

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133951.D
 Acq On : 23 Jun 2023 19:48
 Operator : CG\JU
 Sample : 03363-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 23 23:11:51 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 23 02:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	98641	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	343436	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	143598	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	242127	20.000	ng	0.00
76) Chrysene-d12	14.051	240	159496	20.000	ng	0.00
86) Perylene-d12	15.568	264	128392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	604471	106.682	ng	0.00
7) Phenol-d6	6.498	99	713220	96.703	ng	0.00
23) Nitrobenzene-d5	7.422	82	449055	71.217	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	156419	86.054	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	748547	74.101	ng	0.00
79) Terphenyl-d14	12.992	244	659600	63.991	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	77992	6.349	ng	98
72) Anthracene	11.468	178	38591	3.013	ng	97
75) Fluoranthene	12.615	202	112334	8.611	ng	98
78) Pyrene	12.845	202	94150	6.337	ng	99
81) Benzo(a)anthracene	14.045	228	35934	3.257	ng	95
83) Chrysene	14.080	228	36691	3.516	ng	95
88) Benzo(b)fluoranthene	15.115	252	32678m	4.190	ng	
90) Benzo(a)pyrene	15.498	252	21310	2.944	ng	# 95

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

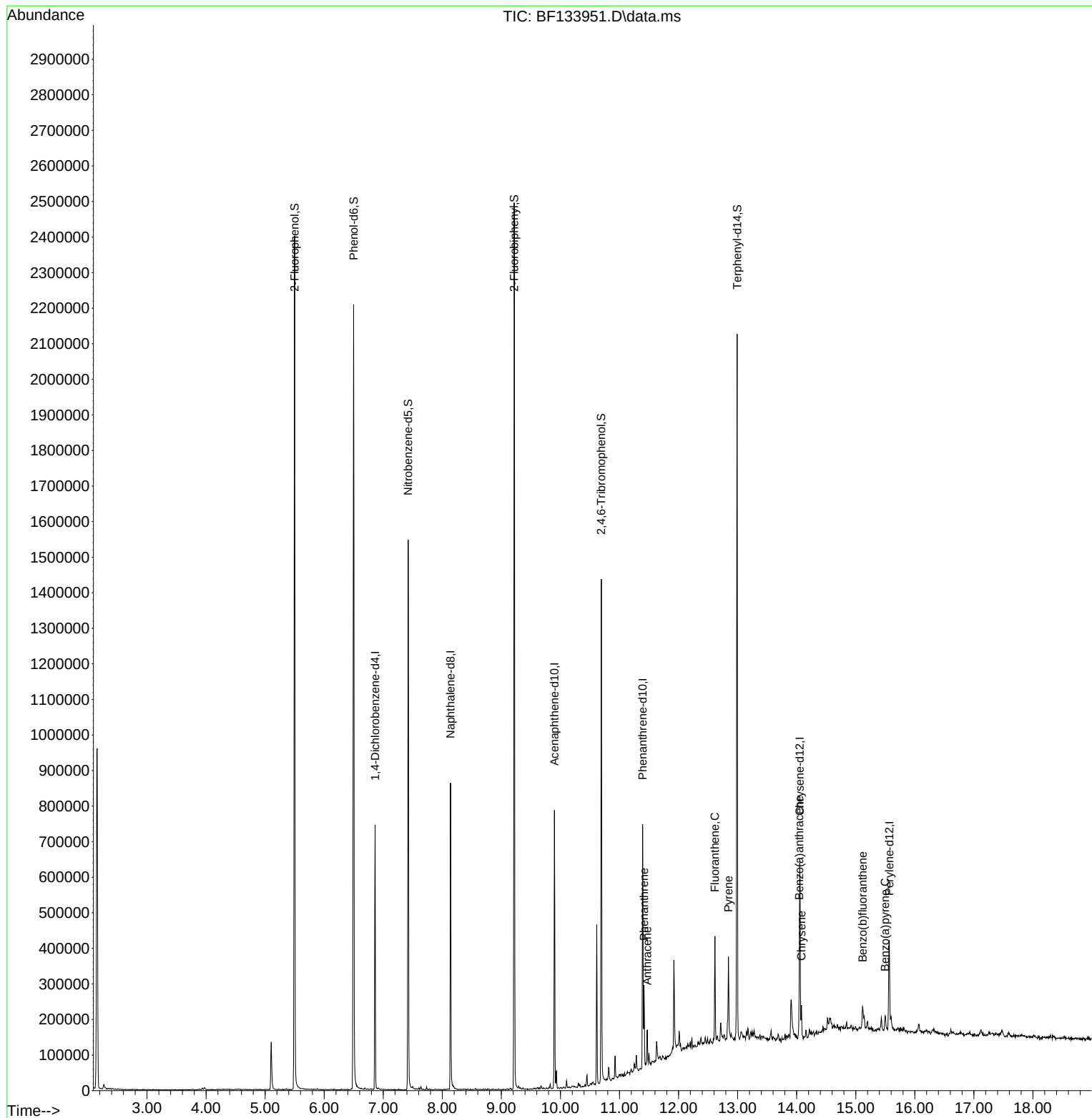
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133951.D
Acq On : 23 Jun 2023 19:48
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Misc :
ALS Vial : 22 Sample Multiplier: 1

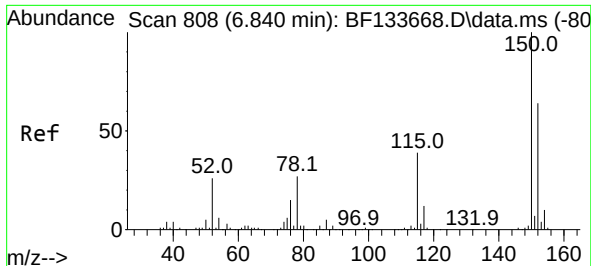
Instrument :
BNA_F
ClientSampleId :
SP

Quant Time: Jun 23 23:11:51 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 23 02:21:26 2023
Response via : Initial Calibration

