

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134017.D
 Acq On : 28 Jun 2023 06:55
 Operator : CG\JU
 Sample : 03355-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 07:25:32 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	101441	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	385508	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	156177	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	307655	20.000	ng	0.00
76) Chrysene-d12	14.045	240	159546	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	149808	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	448285	73.922	ng	0.00
7) Phenol-d6	6.487	99	520105	69.739	ng	0.00
23) Nitrobenzene-d5	7.410	82	333719	46.664	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	119931	61.247	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	634064	59.027	ng	0.00
79) Terphenyl-d14	12.980	244	700495	70.662	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	48671	2.614	ng	97
49) Acenaphthylene	9.751	152	98447	6.287	ng	97
52) Acenaphthene	9.922	154	22513	2.478	ng	97
58) Fluorene	10.439	166	43803m	3.965	ng	
71) Phenanthrene	11.410	178	572484	36.963	ng	99
72) Anthracene	11.463	178	171415	10.641	ng	98
75) Fluoranthene	12.610	202	1116691	66.693	ng	99
78) Pyrene	12.839	202	1101278	74.171	ng	99
81) Benzo(a)anthracene	14.039	228	423152	38.243	ng	95
83) Chrysene	14.074	228	372424	34.751	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	44528	6.959	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	184130	17.713	ng	93
88) Benzo(b)fluoranthene	15.116	252	372065m	42.238	ng	
89) Benzo(k)fluoranthene	15.139	252	144516m	16.113	ng	
90) Benzo(a)pyrene	15.492	252	286887	33.680	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	46977m	5.533	ng	
92) Benzo(g,h,i)perylene	17.574	276	147372	16.831	ng	98

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

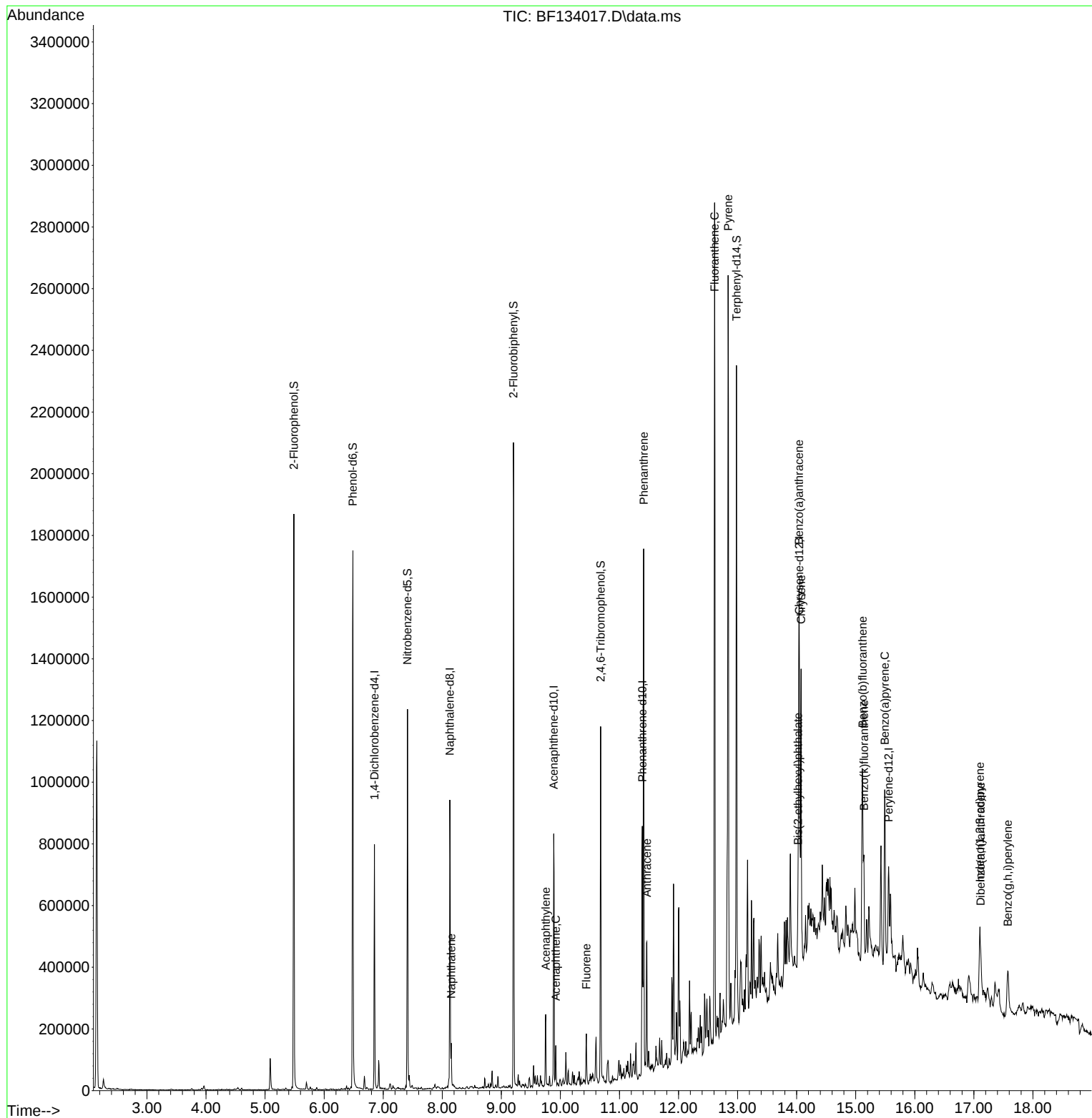
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
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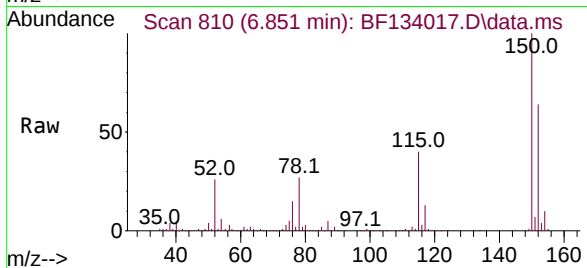
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

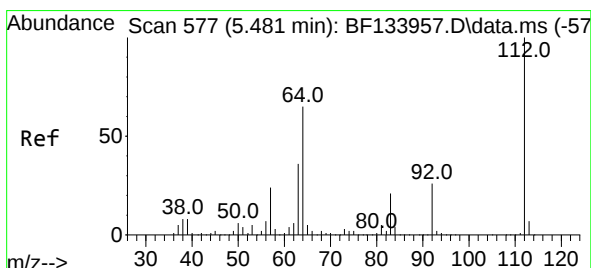
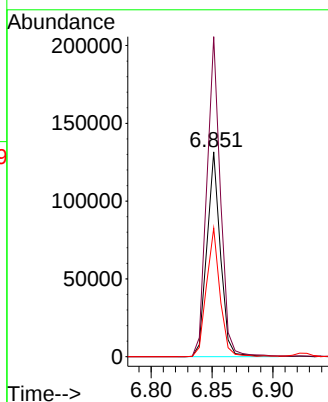
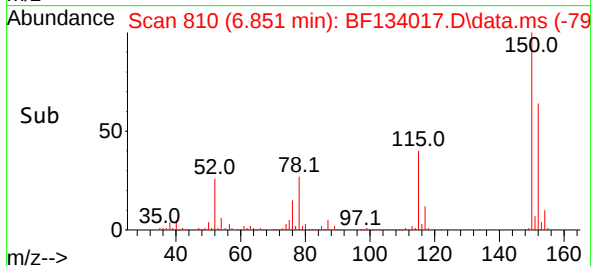


Tgt Ion:152 Resp: 10144
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 62.8 50.2 75.2

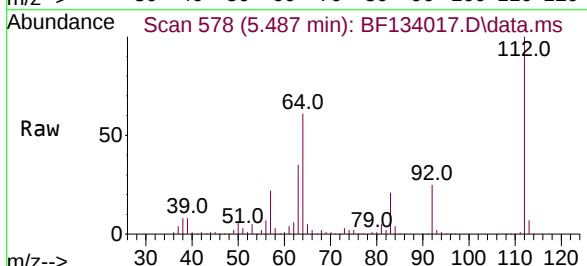
Manual Integrations

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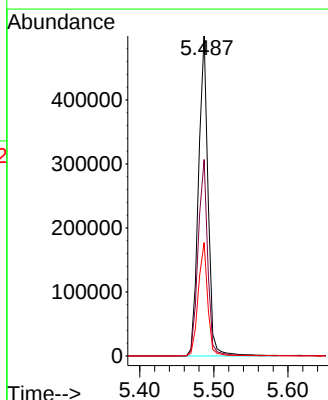
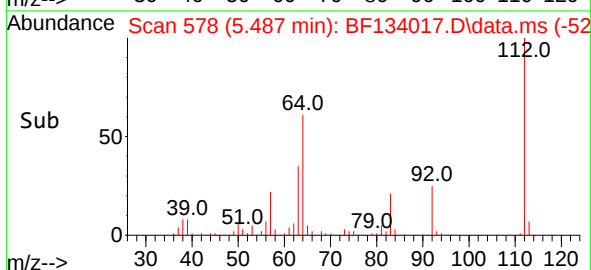
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 73.922 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55



