

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133811.D
 Acq On : 16 Jun 2023 17:30
 Operator : CG\JU
 Sample : 03222-19 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-16

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 16 18:06:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78650	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	325616	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	155612	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	267363	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151379	20.000	ng	0.00
86) Perylene-d12	15.562	264	114477	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	234277	51.857	ng	0.00
7) Phenol-d6	6.487	99	256189	43.565	ng	-0.01
23) Nitrobenzene-d5	7.422	82	163793	27.398	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	72904	37.011	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	359679	32.857	ng	0.00
79) Terphenyl-d14	12.986	244	300887	30.756	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.163	128	105254	6.635	ng	98
37) 2-Methylnaphthalene	8.851	142	36961	3.353	ng	100
38) 1-Methylnaphthalene	8.951	142	27051	2.667	ng	97
71) Phenanthrene	11.416	178	140464	10.355	ng	99
72) Anthracene	11.463	178	45778	3.237	ng	96
75) Fluoranthene	12.610	202	242097	16.807	ng	98
78) Pyrene	12.845	202	223356	15.839	ng	98
80) Butylbenzylphthalate	13.468	149	52310	8.787	ng	95
81) Benzo(a)anthracene	14.039	228	101545	9.698	ng	94
83) Chrysene	14.074	228	84998	8.583	ng	95
84) Bis(2-ethylhexyl)phtha...	14.033	149	165617	22.594	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	38333	4.867	ng	95
88) Benzo(b)fluoranthene	15.115	252	95802m	13.777	ng	
89) Benzo(k)fluoranthene	15.139	252	26513m	3.914	ng	
90) Benzo(a)pyrene	15.498	252	61198	9.482	ng	96
92) Benzo(g,h,i)perylene	17.580	276	36926	5.712	ng	95

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

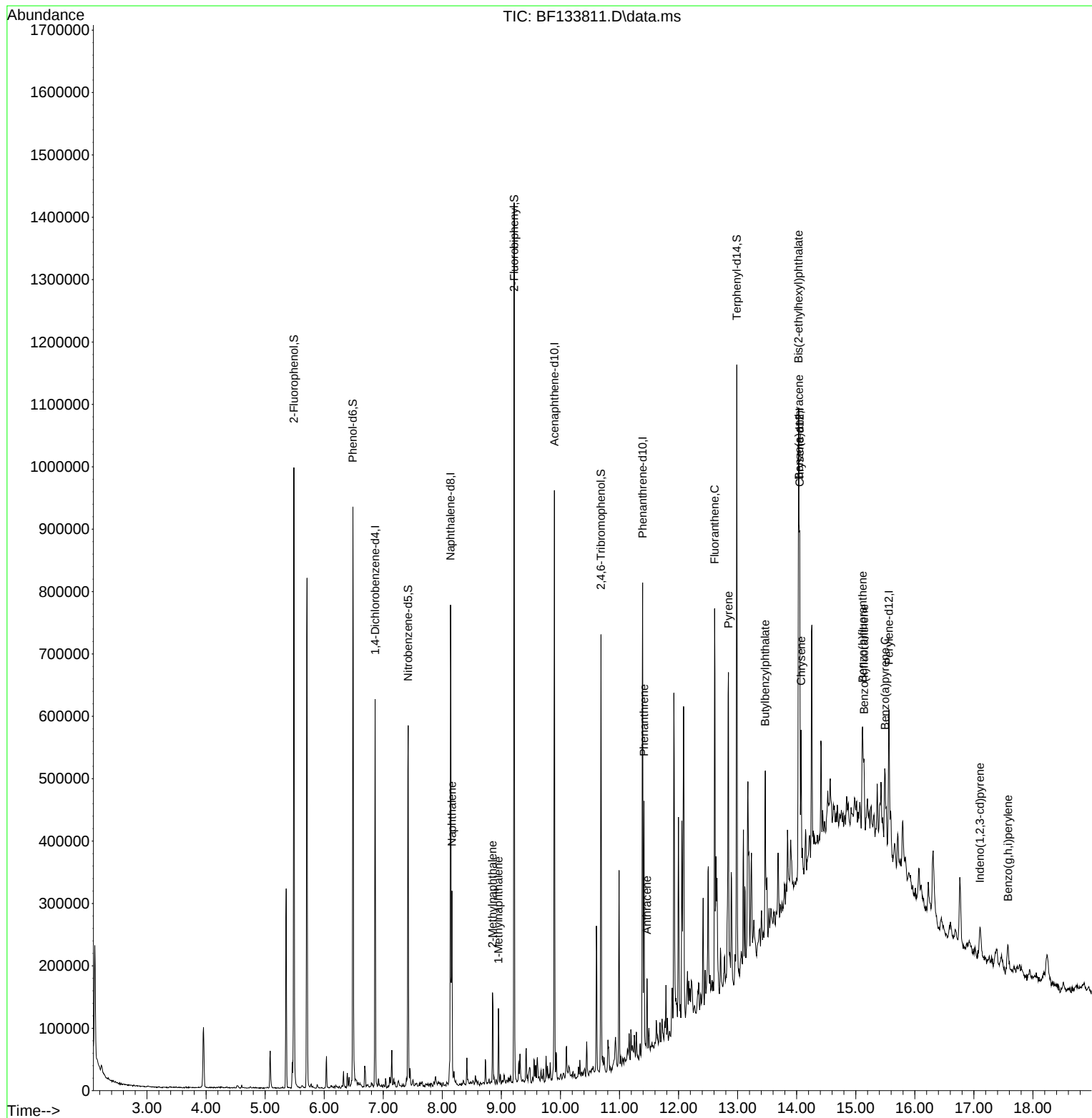
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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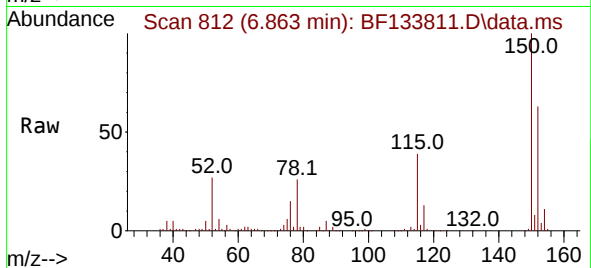
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

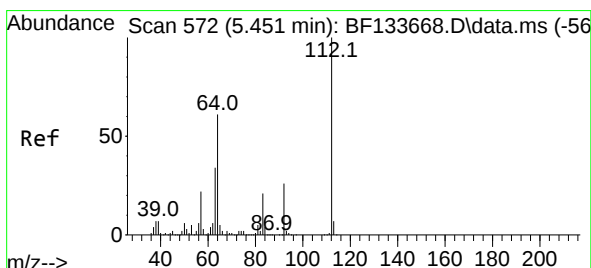
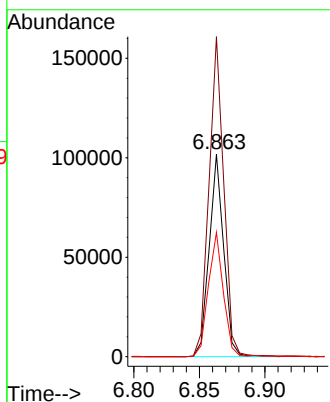
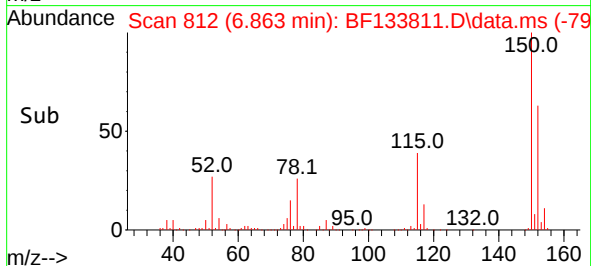
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:152 Resp: 78650
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 61.3 48.5 72.7