Manual Integrations
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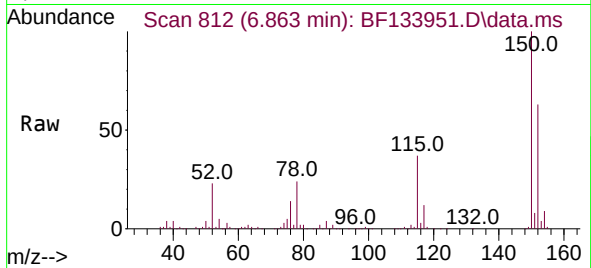
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

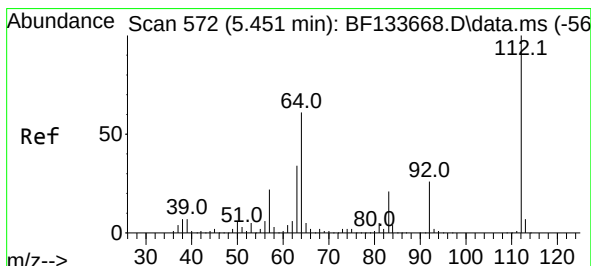
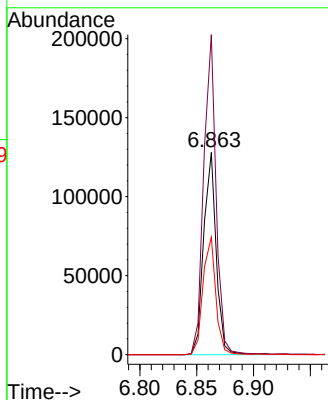
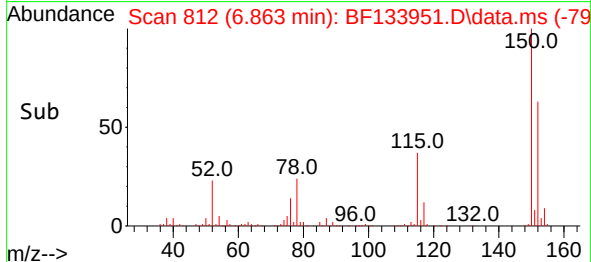
Instrument :
BNA_F
ClientSampleId :
SP



Tgt Ion:152 Resp: 9864
Ion Ratio Lower Upper
152 100
150 158.2 124.3 186.5
115 58.1 48.5 72.7

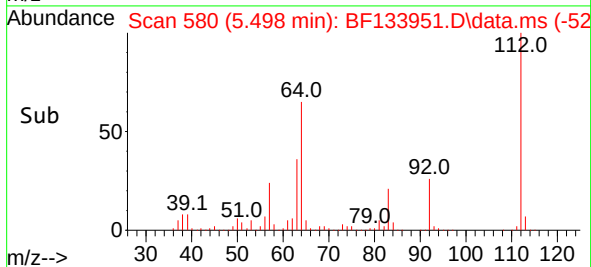
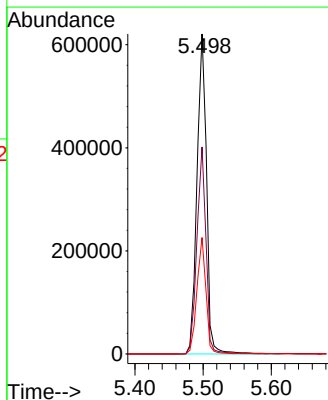
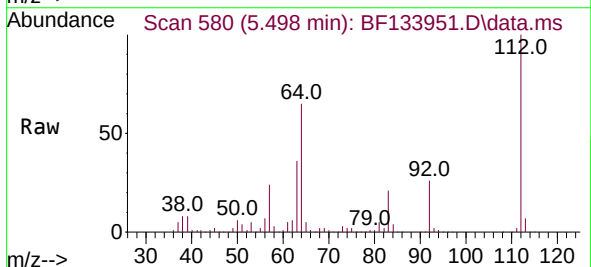
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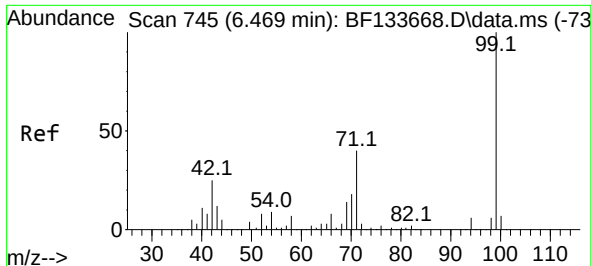
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 106.682 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:112 Resp: 604471
Ion Ratio Lower Upper
112 100
64 64.7 49.0 73.4
63 36.4 26.8 40.2





#7

Phenol-d6

Concen: 96.703 ng

RT: 6.498 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

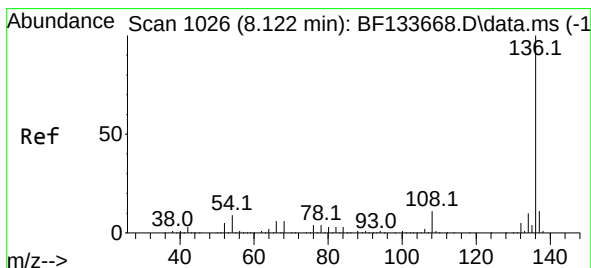
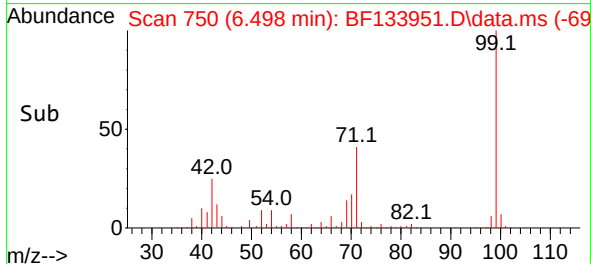
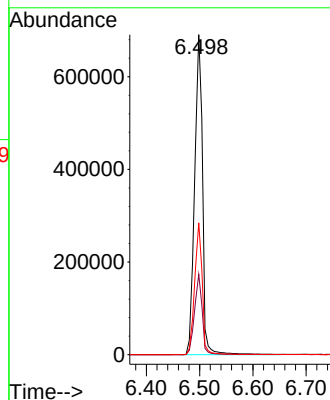
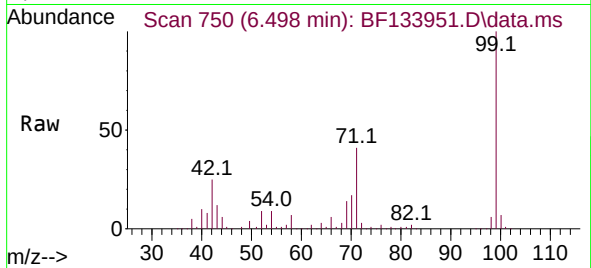
Tgt Ion: 99 Resp: 713220
 Ion Ratio Lower Upper
 99 100
 42 25.1 19.9 29.9
 71 41.2 32.2 48.4

