

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133942.D
 Acq On : 23 Jun 2023 14:38
 Operator : CG\JU
 Sample : 03327-19 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-14

Quant Time: Jun 23 15:01:16 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	112932	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	398693	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	174981	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	293799	20.000	ng	0.00
76) Chrysene-d12	14.057	240	182256	20.000	ng	0.00
86) Perylene-d12	15.568	264	160368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	300491	46.322	ng	0.00
7) Phenol-d6	6.492	99	350677	41.530	ng	0.00
23) Nitrobenzene-d5	7.422	82	221992	30.327	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	80974	36.558	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	431870	35.084	ng	0.00
79) Terphenyl-d14	12.986	244	366741	31.136	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	238687	16.013	ng	100
72) Anthracene	11.469	178	73445	4.726	ng	98
75) Fluoranthene	12.616	202	457635	28.911	ng	98
78) Pyrene	12.845	202	403282	23.753	ng	98
81) Benzo(a)anthracene	14.045	228	195516	15.509	ng	98
83) Chrysene	14.080	228	166454	13.960	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	25211	2.857	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.121	276	88859	8.054	ng	94
88) Benzo(b)fluoranthene	15.121	252	218970m	22.478	ng	
89) Benzo(k)fluoranthene	15.145	252	55170m	5.814	ng	
90) Benzo(a)pyrene	15.498	252	145299	16.071	ng	96
91) Dibenzo(a,h)anthracene	17.127	278	22643	2.479	ng	# 81
92) Benzo(g,h,i)perylene	17.592	276	80189	8.855	ng	# 94

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

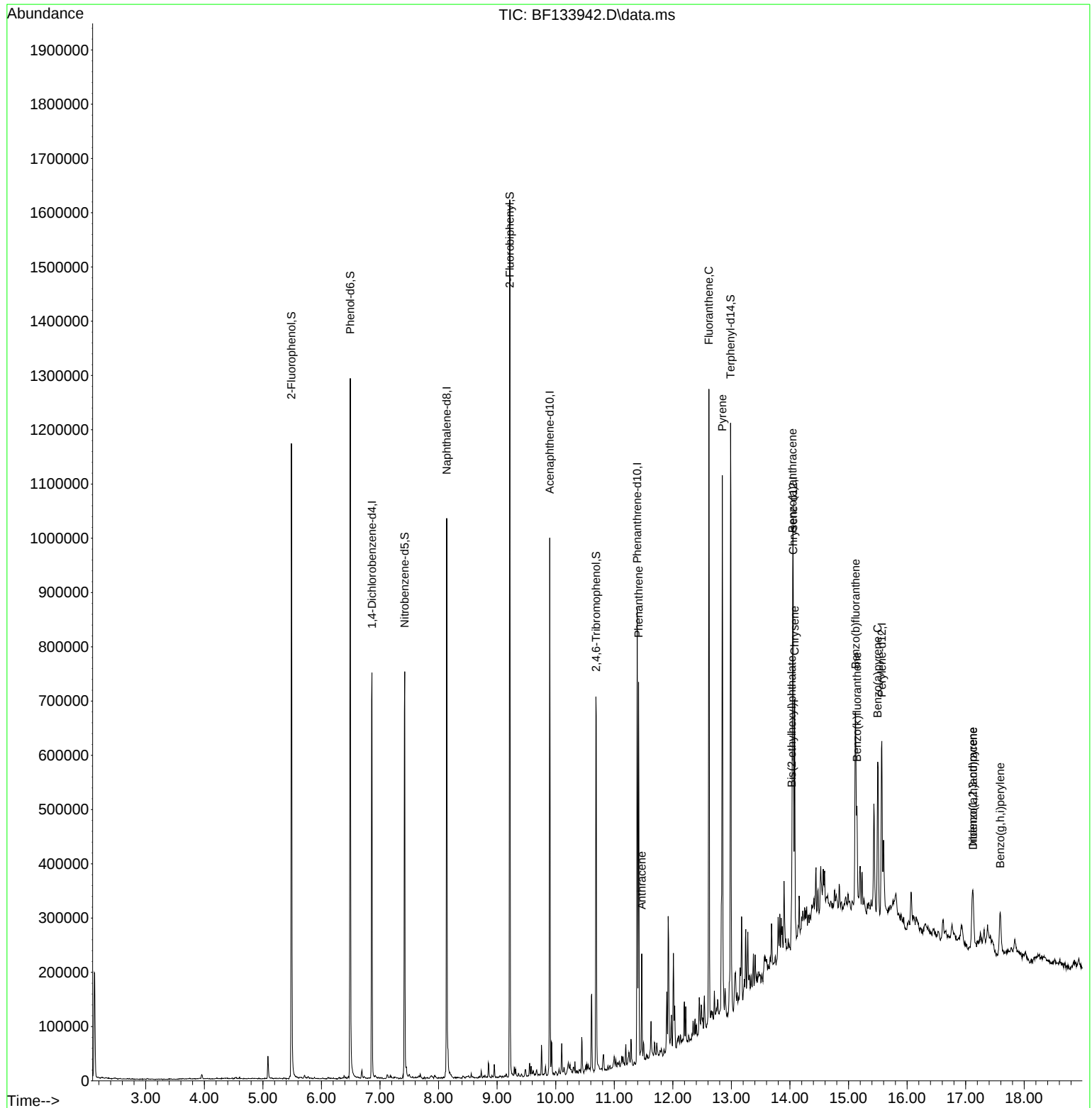
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Data File : BF133942.D
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ALS Vial : 13 Sample Multiplier: 1

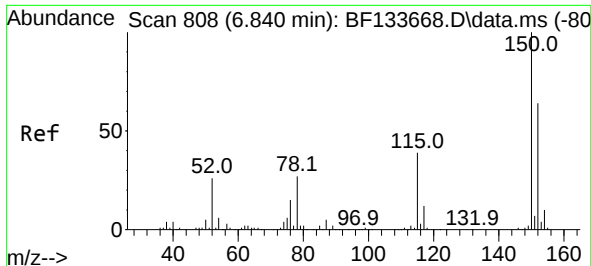
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BNA_F
ClientSampleId :
COMPOSIT-SB-14

Quant Time: Jun 23 15:01:16 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
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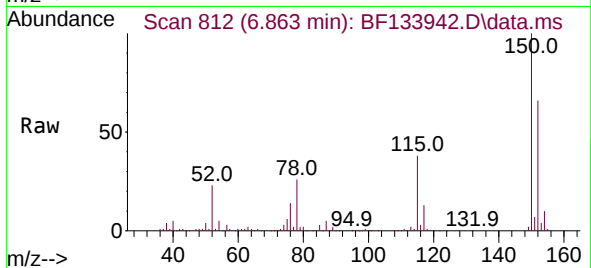
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

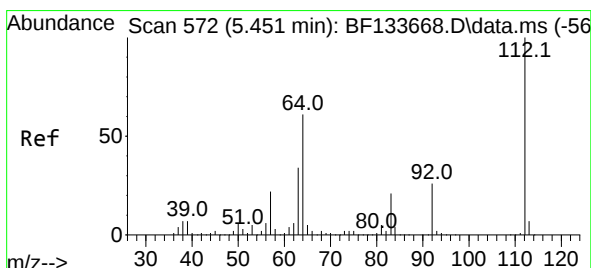
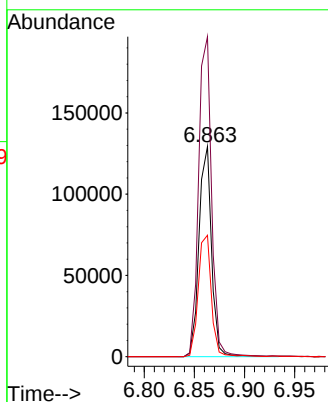
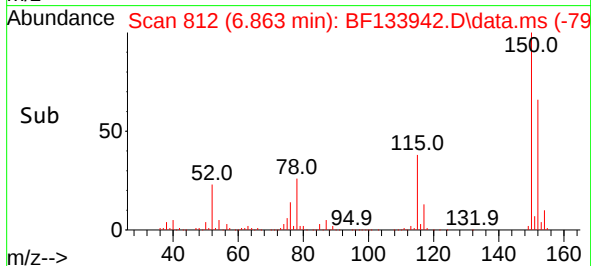
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-14