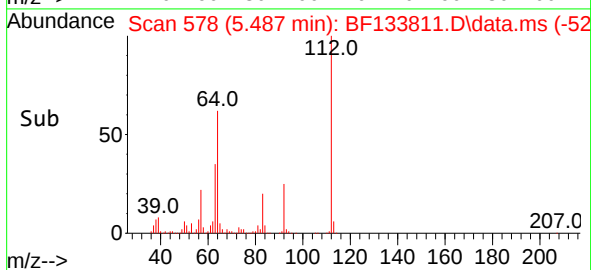
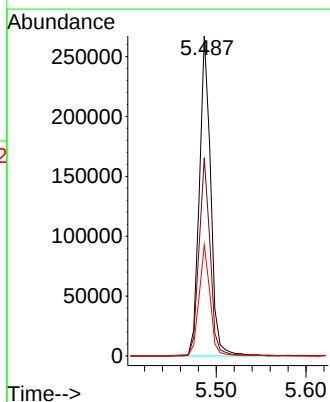
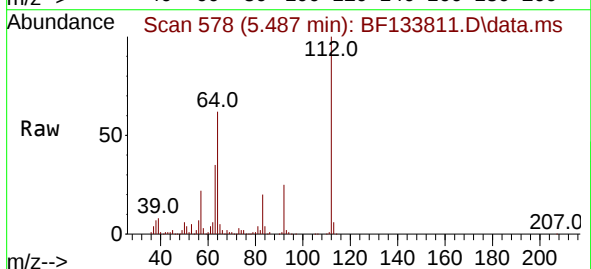
Manual Integrations
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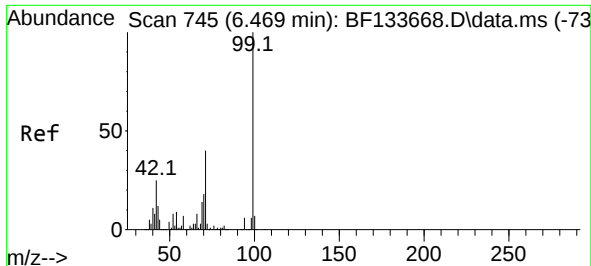
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 51.857 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

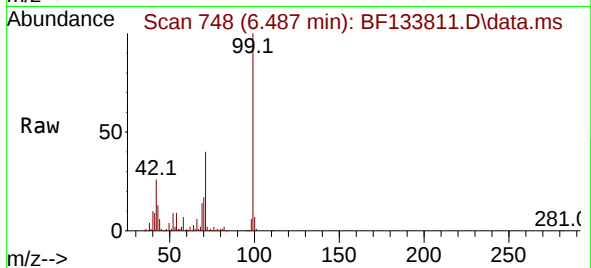
Tgt Ion:112 Resp: 234277
Ion Ratio Lower Upper
112 100
64 61.9 49.0 73.4
63 34.7 26.8 40.2





#7
Phenol-d6
Concen: 43.565 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

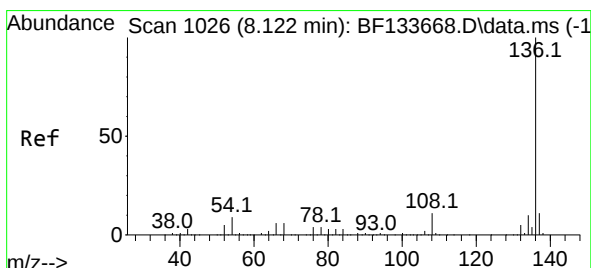
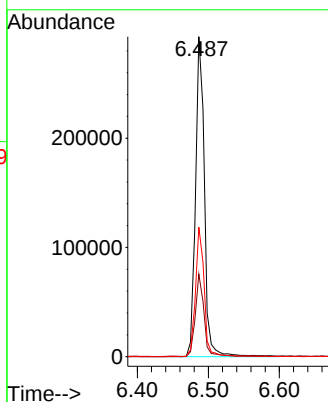
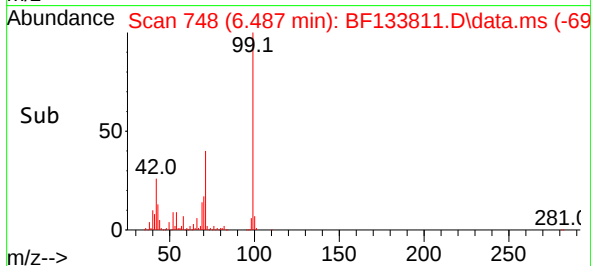
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion: 99 Resp: 256189
Ion Ratio Lower Upper
99 100
42 25.8 19.9 29.9
71 40.5 32.2 48.4

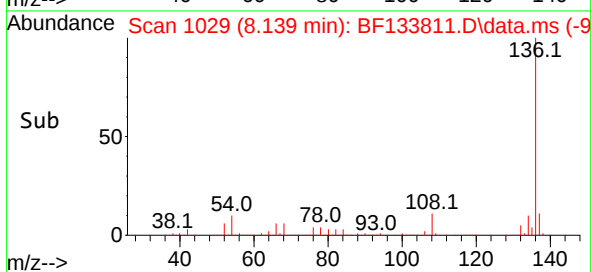
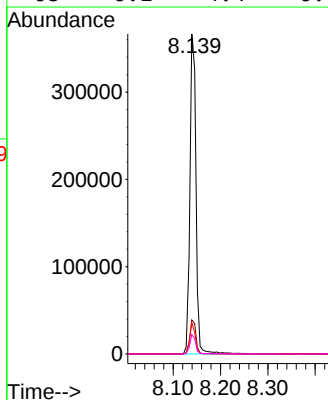
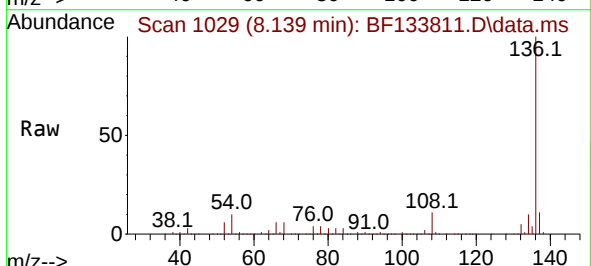
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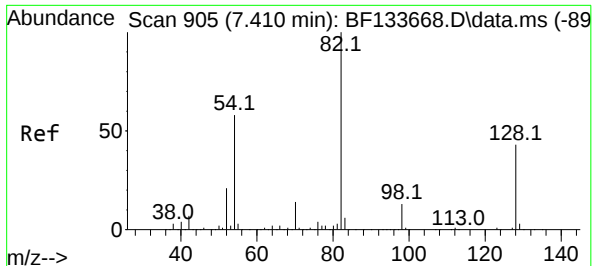
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:136 Resp: 325616
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.7 7.4 11.0
68 6.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 27.398 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

Tgt Ion: 82 Resp: 16379

Ion Ratio Lower Upper

82 100

128 44.9 34.2 51.2

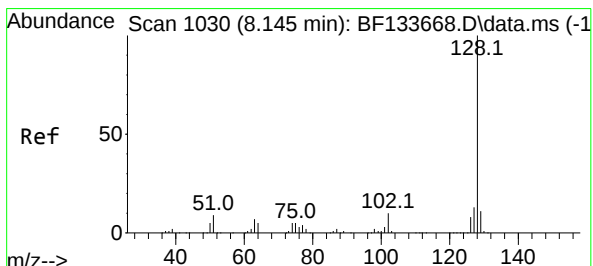
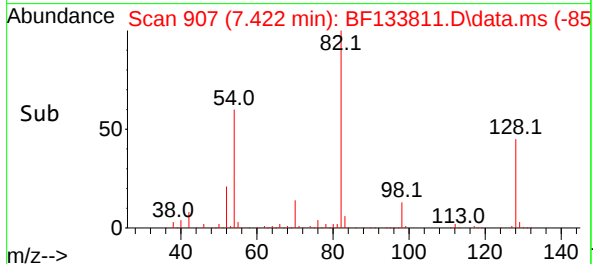
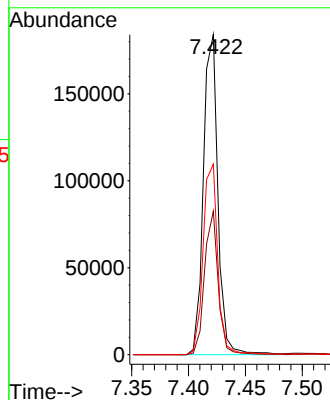
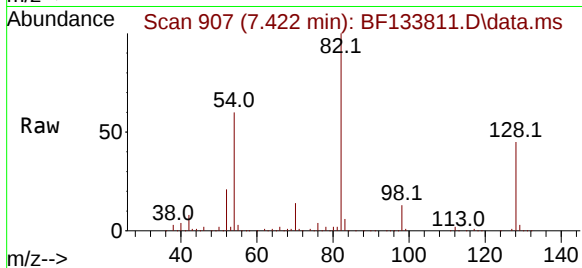
54 59.5 46.5 69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/20/2023