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Supervised By :mohammad ahmed 06/27/2023



#21

Naphthalene-d8

Concen: 20.000 ng

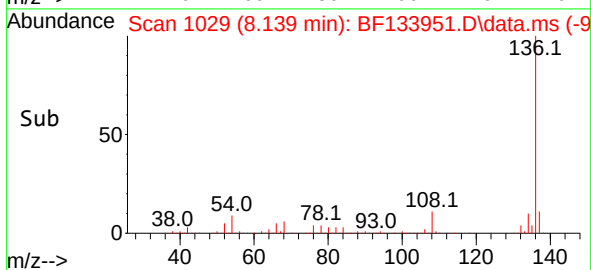
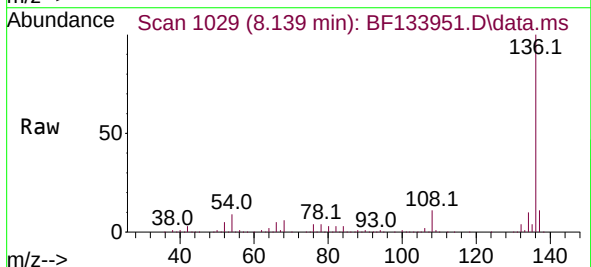
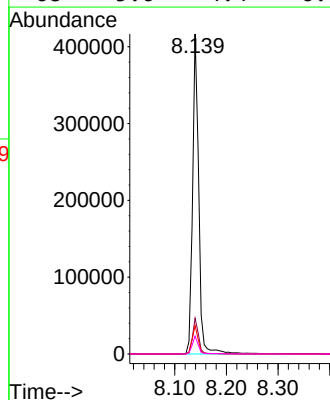
RT: 8.139 min Scan# 1029

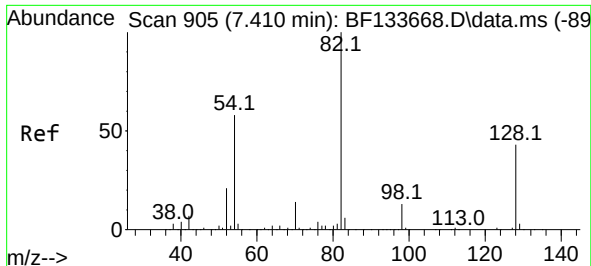
Delta R.T. 0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Tgt Ion:136 Resp: 343436
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.8 13.2
 54 8.9 7.4 11.0
 68 5.6 4.4 6.6





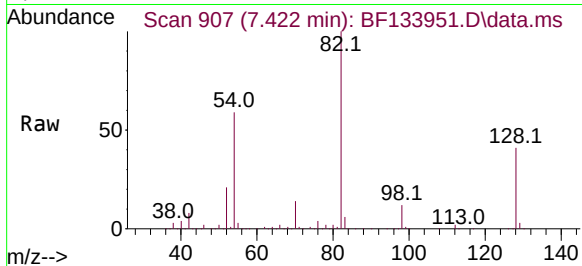
#23
Nitrobenzene-d5
Concen: 71.217 ng
RT: 7.422 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

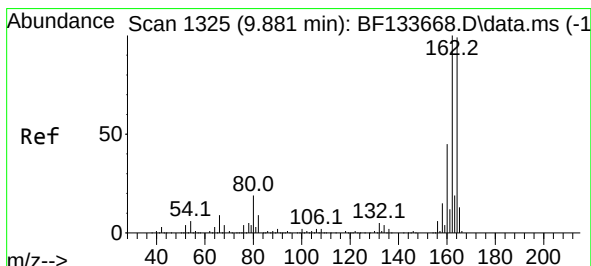
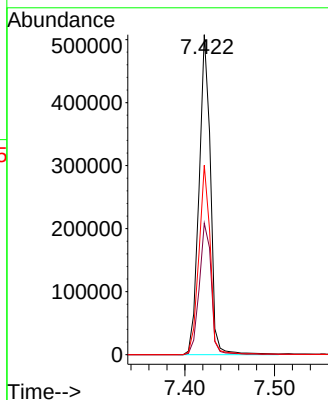
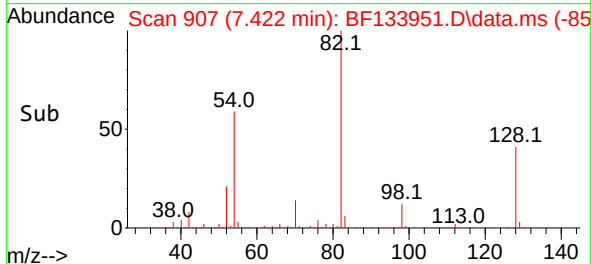


Tgt Ion: 82 Resp: 44905
Ion Ratio Lower Upper
82 100
128 41.1 34.2 51.2
54 59.2 46.5 69.7

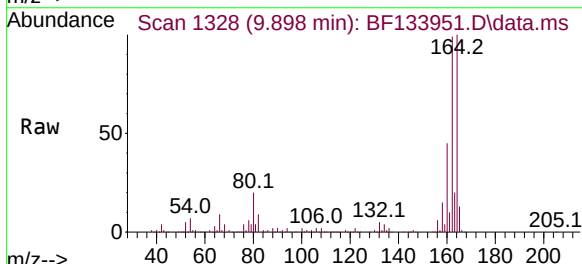
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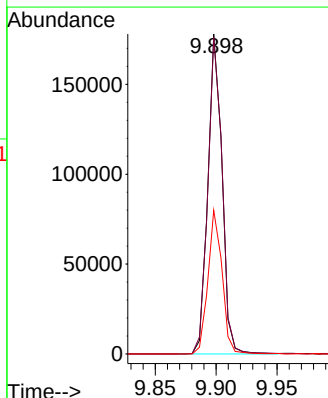
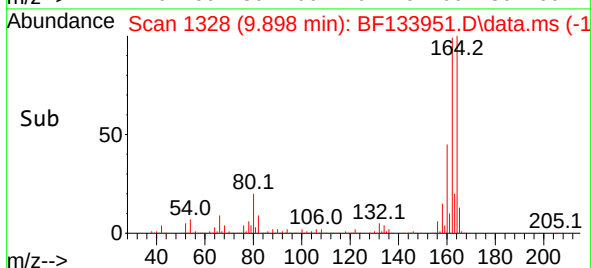
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

