

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135863.D
 Acq On : 18 Oct 2023 23:28
 Operator : CG\JU
 Sample : 04887-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-622-COMP-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 02:10:30 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	6.740	152	73862	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	289127	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	146093	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	277808	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	143078	20.000	ng	-0.01
86) Perylene-d12	15.415	264	193291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	489151	106.473	ng	0.00
7) Phenol-d6	6.392	99	595535	103.893	ng	0.00
23) Nitrobenzene-d5	7.304	82	353281	67.203	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	150457	107.325	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	632578	67.699	ng	-0.01
79) Terphenyl-d14	12.869	244	576156	74.574	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.039	128	93989	6.665	ng	99
71) Phenanthrene	11.292	178	181728	13.655	ng	99
72) Anthracene	11.351	178	55984	4.060	ng	98
75) Fluoranthene	12.492	202	277193	18.767	ng	99
78) Pyrene	12.727	202	218659	19.232	ng	99
81) Benzo(a)anthracene	13.927	228	81564	8.679	ng	98
83) Chrysene	13.963	228	63380	6.963	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	46898	4.453	ng	95
88) Benzo(b)fluoranthene	14.986	252	82856m	7.659	ng	
89) Benzo(k)fluoranthene	15.015	252	34013m	3.239	ng	
90) Benzo(a)pyrene	15.357	252	68575	6.741	ng	98
92) Benzo(g,h,i)perylene	17.386	276	39895	4.498	ng	98

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

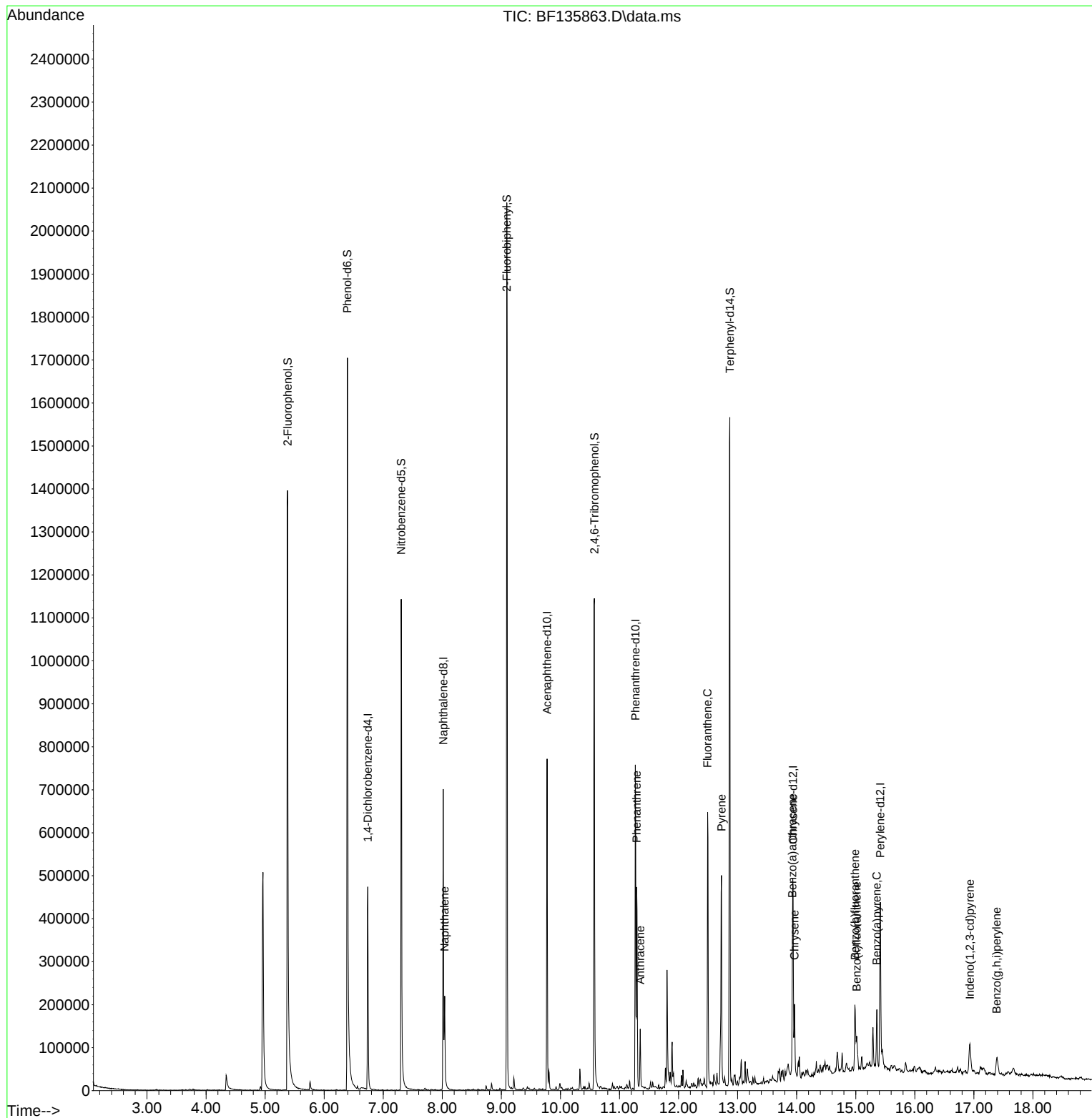
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135863.D
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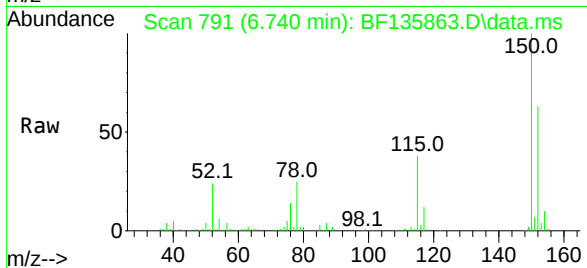
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

