

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133813.D
 Acq On : 16 Jun 2023 18:36
 Operator : CG\JU
 Sample : 03223-13 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-11

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 00:10:11 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	89261	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	340703	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	155158	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	278689	20.000	ng	0.00
76) Chrysene-d12	14.051	240	184634	20.000	ng	0.00
86) Perylene-d12	15.562	264	127217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	291182	56.791	ng	0.00
7) Phenol-d6	6.492	99	333703	50.000	ng	0.00
23) Nitrobenzene-d5	7.422	82	225049	35.978	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	91020	46.344	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	455064	41.692	ng	0.00
79) Terphenyl-d14	12.986	244	402758	33.754	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	82407	5.828	ng	99
75) Fluoranthene	12.610	202	169884	11.314	ng	99
78) Pyrene	12.839	202	141050	8.201	ng	99
81) Benzo(a)anthracene	14.039	228	73485	5.754	ng	94
83) Chrysene	14.074	228	68630	5.682	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	25104	2.868	ng	98
88) Benzo(b)fluoranthene	15.110	252	65505m	8.476	ng	
89) Benzo(k)fluoranthene	15.139	252	23706m	3.149	ng	
90) Benzo(a)pyrene	15.492	252	44609	6.220	ng	# 92
92) Benzo(g,h,i)perylene	17.568	276	29726	4.138	ng	97

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

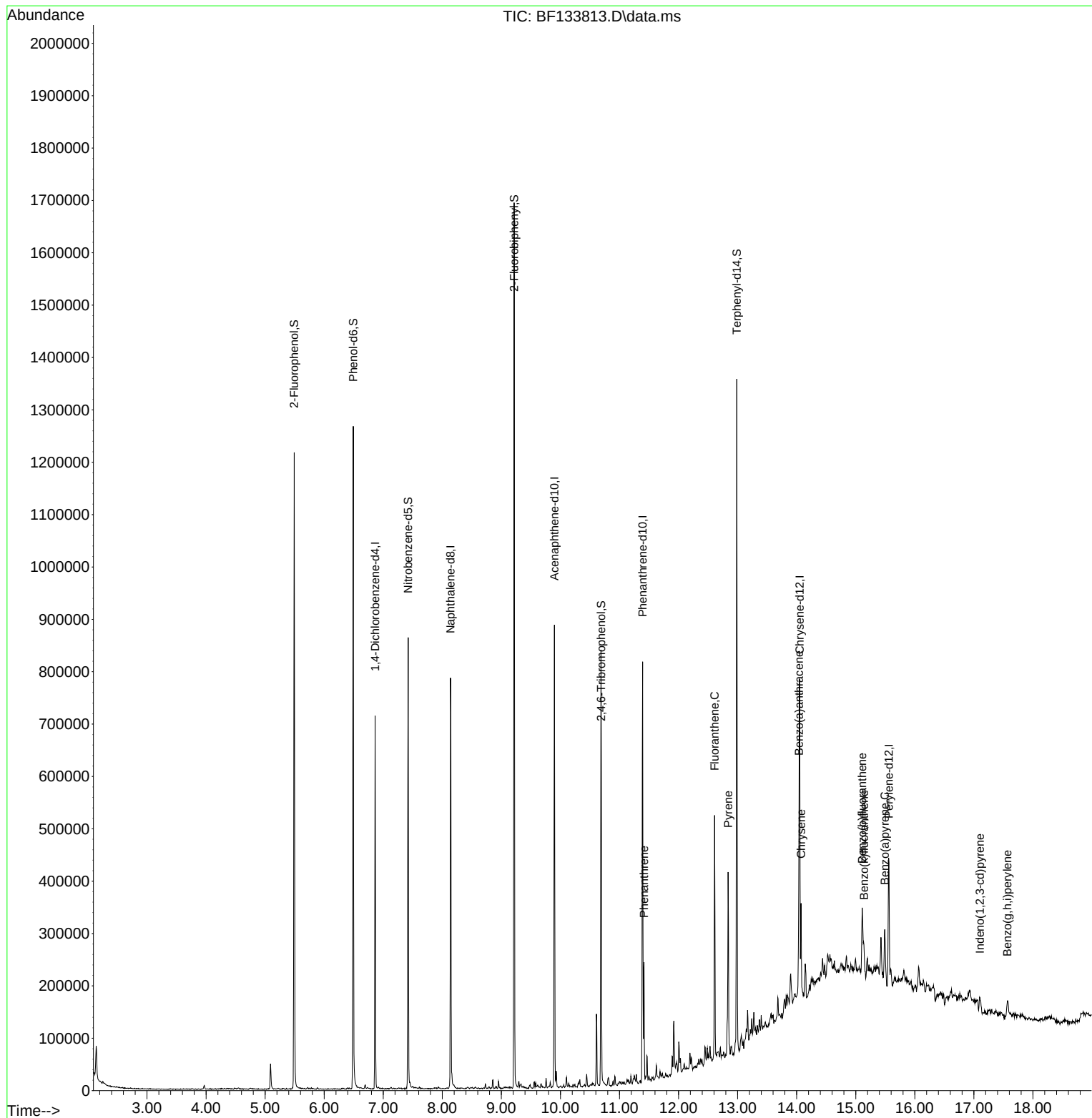
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133813.D
Acq On : 16 Jun 2023 18:36
Operator : CG\JU
Sample : 03223-13 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

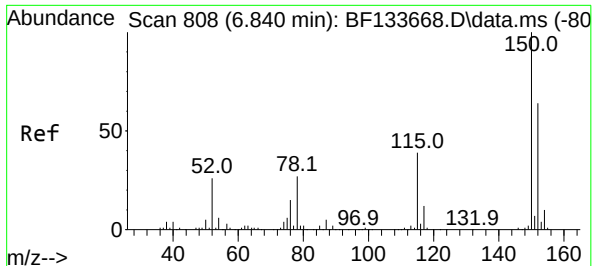
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

Quant Time: Jun 17 00:10:11 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

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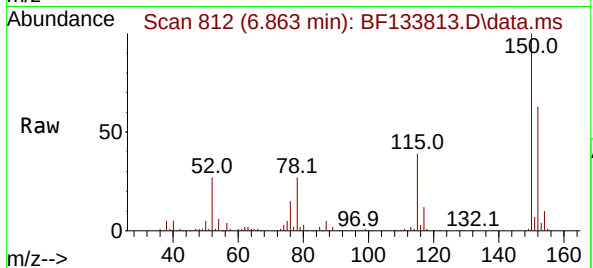
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

