

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134047.D
 Acq On : 29 Jun 2023 20:51
 Operator : CG\JU
 Sample : 03361-01RE 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-28-29RE

Quant Time: Jun 30 05:14:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	81946	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	273031	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	115011	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	243934	20.000	ng	0.00
76) Chrysene-d12	14.045	240	139708	20.000	ng	0.00
86) Perylene-d12	15.551	264	117235	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	230925	47.139	ng	0.00
7) Phenol-d6	6.481	99	256549	42.584	ng	-0.01
23) Nitrobenzene-d5	7.404	82	162658	32.114	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	44688	30.990	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	293438	37.094	ng	0.00
79) Terphenyl-d14	12.974	244	350767	40.408	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	28844	2.187	ng	99
37) 2-Methylnaphthalene	8.839	142	18698	2.005	ng	98
49) Acenaphthylene	9.745	152	31346	2.718	ng	98
52) Acenaphthene	9.916	154	23449	3.505	ng	97
55) Dibenzofuran	10.092	168	23596	2.257	ng	96
58) Fluorene	10.433	166	24265m	2.983	ng	
71) Phenanthrene	11.404	178	298915	24.342	ng	99
72) Anthracene	11.457	178	80109	6.272	ng	98
73) Carbazole	11.616	167	38512	3.294	ng	99
75) Fluoranthene	12.604	202	523286	39.416	ng	98
78) Pyrene	12.833	202	451125	34.697	ng	100
81) Benzo(a)anthracene	14.033	228	198772	20.515	ng	95
83) Chrysene	14.068	228	186562m	19.880	ng	
84) Bis(2-ethylhexyl)phtha...	14.021	149	27031	4.824	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.098	276	81914	10.069	ng	94
88) Benzo(b)fluoranthene	15.104	252	199204m	28.897	ng	
89) Benzo(k)fluoranthene	15.133	252	78267m	11.151	ng	
90) Benzo(a)pyrene	15.486	252	139956	20.996	ng	97
91) Dibenzo(a,h)anthracene	17.109	278	19877	2.991	ng	# 73
92) Benzo(g,h,i)perylene	17.574	276	77217	11.269	ng	97

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

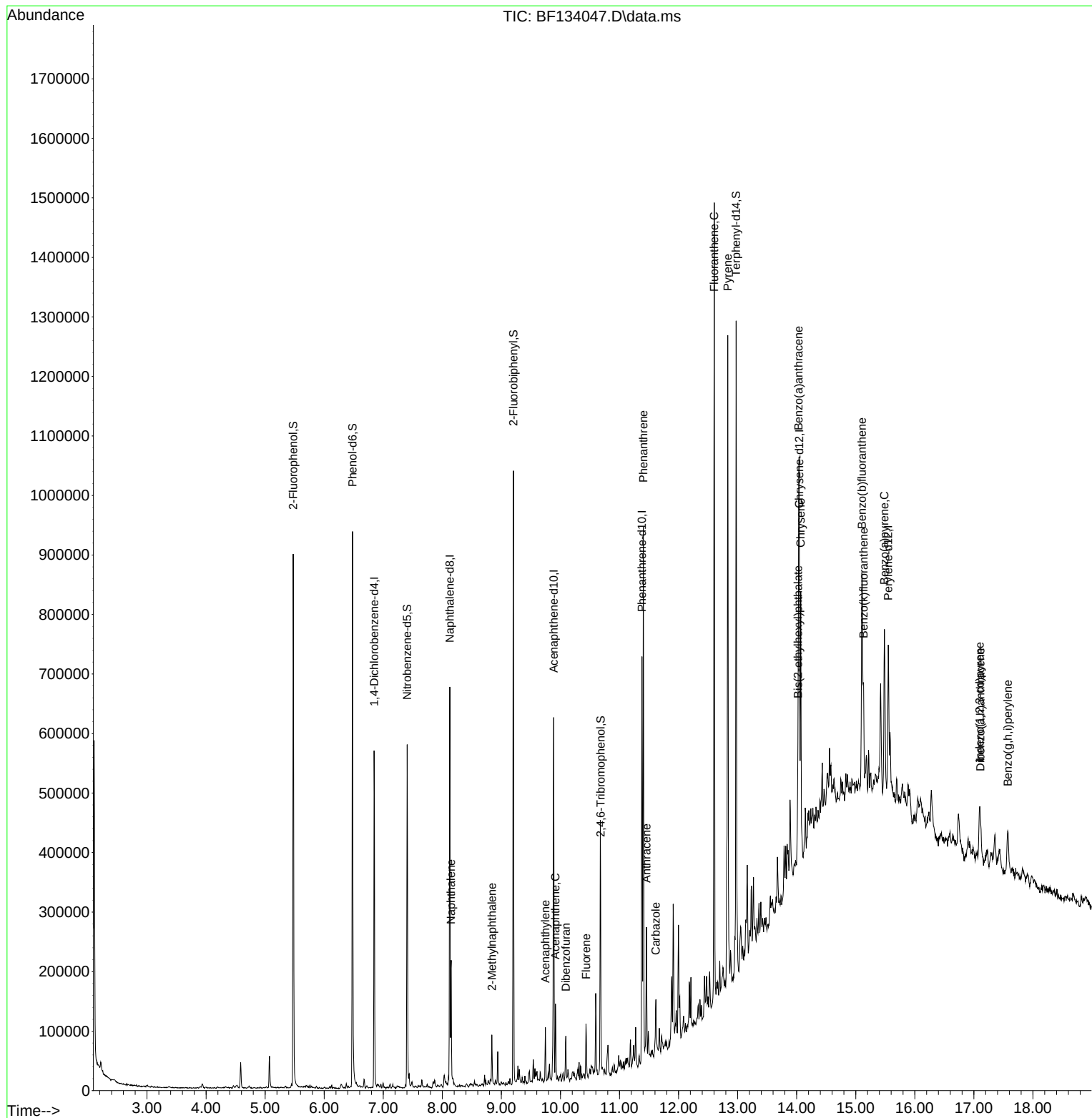
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
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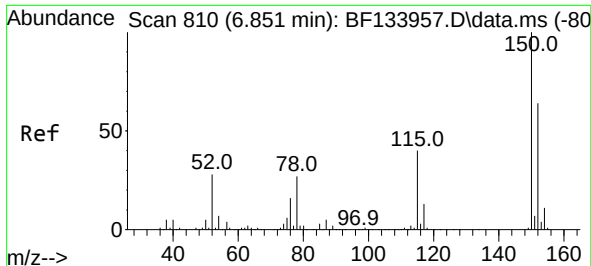
Instrument :
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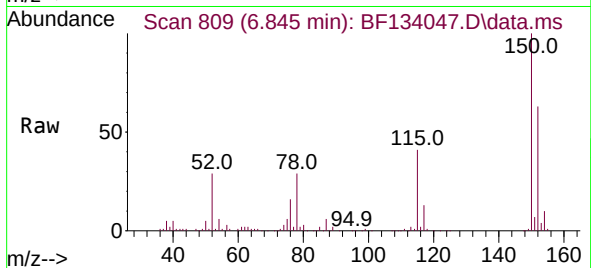
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

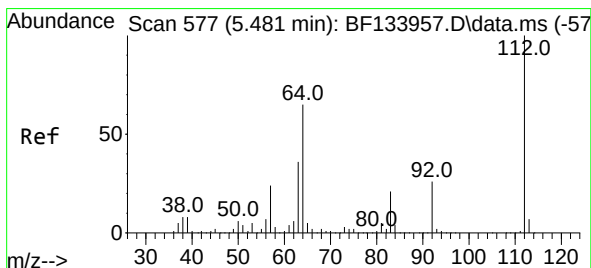
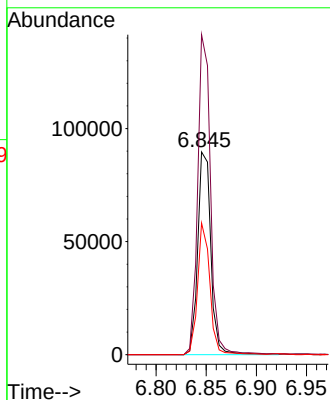
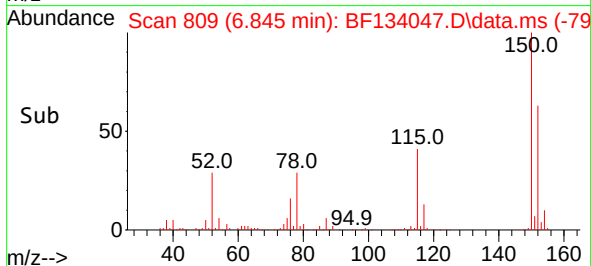
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:152 Resp: 81940
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 65.0 50.2 75.2

