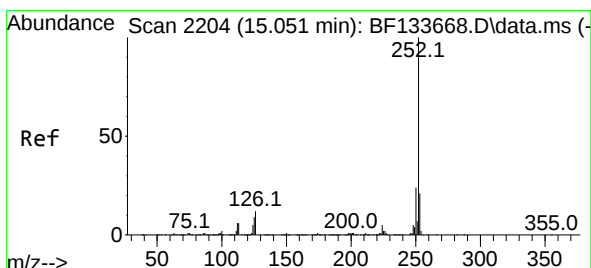
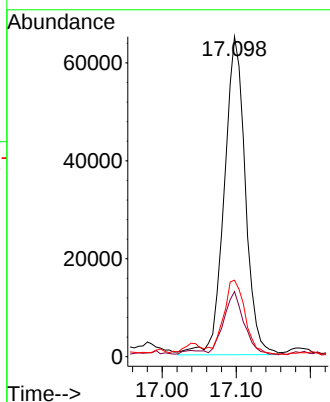
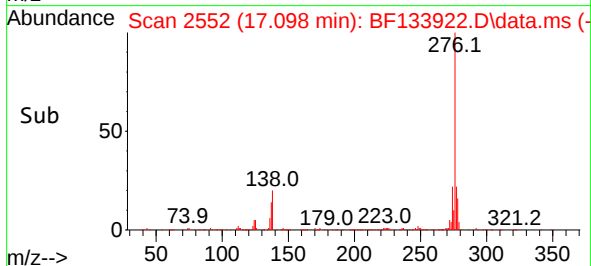


Tgt Ion:276 Resp: 128528
Ion Ratio Lower Upper
276 100
138 19.2 17.9 26.9
277 24.3 20.3 30.5

Manual Integrations

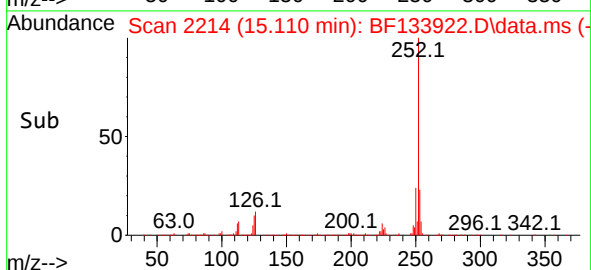
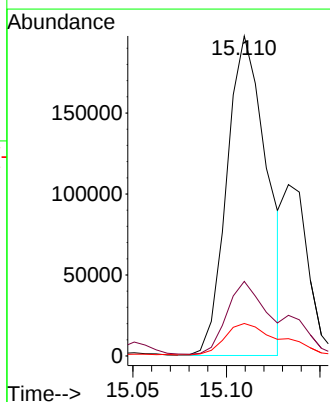
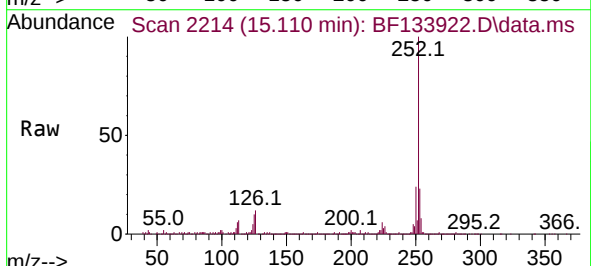
APPROVED

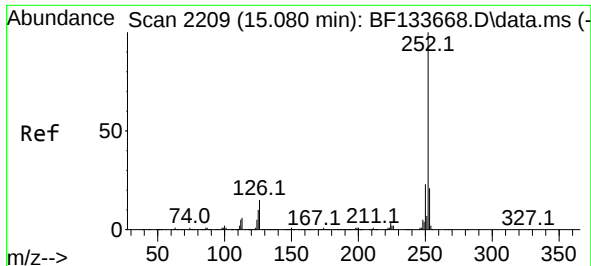
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#88
Benzo(b)fluoranthene
Concen: 21.899 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:252 Resp: 293671
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.2 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 7.305 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

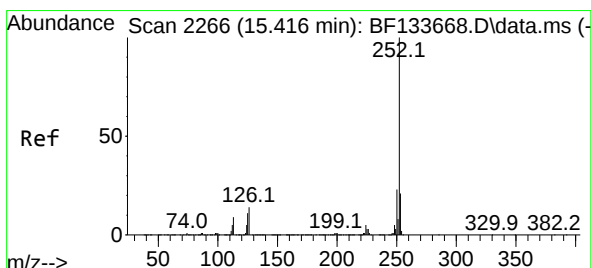
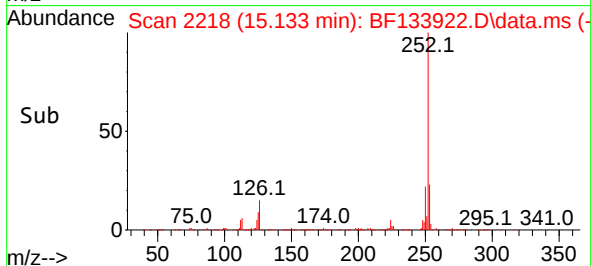
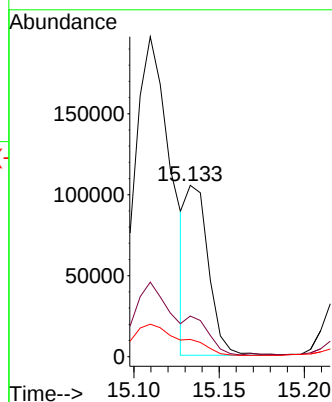
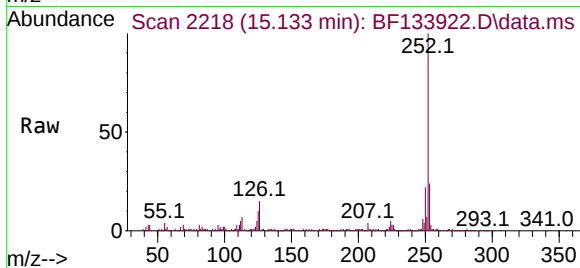
COMPOSIT-TW-03