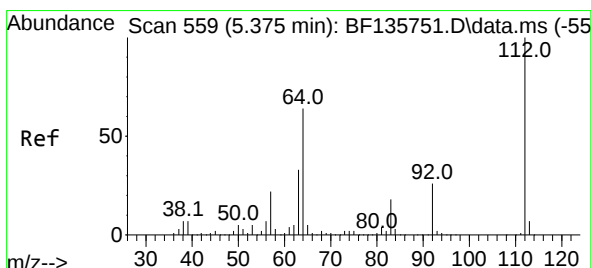
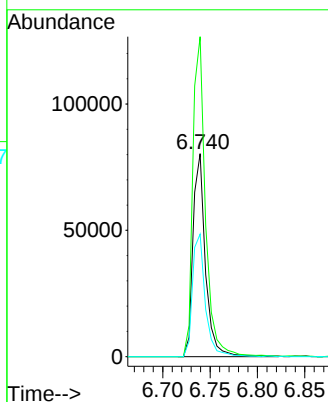
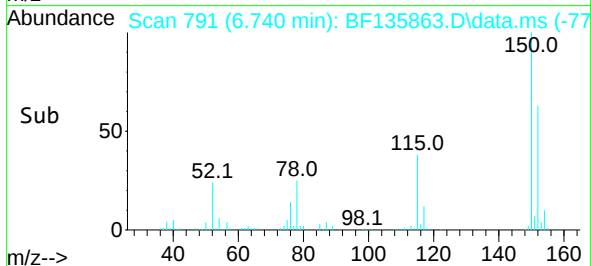
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



Tgt Ion:152 Resp: 73862
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 60.3 49.0 73.4

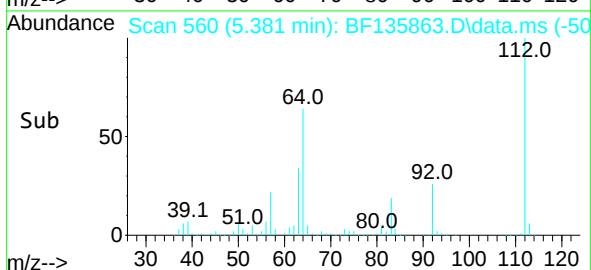
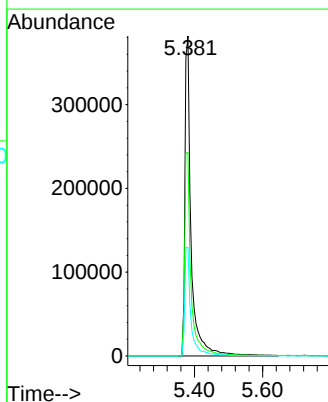
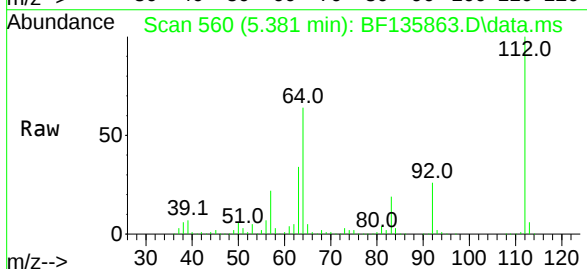
Manual Integrations
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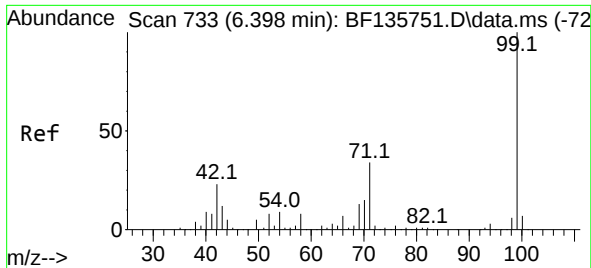
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
2-Fluorophenol
Concen: 106.473 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

