

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133812.D
 Acq On : 16 Jun 2023 18:03
 Operator : CG\JU
 Sample : 03223-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 18:46:22 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	92831	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	335262	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	151311	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	243590	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168297	20.000	ng	0.00
86) Perylene-d12	15.557	264	120999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245217	45.987	ng	0.00
7) Phenol-d6	6.493	99	317418	45.731	ng	0.00
23) Nitrobenzene-d5	7.422	82	186889	30.362	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	80498	42.028	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	404873	38.036	ng	0.00
79) Terphenyl-d14	12.986	244	394058	36.230	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	119486	9.668	ng	98
72) Anthracene	11.463	178	30485	2.366	ng	99
75) Fluoranthene	12.610	202	312138	23.784	ng	98
78) Pyrene	12.839	202	282495	18.019	ng	99
81) Benzo(a)anthracene	14.039	228	129693	11.141	ng	94
83) Chrysene	14.074	228	104127	9.457	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	48229	5.794	ng	96
88) Benzo(b)fluoranthene	15.110	252	111094m	15.114	ng	
89) Benzo(k)fluoranthene	15.133	252	41272m	5.764	ng	
90) Benzo(a)pyrene	15.492	252	78783	11.549	ng	96
92) Benzo(g,h,i)perylene	17.574	276	47041	6.884	ng	95

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

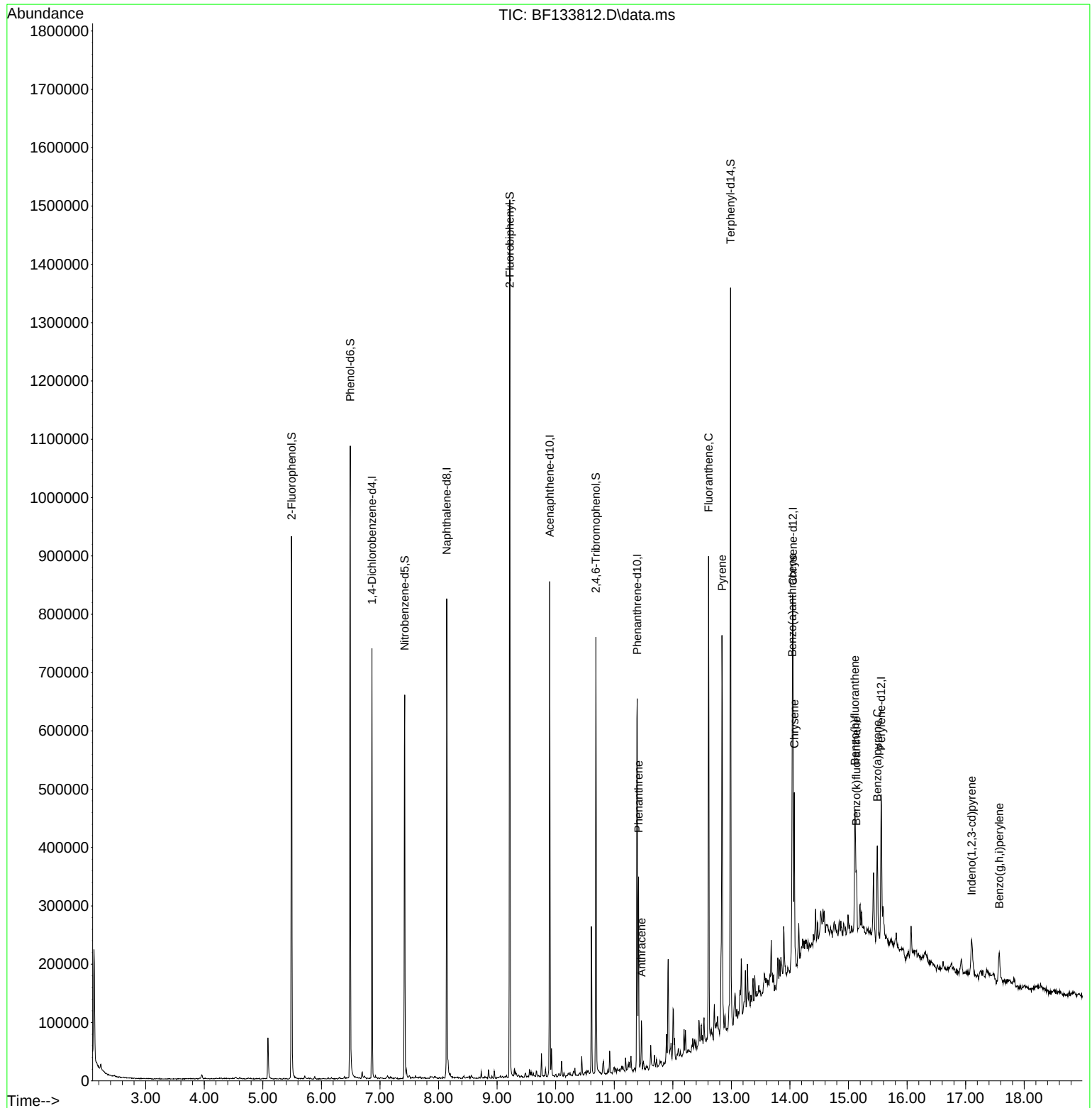
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133812.D
Acq On : 16 Jun 2023 18:03
Operator : CG\JU
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ALS Vial : 10 Sample Multiplier: 1

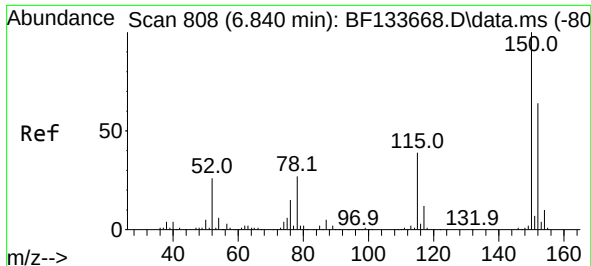
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

Quant Time: Jun 16 18:46:22 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

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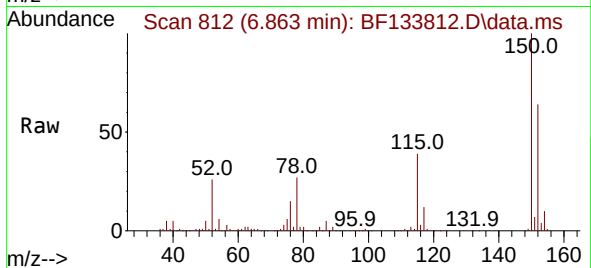
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

