

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133923.D
 Acq On : 23 Jun 2023 03:05
 Operator : CG\JU
 Sample : 03328-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-8-15

Quant Time: Jun 23 05:07:08 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 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	95095	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	366490	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	178766	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	310565	20.000	ng	0.00
76) Chrysene-d12	14.045	240	176075	20.000	ng	-0.01
86) Perylene-d12	15.557	264	189595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	605698	110.885	ng	0.00
7) Phenol-d6	6.492	99	745045	104.785	ng	0.00
23) Nitrobenzene-d5	7.422	82	492287	73.162	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	216698	95.763	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	932798	74.174	ng	0.00
79) Terphenyl-d14	12.986	244	780895	68.625	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	94245	5.278	ng	99
37) 2-Methylnaphthalene	8.851	142	27204	2.193	ng	99
52) Acenaphthene	9.928	154	42401	4.024	ng	99
55) Dibenzofuran	10.098	168	51980	3.233	ng	99
58) Fluorene	10.445	166	67907	5.523	ng	99
71) Phenanthrene	11.416	178	546200	34.665	ng	99
72) Anthracene	11.463	178	149720	9.113	ng	100
73) Carbazole	11.622	167	57237	3.741	ng	97
75) Fluoranthene	12.610	202	642886	38.422	ng	99
78) Pyrene	12.839	202	519273	31.659	ng	99
81) Benzo(a)anthracene	14.039	228	279883	22.980	ng	95
83) Chrysene	14.074	228	238748	20.726	ng	95
87) Indeno(1,2,3-cd)pyrene	17.098	276	115306	8.840	ng	98
88) Benzo(b)fluoranthene	15.110	252	320487m	27.827	ng	
89) Benzo(k)fluoranthene	15.133	252	102491m	9.135	ng	
90) Benzo(a)pyrene	15.492	252	229173	21.441	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	31922m	2.956	ng	
92) Benzo(g,h,i)perylene	17.568	276	102517	9.575	ng	96

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

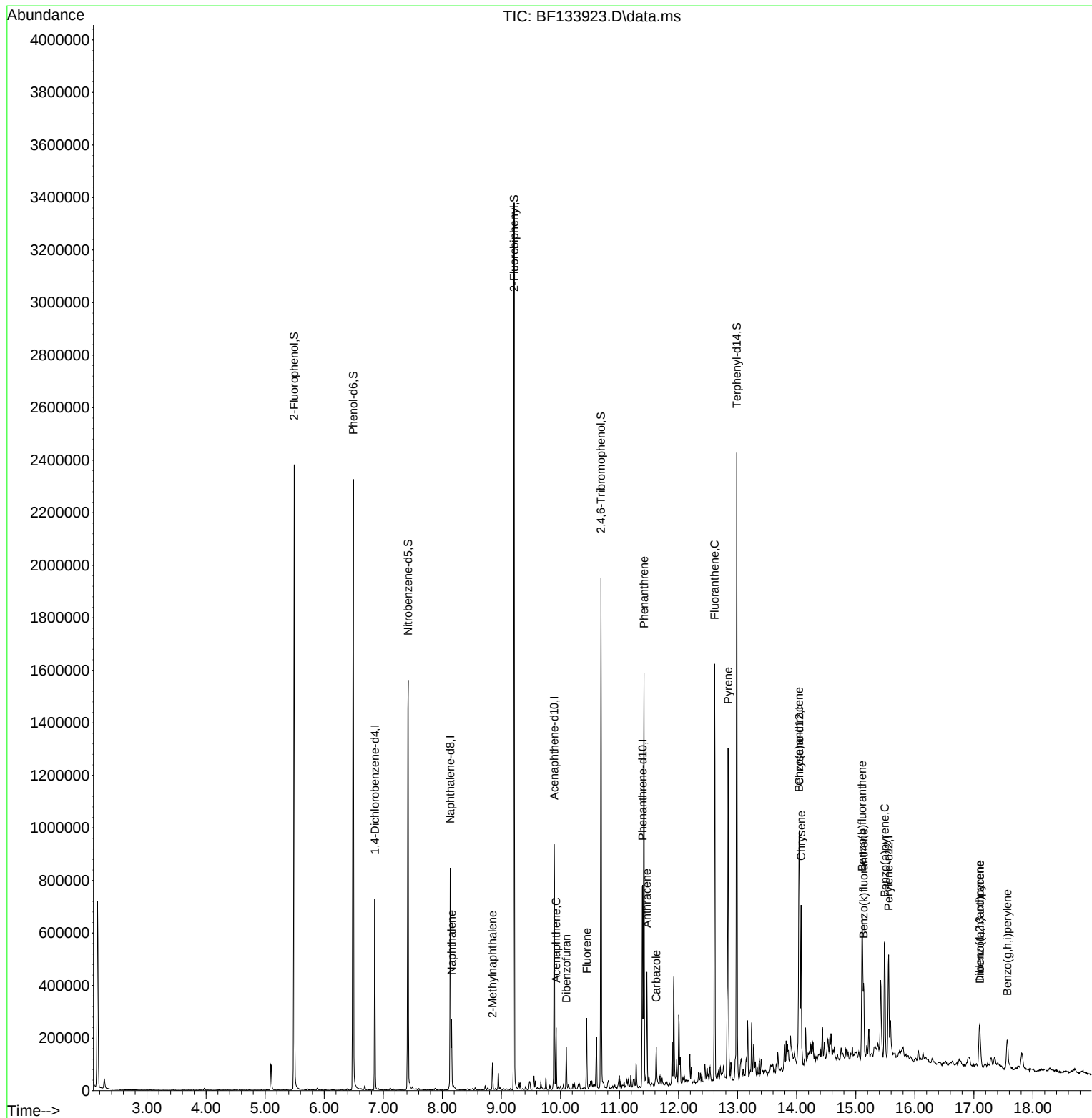
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
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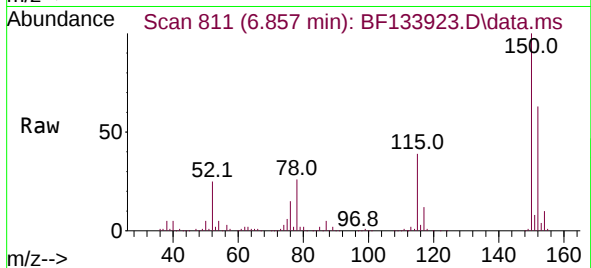
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

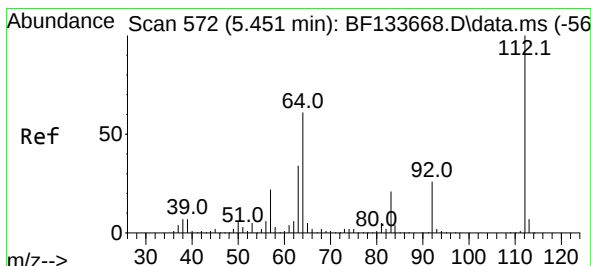
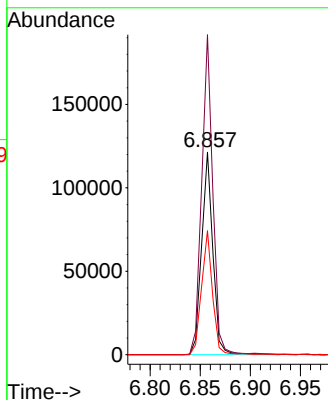
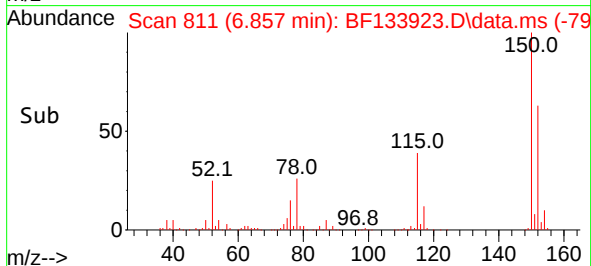
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



Tgt Ion:152 Resp: 9509
Ion Ratio Lower Upper
152 100
150 157.8 124.3 186.5
115 61.1 48.5 72.7

