

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134046.D
 Acq On : 29 Jun 2023 20:18
 Operator : CG\JU
 Sample : 03362-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37RE

Quant Time: Jun 30 05:13:59 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	6.851	152	95583	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	305798	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	129152	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	256463	20.000	ng	0.00
76) Chrysene-d12	14.039	240	160024	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	134146	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	491109	85.947	ng	0.00
7) Phenol-d6	6.486	99	555967	79.117	ng	0.00
23) Nitrobenzene-d5	7.410	82	355282	62.628	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	130255	80.439	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	603295	67.914	ng	0.00
79) Terphenyl-d14	12.980	244	685022	68.895	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	15319	2.039	ng	93
58) Fluorene	10.433	166	18709m	2.048	ng	
71) Phenanthrene	11.404	178	285549	22.117	ng	100
72) Anthracene	11.457	178	75416	5.616	ng	100
73) Carbazole	11.610	167	33282	2.708	ng	99
75) Fluoranthene	12.604	202	533609	38.230	ng	98
78) Pyrene	12.833	202	475178	31.907	ng	100
81) Benzo(a)anthracene	14.033	228	218374	19.677	ng	98
83) Chrysene	14.068	228	197826	18.404	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	24970	3.891	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	79285	8.518	ng	95
88) Benzo(b)fluoranthene	15.104	252	210678m	26.709	ng	
89) Benzo(k)fluoranthene	15.127	252	68223m	8.495	ng	
90) Benzo(a)pyrene	15.486	252	141503	18.552	ng	99
91) Dibenzo(a,h)anthracene	17.103	278	19907	2.618	ng	# 86
92) Benzo(g,h,i)perylene	17.562	276	75491	9.628	ng	97

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

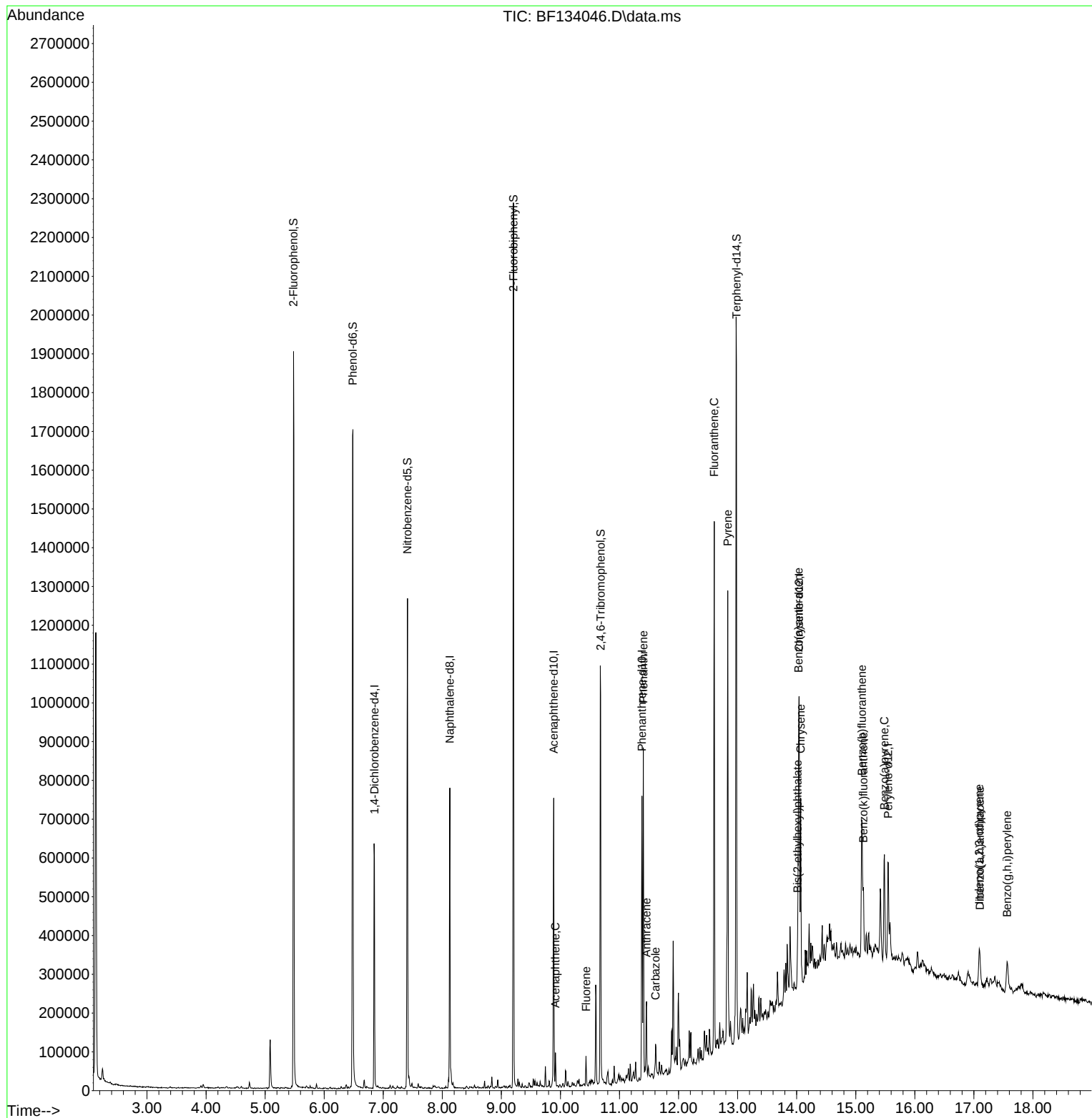
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134046.D
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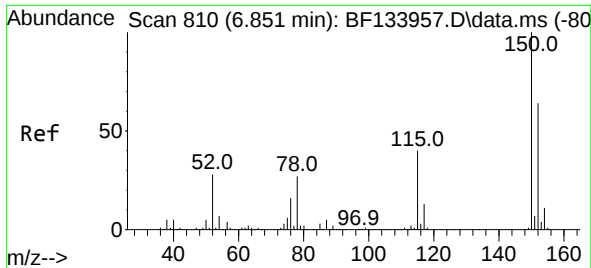
Instrument :
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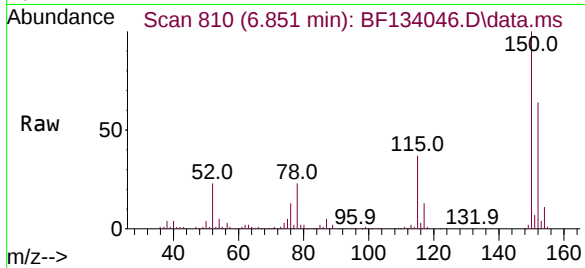
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

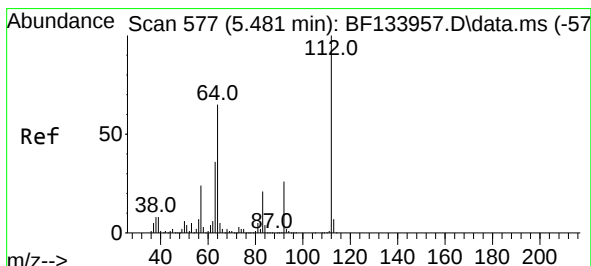
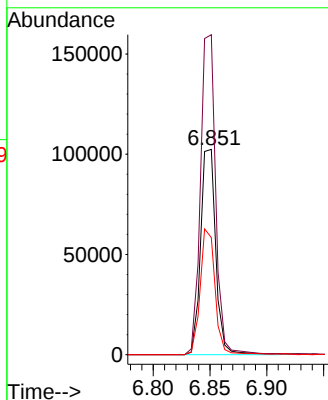
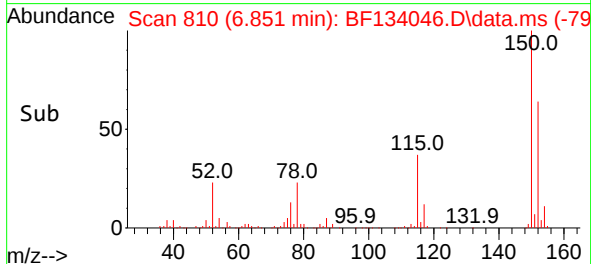
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:152 Resp: 9558
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 57.1 50.2 75.2