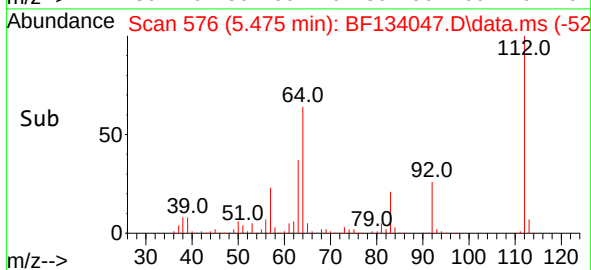
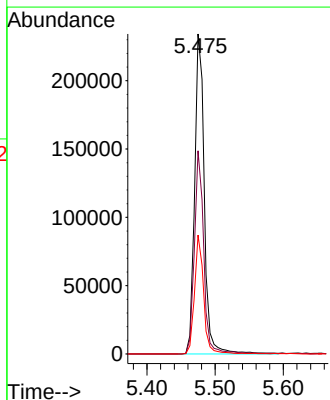
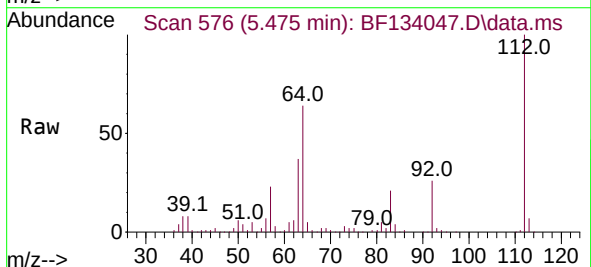
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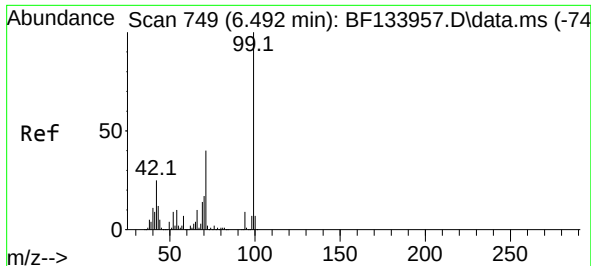
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 47.139 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

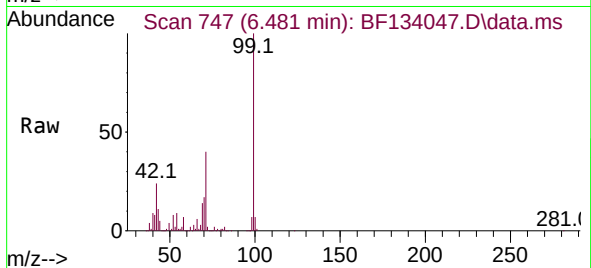
Tgt Ion:112 Resp: 230925
Ion Ratio Lower Upper
112 100
64 63.5 52.1 78.1
63 37.2 28.6 42.8





#7
Phenol-d6
Concen: 42.584 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

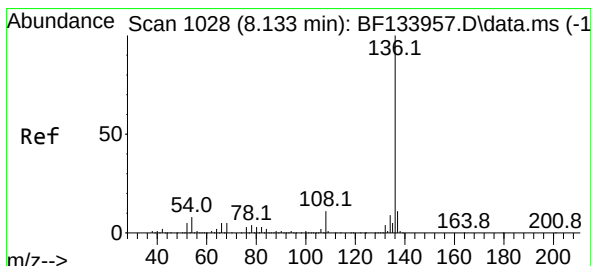
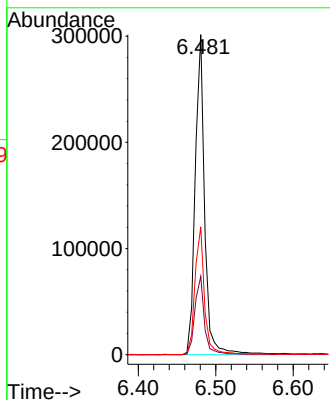
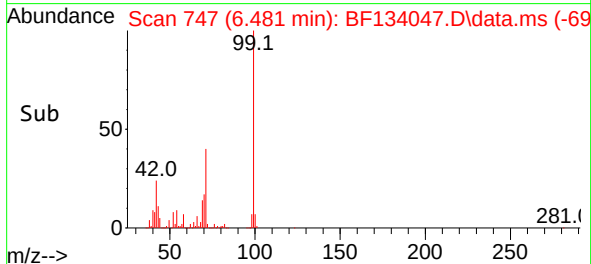
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion: 99 Resp: 256549
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 39.9 31.9 47.9

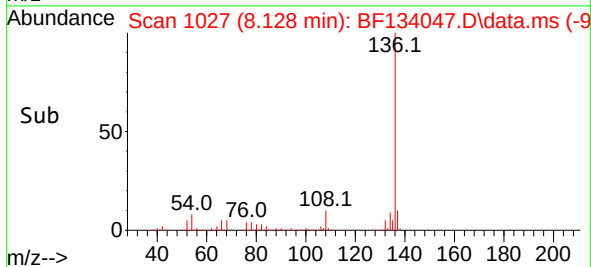
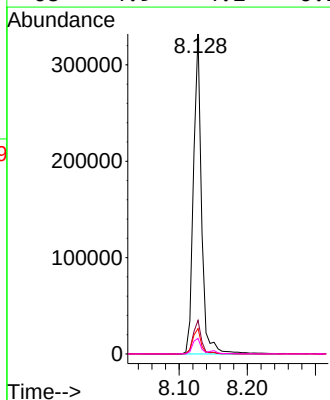
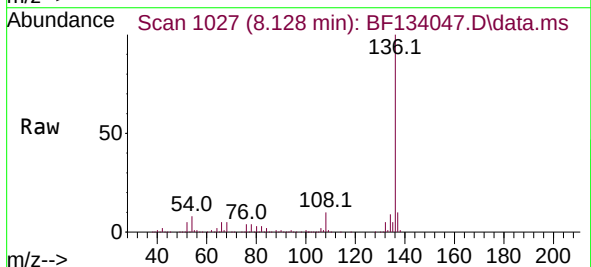
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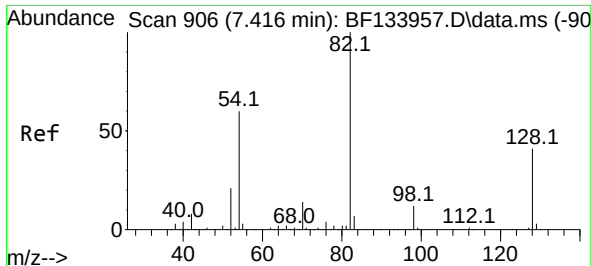
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Tgt Ion:136 Resp: 273031
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.9 6.5 9.7
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 32.114 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-28-29RE

Tgt Ion: 82 Resp: 162658

Ion Ratio Lower Upper

82 100

128 39.6 32.5 48.7

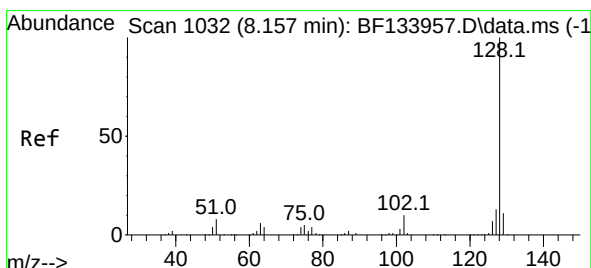
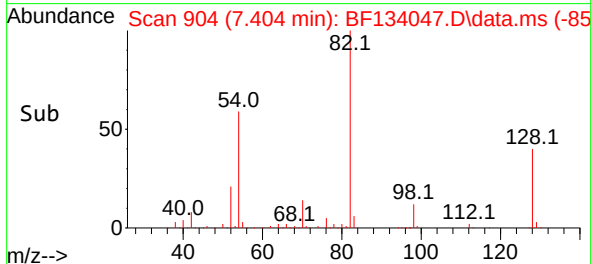
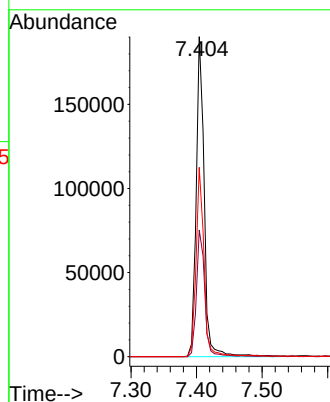
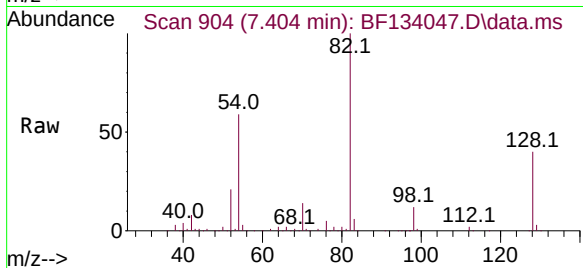
54 59.2 48.2 72.2

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#31

Naphthalene

Concen: 2.187 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.012 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

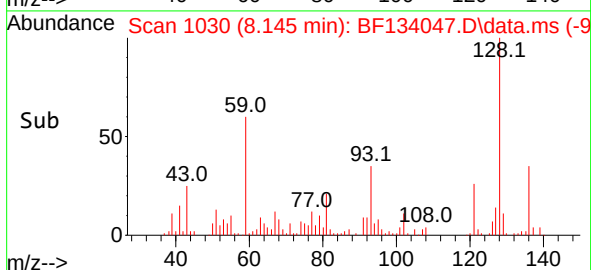
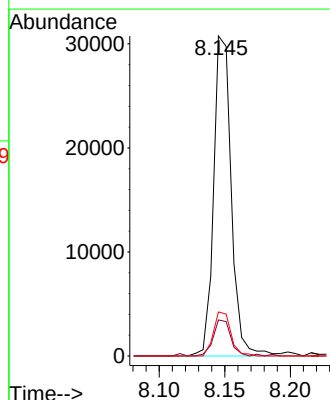
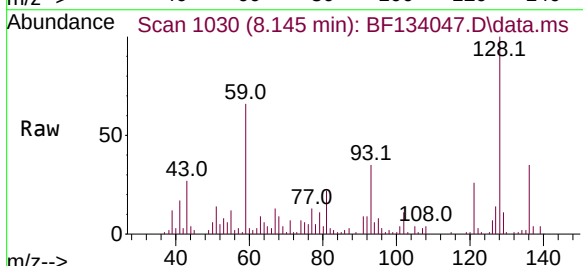
Tgt Ion:128 Resp: 28844

