

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135893.D
 Acq On : 19 Oct 2023 18:46
 Operator : CG\JU
 Sample : 04907-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 19:10:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	65636	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	222535	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	105893	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	164864	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	111552	20.000	ng	-0.02
86) Perylene-d12	15.415	264	102984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	179241	43.905	ng	0.00
7) Phenol-d6	6.392	99	208799	40.991	ng	0.00
23) Nitrobenzene-d5	7.304	82	154643	38.220	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	40267	39.628	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	199596	29.470	ng	-0.01
79) Terphenyl-d14	12.863	244	213352	35.419	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	34178	4.328	ng	97
75) Fluoranthene	12.492	202	89258	10.183	ng	99
78) Pyrene	12.721	202	89226	10.066	ng	97
81) Benzo(a)anthracene	13.927	228	30054	4.102	ng	96
83) Chrysene	13.962	228	30482m	4.295	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	14529	2.589	ng	96
88) Benzo(b)fluoranthene	14.992	252	30979m	5.375	ng	
89) Benzo(k)fluoranthene	15.015	252	11267m	2.014	ng	
90) Benzo(a)pyrene	15.356	252	22598	4.170	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	18039	3.818	ng	93

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

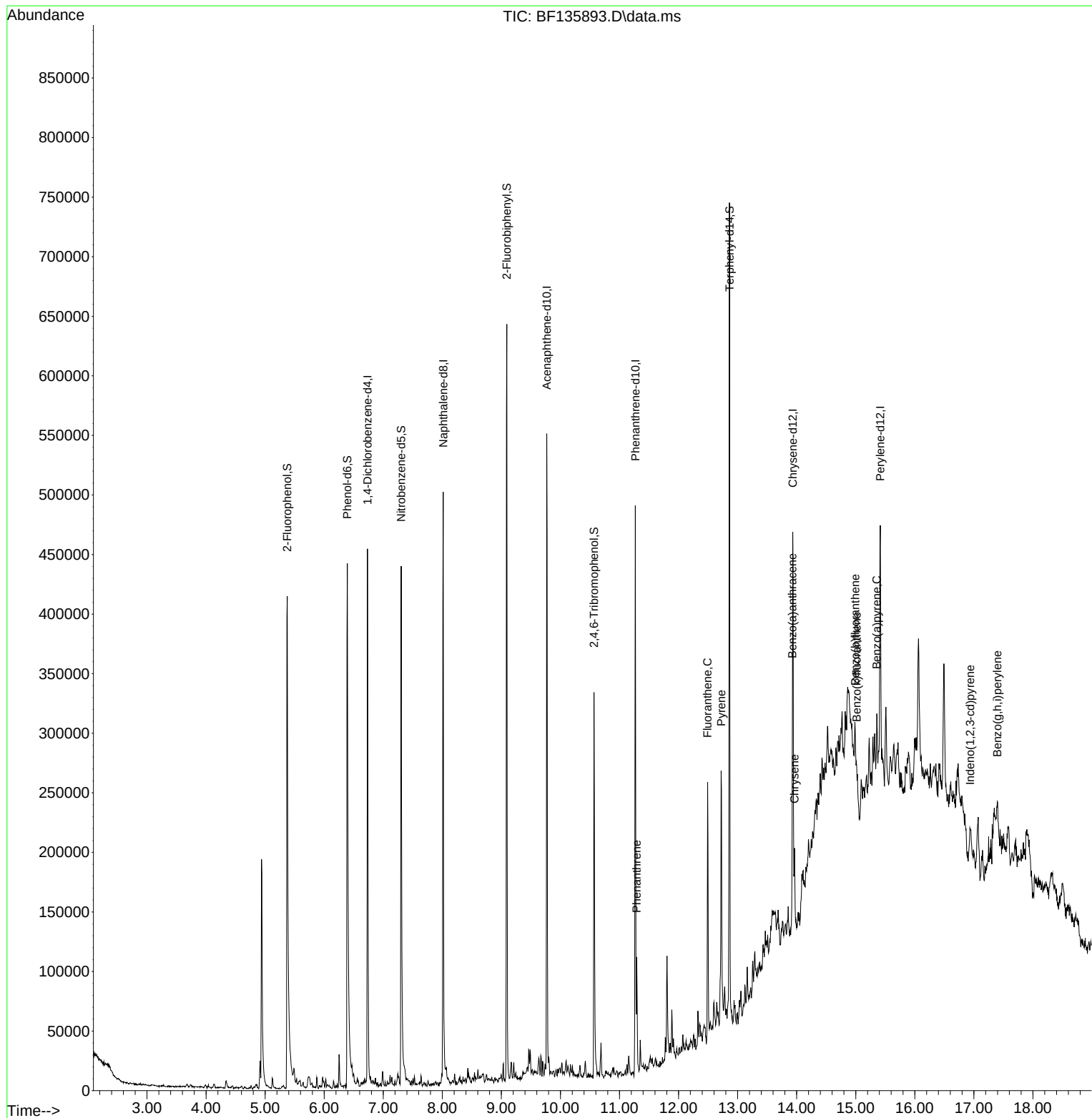
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135893.D
Acq On : 19 Oct 2023 18:46
Operator : CG\JU
Sample : 04907-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

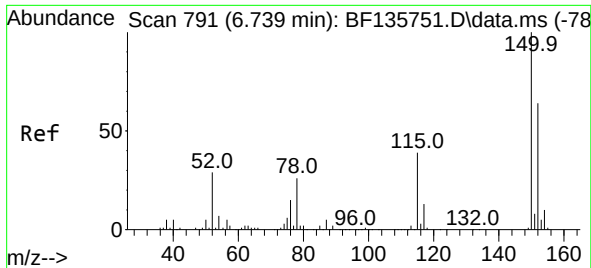
Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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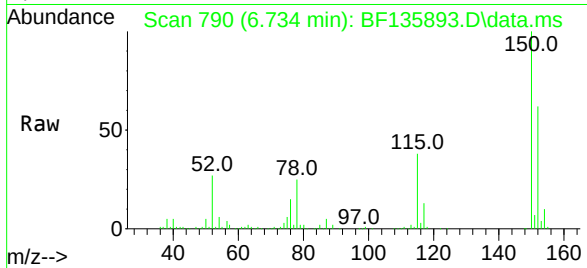
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.013 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