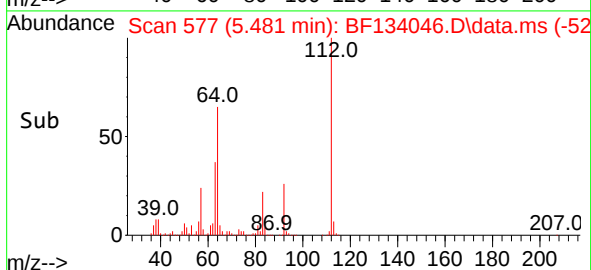
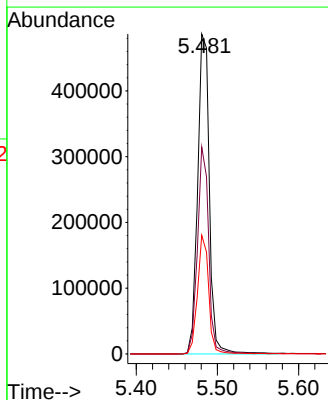
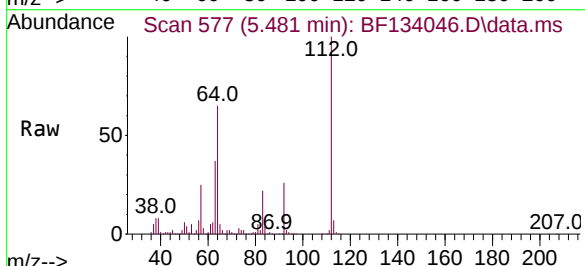
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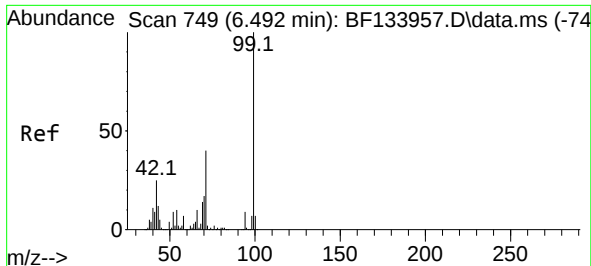
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 85.947 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

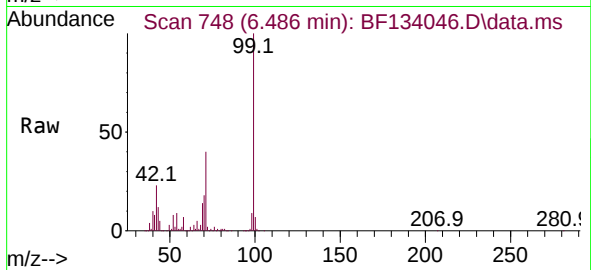
Tgt Ion:112 Resp: 491109
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 37.1 28.6 42.8





#7
Phenol-d6
Concen: 79.117 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

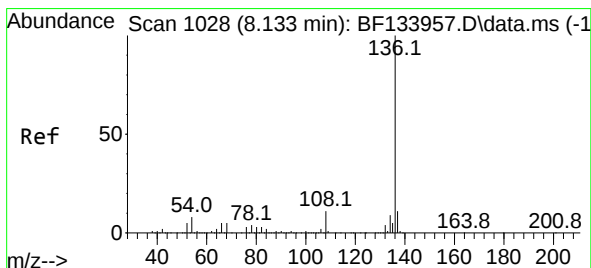
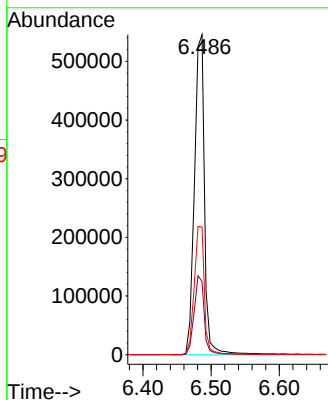
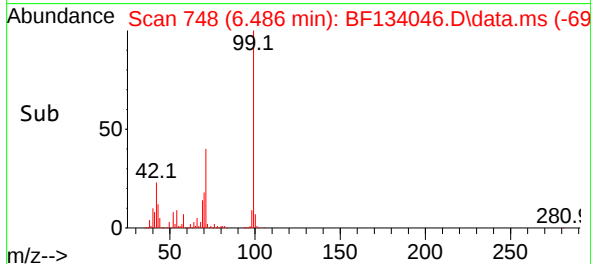
Instrument :
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Tgt Ion: 99 Resp: 55596
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 39.9 31.9 47.9

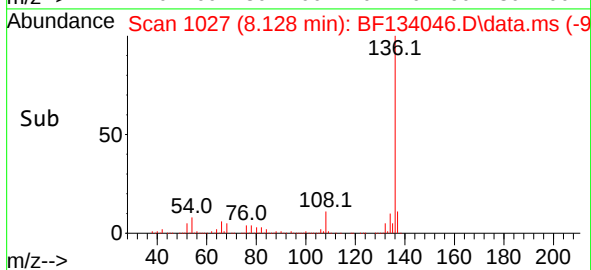
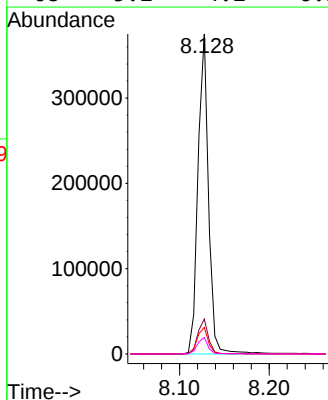
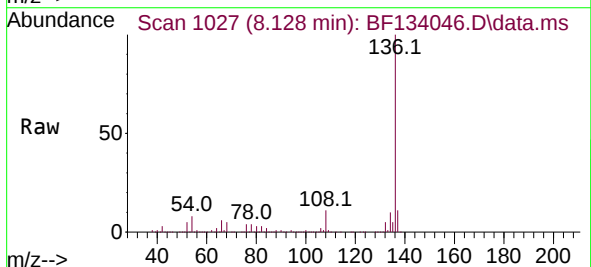
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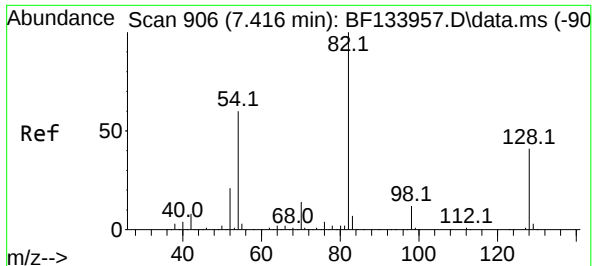
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:136 Resp: 305798
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.3 6.5 9.7
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 62.628 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE

Tgt Ion: 82 Resp: 35528

Ion Ratio Lower Upper

82 100

128 41.8 32.5 48.7

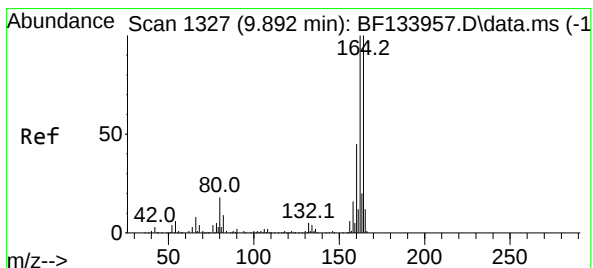
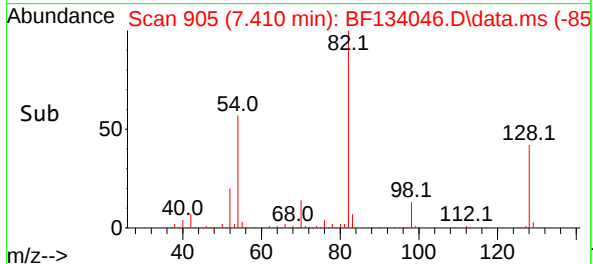
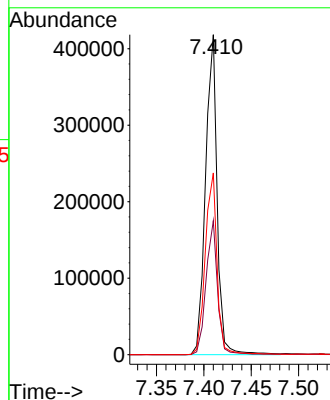
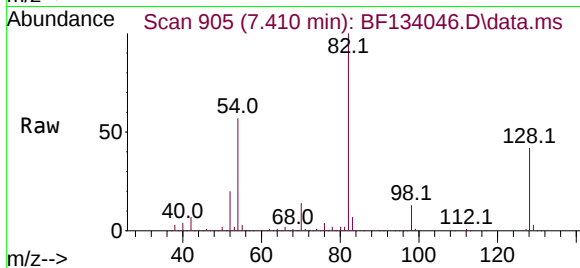
54 56.8 48.2 72.2