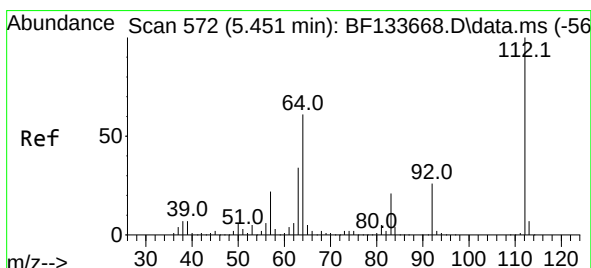
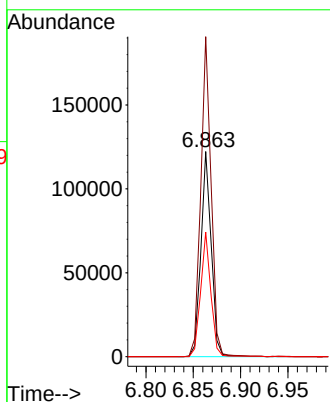
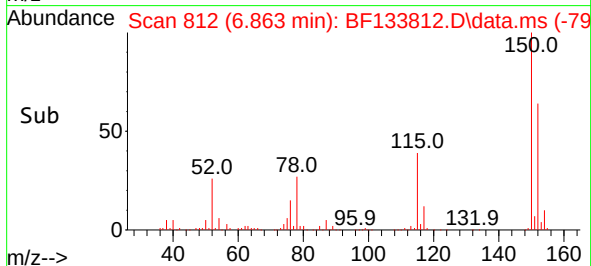
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



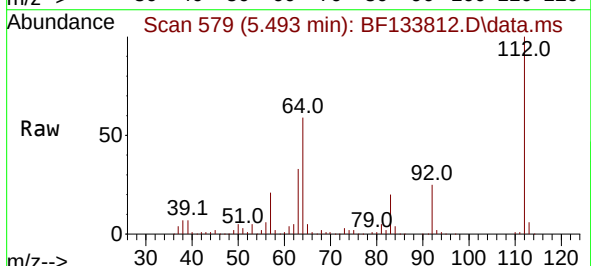
Tgt Ion:152 Resp: 9283
Ion Ratio Lower Upper
152 100
150 156.0 124.3 186.5
115 60.7 48.5 72.7

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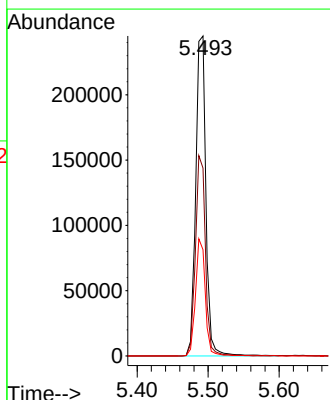
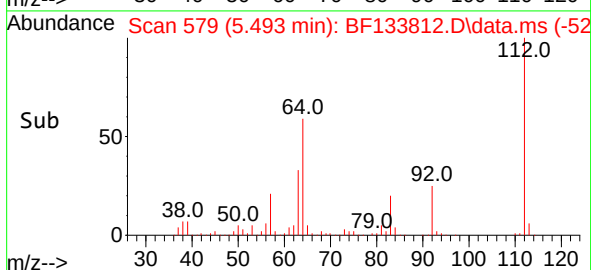
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

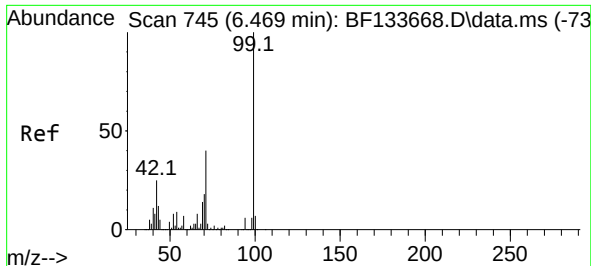


#5
2-Fluorophenol
Concen: 45.987 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03



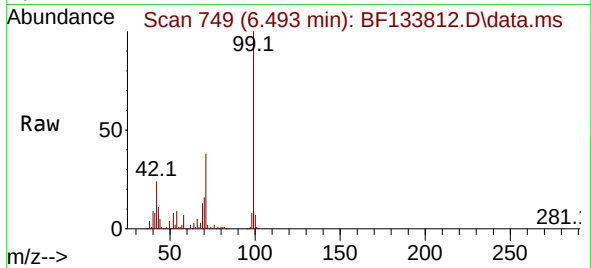
Tgt Ion:112 Resp: 245217
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 33.2 26.8 40.2





#7
Phenol-d6
Concen: 45.731 ng
RT: 6.493 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

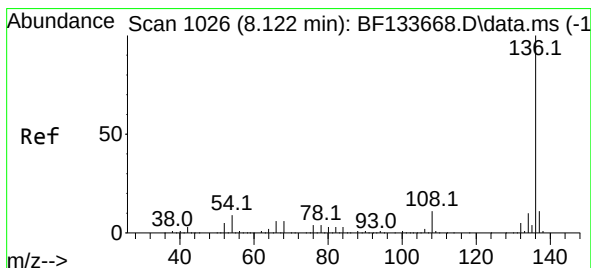
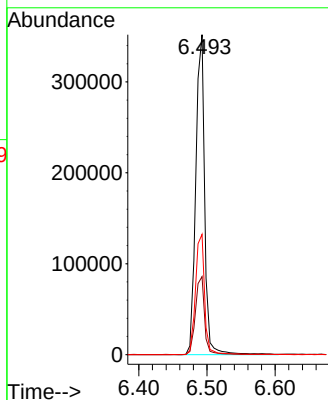
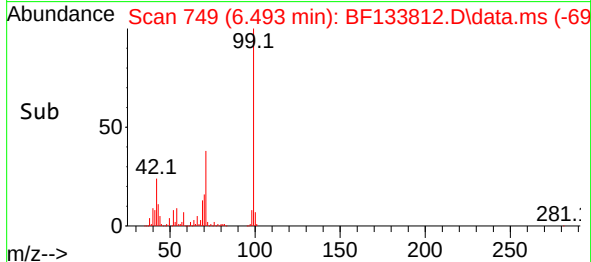
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



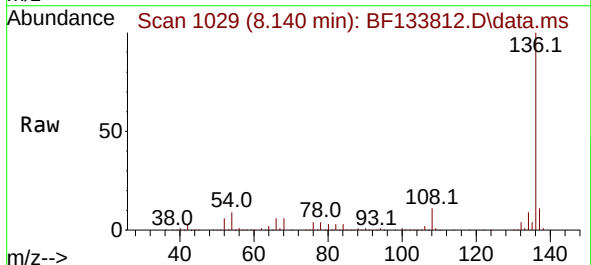
Tgt Ion: 99 Resp: 317418
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 37.6 32.2 48.4

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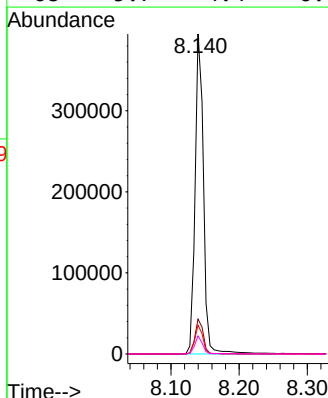
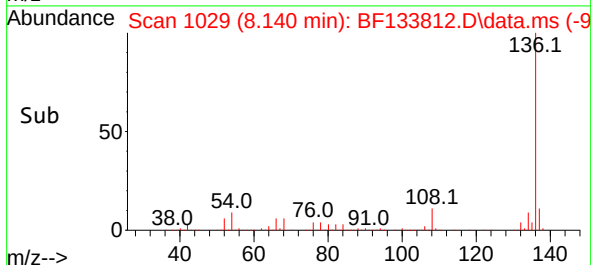
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