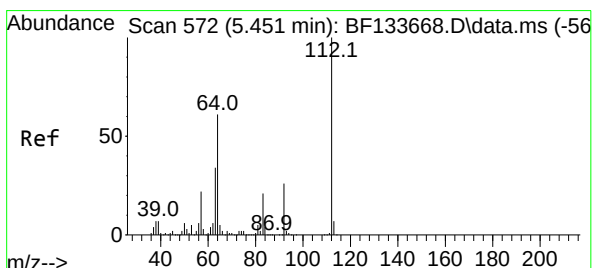
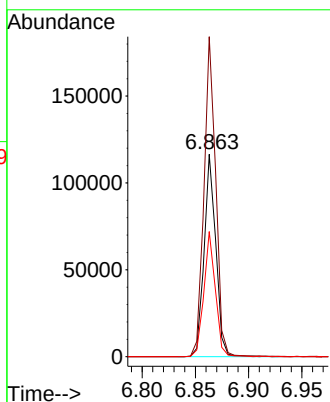
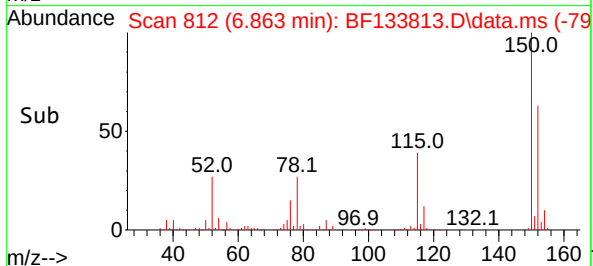
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



Tgt Ion:152 Resp: 8926
Ion Ratio Lower Upper
152 100
150 158.1 124.3 186.5
115 61.8 48.5 72.7

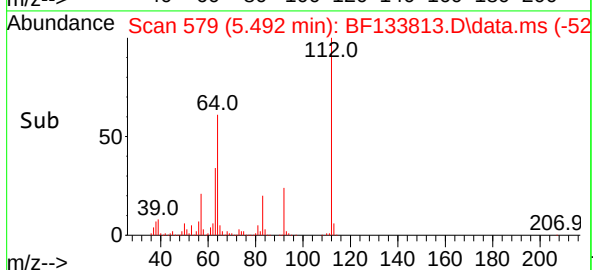
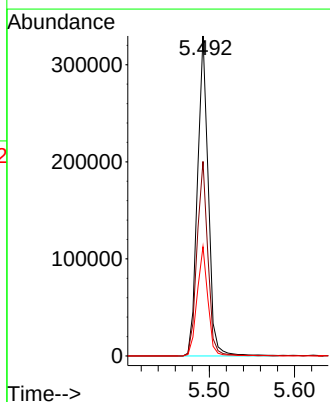
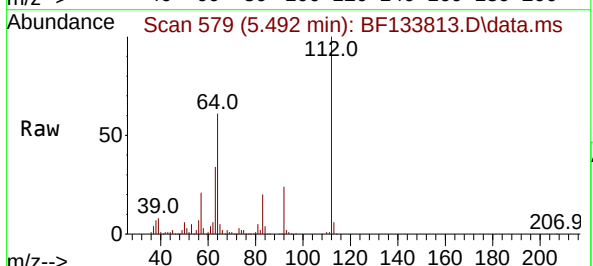
Manual Integrations
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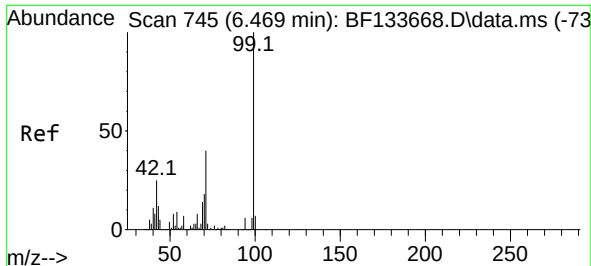
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#5
2-Fluorophenol
Concen: 56.791 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

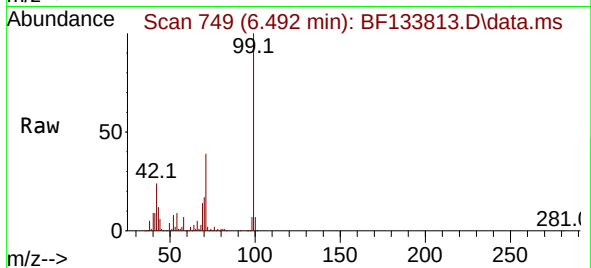
Tgt Ion:112 Resp: 291182
Ion Ratio Lower Upper
112 100
64 60.8 49.0 73.4
63 34.1 26.8 40.2





#7
Phenol-d6
Concen: 50.000 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

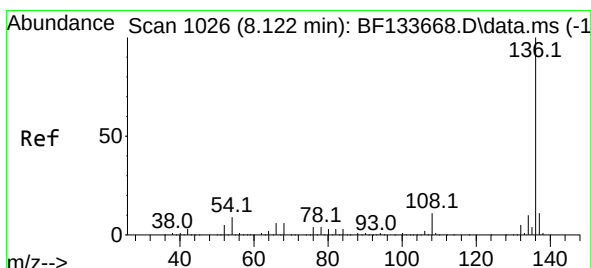
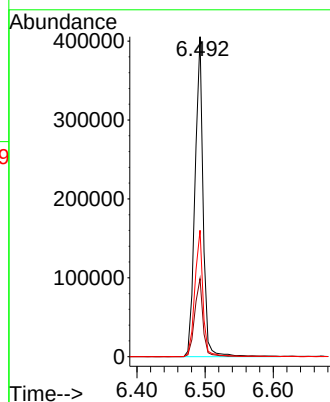
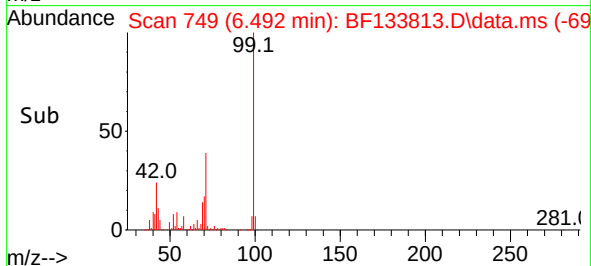
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



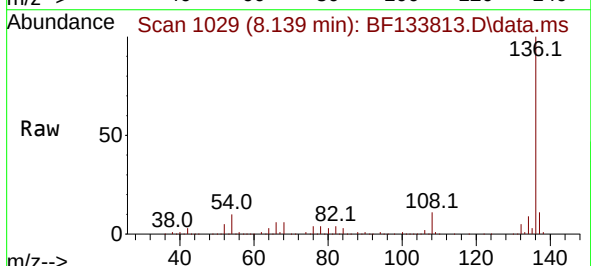
Tgt Ion: 99 Resp: 333703
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 39.5 32.2 48.4

