

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134048.D
 Acq On : 29 Jun 2023 21:25
 Operator : CG\JU
 Sample : 03361-19RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-7-22RE

Quant Time: Jun 30 05:14:37 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	106277	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	388343	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	156465	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	275038	20.000	ng	0.00
76) Chrysene-d12	14.045	240	157809	20.000	ng	0.00
86) Perylene-d12	15.551	264	130143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	376586	59.274	ng	0.00
7) Phenol-d6	6.481	99	439427	56.240	ng	-0.01
23) Nitrobenzene-d5	7.404	82	291942	40.524	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	96822	49.355	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	539708	50.150	ng	0.00
79) Terphenyl-d14	12.974	244	459740	46.887	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.145	128	40087	2.137	ng	96
37) 2-Methylnaphthalene	8.839	142	31003	2.337	ng	97
49) Acenaphthylene	9.745	152	32809	2.091	ng	96
58) Fluorene	10.433	166	23876	2.157	ng	97
71) Phenanthrene	11.404	178	327428	23.648	ng	99
72) Anthracene	11.457	178	76473	5.310	ng	99
73) Carbazole	11.616	167	37203	2.822	ng	97
75) Fluoranthene	12.604	202	532712	35.588	ng	99
78) Pyrene	12.833	202	469393	31.961	ng	100
81) Benzo(a)anthracene	14.033	228	216248	19.759	ng	97
83) Chrysene	14.068	228	181578	17.129	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	106226	16.784	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	91334	10.114	ng	97
88) Benzo(b)fluoranthene	15.104	252	222785m	29.113	ng	
89) Benzo(k)fluoranthene	15.133	252	57747m	7.412	ng	
90) Benzo(a)pyrene	15.486	252	144145	19.479	ng	94
91) Dibenzo(a,h)anthracene	17.115	278	22730	3.082	ng	# 81
92) Benzo(g,h,i)perylene	17.574	276	80309	10.558	ng	95

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

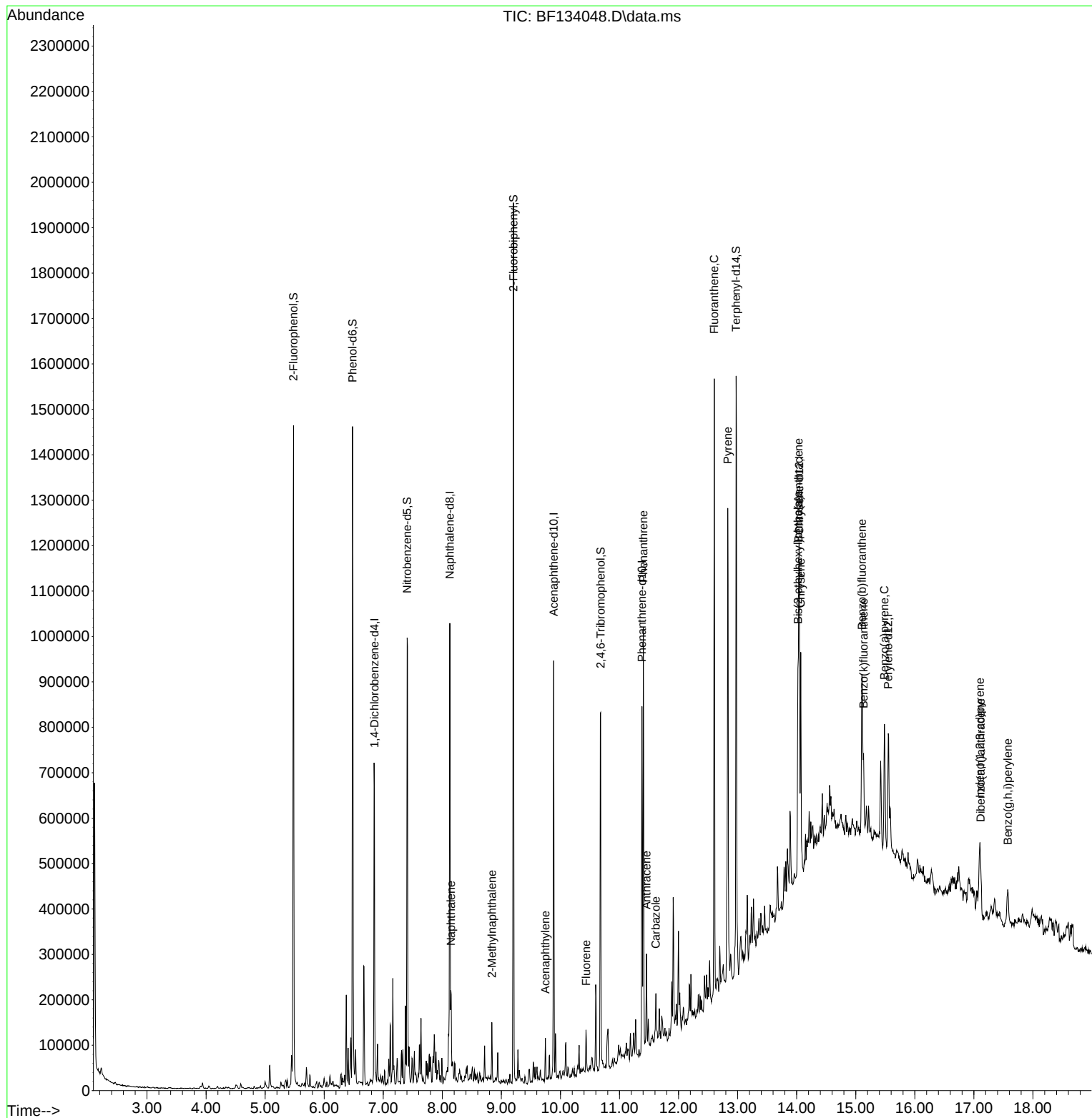
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
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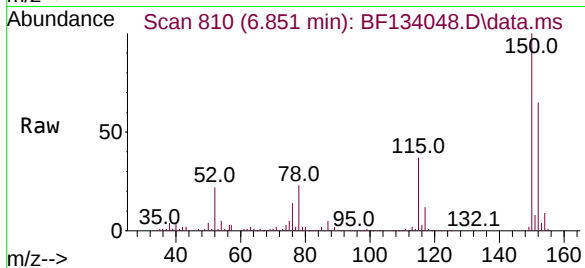
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

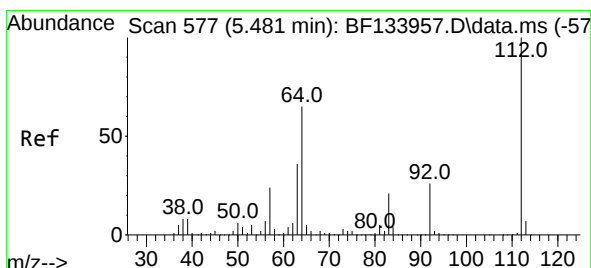
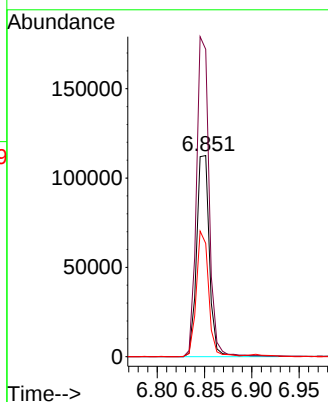
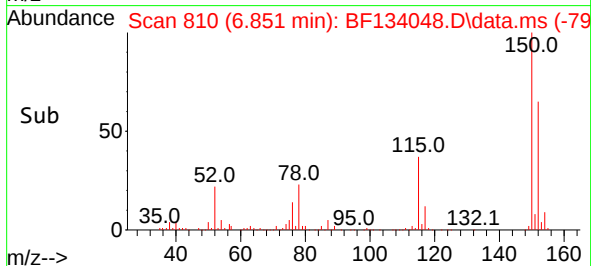
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:152 Resp: 10627
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 56.3 50.2 75.2