Tgt Ion:152 Resp: 11293
Ion Ratio Lower Upper
152 100
150 152.2 124.3 186.5
115 57.8 48.5 72.7

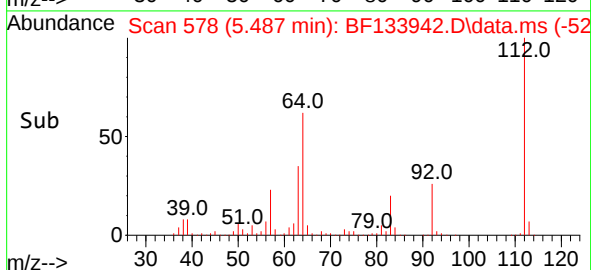
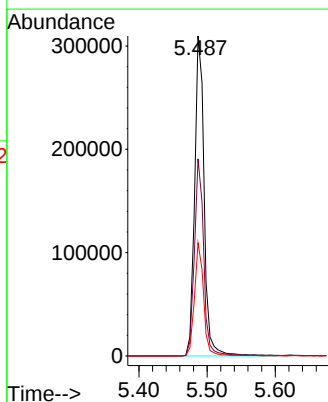
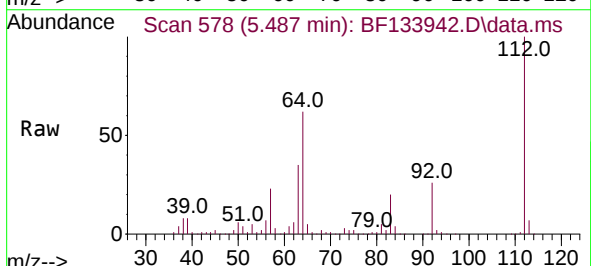
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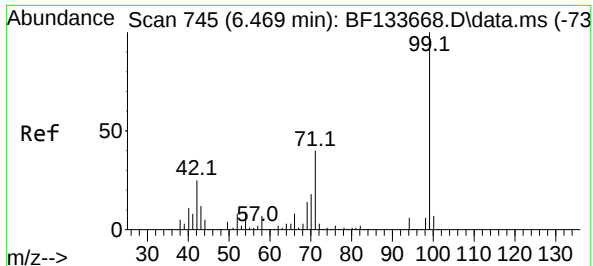
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 46.322 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

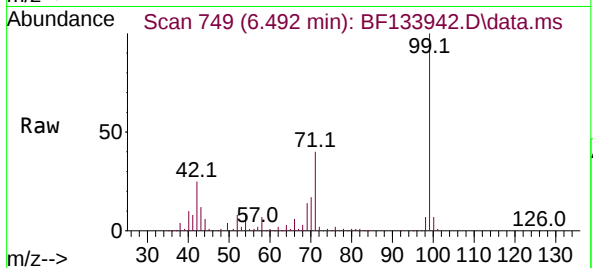
Tgt Ion:112 Resp: 300491
Ion Ratio Lower Upper
112 100
64 61.6 49.0 73.4
63 35.4 26.8 40.2





#7
Phenol-d6
Concen: 41.530 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

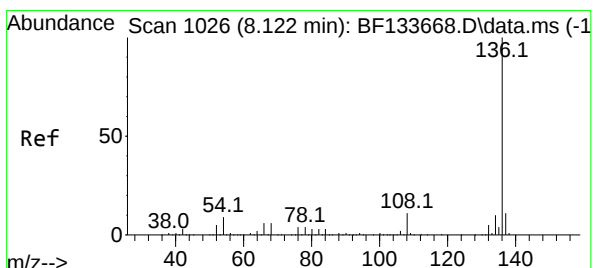
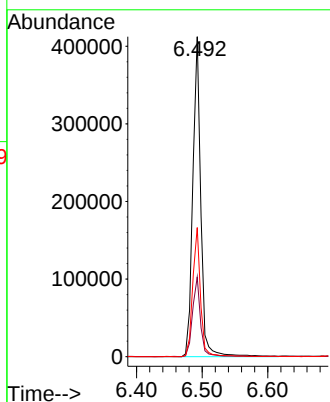
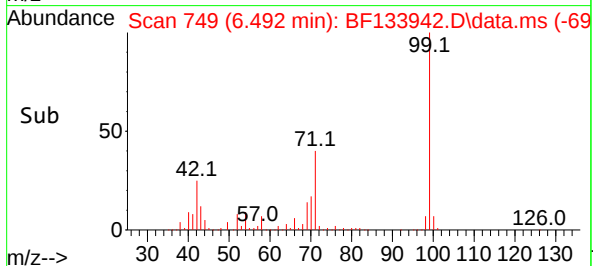
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-14



Tgt Ion: 99 Resp: 35067
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.4 32.2 48.4

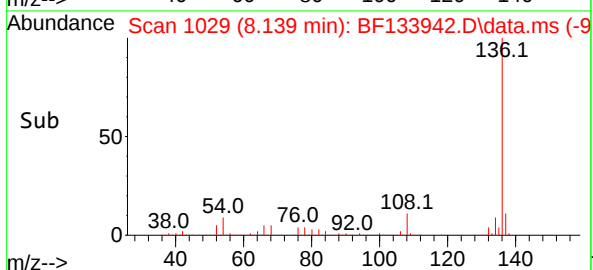
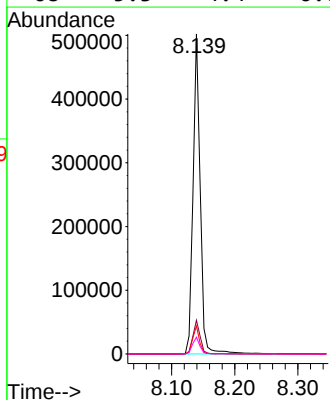
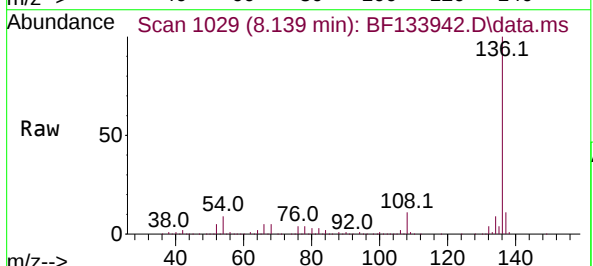
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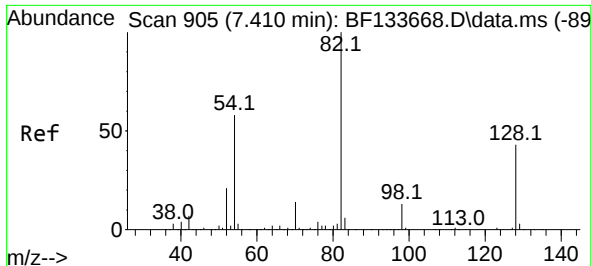
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

Tgt Ion:136 Resp: 398693
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.8 7.4 11.0
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 30.327 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-14

