

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133810.D
 Acq On : 16 Jun 2023 16:58
 Operator : CG\JU
 Sample : 03222-13 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 17:36:23 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	96192	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	349470	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	169131	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	292800	20.000	ng	0.00
76) Chrysene-d12	14.045	240	188236	20.000	ng	0.00
86) Perylene-d12	15.557	264	132277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	292958	53.020	ng	0.00
7) Phenol-d6	6.492	99	349316	48.569	ng	0.00
23) Nitrobenzene-d5	7.422	82	219416	34.197	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	90529	42.286	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	430072	36.147	ng	0.00
79) Terphenyl-d14	12.986	244	405732	33.352	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	87260	5.874	ng	99
75) Fluoranthene	12.610	202	194530	12.331	ng	99
78) Pyrene	12.839	202	204551	11.665	ng	98
81) Benzo(a)anthracene	14.039	228	90895	6.981	ng	95
83) Chrysene	14.074	228	86897	7.056	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	35859	3.940	ng	98
88) Benzo(b)fluoranthene	15.110	252	93658m	11.656	ng	
89) Benzo(k)fluoranthene	15.139	252	30358m	3.878	ng	
90) Benzo(a)pyrene	15.492	252	57822	7.754	ng	98
92) Benzo(g,h,i)perylene	17.568	276	34253	4.586	ng #	88

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

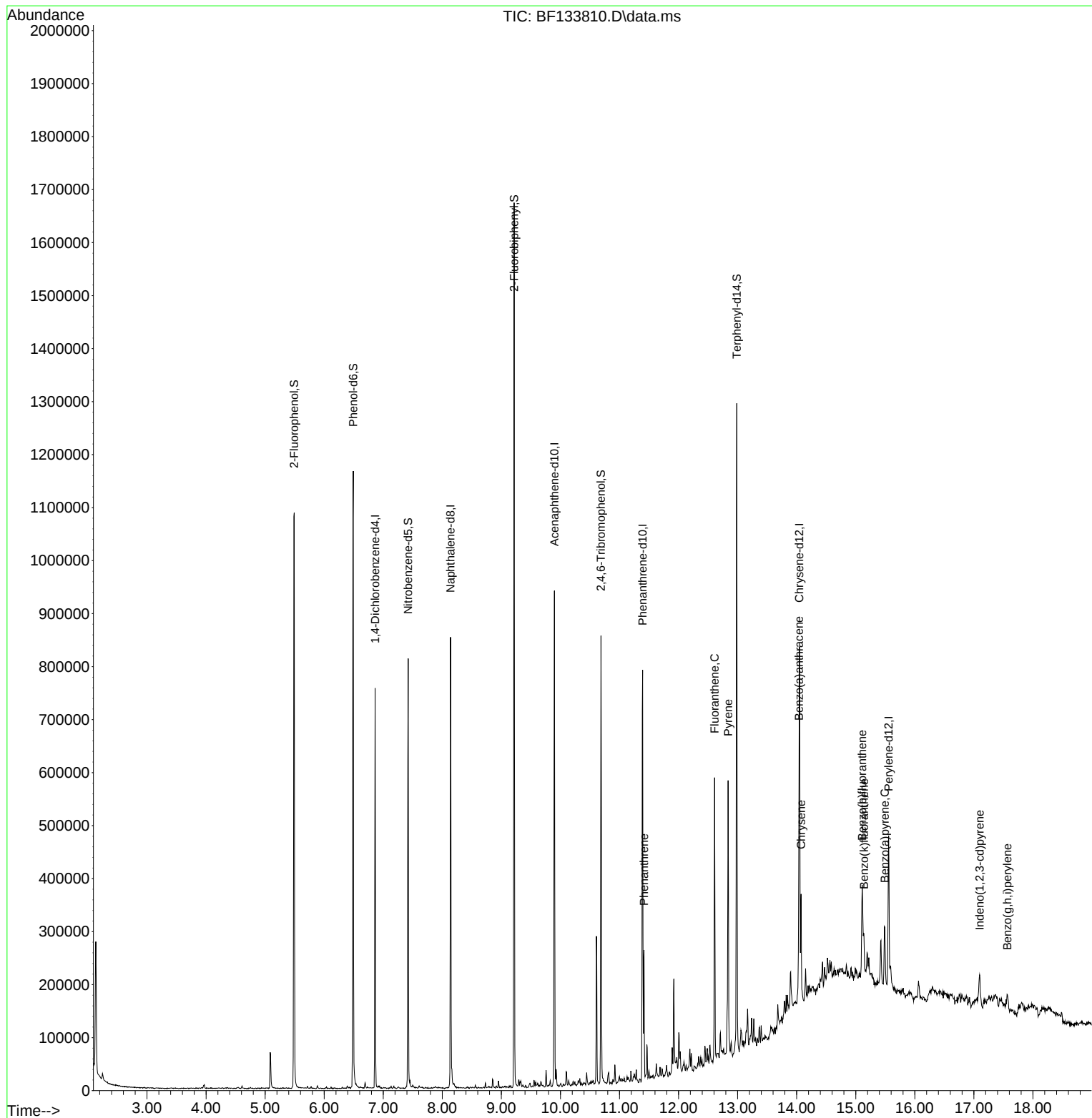
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133810.D
Acq On : 16 Jun 2023 16:58
Operator : CG\JU
Sample : 03222-13 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

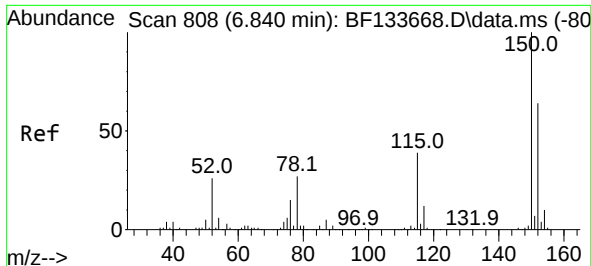
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Quant Time: Jun 16 17:36:23 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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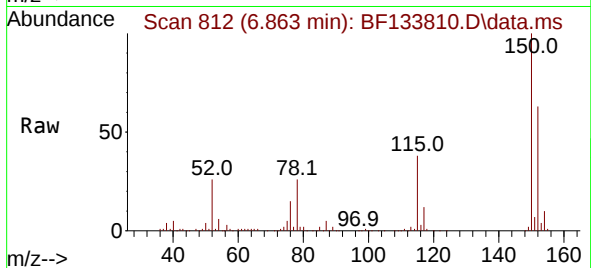
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