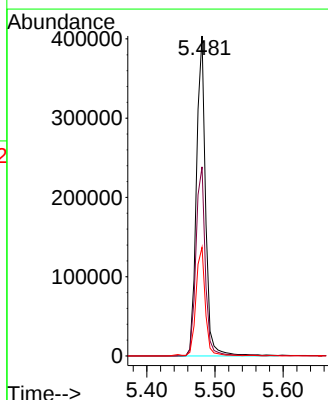
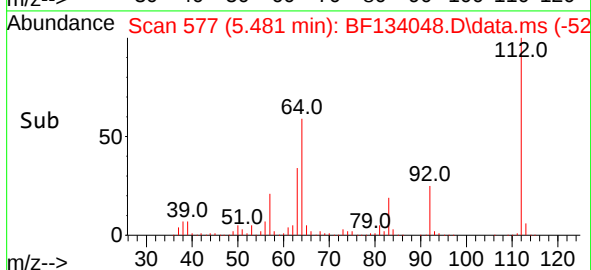
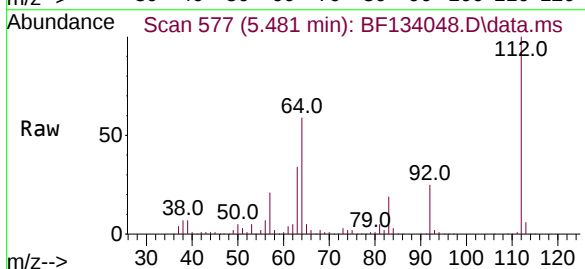
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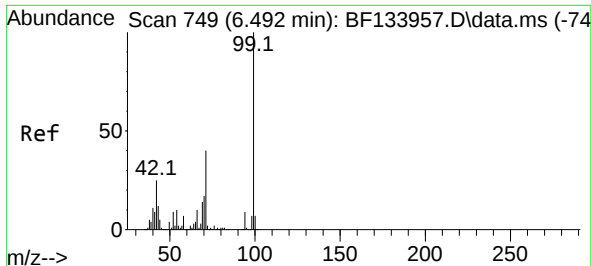
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 59.274 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

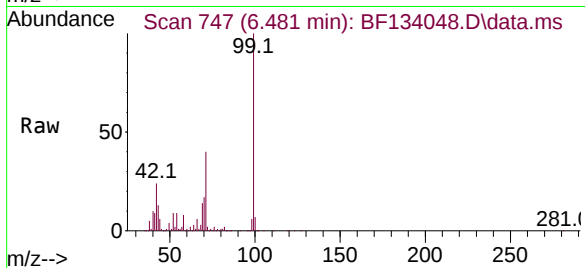
Tgt Ion:112 Resp: 376586
Ion Ratio Lower Upper
112 100
64 59.1 52.1 78.1
63 33.9 28.6 42.8





#7
Phenol-d6
Concen: 56.240 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

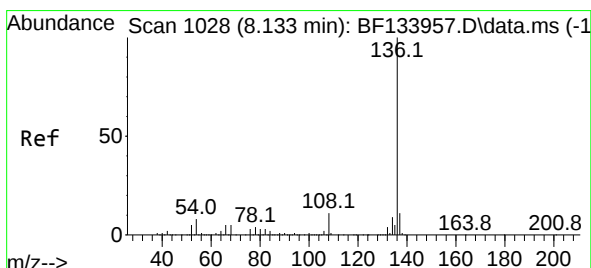
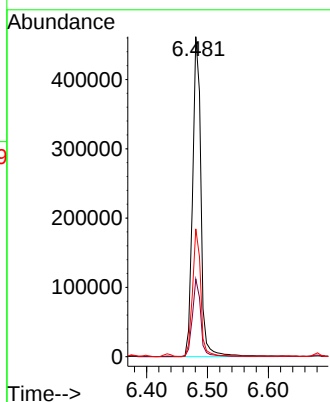
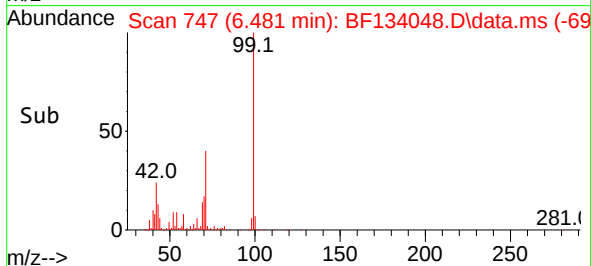
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



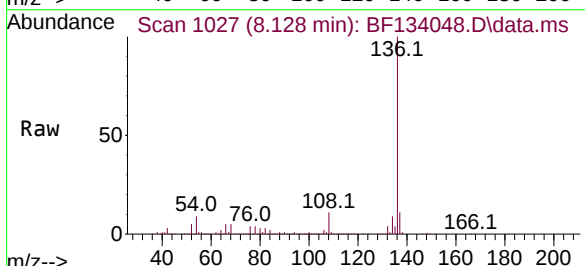
Tgt Ion: 99 Resp: 43942
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 39.9 31.9 47.9

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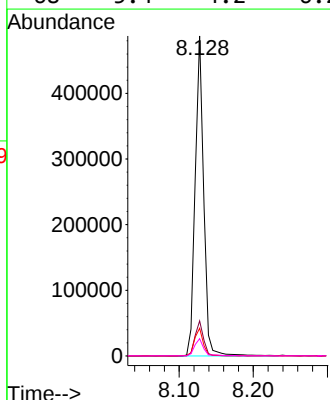
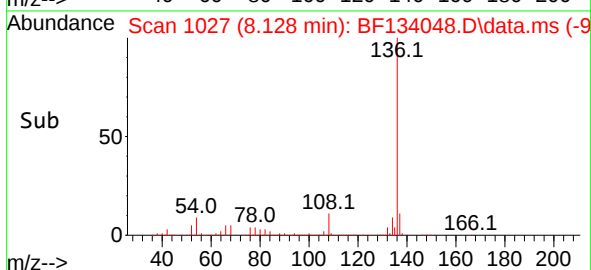
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

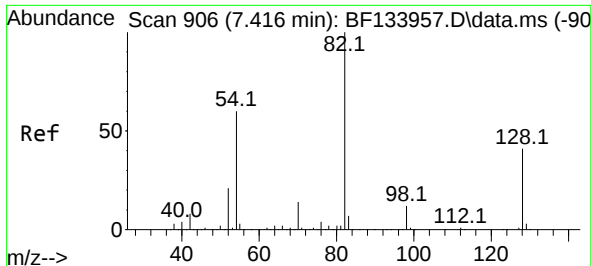


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25



Tgt Ion:136 Resp: 388343
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.7 6.5 9.7
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 40.524 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134048.D

Acq: 29 Jun 2023 21:25

Instrument :

BNA_F

ClientSampleId :

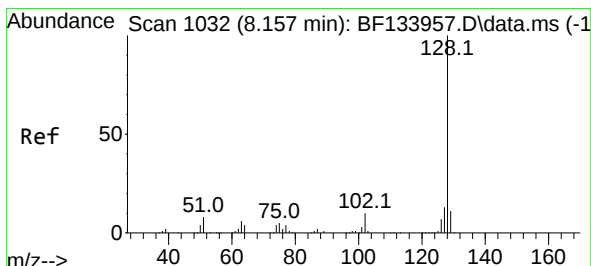
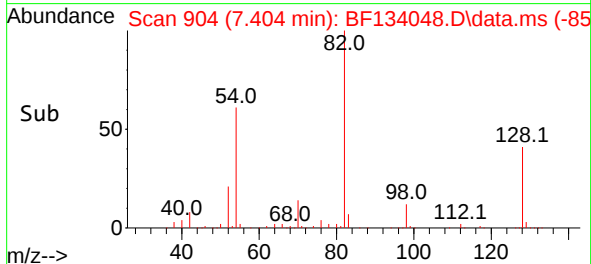
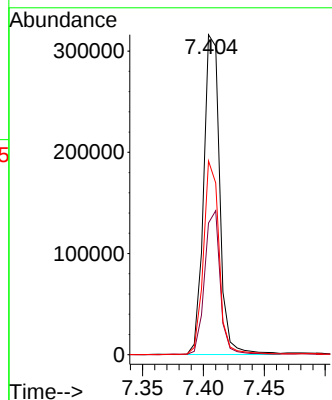
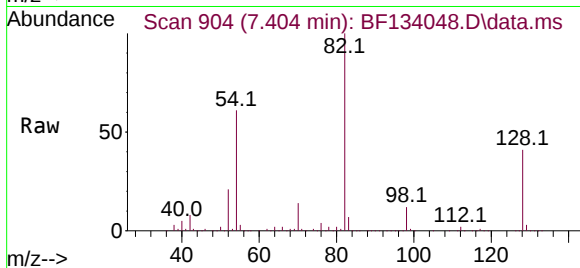
COMPOSIT-SB-7-22RE

Tgt Ion: 82	Resp: 29194
Ion Ratio	Lower Upper
82 100	
128 41.2	32.5 48.7
54 60.6	48.2 72.2