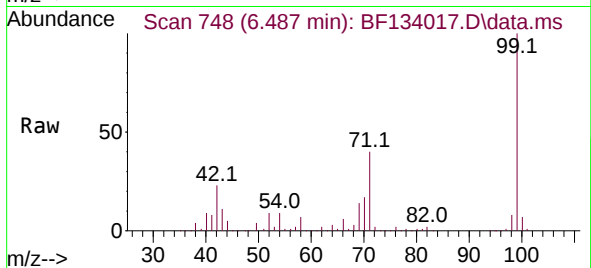
Tgt Ion:112 Resp: 448285
Ion Ratio Lower Upper
112 100
64 61.4 52.1 78.1
63 35.5 28.6 42.8





#7
Phenol-d6
Concen: 69.739 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

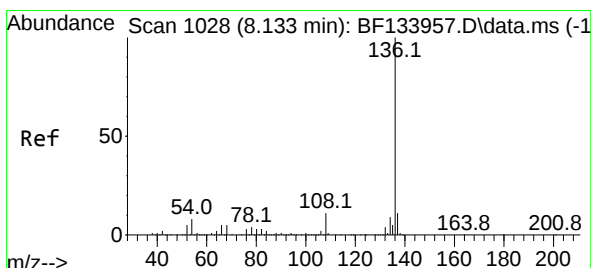
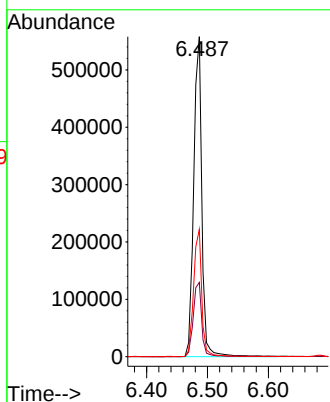
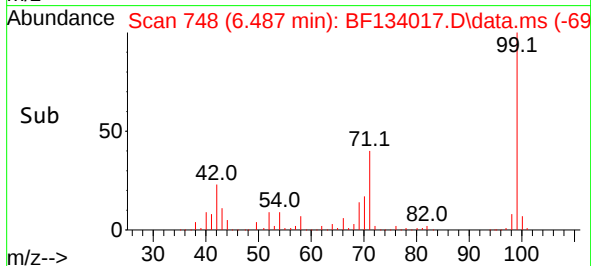
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP



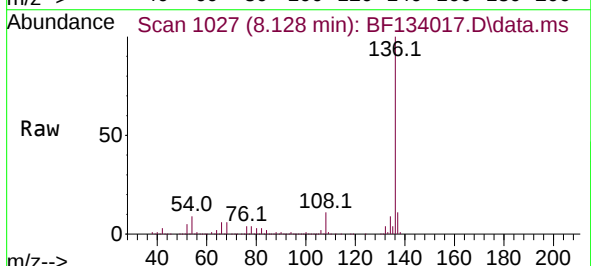
Tgt Ion: 99 Resp: 52010
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 39.8 31.9 47.9

Manual Integrations
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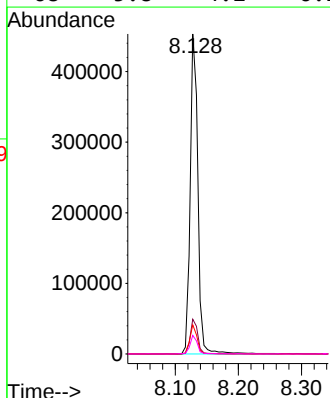
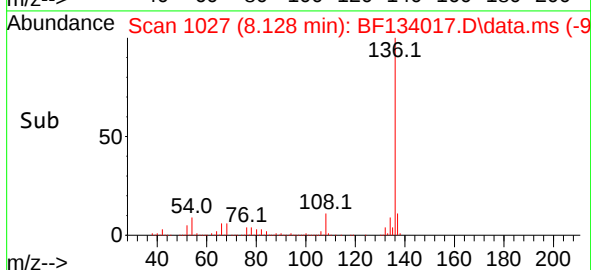
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

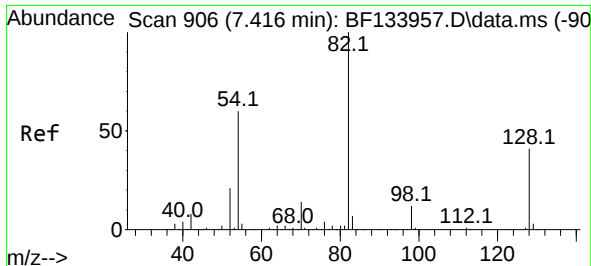


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55



Tgt Ion:136 Resp: 385508
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.1 6.5 9.7
68 5.8 4.2 6.2





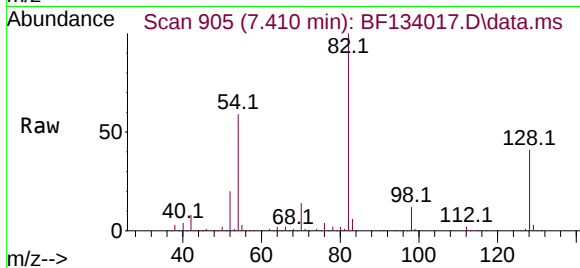
#23
Nitrobenzene-d5
Concen: 46.664 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

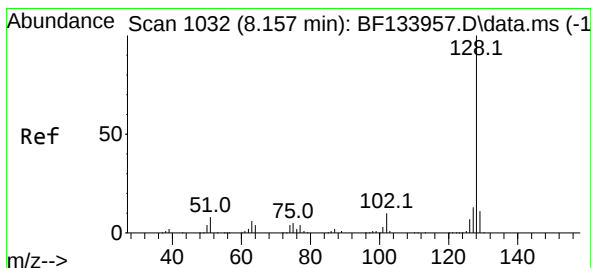
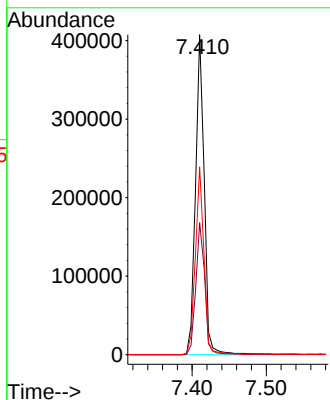
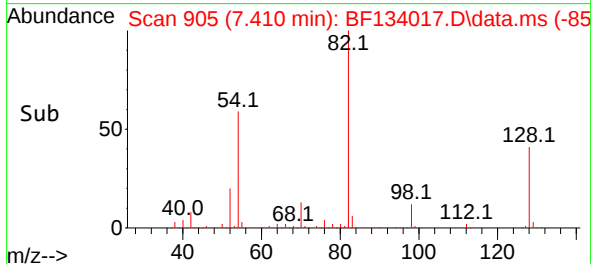


Tgt Ion: 82 Resp: 333719
Ion Ratio Lower Upper
82 100
128 41.2 32.5 48.7
54 58.7 48.2 72.2