Manual Integrations

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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: BF134046.D

Acq: 29 Jun 2023 20:18

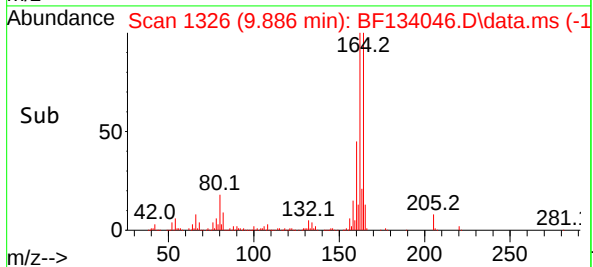
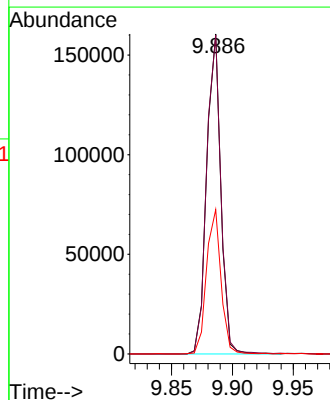
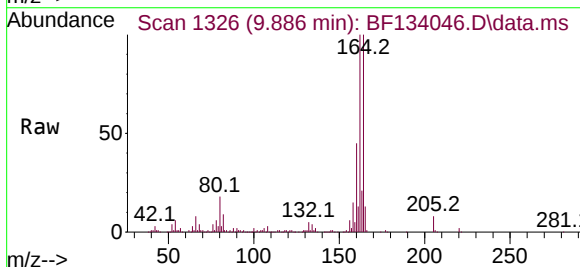
Tgt Ion:164 Resp: 129152

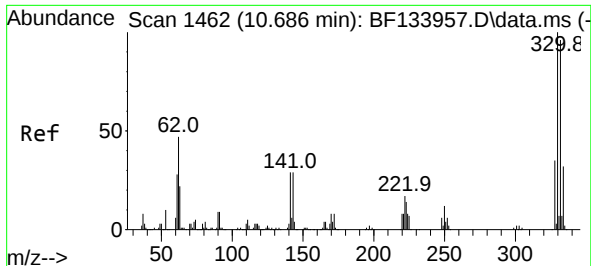
Ion Ratio Lower Upper

164 100

162 99.6 80.0 120.0

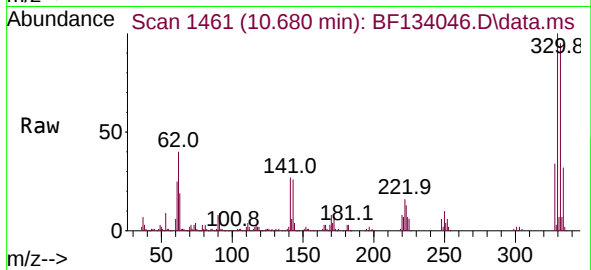
160 45.1 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 80.439 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

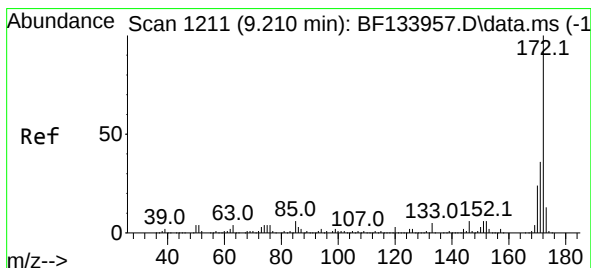
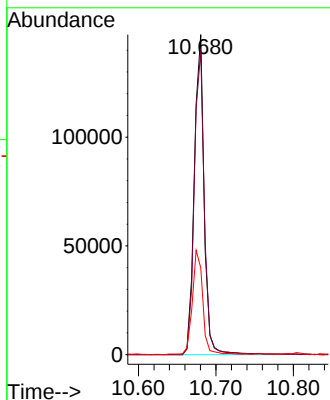
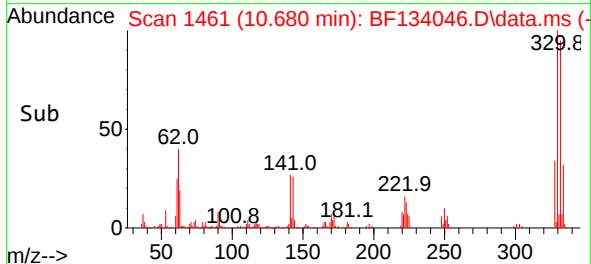
Instrument :
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ClientSampleId :
COMPOSIT-SB-32-37RE



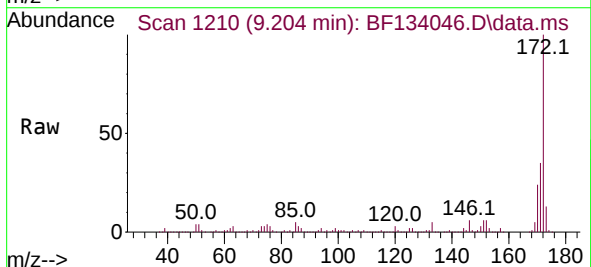
Tgt Ion:330 Resp: 13025
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 34.8 26.3 39.5

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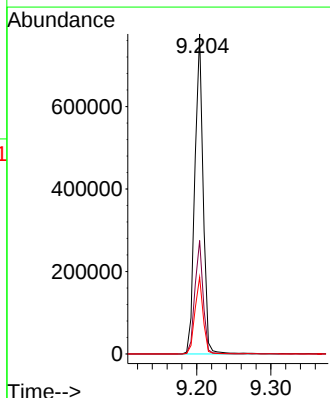
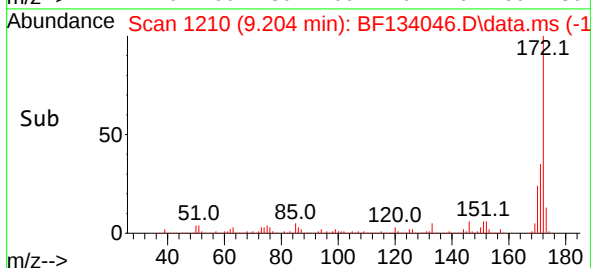
Reviewed By :Yogesh Patel 06/30/2023
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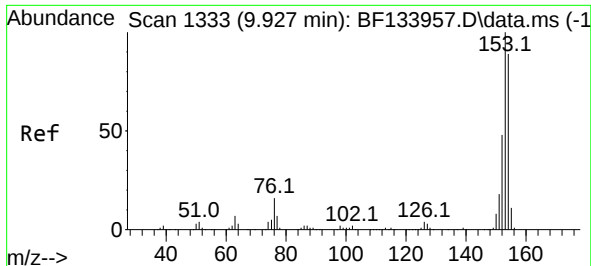


#45
2-Fluorobiphenyl
Concen: 67.914 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18



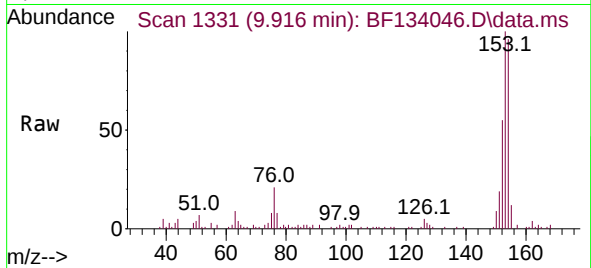
Tgt Ion:172 Resp: 603295
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.0 19.4 29.0





#52
Acenaphthene
Concen: 2.039 ng
RT: 9.916 min Scan# 1419
Delta R.T. -0.011 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