Manual Integrations

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#31

Naphthalene

Concen: 2.137 ng

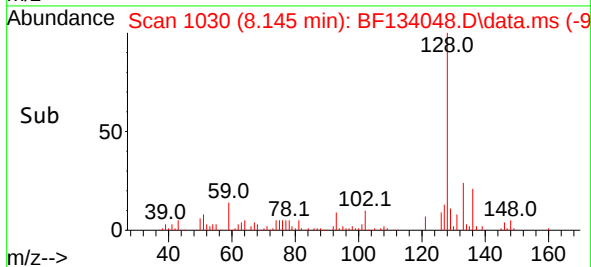
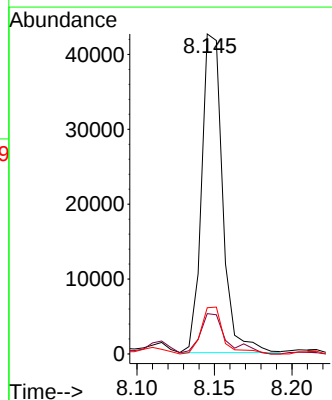
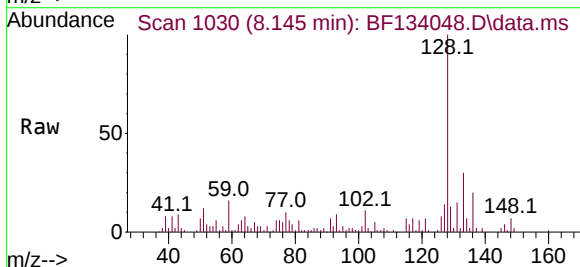
RT: 8.145 min Scan# 1030

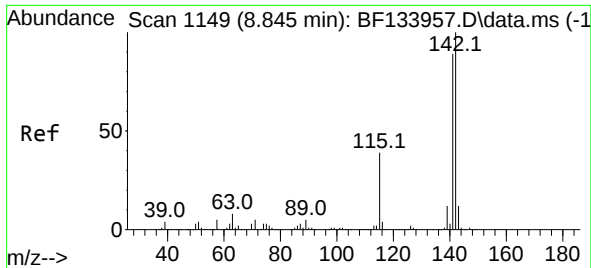
Delta R.T. -0.012 min

Lab File: BF134048.D

Acq: 29 Jun 2023 21:25

Tgt Ion:128	Resp: 40087
Ion Ratio	Lower Upper
128 100	
129 12.6	8.7 13.1
127 14.4	10.6 15.8





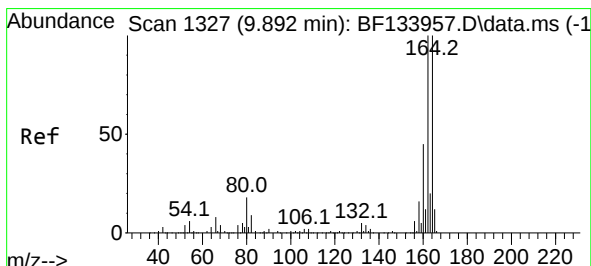
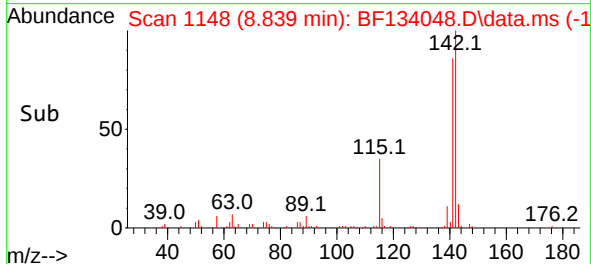
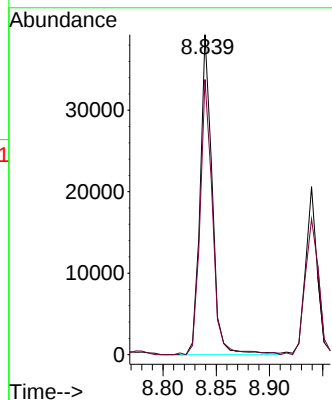
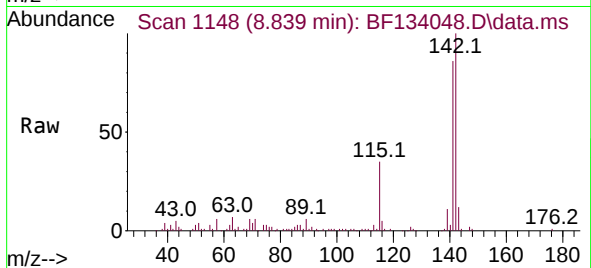
#37
2-Methylnaphthalene
Concen: 2.337 ng
RT: 8.839 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE

Tgt Ion:142 Resp: 3100
Ion Ratio Lower Upper
142 100
141 86.0 71.0 106.4

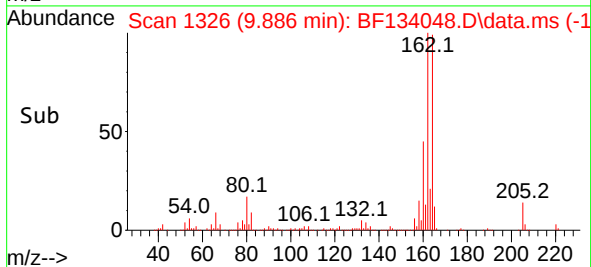
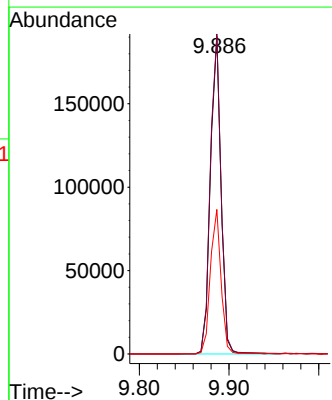
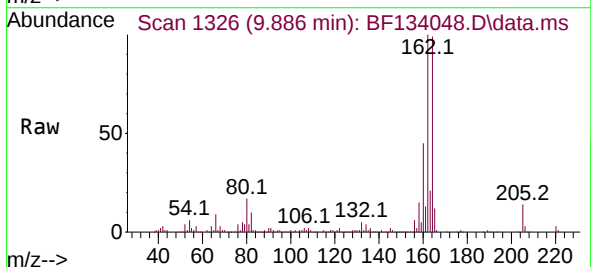
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

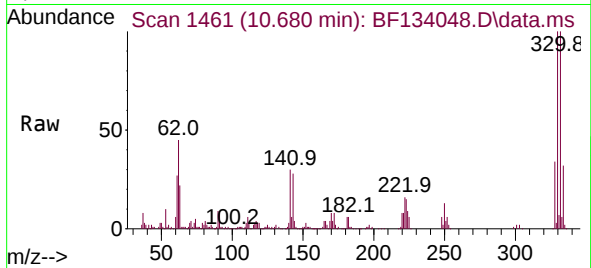
Tgt Ion:164 Resp: 156465
Ion Ratio Lower Upper
164 100
162 100.7 80.0 120.0
160 45.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 49.355 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

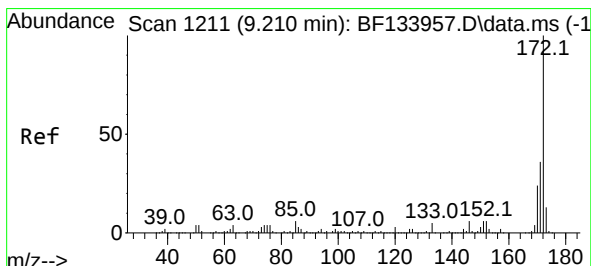
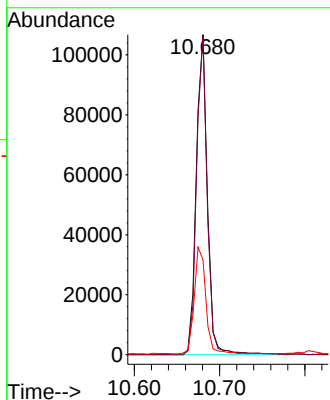
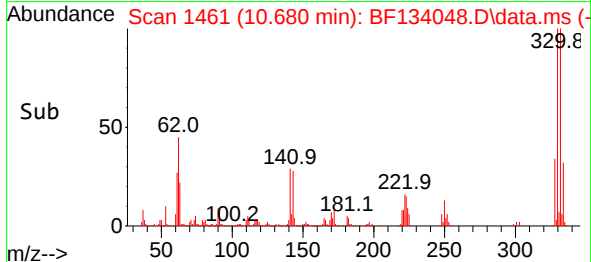
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



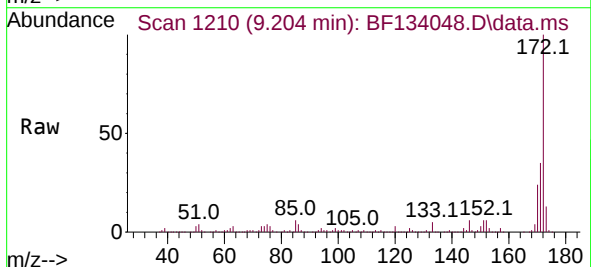
Tgt Ion: 330 Resp: 9682
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 34.7 26.3 39.5