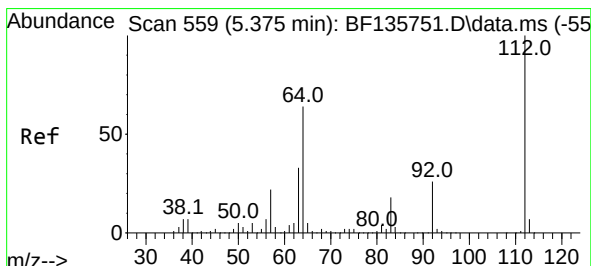
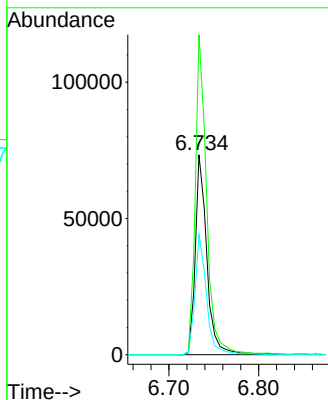
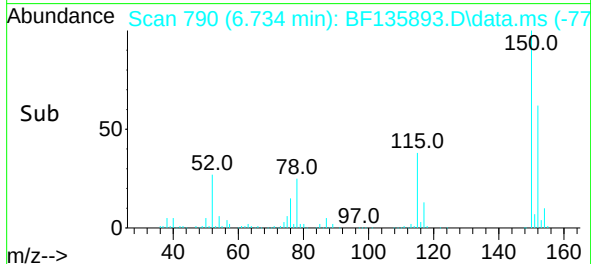
Instrument :
BNA_F
ClientSampleId :
OR-03-101623



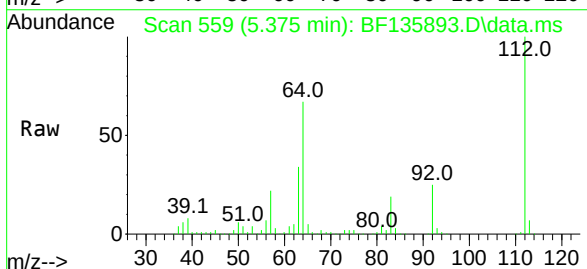
Tgt Ion:152 Resp: 65630
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 60.2 49.0 73.4

Manual Integrations
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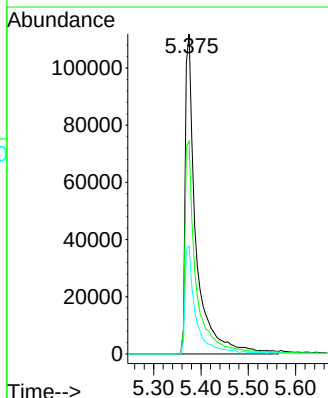
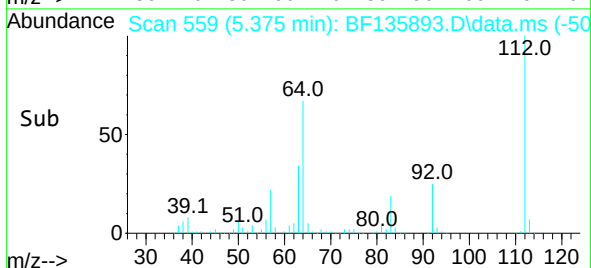
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

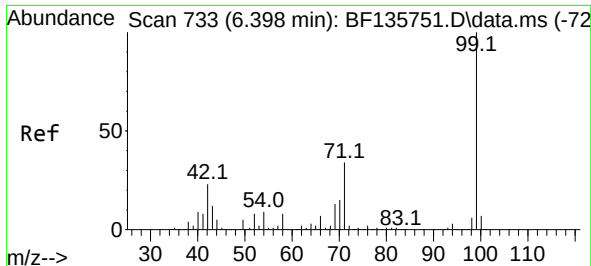


#5
2-Fluorophenol
Concen: 43.905 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46



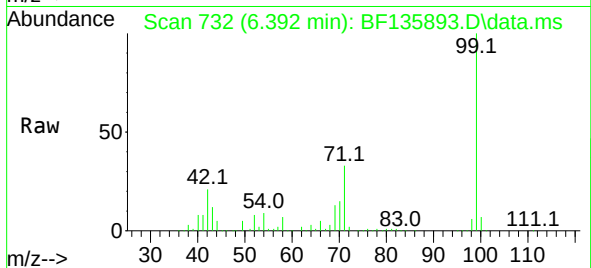
Tgt Ion:112 Resp: 179241
Ion Ratio Lower Upper
112 100
64 66.5 51.2 76.8
63 33.7 26.1 39.1





#7
Phenol-d6
Concen: 40.991 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

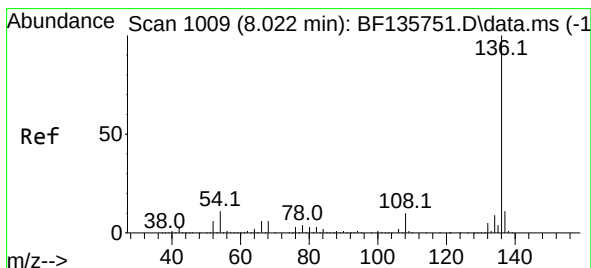
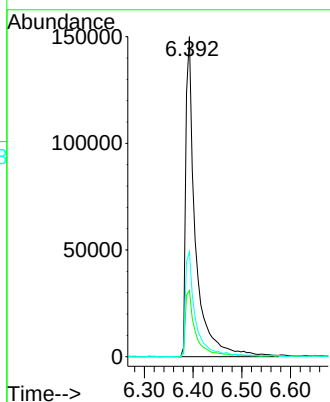
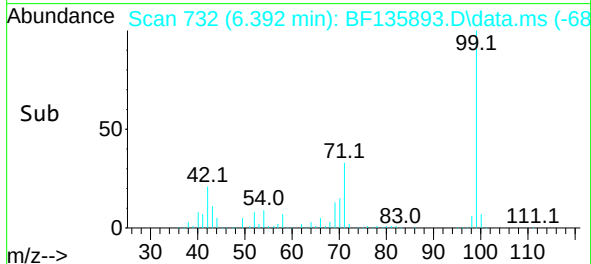
Instrument :
BNA_F
ClientSampleId :
OR-03-101623



Tgt Ion: 99 Resp: 208799
Ion Ratio Lower Upper
99 100
42 20.7 18.4 27.6
71 32.8 27.2 40.8