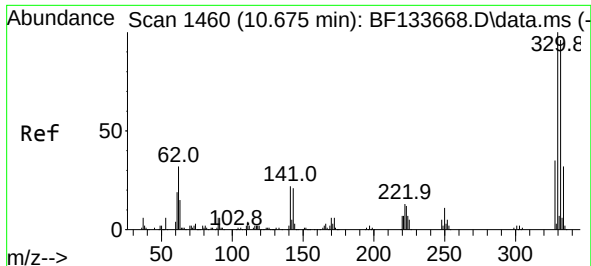


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48



Tgt Ion:164 Resp: 143598
Ion Ratio Lower Upper
164 100
162 98.9 80.8 121.2
160 44.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 86.054 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

Tgt Ion:330 Resp: 156419

Ion Ratio Lower Upper

330 100

332 98.5 77.2 115.8

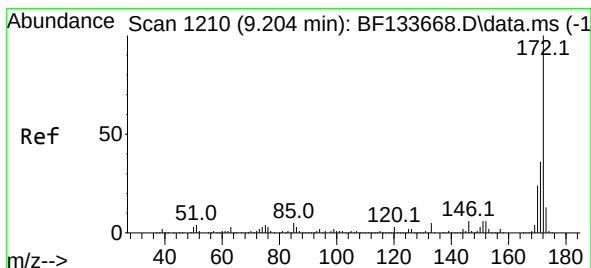
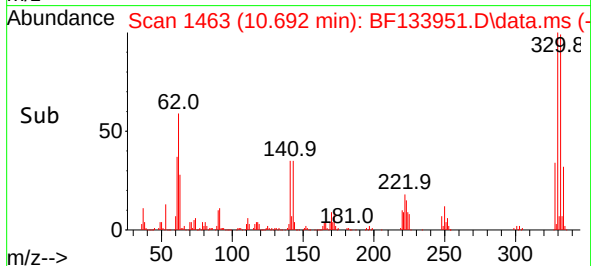
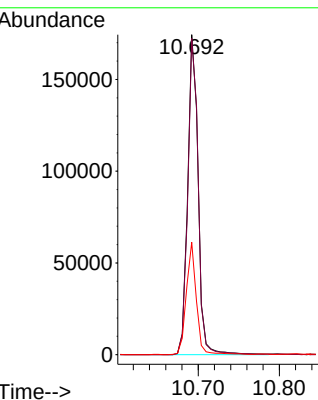
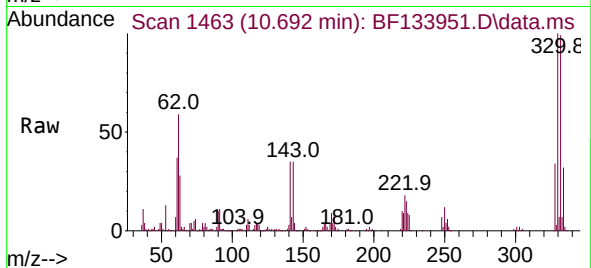
141 34.0 24.9 37.3

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Supervised By :mohammad ahmed 06/27/2023



#45

2-Fluorobiphenyl

Concen: 74.101 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

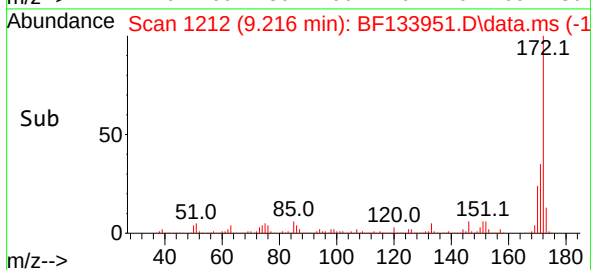
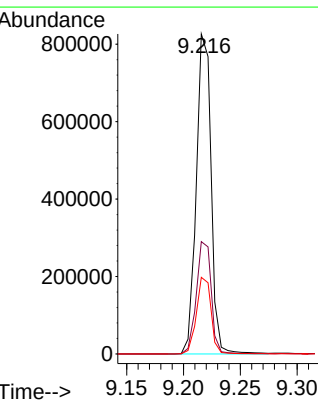
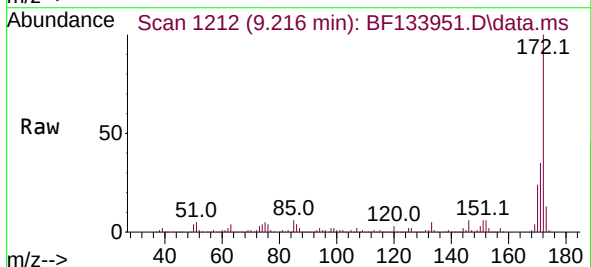
Tgt Ion:172 Resp: 748547

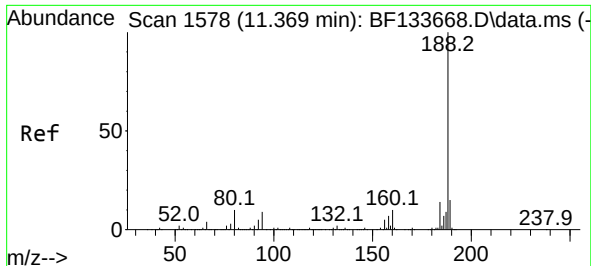
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

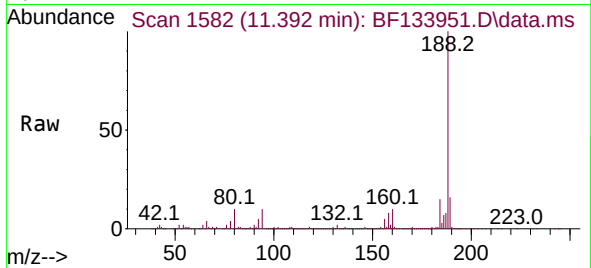
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