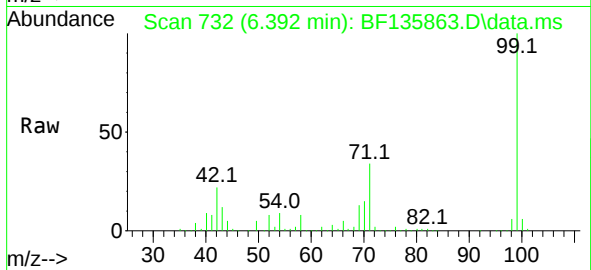
Tgt Ion:112 Resp: 489151
Ion Ratio Lower Upper
112 100
64 63.6 51.2 76.8
63 33.9 26.1 39.1





#7
Phenol-d6
Concen: 103.893 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

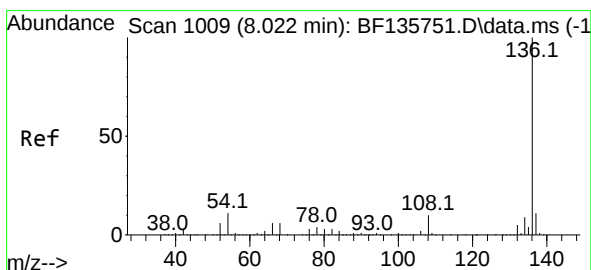
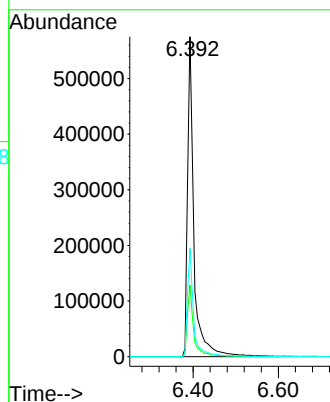
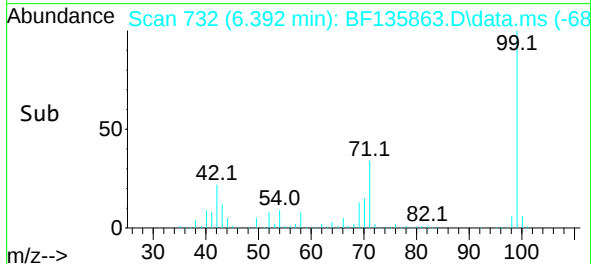
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



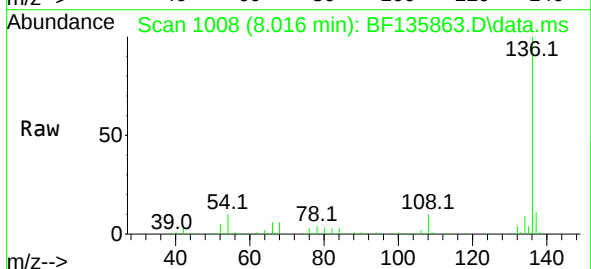
Tgt Ion: 99 Resp: 59553
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 33.9 27.2 40.8

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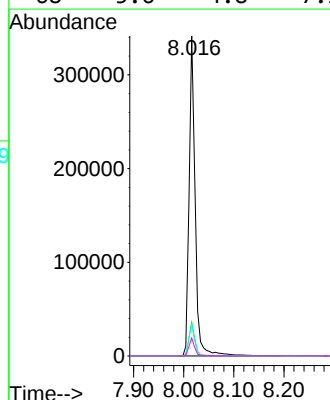
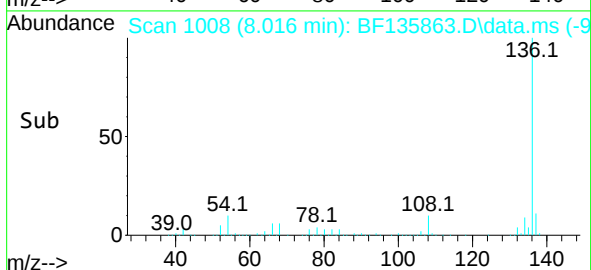
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

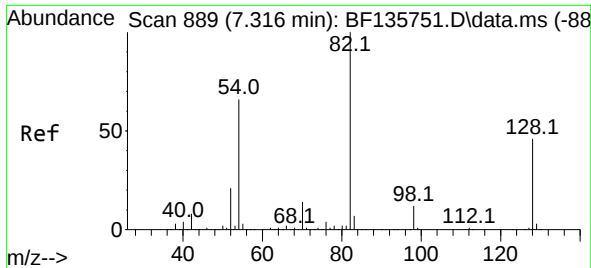


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28



Tgt Ion:136 Resp: 289127
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.8 8.5 12.7
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 67.203 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