Tgt Ion: 82 Resp: 221992

Ion Ratio Lower Upper

82 100

128 46.0 34.2 51.2

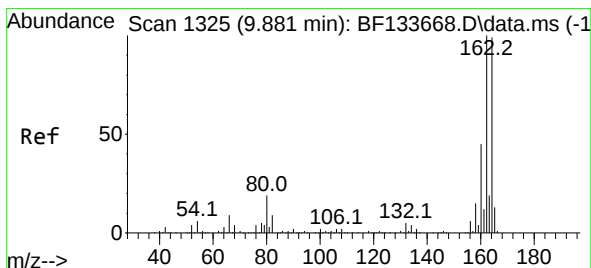
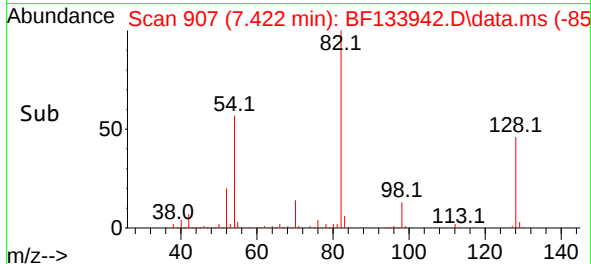
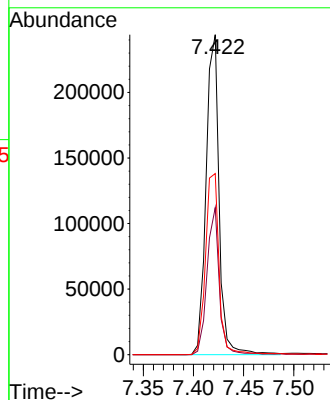
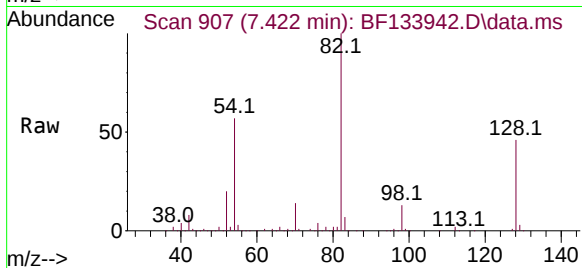
54 56.6 46.5 69.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

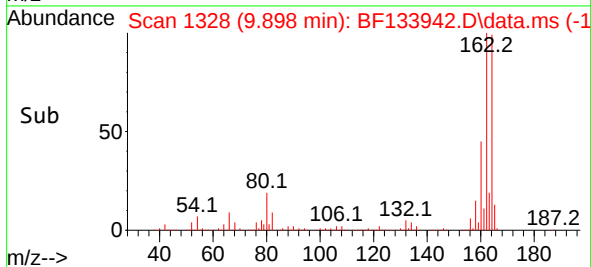
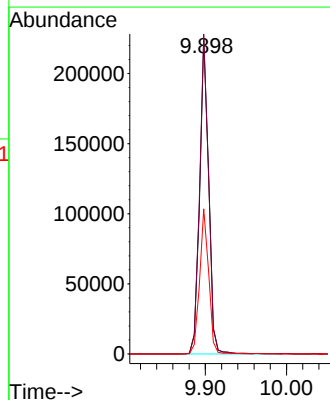
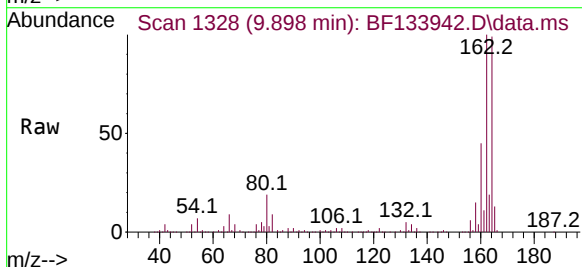
Tgt Ion:164 Resp: 174981

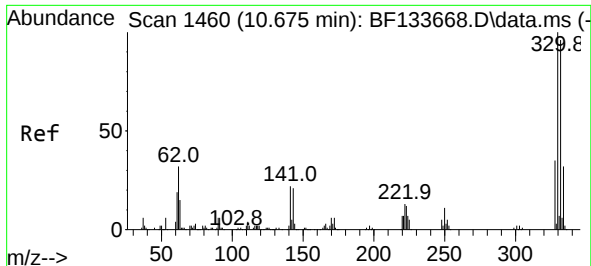
Ion Ratio Lower Upper

164 100

162 101.5 80.8 121.2

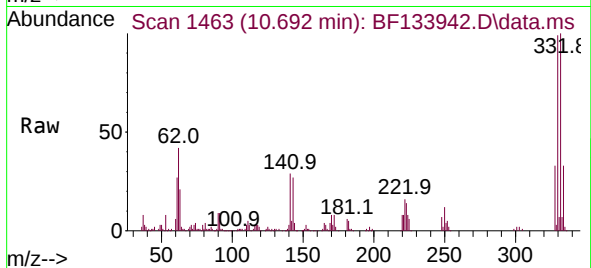
160 46.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 36.558 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

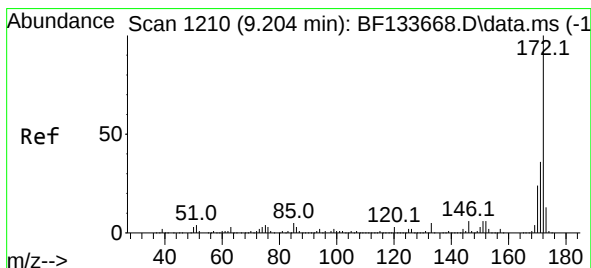
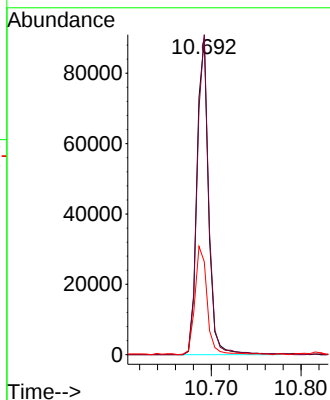
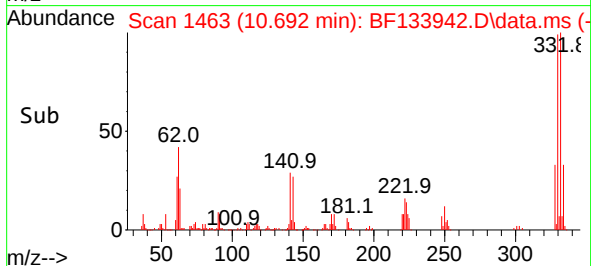
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ClientSampleId :
COMPOSIT-SB-14



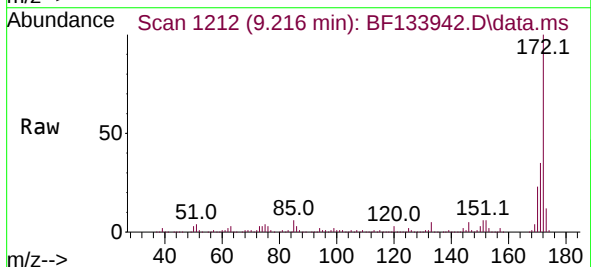
Tgt Ion: 330 Resp: 80974
Ion Ratio Lower Upper
330 100
332 99.3 77.2 115.8
141 36.3 24.9 37.3