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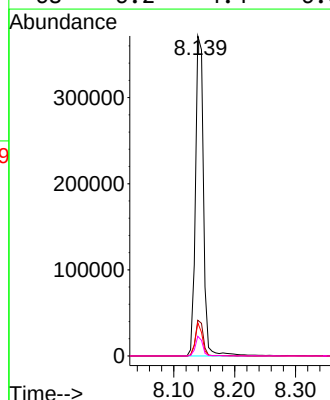
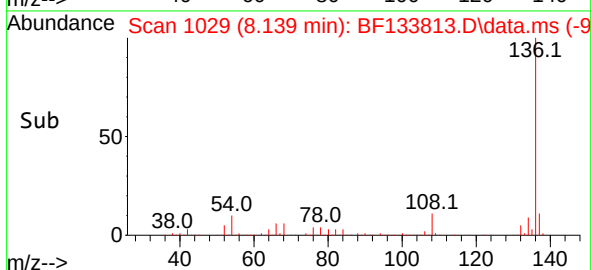
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

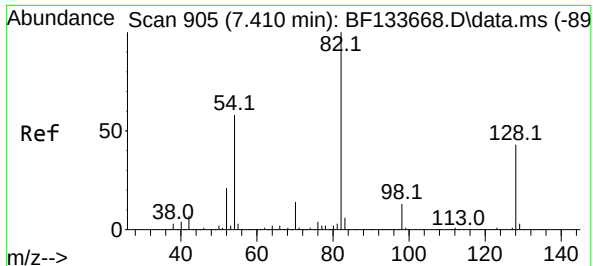


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36



Tgt Ion:136 Resp: 340703
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.4 7.4 11.0
68 6.2 4.4 6.6





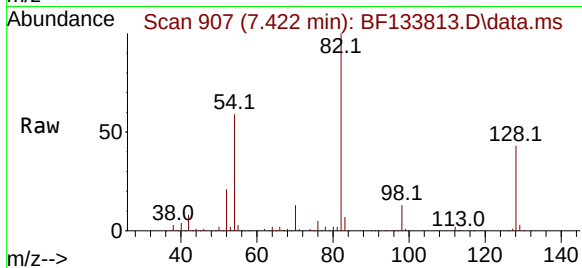
#23
Nitrobenzene-d5
Concen: 35.978 ng
RT: 7.422 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

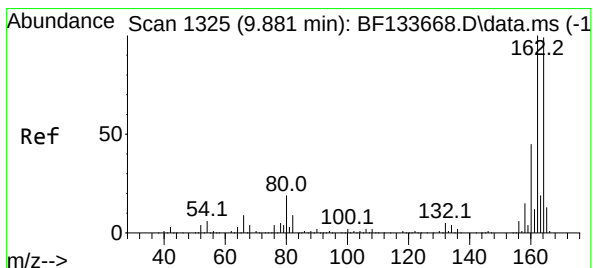
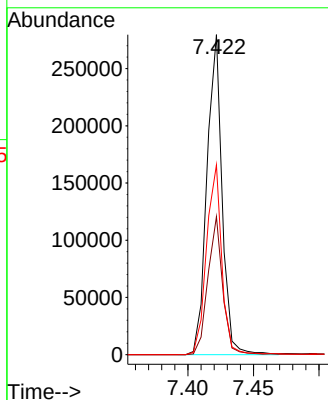
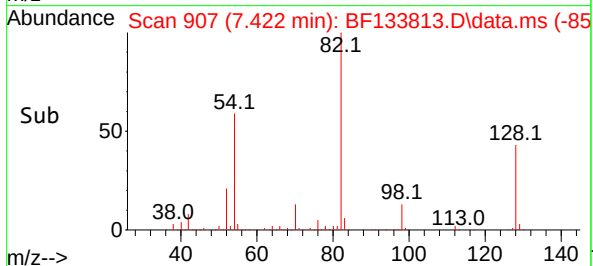


Tgt Ion: 82 Resp: 225049
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.2
54 59.3 46.5 69.7

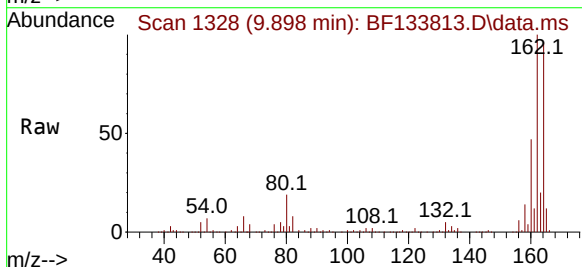
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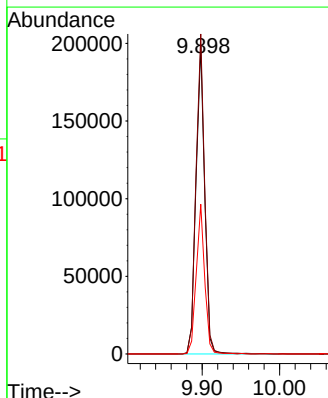
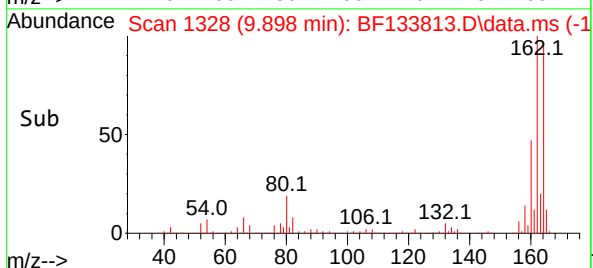
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

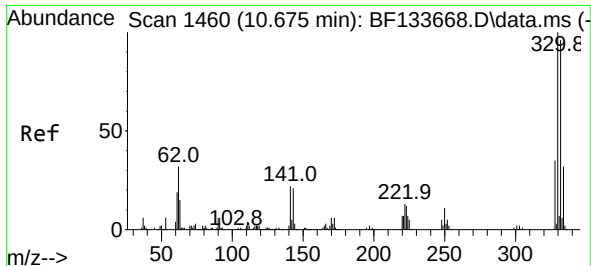


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36



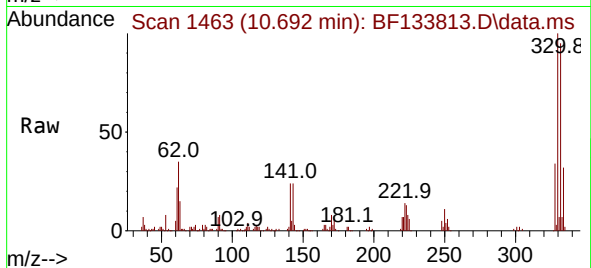
Tgt Ion:164 Resp: 155158
Ion Ratio Lower Upper
164 100
162 103.9 80.8 121.2
160 48.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 46.344 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