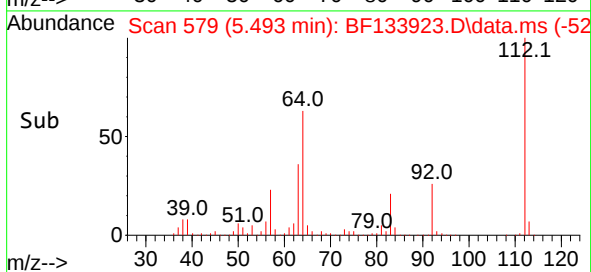
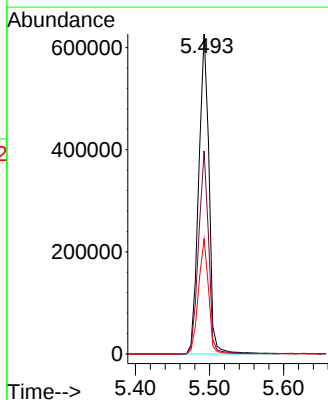
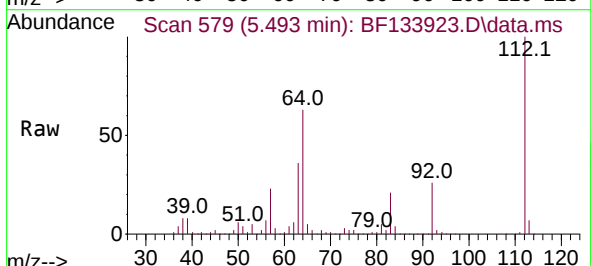
Manual Integrations
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Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#5
2-Fluorophenol
Concen: 110.885 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

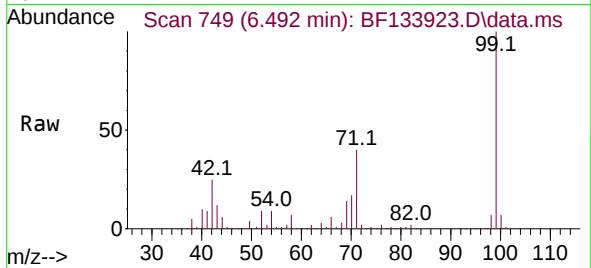
Tgt Ion:112 Resp: 605698
Ion Ratio Lower Upper
112 100
64 63.5 49.0 73.4
63 36.0 26.8 40.2





#7
Phenol-d6
Concen: 104.785 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

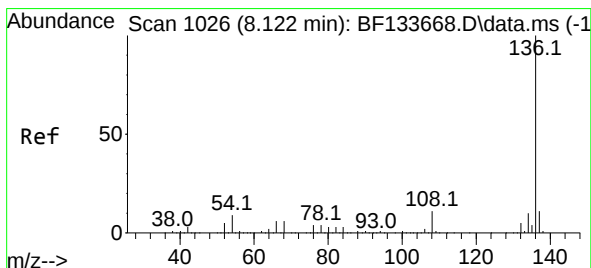
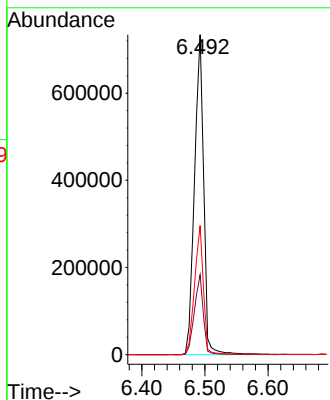
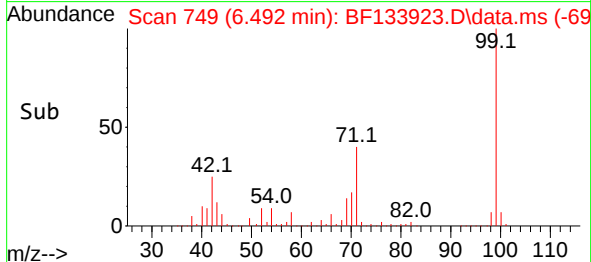
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



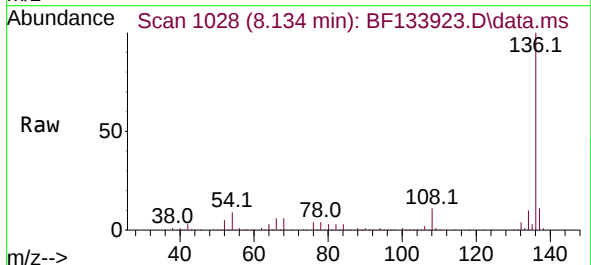
Tgt Ion: 99 Resp: 745045
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.4 32.2 48.4

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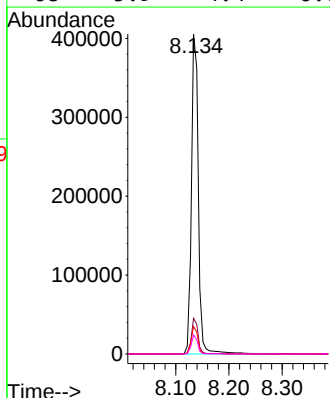
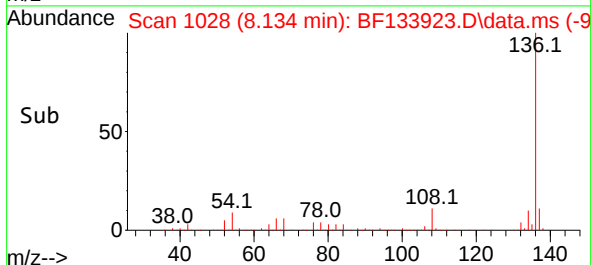
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05



Tgt Ion:136 Resp: 366490
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.6 7.4 11.0
68 5.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 73.162 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133923.D

Acq: 23 Jun 2023 03:05

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-8-15

Tgt Ion: 82 Resp: 49228

Ion Ratio Lower Upper

82 100

128 44.5 34.2 51.2

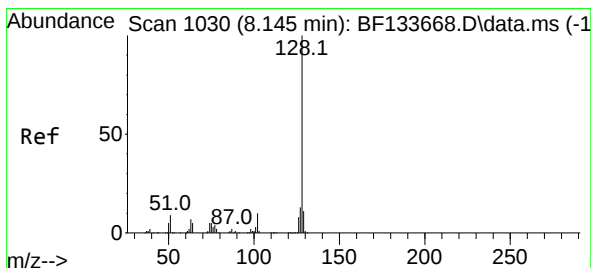
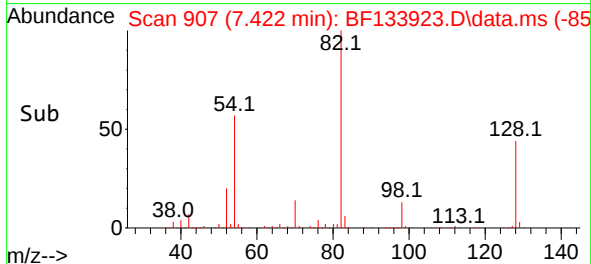
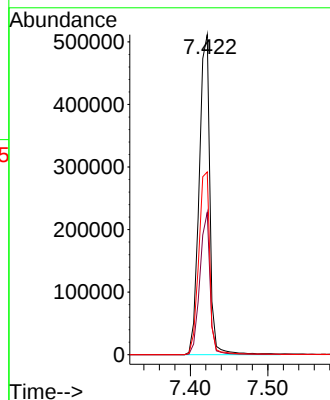
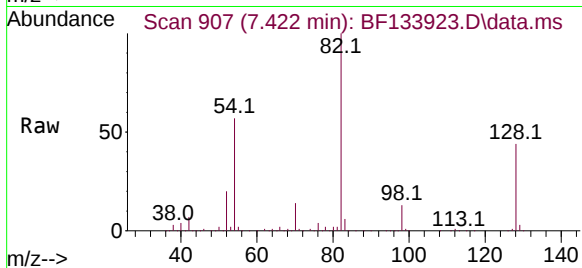
54 57.1 46.5 69.7

Manual Integrations

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#31

Naphthalene

Concen: 5.278 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF133923.D

Acq: 23 Jun 2023 03:05

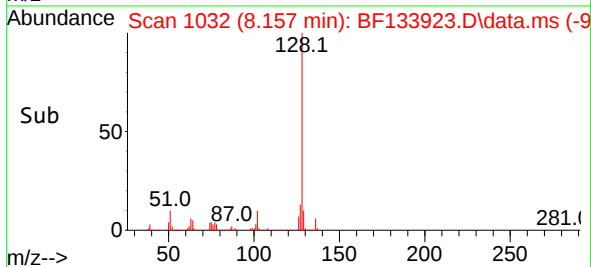
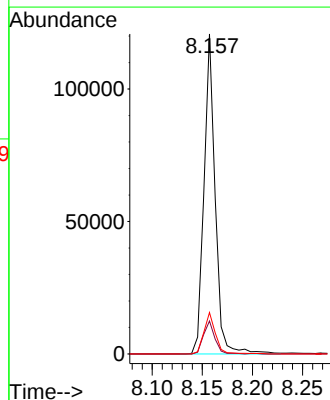
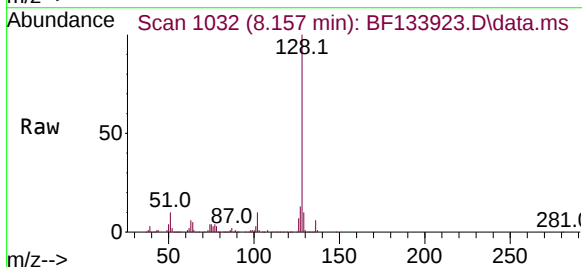
Tgt Ion:128 Resp: 94245