Manual Integrations
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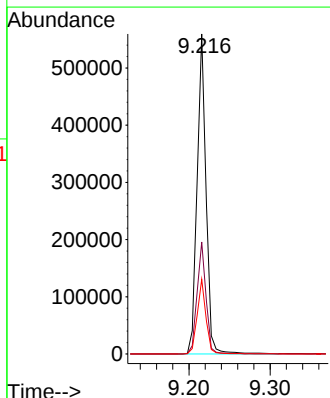
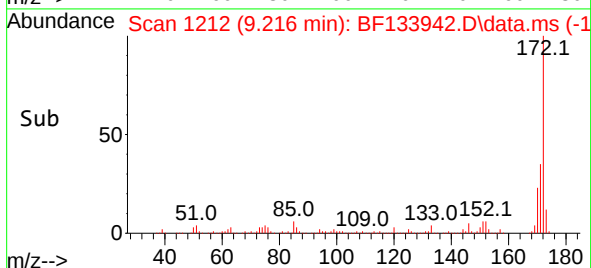
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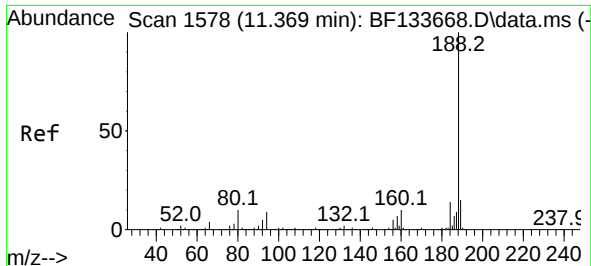


#45
2-Fluorobiphenyl
Concen: 35.084 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38



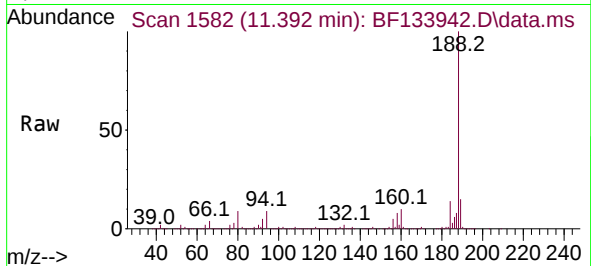
Tgt Ion: 172 Resp: 431870
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

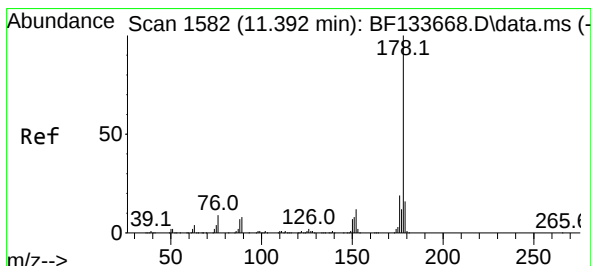
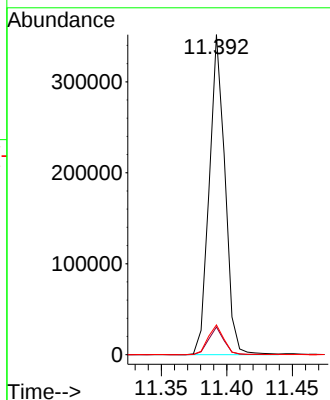
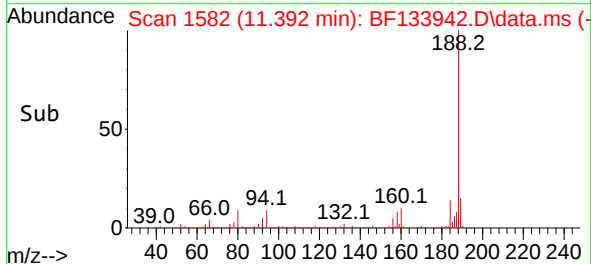
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-14



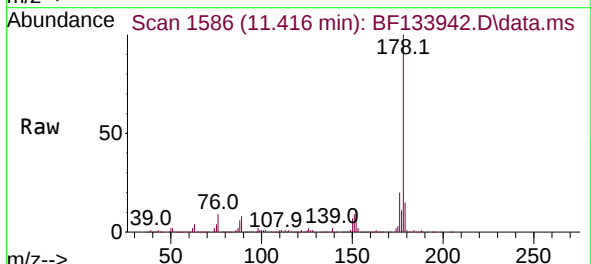
Tgt Ion:188 Resp: 293799
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.3 7.8 11.6

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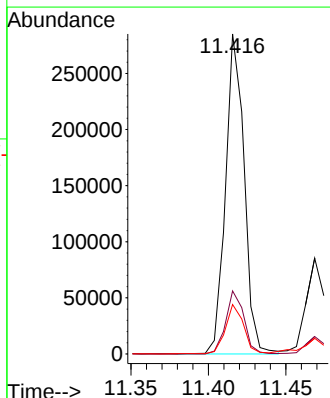
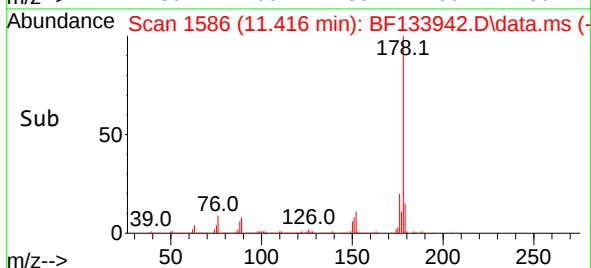
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

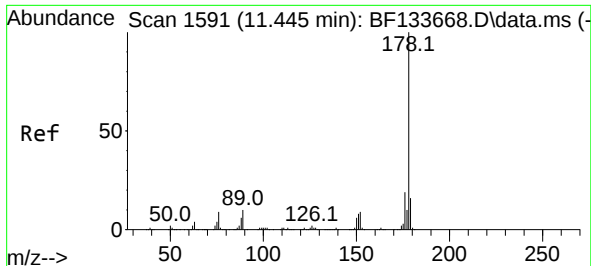


#71
Phenanthrene
Concen: 16.013 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38



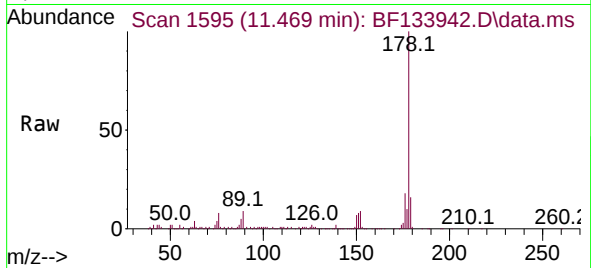
Tgt Ion:178 Resp: 238687
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 4.726 ng
 RT: 11.469 min Scan# 1591
 Delta R.T. -0.006 min
 Lab File: BF133942.D
 Acq: 23 Jun 2023 14:38

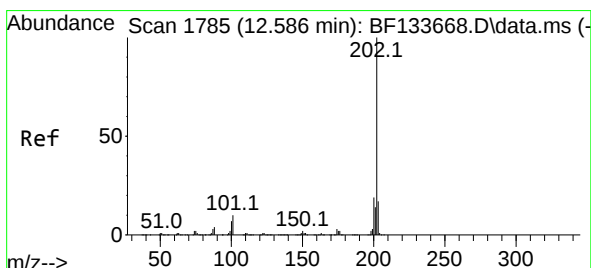
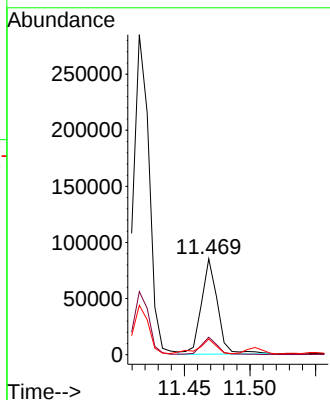
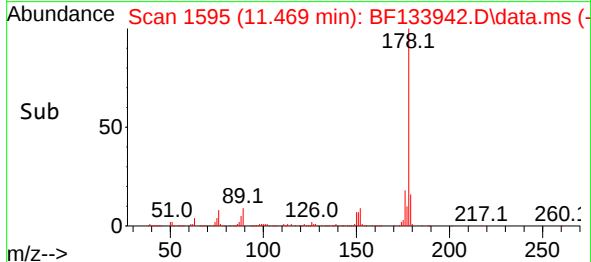
Instrument :
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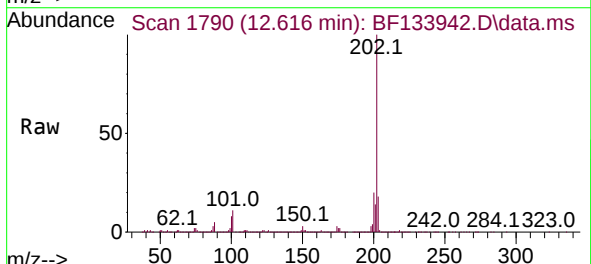
Tgt Ion:178 Resp: 73445
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 16.3 12.6 18.8