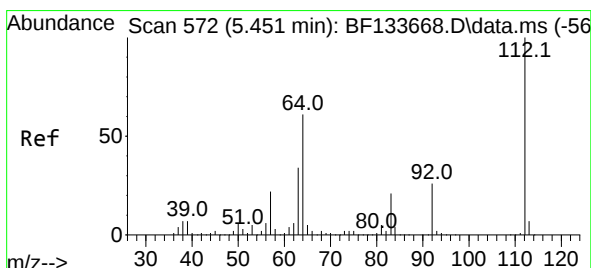
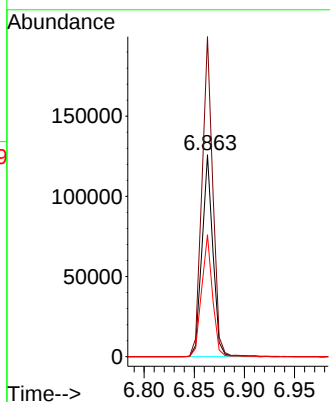
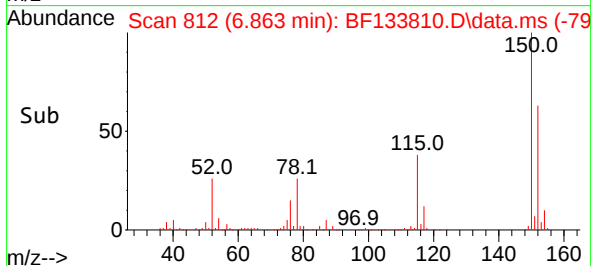
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



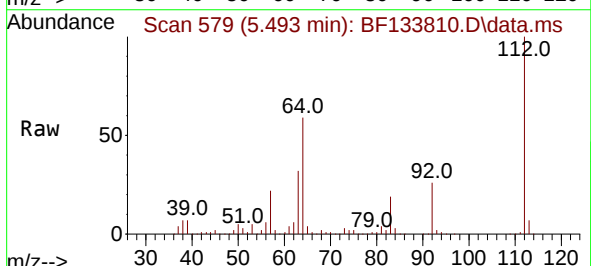
Tgt Ion:152 Resp: 96192
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 60.4 48.5 72.7

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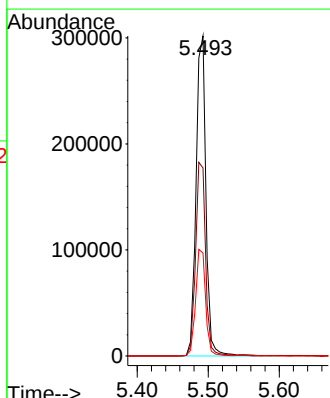
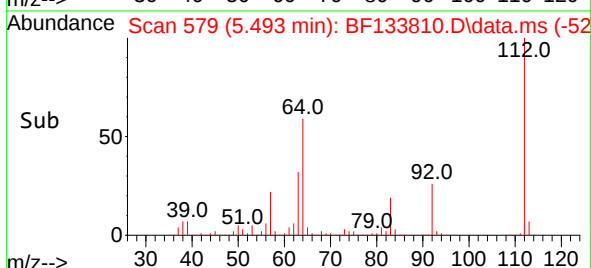
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

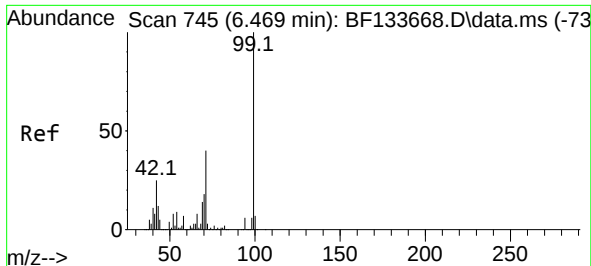


#5
2-Fluorophenol
Concen: 53.020 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58



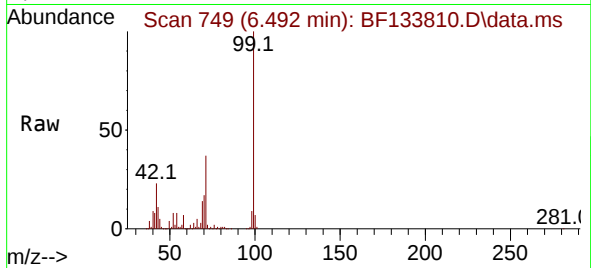
Tgt Ion:112 Resp: 292958
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 32.2 26.8 40.2





#7
Phenol-d6
Concen: 48.569 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

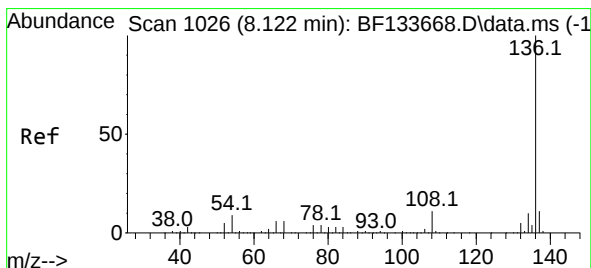
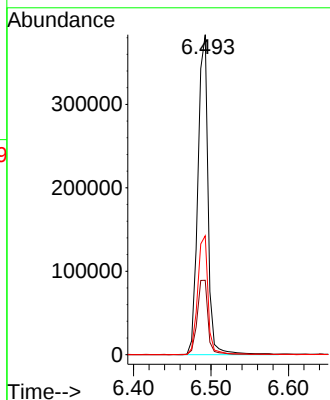
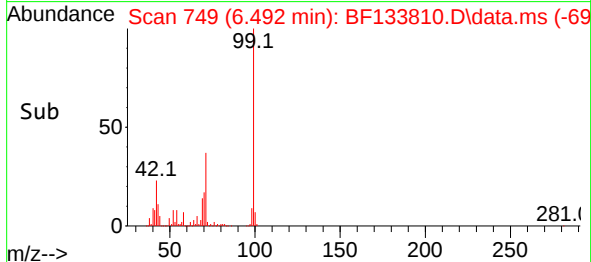
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



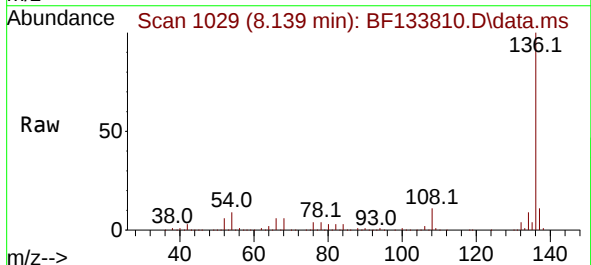
Tgt Ion: 99 Resp: 349310
Ion Ratio Lower Upper
99 100
42 23.3 19.9 29.9
71 37.2 32.2 48.4