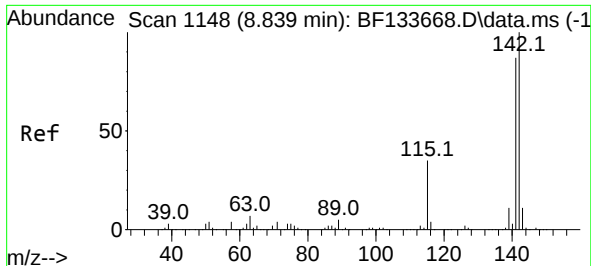
Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

127 12.9 10.5 15.7





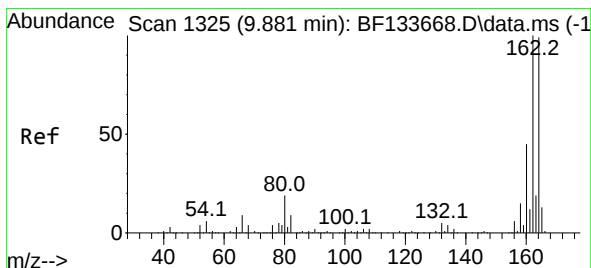
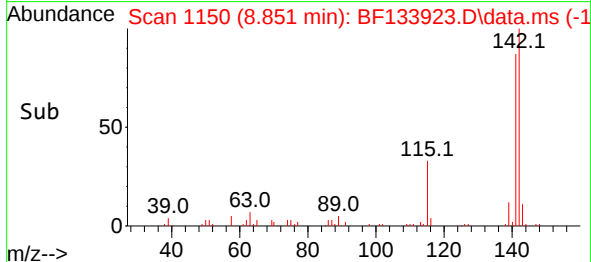
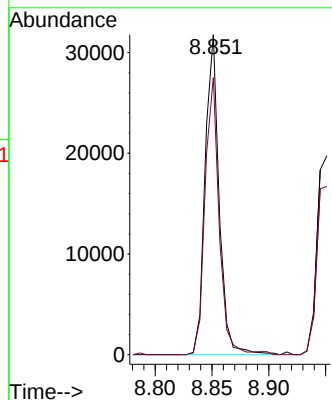
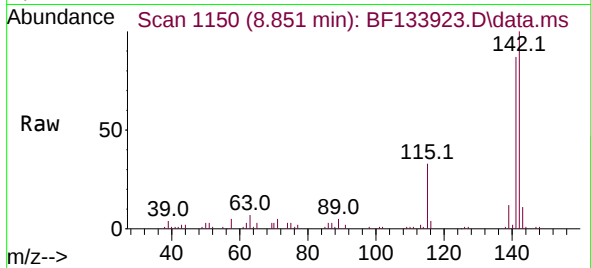
#37
2-Methylnaphthalene
Concen: 2.193 ng
RT: 8.851 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15

Tgt Ion:142 Resp: 27204
Ion Ratio Lower Upper
142 100
141 86.6 69.8 104.8

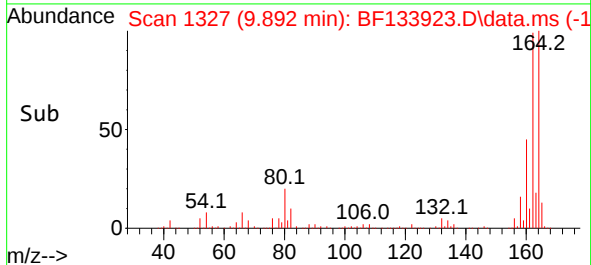
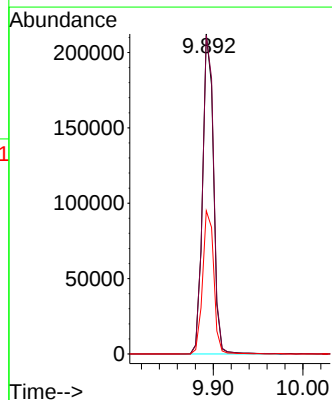
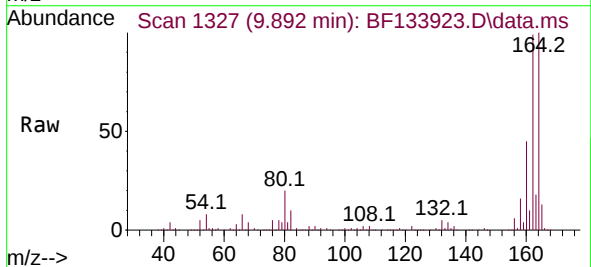
Manual Integrations
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Supervised By :mohammad ahmed 06/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

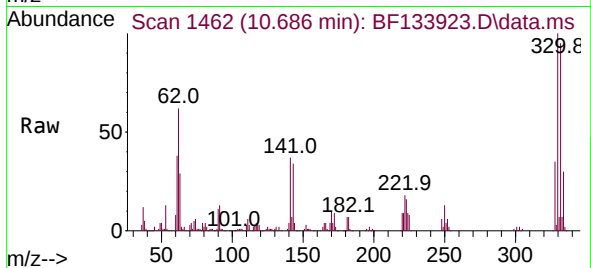
Tgt Ion:164 Resp: 178766
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 44.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 95.763 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

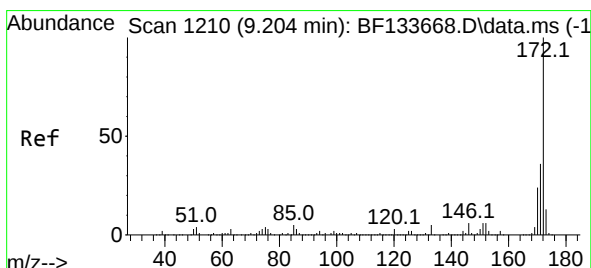
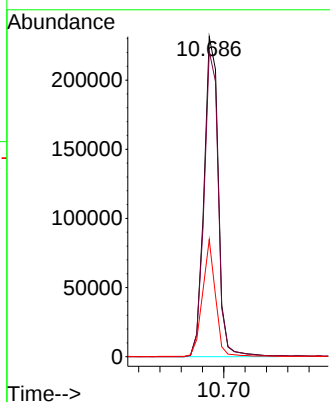
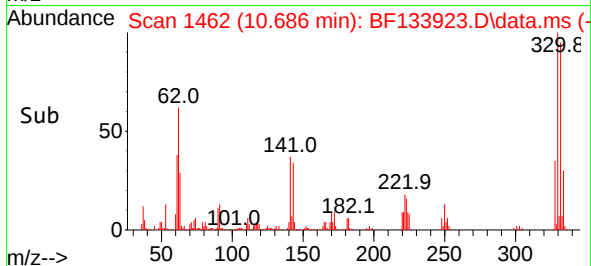
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



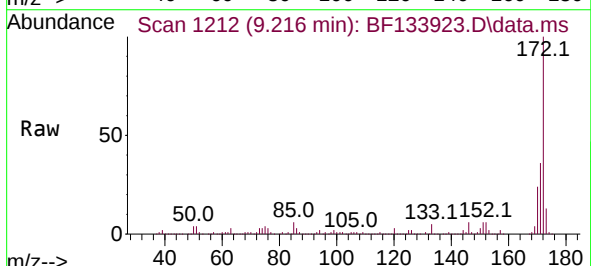
Tgt Ion: 330 Resp: 216698
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 33.0 24.9 37.3

Manual Integrations
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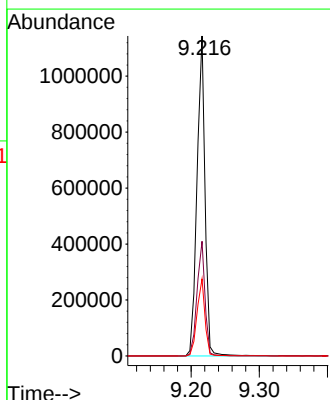
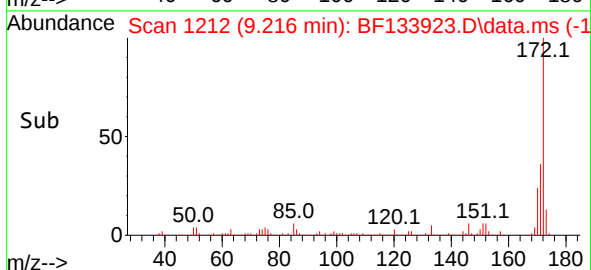
Reviewed By : Yogesh Patel 06/23/2023
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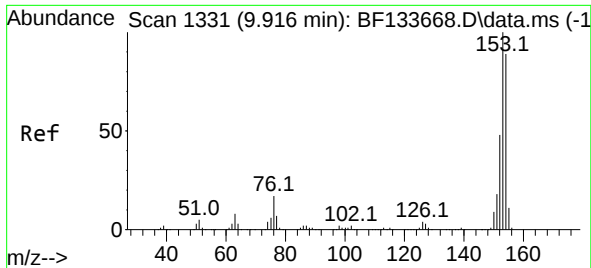