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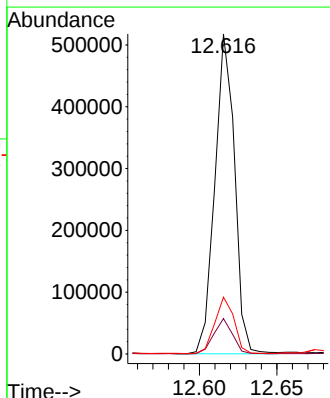
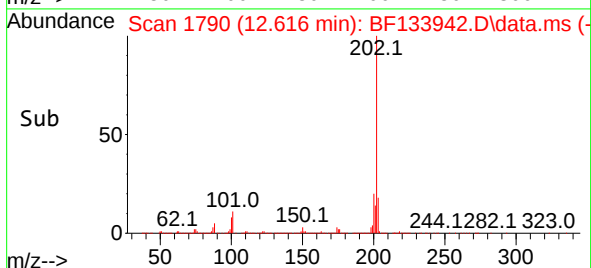
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

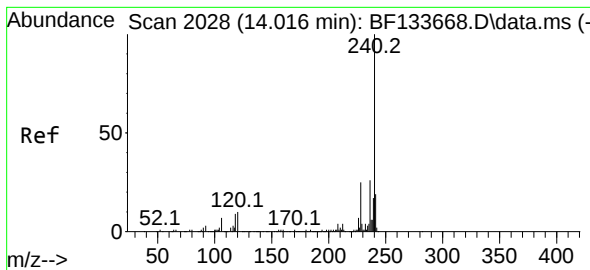


#75
 Fluoranthene
 Concen: 28.911 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133942.D
 Acq: 23 Jun 2023 14:38



Tgt Ion:202 Resp: 457635
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.6
 203 17.8 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: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-14

Tgt Ion:240 Resp: 182250

Ion Ratio Lower Upper

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120 9.8 8.1 12.1

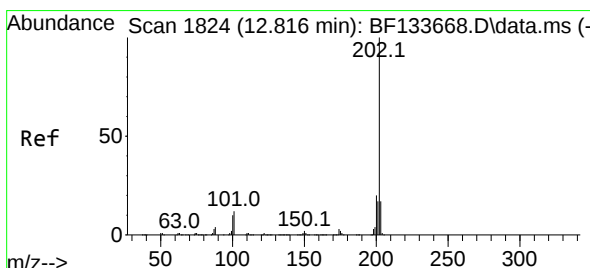
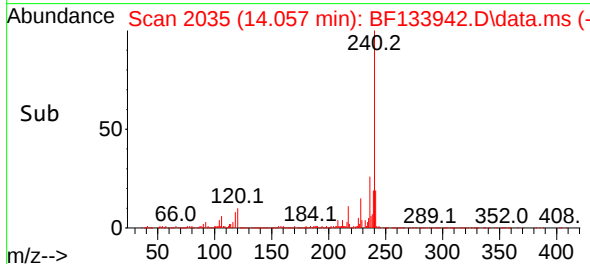
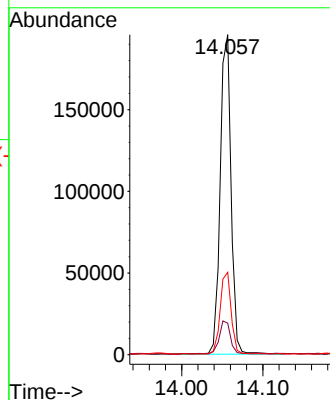
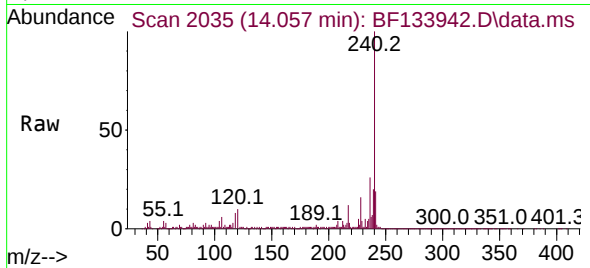
236 25.8 20.5 30.7

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#78

Pyrene

Concen: 23.753 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

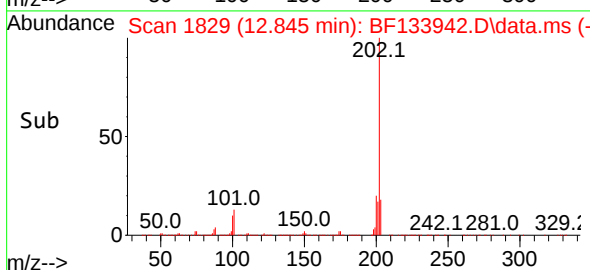
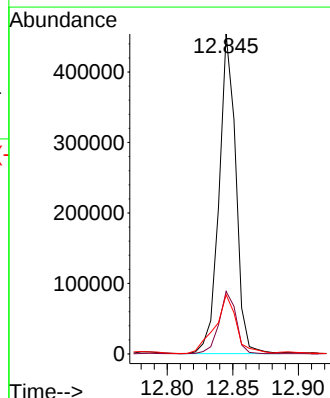
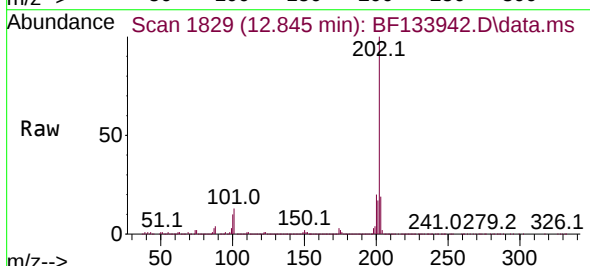
Tgt Ion:202 Resp: 403282

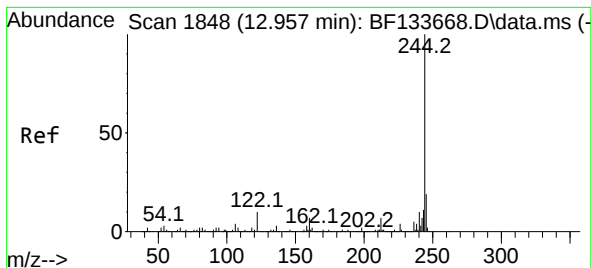
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 18.5 13.9 20.9