Manual Integrations

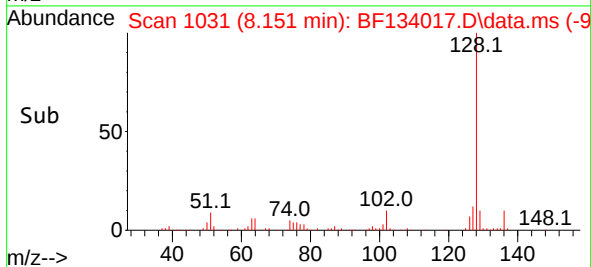
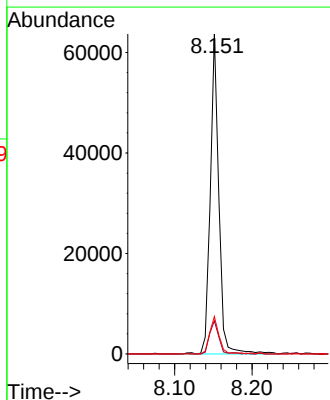
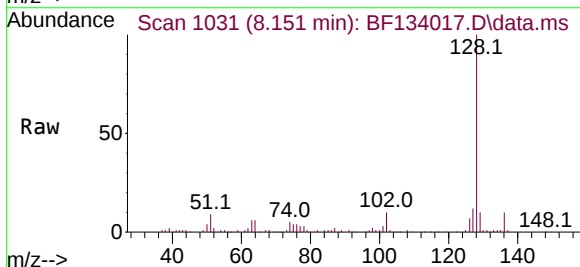
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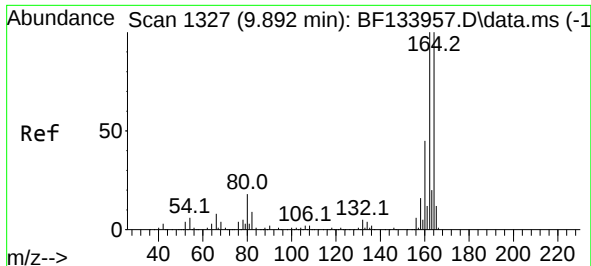
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#31
Naphthalene
Concen: 2.614 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:128 Resp: 48671
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 11.7 10.6 15.8





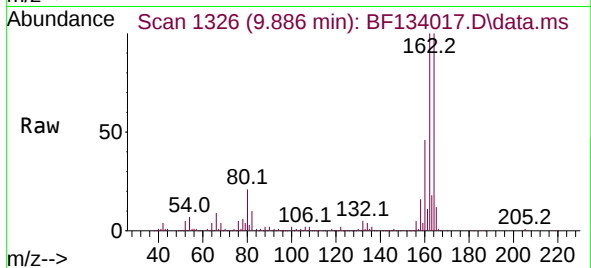
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

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SB-05-COMP

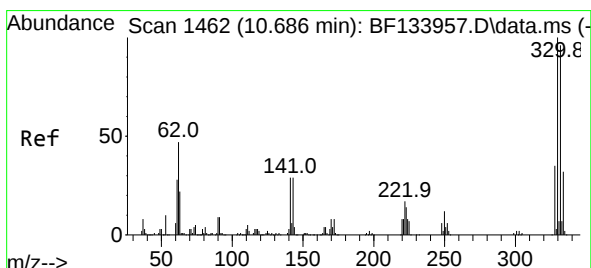
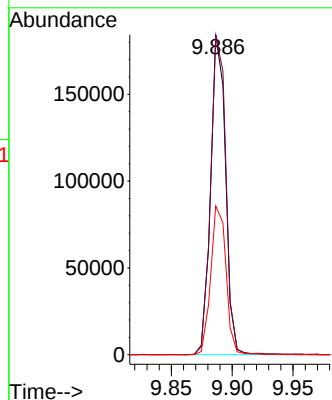
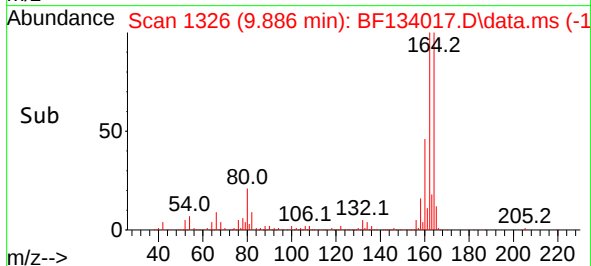


Tgt Ion:164 Resp: 15617
Ion Ratio Lower Upper
164 100
162 99.8 80.0 120.0
160 46.4 35.9 53.9

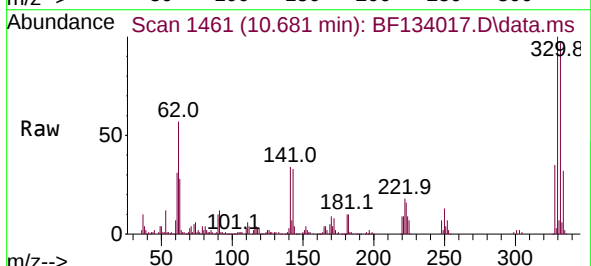
Manual Integrations

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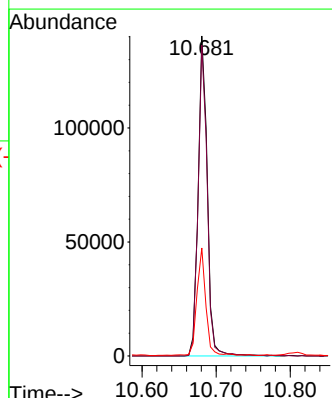
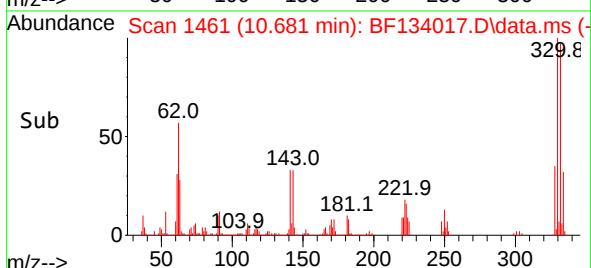
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

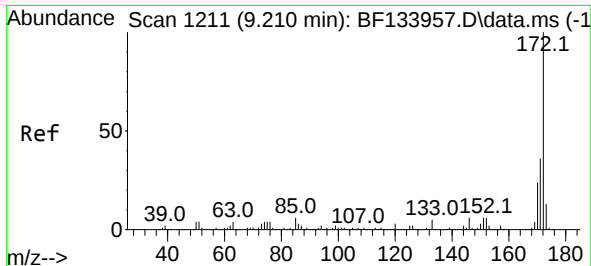


#42
2,4,6-Tribromophenol
Concen: 61.247 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55



Tgt Ion:330 Resp: 119931
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 33.2 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 59.027 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

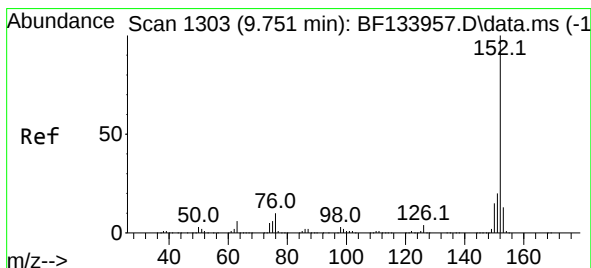
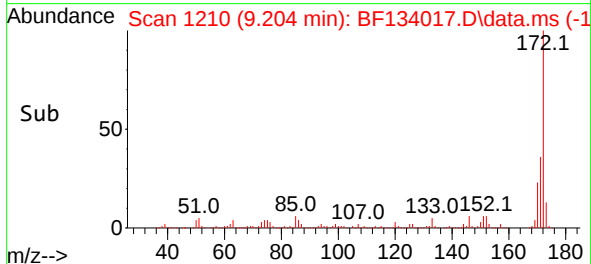
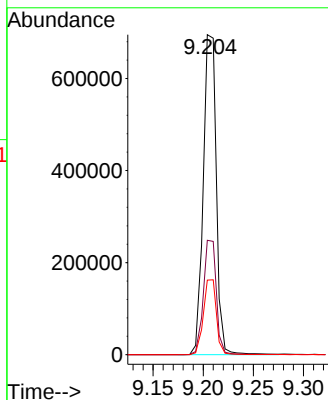
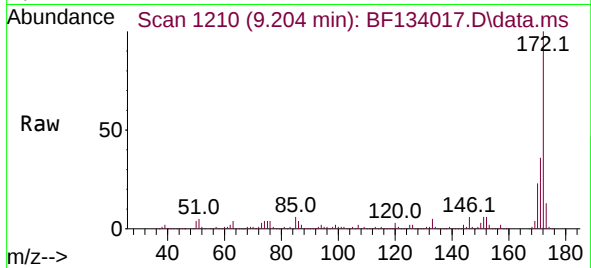
SB-05-COMP

Tgt Ion:172 Resp: 634064
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.3 19.4 29.0