#31

Naphthalene

Concen: 6.635 ng

RT: 8.163 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

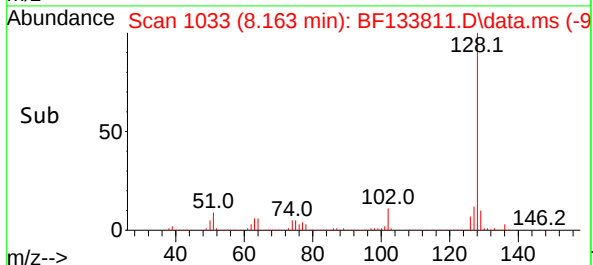
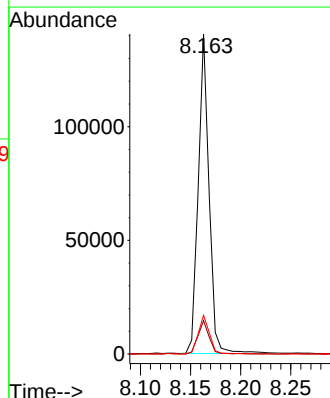
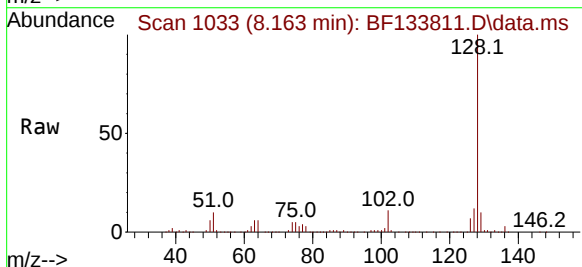
Tgt Ion:128 Resp: 105254

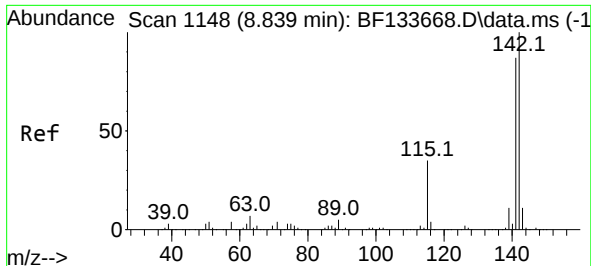
Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

127 12.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 3.353 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

Tgt Ion:142 Resp: 3696

Ion Ratio Lower Upper

142 100

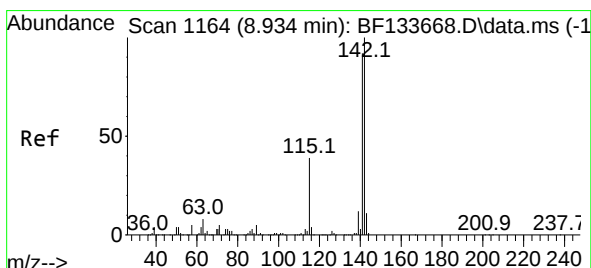
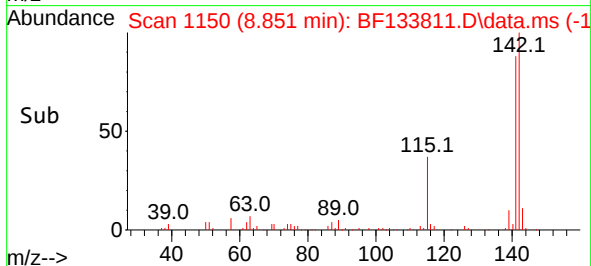
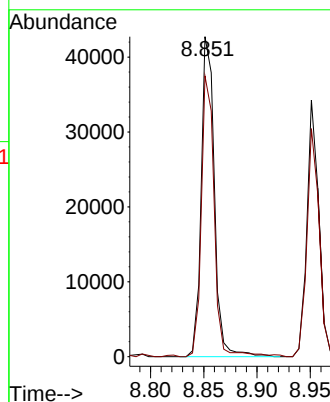
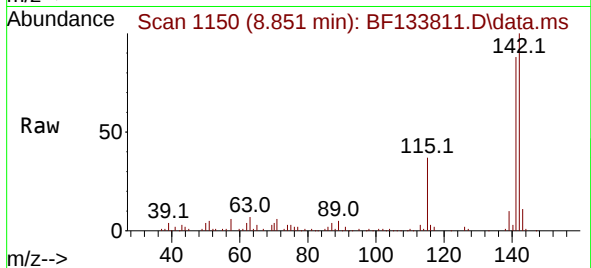
141 87.7 69.8 104.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#38

1-Methylnaphthalene

Concen: 2.667 ng

RT: 8.951 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF133811.D

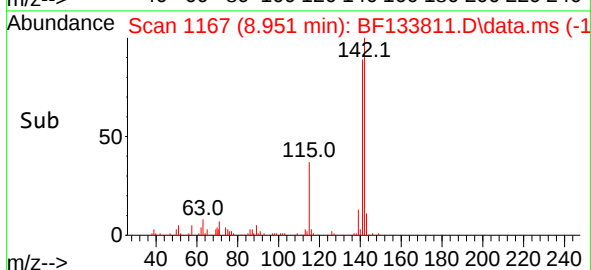
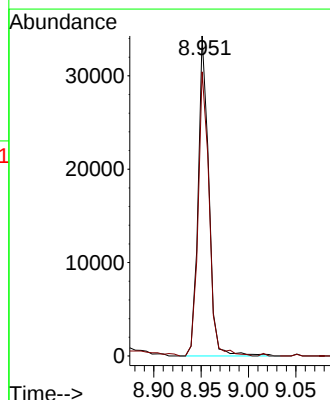
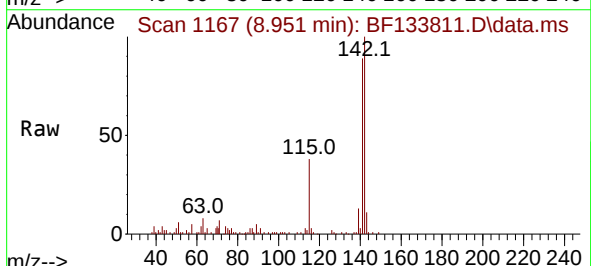
Acq: 16 Jun 2023 17:30

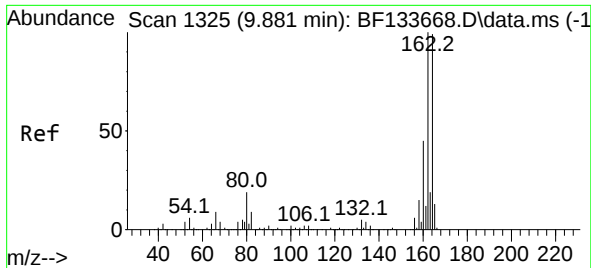
Tgt Ion:142 Resp: 27051

Ion Ratio Lower Upper

142 100

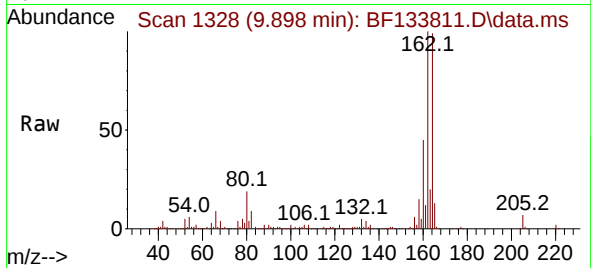
141 88.8 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

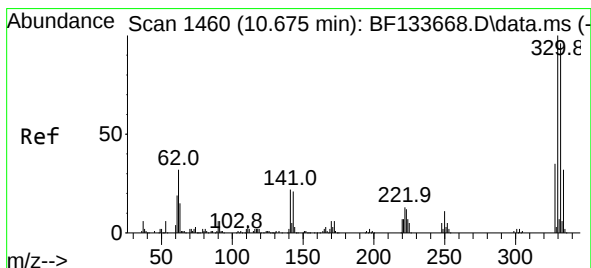
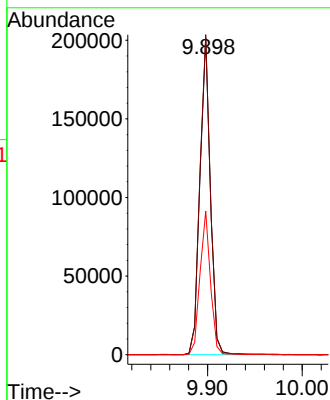
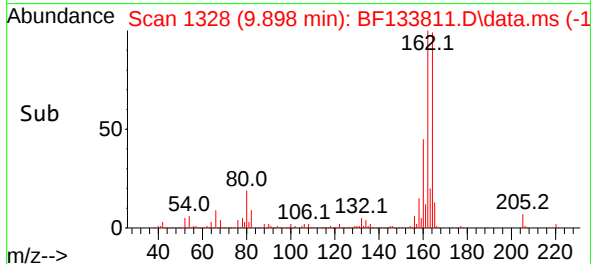
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