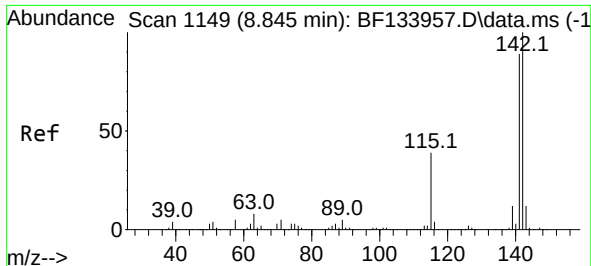
Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.8 10.6 15.8





#37

2-Methylnaphthalene

Concen: 2.005 ng

RT: 8.839 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-28-29RE

Tgt Ion:142 Resp: 18698

Ion Ratio Lower Upper

142 100

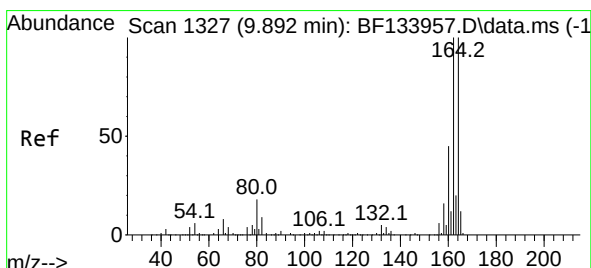
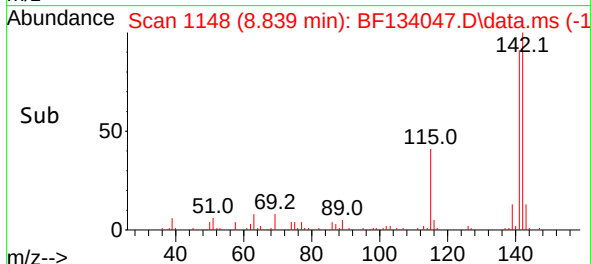
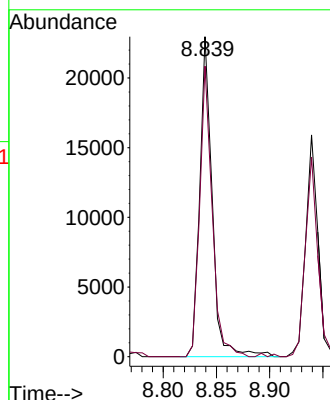
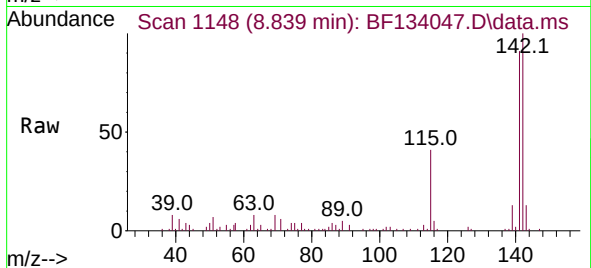
141 90.8 71.0 106.4

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

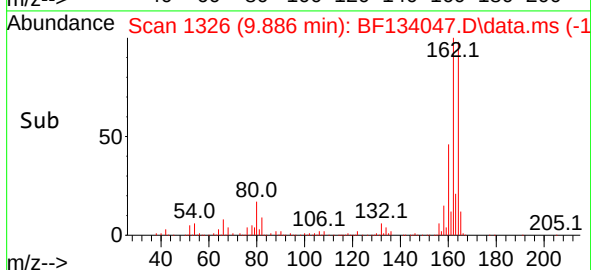
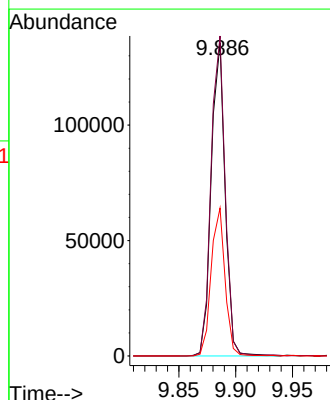
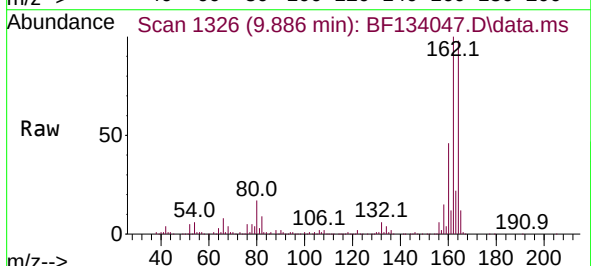
Tgt Ion:164 Resp: 115011

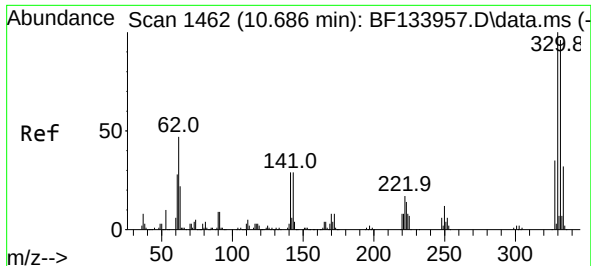
Ion Ratio Lower Upper

164 100

162 102.2 80.0 120.0

160 47.3 35.9 53.9





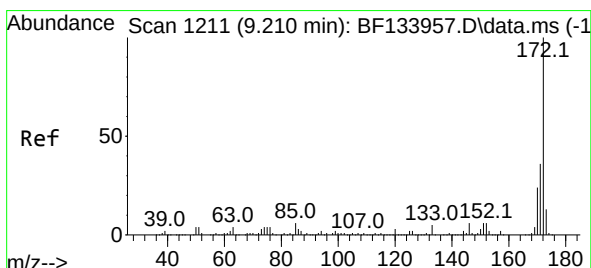
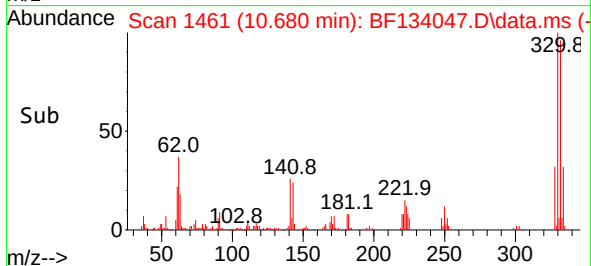
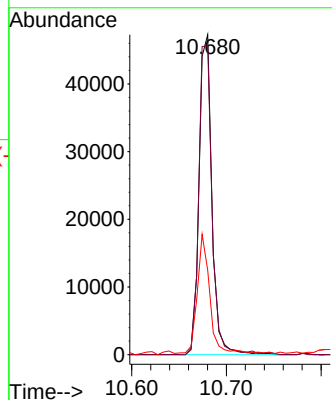
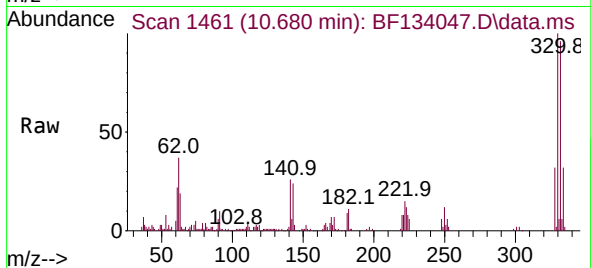
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2,4,6-Tribromophenol
Concen: 30.990 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE

Tgt Ion:330 Resp: 44688
Ion Ratio Lower Upper
330 100
332 99.6 77.0 115.6
141 35.4 26.3 39.5

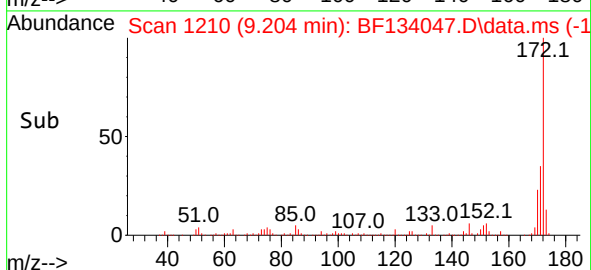
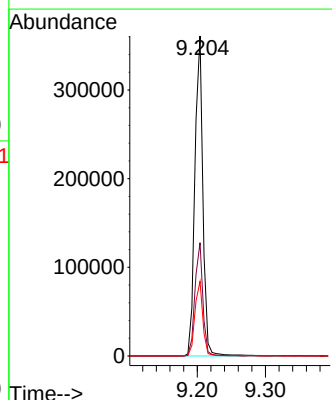
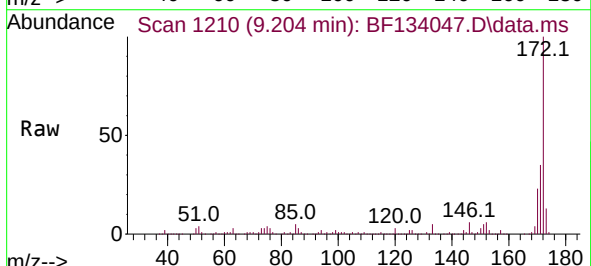
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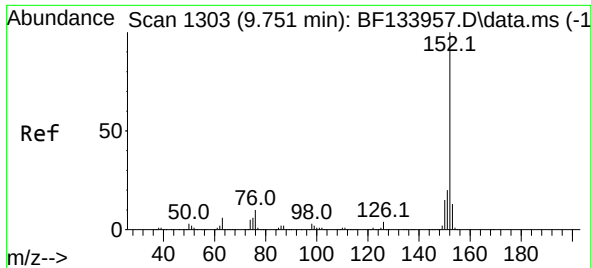
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#45
2-Fluorobiphenyl
Concen: 37.094 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Tgt Ion:172 Resp: 293438
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.3 19.4 29.0