Manual Integrations

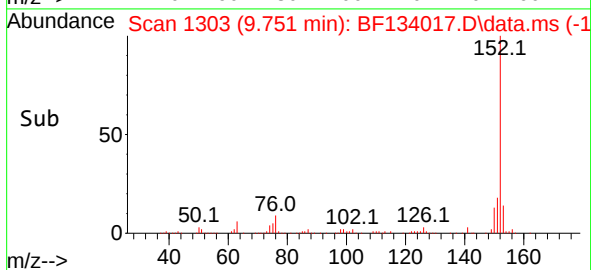
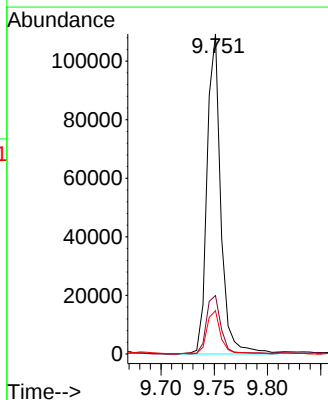
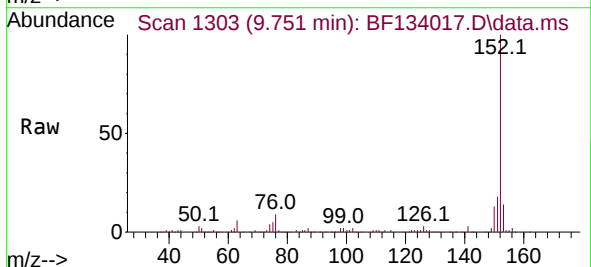
APPROVED

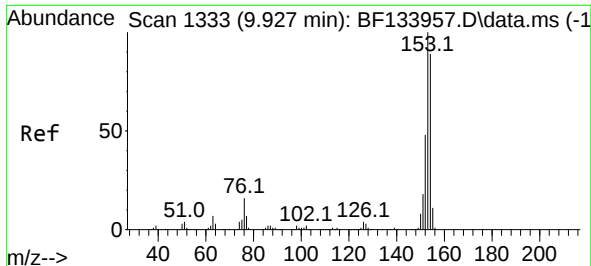
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#49
Acenaphthylene
Concen: 6.287 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:152 Resp: 98447
Ion Ratio Lower Upper
152 100
151 18.2 16.2 24.2
153 13.5 10.8 16.2





#52
Acenaphthene
Concen: 2.478 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

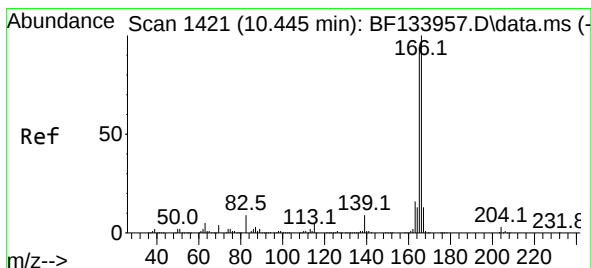
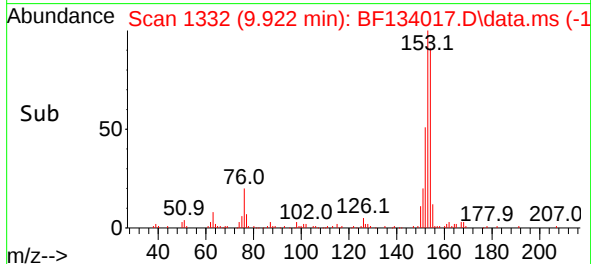
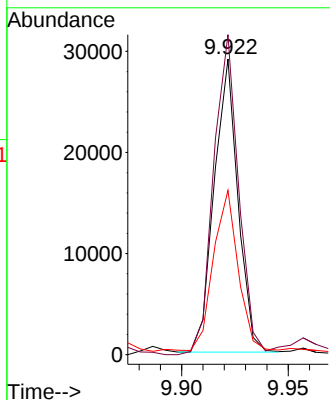
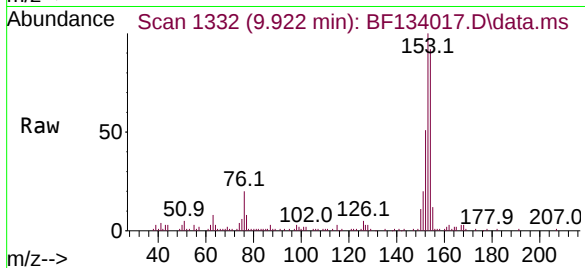
SB-05-COMP

Tgt Ion:154 Resp: 2251
Ion Ratio Lower Upper
154 100
153 108.2 89.4 134.2
152 55.6 42.8 64.2

Manual Integrations

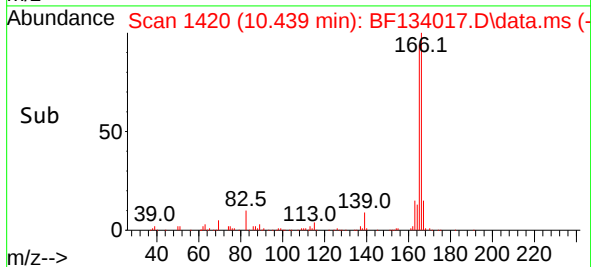
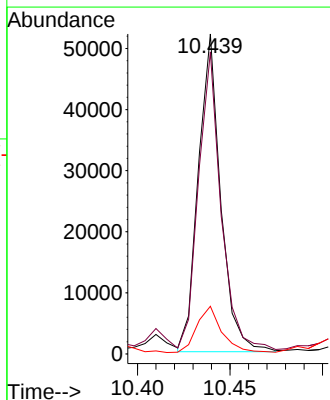
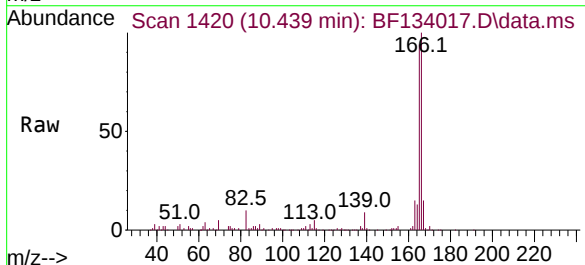
APPROVED

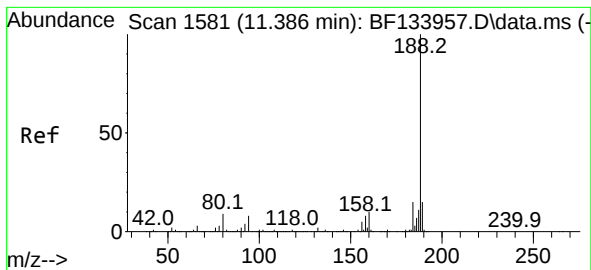
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#58
Fluorene
Concen: 3.965 ng m
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:166 Resp: 43803
Ion Ratio Lower Upper
166 100
165 94.4 75.0 112.4
167 14.9 10.6 15.8





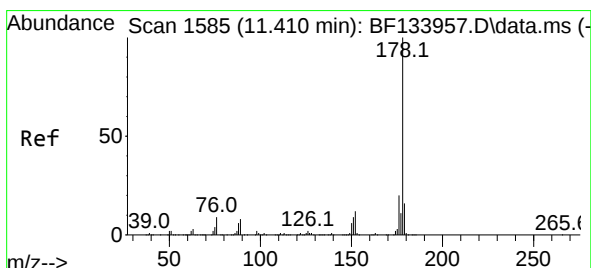
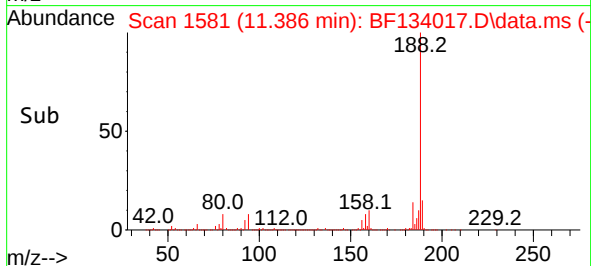
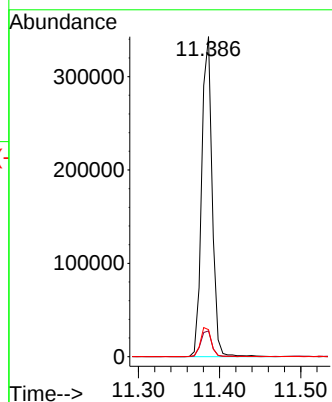
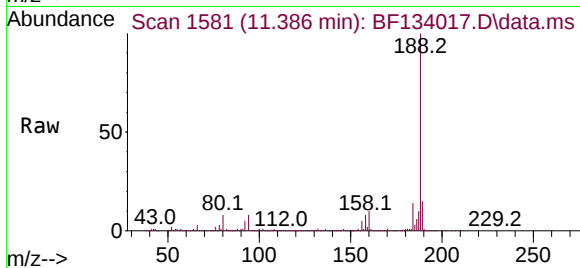
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:188 Resp: 30765
Ion Ratio Lower Upper
188 100
94 8.1 6.4 9.6
80 8.4 7.3 10.9