#79

Terphenyl-d14

Concen: 31.136 ng

RT: 12.986 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-14

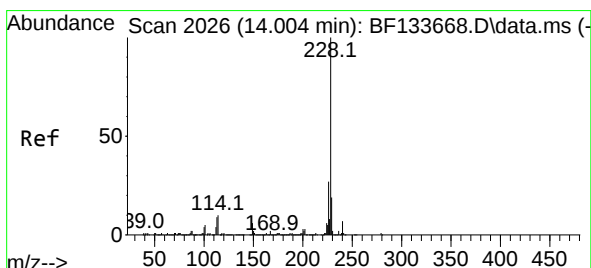
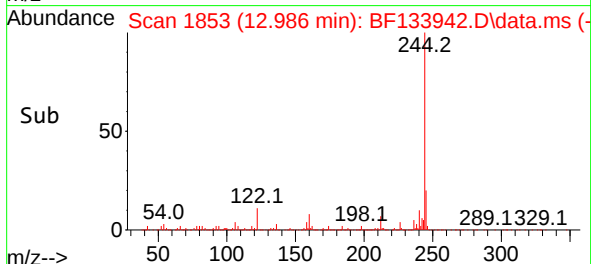
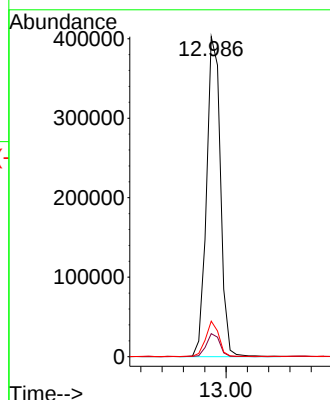
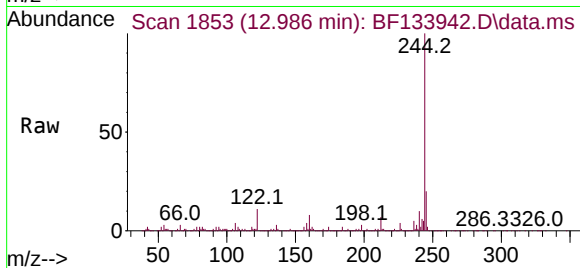
Tgt Ion:244 Resp: 36674

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	11.1	8.1	12.1

Manual Integrations

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



#81

Benzo(a)anthracene

Concen: 15.509 ng

RT: 14.045 min Scan# 2033

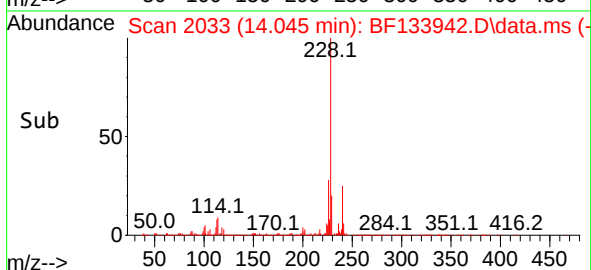
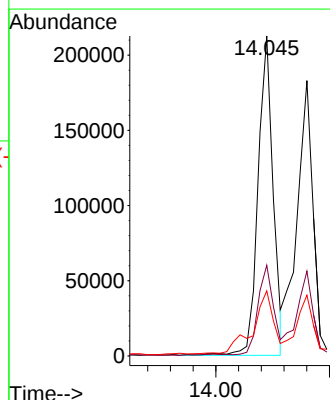
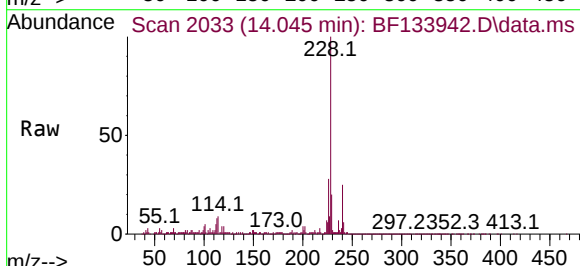
Delta R.T. 0.000 min

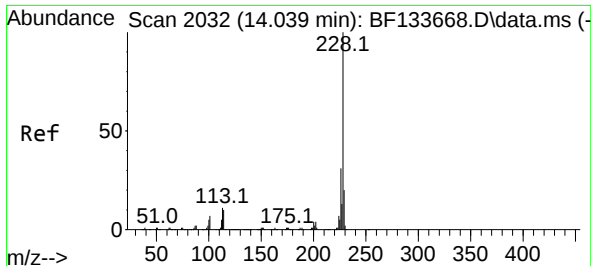
Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Tgt Ion:228 Resp: 195516

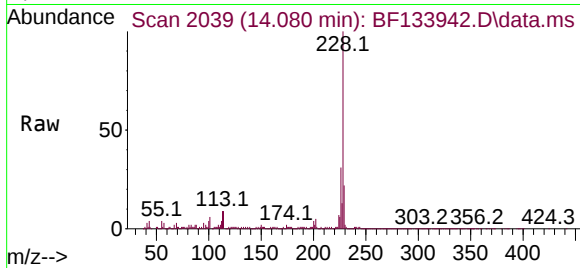
Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.7	32.5
229	20.4	15.4	23.2





#83
Chrysene
Concen: 13.960 ng
RT: 14.080 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

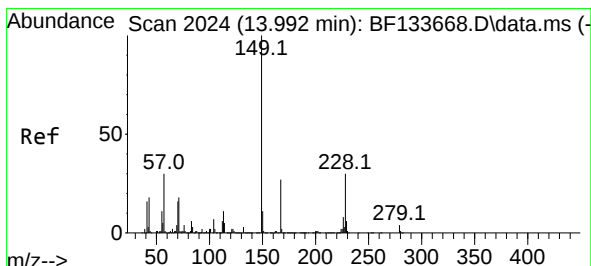
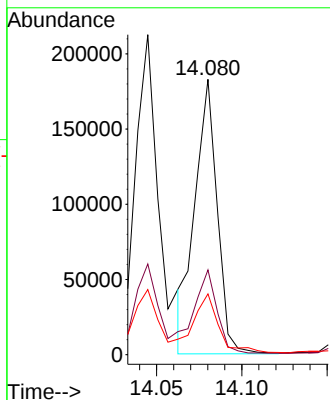
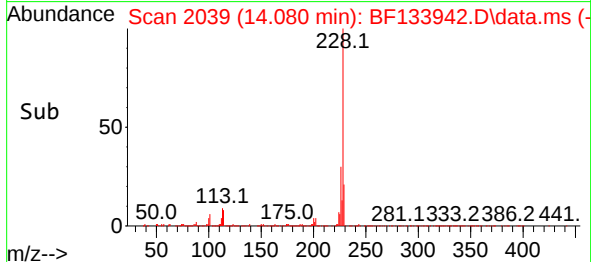
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-14



Tgt Ion:228 Resp: 166454
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 22.1 15.8 23.8

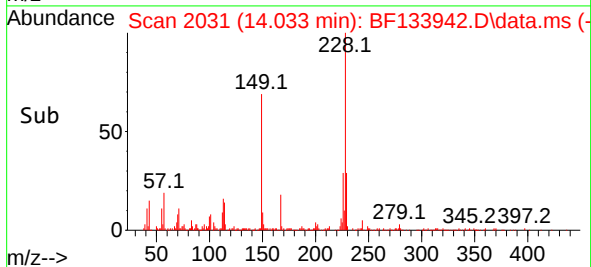
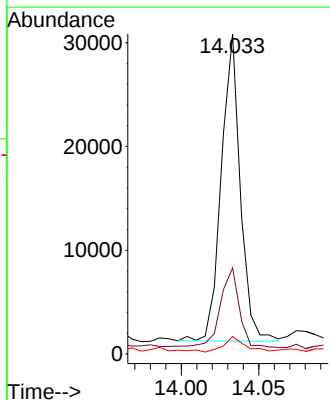
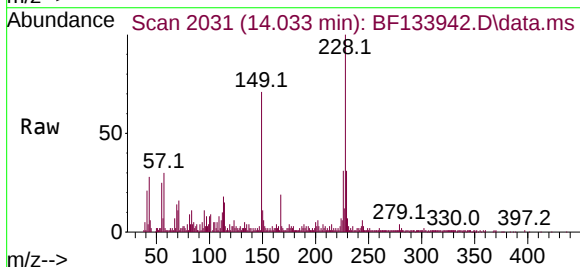
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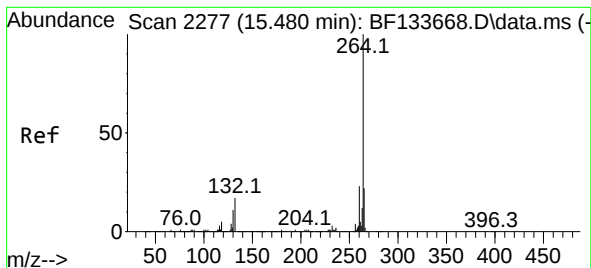
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.857 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF133942.D
Acq: 23 Jun 2023 14:38