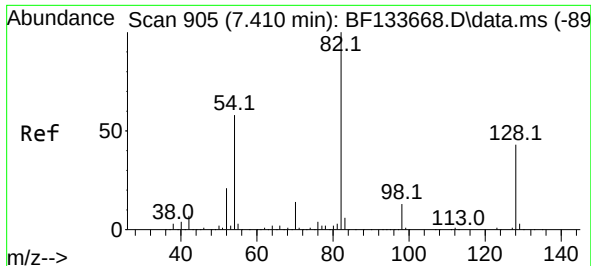


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03



Tgt Ion:136 Resp: 335262
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.0 7.4 11.0
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 30.362 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

Tgt Ion: 82 Resp: 186889

Ion Ratio Lower Upper

82 100

128 44.3 34.2 51.2

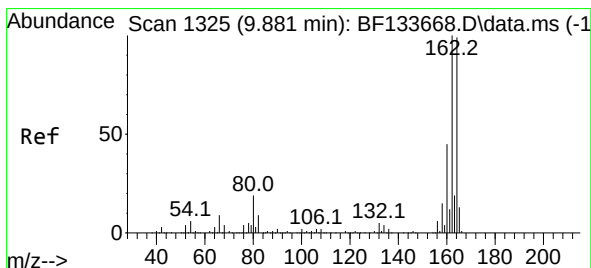
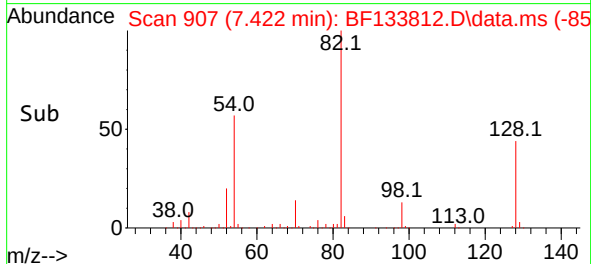
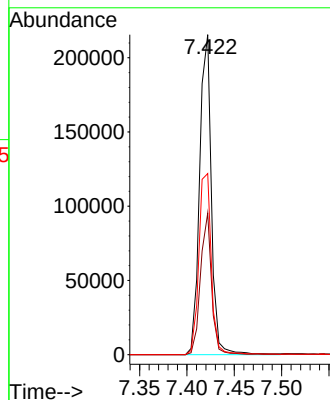
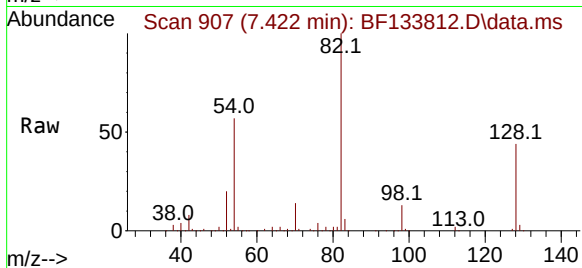
54 56.6 46.5 69.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

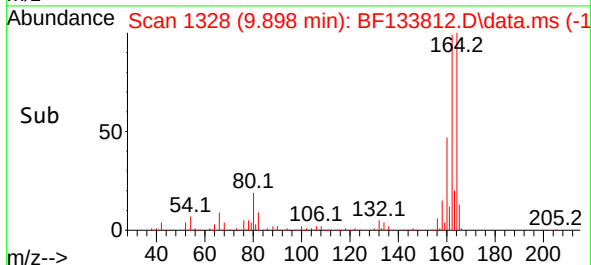
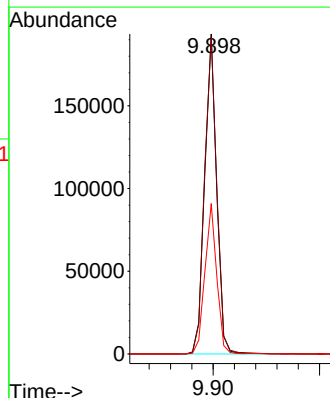
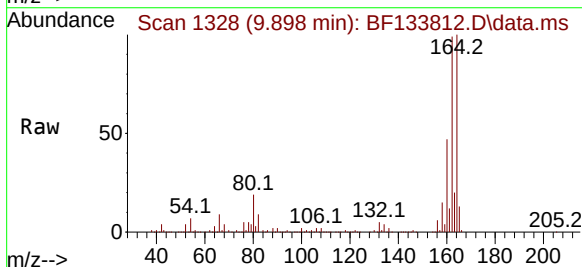
Tgt Ion:164 Resp: 151311

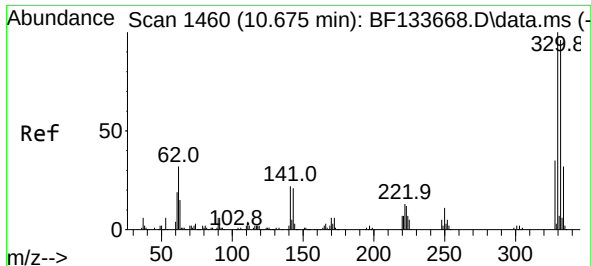
Ion Ratio Lower Upper

164 100

162 99.2 80.8 121.2

160 47.0 36.7 55.1





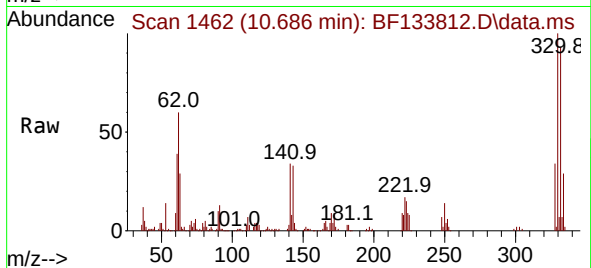
#42
2,4,6-Tribromophenol
Concen: 42.028 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04



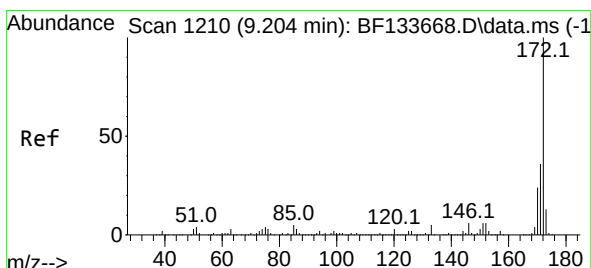
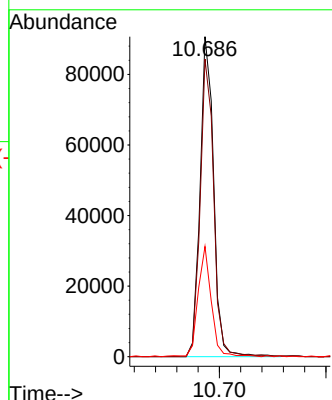
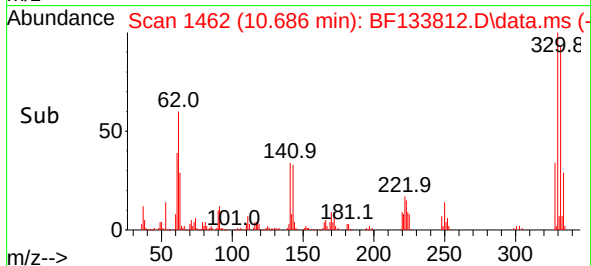
Tgt Ion: 330 Resp: 80498
Ion Ratio Lower Upper
330 100
332 93.5 77.2 115.8
141 33.8 24.9 37.3