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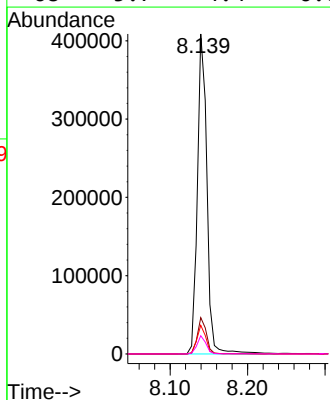
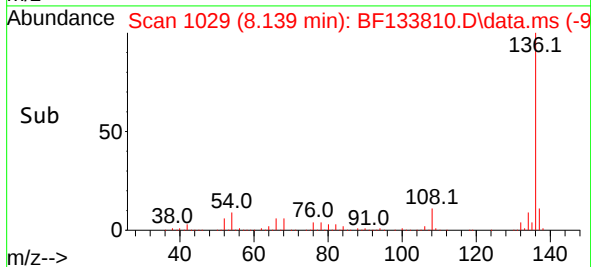
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

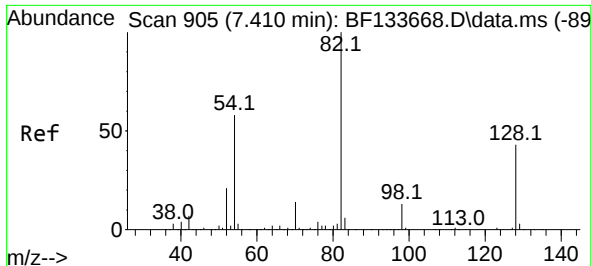


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58



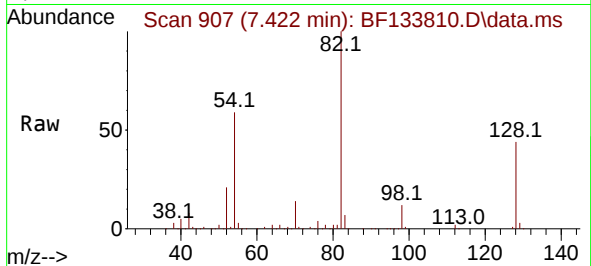
Tgt Ion:136 Resp: 349470
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.0 7.4 11.0
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 34.197 ng
RT: 7.422 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

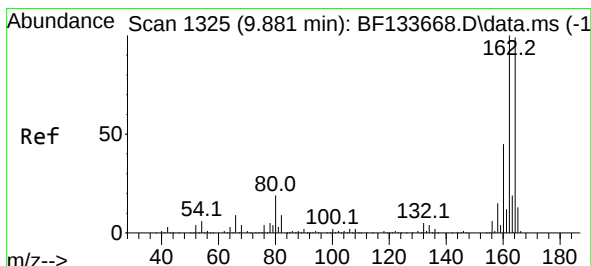
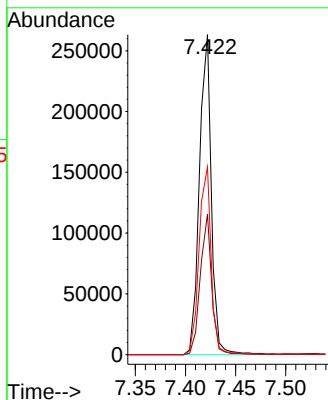
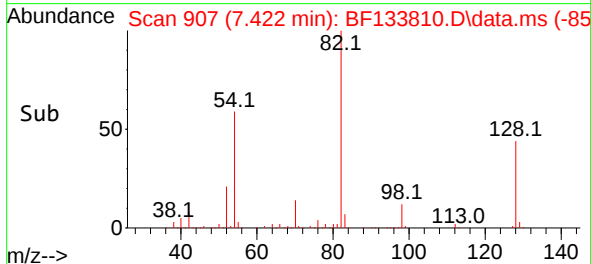
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



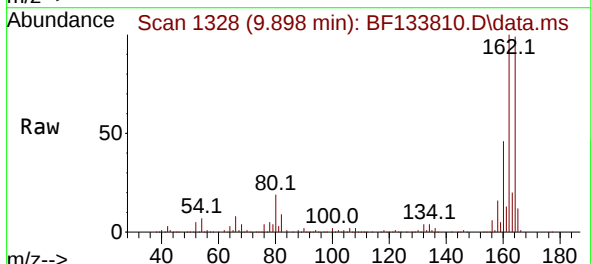
Tgt Ion: 82 Resp: 219410
Ion Ratio Lower Upper
82 100
128 43.9 34.2 51.2
54 58.7 46.5 69.7

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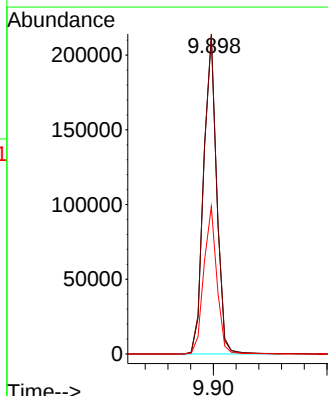
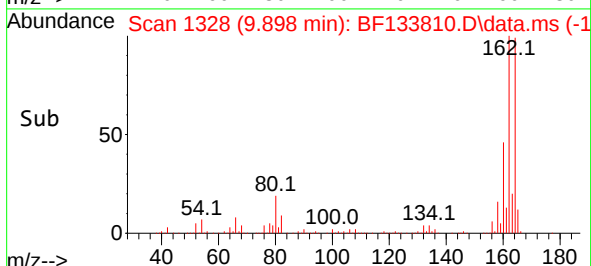
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

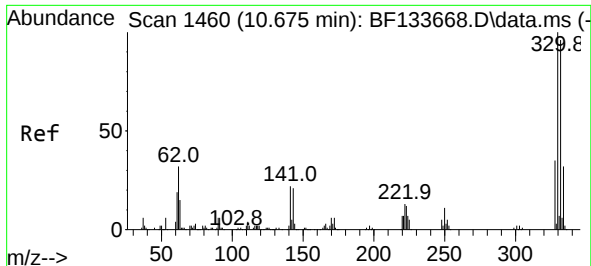


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58



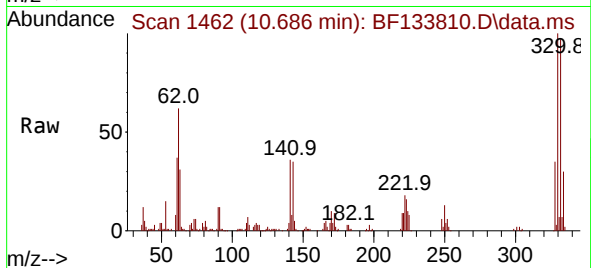
Tgt Ion:164 Resp: 169131
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 46.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 42.286 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