Tgt Ion:252 Resp: 95429
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.0 25.4
 125 10.1 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#90

Benzo(a)pyrene

Concen: 16.899 ng

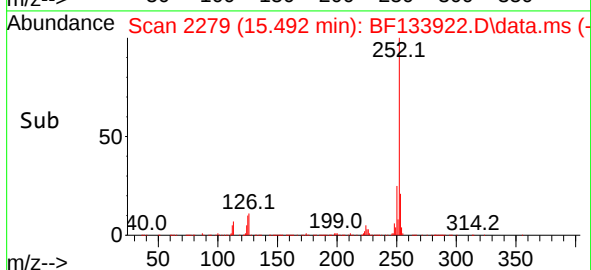
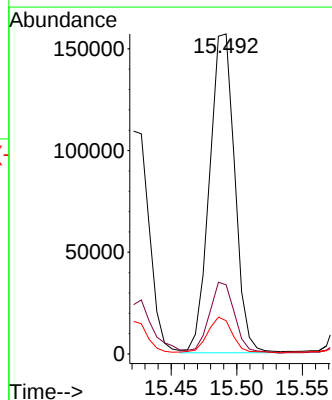
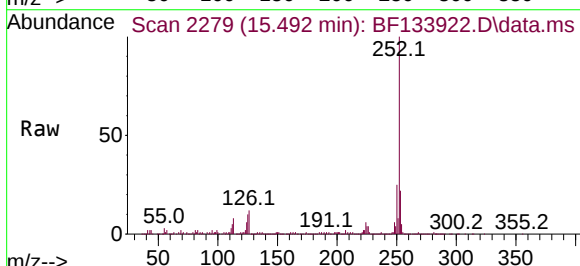
RT: 15.492 min Scan# 2279

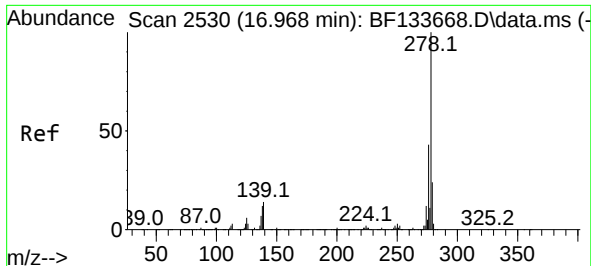
Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Tgt Ion:252 Resp: 210324
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.1 25.7
 125 10.4 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 2.651 ng m
RT: 17.109 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

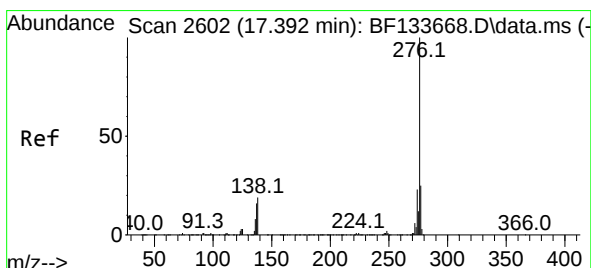
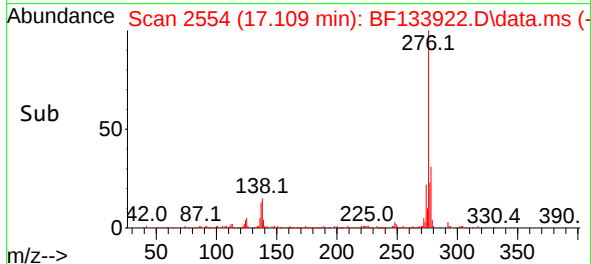
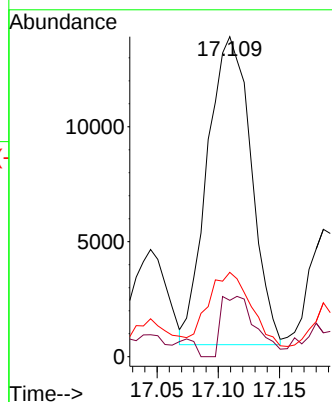
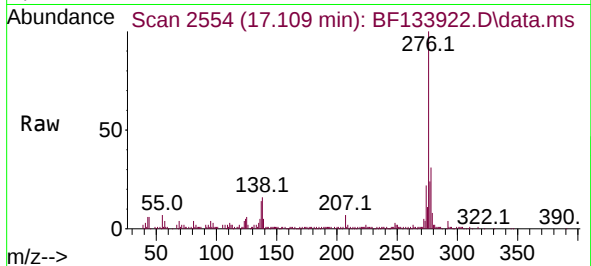
COMPOSIT-TW-03

Tgt Ion:278 Resp: 3333
Ion Ratio Lower Upper
278 100
139 17.6 11.4 17.2
279 26.4 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 9.301 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.023 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:276 Resp: 115949
Ion Ratio Lower Upper
276 100
277 22.7 19.8 29.8
138 20.2 15.0 22.4