Tgt Ion:149 Resp: 25211
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 5.5 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-14

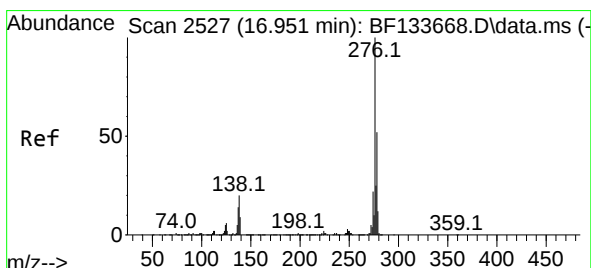
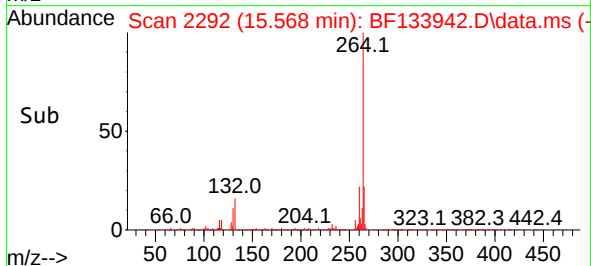
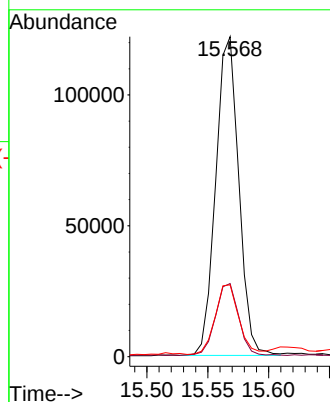
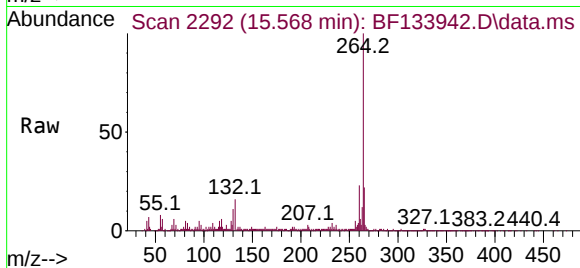
Tgt Ion:	264	Resp:	16036
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.2	27.2
265	22.5	17.8	26.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.054 ng

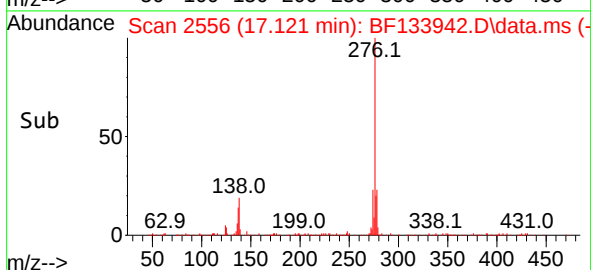
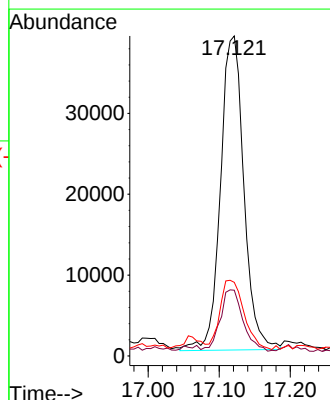
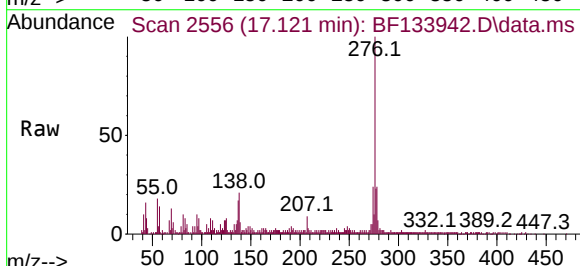
RT: 17.121 min Scan# 2556

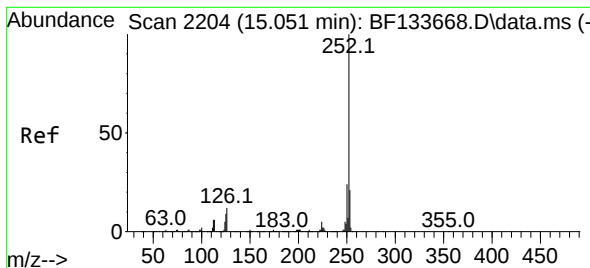
Delta R.T. 0.000 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Tgt Ion:	276	Resp:	88859
Ion Ratio	Lower	Upper	
276	100		
138	18.8	17.9	26.9
277	22.7	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 22.478 ng m

RT: 15.121 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-14

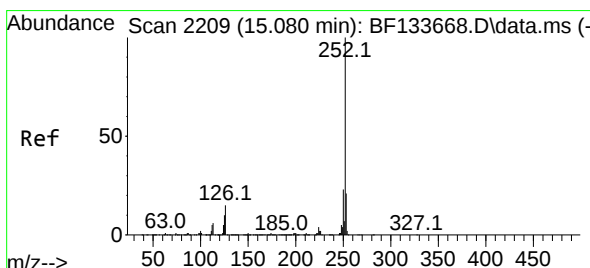
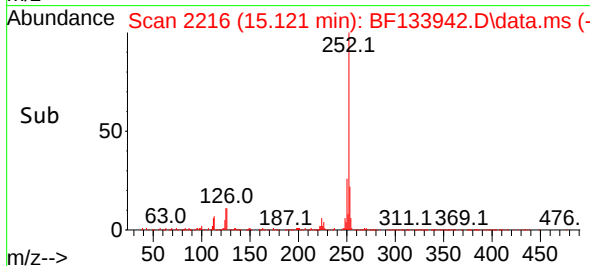
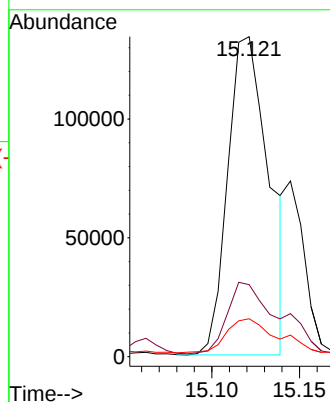
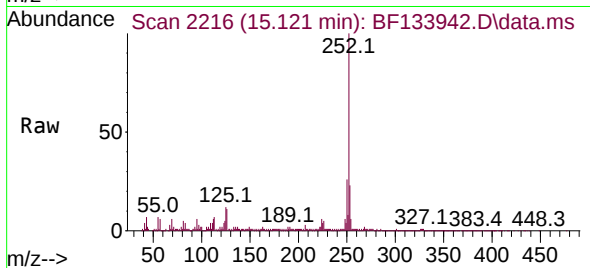
Tgt Ion:252 Resp: 218970
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.0 25.6
 125 11.9 7.3 10.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#89