#45
2-Fluorobiphenyl
Concen: 74.174 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05



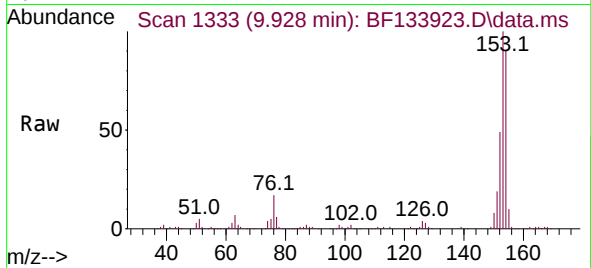
Tgt Ion: 172 Resp: 932798
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.1 19.1 28.7





#52
Acenaphthene
Concen: 4.024 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

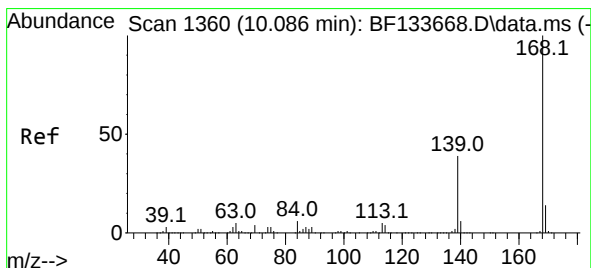
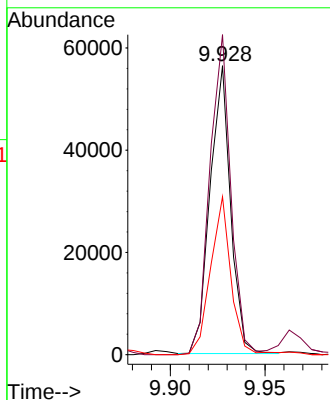
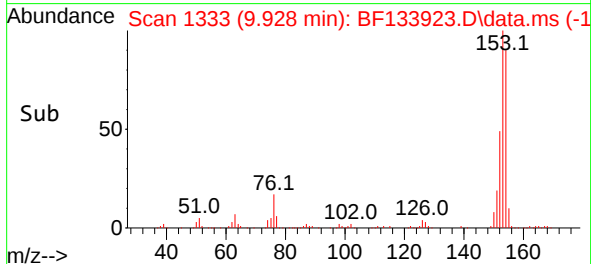
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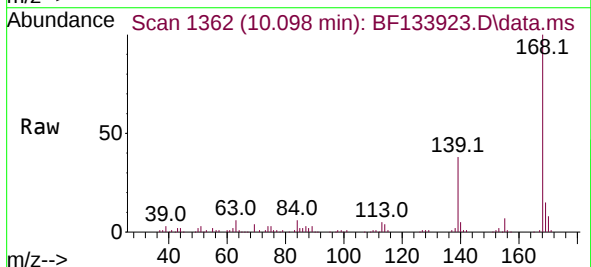
Tgt Ion:154 Resp: 4240
Ion Ratio Lower Upper
154 100
153 110.7 89.8 134.8
152 54.7 43.4 65.2

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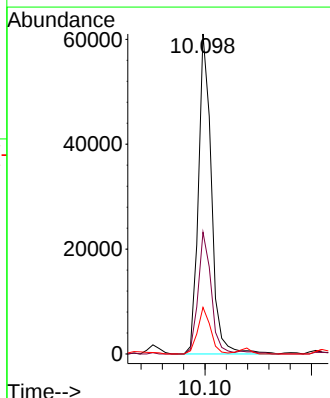
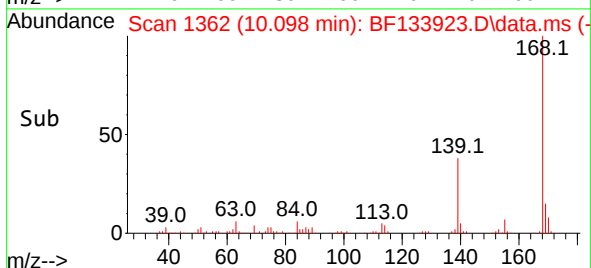
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

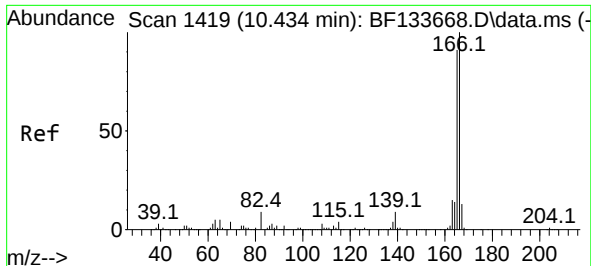


#55
Dibenzofuran
Concen: 3.233 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05



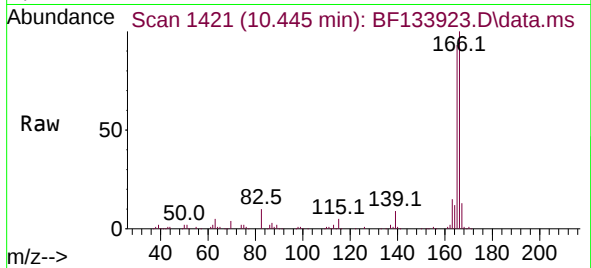
Tgt Ion:168 Resp: 51980
Ion Ratio Lower Upper
168 100
139 38.0 30.9 46.3
169 14.5 10.9 16.3





#58
Fluorene
Concen: 5.523 ng
RT: 10.445 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

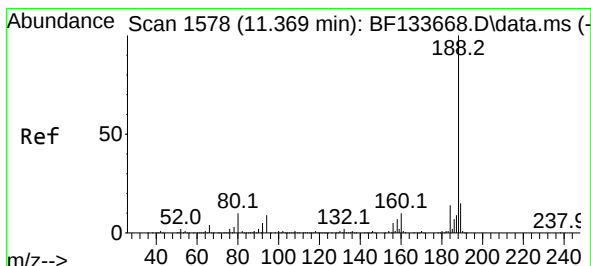
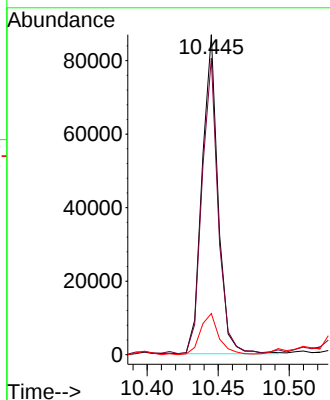
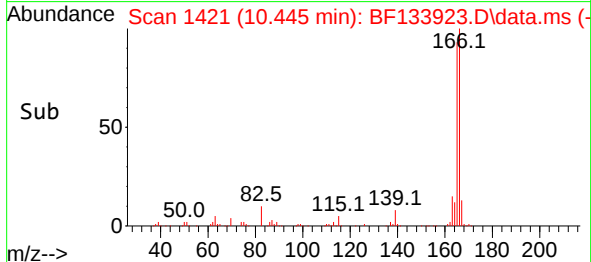
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



Tgt Ion:166 Resp: 6790
Ion Ratio Lower Upper
166 100
165 92.7 73.1 109.7
167 12.9 10.5 15.7

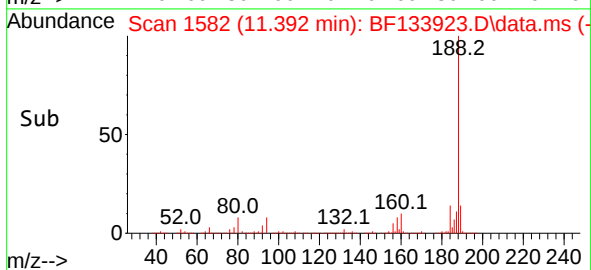
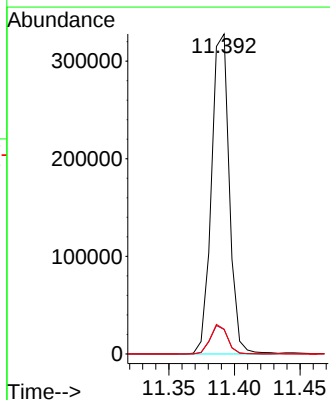
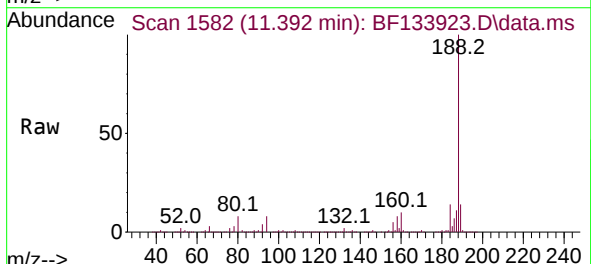
Manual Integrations
APPROVED