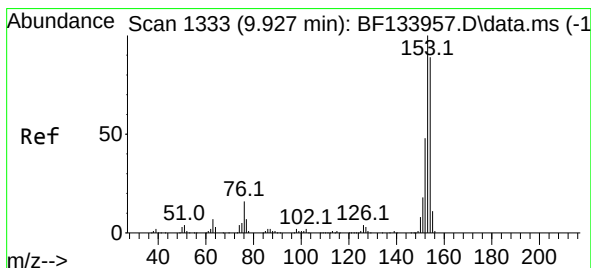
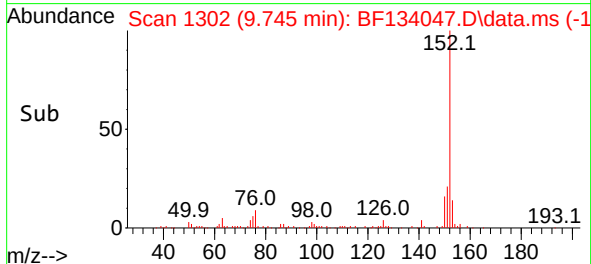
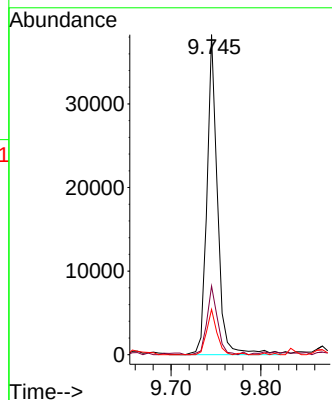
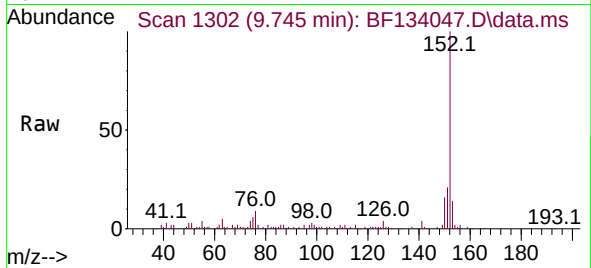
#49
Acenaphthylene
Concen: 2.718 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE

Tgt Ion:152 Resp: 31340
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.2
153 14.1 10.8 16.2

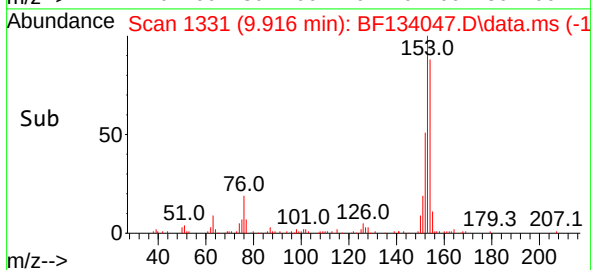
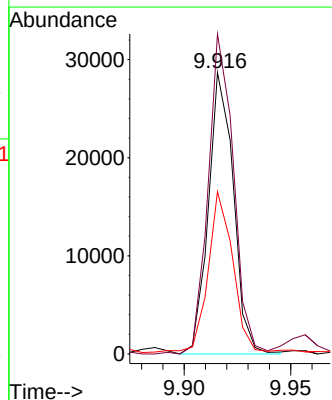
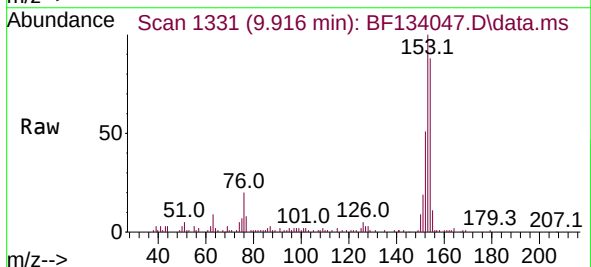
Manual Integrations
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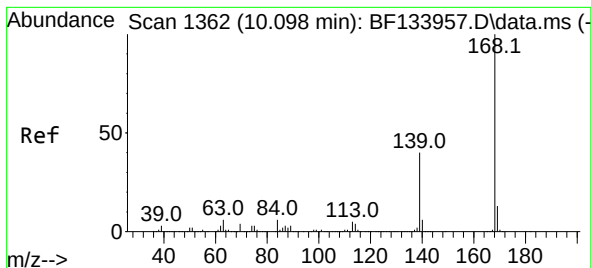
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#52
Acenaphthene
Concen: 3.505 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.011 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

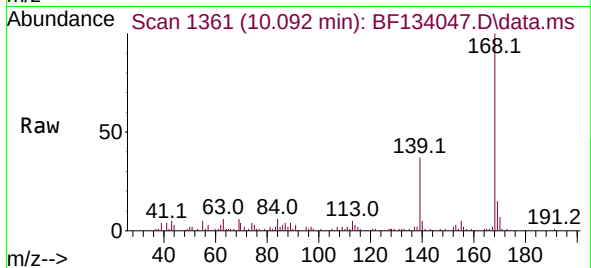
Tgt Ion:154 Resp: 23449
Ion Ratio Lower Upper
154 100
153 113.7 89.4 134.2
152 57.7 42.8 64.2





#55
Dibenzenofuran
Concen: 2.257 ng
RT: 10.092 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

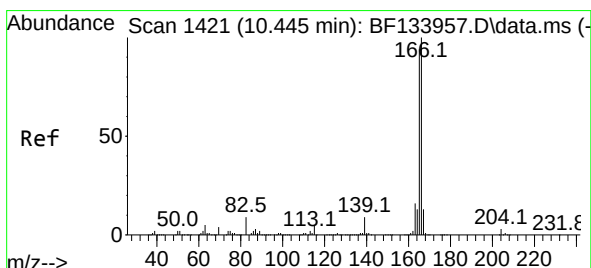
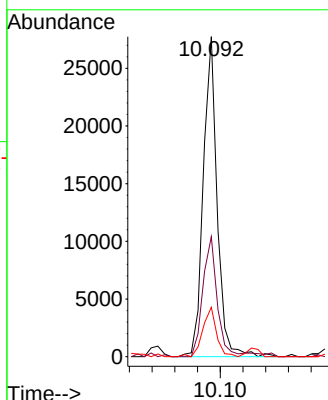
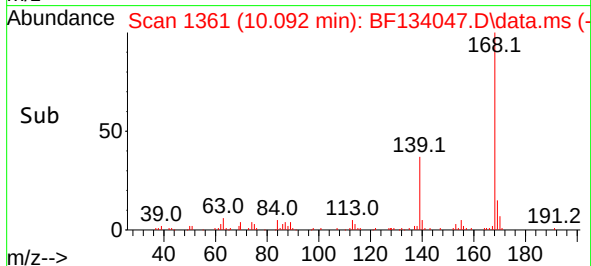
Instrument :
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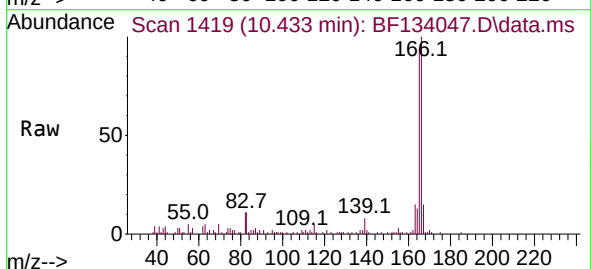
Tgt Ion:168 Resp: 23590
Ion Ratio Lower Upper
168 100
139 37.5 32.0 48.0
169 15.4 10.6 16.0

Manual Integrations
APPROVED

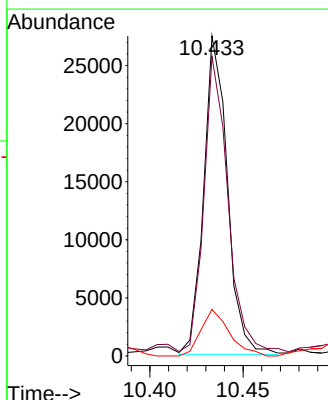
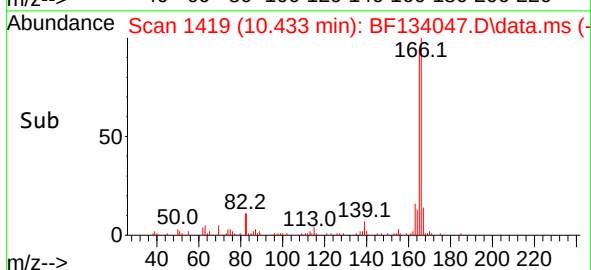
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

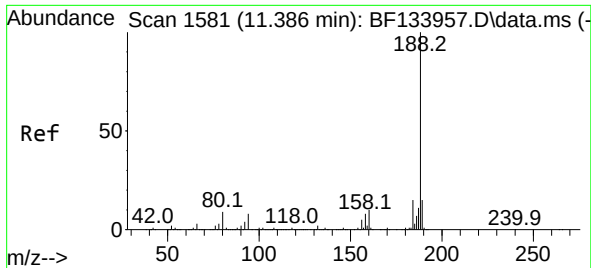


#58
Fluorene
Concen: 2.983 ng m
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51



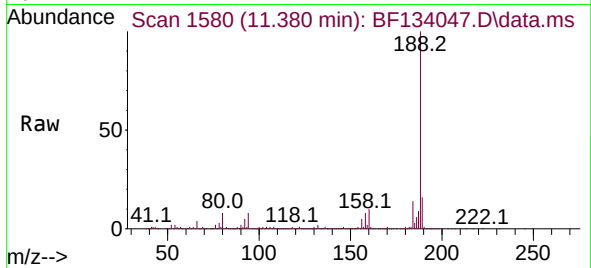
Tgt Ion:166 Resp: 24265
Ion Ratio Lower Upper
166 100
165 93.7 75.0 112.4
167 14.6 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