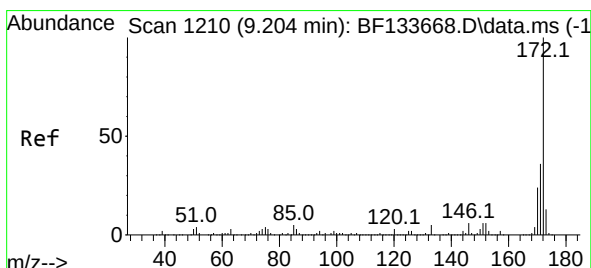
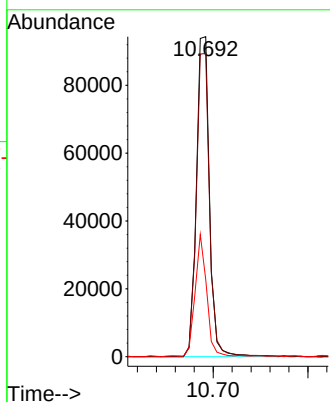
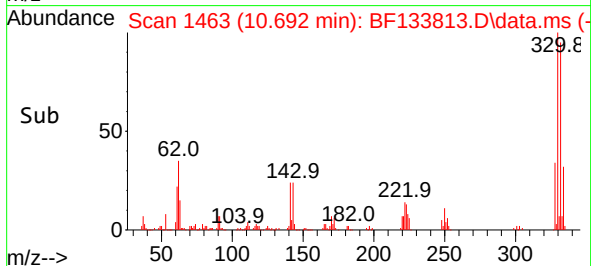
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



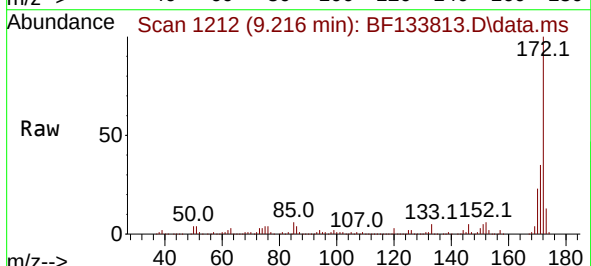
Tgt Ion: 330 Resp: 91020
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 33.8 24.9 37.3

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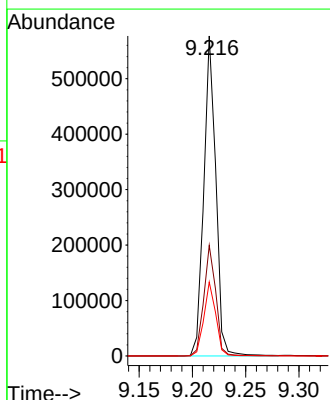
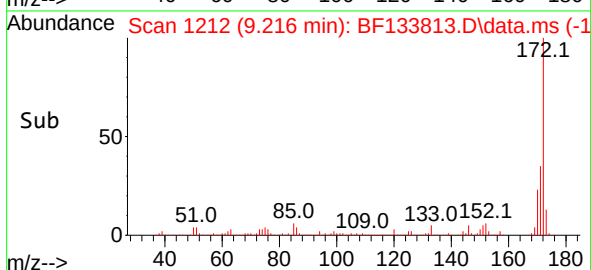
Reviewed By : Yogesh Patel 06/19/2023
Supervised By : mohammad ahmed 06/20/2023

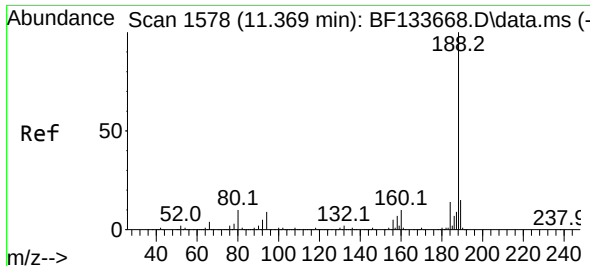


#45
2-Fluorobiphenyl
Concen: 41.692 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36



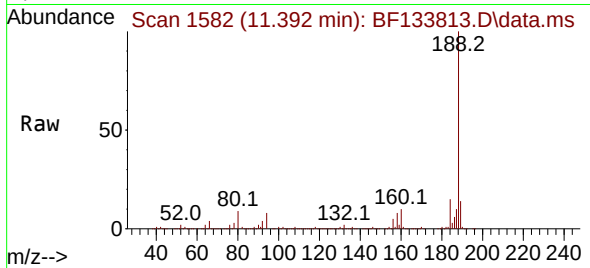
Tgt Ion: 172 Resp: 455064
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

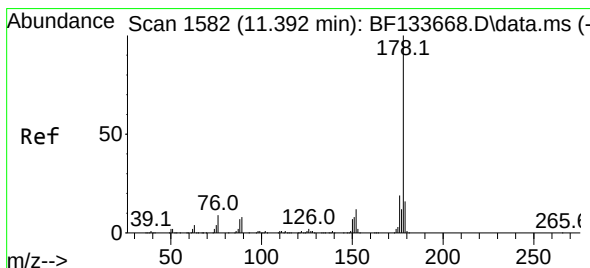
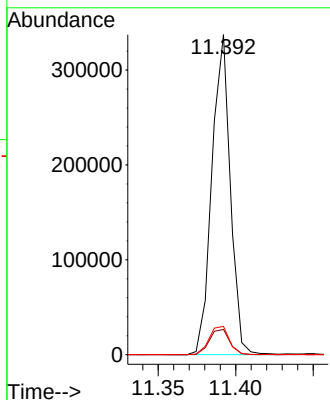
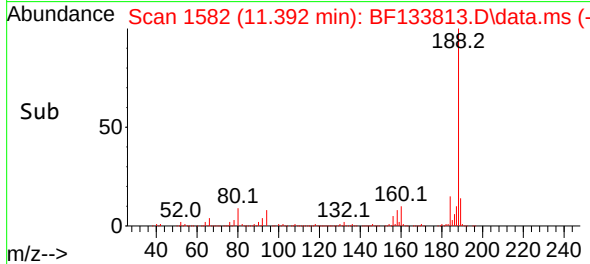
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



Tgt Ion:188 Resp: 278689
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.9 7.8 11.6