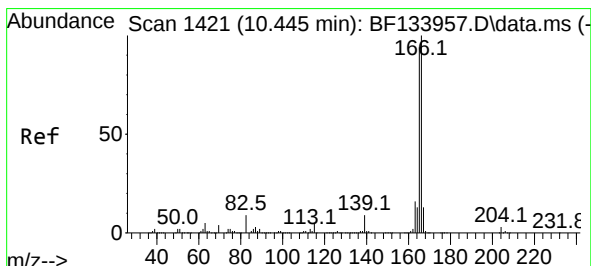
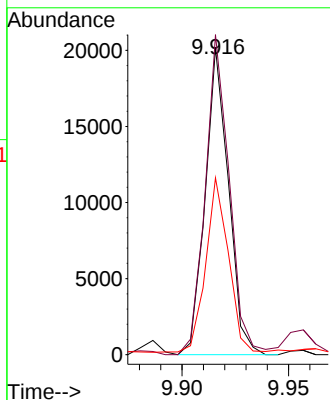
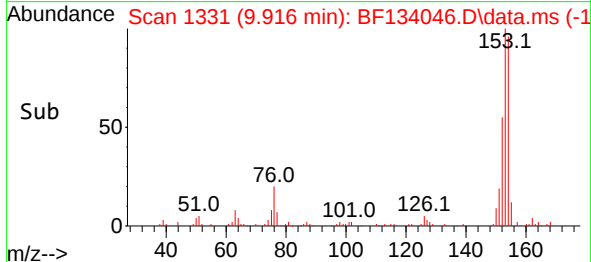
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COMPOSIT-SB-32-37RE



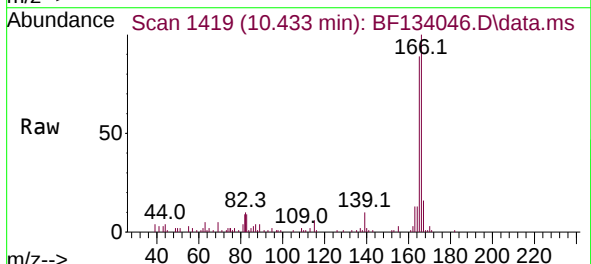
Tgt Ion:154 Resp: 15319
Ion Ratio Lower Upper
154 100
153 104.2 89.4 134.2
152 57.6 42.8 64.2

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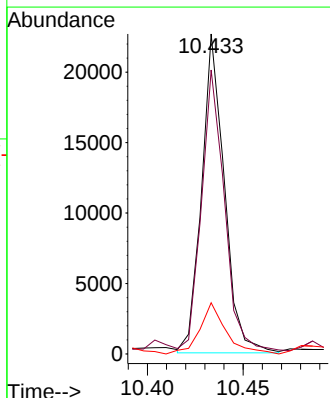
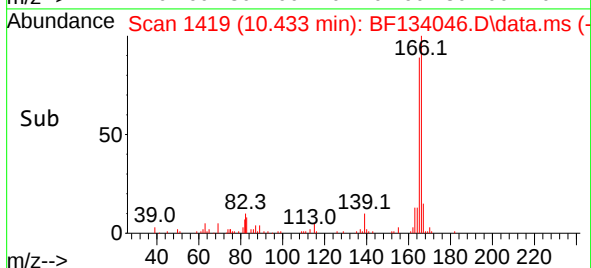
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

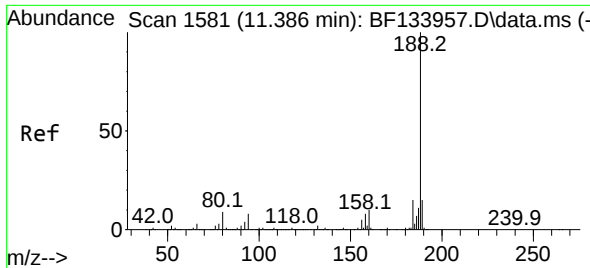


#58
Fluorene
Concen: 2.048 ng m
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18



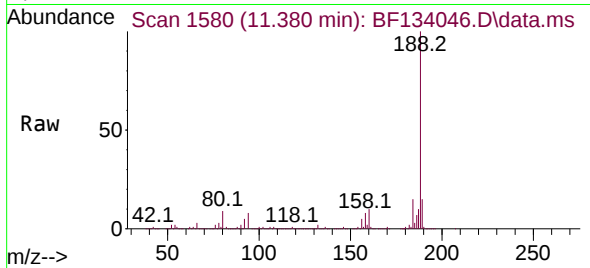
Tgt Ion:166 Resp: 18709
Ion Ratio Lower Upper
166 100
165 88.7 75.0 112.4
167 16.0 10.6 15.8#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

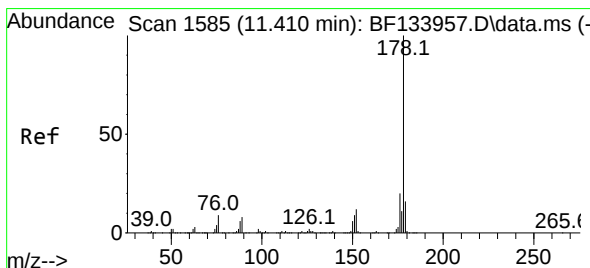
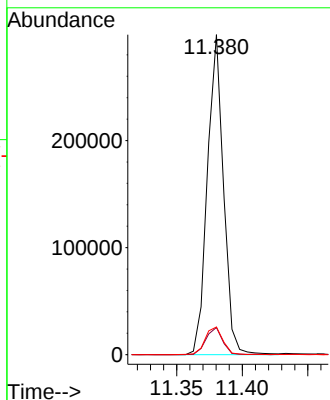
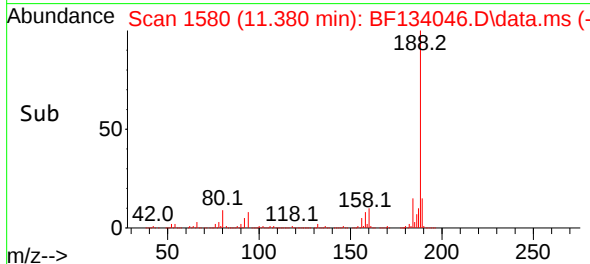
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:188 Resp: 25646
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 8.7 7.3 10.9

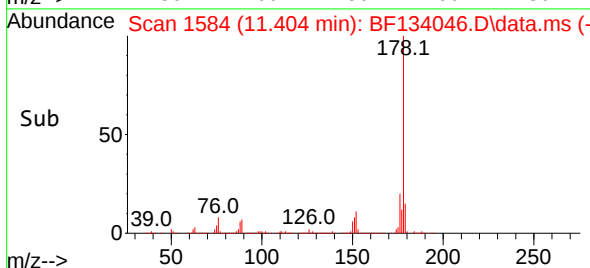
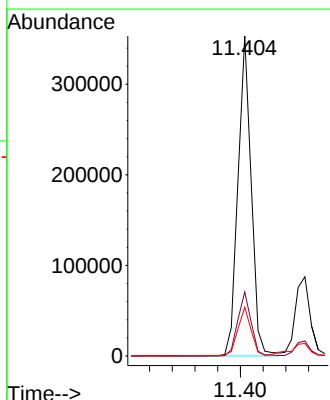
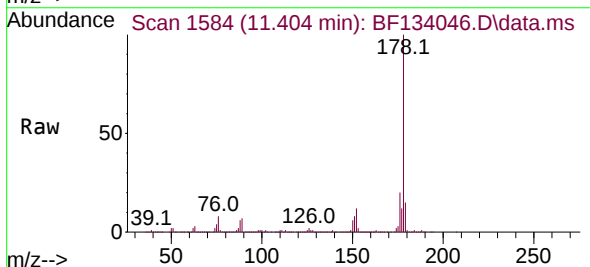
Manual Integrations
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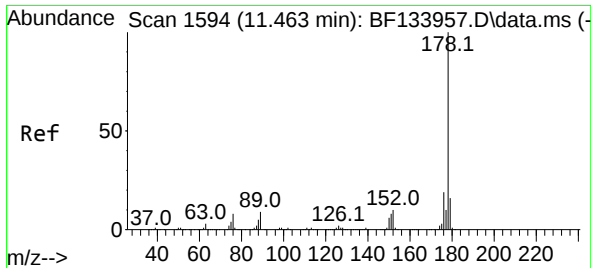
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#71
Phenanthrene
Concen: 22.117 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

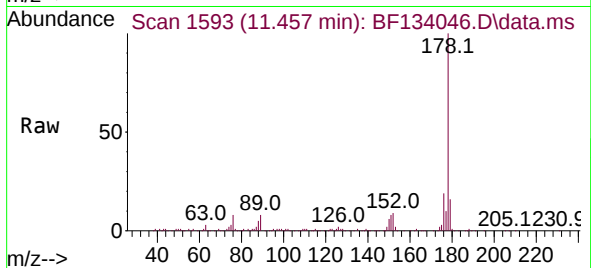
Tgt Ion:178 Resp: 285549
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 5.616 ng
 RT: 11.457 min Scan# 11610
 Delta R.T. -0.006 min
 Lab File: BF134046.D
 Acq: 29 Jun 2023 20:18