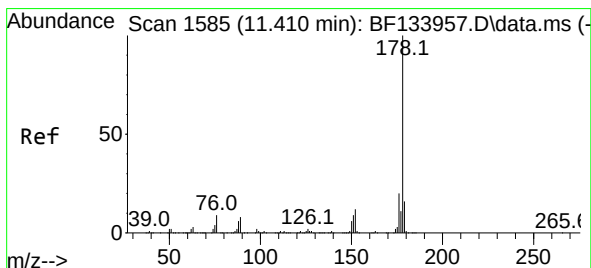
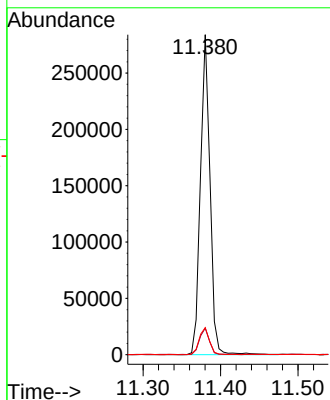
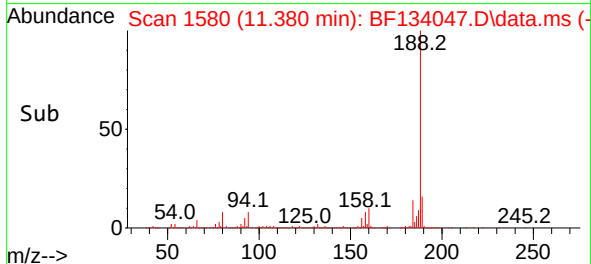
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:188 Resp: 243934
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.4 7.3 10.9

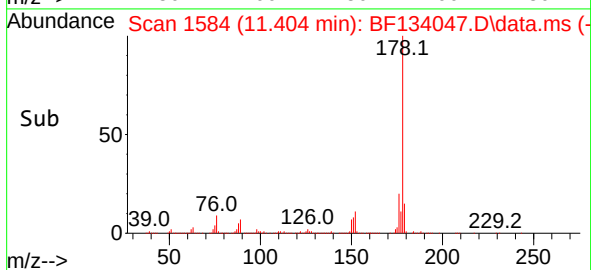
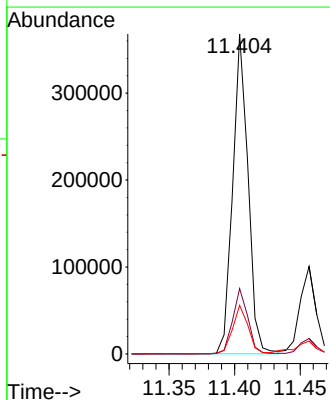
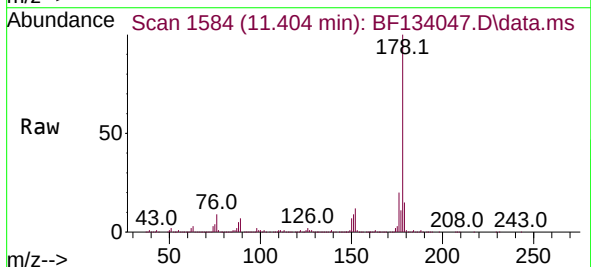
Manual Integrations
APPROVED

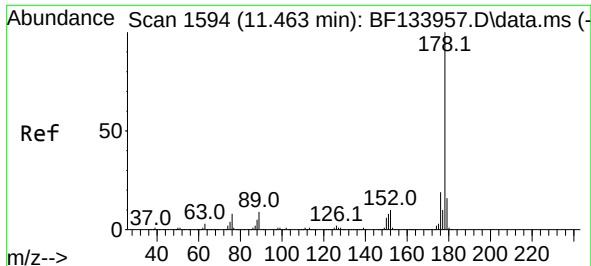
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#71
Phenanthrene
Concen: 24.342 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

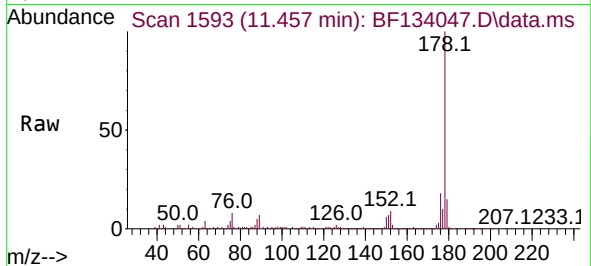
Tgt Ion:178 Resp: 298915
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 6.272 ng
 RT: 11.457 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF134047.D
 Acq: 29 Jun 2023 20:51

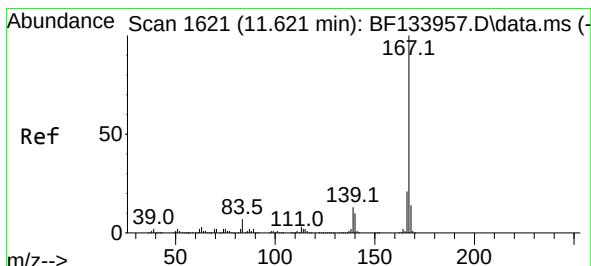
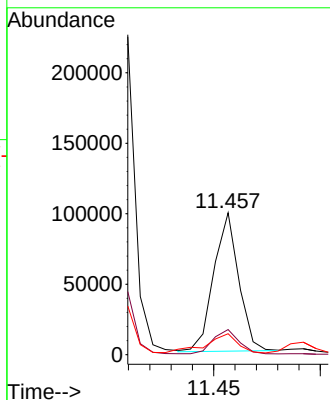
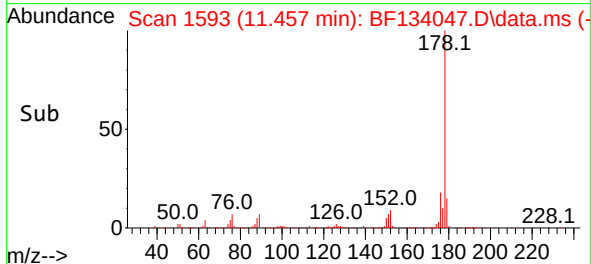
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-28-29RE



Tgt Ion:178 Resp: 80109
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.3 22.9
 179 14.8 12.4 18.6

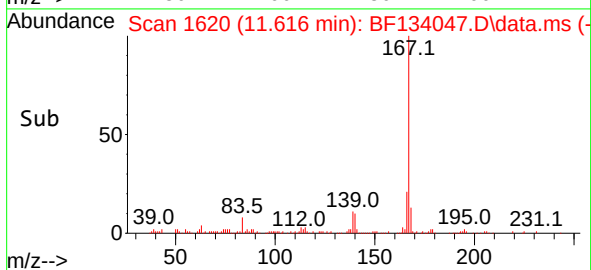
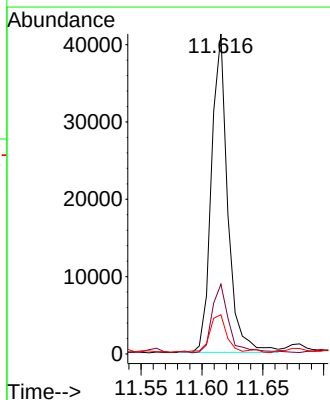
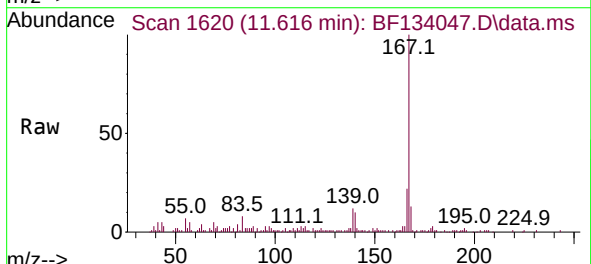
Manual Integrations
 APPROVED

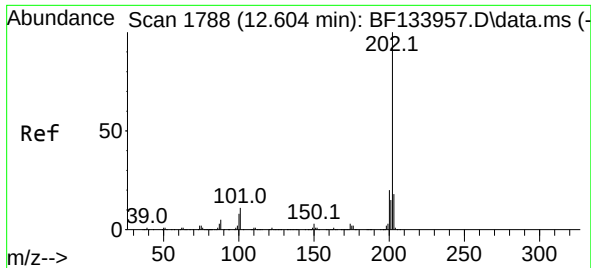
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#73
 Carbazole
 Concen: 3.294 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134047.D
 Acq: 29 Jun 2023 20:51

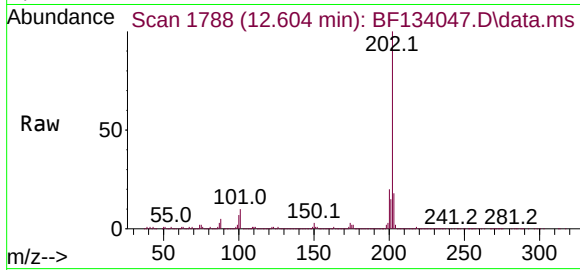
Tgt Ion:167 Resp: 38512
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 12.3 10.4 15.6





#75
Fluoranthene
Concen: 39.416 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