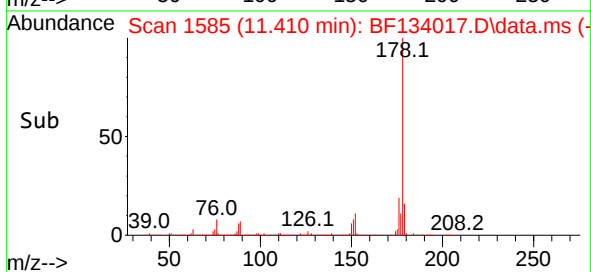
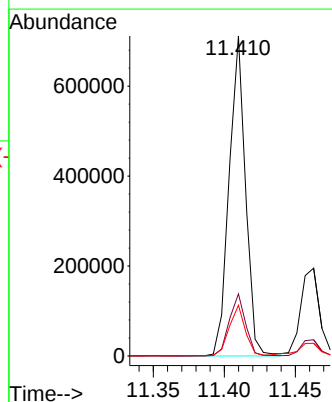
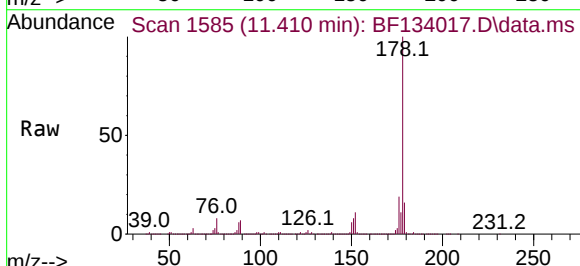
Manual Integrations
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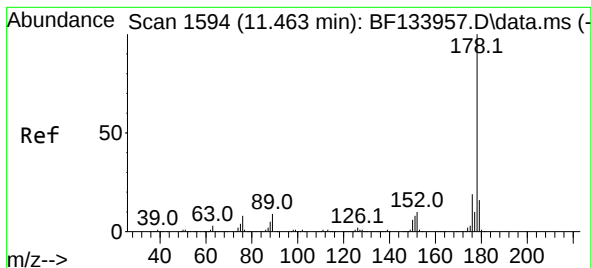
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 36.963 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

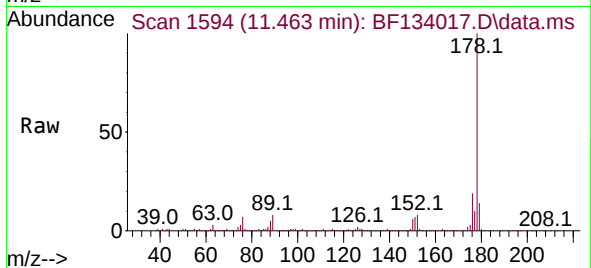
Tgt Ion:178 Resp: 572484
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 12.4 18.6





#72
 Anthracene
 Concen: 10.641 ng
 RT: 11.463 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

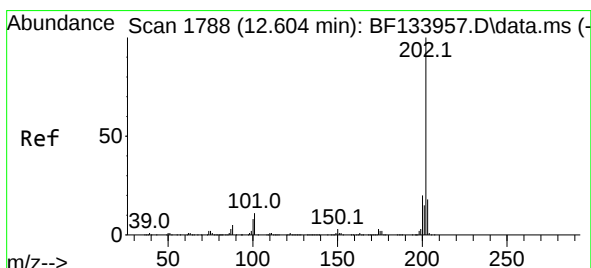
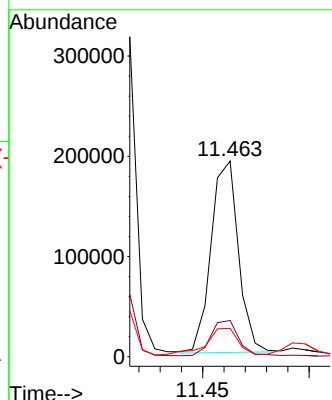
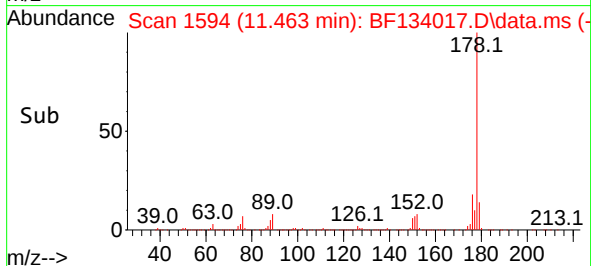
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP



Tgt Ion:178 Resp: 171415
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 14.5 12.4 18.6

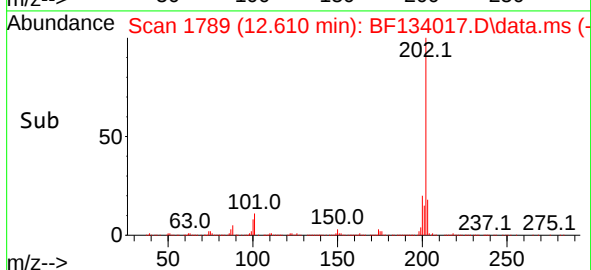
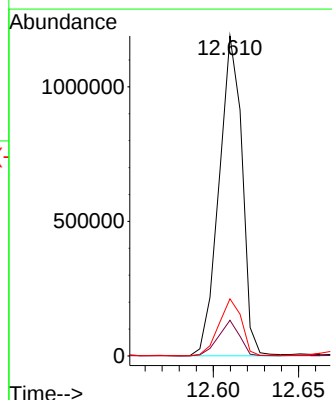
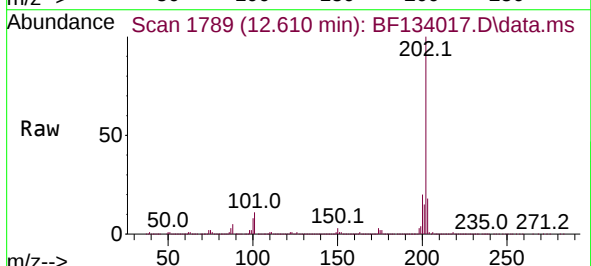
Manual Integrations
 APPROVED

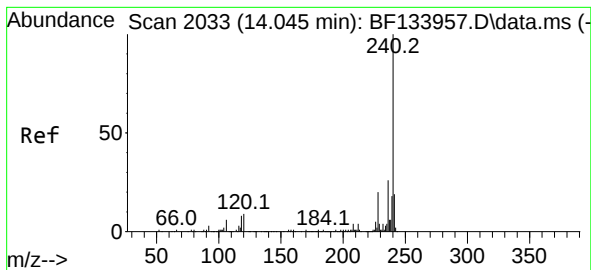
Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#75
 Fluoranthene
 Concen: 66.693 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

Tgt Ion:202 Resp: 1116691
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.0
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

Tgt Ion:240 Resp: 159540

Ion Ratio Lower Upper

240 100

120 11.7 7.4 11.0

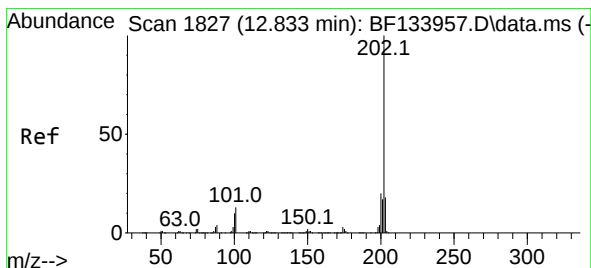
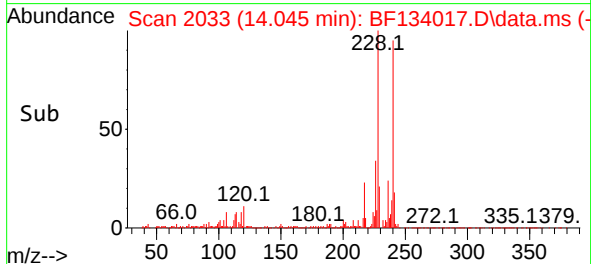
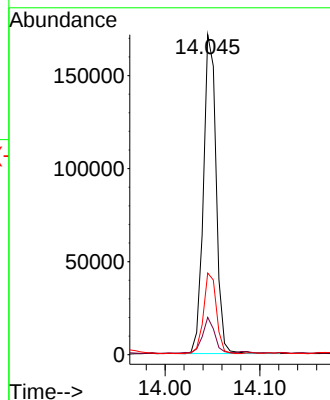
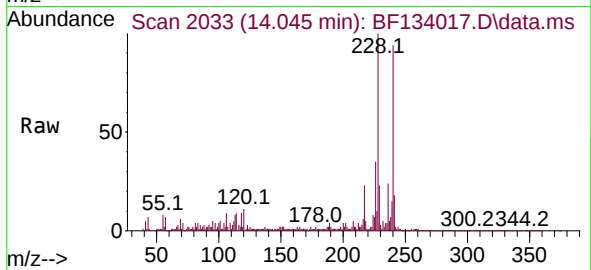
236 25.5 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#78