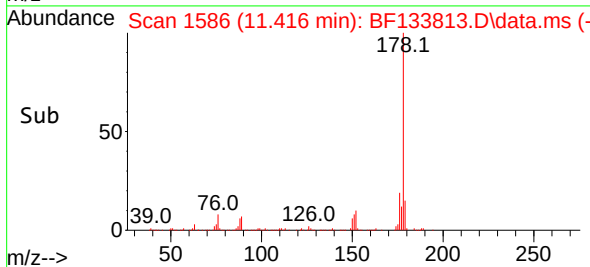
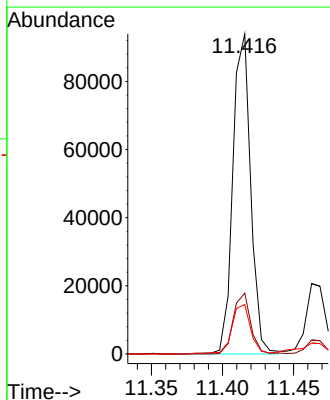
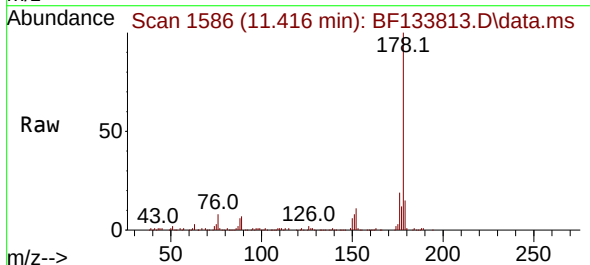
Manual Integrations
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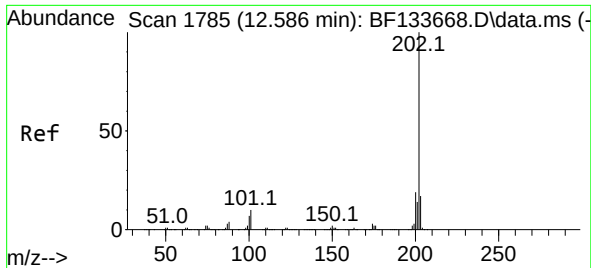
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#71
Phenanthrene
Concen: 5.828 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

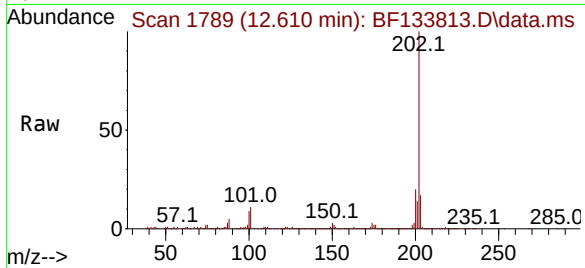
Tgt Ion:178 Resp: 82407
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 11.314 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

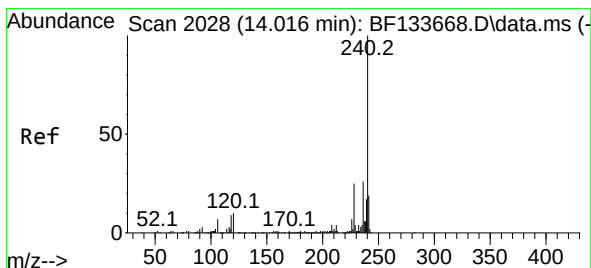
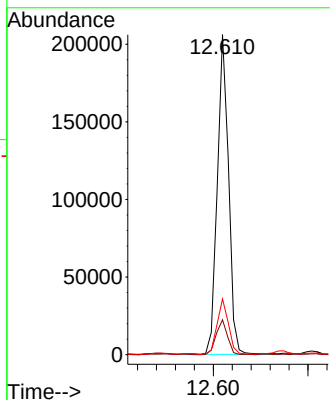
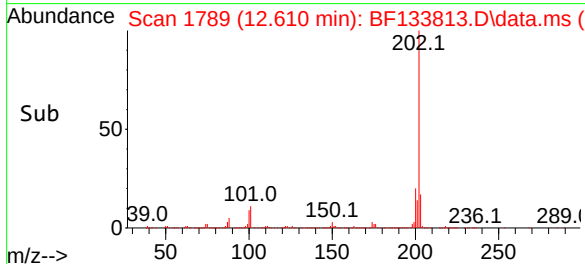
Instrument :
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COMPOSIT-SB-11



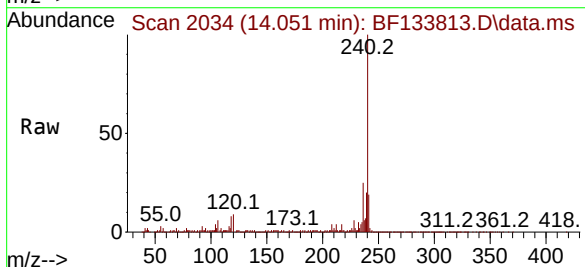
Tgt Ion:202 Resp: 169884
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.5 0.0 37.4

Manual Integrations
APPROVED

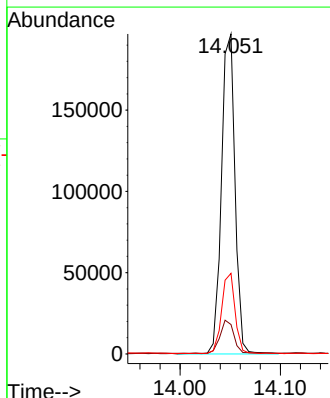
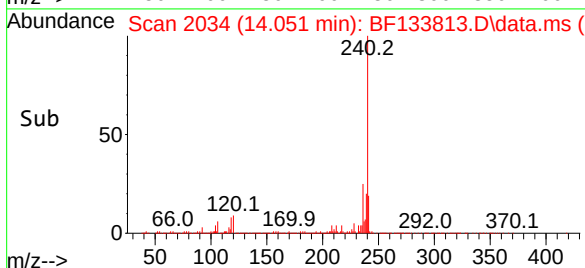
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

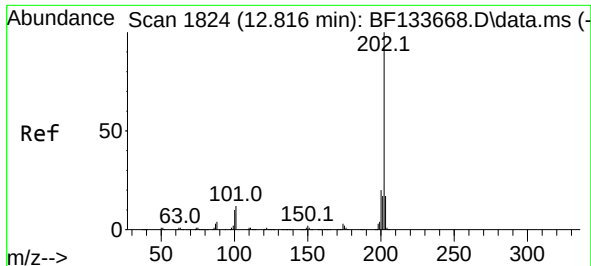


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36



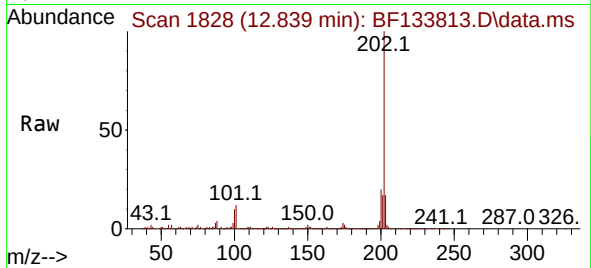
Tgt Ion:240 Resp: 184634
Ion Ratio Lower Upper
240 100
120 9.2 8.1 12.1
236 25.2 20.5 30.7