Tgt Ion: 82 Resp: 35328

Ion Ratio Lower Upper

82 100

128 43.3 37.0 55.6

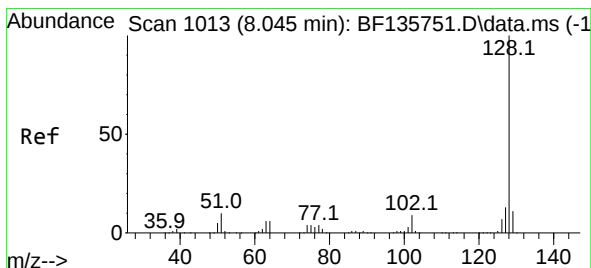
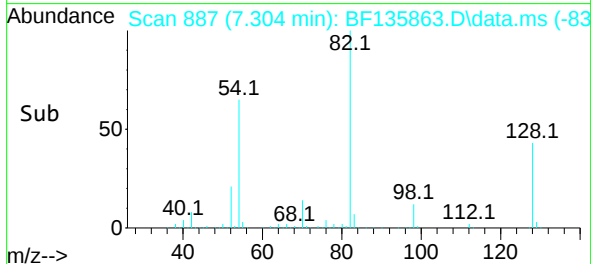
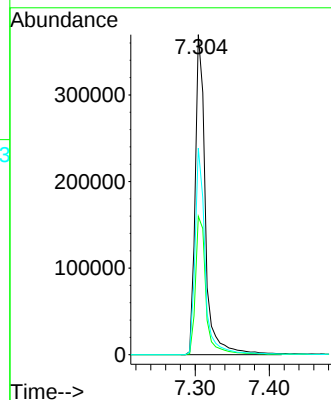
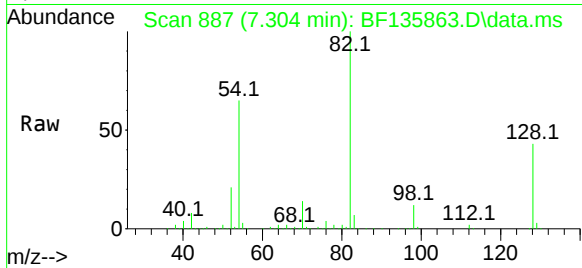
54 64.6 52.8 79.2

Manual Integrations

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#31

Naphthalene

Concen: 6.665 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

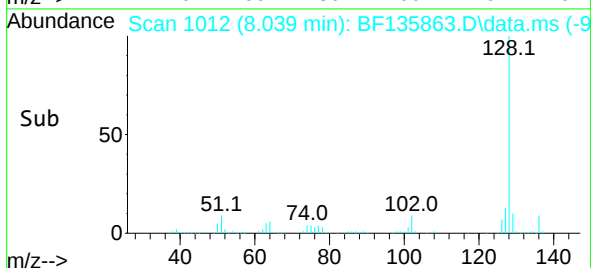
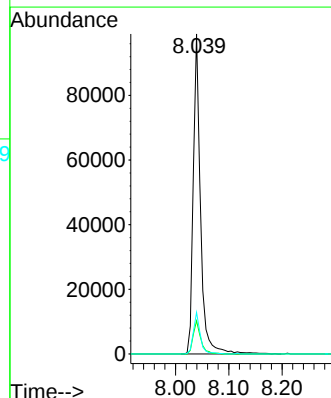
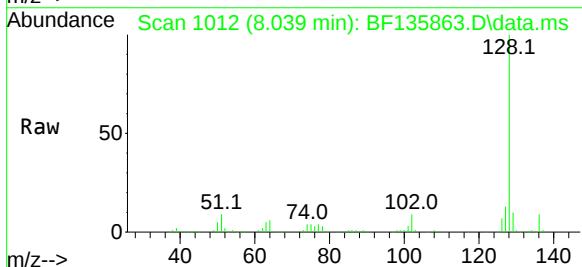
Tgt Ion:128 Resp: 93989

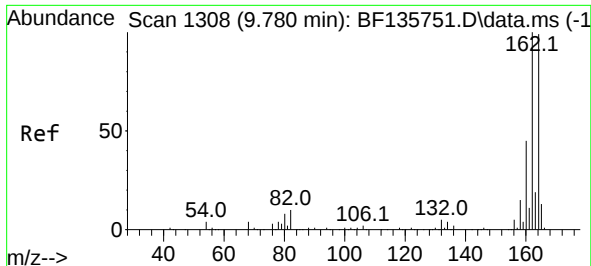
Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

127 13.0 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNF

ClientSampleId :