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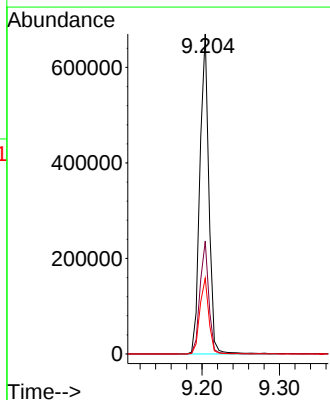
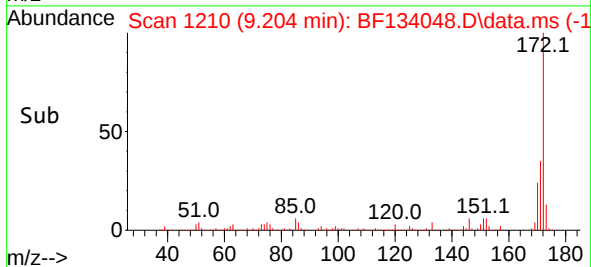
Reviewed By : Yogesh Patel 06/30/2023
Supervised By : mohammad ahmed 06/30/2023

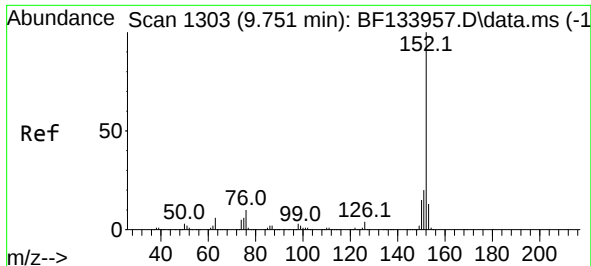


#45
2-Fluorobiphenyl
Concen: 50.150 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25



Tgt Ion: 172 Resp: 539708
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.7 19.4 29.0





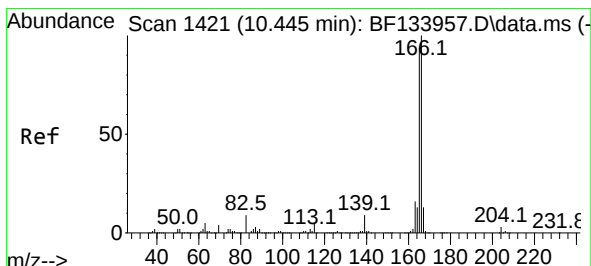
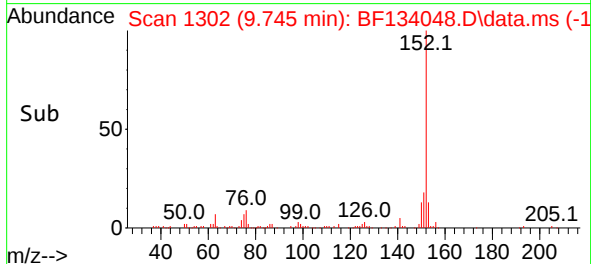
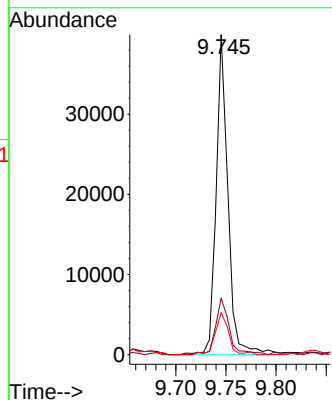
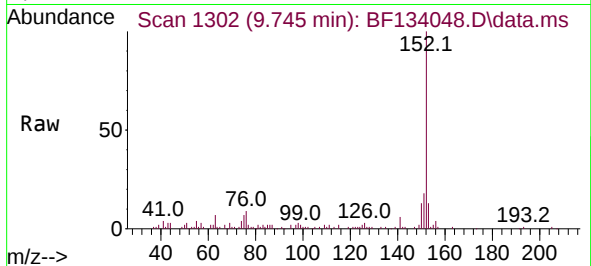
#49
Acenaphthylene
Concen: 2.091 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE

Tgt Ion:152 Resp: 32809
Ion Ratio Lower Upper
152 100
151 17.6 16.2 24.2
153 13.1 10.8 16.2

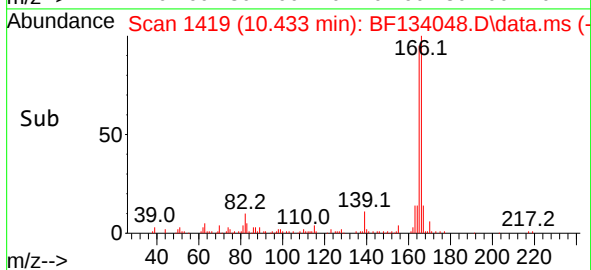
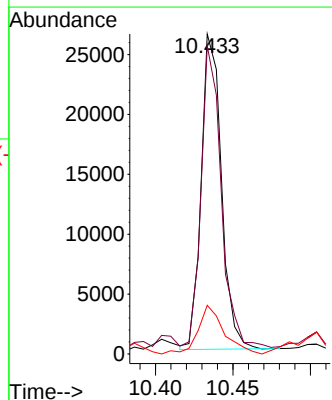
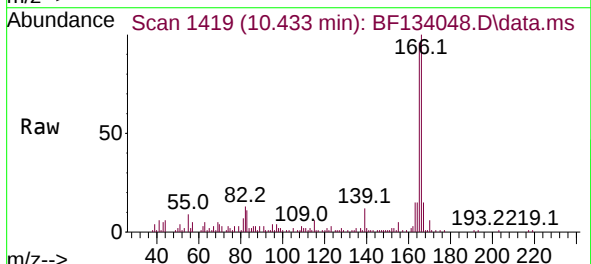
Manual Integrations
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Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#58
Fluorene
Concen: 2.157 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Tgt Ion:166 Resp: 23876
Ion Ratio Lower Upper
166 100
165 96.3 75.0 112.4
167 15.2 10.6 15.8





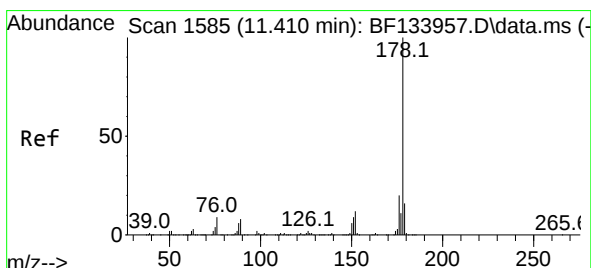
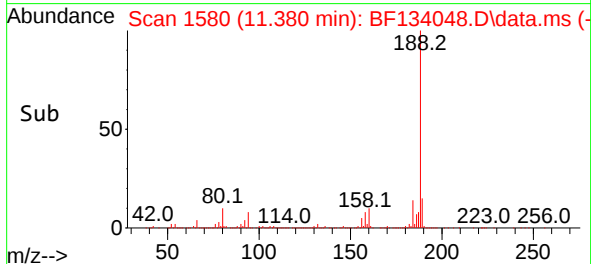
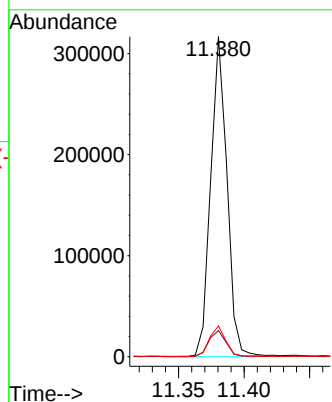
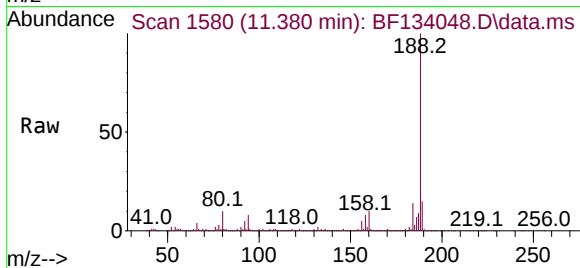
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE

Tgt Ion:188 Resp: 275038
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.6 7.3 10.9