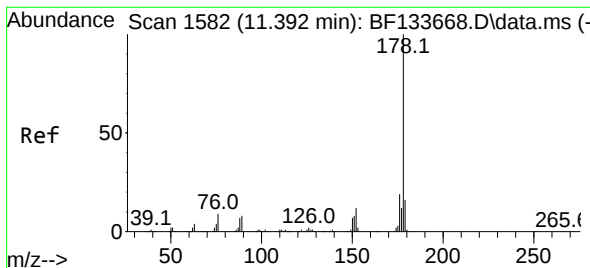
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

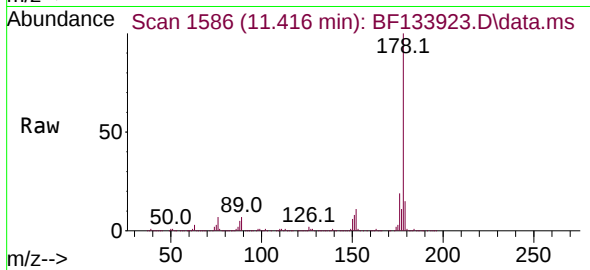
Tgt Ion:188 Resp: 310565
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 7.8 7.8 11.6





#71
Phenanthrene
Concen: 34.665 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

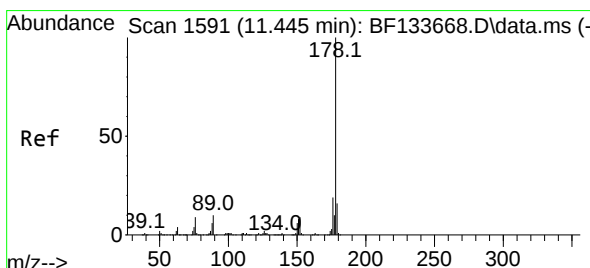
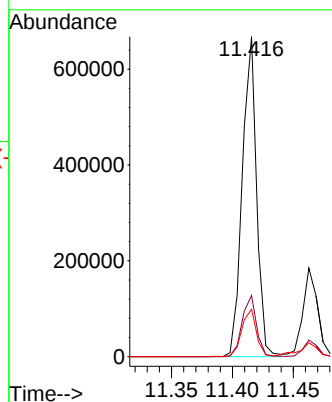
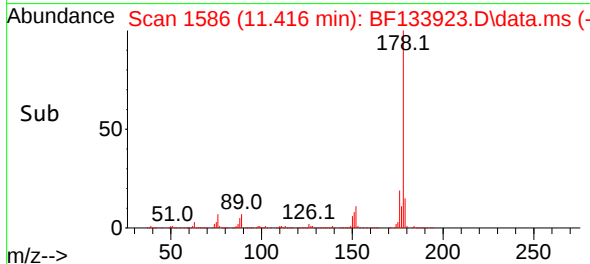
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



Tgt Ion:178 Resp: 546200
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.8 12.4 18.6

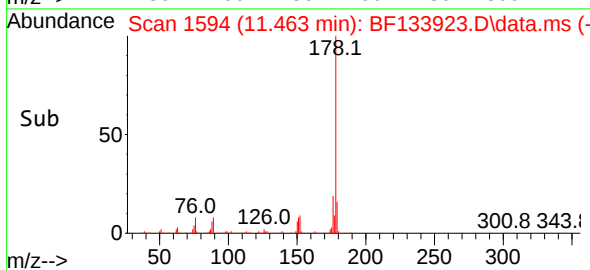
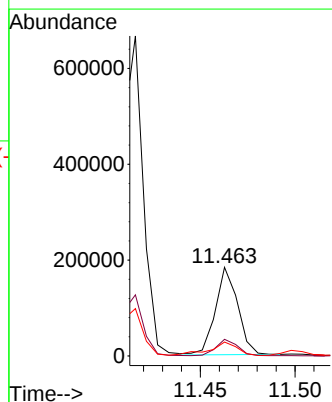
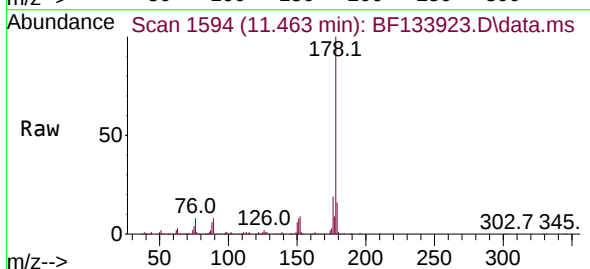
Manual Integrations
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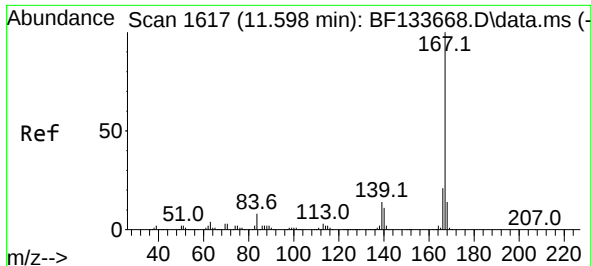
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#72
Anthracene
Concen: 9.113 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

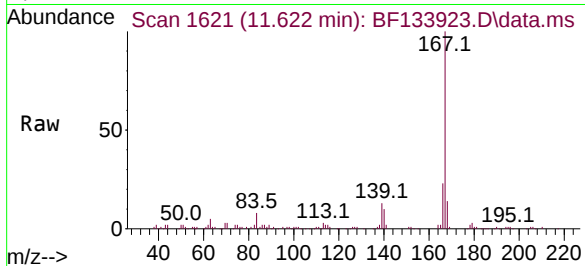
Tgt Ion:178 Resp: 149720
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.6 12.6 18.8





#73
 Carbazole
 Concen: 3.741 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133923.D
 Acq: 23 Jun 2023 03:05

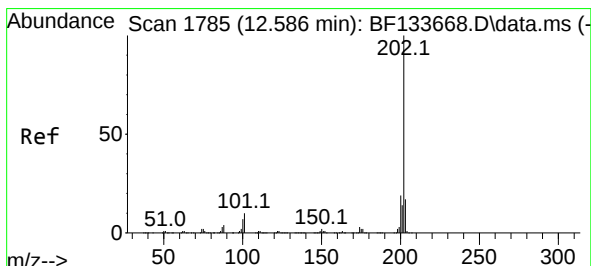
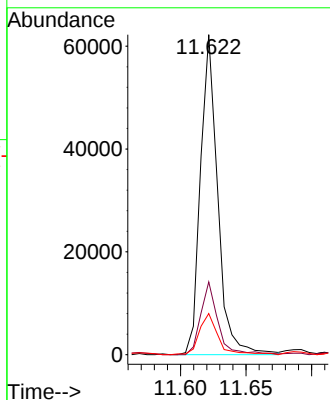
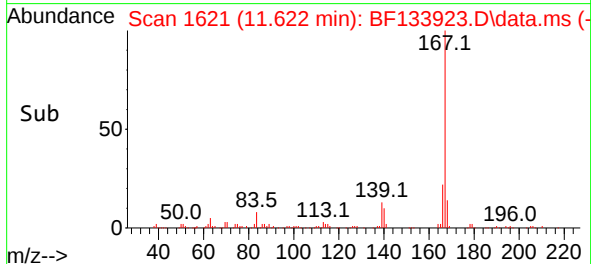
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-8-15



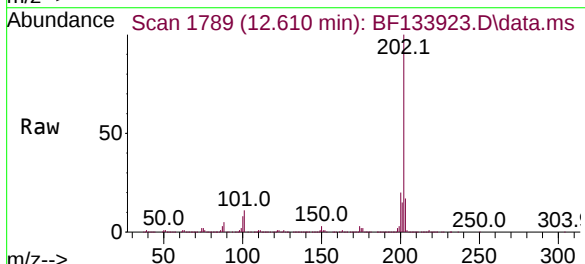
Tgt Ion:167 Resp: 5723
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 12.8 11.2 16.8

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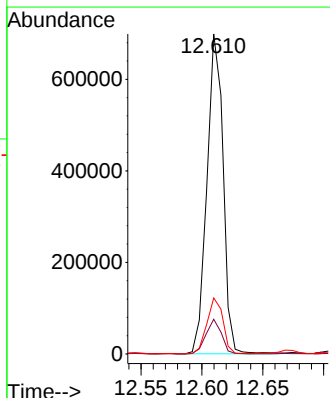
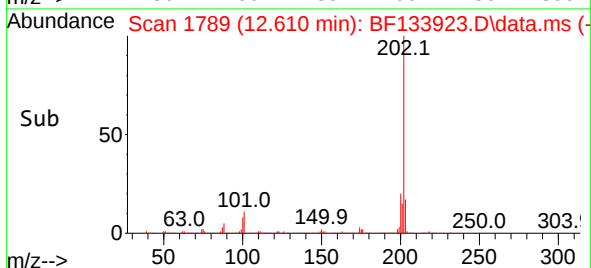
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