SU-622-COMP-04

Tgt Ion:164 Resp: 14609

Ion Ratio Lower Upper

164 100

162 101.0 80.8 121.2

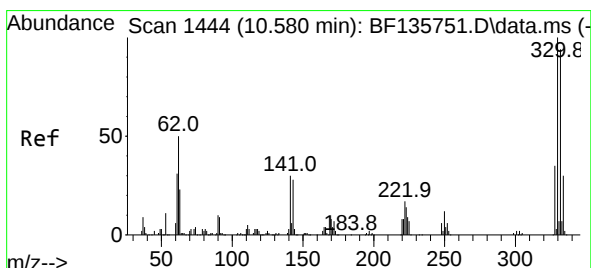
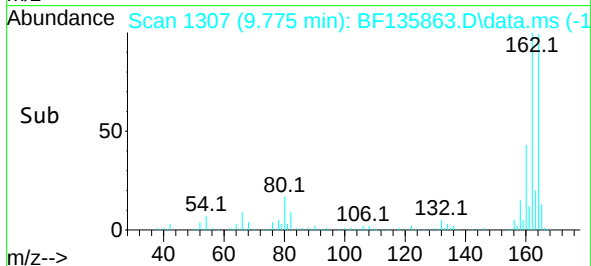
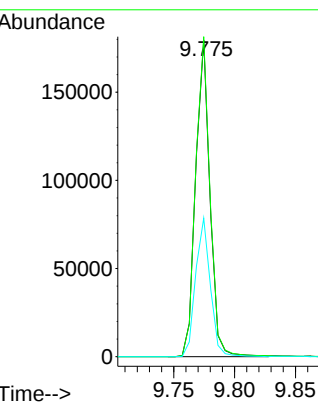
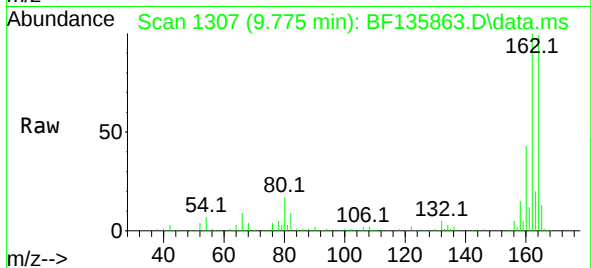
160 43.8 36.6 54.8

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 10/20/2023



#42

2,4,6-Tribromophenol

Concen: 107.325 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

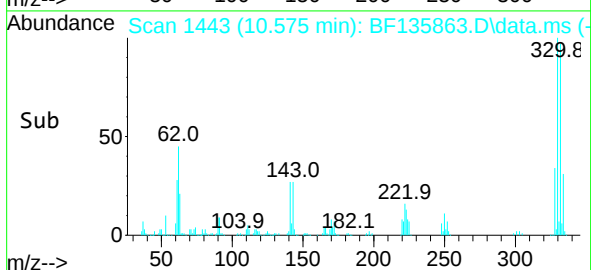
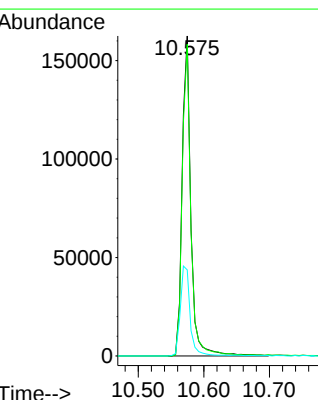
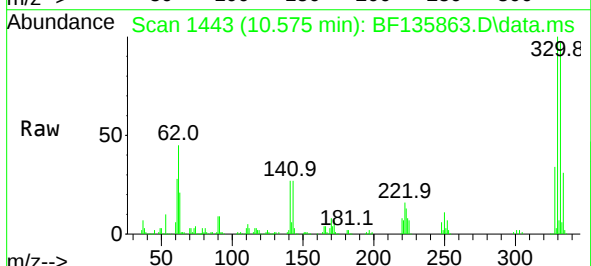
Tgt Ion:330 Resp: 150457

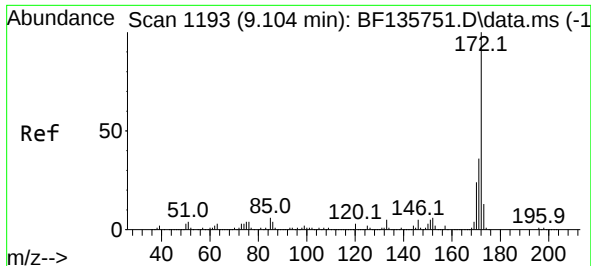
Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.4

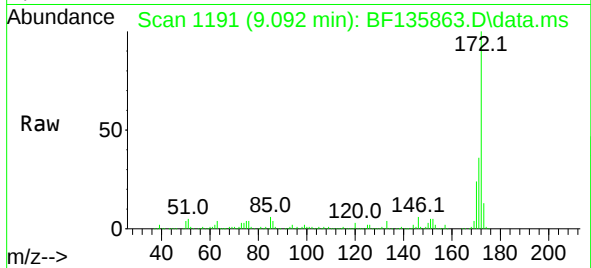
141 31.5 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 67.699 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