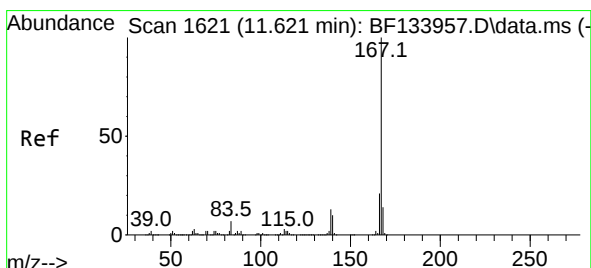
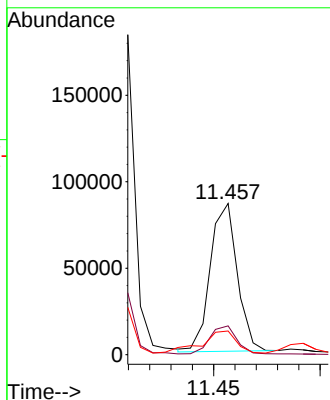
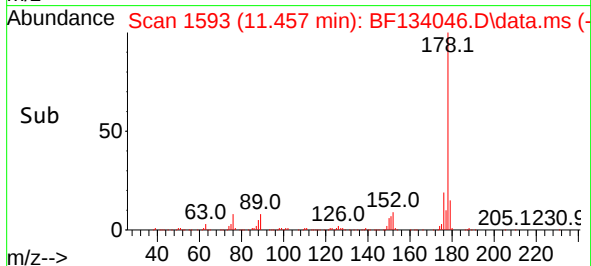
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37RE



Tgt Ion:178 Resp: 75410
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.7 12.4 18.6

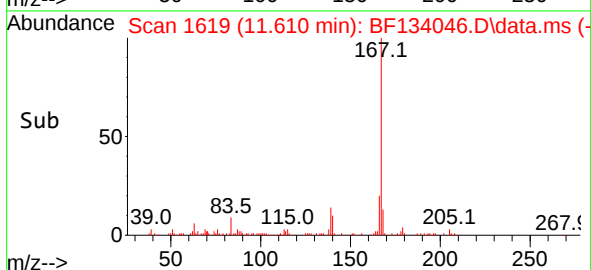
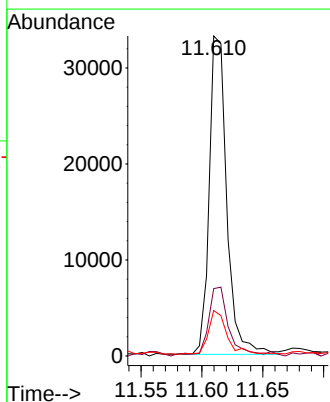
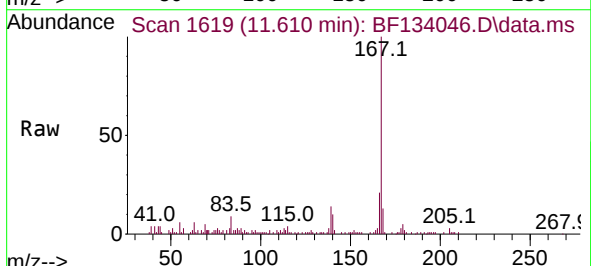
Manual Integrations
 APPROVED

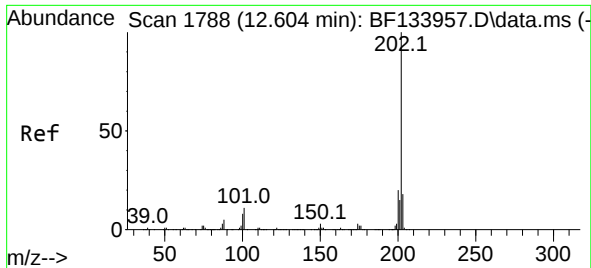
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#73
 Carbazole
 Concen: 2.708 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF134046.D
 Acq: 29 Jun 2023 20:18

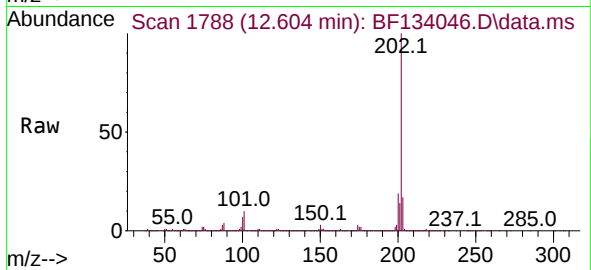
Tgt Ion:167 Resp: 33282
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 14.2 10.4 15.6





#75
Fluoranthene
Concen: 38.230 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

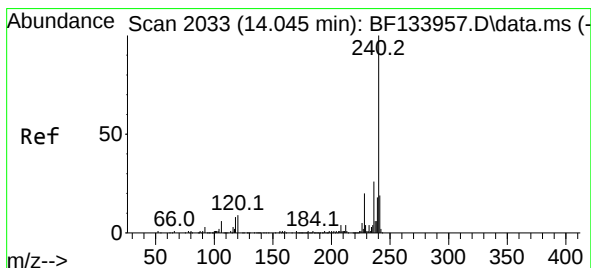
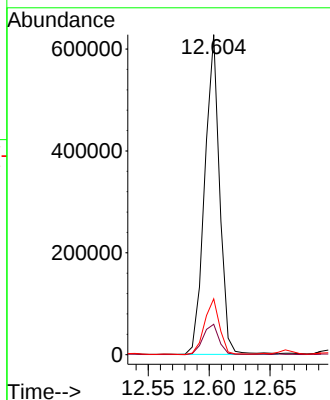
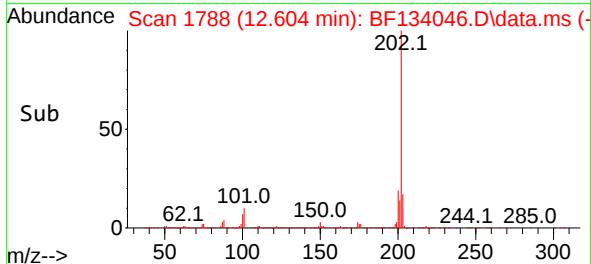
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:202 Resp: 533609
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.4 0.0 37.6

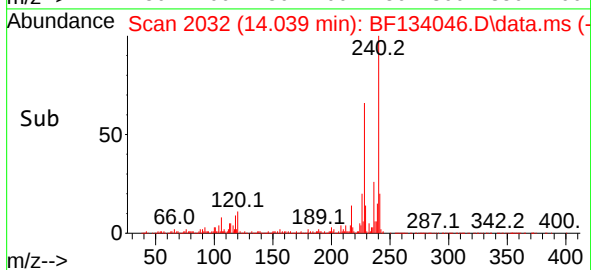
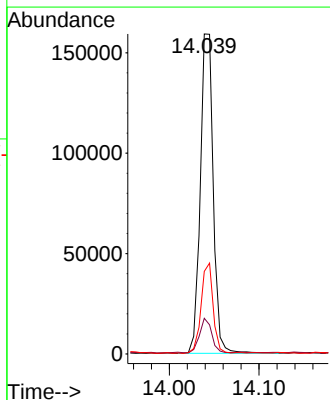
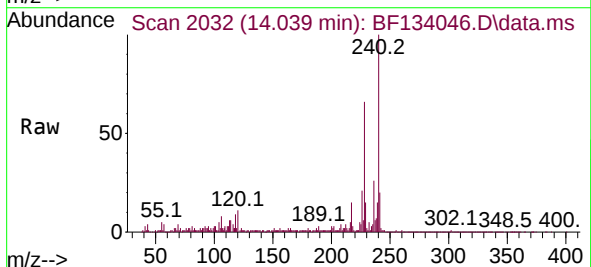
Manual Integrations
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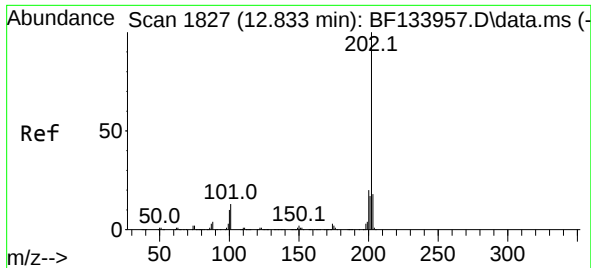
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