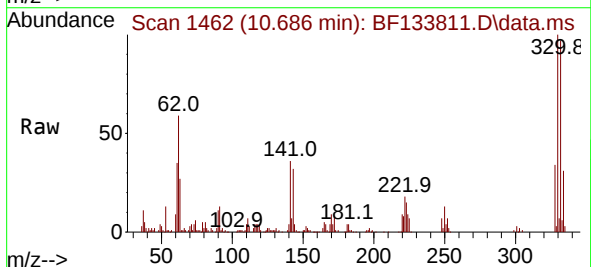
Tgt Ion:164 Resp: 15561
Ion Ratio Lower Upper
164 100
162 100.9 80.8 121.2
160 45.3 36.7 55.1

Manual Integrations
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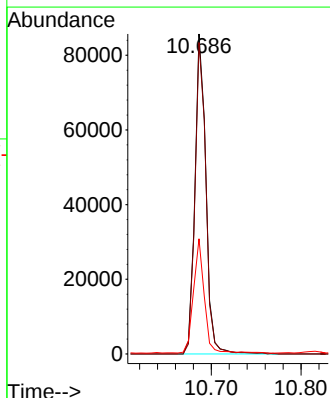
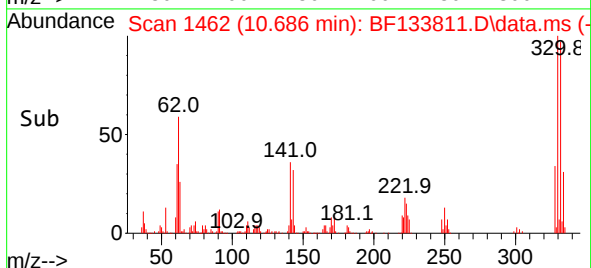
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

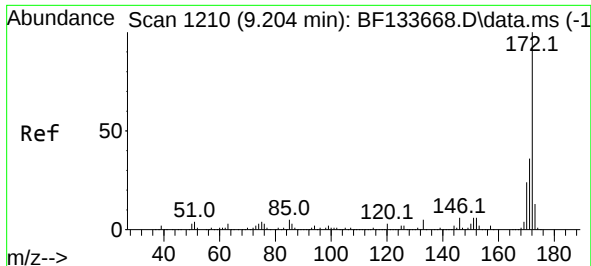


#42
2,4,6-Tribromophenol
Concen: 37.011 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30



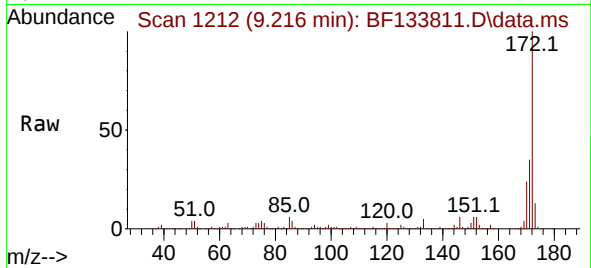
Tgt Ion:330 Resp: 72904
Ion Ratio Lower Upper
330 100
332 97.4 77.2 115.8
141 35.3 24.9 37.3





#45
2-Fluorobiphenyl
Concen: 32.857 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

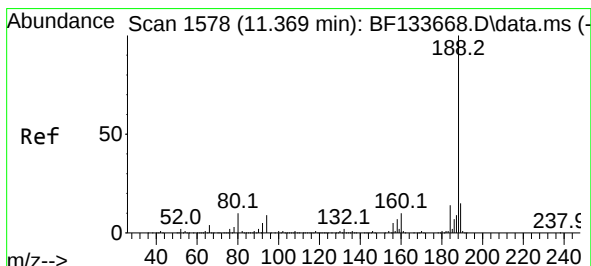
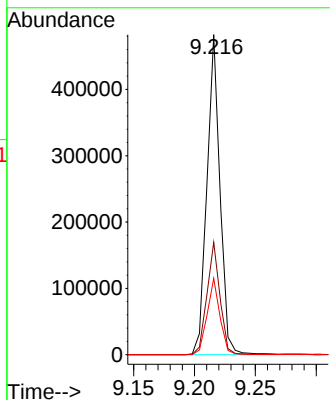
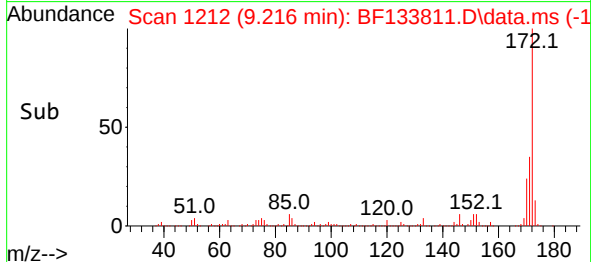
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:172 Resp: 359679
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.9 19.1 28.7

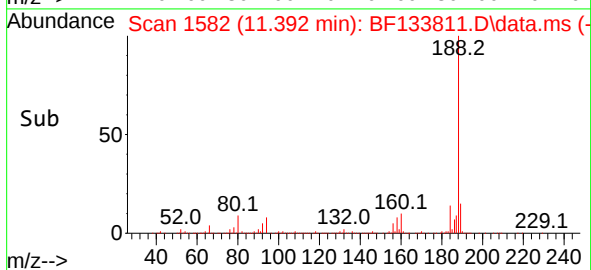
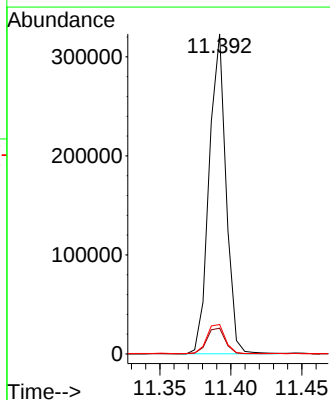
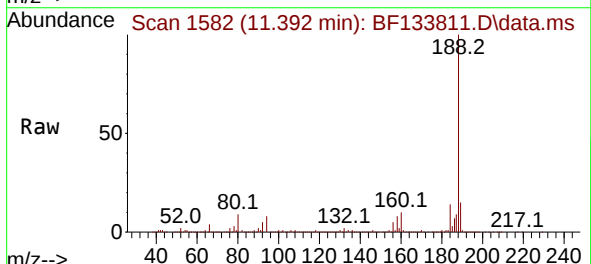
Manual Integrations
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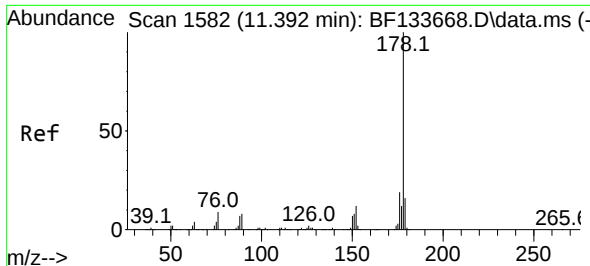
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:188 Resp: 267363
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.2 7.8 11.6





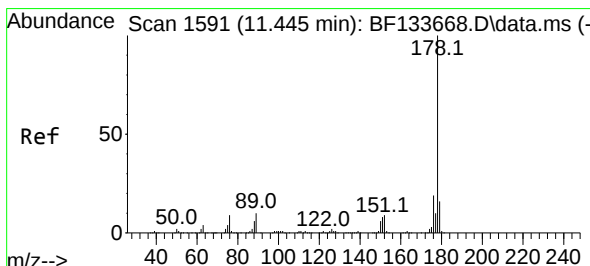
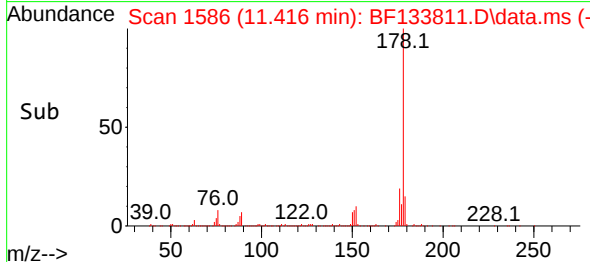
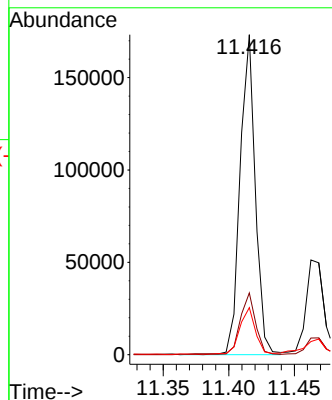
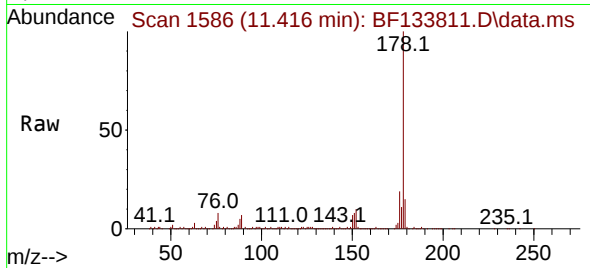
#71
Phenanthrene
Concen: 10.355 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