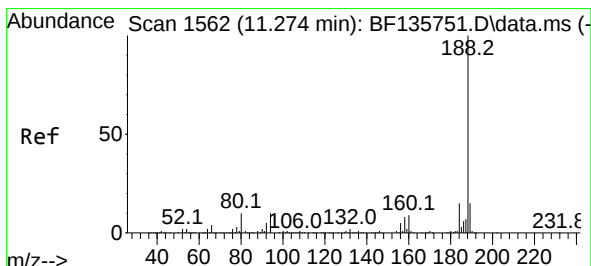
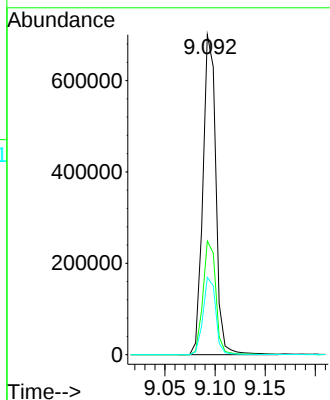
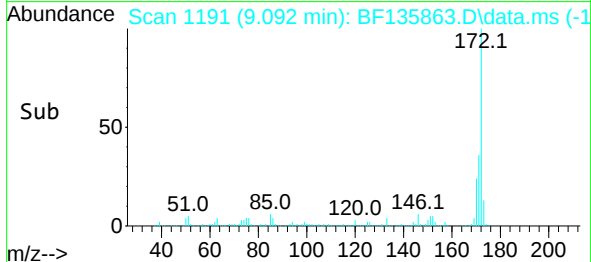
Instrument :
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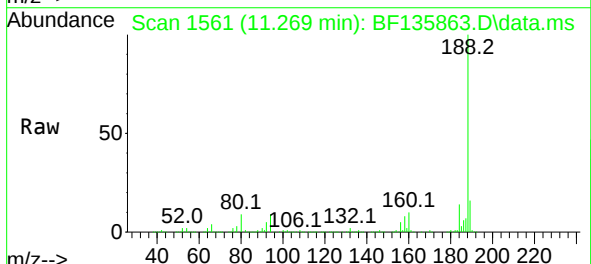
Tgt Ion:172 Resp: 632578
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 24.2 18.8 28.2

Manual Integrations
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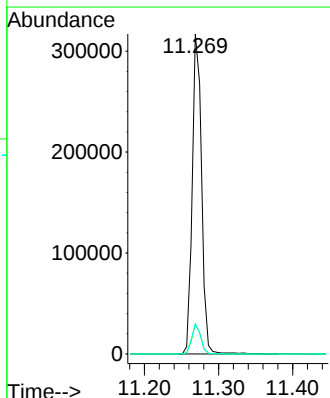
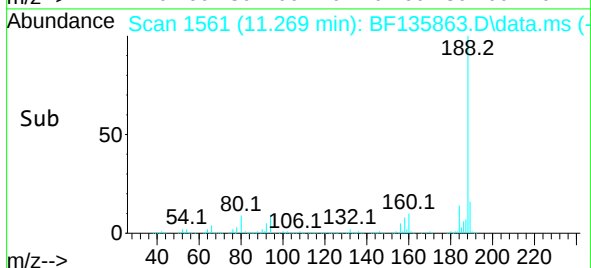
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

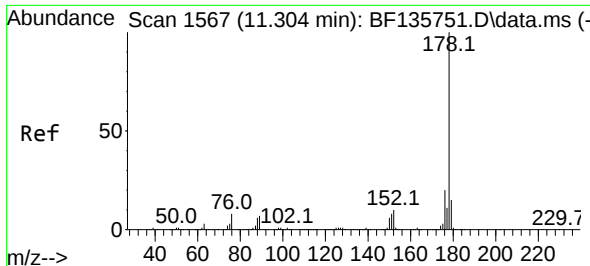


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28



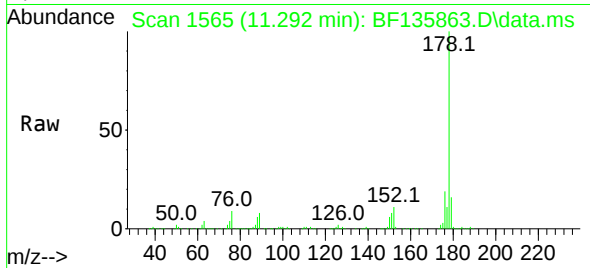
Tgt Ion:188 Resp: 277808
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.5 8.3 12.5





#71
Phenanthrene
Concen: 13.655 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