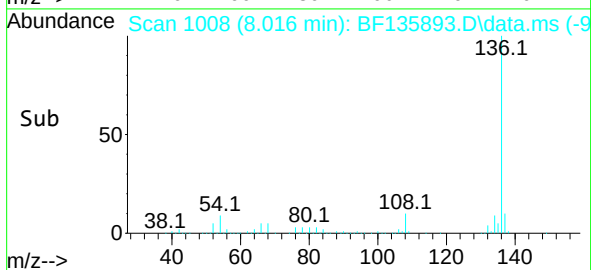
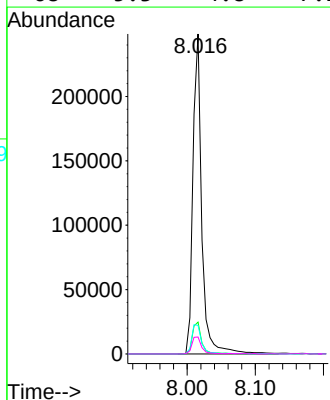
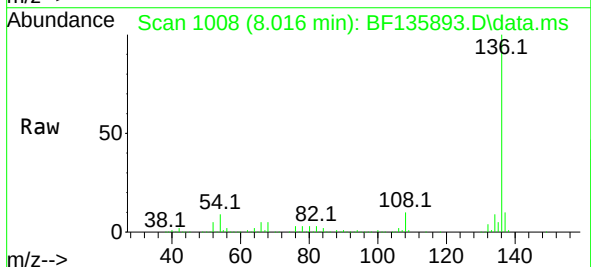
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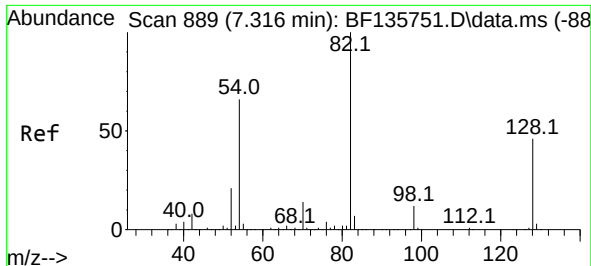
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:136 Resp: 222535
Ion Ratio Lower Upper
136 100
137 9.9 8.6 12.8
54 8.9 8.5 12.7
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 38.220 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135893.D

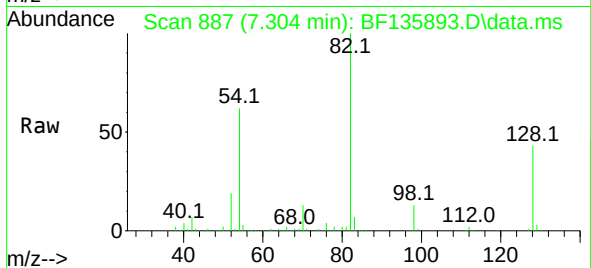
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623



Tgt Ion: 82 Resp: 15464

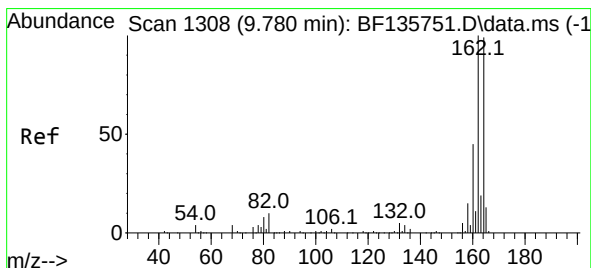
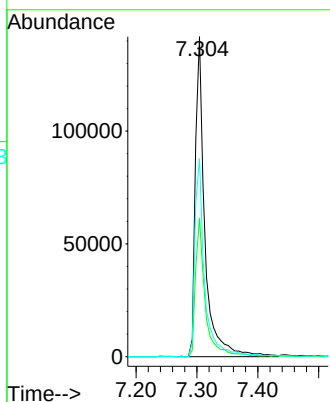
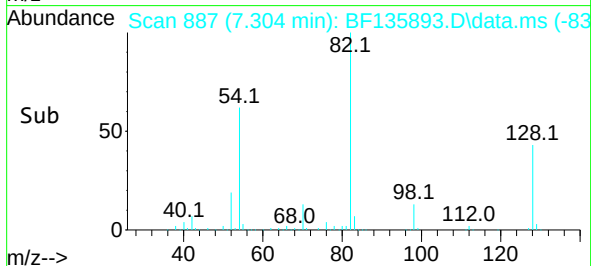
Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.0	55.6
54	61.8	52.8	79.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

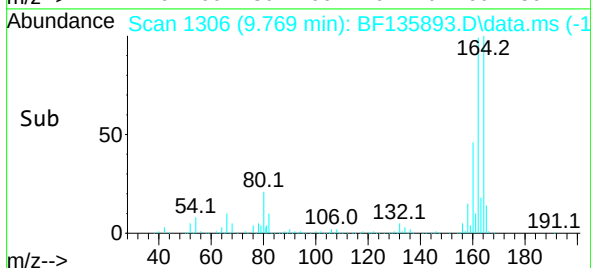
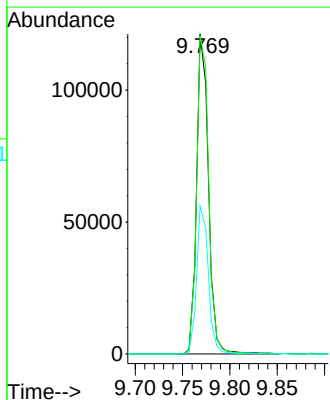
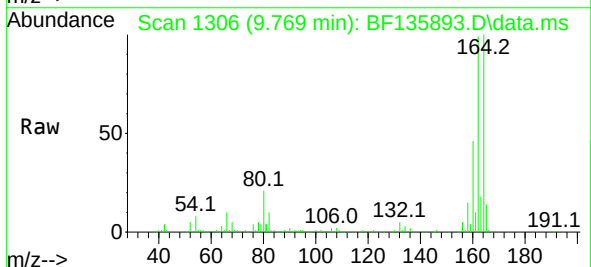
Delta R.T. -0.018 min

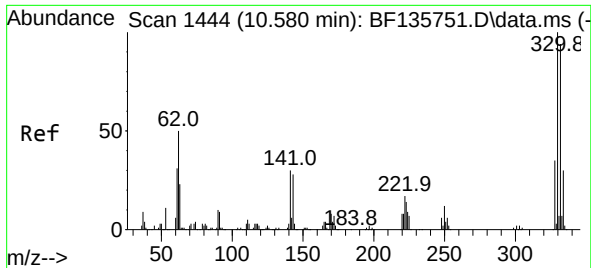
Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Tgt Ion:164 Resp: 105893

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.8	121.2
160	46.2	36.6	54.8





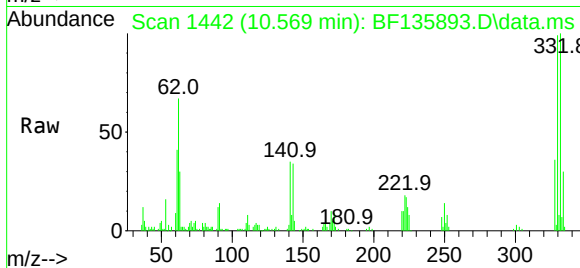
#42
2,4,6-Tribromophenol
Concen: 39.628 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623