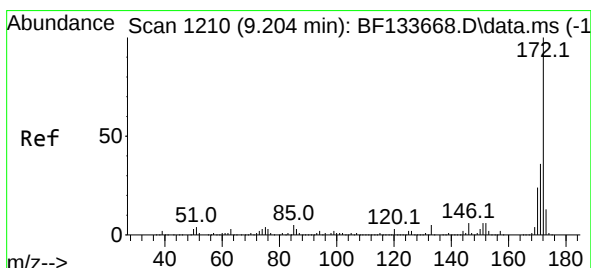
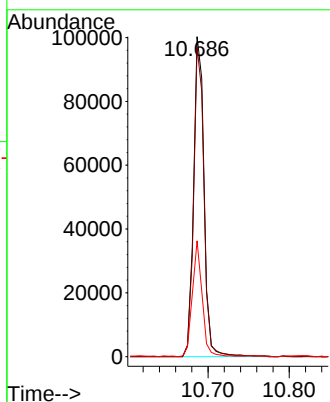
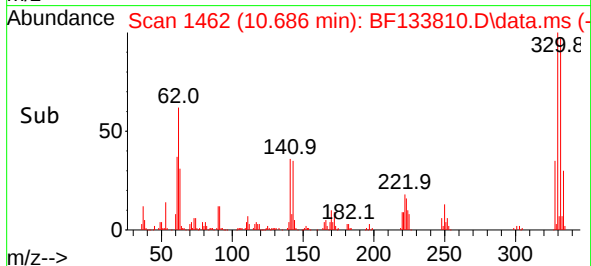
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



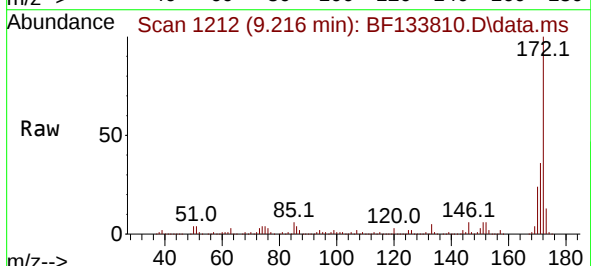
Tgt Ion: 330 Resp: 90529
Ion Ratio Lower Upper
330 100
332 95.5 77.2 115.8
141 34.1 24.9 37.3

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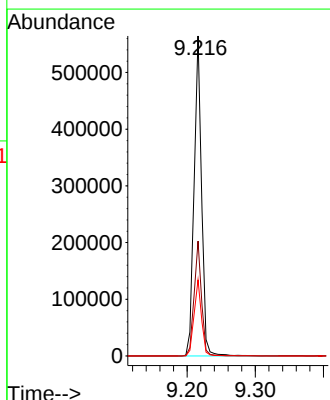
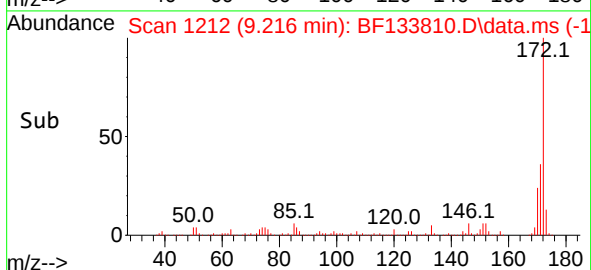
Reviewed By : Yogesh Patel 06/19/2023
Supervised By : mohammad ahmed 06/20/2023

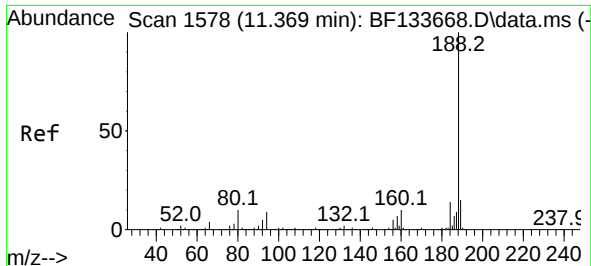


#45
2-Fluorobiphenyl
Concen: 36.147 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58



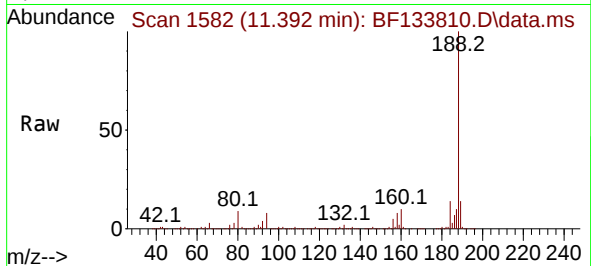
Tgt Ion: 172 Resp: 430072
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

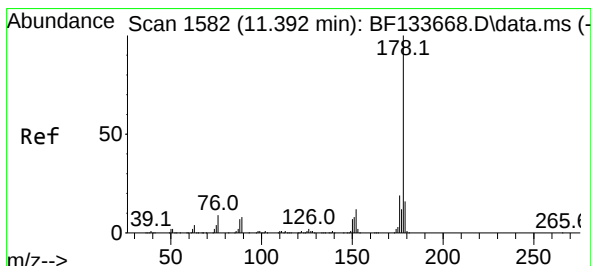
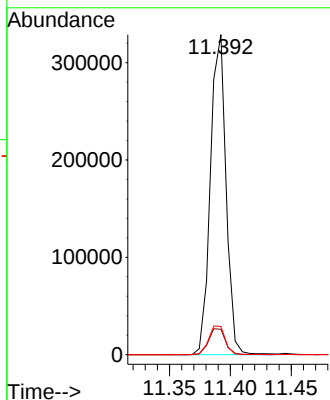
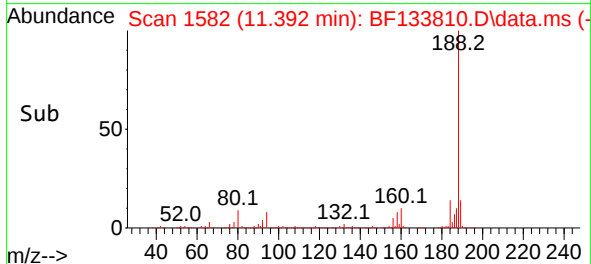
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



Tgt Ion:188 Resp: 292800
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.8 7.8 11.6