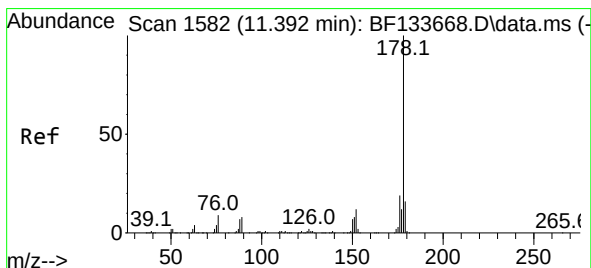
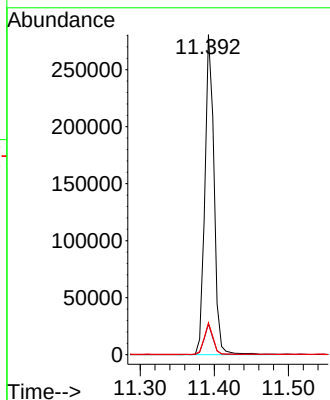
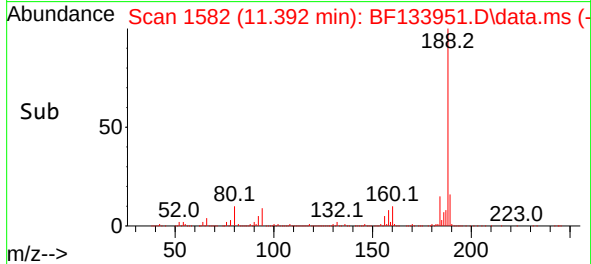
Instrument :
BNA_F
ClientSampleId :
SP



Tgt Ion:188 Resp: 24212
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 10.0 7.8 11.6

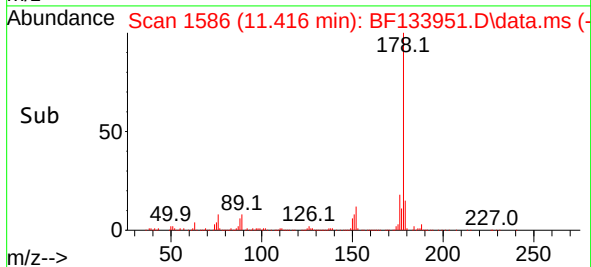
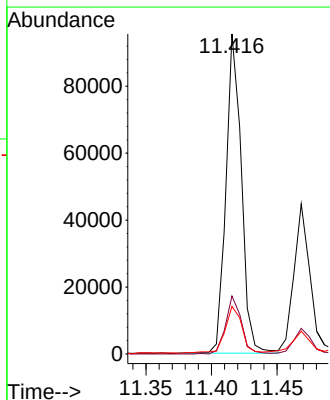
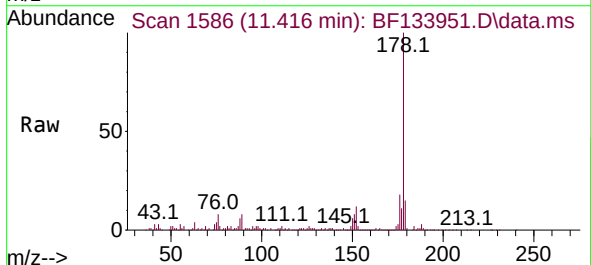
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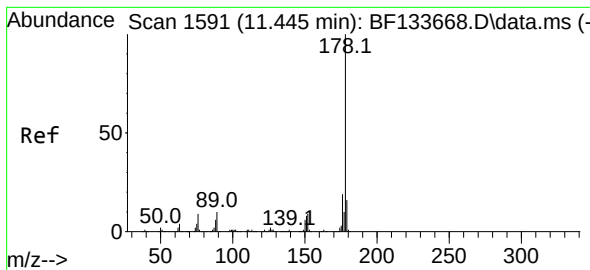
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#71
Phenanthrene
Concen: 6.349 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:178 Resp: 77992
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 14.8 12.4 18.6





#72

Anthracene

Concen: 3.013 ng

RT: 11.468 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

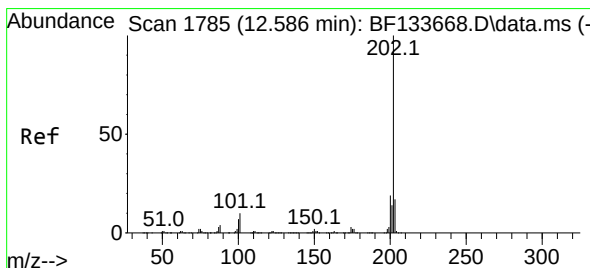
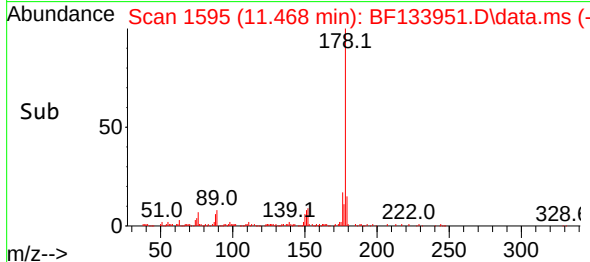
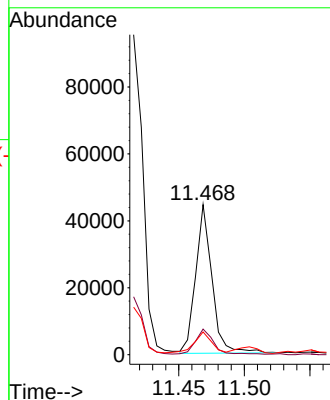
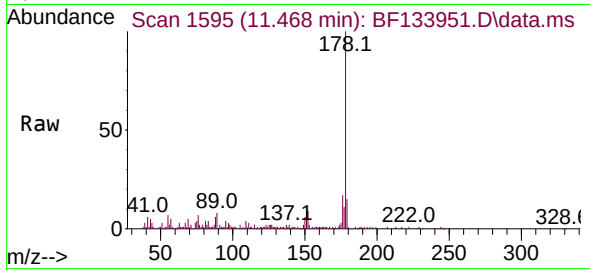
Tgt Ion:178	Resp:	3859
Ion Ratio	Lower	Upper
178	100	
176	17.1	15.1 22.7
179	15.1	12.6 18.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#75