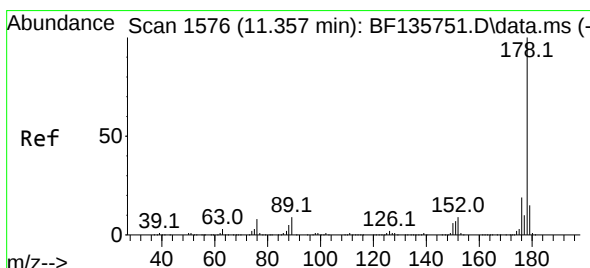
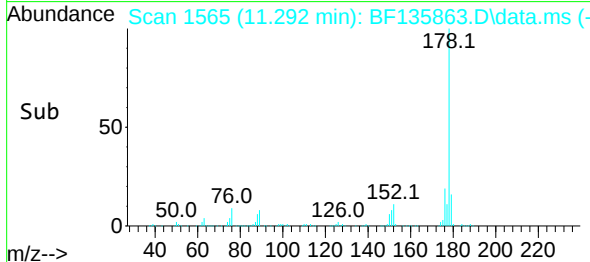
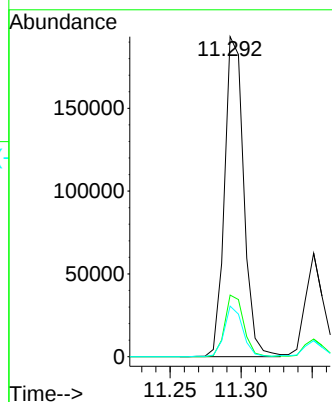
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



Tgt Ion:178 Resp: 181728
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 12.2 18.4

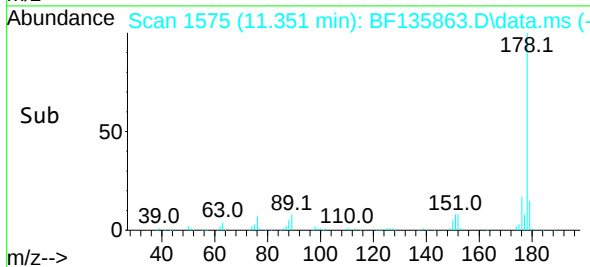
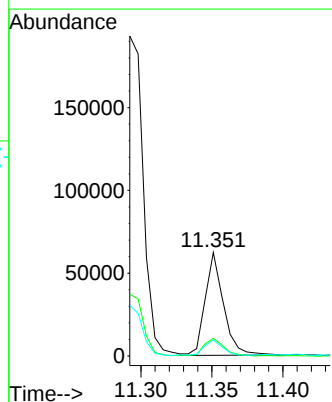
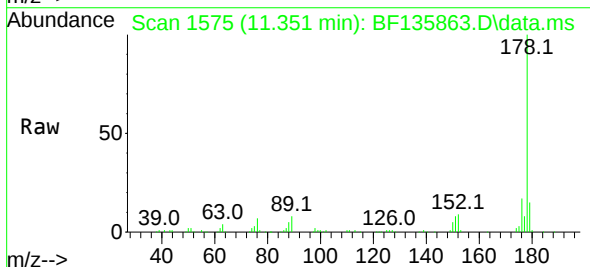
Manual Integrations
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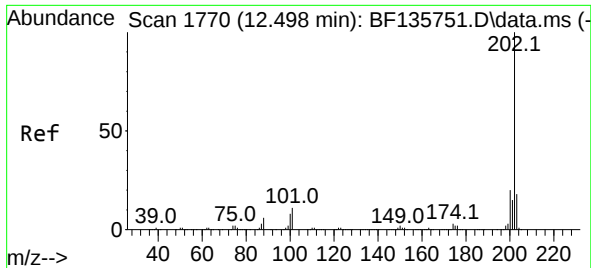
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#72
Anthracene
Concen: 4.060 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

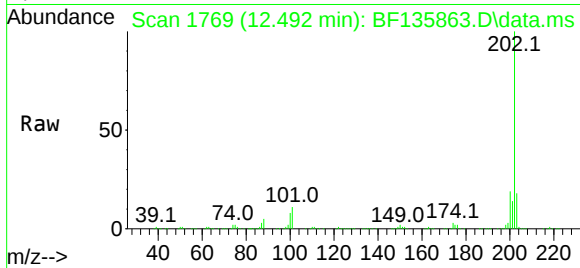
Tgt Ion:178 Resp: 55984
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 18.767 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