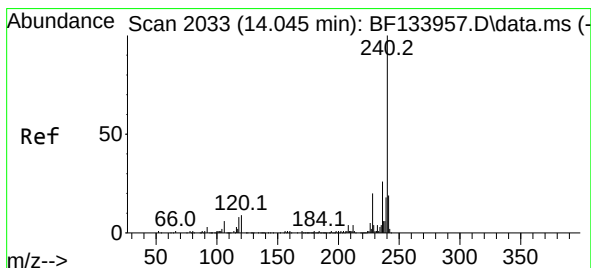
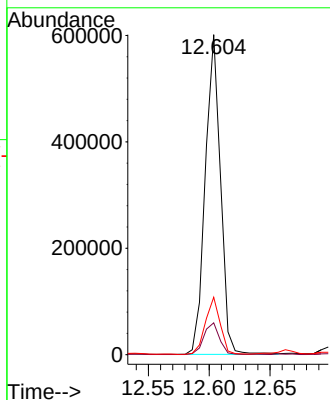
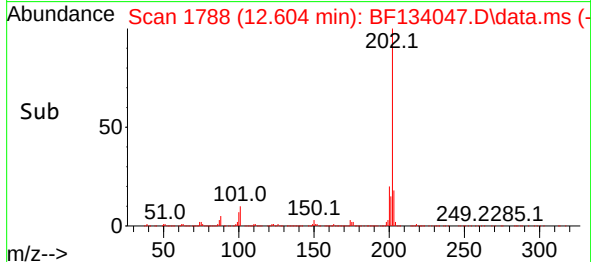
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:202 Resp: 523280
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 18.0 0.0 37.6

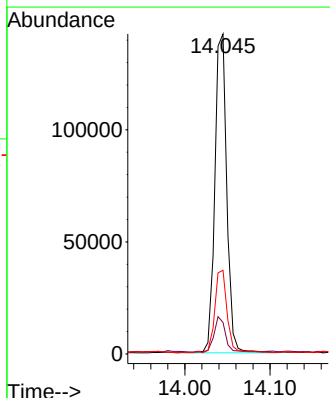
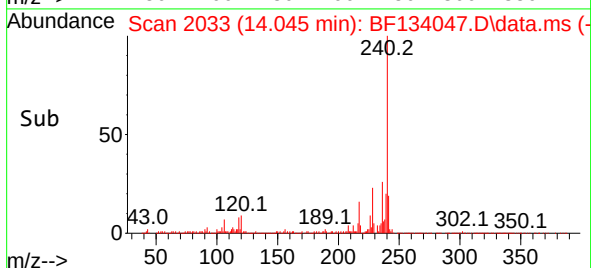
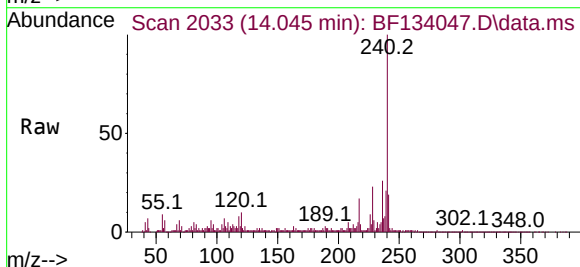
Manual Integrations
APPROVED

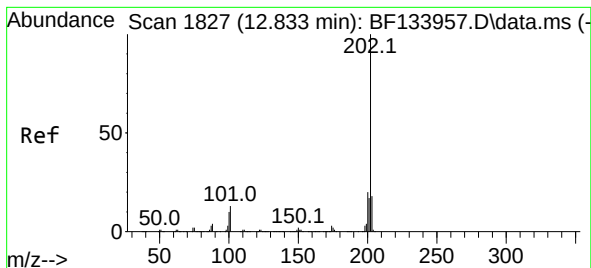
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Tgt Ion:240 Resp: 139708
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.0
236 26.2 21.0 31.6





#78

Pyrene

Concen: 34.697 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BF134047.D

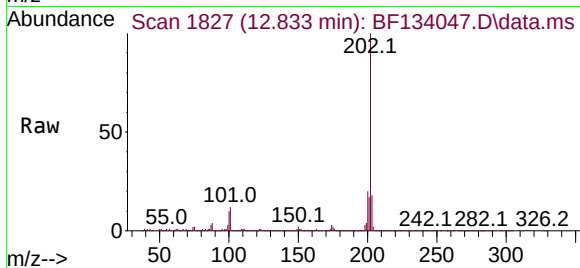
Acq: 29 Jun 2023 20:51

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-28-29RE



Tgt Ion:202 Resp: 451125

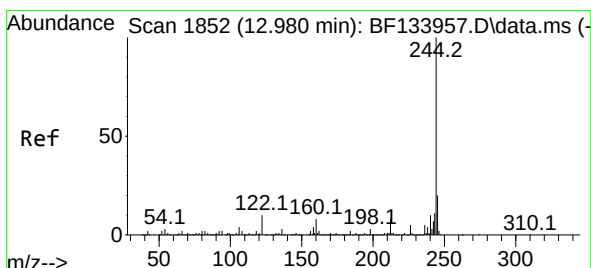
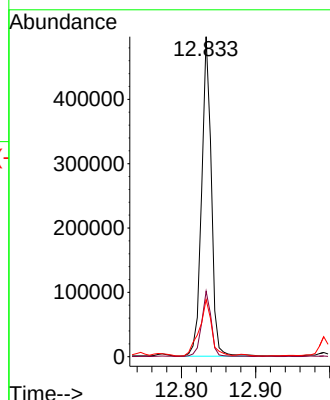
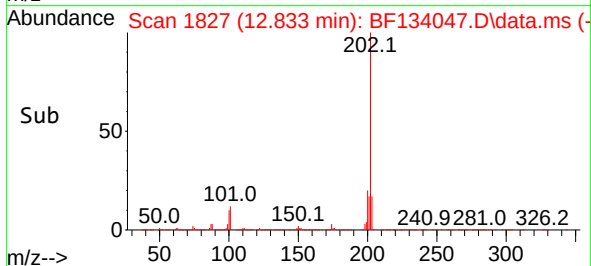
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.1	24.1
203	17.9	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#79

Terphenyl-d14

Concen: 40.408 ng

RT: 12.974 min Scan# 1851

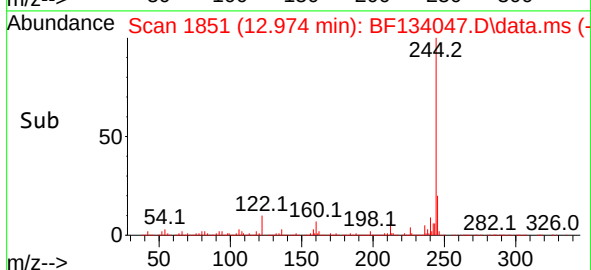
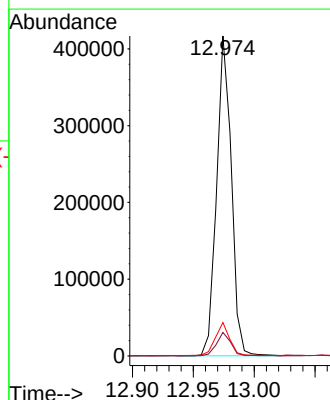
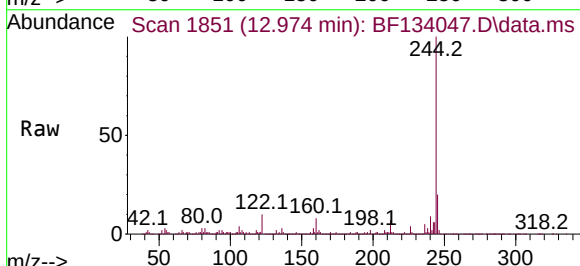
Delta R.T. -0.006 min

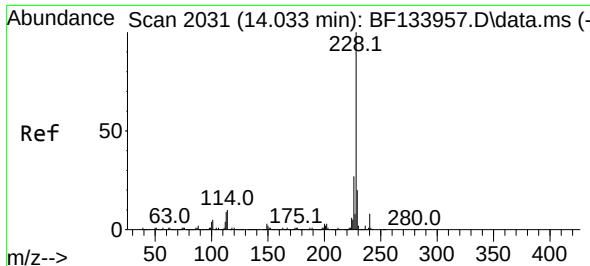
Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

Tgt Ion:244 Resp: 350767

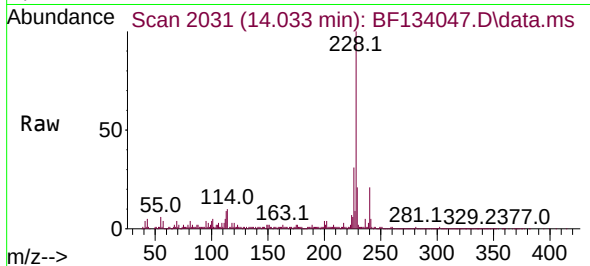
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.4	8.3	12.5





#81
Benzo(a)anthracene
Concen: 20.515 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

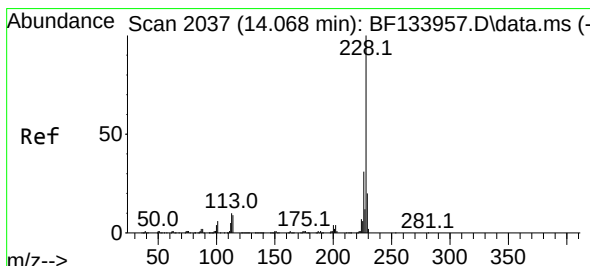
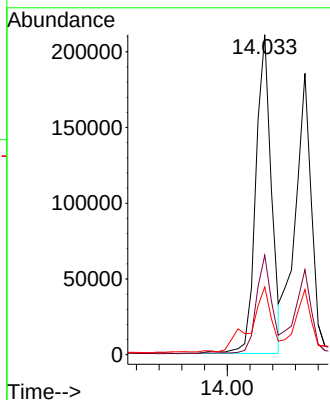
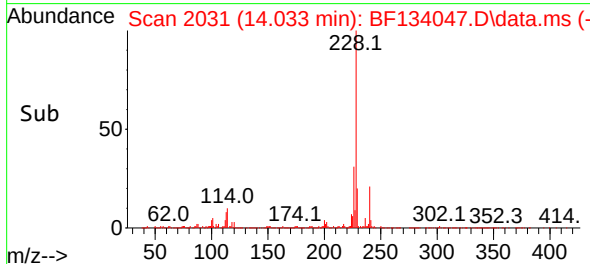
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:228 Resp: 198772
Ion Ratio Lower Upper
228 100
226 31.0 22.0 33.0
229 21.1 16.3 24.5