Manual Integrations

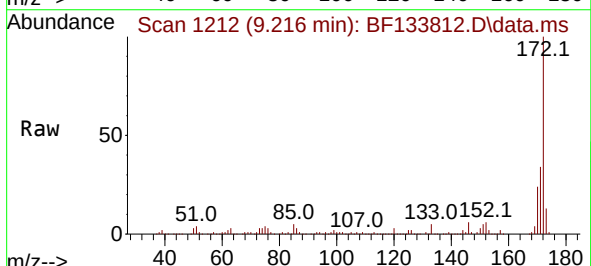
APPROVED

Reviewed By : Yogesh Patel 06/19/2023

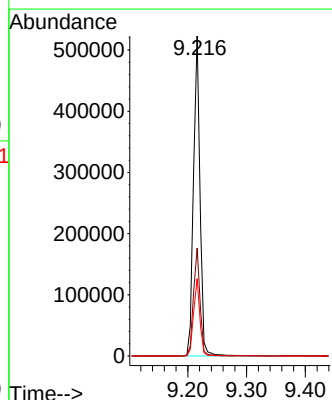
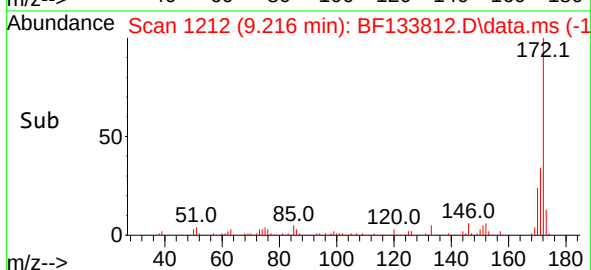
Supervised By : mohammad ahmed 06/20/2023

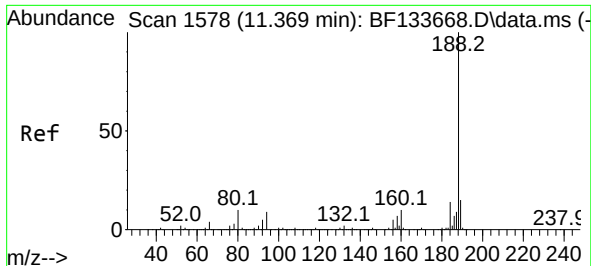


#45
2-Fluorobiphenyl
Concen: 38.036 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03



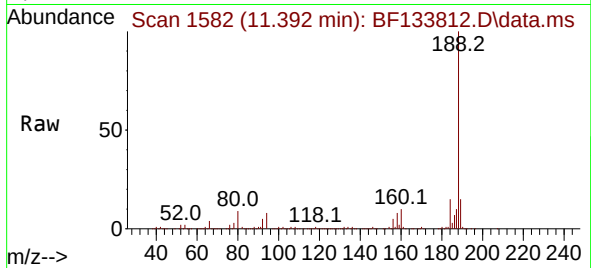
Tgt Ion: 172 Resp: 404873
Ion Ratio Lower Upper
172 100
171 33.7 28.6 43.0
170 24.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

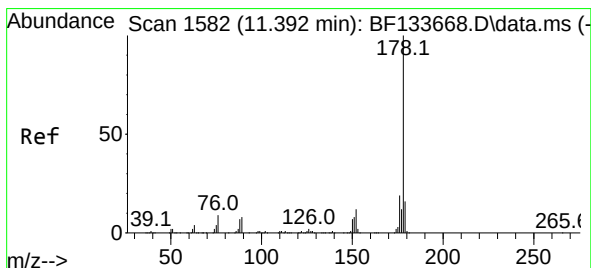
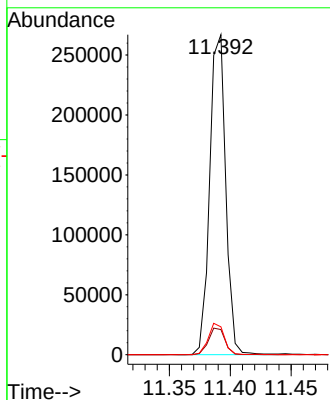
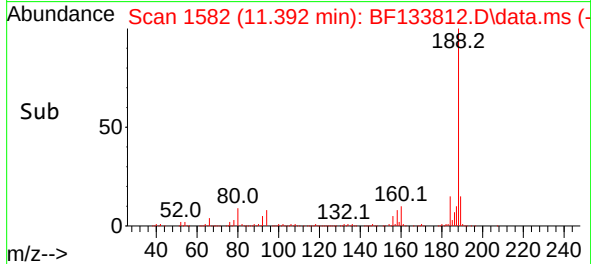
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



Tgt Ion:188 Resp: 243590
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.7 7.8 11.6

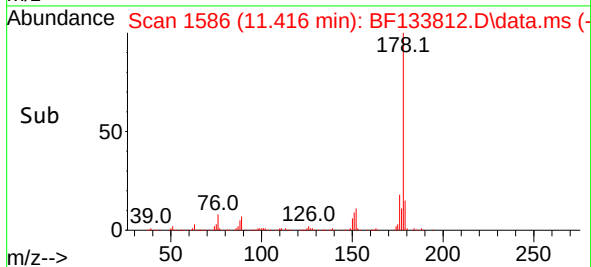
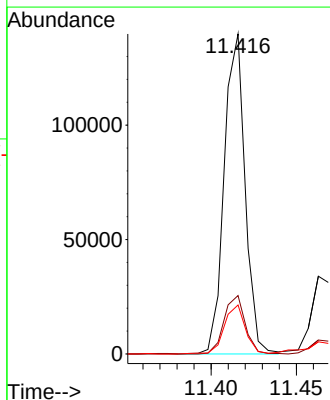
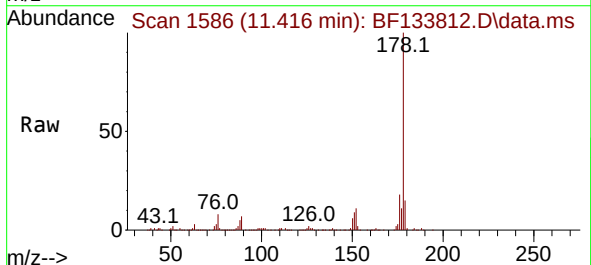
Manual Integrations
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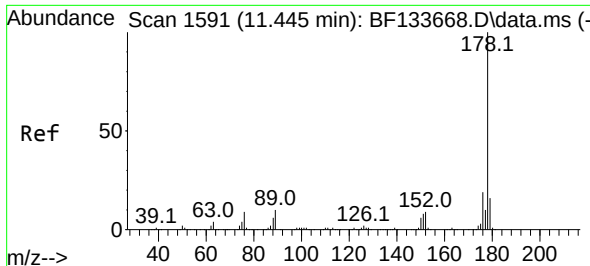
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#71
Phenanthrene
Concen: 9.668 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