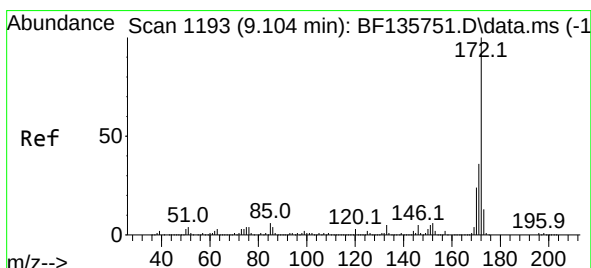
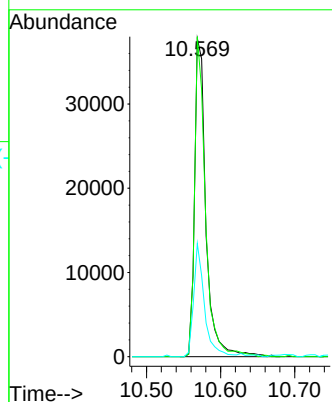
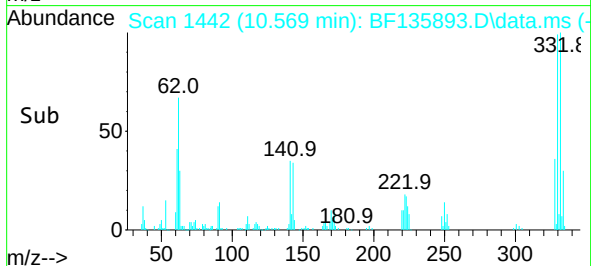
Tgt Ion: 330 Resp: 4026
Ion Ratio Lower Upper
330 100
332 96.3 75.0 112.4
141 33.7 25.8 38.6

Manual Integrations

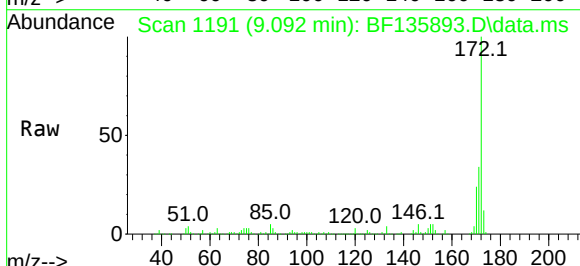
APPROVED

Reviewed By : Yogesh Patel 10/20/2023

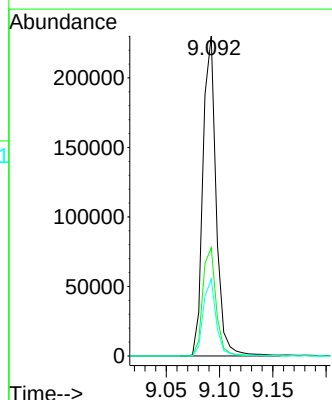
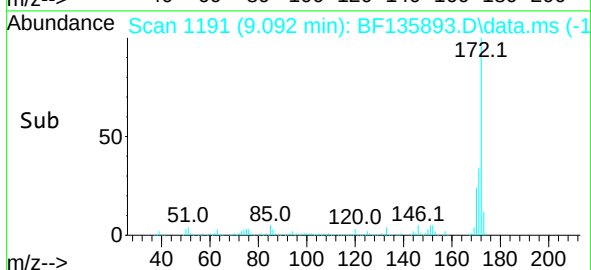
Supervised By : mohammad ahmed 10/20/2023

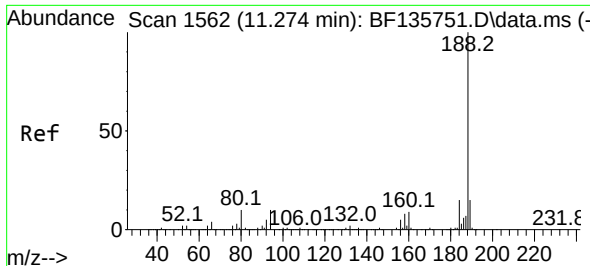


#45
2-Fluorobiphenyl
Concen: 29.470 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46



Tgt Ion: 172 Resp: 199596
Ion Ratio Lower Upper
172 100
171 33.9 28.4 42.6
170 24.0 18.8 28.2





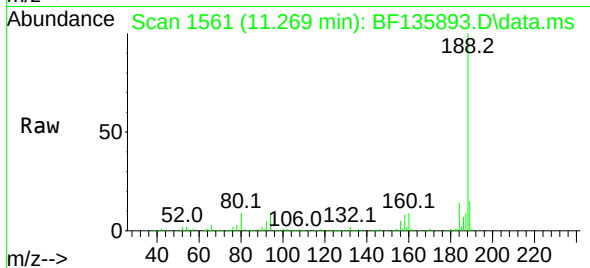
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623



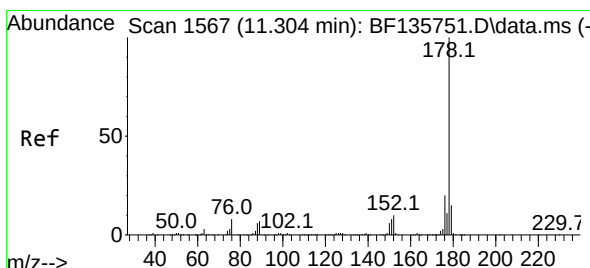
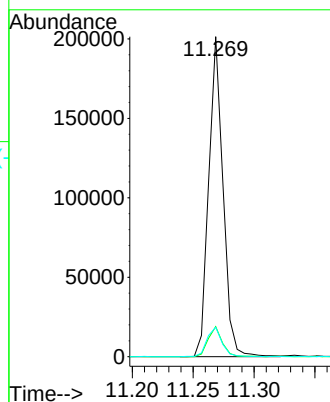
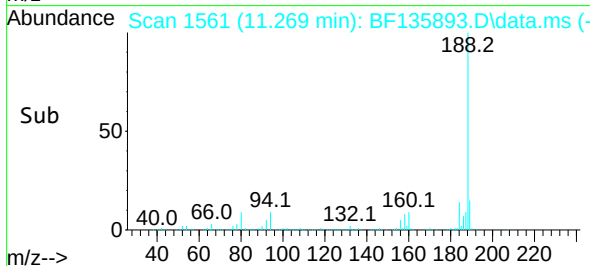
Tgt Ion:188 Resp: 164864
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 9.2 8.3 12.5

Manual Integrations

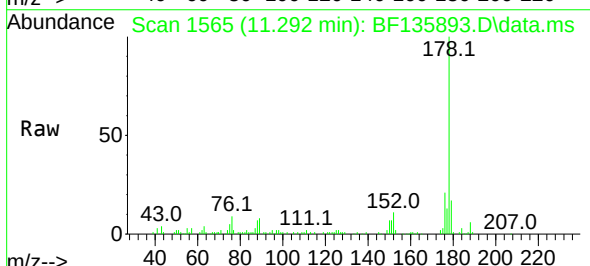
APPROVED

Reviewed By :Yogesh Patel 10/20/2023

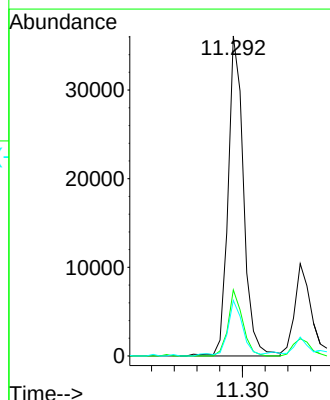
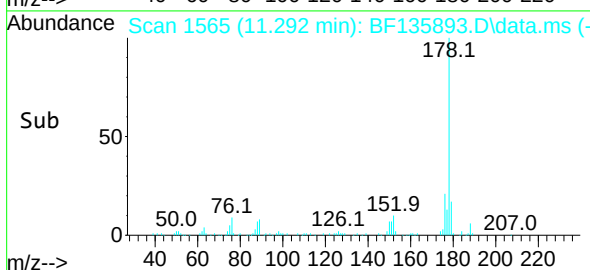
Supervised By :mohammad ahmed 10/20/2023