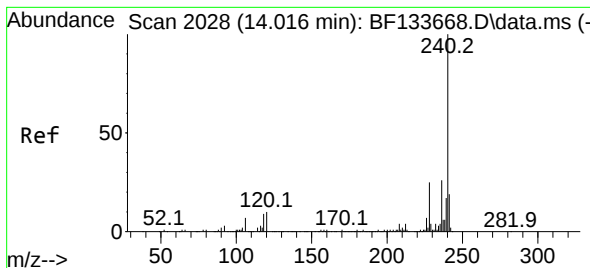


#75
 Fluoranthene
 Concen: 38.422 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133923.D
 Acq: 23 Jun 2023 03:05



Tgt Ion:202 Resp: 642886
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.5 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: BF133923.D

Acq: 23 Jun 2023 03:05

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-8-15

Tgt Ion:240 Resp: 176075

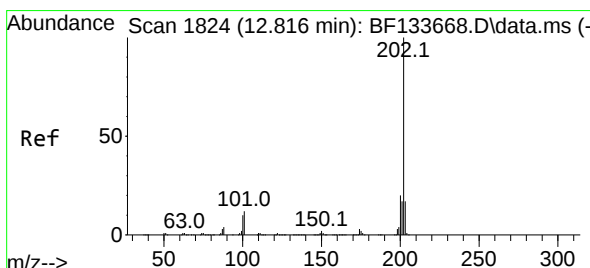
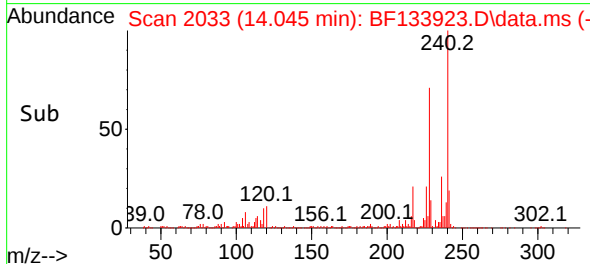
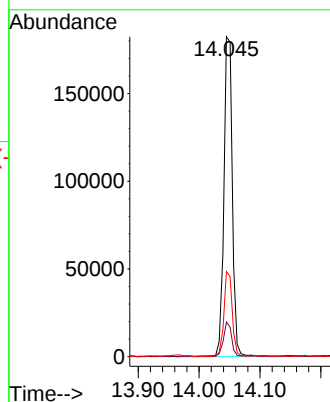
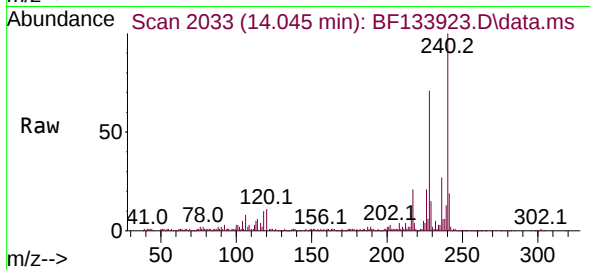
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.1	12.1
236	26.6	20.5	30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#78

Pyrene

Concen: 31.659 ng

RT: 12.839 min Scan# 1828

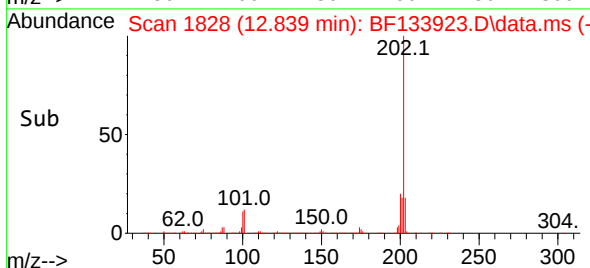
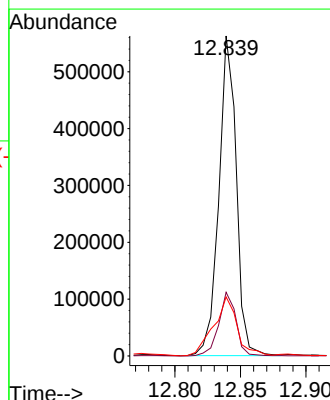
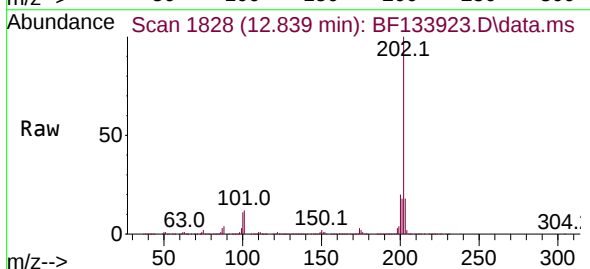
Delta R.T. -0.006 min

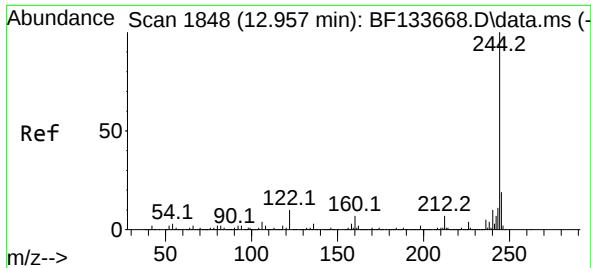
Lab File: BF133923.D

Acq: 23 Jun 2023 03:05

Tgt Ion:202 Resp: 519273

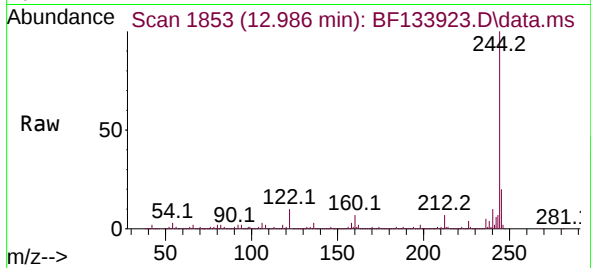
Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	18.5	13.9	20.9





#79
 Terphenyl-d14
 Concen: 68.625 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133923.D
 Acq: 23 Jun 2023 03:05

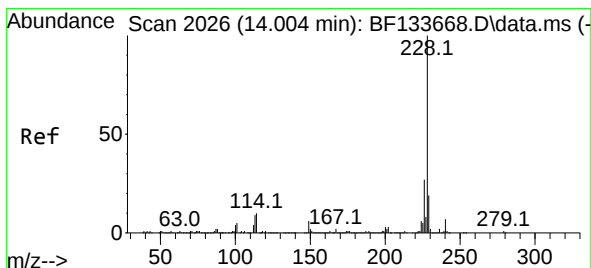
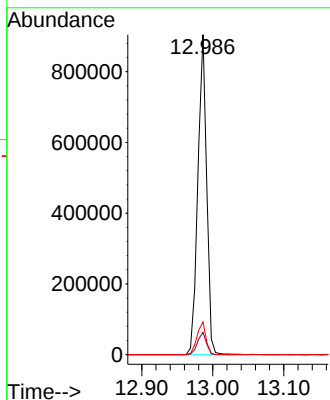
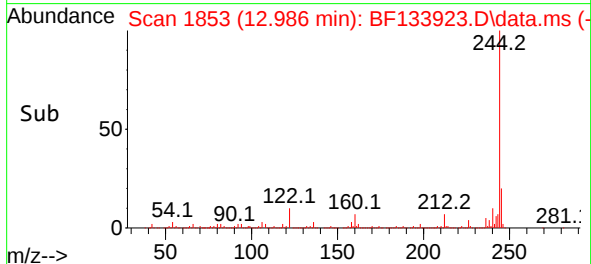
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-8-15



Tgt Ion:244 Resp: 78089
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.3 8.1 12.1