#78
Pyrene
Concen: 8.201 ng
RT: 12.839 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

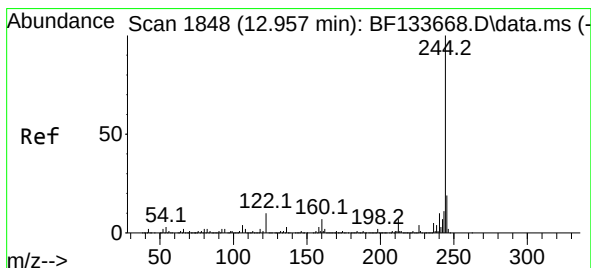
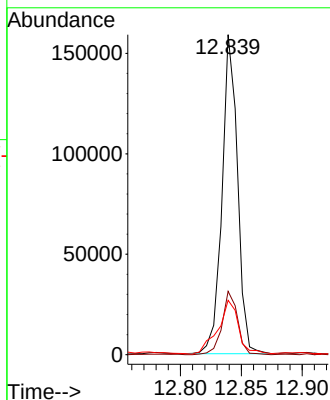
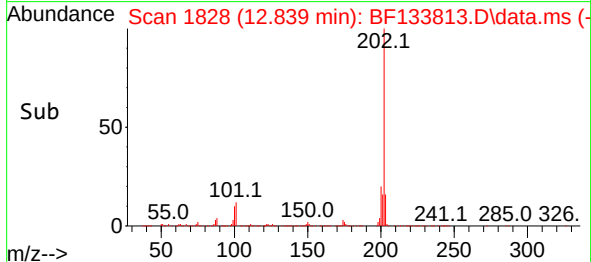
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



Tgt Ion:202 Resp: 141050
Ion Ratio Lower Upper
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200 19.8 16.2 24.2
203 17.0 13.9 20.9

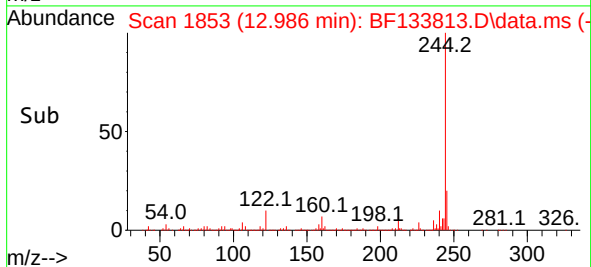
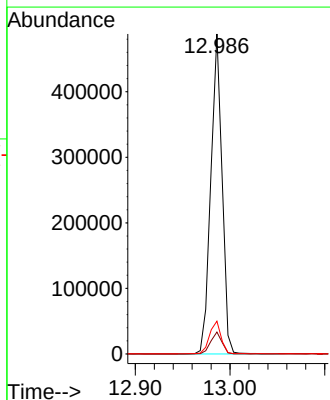
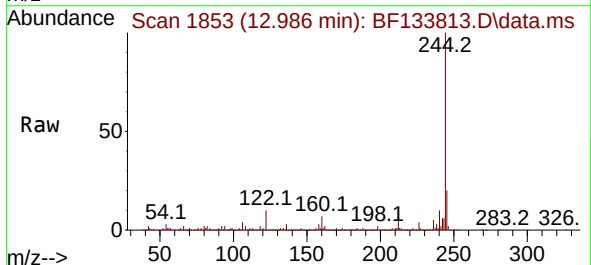
Manual Integrations
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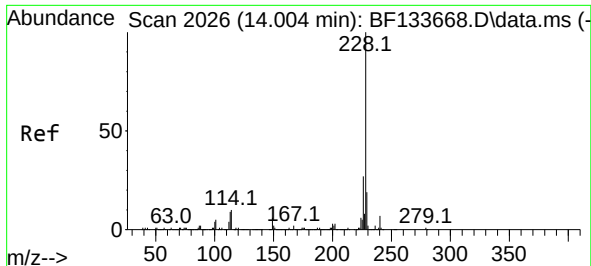
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#79
Terphenyl-d14
Concen: 33.754 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:244 Resp: 402758
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.2 8.1 12.1





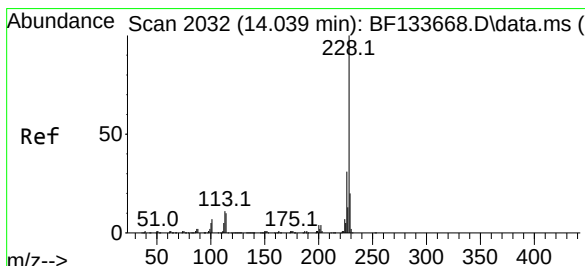
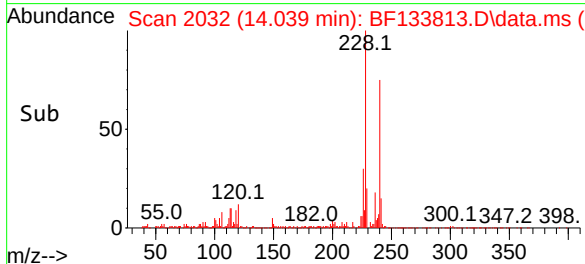
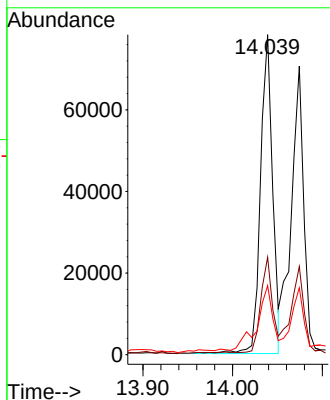
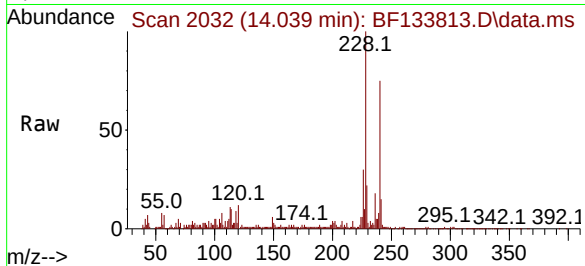
#81
Benzo(a)anthracene
Concen: 5.754 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

Tgt Ion:228 Resp: 7348
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 21.5 15.4 23.2