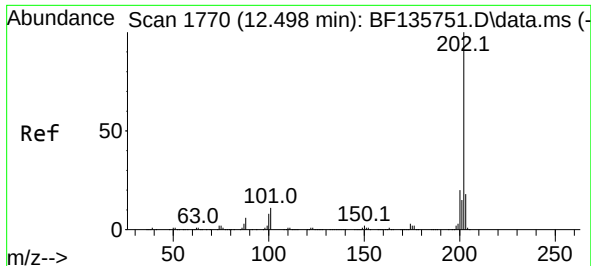


#71
Phenanthrene
Concen: 4.328 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46



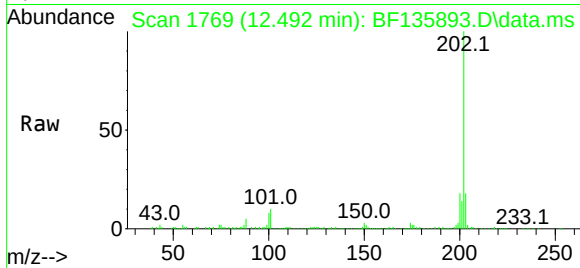
Tgt Ion:178 Resp: 34178
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 17.4 12.2 18.4





#75
Fluoranthene
Concen: 10.183 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

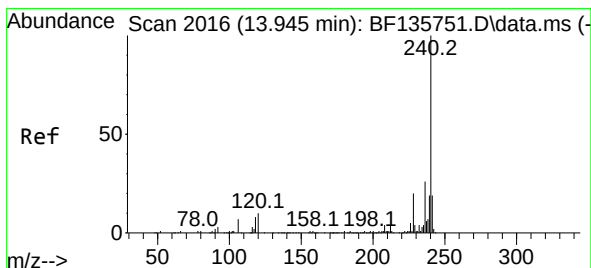
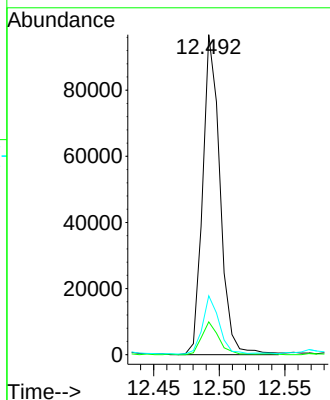
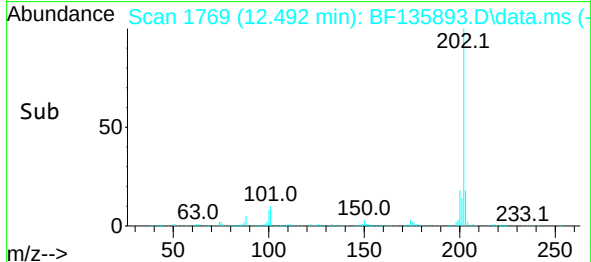
Instrument :
BNA_F
ClientSampleId :
OR-03-101623



Tgt Ion:202 Resp: 8925
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.5
203 18.4 0.0 38.3

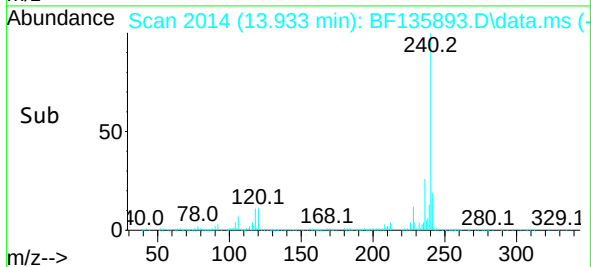
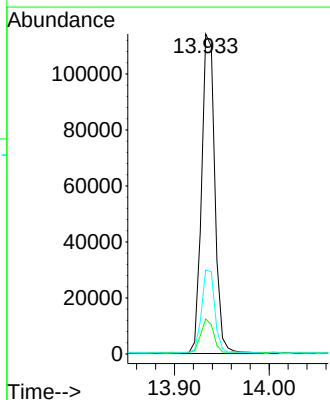
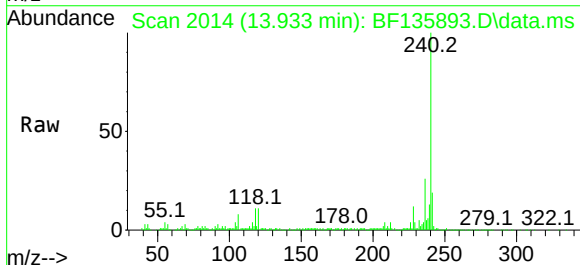
Manual Integrations
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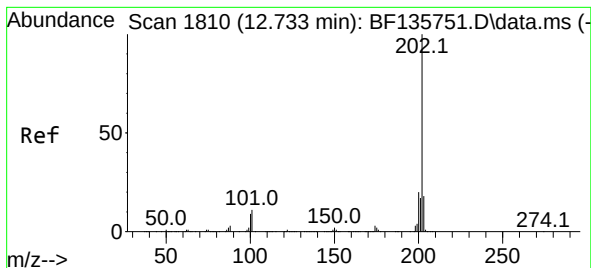
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:240 Resp: 111552
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 26.2 21.2 31.8