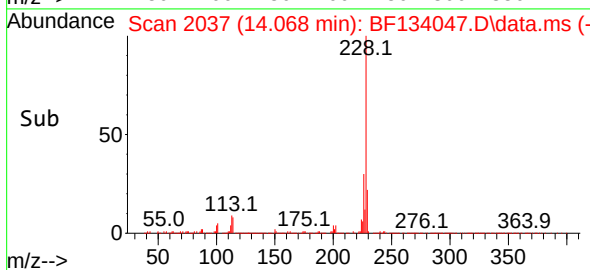
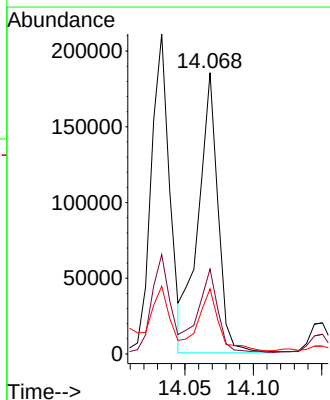
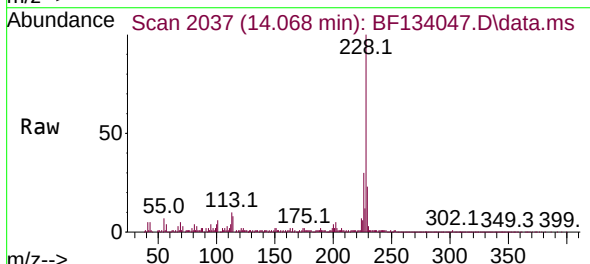
Manual Integrations
APPROVED

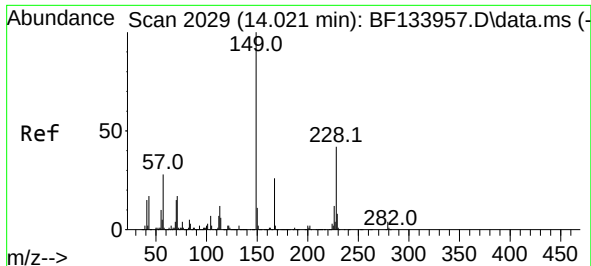
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 19.880 ng m
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

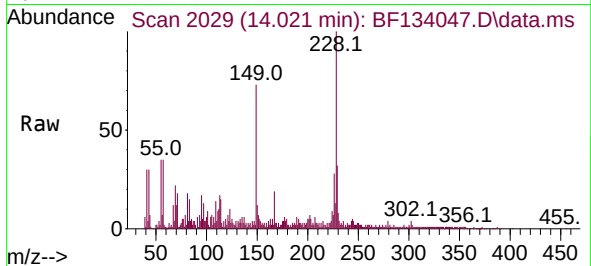
Tgt Ion:228 Resp: 186562
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 23.1 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.824 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

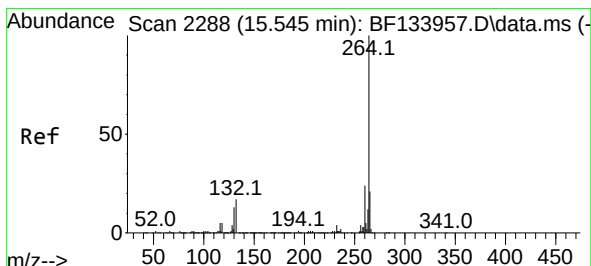
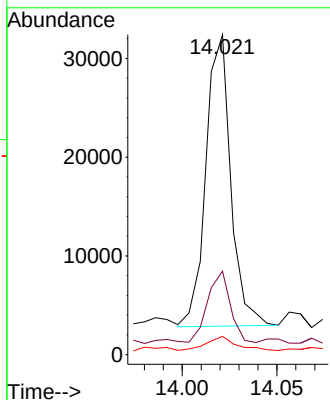
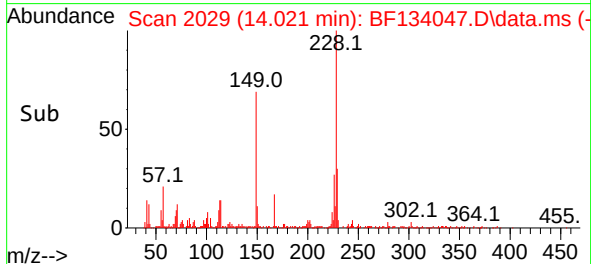
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:149 Resp: 2703
Ion Ratio Lower Upper
149 100
167 26.1 21.0 31.4
279 5.7 3.3 4.9

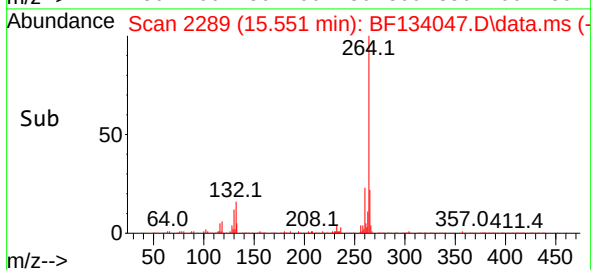
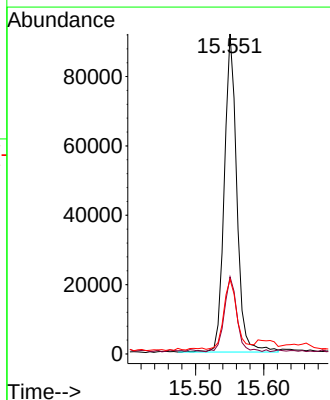
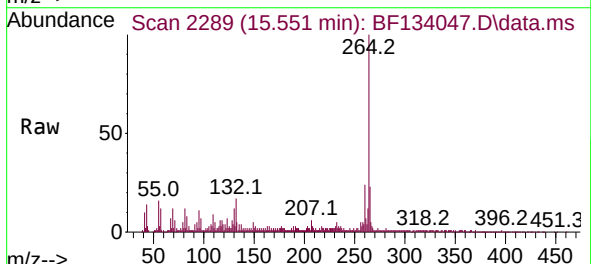
Manual Integrations
APPROVED

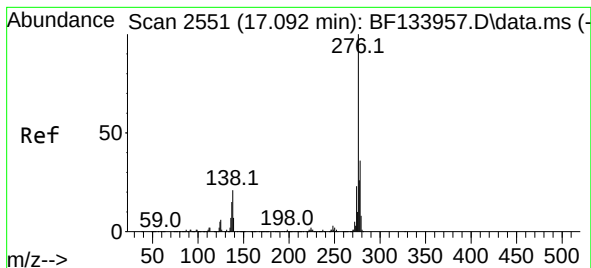
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

Tgt Ion:264 Resp: 117235
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 23.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.069 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

Instrument :

BNF

ClientSampleId :

COMPOSIT-SB-28-29RE

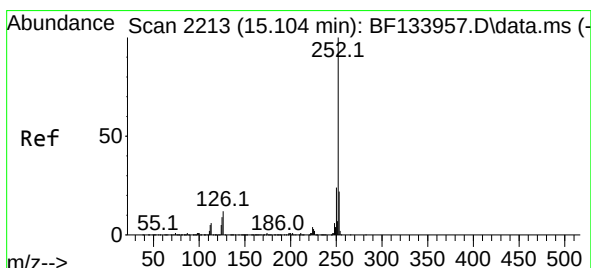
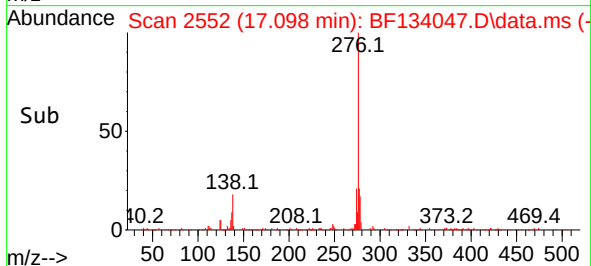
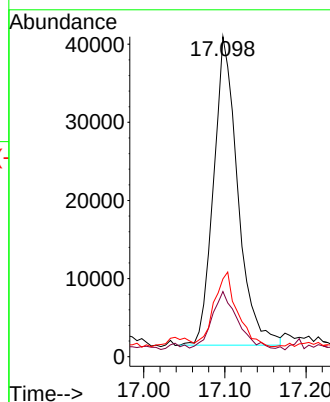
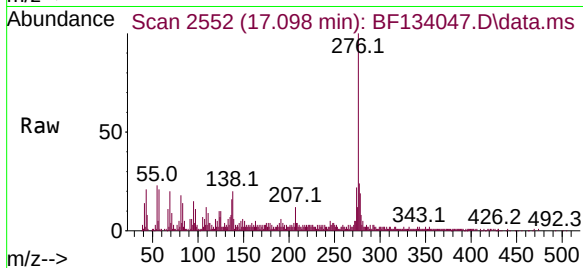
Tgt Ion:276 Resp: 81914
 Ion Ratio Lower Upper
 276 100
 138 19.5 18.7 28.1
 277 23.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#88