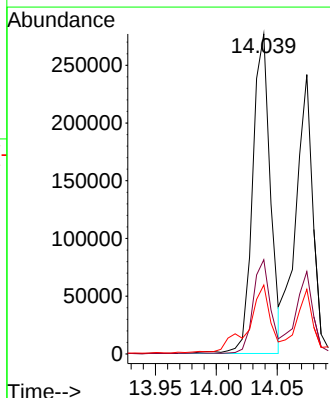
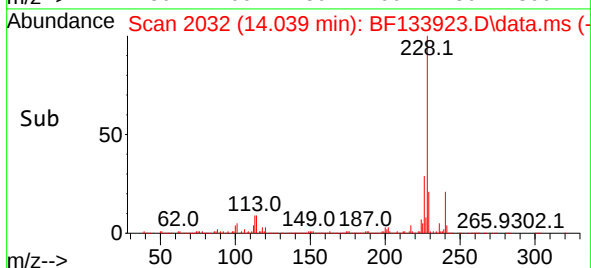
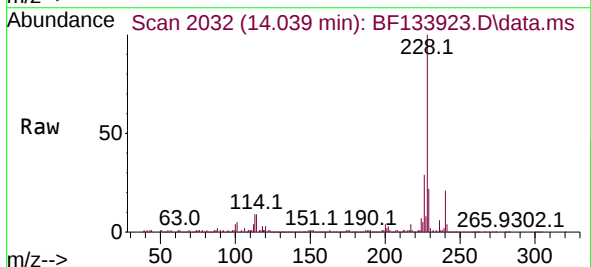
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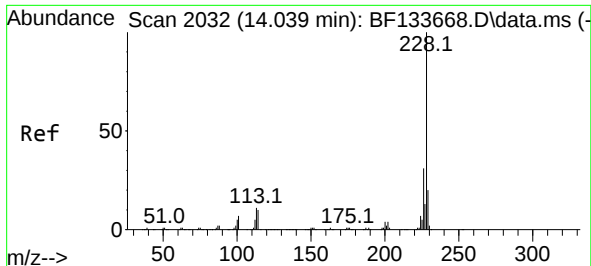
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#81
 Benzo(a)anthracene
 Concen: 22.980 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133923.D
 Acq: 23 Jun 2023 03:05

Tgt Ion:228 Resp: 279883
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.7 32.5
 229 21.5 15.4 23.2





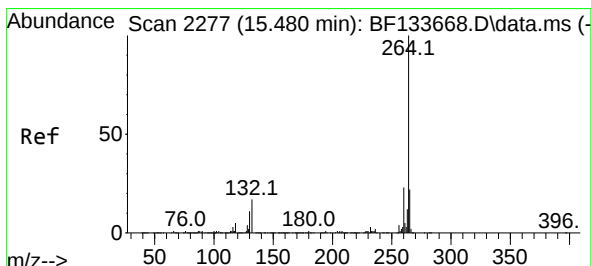
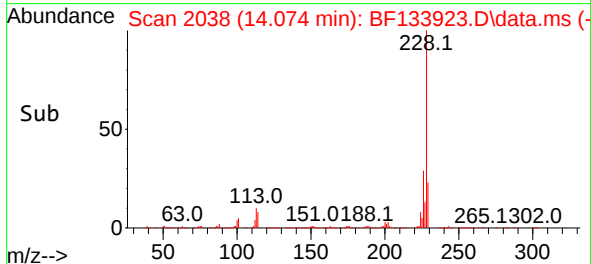
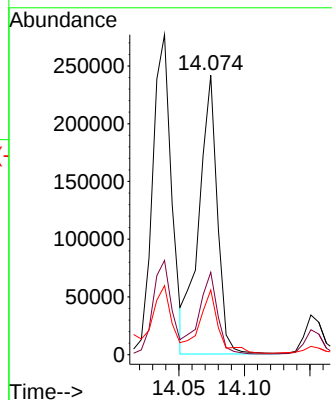
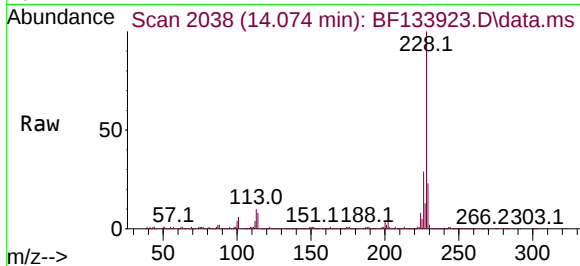
#83
Chrysene
Concen: 20.726 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15

Tgt Ion:228 Resp: 238748
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 23.1 15.8 23.8

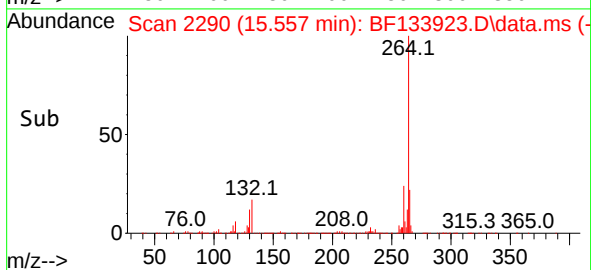
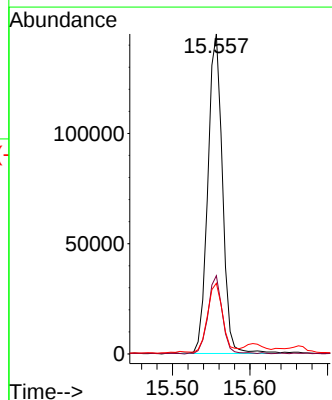
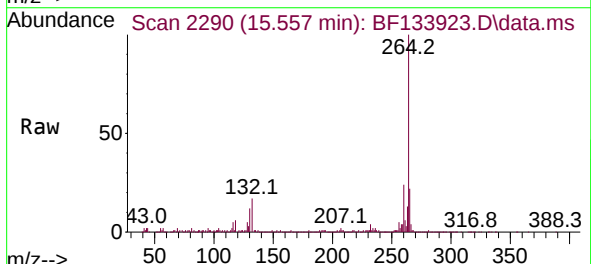
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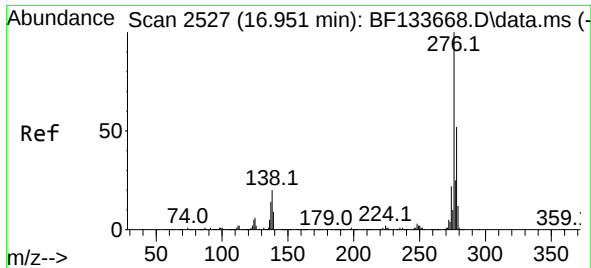
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

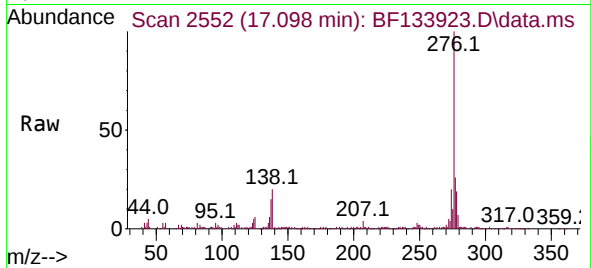
Tgt Ion:264 Resp: 189595
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.2
265 22.1 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.840 ng
RT: 17.098 min Scan# 2114
Delta R.T. -0.023 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

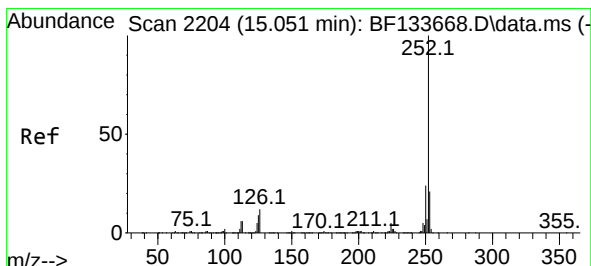
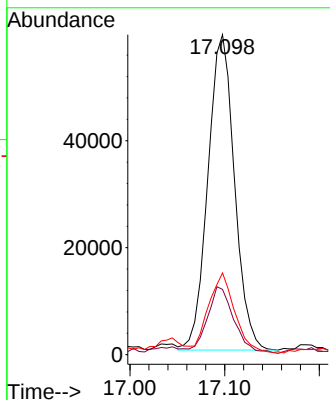
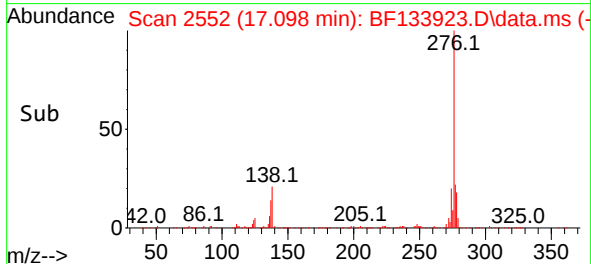
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



Tgt Ion:276 Resp: 115300
Ion Ratio Lower Upper
276 100
138 21.1 17.9 26.9
277 24.8 20.3 30.5