#78

Pyrene

Concen: 10.066 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

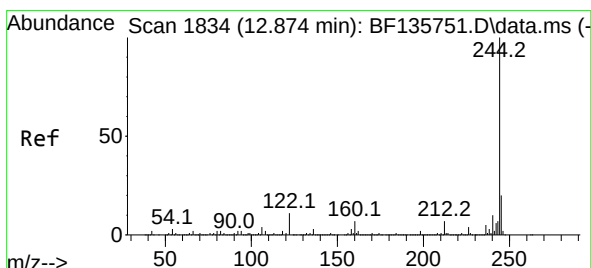
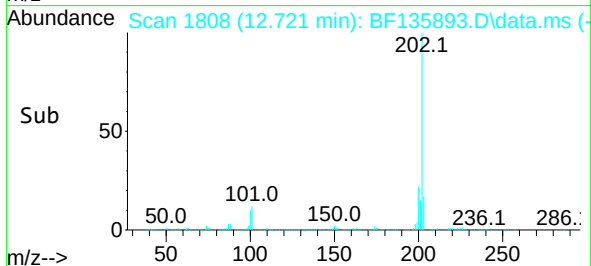
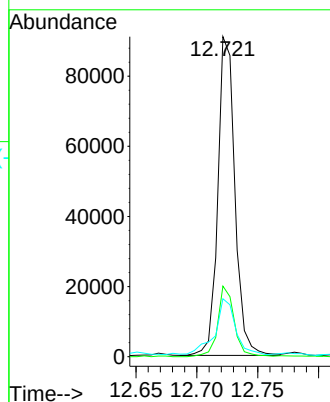
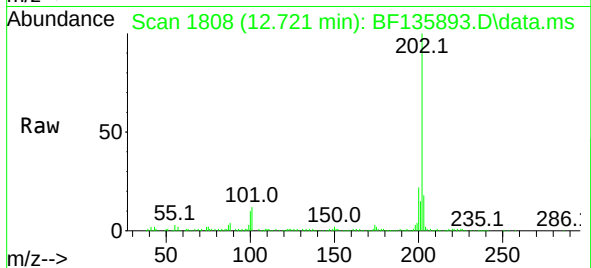
Tgt Ion:	202	Resp:	89220
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.1	24.1
203	18.1	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#79

Terphenyl-d14

Concen: 35.419 ng

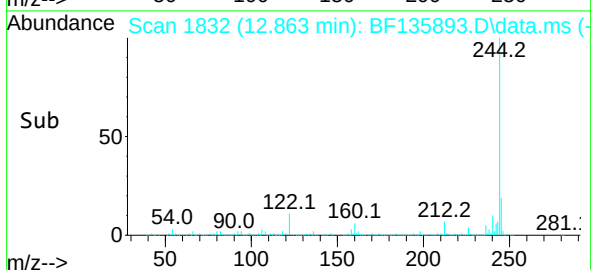
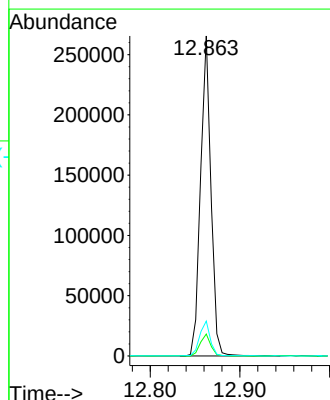
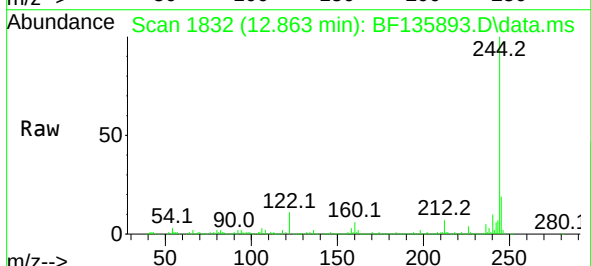
RT: 12.863 min Scan# 1832

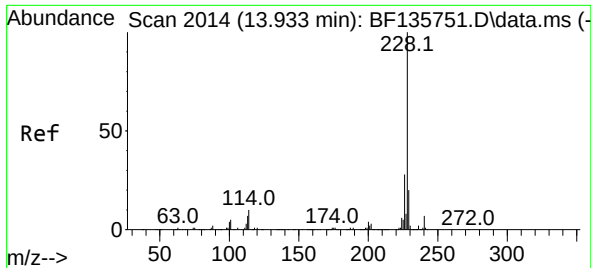
Delta R.T. -0.018 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Tgt Ion:	244	Resp:	213352
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	10.9	9.0	13.6





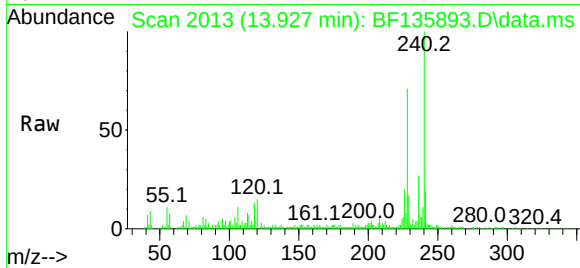
#81
Benzo(a)anthracene
Concen: 4.102 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

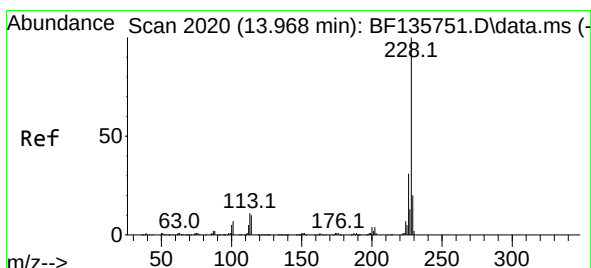
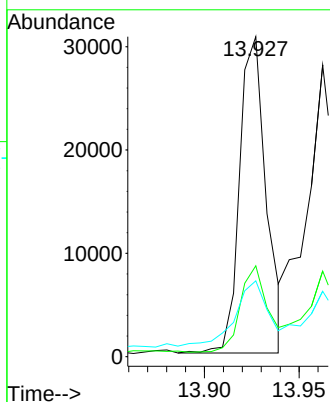
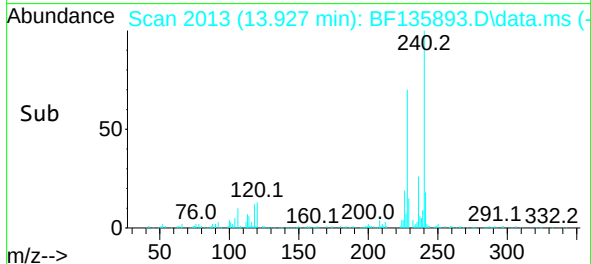


Tgt Ion:228 Resp: 30054
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.2
229 23.7 16.1 24.1

Manual Integrations

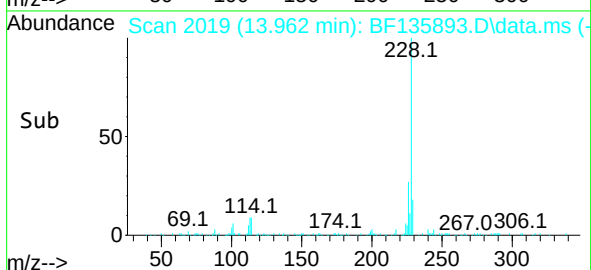
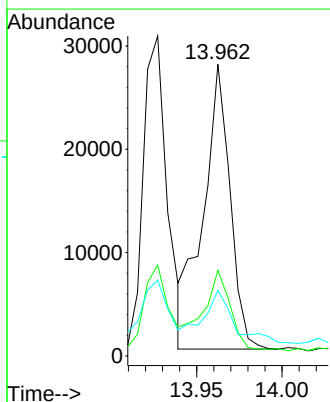
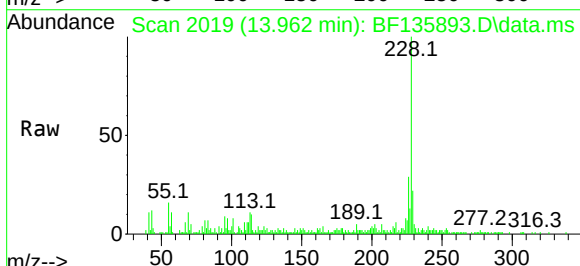
APPROVED