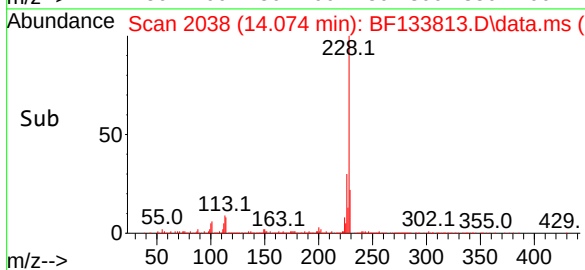
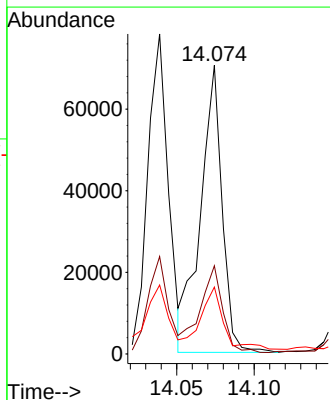
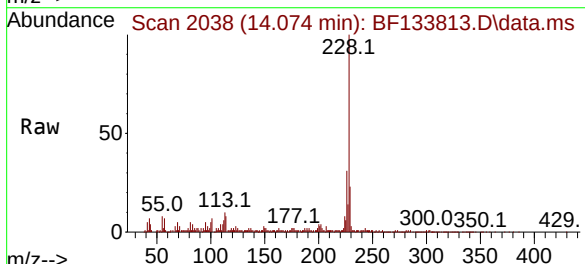
Manual Integrations
APPROVED

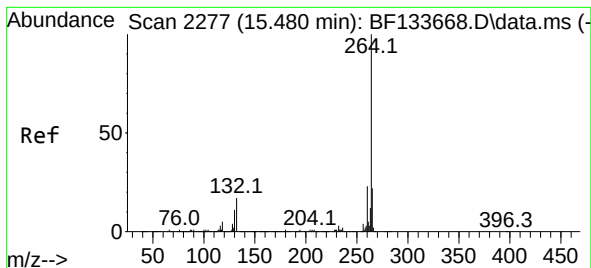
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#83
Chrysene
Concen: 5.682 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:228 Resp: 68630
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 23.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

Tgt Ion:264 Resp: 12721

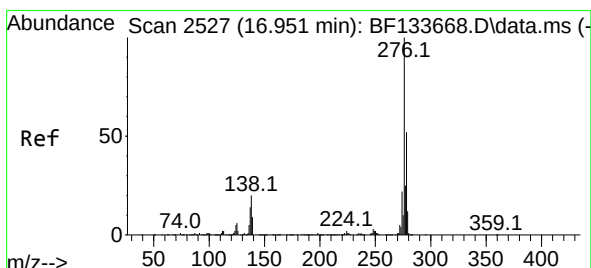
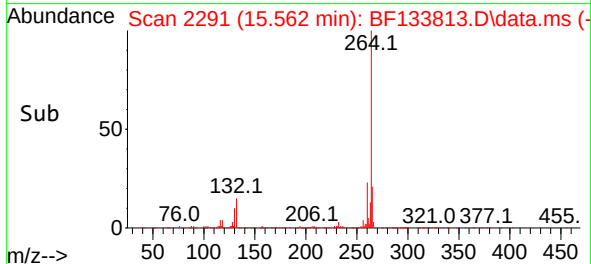
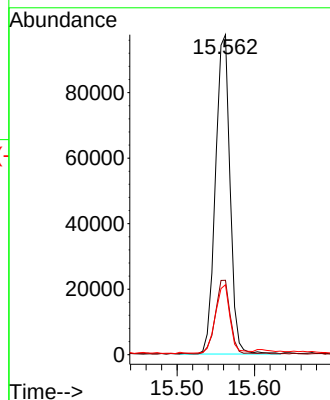
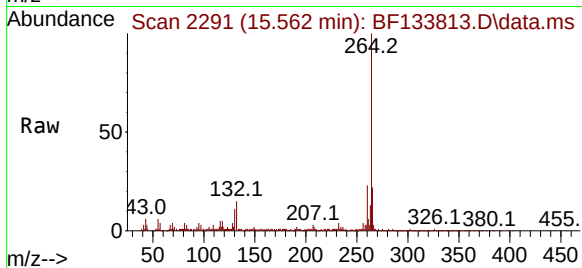
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	21.8	17.8	26.6

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: 2.868 ng

RT: 17.103 min Scan# 2553

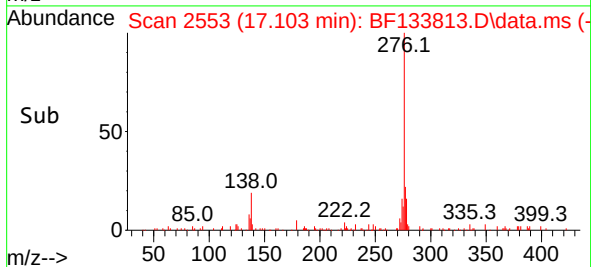
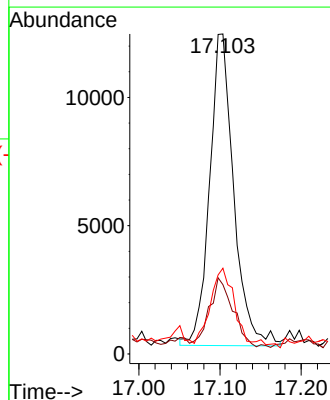
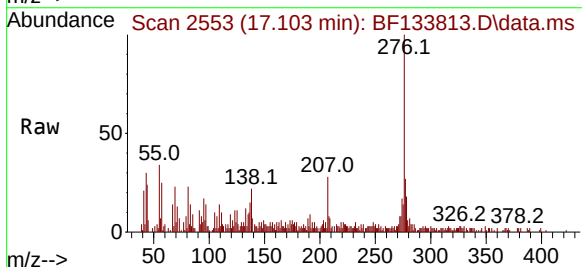
Delta R.T. -0.012 min

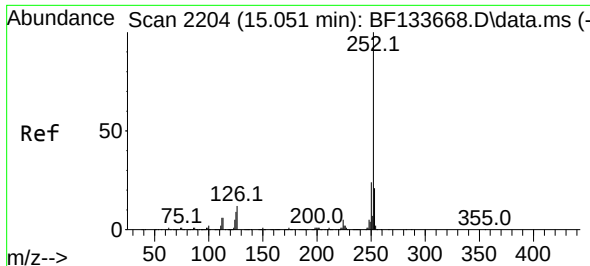
Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Tgt Ion:276 Resp: 25104