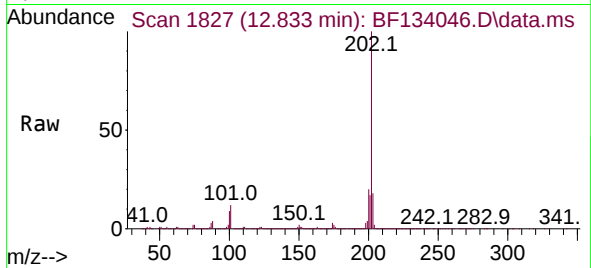
Tgt Ion:240 Resp: 160024
Ion Ratio Lower Upper
240 100
120 11.1 7.4 11.0#
236 25.8 21.0 31.6





#78
Pyrene
Concen: 31.907 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

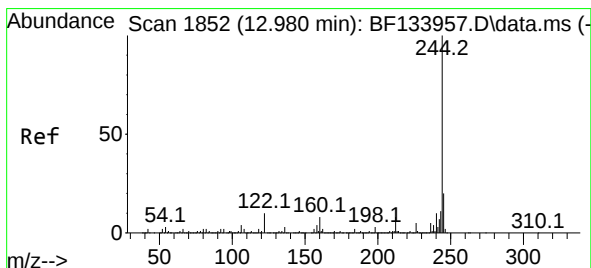
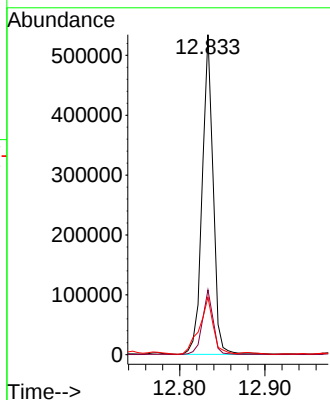
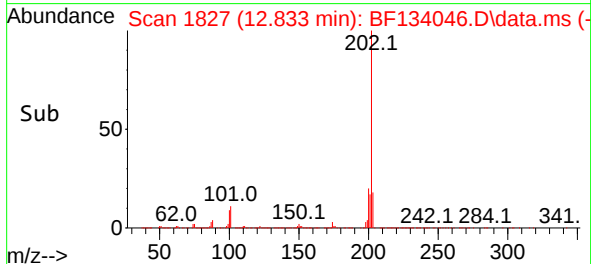
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:202 Resp: 475178
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 17.9 14.3 21.5

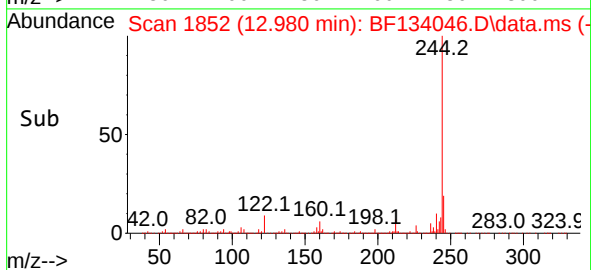
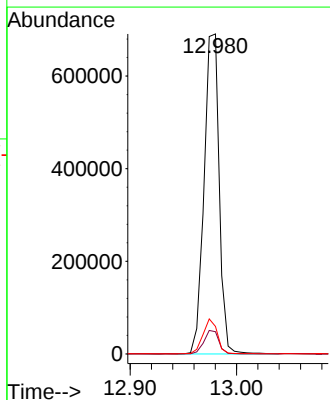
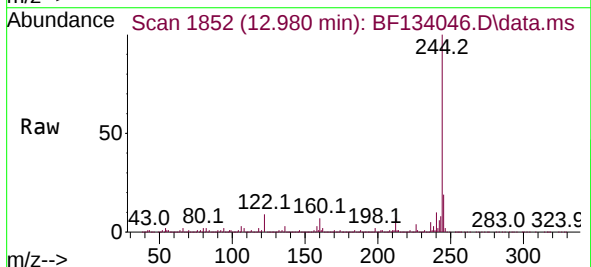
Manual Integrations
APPROVED

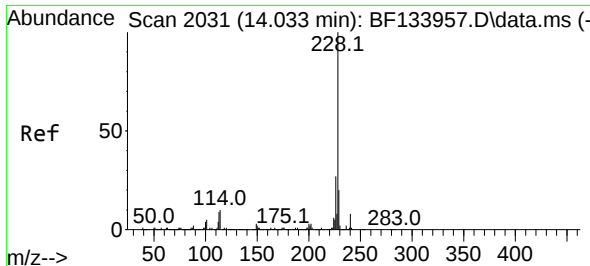
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#79
Terphenyl-d14
Concen: 68.895 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

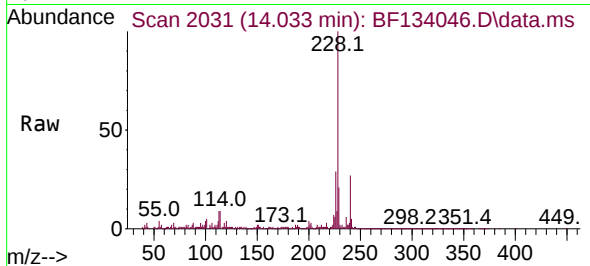
Tgt Ion:244 Resp: 685022
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 19.677 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

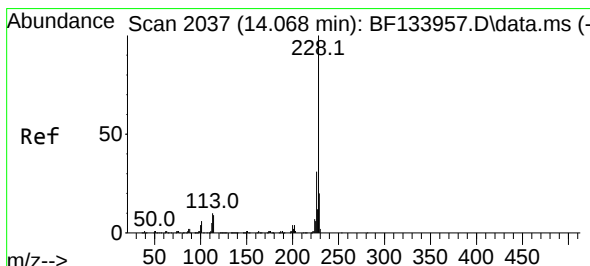
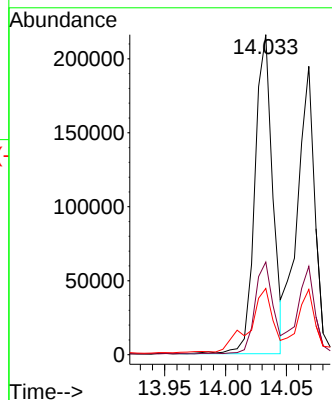
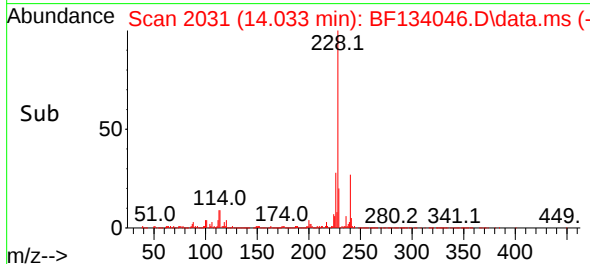
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:228 Resp: 218374
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.7 16.3 24.5

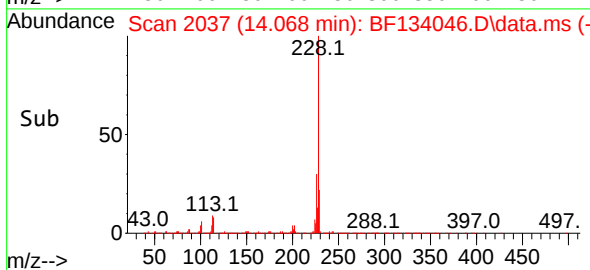
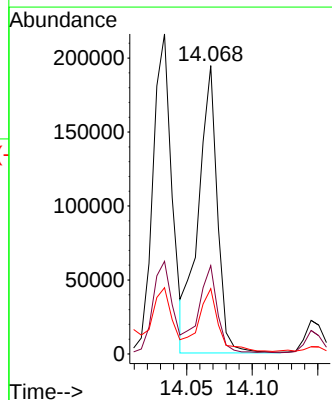
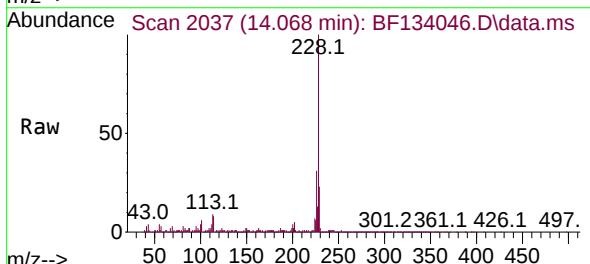
Manual Integrations
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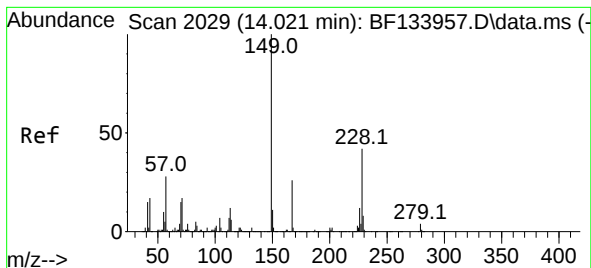
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 18.404 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