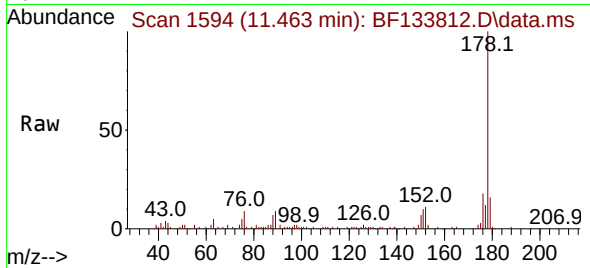
Tgt Ion:178 Resp: 119486
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 2.366 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

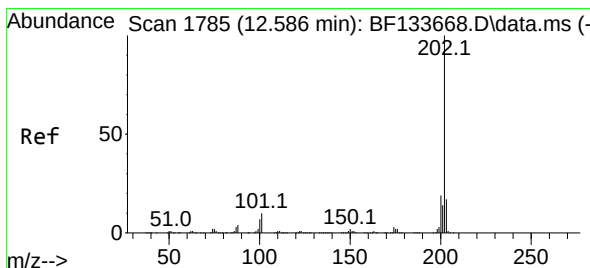
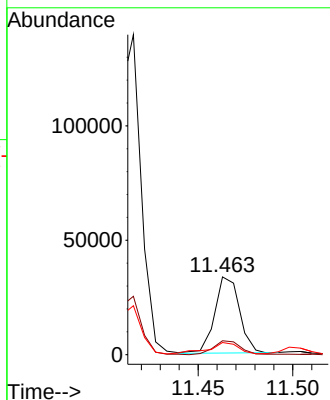
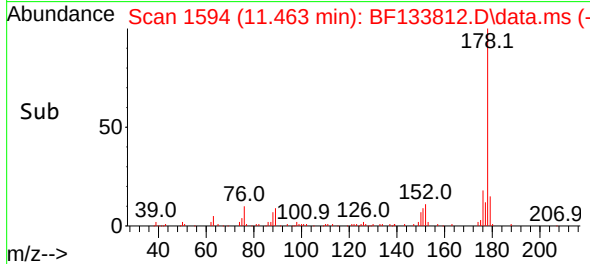
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04



Tgt Ion:178 Resp: 30485
 Ion Ratio Lower Upper
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 176 18.0 15.1 22.7
 179 15.6 12.6 18.8

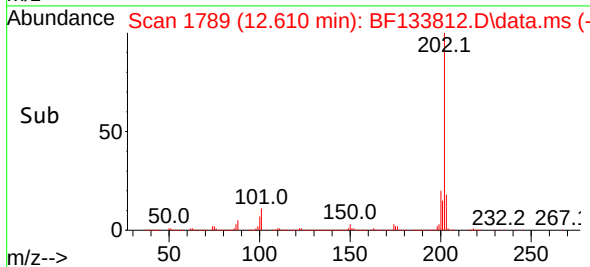
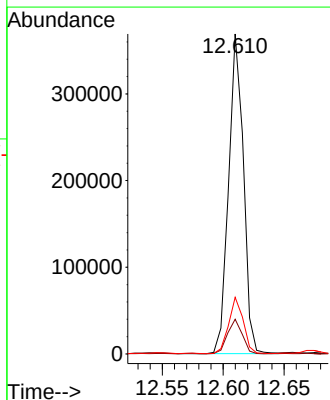
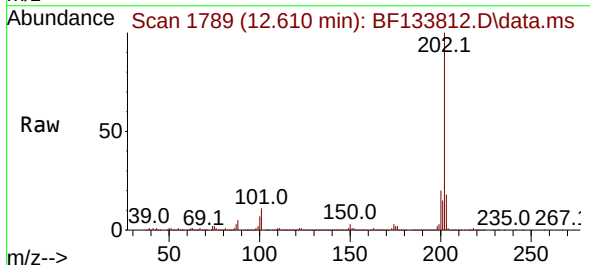
Manual Integrations
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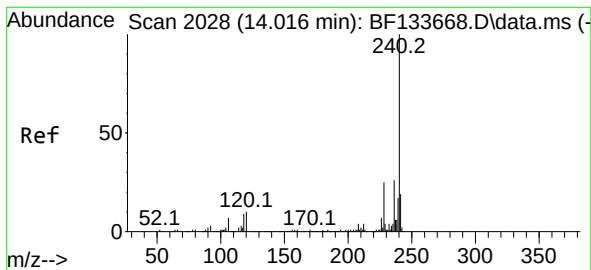
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#75
 Fluoranthene
 Concen: 23.784 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

Tgt Ion:202 Resp: 312138
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.6
 203 17.7 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

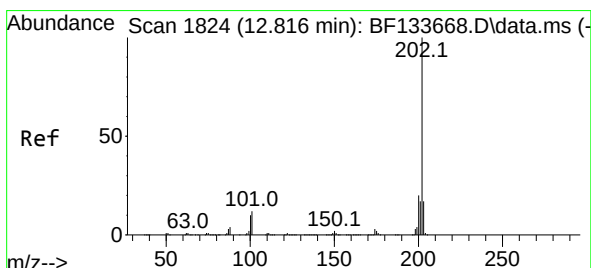
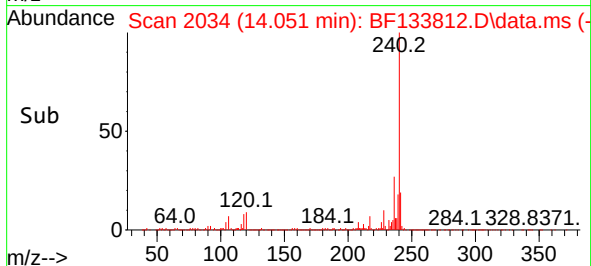
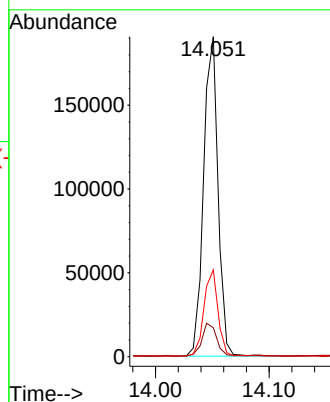
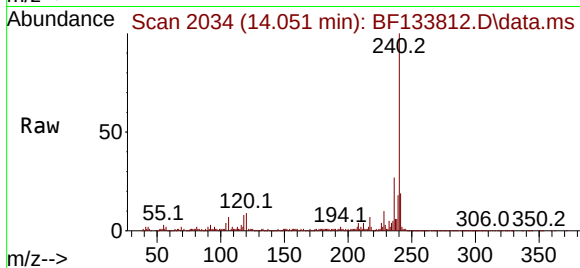
COMPOSIT-SB-04