Fluoranthene

Concen: 8.611 ng

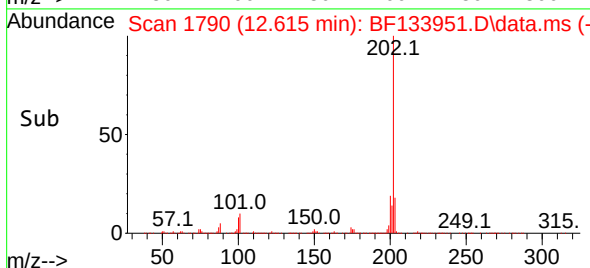
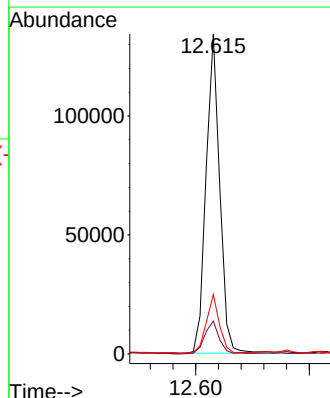
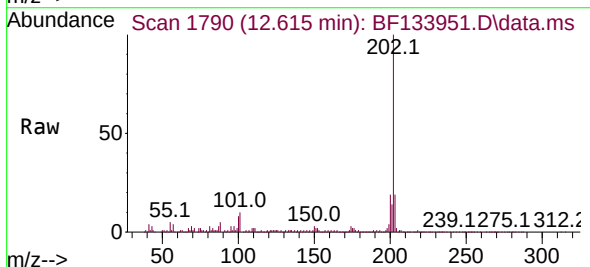
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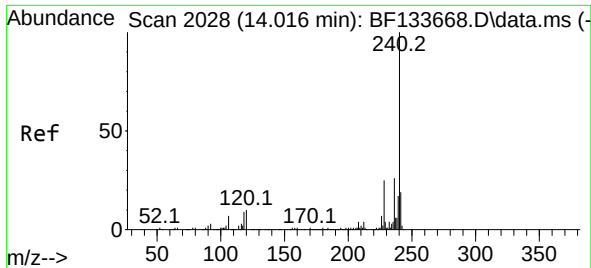
Delta R.T. 0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Tgt Ion:202	Resp:	112334
Ion Ratio	Lower	Upper
202	100	
101	10.3	0.0 29.6
203	18.6	0.0 37.4





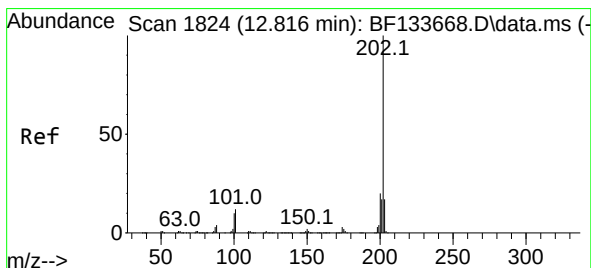
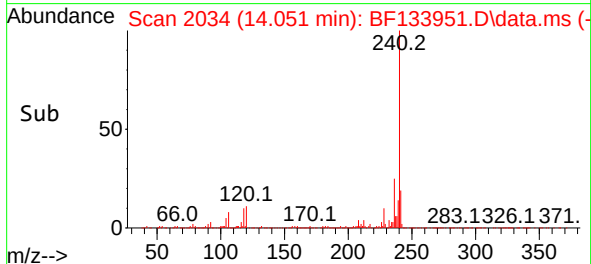
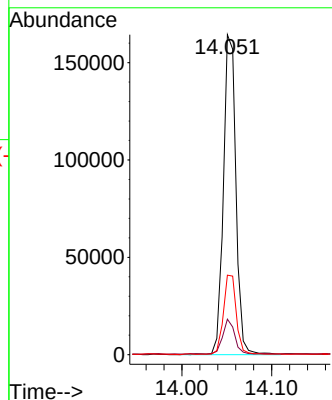
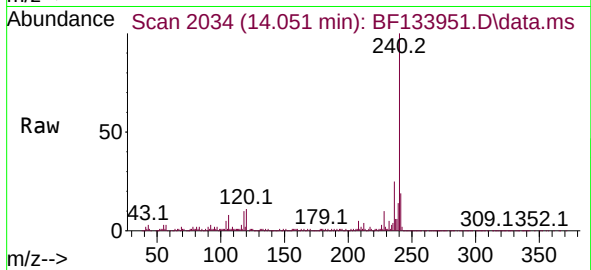
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Instrument :
BNA_F
ClientSampleId :
SP

Tgt Ion:240 Resp: 159490
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 24.8 20.5 30.7

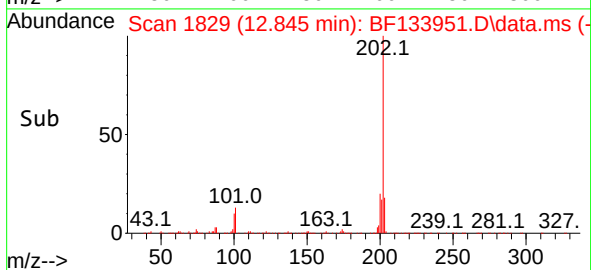
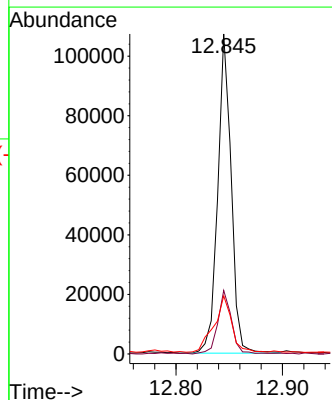
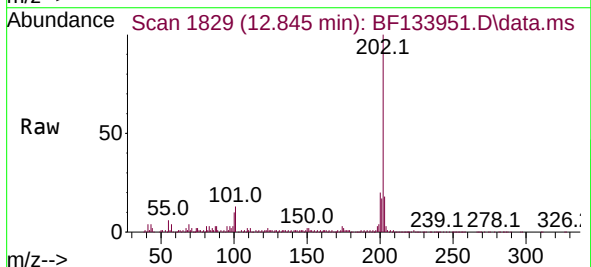
Manual Integrations
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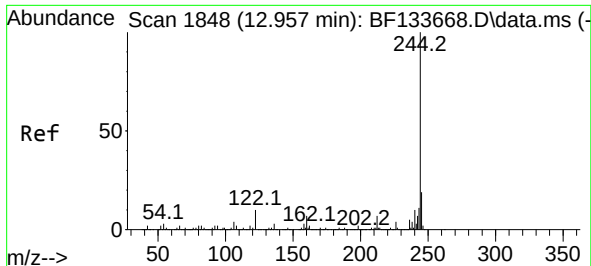
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#78
Pyrene
Concen: 6.337 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