Tgt Ion:178 Resp: 140464
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.7 12.4 18.6

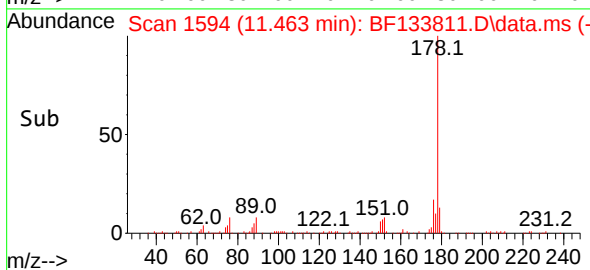
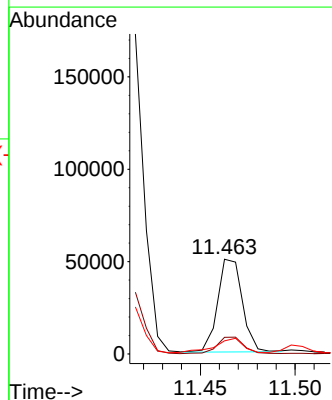
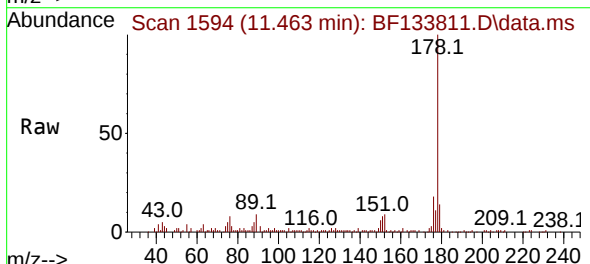
Manual Integrations
APPROVED

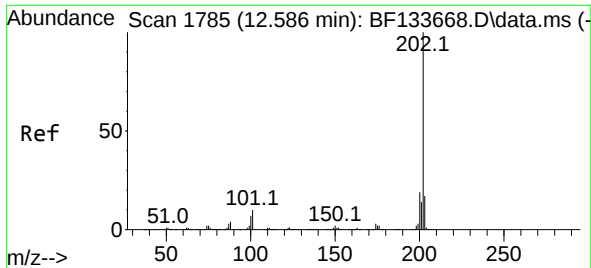
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#72
Anthracene
Concen: 3.237 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

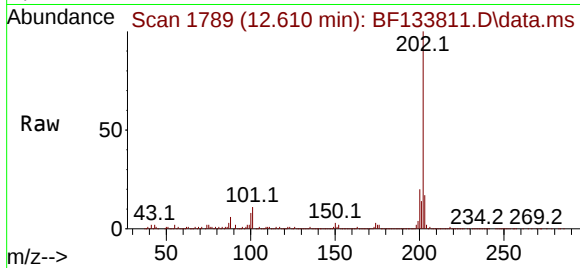
Tgt Ion:178 Resp: 45778
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 13.9 12.6 18.8





#75
Fluoranthene
Concen: 16.807 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

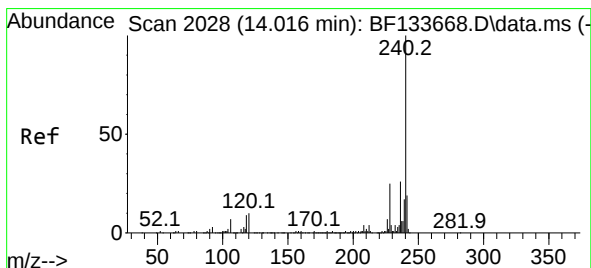
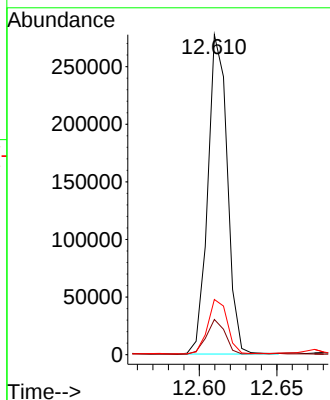
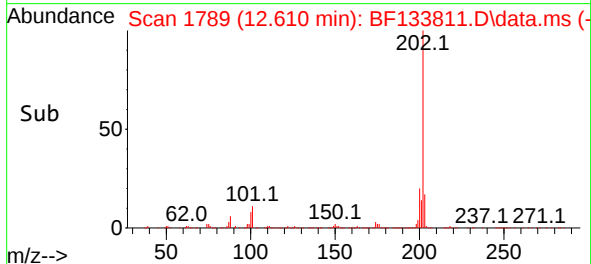
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:202 Resp: 24209
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 17.3 0.0 37.4

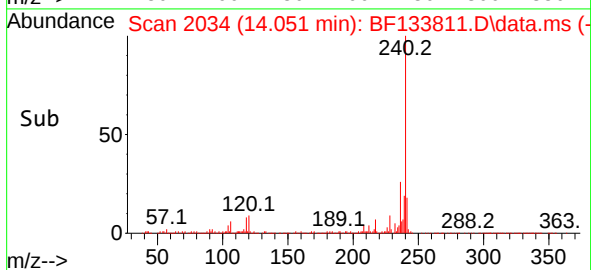
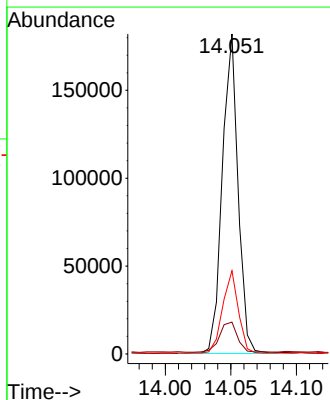
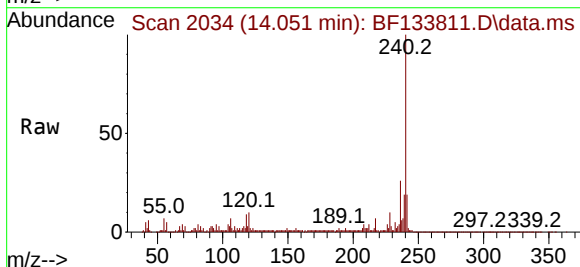
Manual Integrations
APPROVED

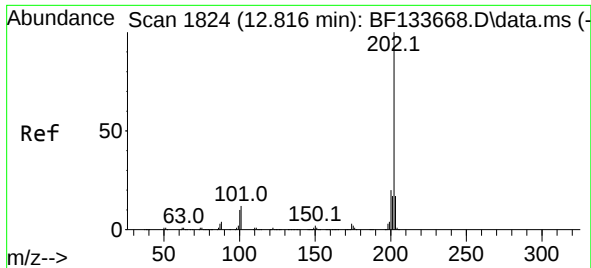
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

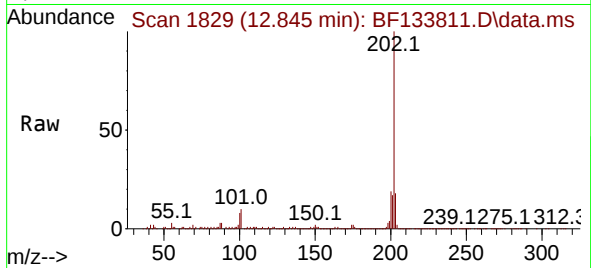
Tgt Ion:240 Resp: 151379
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.0 20.5 30.7





#78
Pyrene
Concen: 15.839 ng
RT: 12.845 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