Pyrene

Concen: 74.171 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

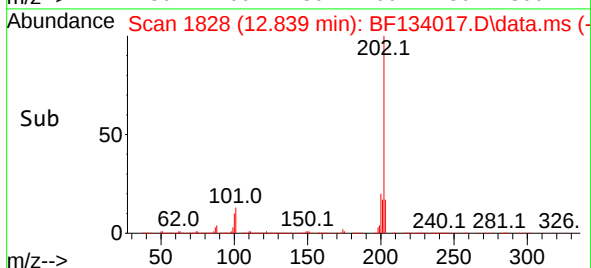
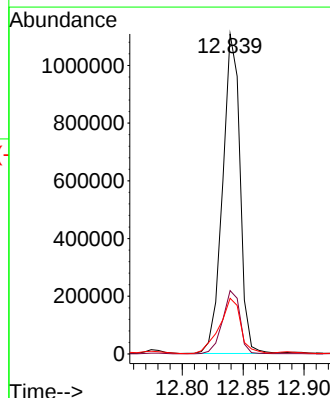
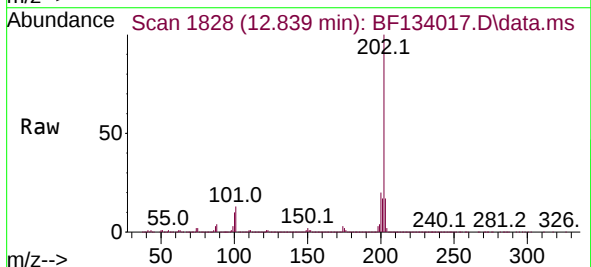
Tgt Ion:202 Resp: 1101278

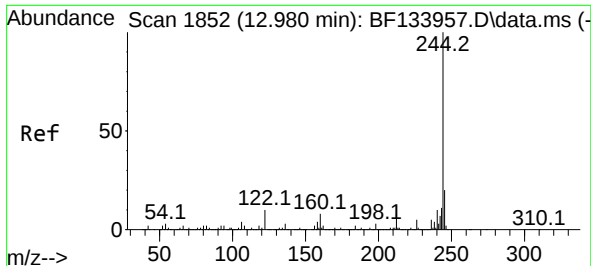
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.4 14.3 21.5





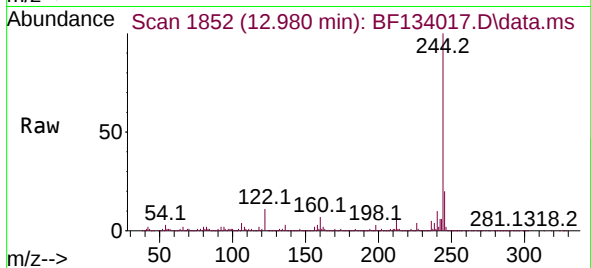
#79
Terphenyl-d14
Concen: 70.662 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

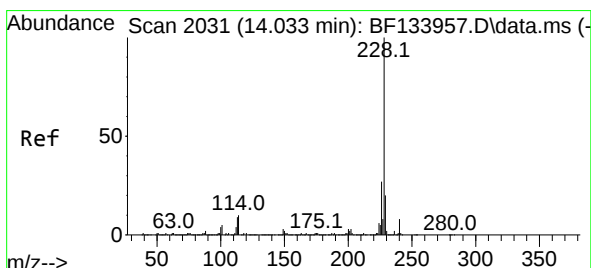
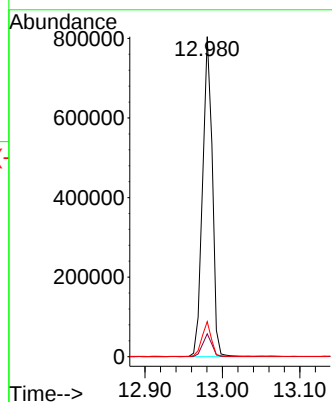
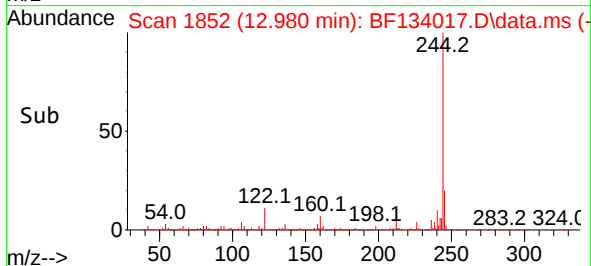


Tgt Ion:244 Resp: 700495
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 11.0 8.3 12.5

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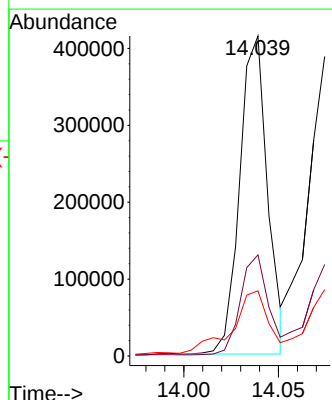
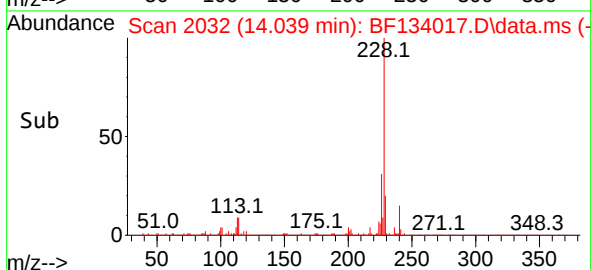
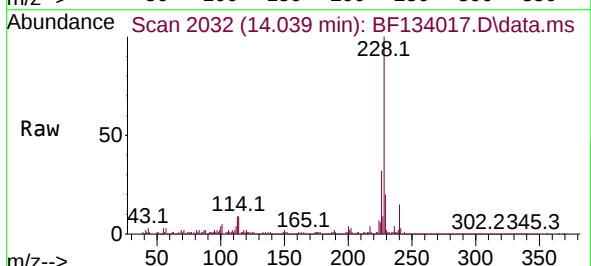
APPROVED

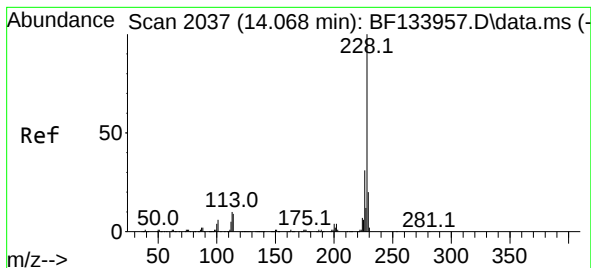
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#81
Benzo(a)anthracene
Concen: 38.243 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:228 Resp: 423152
Ion Ratio Lower Upper
228 100
226 31.6 22.0 33.0
229 20.3 16.3 24.5





#83

Chrysene

Concen: 34.751 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

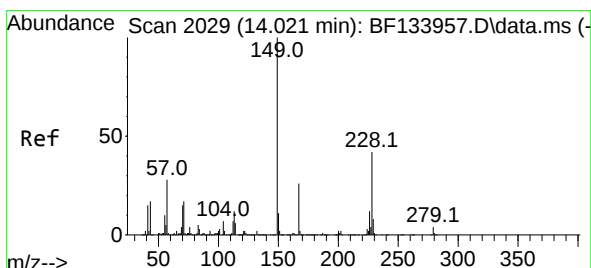
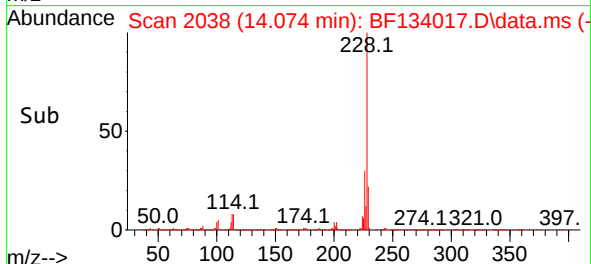
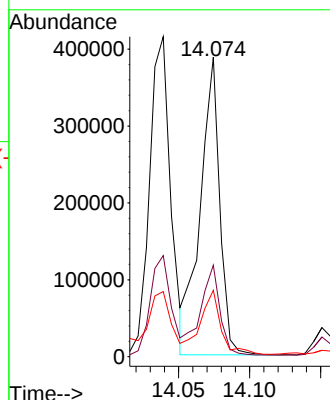
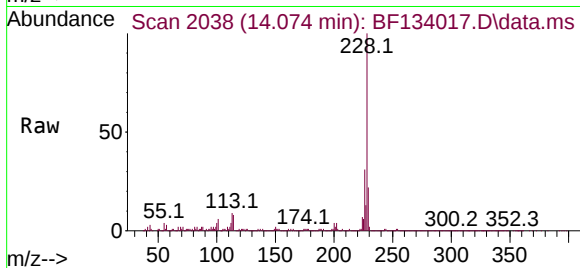
Tgt Ion:228 Resp: 372424
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.4 36.6
 229 22.2 16.1 24.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.959 ng