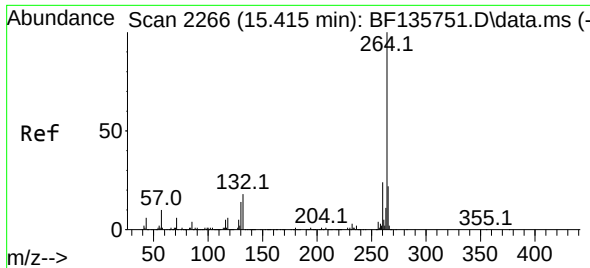
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 4.295 ng m
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:228 Resp: 30482
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 22.4 15.7 23.5





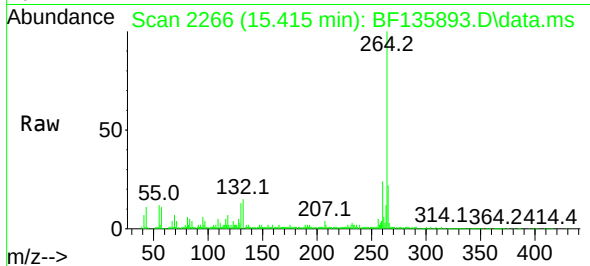
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

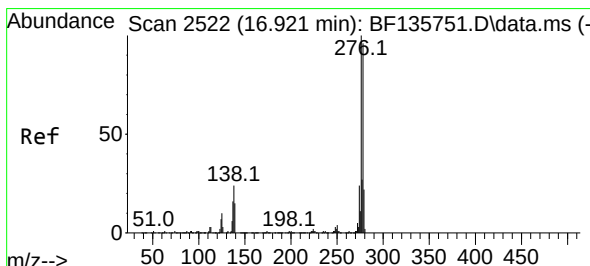
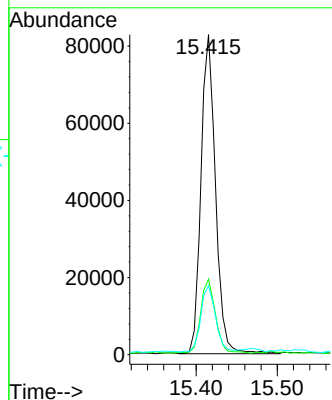
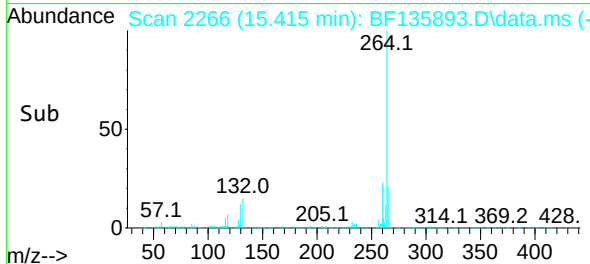


Tgt Ion:264 Resp: 102984
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.6 17.4 26.2

Manual Integrations

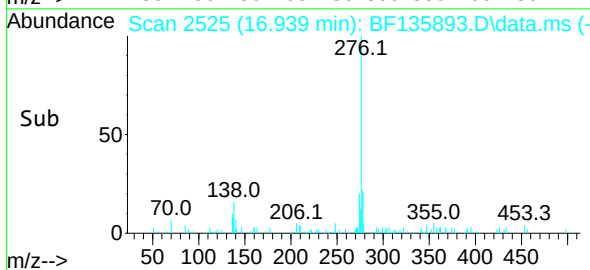
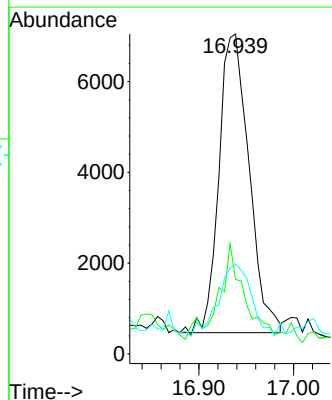
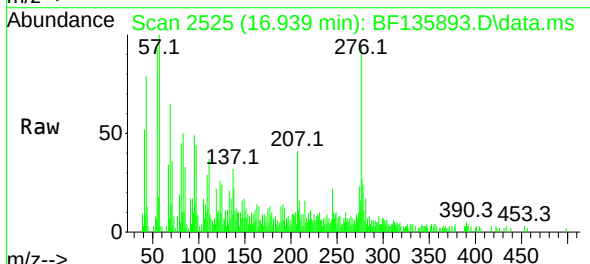
APPROVED

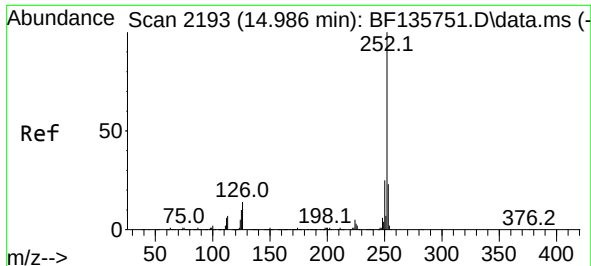
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.589 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

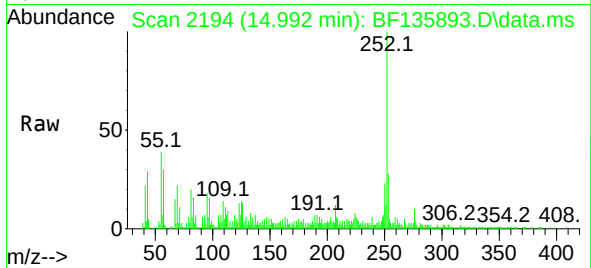
Tgt Ion:276 Resp: 14529
Ion Ratio Lower Upper
276 100
138 21.8 19.8 29.6
277 26.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 5.375 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