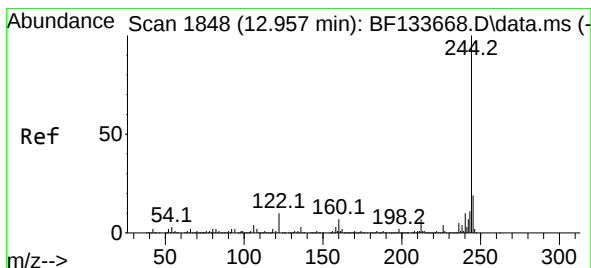
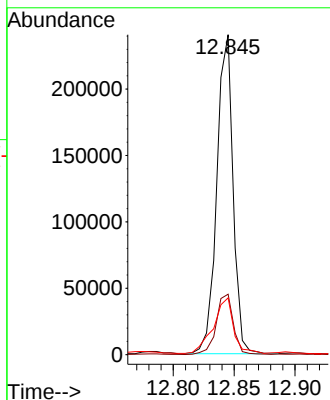
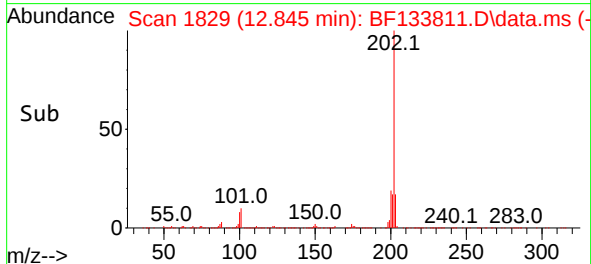
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:202 Resp: 223350
Ion Ratio Lower Upper
202 100
200 18.9 16.2 24.2
203 17.7 13.9 20.9

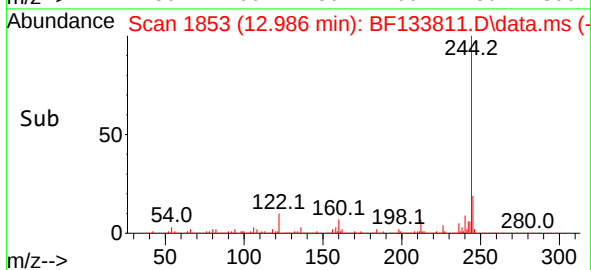
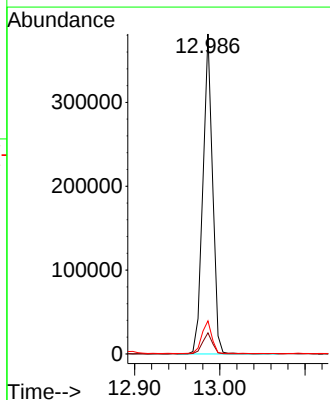
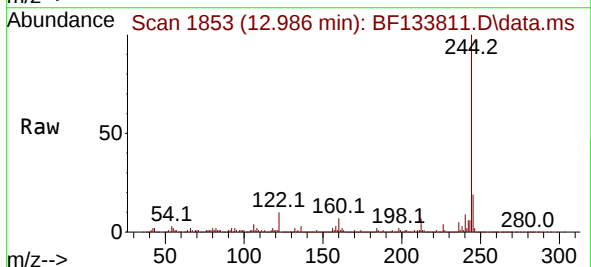
Manual Integrations
APPROVED

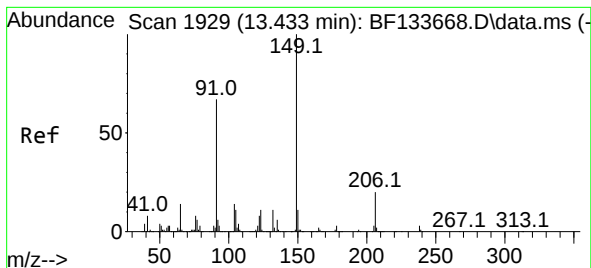
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#79
Terphenyl-d14
Concen: 30.756 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:244 Resp: 300887
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.4 8.1 12.1





#80
Butylbenzylphthalate
Concen: 8.787 ng
RT: 13.468 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

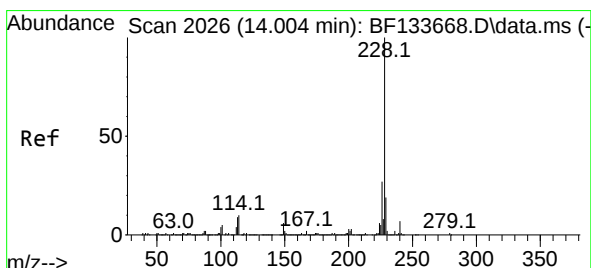
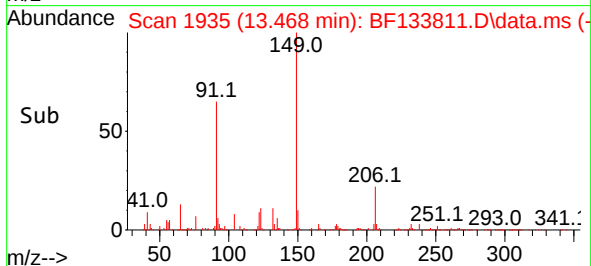
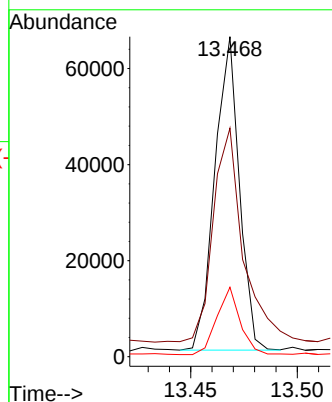
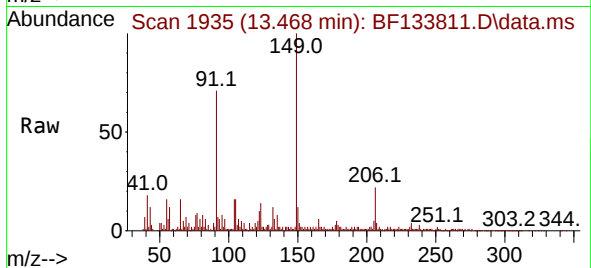
COMPOSIT-SB-16

Tgt Ion:149 Resp: 52310
Ion Ratio Lower Upper
149 100
91 71.4 54.0 81.0
206 21.7 15.6 23.4

Manual Integrations

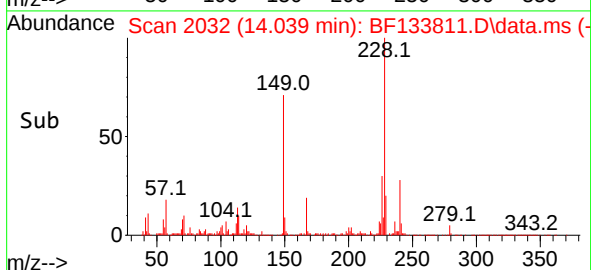
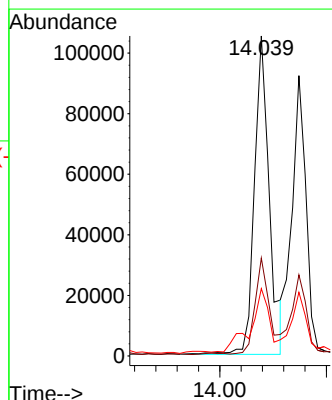
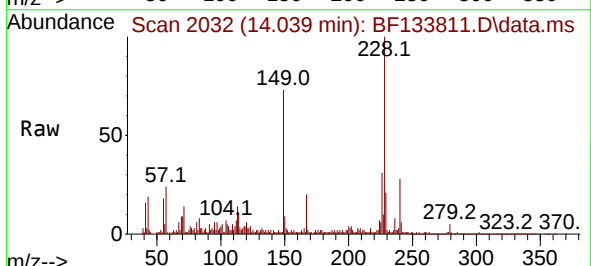
APPROVED

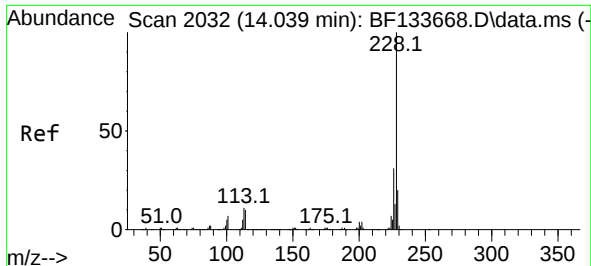
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#81
Benzo(a)anthracene
Concen: 9.698 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