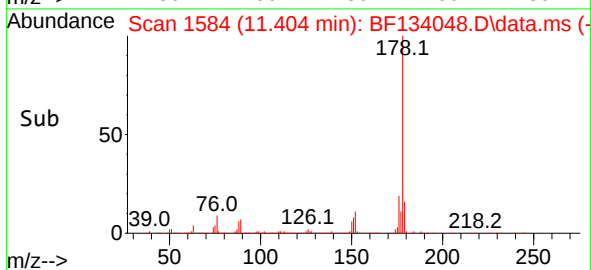
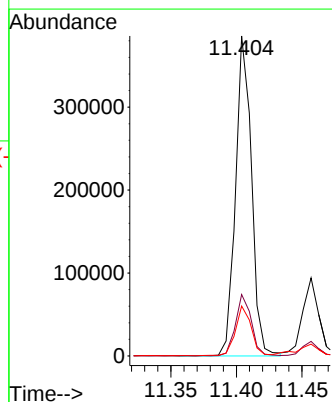
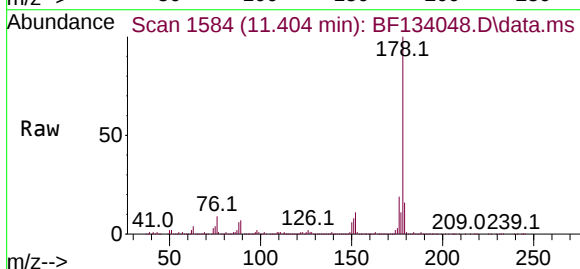
Manual Integrations
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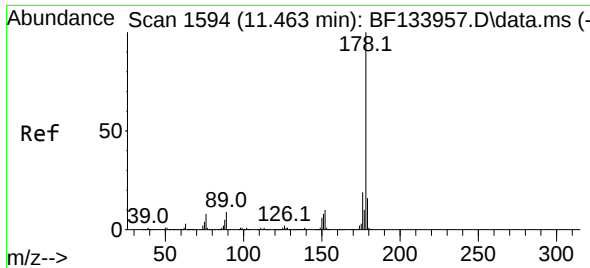
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#71
Phenanthrene
Concen: 23.648 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

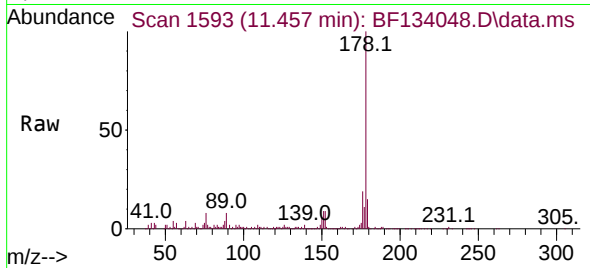
Tgt Ion:178 Resp: 327428
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 5.310 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134048.D
 Acq: 29 Jun 2023 21:25

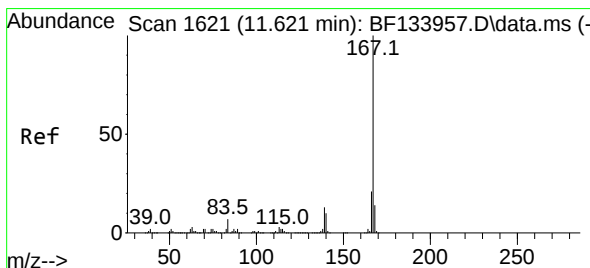
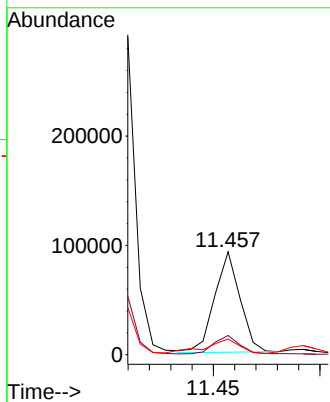
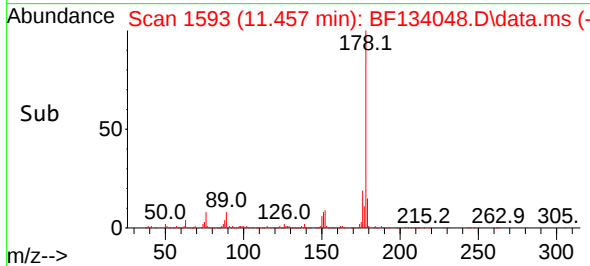
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-7-22RE



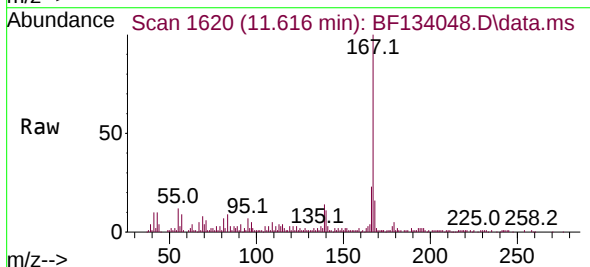
Tgt Ion:178 Resp: 7647
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.2 12.4 18.6

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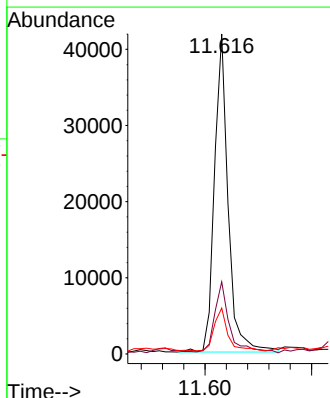
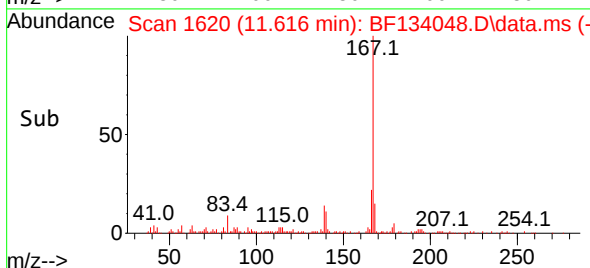
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

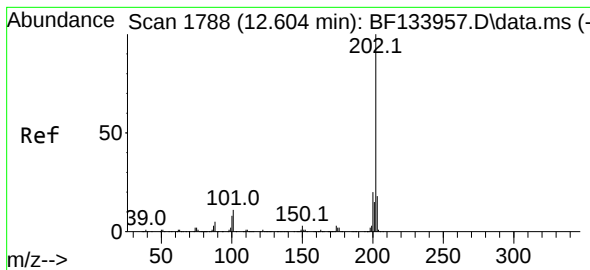


#73
 Carbazole
 Concen: 2.822 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134048.D
 Acq: 29 Jun 2023 21:25



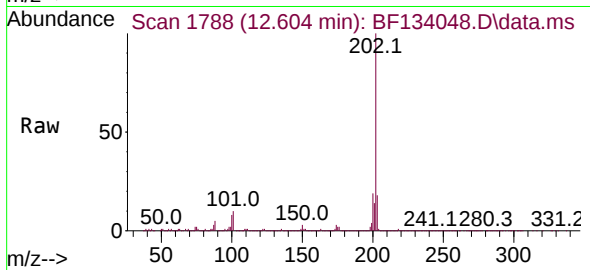
Tgt Ion:167 Resp: 37203
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.0 25.6
 139 14.3 10.4 15.6





#75
Fluoranthene
Concen: 35.588 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

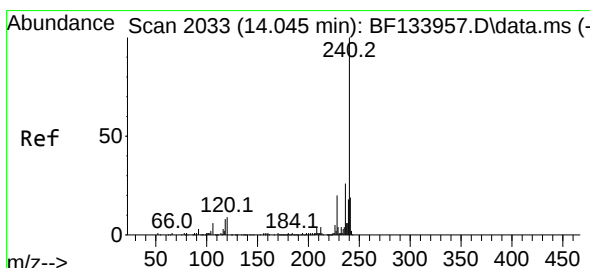
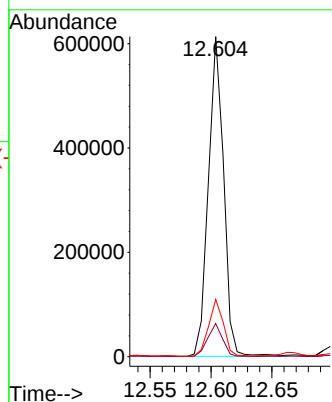
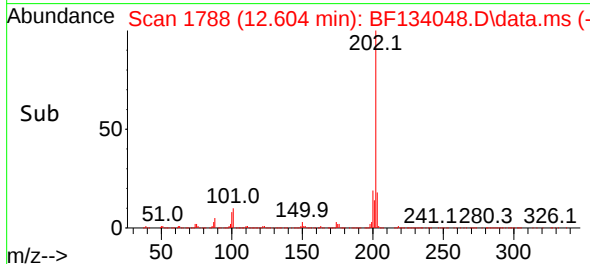
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:202 Resp: 532712
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.0
203 17.9 0.0 37.6