Tgt Ion:240 Resp: 16829
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 27.1 20.5 30.7

Manual Integrations

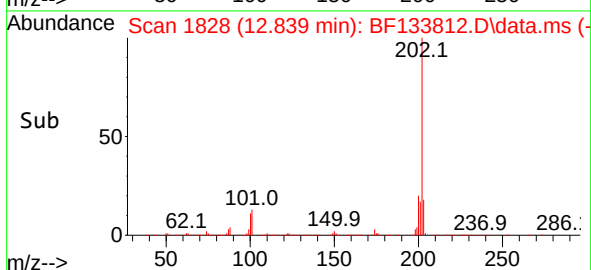
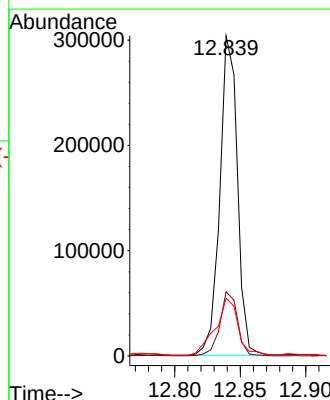
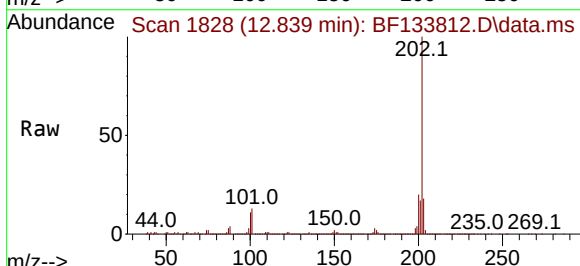
APPROVED

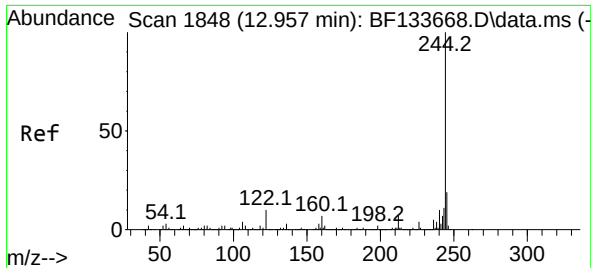
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#78
Pyrene
Concen: 18.019 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:202 Resp: 282495
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 18.1 13.9 20.9





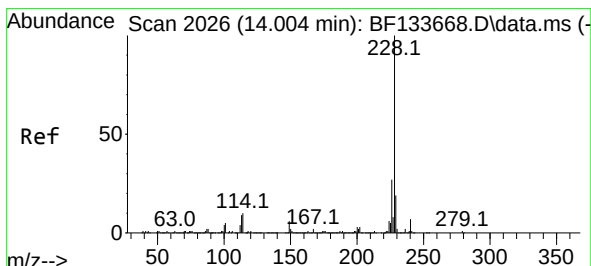
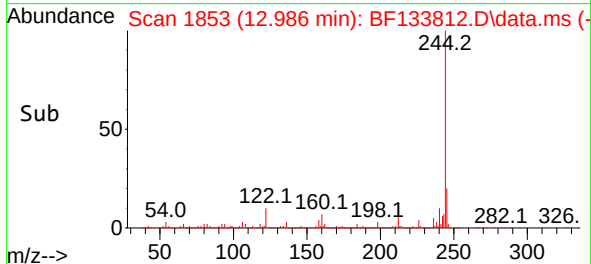
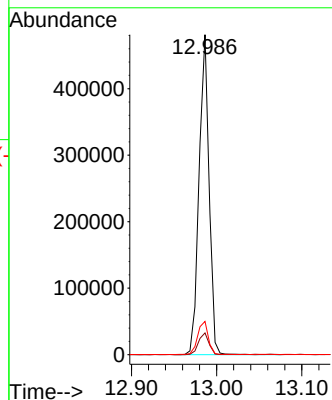
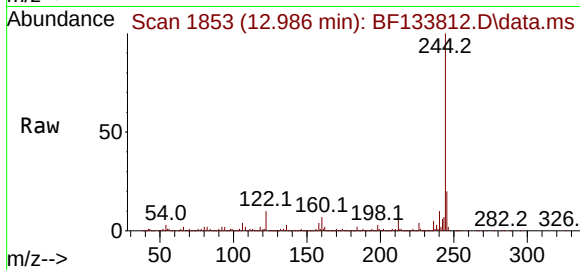
#79
 Terphenyl-d14
 Concen: 36.230 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

Tgt Ion:244 Resp: 394058
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.4 8.1 12.1

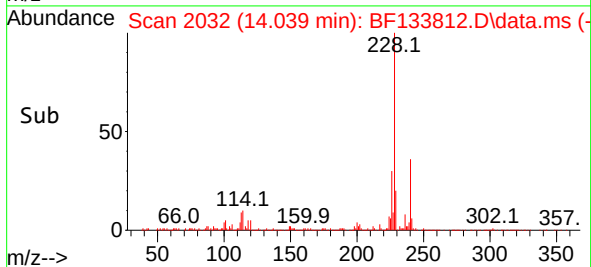
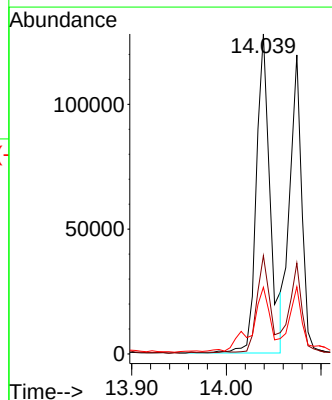
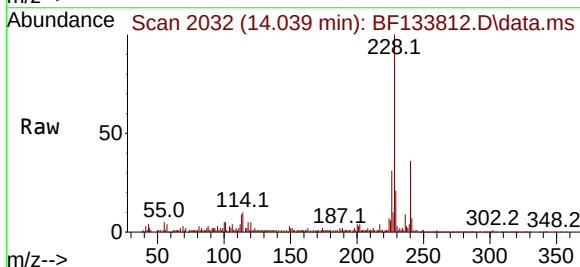
Manual Integrations
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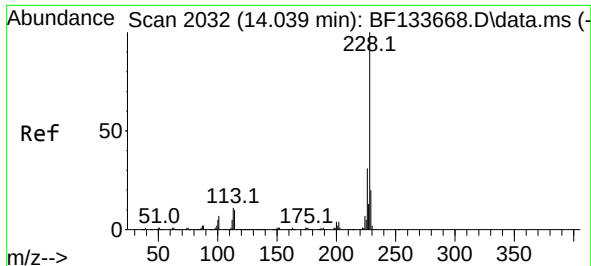
Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023



#81
 Benzo(a)anthracene
 Concen: 11.141 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

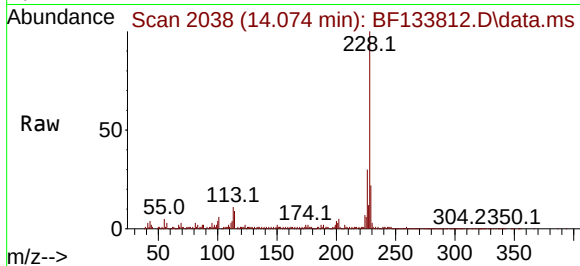
Tgt Ion:228 Resp: 129693
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.7 32.5
 229 20.9 15.4 23.2