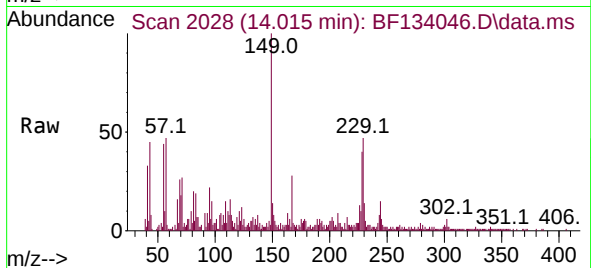
Tgt Ion:228 Resp: 197826
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.6 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.891 ng
RT: 14.015 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

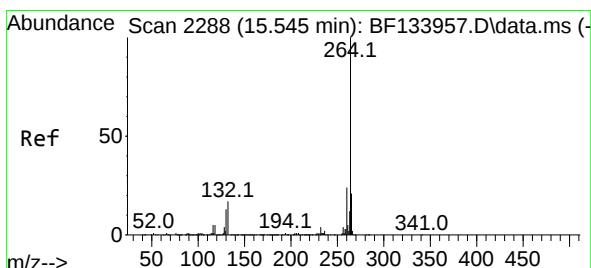
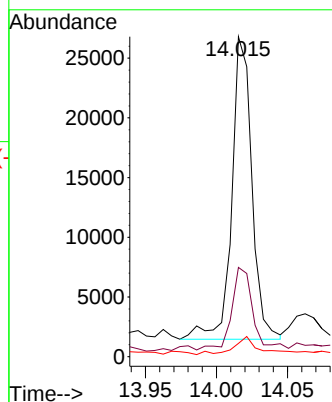
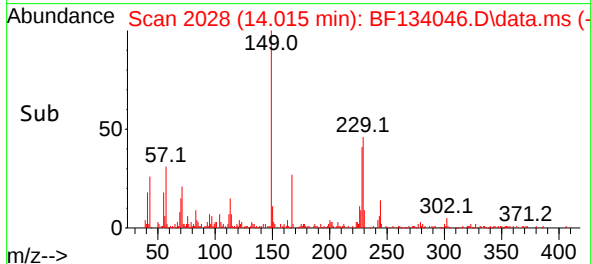
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion:149 Resp: 24970
Ion Ratio Lower Upper
149 100
167 27.9 21.0 31.4
279 4.1 3.3 4.9

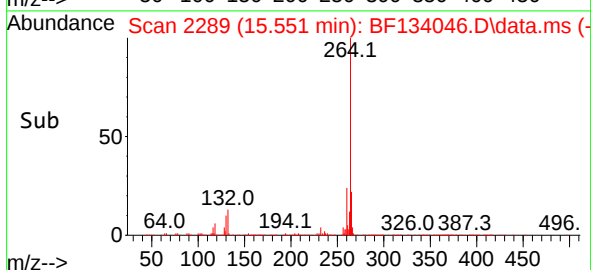
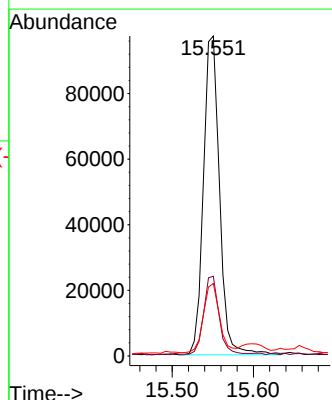
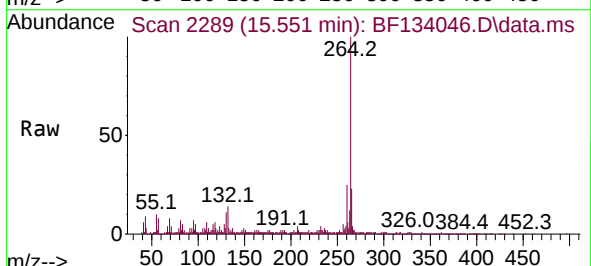
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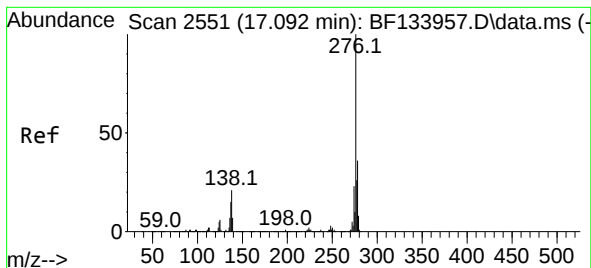
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:264 Resp: 134146
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.518 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE

Tgt Ion:276 Resp: 7928

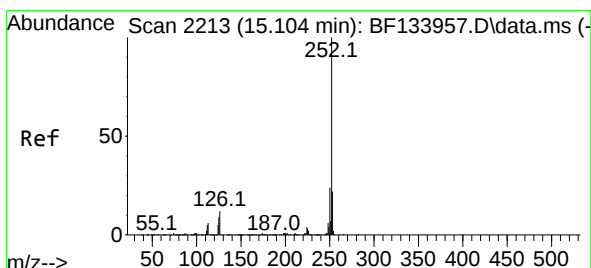
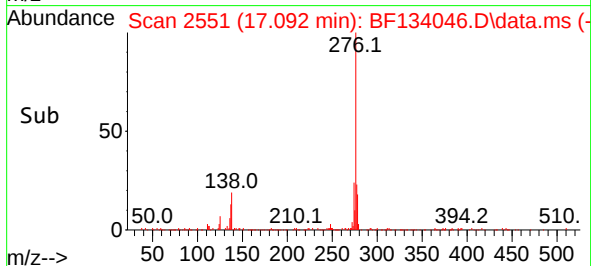
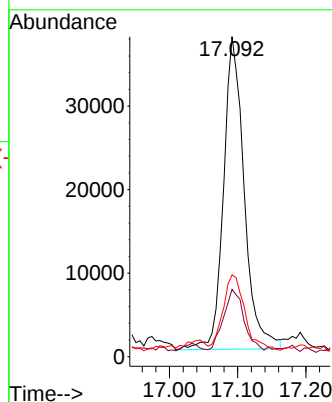
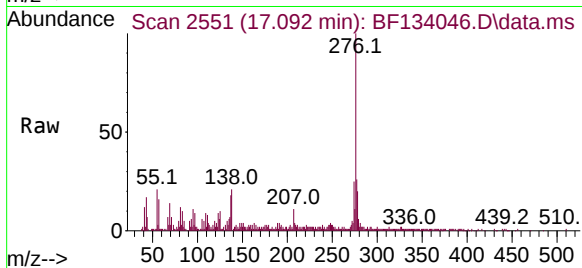
Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.7	28.1
277	25.3	19.9	29.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#88

Benzo(b)fluoranthene

Concen: 26.709 ng m

RT: 15.104 min Scan# 2213

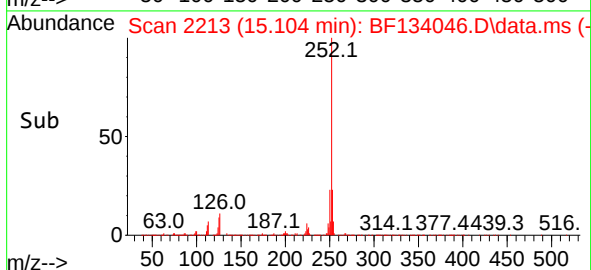
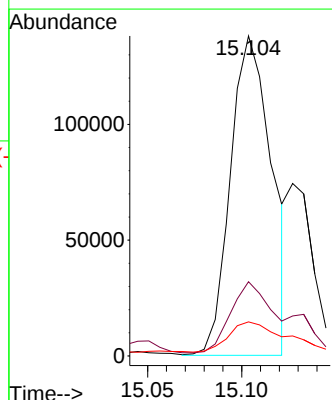
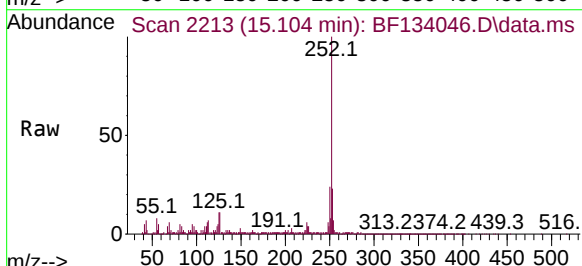
Delta R.T. 0.000 min