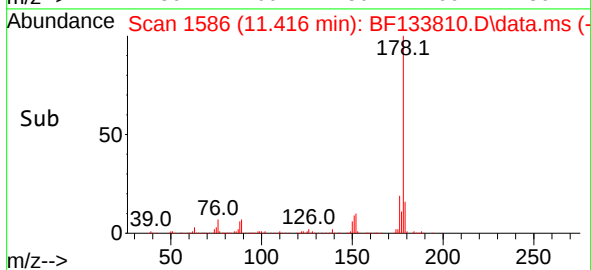
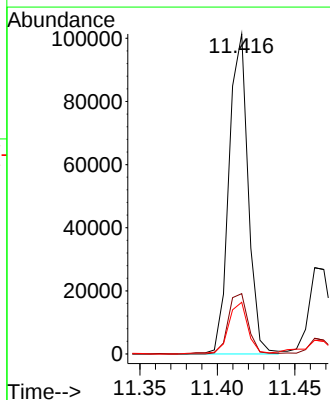
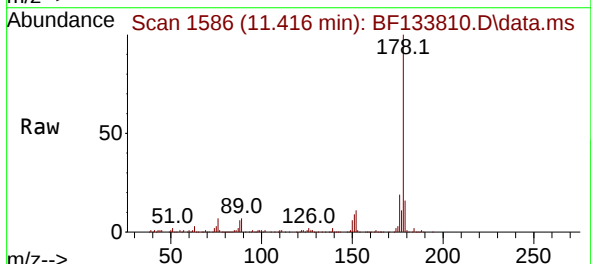
Manual Integrations
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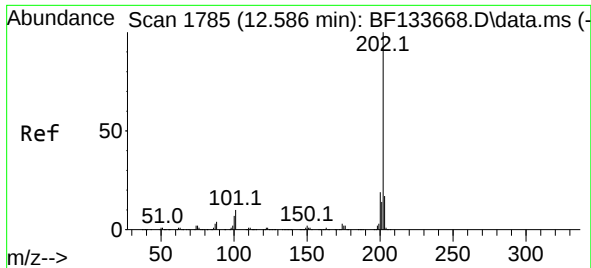
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#71
Phenanthrene
Concen: 5.874 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

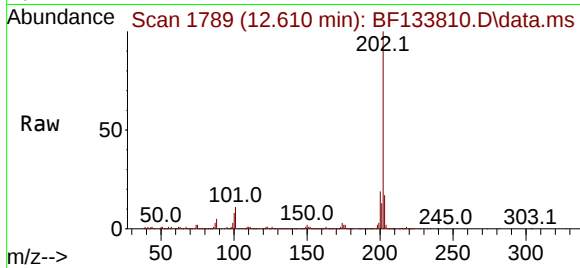
Tgt Ion:178 Resp: 87260
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.2 12.4 18.6





#75
Fluoranthene
Concen: 12.331 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

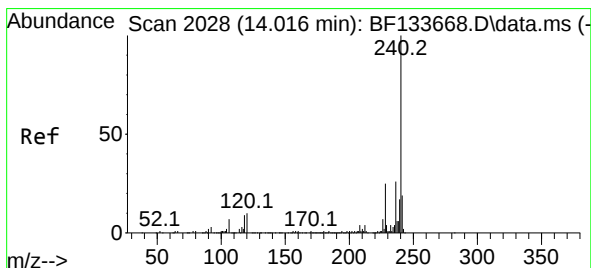
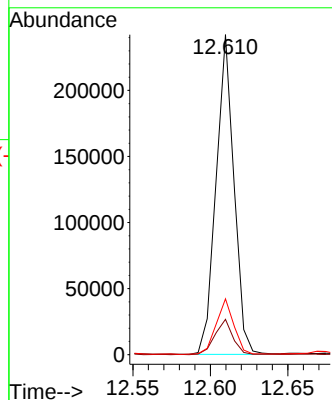
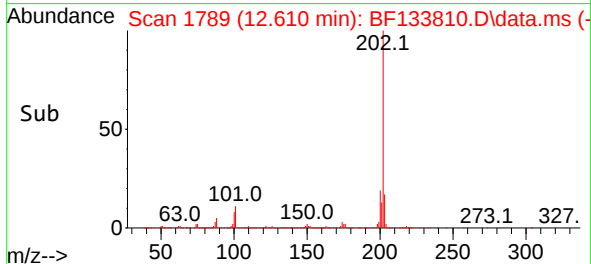
Instrument :
BNA_F
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COMPOSITE-SB-06



Tgt Ion:202 Resp: 194530
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.6
203 17.4 0.0 37.4

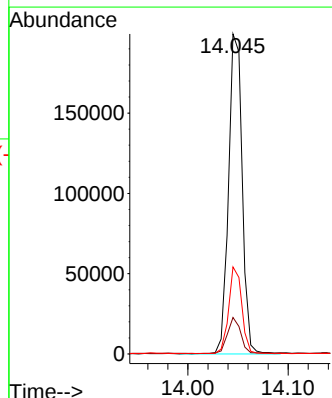
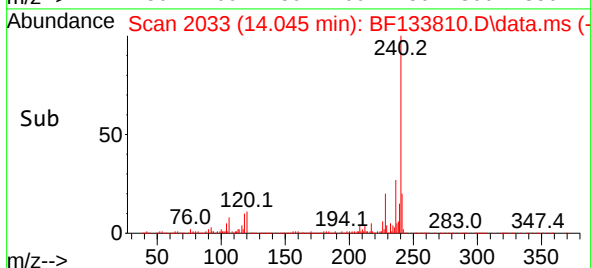
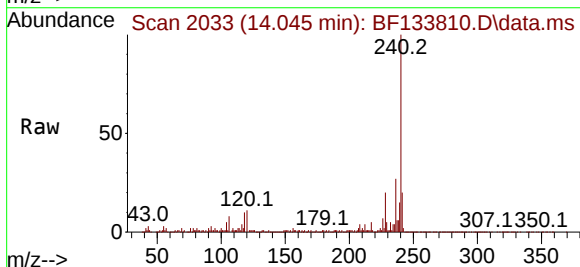
Manual Integrations
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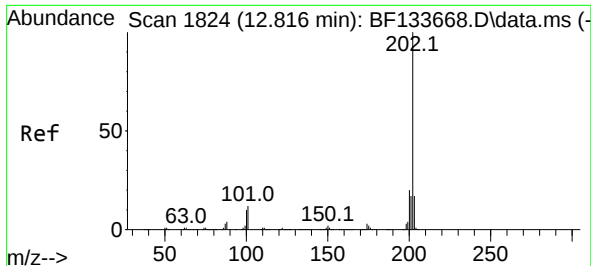
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

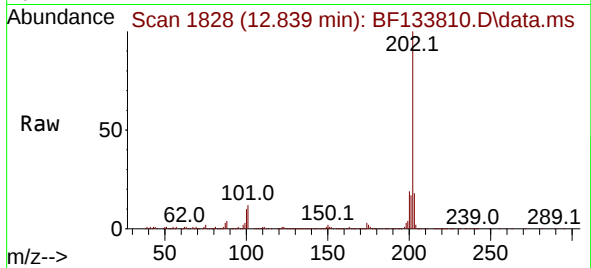
Tgt Ion:240 Resp: 188236
Ion Ratio Lower Upper
240 100
120 11.4 8.1 12.1
236 27.2 20.5 30.7