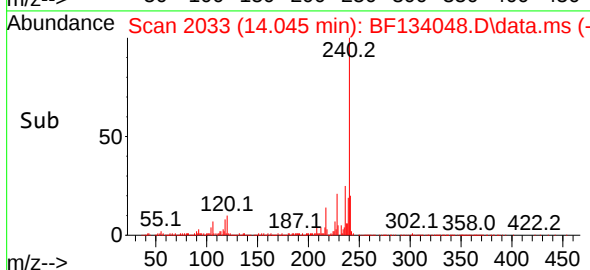
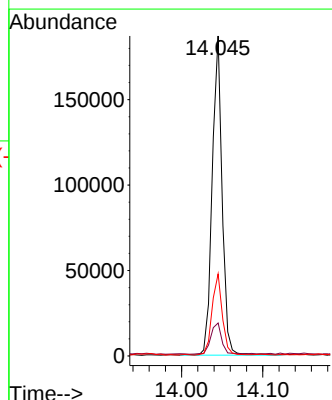
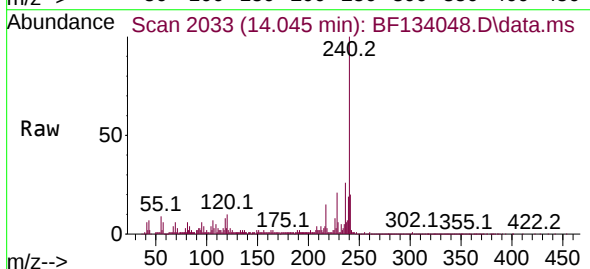
Manual Integrations
APPROVED

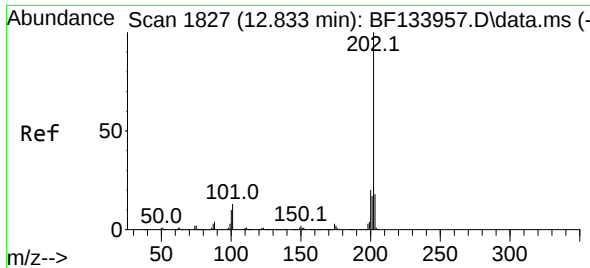
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

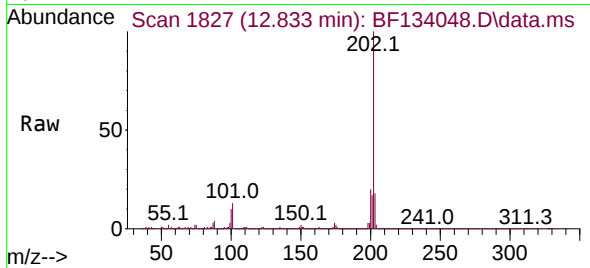
Tgt Ion:240 Resp: 157809
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.0
236 25.7 21.0 31.6





#78
Pyrene
Concen: 31.961 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

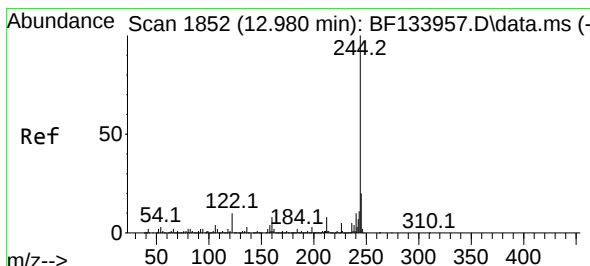
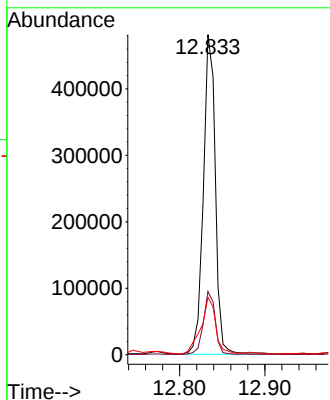
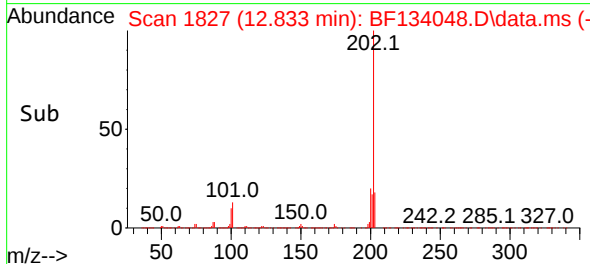
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



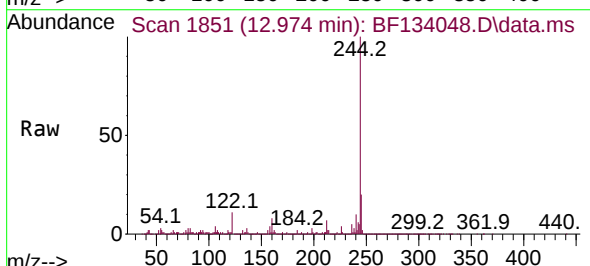
Tgt Ion:202 Resp: 46939
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.9 14.3 21.5

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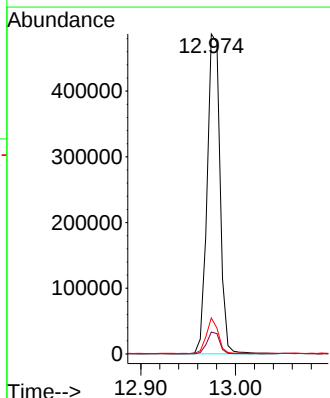
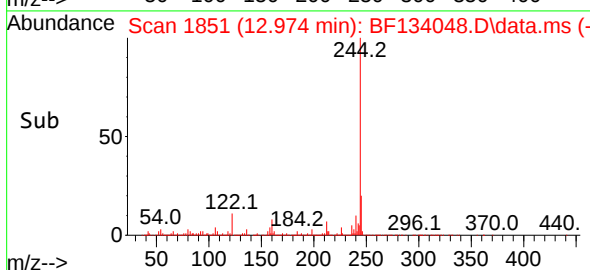
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

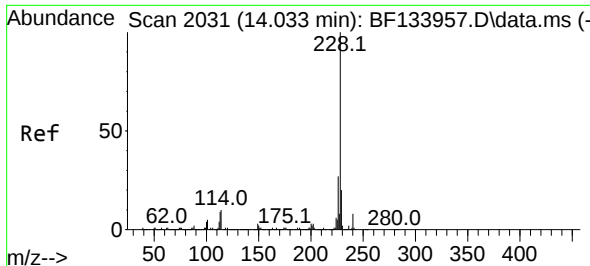


#79
Terphenyl-d14
Concen: 46.887 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25



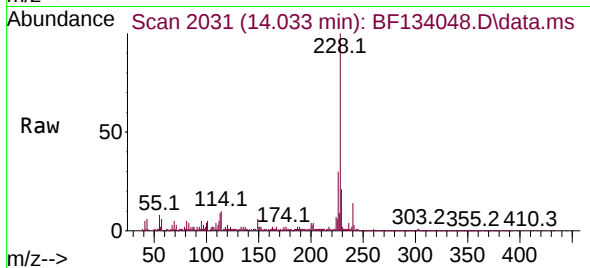
Tgt Ion:244 Resp: 459740
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 11.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 19.759 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

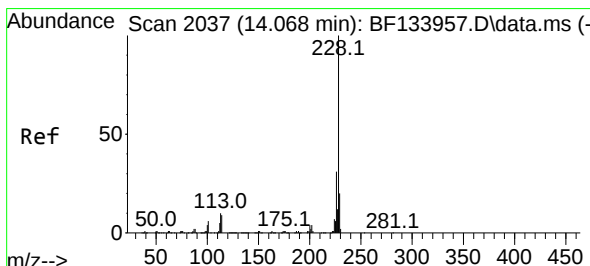
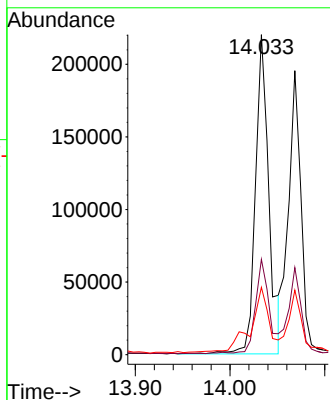
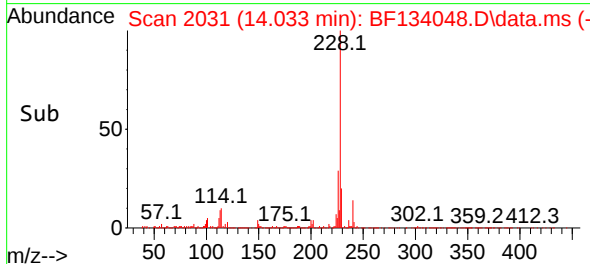
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:228 Resp: 216248
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 21.1 16.3 24.5