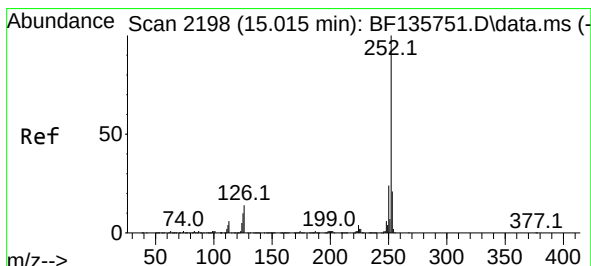
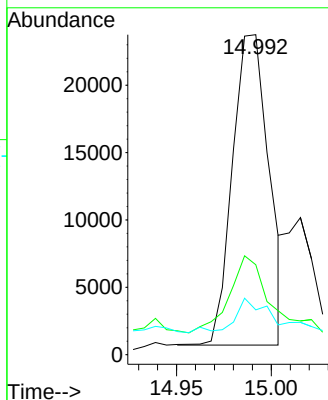
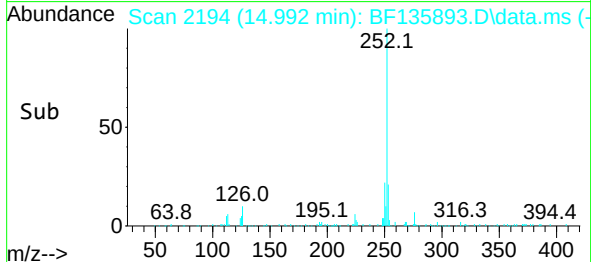
Instrument :
BNA_F
ClientSampleId :
OR-03-101623



Tgt Ion:252 Resp: 30979
Ion Ratio Lower Upper
252 100
253 28.1 18.2 27.2
125 14.0 8.2 12.2

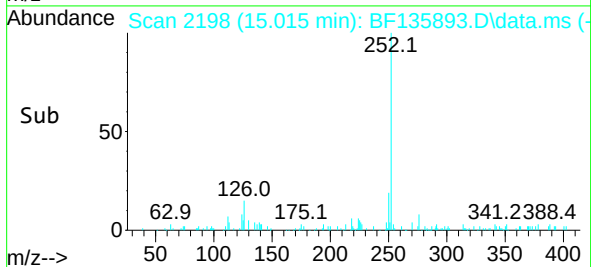
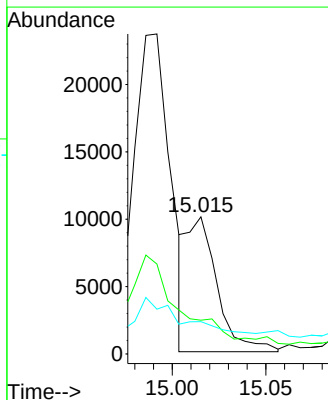
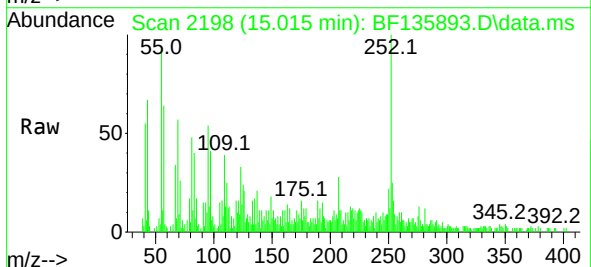
Manual Integrations
APPROVED

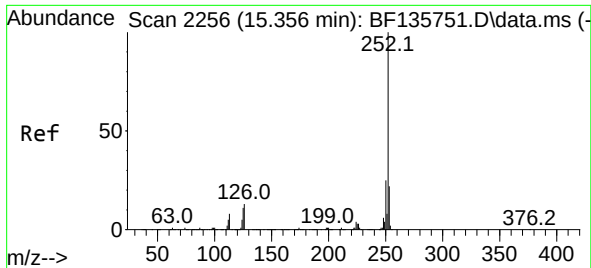
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#89
Benzo(k)fluoranthene
Concen: 2.014 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:252 Resp: 11267
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 23.6 8.3 12.5





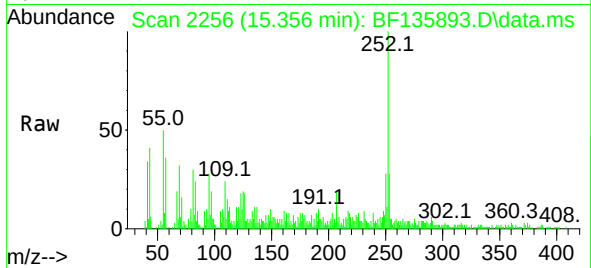
#90
Benzo(a)pyrene
Concen: 4.170 ng
RT: 15.356 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623



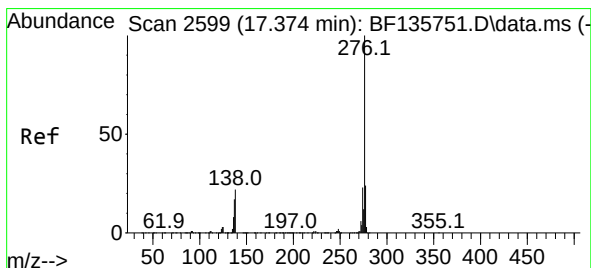
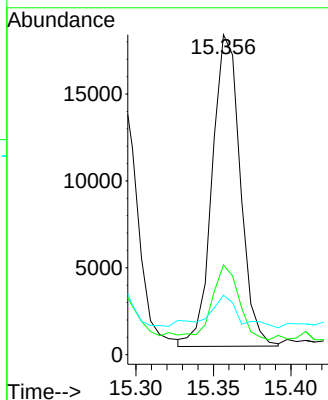
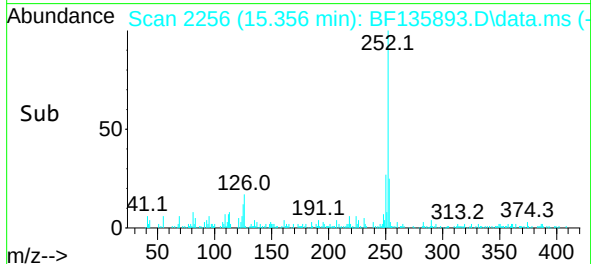
Tgt Ion:252 Resp: 22598
Ion Ratio Lower Upper
252 100
253 28.0 17.4 26.2
125 18.6 8.8 13.2

Manual Integrations

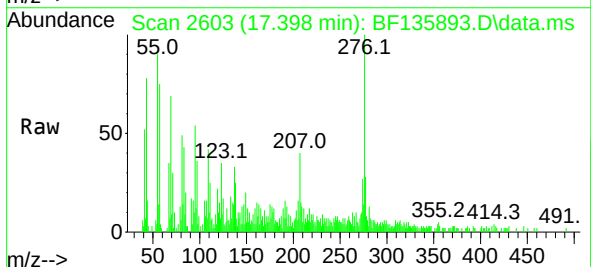
APPROVED

Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#92
Benzo(g,h,i)perylene
Concen: 3.818 ng
RT: 17.398 min Scan# 2603
Delta R.T. 0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46



Tgt Ion:276 Resp: 18039
Ion Ratio Lower Upper
276 100
277 27.9 19.4 29.2
138 25.2 17.3 25.9