#78
Pyrene
Concen: 11.665 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

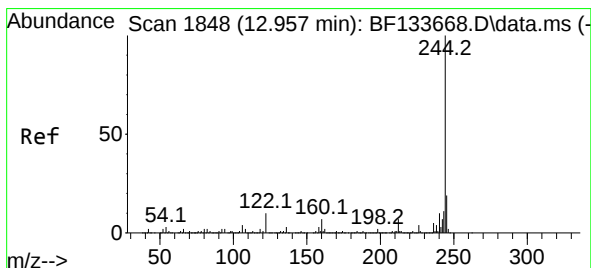
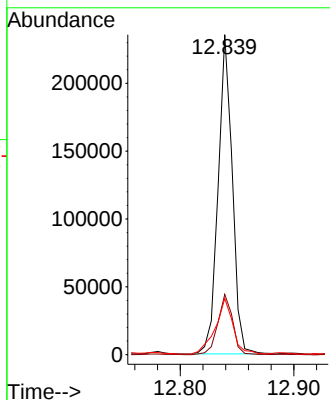
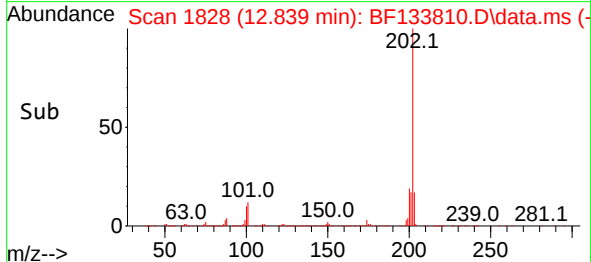
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



Tgt Ion:202 Resp: 20455
Ion Ratio Lower Upper
202 100
200 18.9 16.2 24.2
203 17.6 13.9 20.9

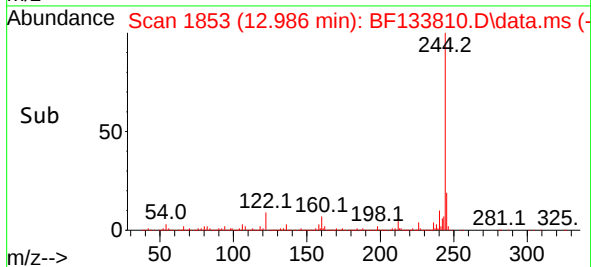
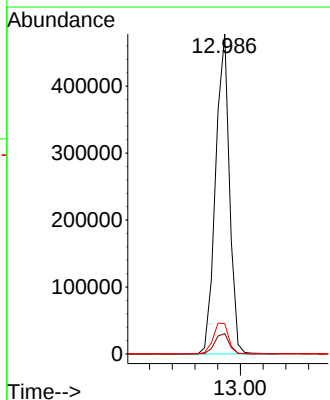
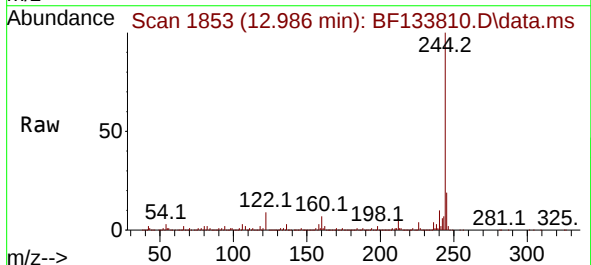
Manual Integrations
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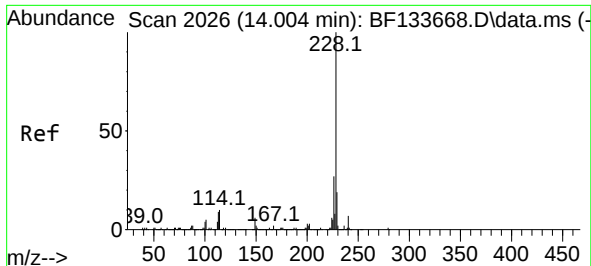
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#79
Terphenyl-d14
Concen: 33.352 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:244 Resp: 405732
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 9.5 8.1 12.1





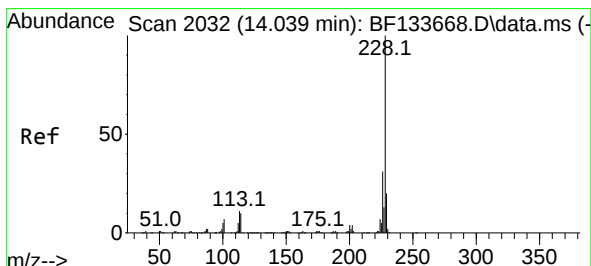
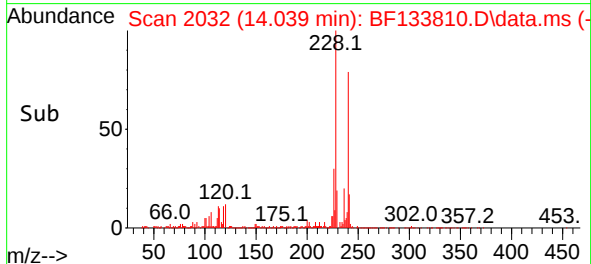
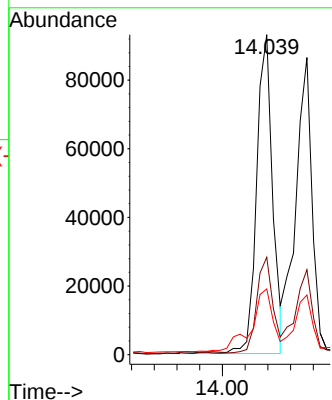
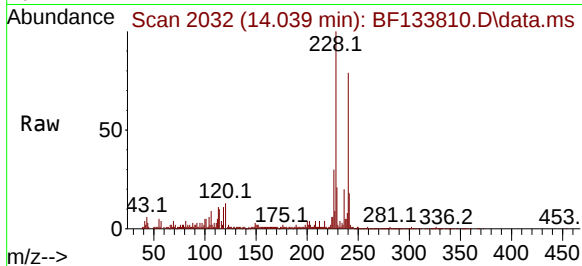
#81
Benzo(a)anthracene
Concen: 6.981 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion:228 Resp: 9089
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 20.6 15.4 23.2