Benzo(b)fluoranthene

Concen: 28.897 ng m

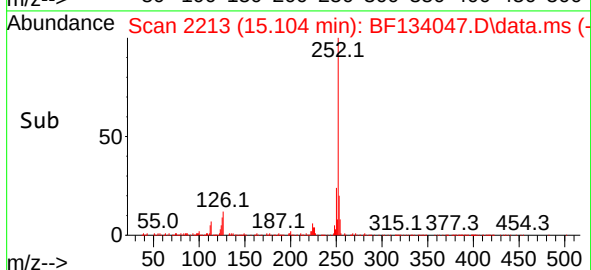
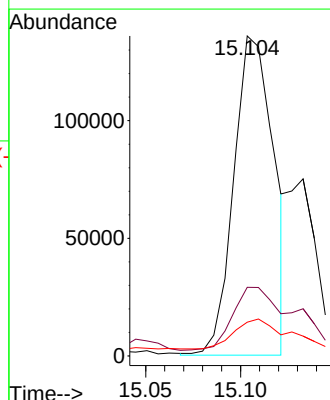
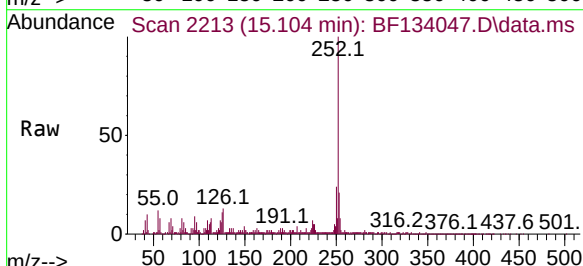
RT: 15.104 min Scan# 2213

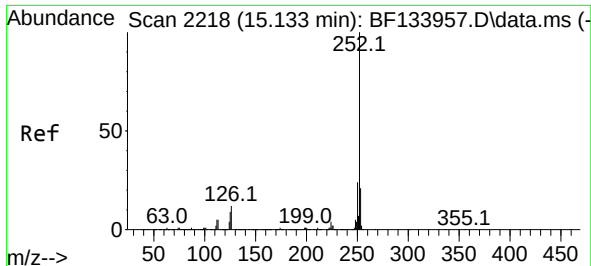
Delta R.T. 0.000 min

Lab File: BF134047.D

Acq: 29 Jun 2023 20:51

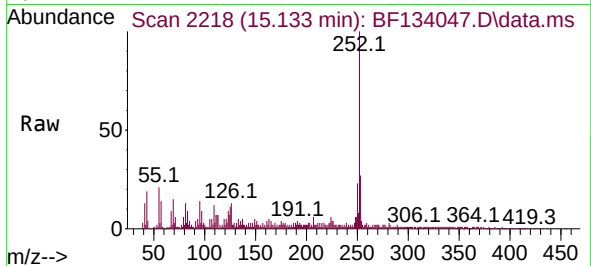
Tgt Ion:252 Resp: 199204
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.4 26.0
 125 10.6 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 11.151 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

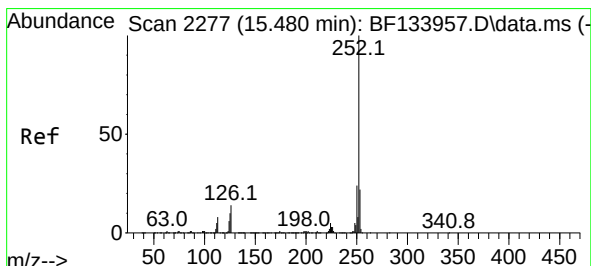
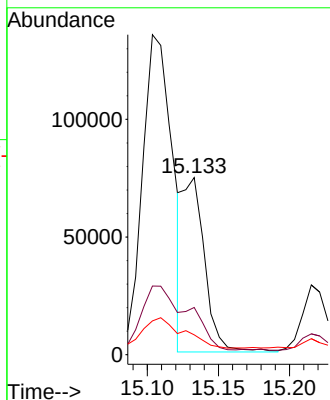
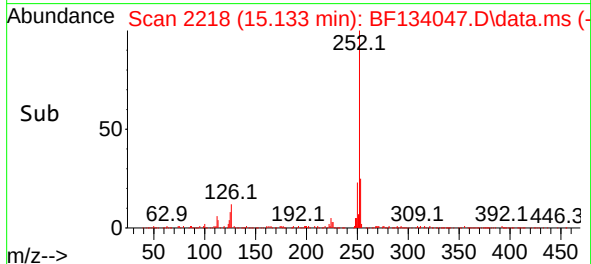
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



Tgt Ion:252 Resp: 7826
Ion Ratio Lower Upper
252 100
253 26.7 16.9 25.3
125 11.2 7.4 11.2

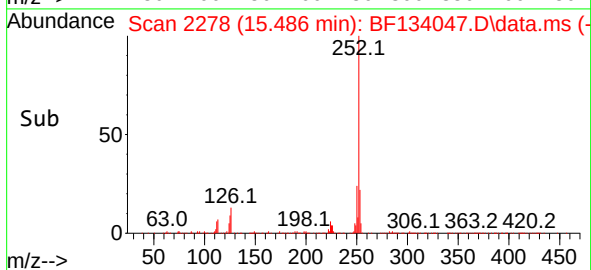
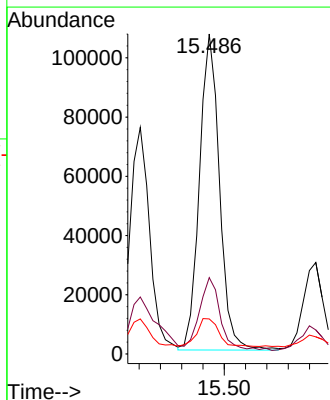
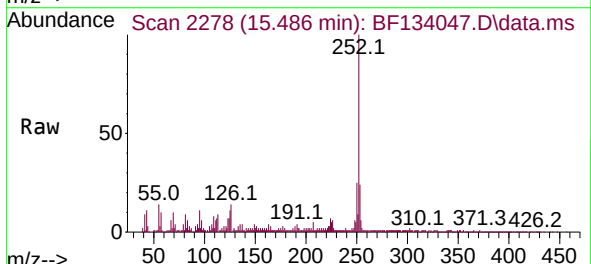
Manual Integrations
APPROVED

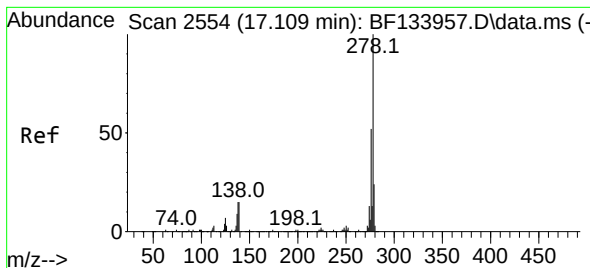
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#90
Benzo(a)pyrene
Concen: 20.996 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

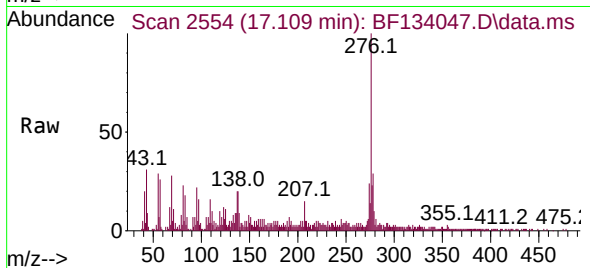
Tgt Ion:252 Resp: 139956
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 11.0 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.991 ng
RT: 17.109 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51

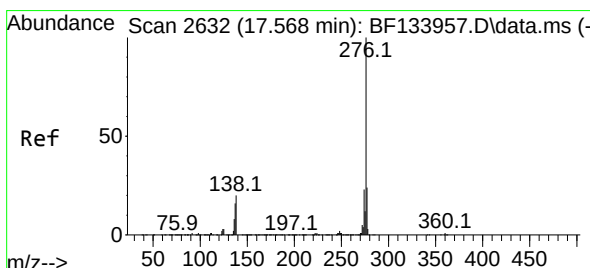
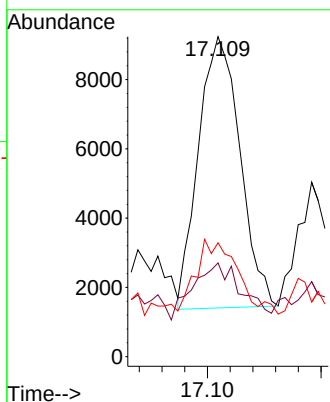
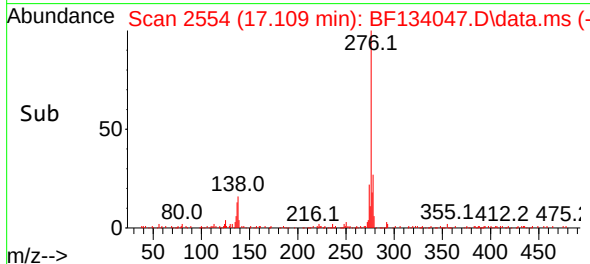
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29RE



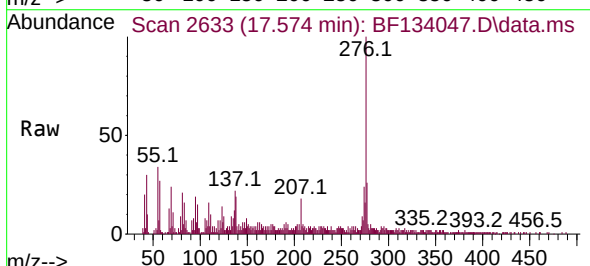
Tgt Ion: 278 Resp: 1987
Ion Ratio Lower Upper
278 100
139 29.3 12.2 18.4
279 35.6 19.4 29.2

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 06/30/2023
Supervised By : mohammad ahmed 06/30/2023



#92
Benzo(g,h,i)perylene
Concen: 11.269 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.006 min
Lab File: BF134047.D
Acq: 29 Jun 2023 20:51



Tgt Ion: 276 Resp: 77217
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 19.4 16.2 24.2