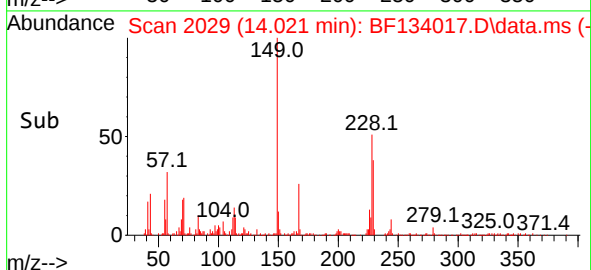
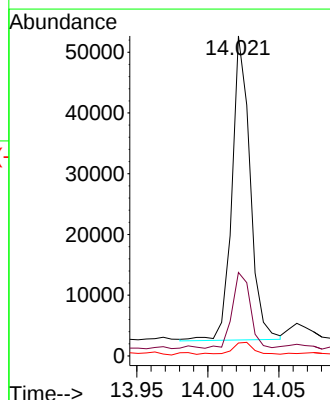
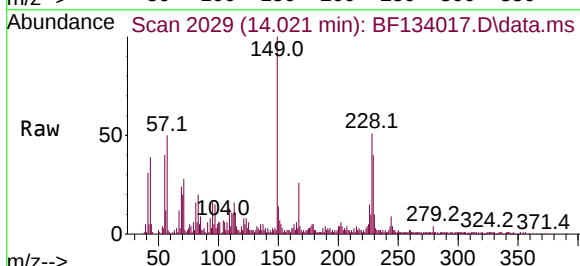
RT: 14.021 min Scan# 2029

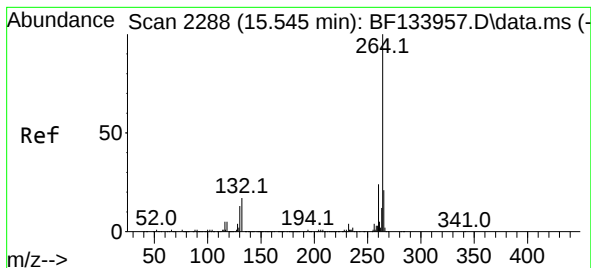
Delta R.T. 0.000 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Tgt Ion:149 Resp: 44528
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.0 31.4
 279 4.0 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

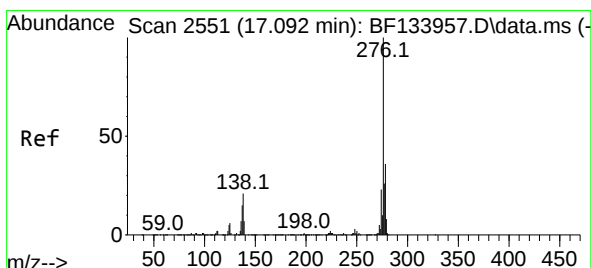
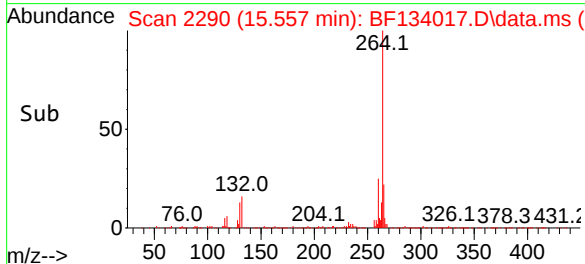
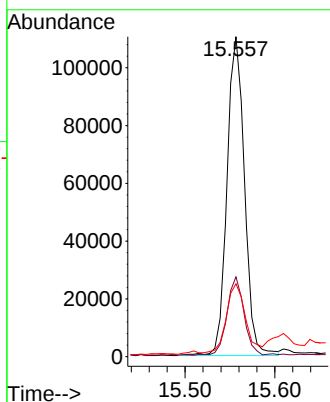
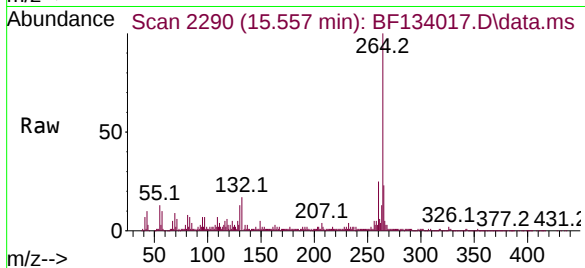
SB-05-COMP

Tgt Ion:264 Resp: 149808
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.8 16.6 25.0

Manual Integrations

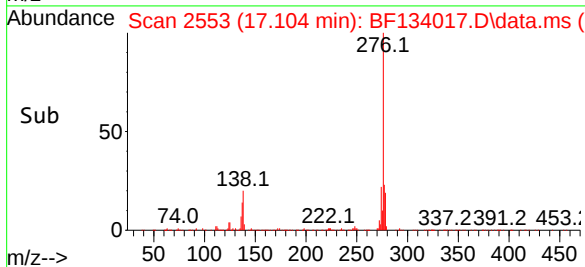
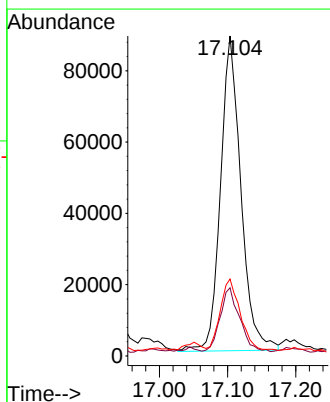
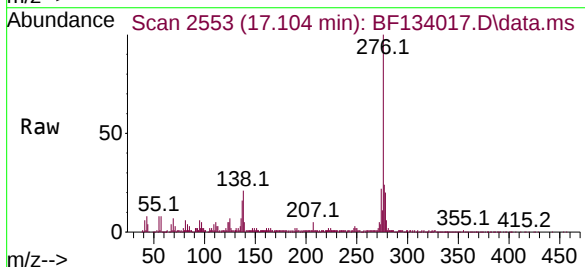
APPROVED

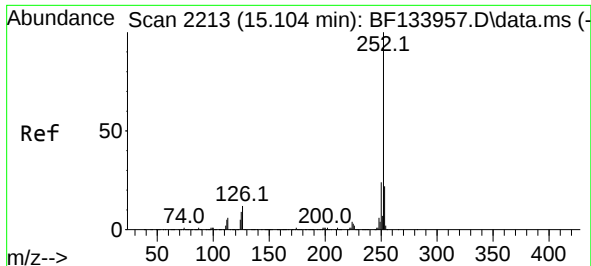
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.713 ng
RT: 17.104 min Scan# 2553
Delta R.T. 0.012 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

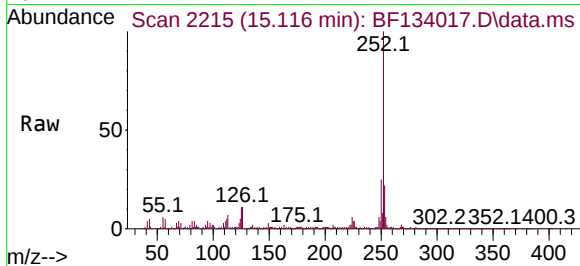
Tgt Ion:276 Resp: 184130
Ion Ratio Lower Upper
276 100
138 19.3 18.7 28.1
277 22.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 42.238 ng m
RT: 15.116 min Scan# 2119
Delta R.T. 0.012 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