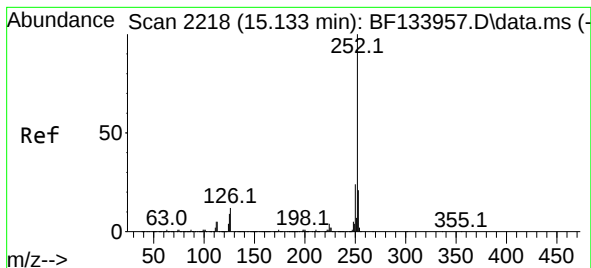
Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Tgt Ion:252 Resp: 210678

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.6	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 8.495 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

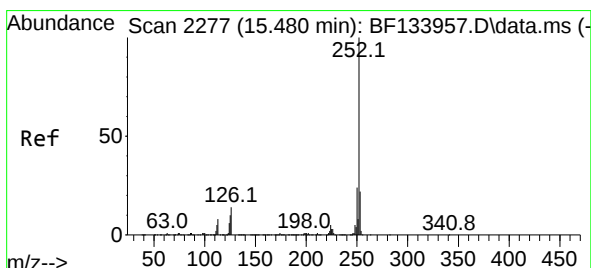
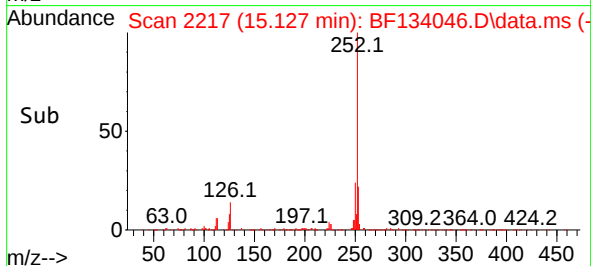
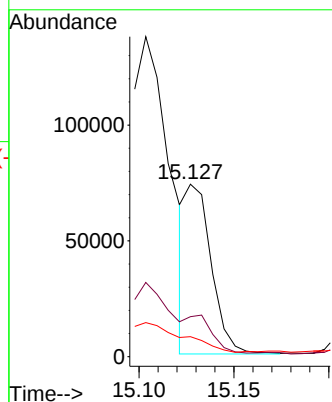
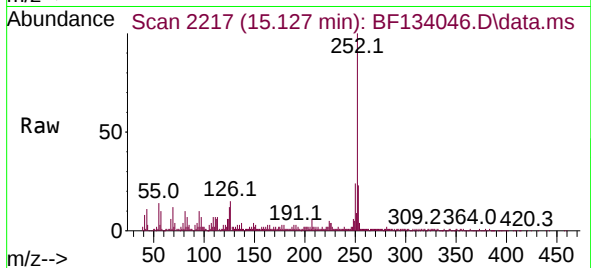
COMPOSIT-SB-32-37RE

Tgt Ion:252 Resp: 68223
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.9 25.3
 125 11.6 7.4 11.2

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 18.552 ng

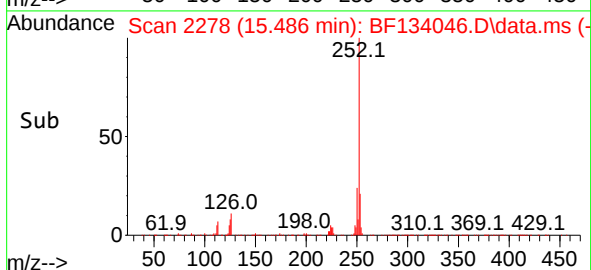
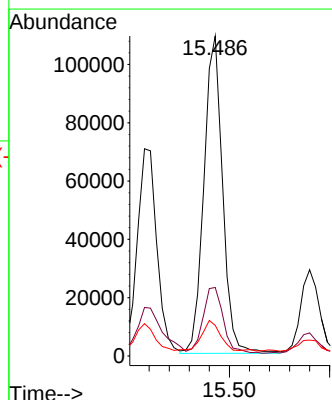
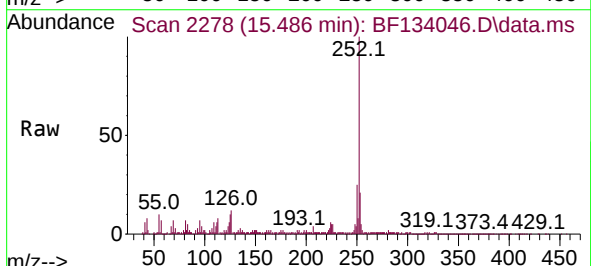
RT: 15.486 min Scan# 2278

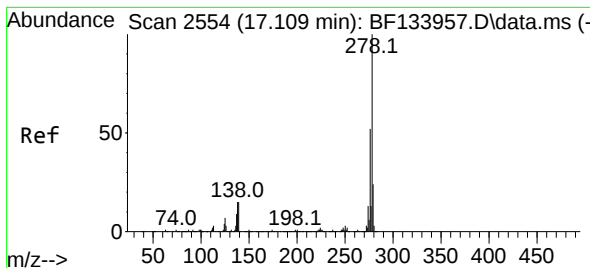
Delta R.T. 0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

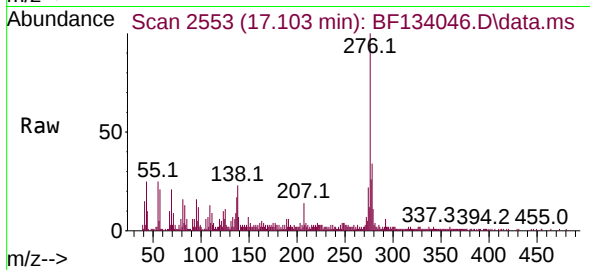
Tgt Ion:252 Resp: 141503
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.4 26.0
 125 9.6 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.618 ng
RT: 17.103 min Scan# 2554
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

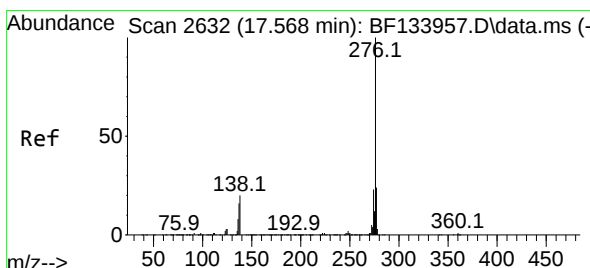
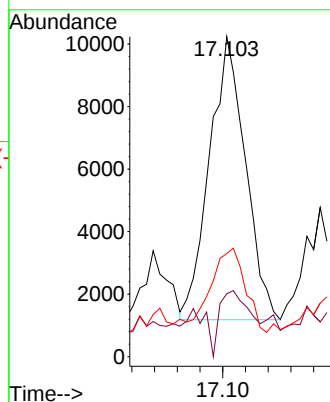
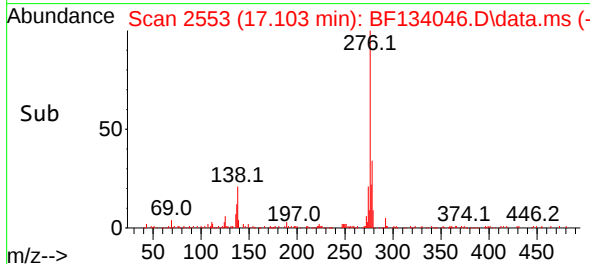
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



Tgt Ion: 278 Resp: 1990
Ion Ratio Lower Upper
278 100
139 19.7 12.2 18.4
279 32.3 19.4 29.2

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



#92
Benzo(g,h,i)perylene
Concen: 9.628 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion: 276 Resp: 75491
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.6
138 20.0 16.2 24.2