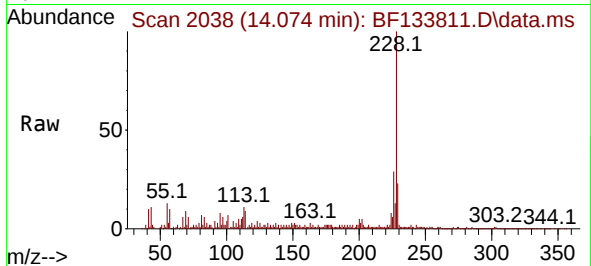
Tgt Ion:228 Resp: 101545
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 21.1 15.4 23.2





#83
Chrysene
Concen: 8.583 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

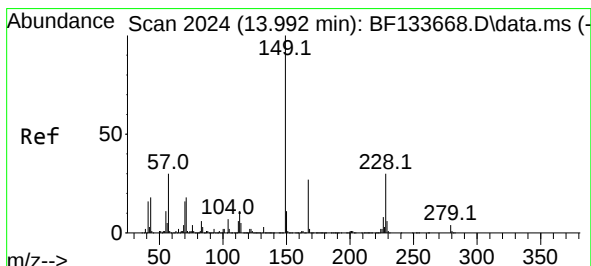
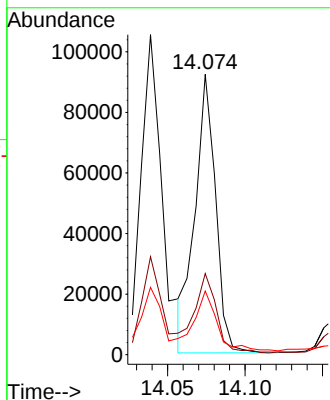
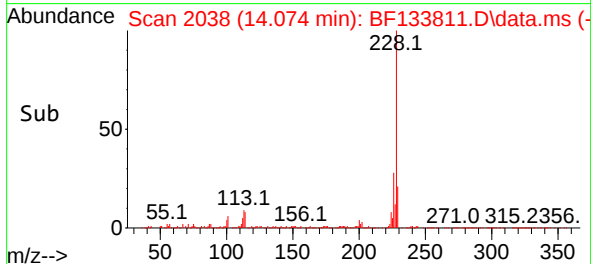
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



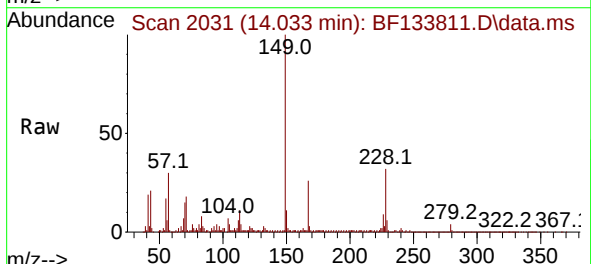
Tgt Ion:228 Resp: 84998
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 22.7 15.8 23.8

Manual Integrations
APPROVED

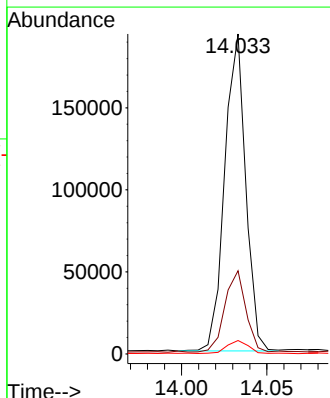
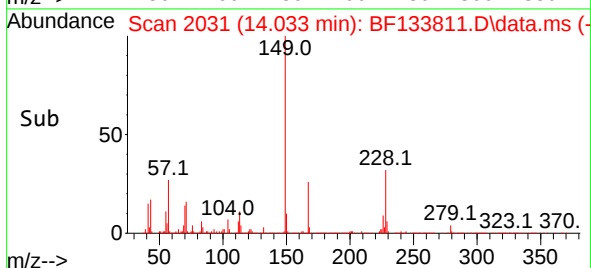
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

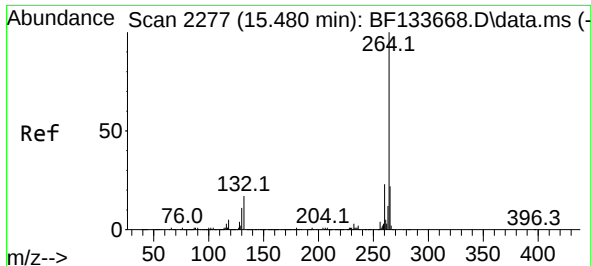


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.594 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30



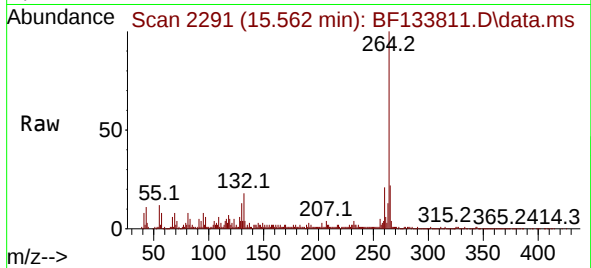
Tgt Ion:149 Resp: 165617
Ion Ratio Lower Upper
149 100
167 26.0 21.8 32.8
279 4.2 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

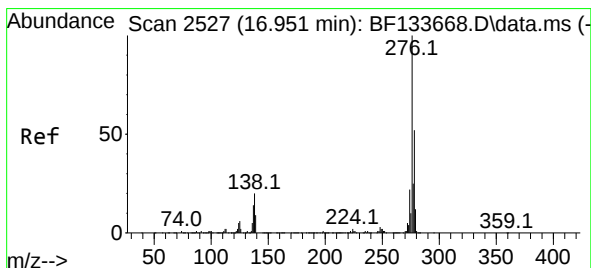
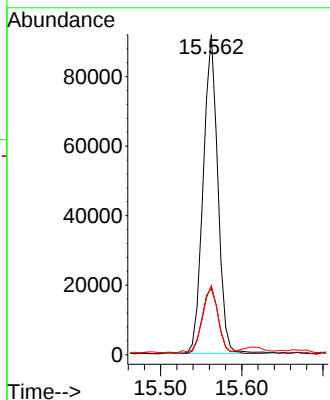
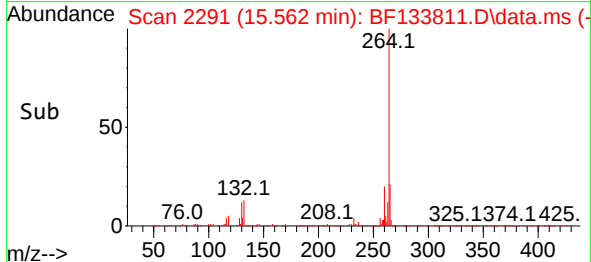
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:264 Resp: 11447
Ion Ratio Lower Upper
264 100
260 20.7 18.2 27.2
265 21.6 17.8 26.6

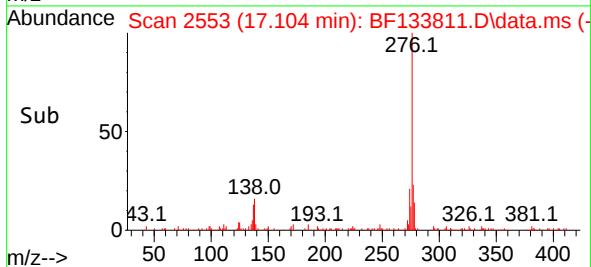
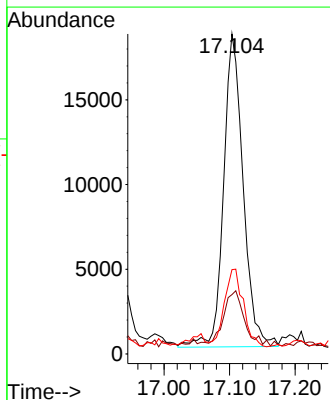
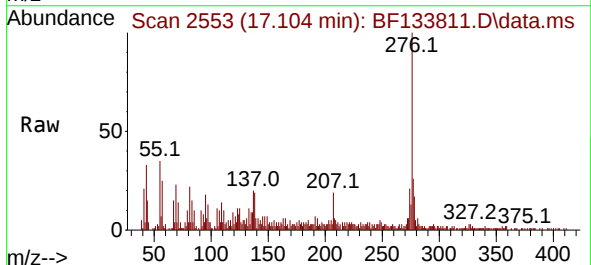
Manual Integrations
APPROVED