#83
Chrysene
Concen: 9.457 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

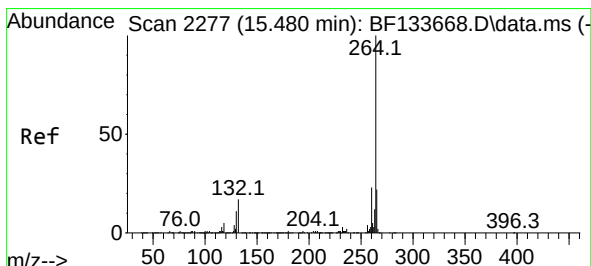
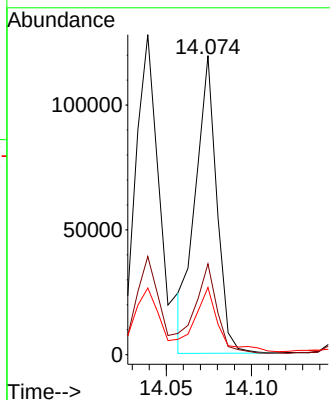
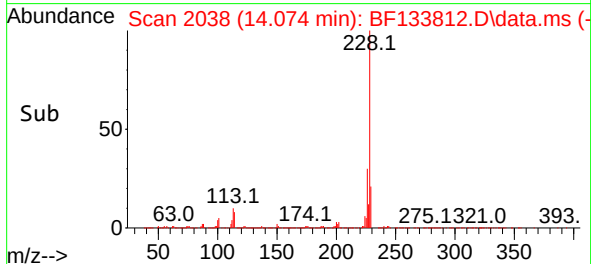
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04



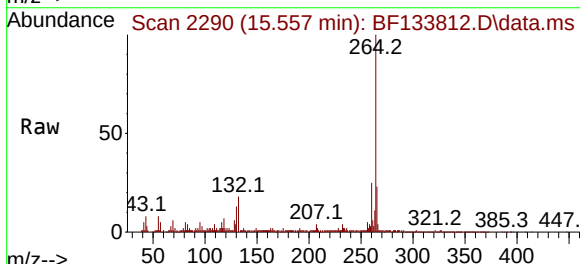
Tgt Ion:228 Resp: 104127
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.5 15.8 23.8

Manual Integrations
APPROVED

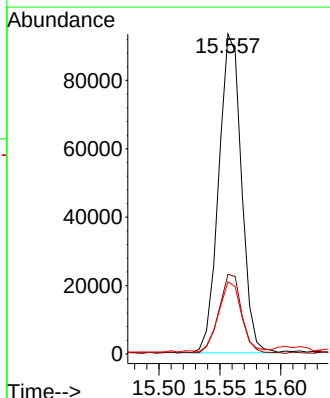
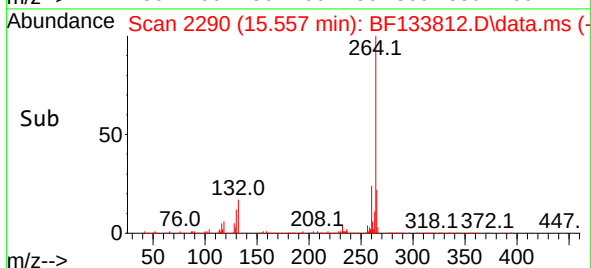
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

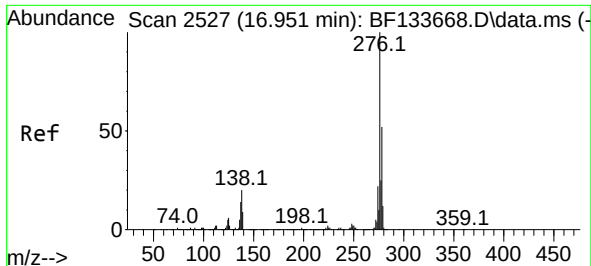


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03



Tgt Ion:264 Resp: 120999
Ion Ratio Lower Upper
264 100
260 24.9 18.2 27.2
265 22.6 17.8 26.6





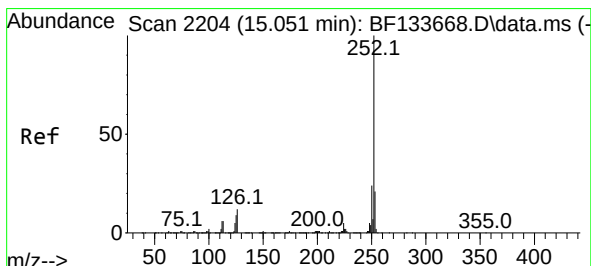
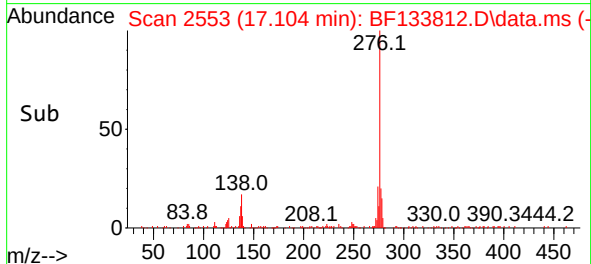
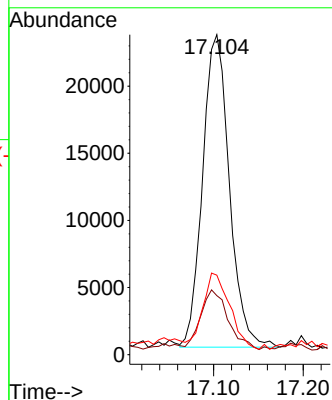
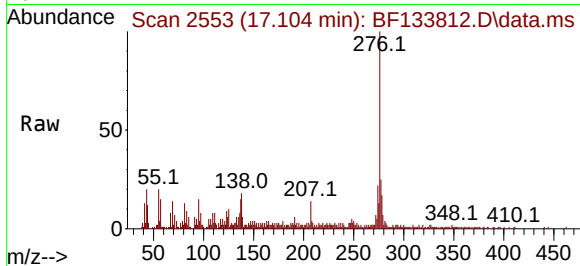
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.794 ng
RT: 17.104 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

Tgt Ion:276 Resp: 48229
Ion Ratio Lower Upper
276 100
138 19.6 17.9 26.9
277 24.6 20.3 30.5