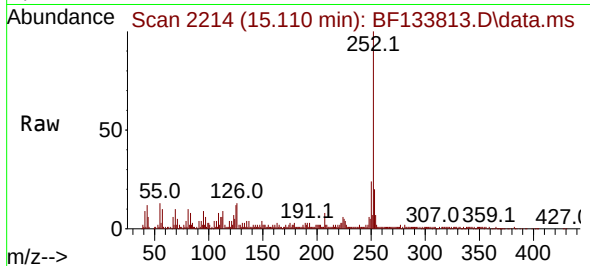
Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.9	26.9
277	23.6	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 8.476 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

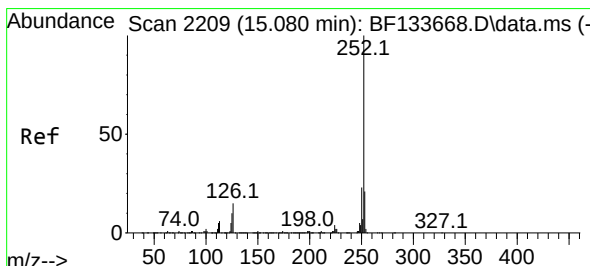
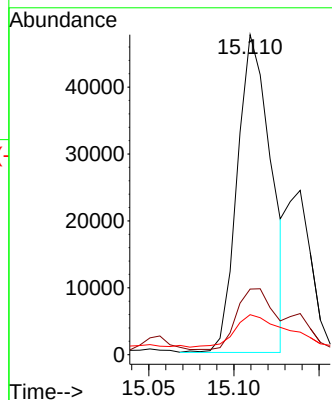
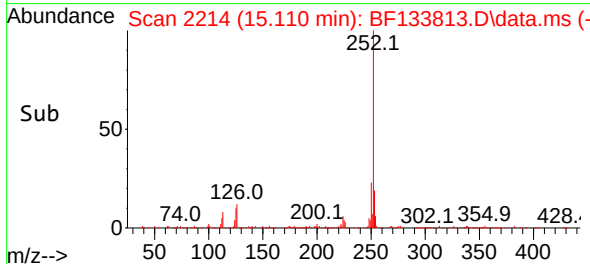
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11



Tgt Ion:252 Resp: 6550
Ion Ratio Lower Upper
252 100
253 20.5 17.0 25.6
125 12.5 7.3 10.9

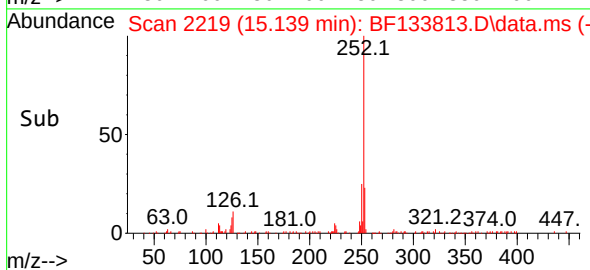
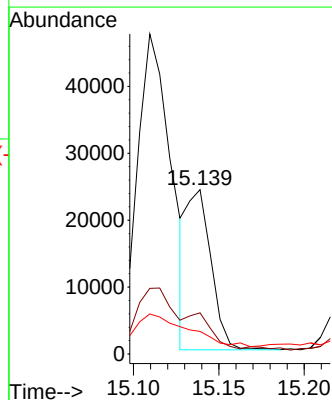
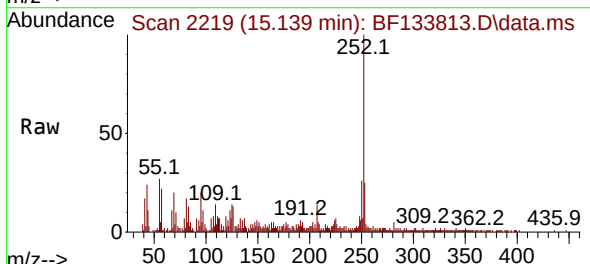
Manual Integrations
APPROVED

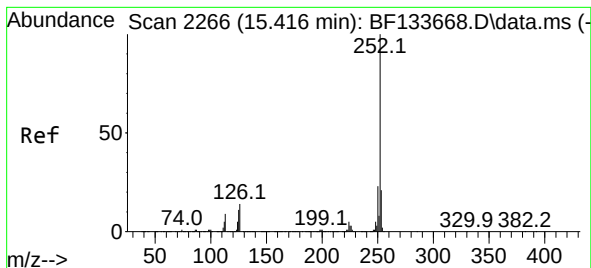
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.149 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:252 Resp: 23706
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.4
125 13.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 6.220 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

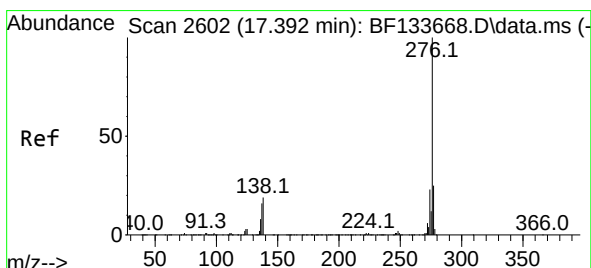
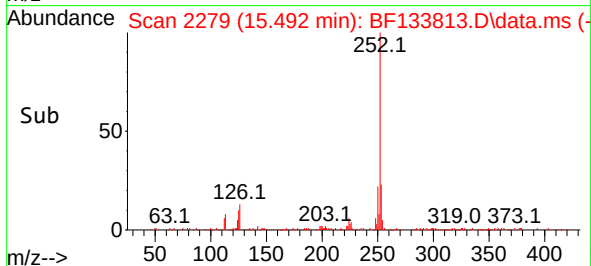
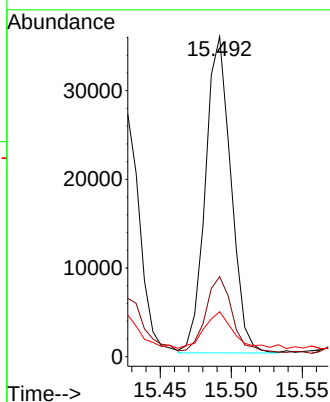
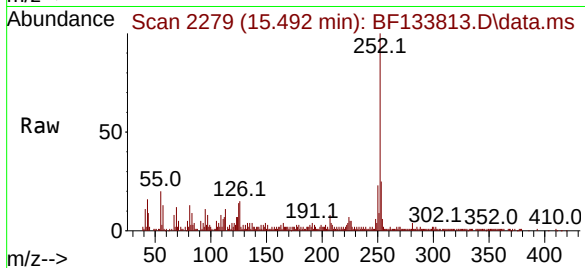
Tgt Ion:	252	Resp:	44609
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.1	25.7
125	14.0	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#92

Benzo(g,h,i)perylene

Concen: 4.138 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.024 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Tgt Ion:	276	Resp:	29726
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.8	29.8
138	21.6	15.0	22.4