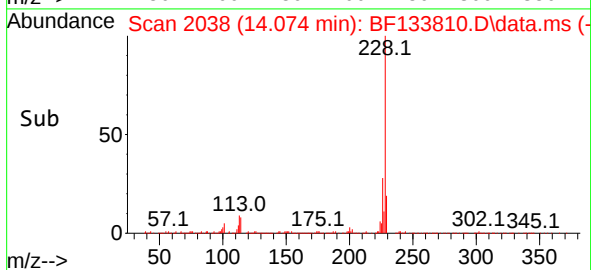
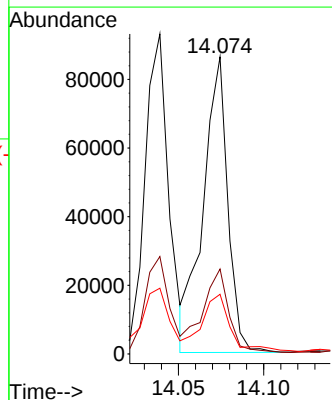
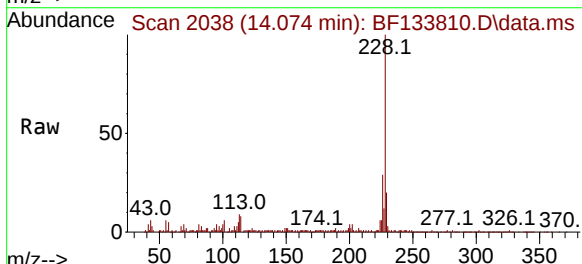
Manual Integrations
APPROVED

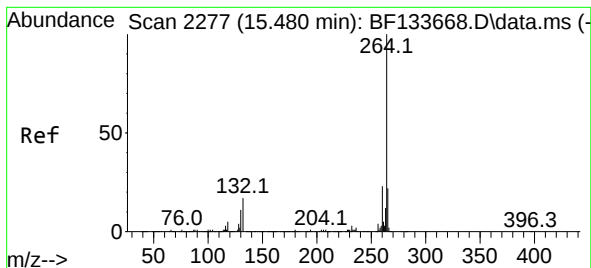
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#83
Chrysene
Concen: 7.056 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:228 Resp: 86897
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.6
229 20.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

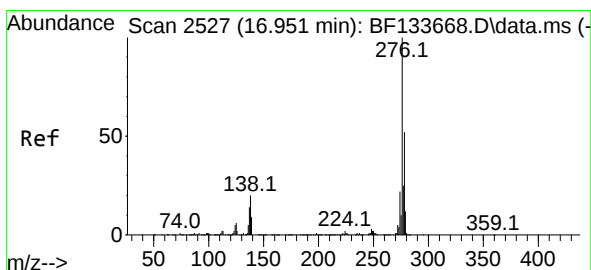
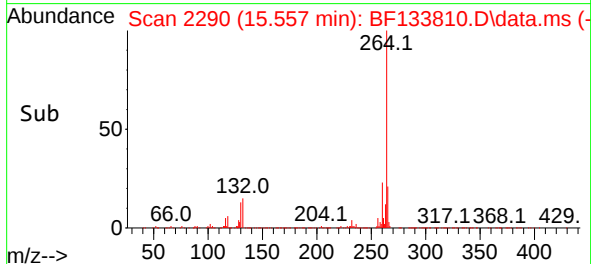
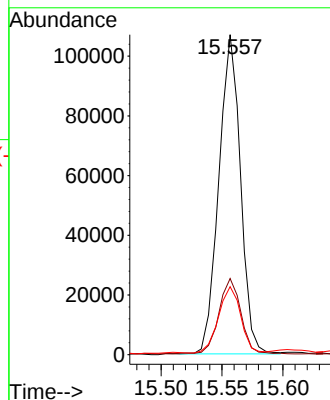
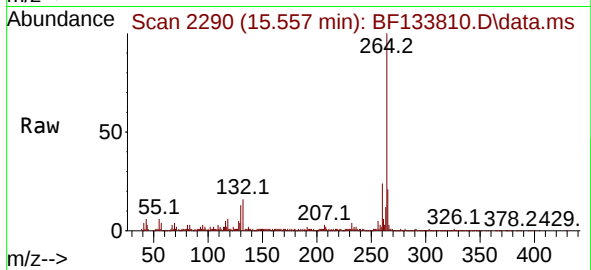
Tgt Ion:264 Resp: 13227
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 21.2 17.8 26.6

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: 3.940 ng

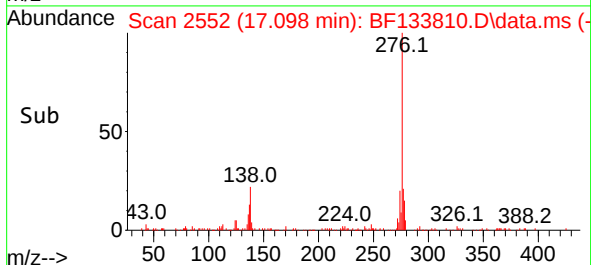
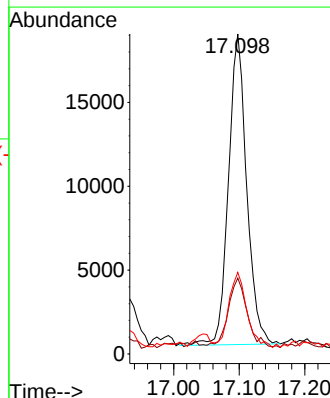
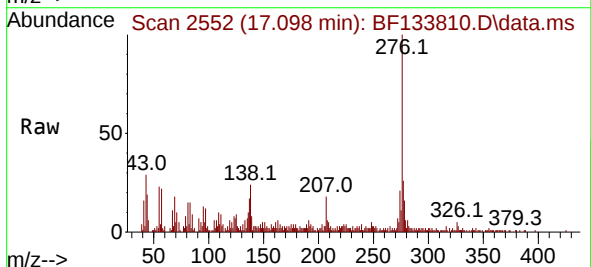
RT: 17.098 min Scan# 2552

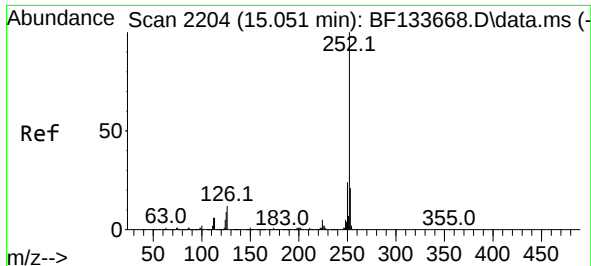
Delta R.T. -0.018 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Tgt Ion:276 Resp: 35859
 Ion Ratio Lower Upper
 276 100
 138 22.9 17.9 26.9
 277 23.9 20.3 30.5