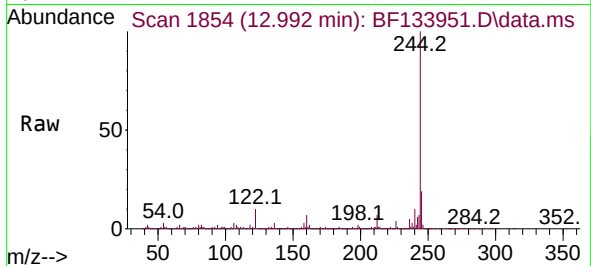
Tgt Ion:202 Resp: 94150
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 18.1 13.9 20.9





#79
 Terphenyl-d14
 Concen: 63.991 ng
 RT: 12.992 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

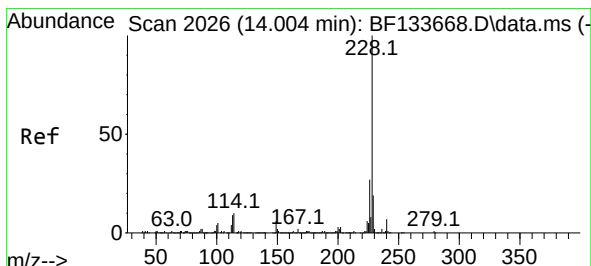
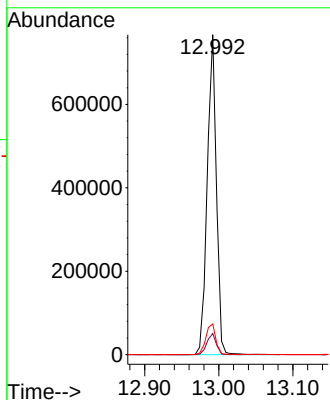
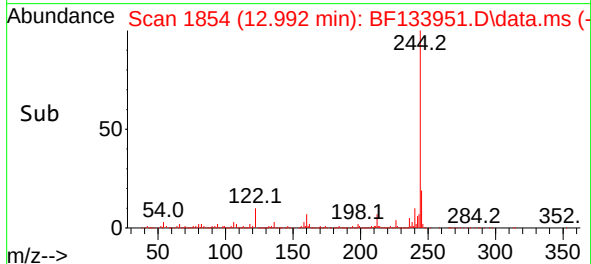
Instrument :
 BNA_F
 ClientSampleId :
 SP



Tgt Ion:244 Resp: 659600
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 9.6 8.1 12.1

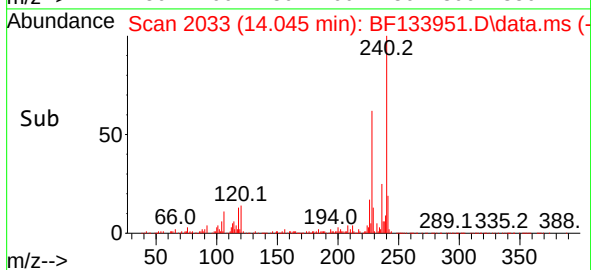
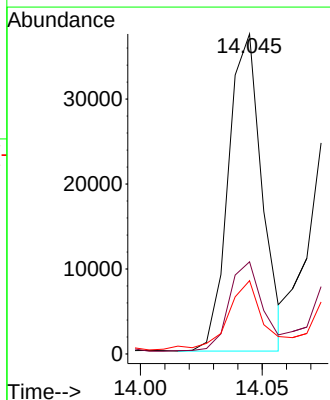
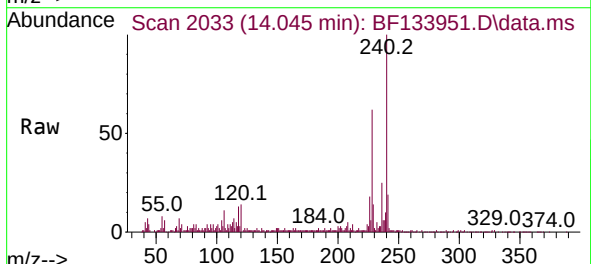
Manual Integrations
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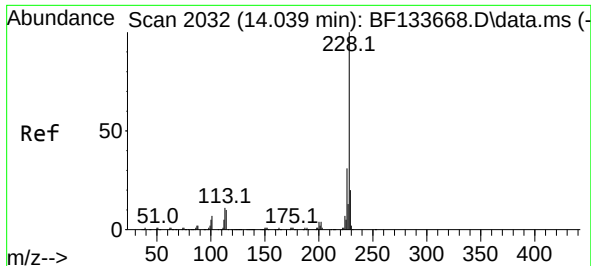
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#81
 Benzo(a)anthracene
 Concen: 3.257 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

Tgt Ion:228 Resp: 35934
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 22.9 15.4 23.2