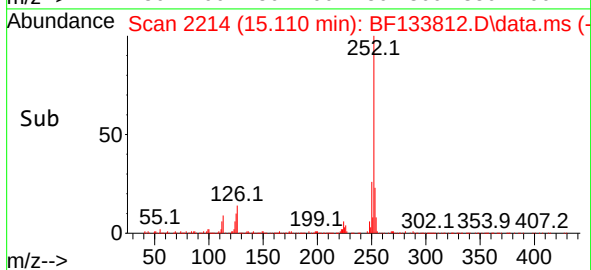
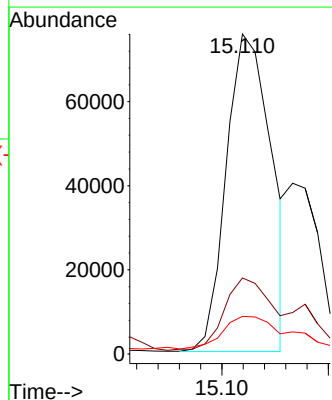
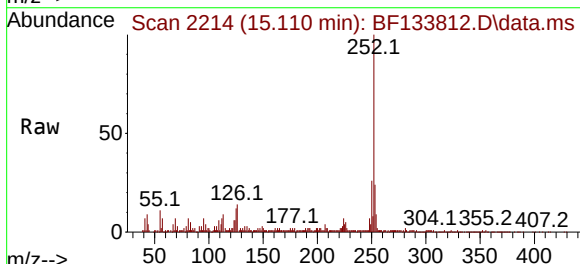
Manual Integrations
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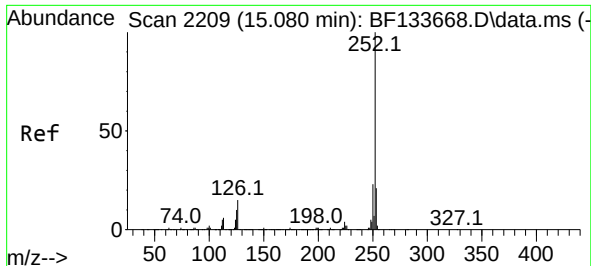
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#88
Benzo(b)fluoranthene
Concen: 15.114 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:252 Resp: 111094
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 11.7 7.3 10.9#





#89
Benzo(k)fluoranthene
Concen: 5.764 ng m
RT: 15.133 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

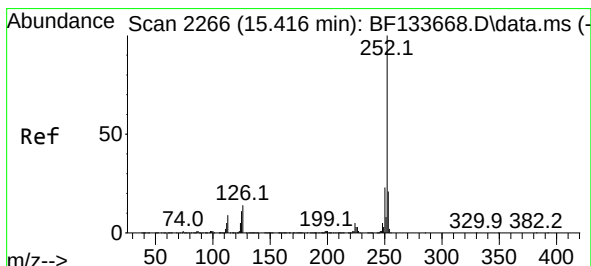
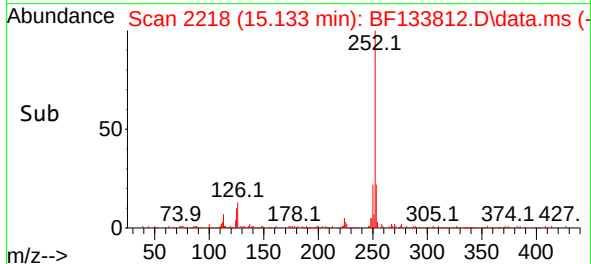
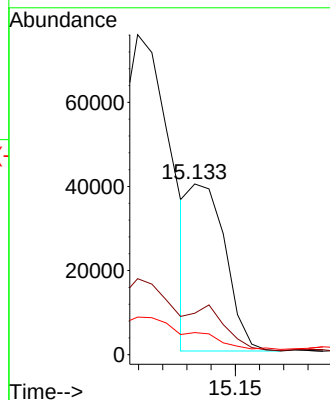
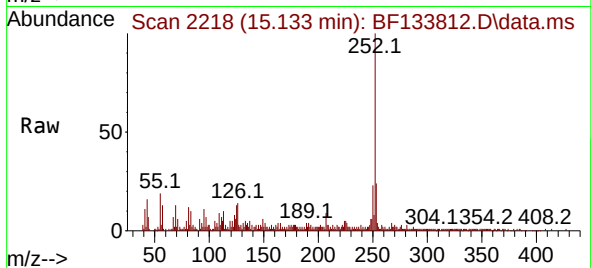
COMPOSIT-SB-04

Tgt Ion:252 Resp: 41272
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.4
125 12.9 7.8 11.6

Manual Integrations

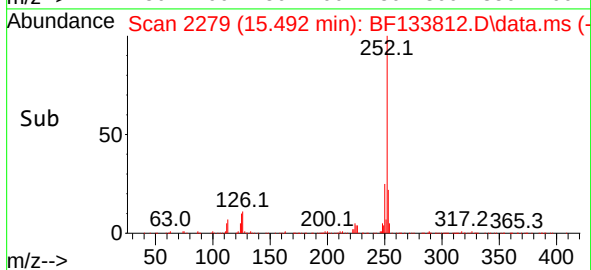
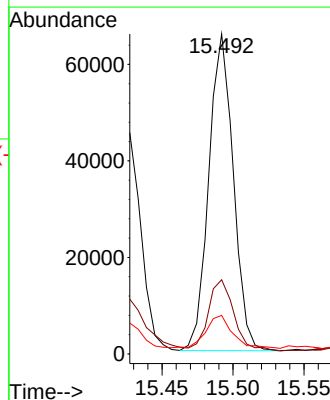
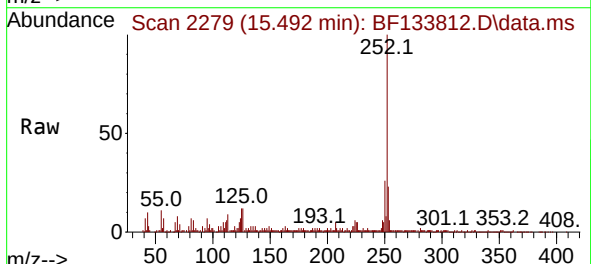
APPROVED

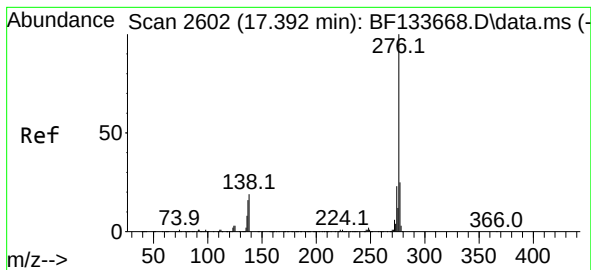
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#90
Benzo(a)pyrene
Concen: 11.549 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

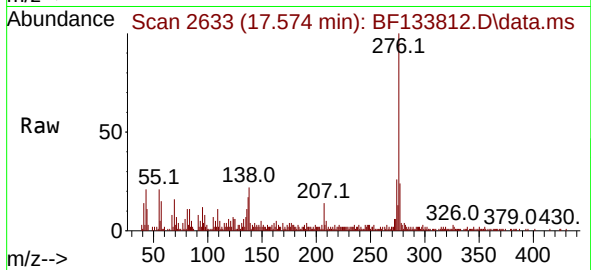
Tgt Ion:252 Resp: 78783
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 12.0 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.884 ng
 RT: 17.574 min Scan# 2633
 Delta R.T. -0.018 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04



Tgt Ion: 276 Resp: 4704

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	22.3	15.0	22.4

Manual Integrations
 APPROVED

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