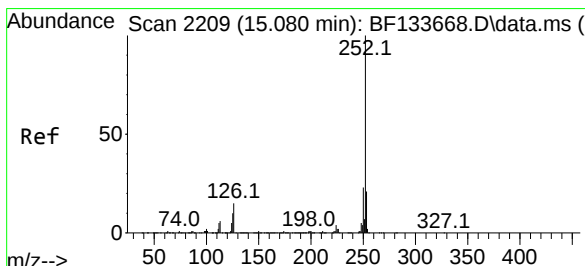
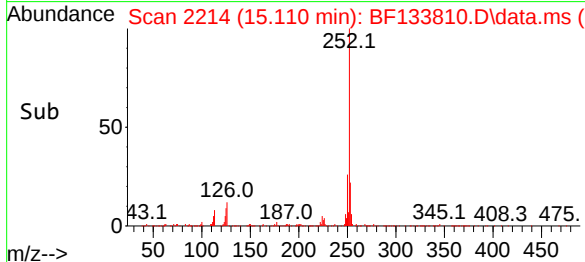
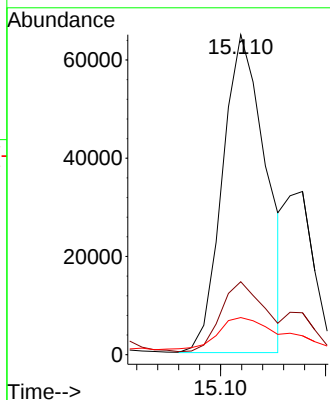
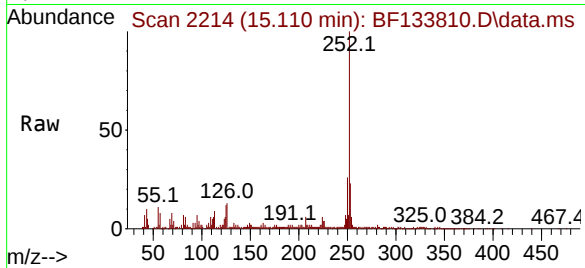
#88
Benzo(b)fluoranthene
Concen: 11.656 ng m
RT: 15.110 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion:252 Resp: 93658
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 11.6 7.3 10.9

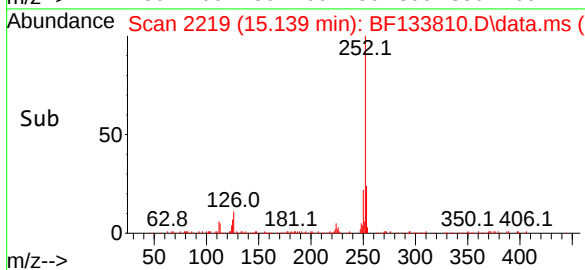
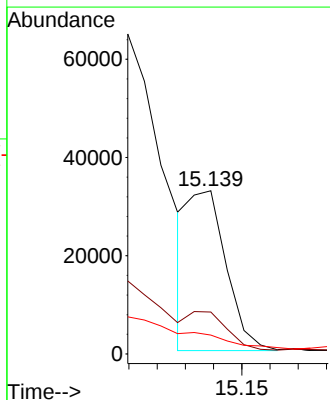
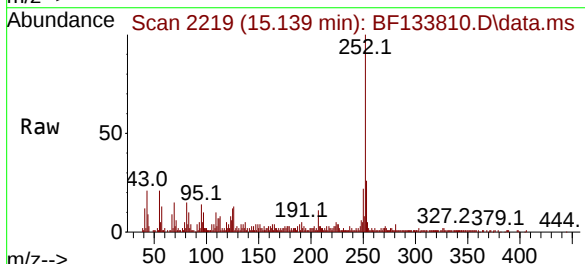
Manual Integrations
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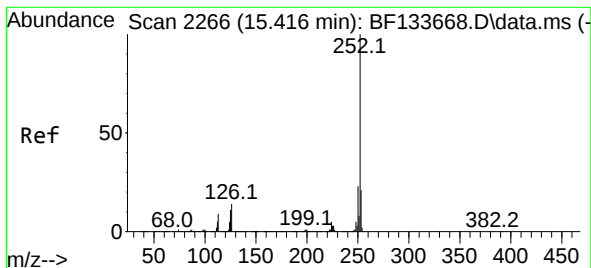
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.878 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:252 Resp: 30358
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.4#
125 11.5 7.8 11.6





#90

Benzo(a)pyrene

Concen: 7.754 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Instrument :

BNF

ClientSampleId :

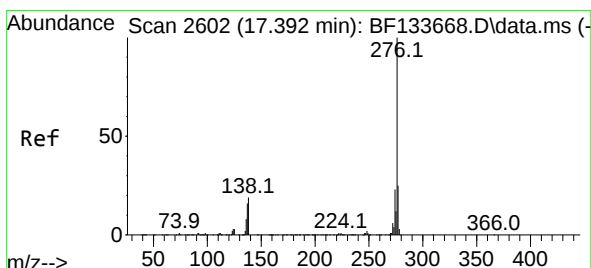
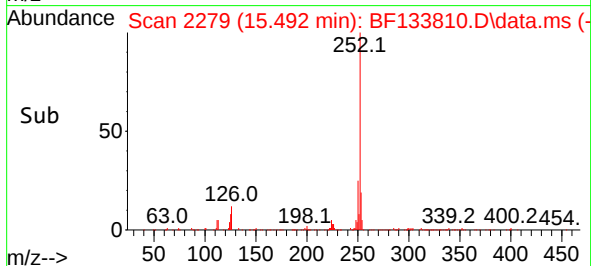
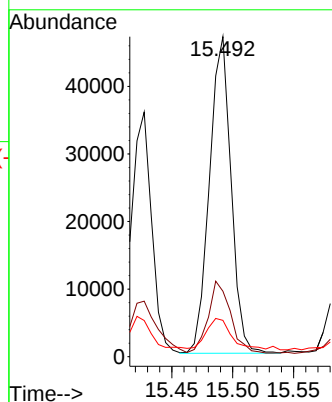
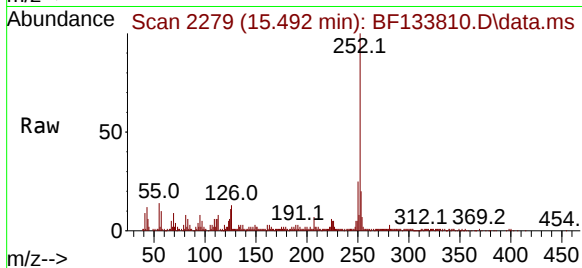
COMPOSITE-SB-06

Tgt Ion:252 Resp: 5782
 Ion Ratio Lower Upper
 252 100
 253 20.4 17.1 25.7
 125 11.4 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: 4.586 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.023 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Tgt Ion:276 Resp: 34253
 Ion Ratio Lower Upper
 276 100
 277 29.6 19.8 29.8
 138 25.9 15.0 22.4#