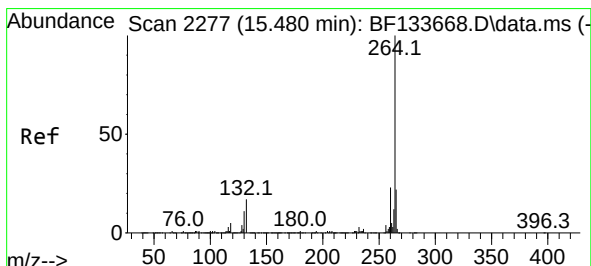
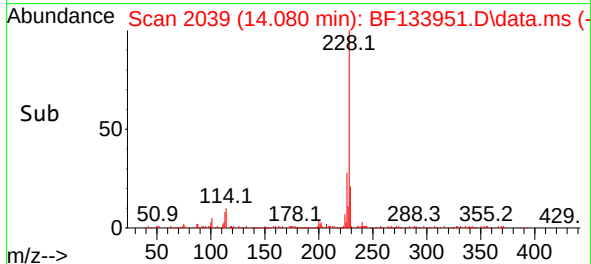
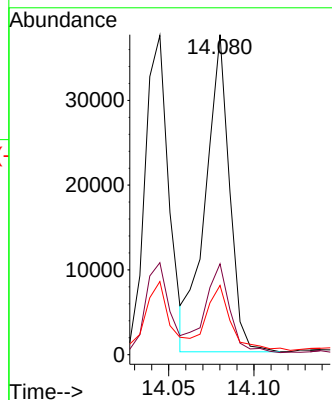
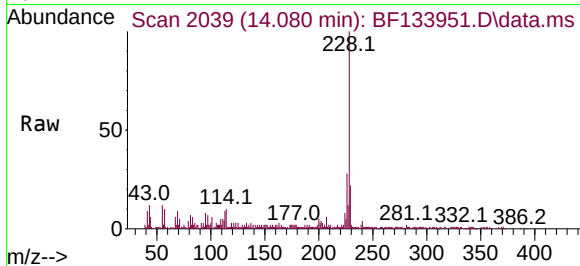
#83
Chrysene
Concen: 3.516 ng
RT: 14.080 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Instrument :
BNA_F
ClientSampleId :
SP

Tgt Ion:228 Resp: 3669
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.6
229 21.6 15.8 23.8

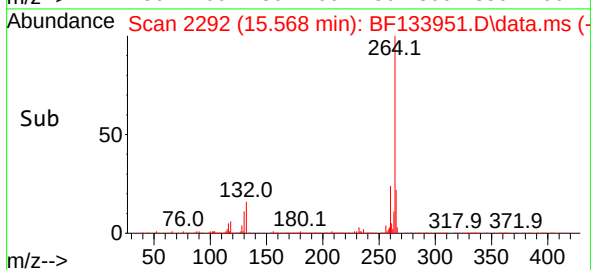
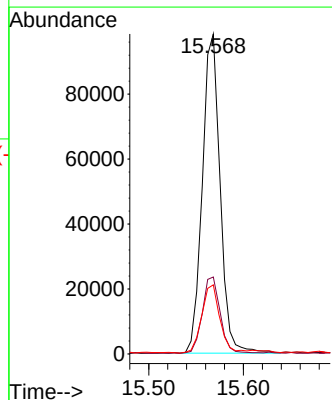
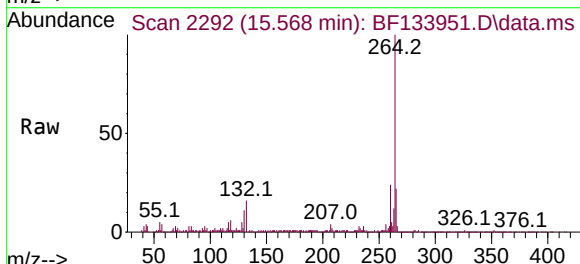
Manual Integrations
APPROVED

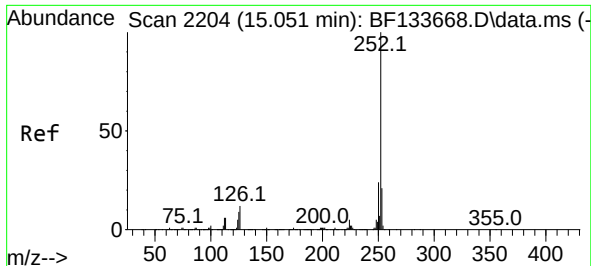
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

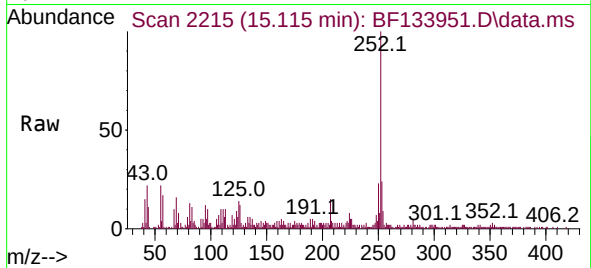
Tgt Ion:264 Resp: 128392
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.2
265 21.6 17.8 26.6





#88
Benzo(b)fluoranthene
Concen: 4.190 ng m
RT: 15.115 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

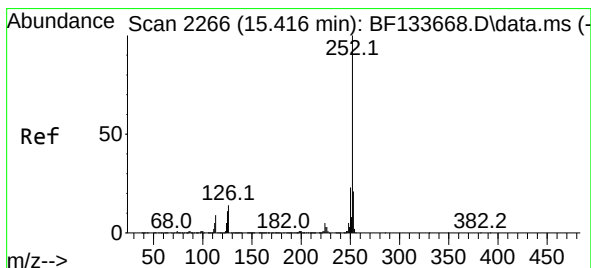
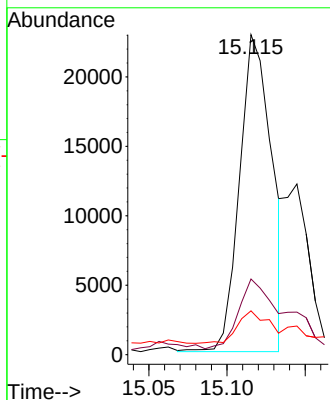
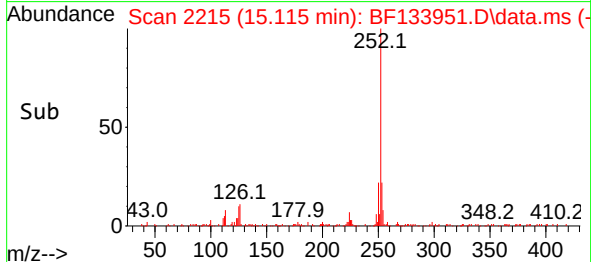
Instrument :
BNA_F
ClientSampleId :
SP



Tgt Ion:252 Resp: 32678
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 13.7 7.3 10.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#90
Benzo(a)pyrene
Concen: 2.944 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:252 Resp: 21310
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 14.6 8.6 13.0