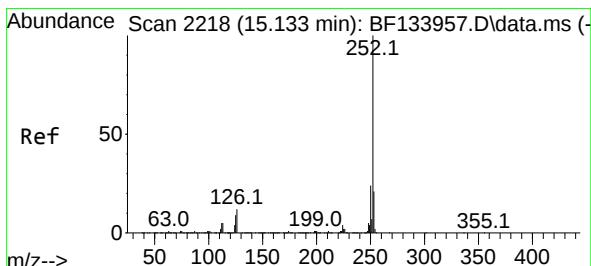
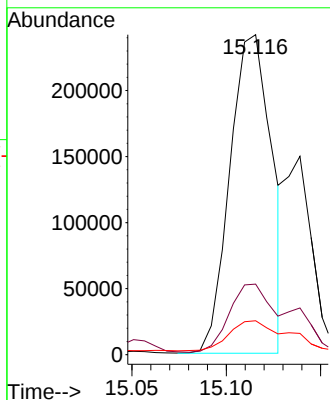
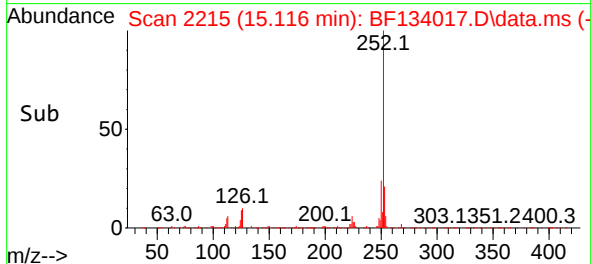
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP



Tgt Ion:252 Resp: 37206
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.6 7.1 10.7

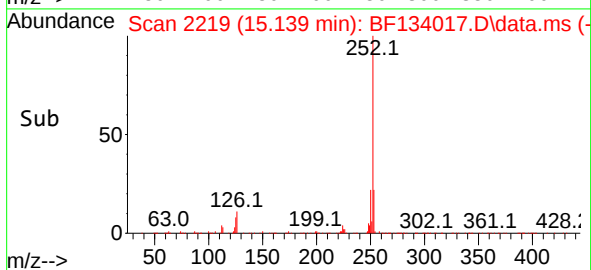
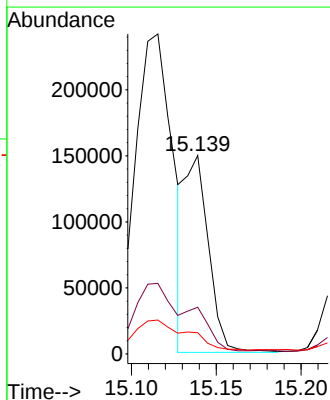
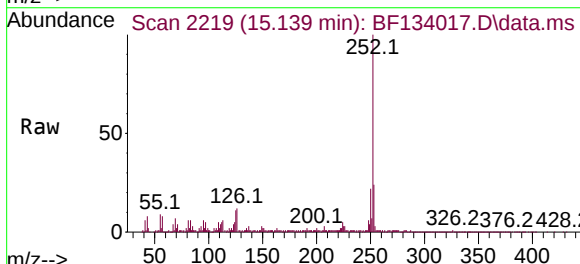
Manual Integrations
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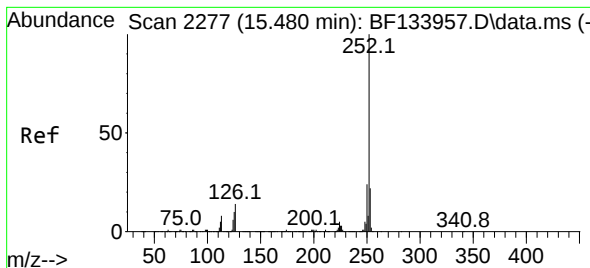
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 16.113 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:252 Resp: 144516
Ion Ratio Lower Upper
252 100
253 23.5 16.9 25.3
125 10.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 33.680 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

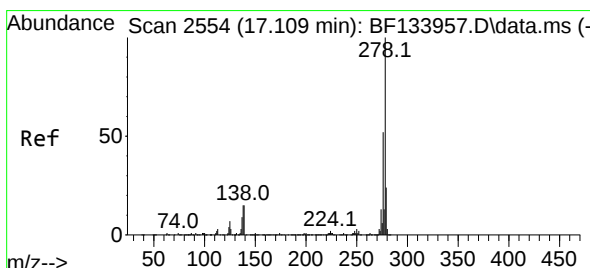
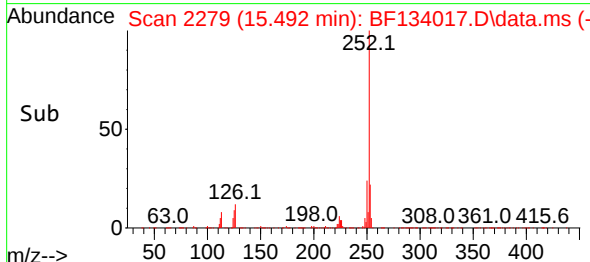
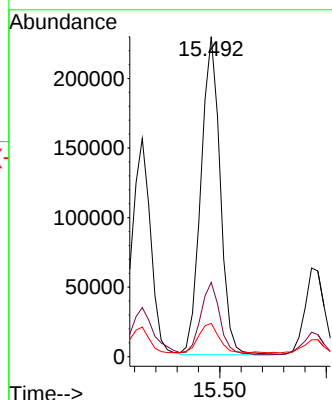
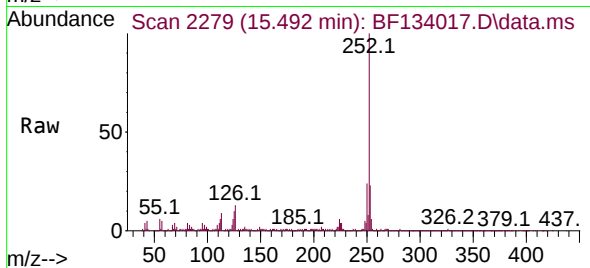
SB-05-COMP

Tgt Ion:252 Resp: 28688
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.0
 125 10.4 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.533 ng m

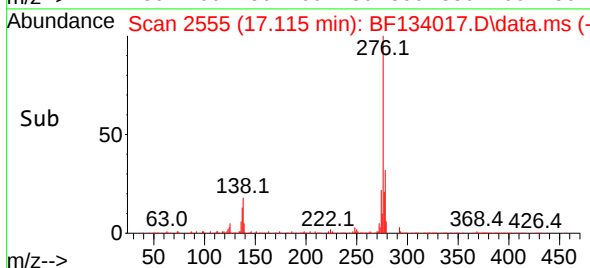
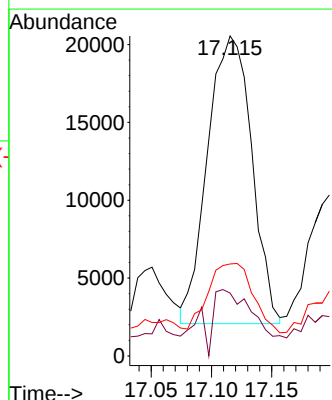
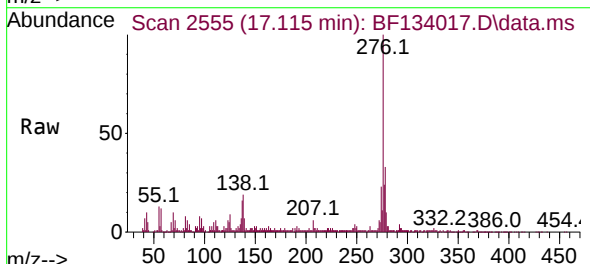
RT: 17.115 min Scan# 2555

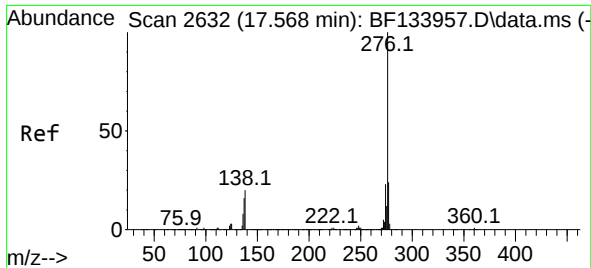
Delta R.T. 0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Tgt Ion:278 Resp: 46977
 Ion Ratio Lower Upper
 278 100
 139 19.7 12.2 18.4#
 279 28.7 19.4 29.2





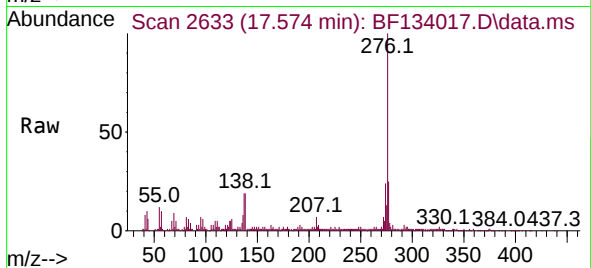
#92
Benzo(g,h,i)perylene
Concen: 16.831 ng
RT: 17.574 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP



Tgt Ion:276 Resp: 147372
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.6
138 19.1 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023