Benzo(k)fluoranthene

Concen: 5.814 ng m

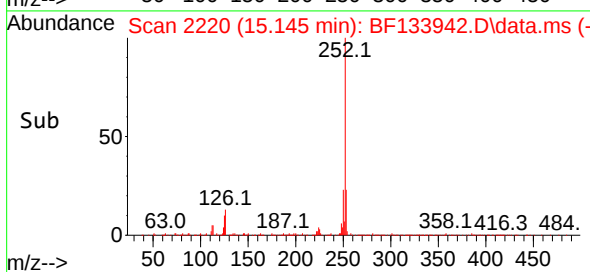
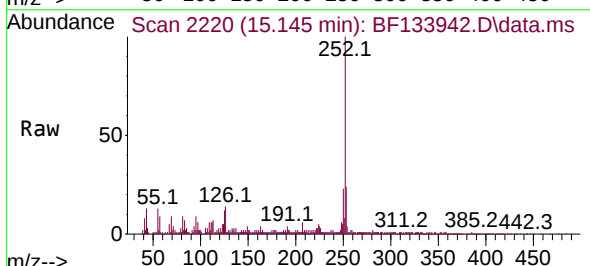
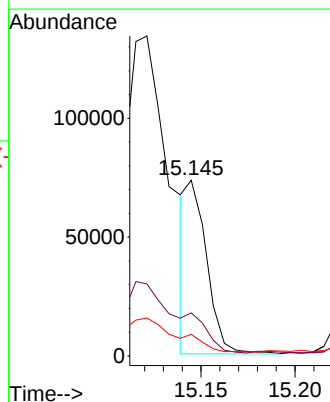
RT: 15.145 min Scan# 2220

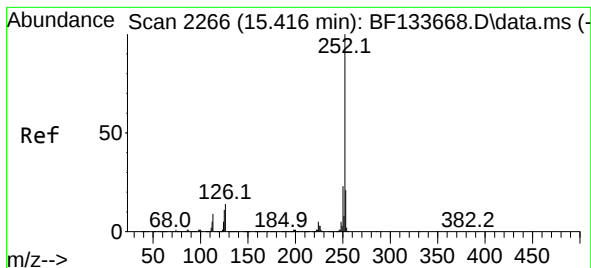
Delta R.T. 0.000 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Tgt Ion:252 Resp: 55170
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.0 25.4
 125 12.3 7.8 11.6





#90

Benzo(a)pyrene

Concen: 16.071 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

Instrument :

BNA_F

ClientSampleId :

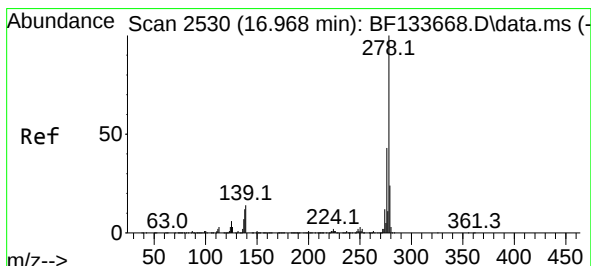
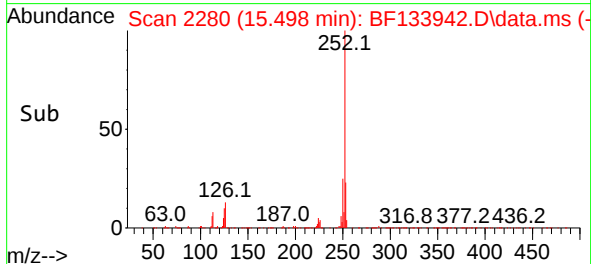
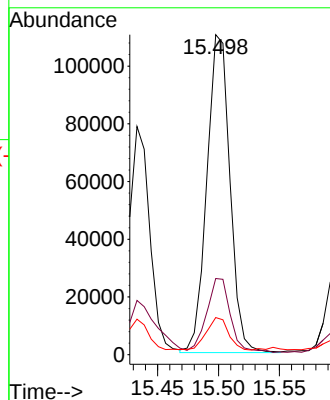
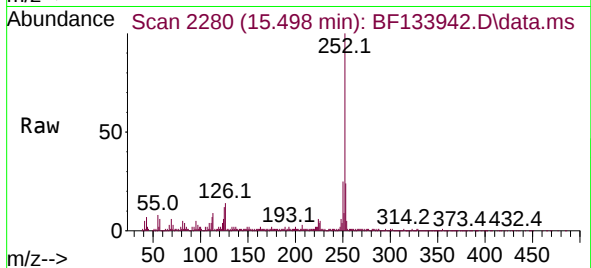
COMPOSIT-SB-14

Tgt Ion:252 Resp: 145299
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.1 25.7
 125 11.6 8.6 13.0

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 2.479 ng

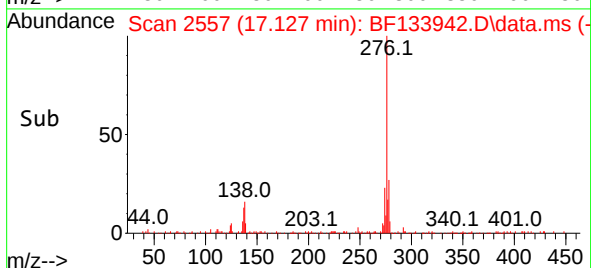
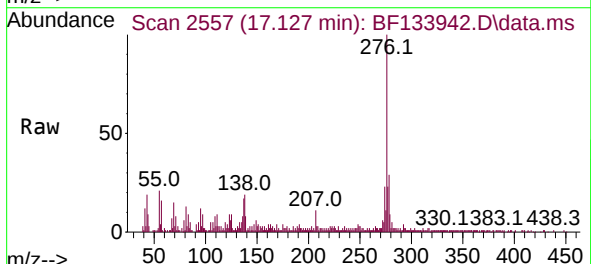
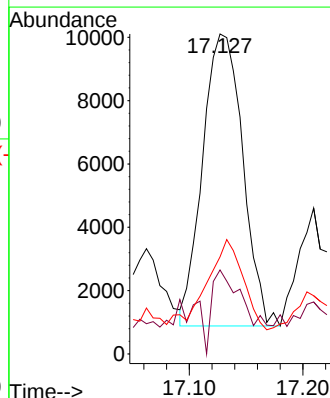
RT: 17.127 min Scan# 2557

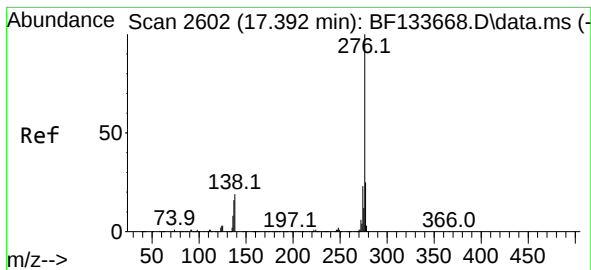
Delta R.T. -0.012 min

Lab File: BF133942.D

Acq: 23 Jun 2023 14:38

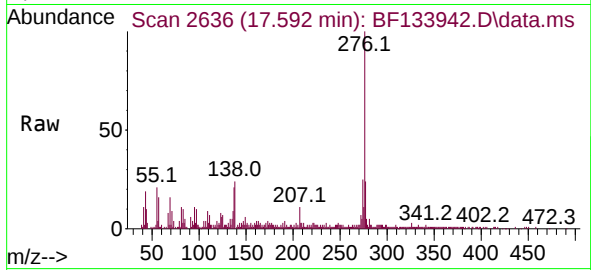
Tgt Ion:278 Resp: 22643
 Ion Ratio Lower Upper
 278 100
 139 26.2 11.4 17.2#
 279 30.3 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 8.855 ng
 RT: 17.592 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133942.D
 Acq: 23 Jun 2023 14:38

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-14



Tgt Ion: 276 Resp: 80189

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	23.9	15.0	22.4

Manual Integrations
 APPROVED

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