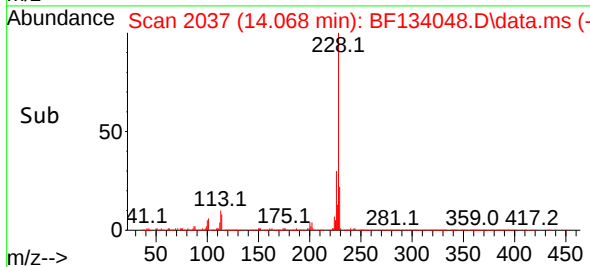
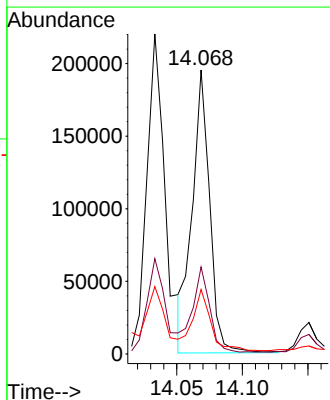
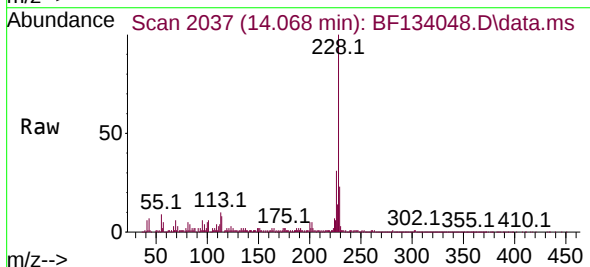
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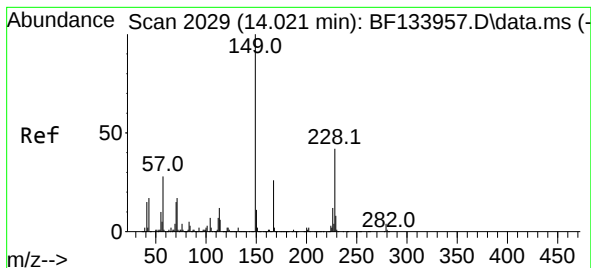
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 17.129 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

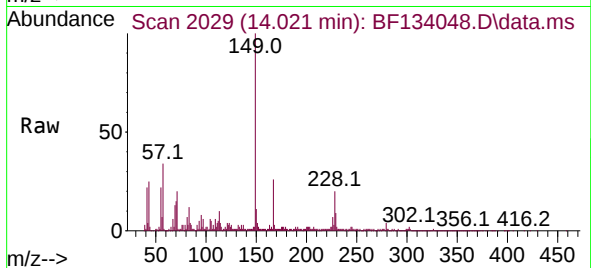
Tgt Ion:228 Resp: 181578
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.7 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 16.784 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

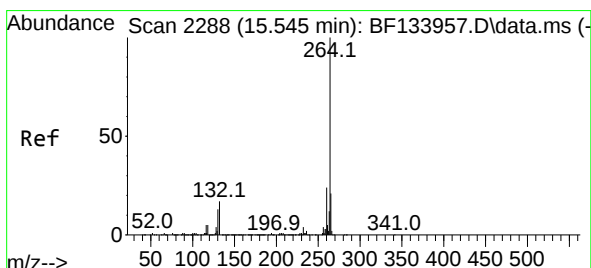
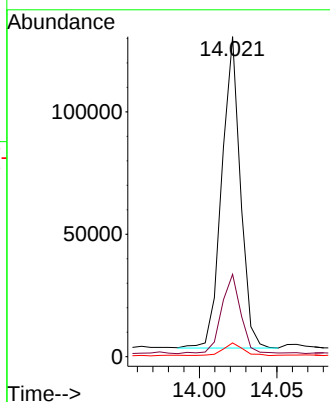
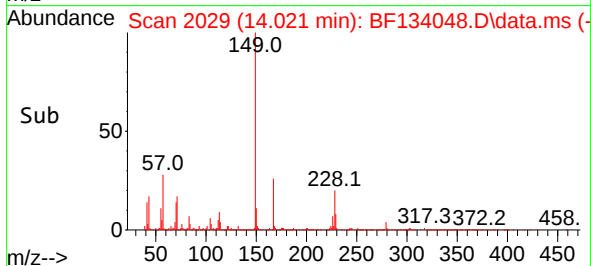
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:149 Resp: 106220
Ion Ratio Lower Upper
149 100
167 25.8 21.0 31.4
279 4.3 3.3 4.9

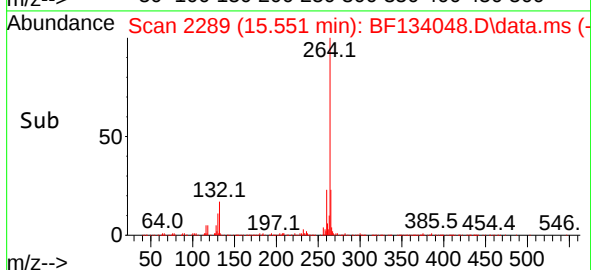
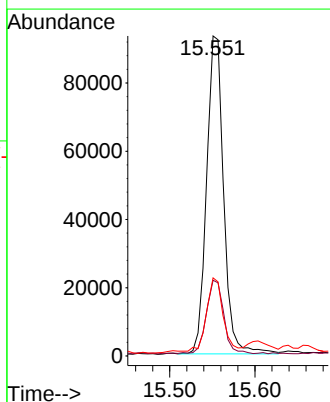
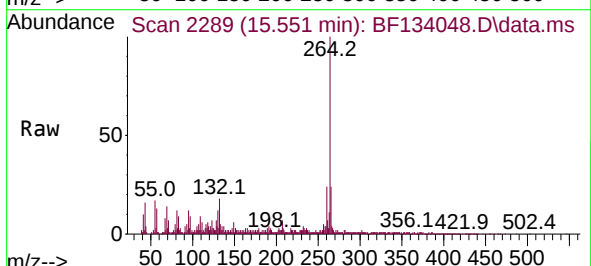
Manual Integrations
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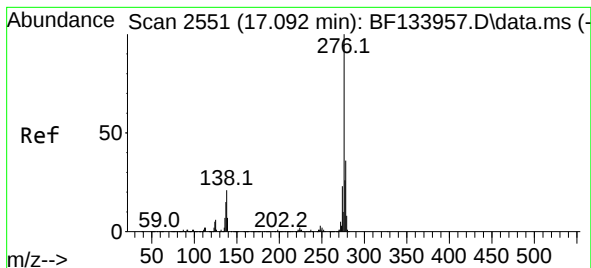
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Tgt Ion:264 Resp: 130143
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 24.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.114 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134048.D

Acq: 29 Jun 2023 21:25

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-7-22RE

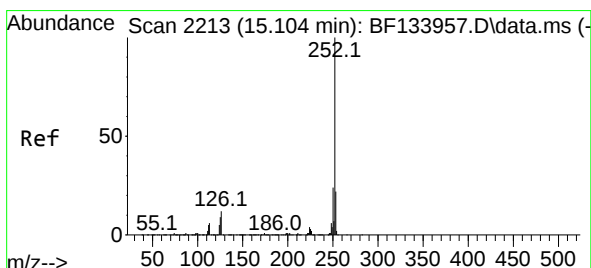
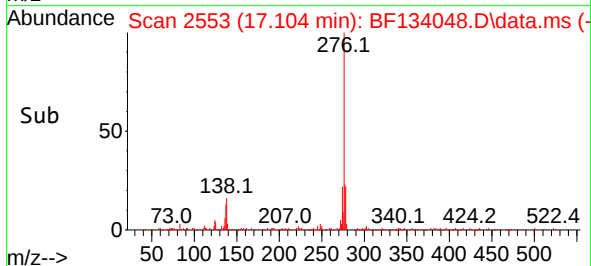
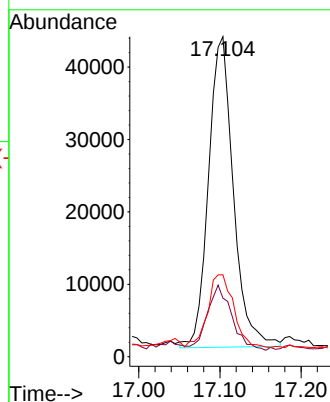
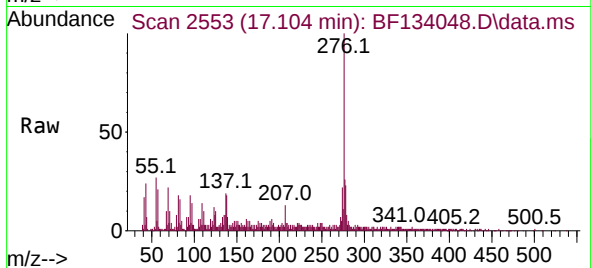
Tgt Ion:276 Resp: 91334
 Ion Ratio Lower Upper
 276 100
 138 20.6 18.7 28.1
 277 25.0 19.9 29.9