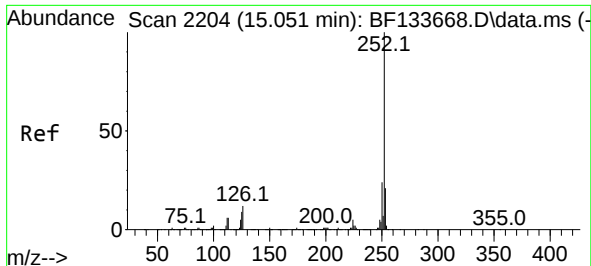
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.867 ng
RT: 17.104 min Scan# 2553
Delta R.T. -0.012 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

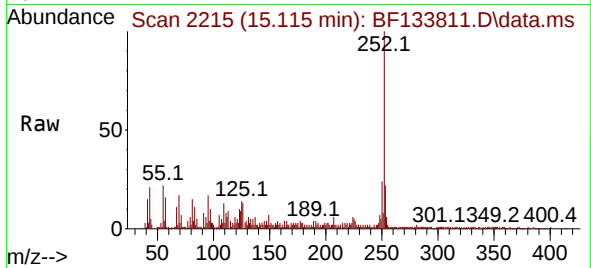
Tgt Ion:276 Resp: 38333
Ion Ratio Lower Upper
276 100
138 19.2 17.9 26.9
277 24.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 13.777 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

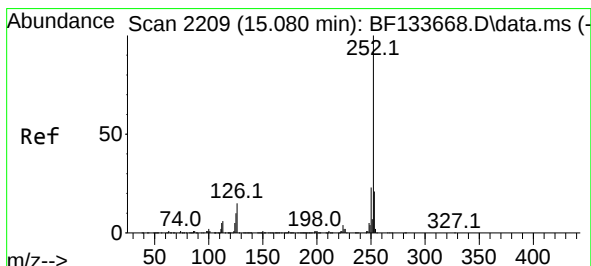
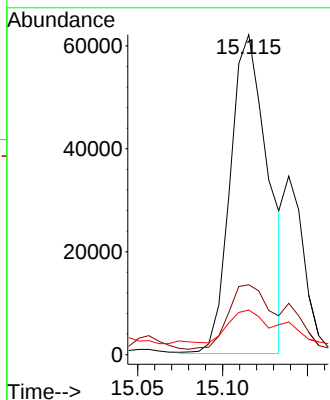
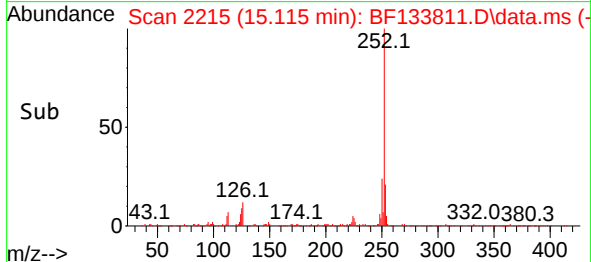
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



Tgt Ion:252 Resp: 95802
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 14.0 7.3 10.9

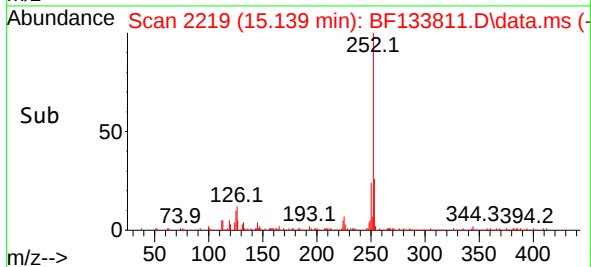
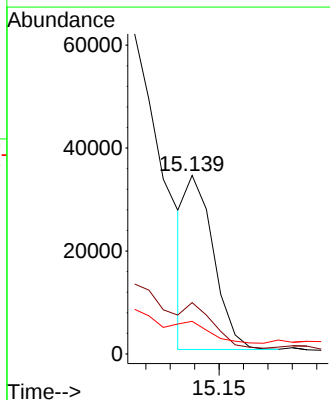
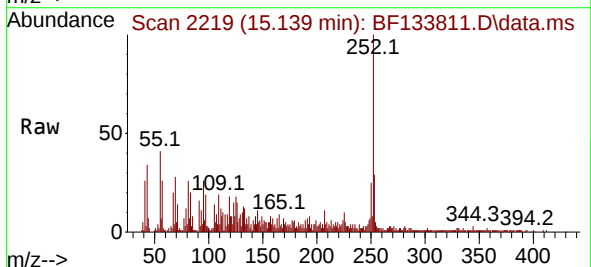
Manual Integrations
APPROVED

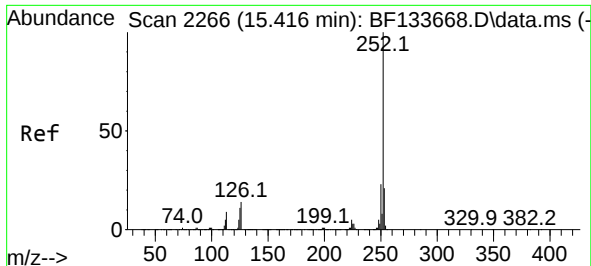
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.914 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

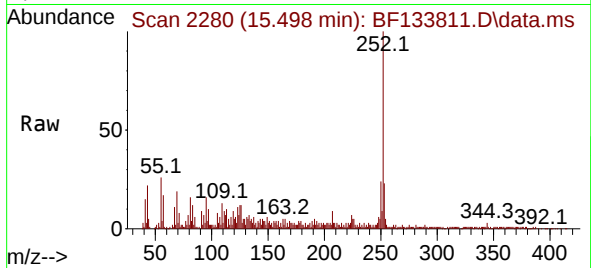
Tgt Ion:252 Resp: 26513
Ion Ratio Lower Upper
252 100
253 28.8 17.0 25.4#
125 18.3 7.8 11.6#





#90
Benzo(a)pyrene
Concen: 9.482 ng
RT: 15.498 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

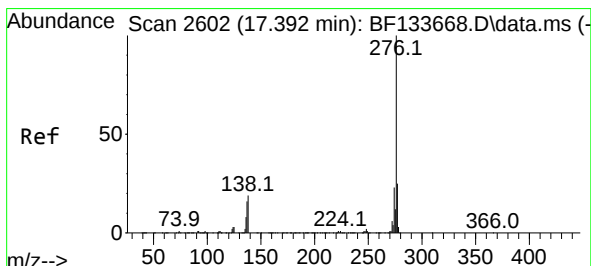
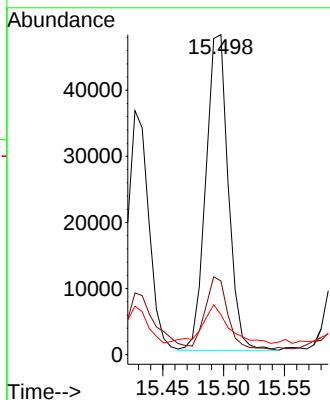
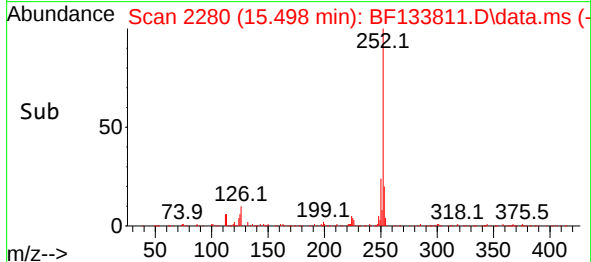
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16



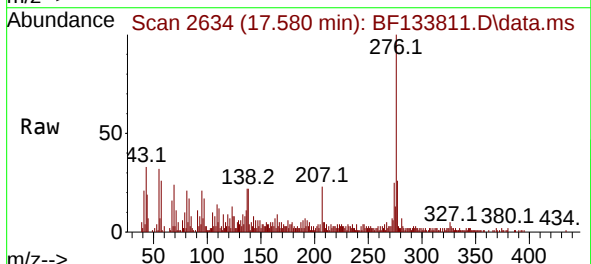
Tgt Ion:252 Resp: 61198
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#92
Benzo(g,h,i)perylene
Concen: 5.712 ng
RT: 17.580 min Scan# 2634
Delta R.T. -0.012 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30



Tgt Ion:276 Resp: 36926
Ion Ratio Lower Upper
276 100
277 26.3 19.8 29.8
138 22.0 15.0 22.4