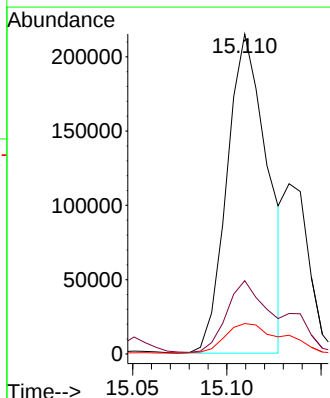
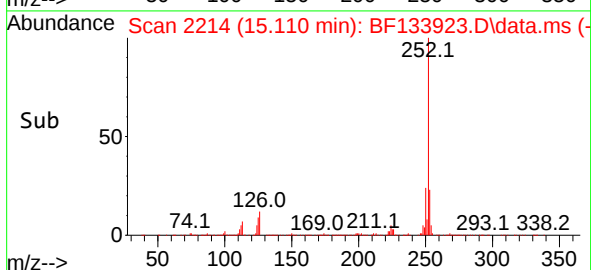
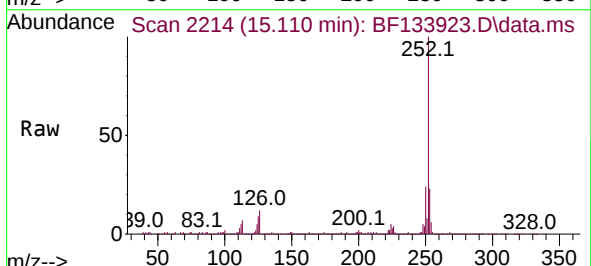
Manual Integrations
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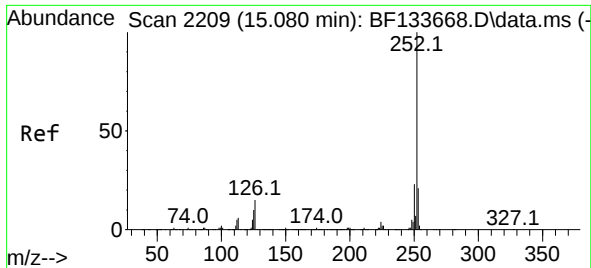
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#88
Benzo(b)fluoranthene
Concen: 27.827 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

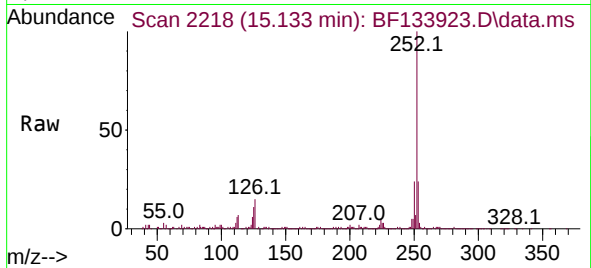
Tgt Ion:252 Resp: 320487
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 9.5 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 9.135 ng m
RT: 15.133 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

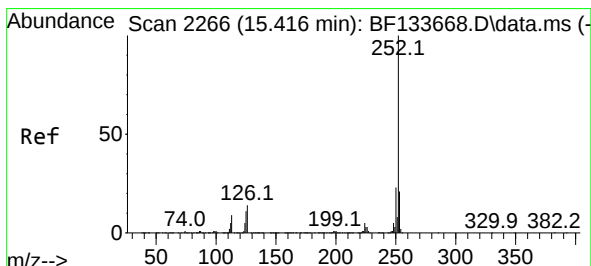
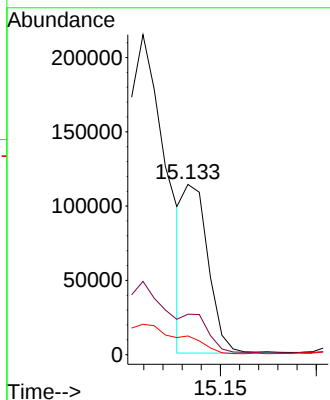
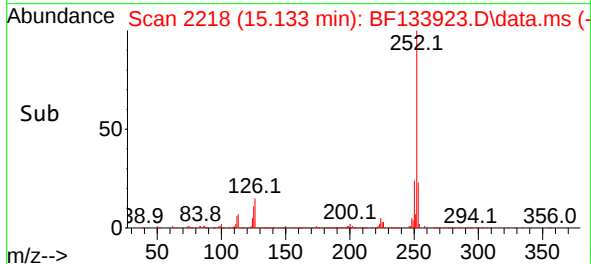
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15



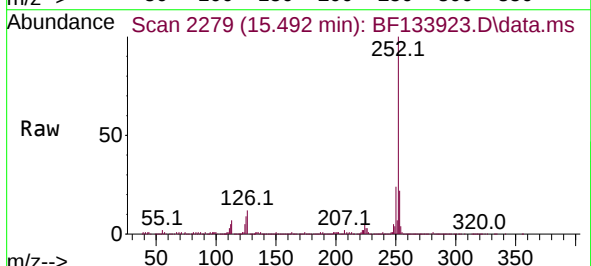
Tgt Ion:252 Resp: 10249
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.4
125 11.0 7.8 11.6

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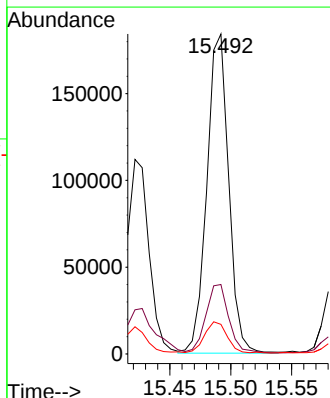
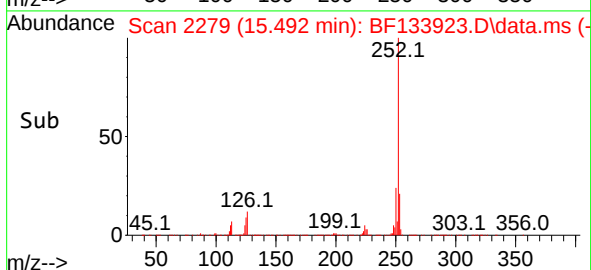
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

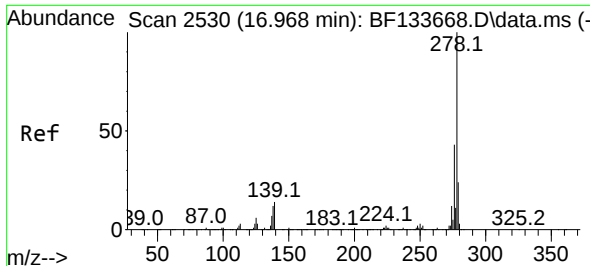


#90
Benzo(a)pyrene
Concen: 21.441 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05



Tgt Ion:252 Resp: 229173
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.2 8.6 13.0





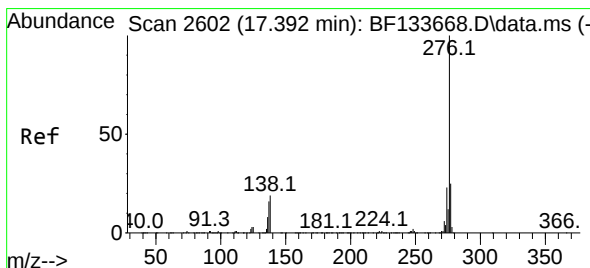
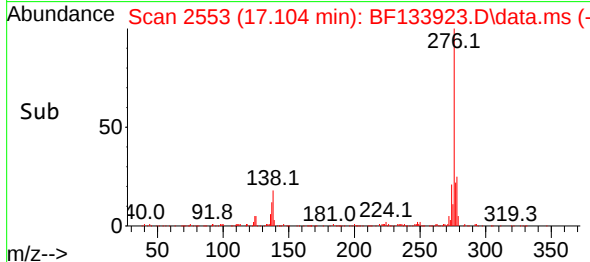
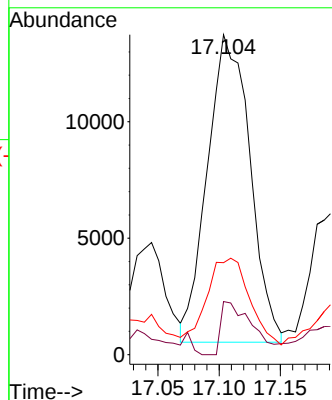
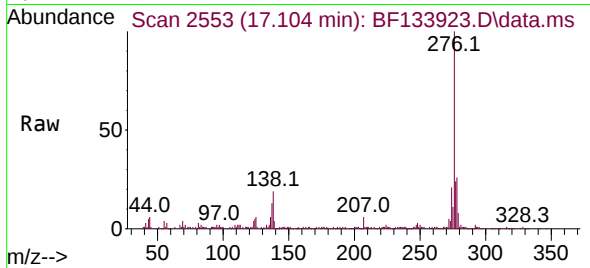
#91
Dibenzo(a,h)anthracene
Concen: 2.956 ng m
RT: 17.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-8-15

Tgt Ion:278 Resp: 3192
Ion Ratio Lower Upper
278 100
139 16.6 11.4 17.2
279 28.7 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: 9.575 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.023 min
Lab File: BF133923.D
Acq: 23 Jun 2023 03:05

Tgt Ion:276 Resp: 102517
Ion Ratio Lower Upper
276 100
277 23.6 19.8 29.8
138 21.1 15.0 22.4