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: 29.113 ng m

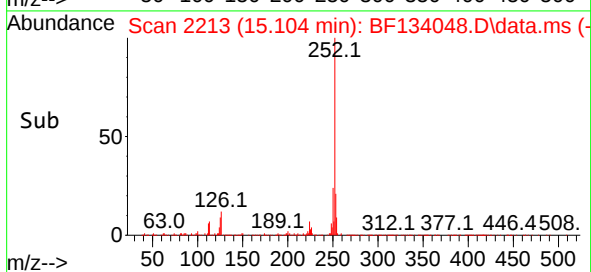
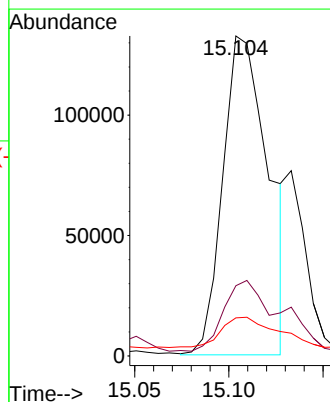
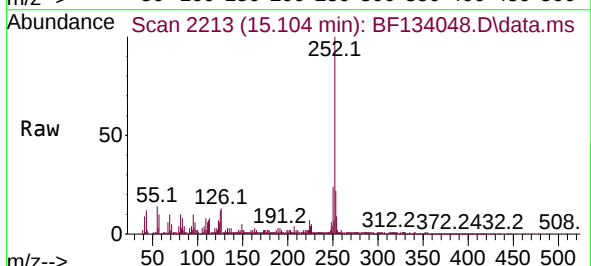
RT: 15.104 min Scan# 2213

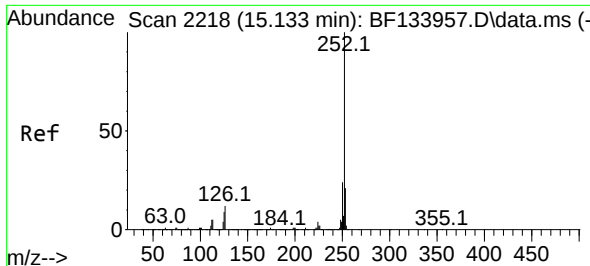
Delta R.T. 0.000 min

Lab File: BF134048.D

Acq: 29 Jun 2023 21:25

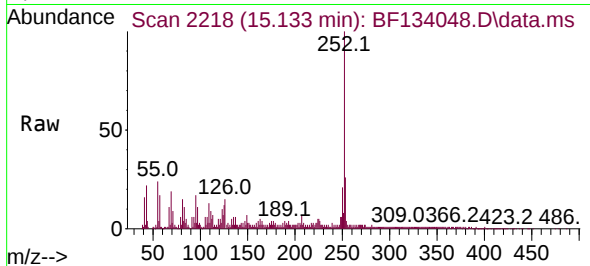
Tgt Ion:252 Resp: 222785
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.0
 125 11.9 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 7.412 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

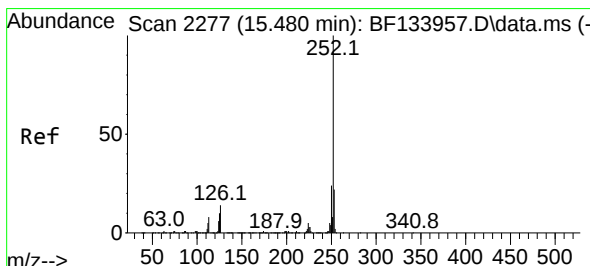
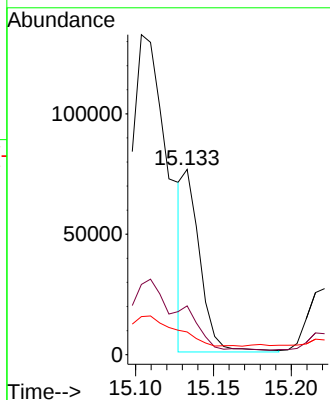
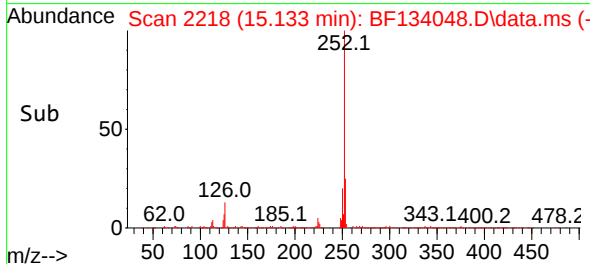
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:252 Resp: 5774
Ion Ratio Lower Upper
252 100
253 26.4 16.9 25.3
125 12.3 7.4 11.2

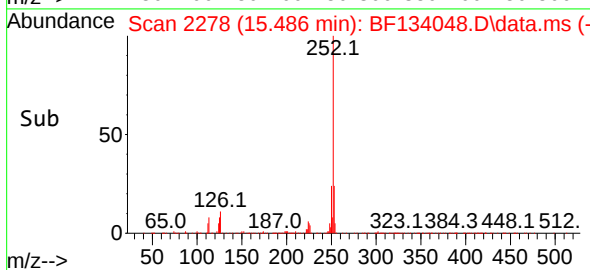
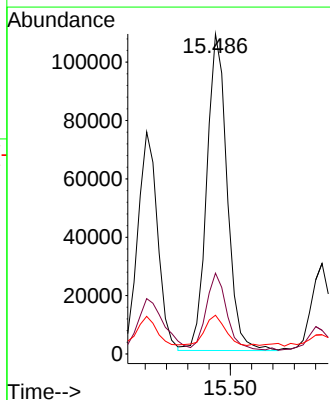
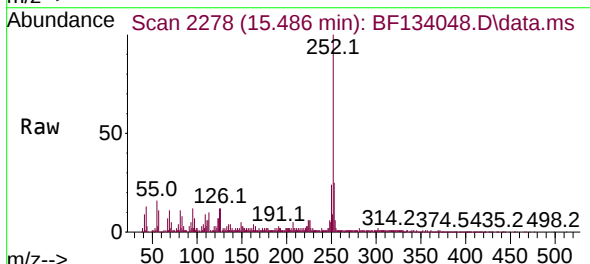
Manual Integrations
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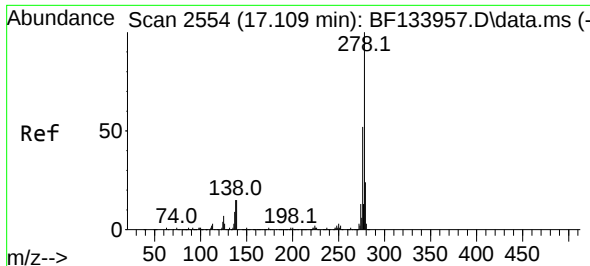
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#90
Benzo(a)pyrene
Concen: 19.479 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

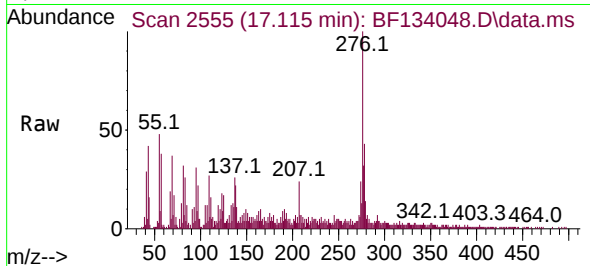
Tgt Ion:252 Resp: 144145
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 12.1 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 3.082 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

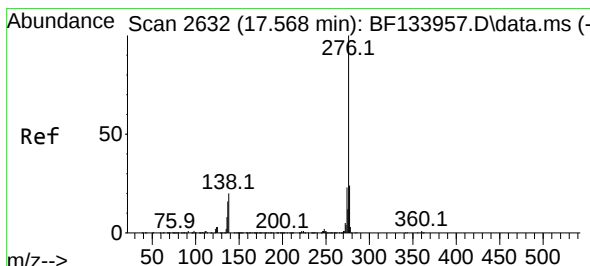
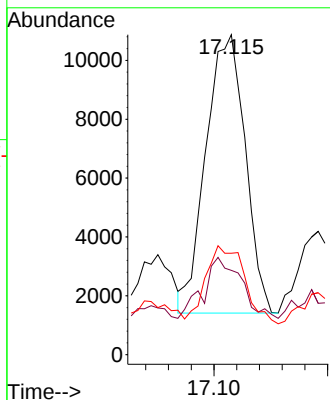
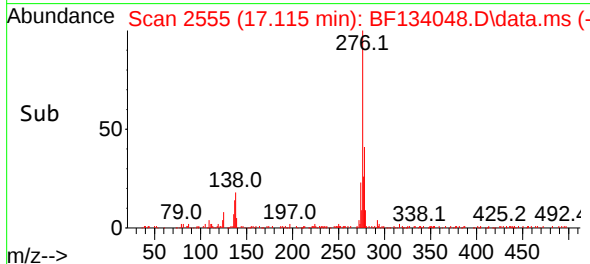
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22RE



Tgt Ion:278 Resp: 22730
Ion Ratio Lower Upper
278 100
139 26.4 12.2 18.4
279 31.7 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: 10.558 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.006 min
Lab File: BF134048.D
Acq: 29 Jun 2023 21:25

Tgt Ion:276 Resp: 80309
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.6
138 22.2 16.2 24.2