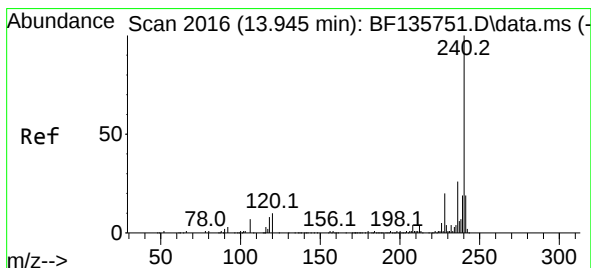
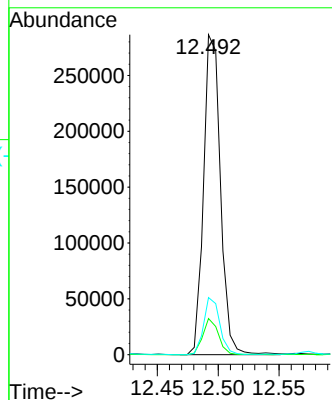
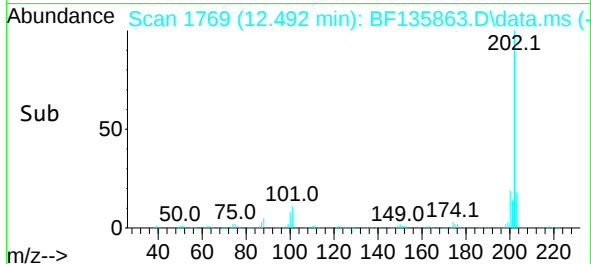
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



Tgt Ion:202 Resp: 27719
Ion Ratio Lower Upper
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101 11.3 0.0 31.5
203 17.8 0.0 38.3

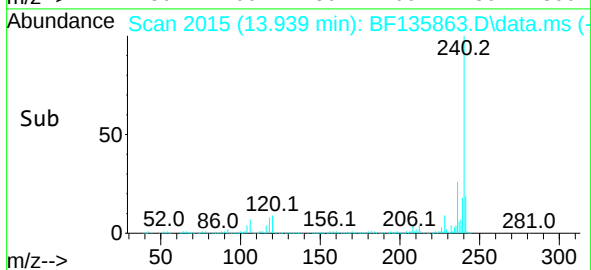
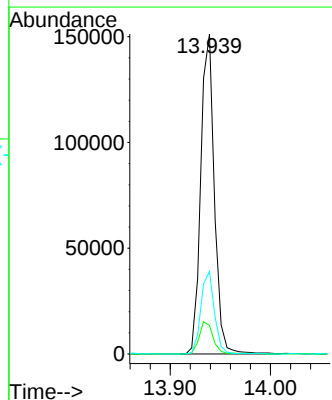
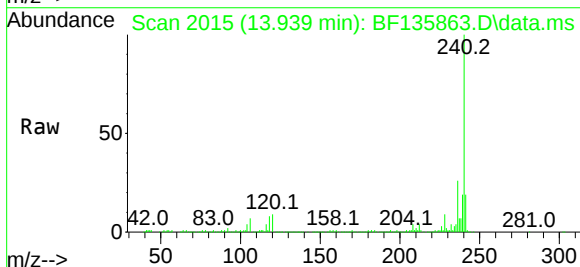
Manual Integrations
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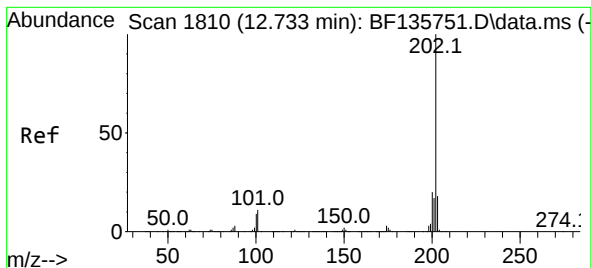
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion:240 Resp: 143078
Ion Ratio Lower Upper
240 100
120 8.9 8.2 12.2
236 25.7 21.2 31.8





#78

Pyrene

Concen: 19.232 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

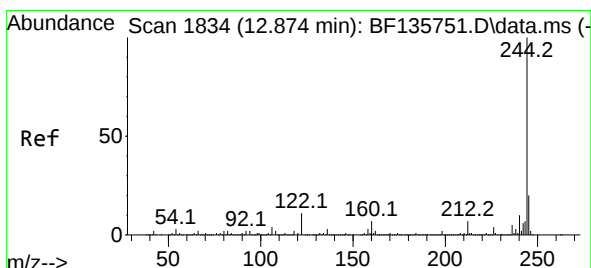
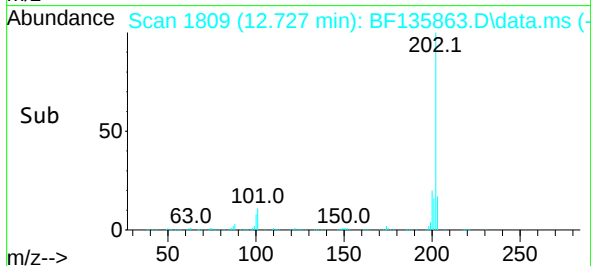
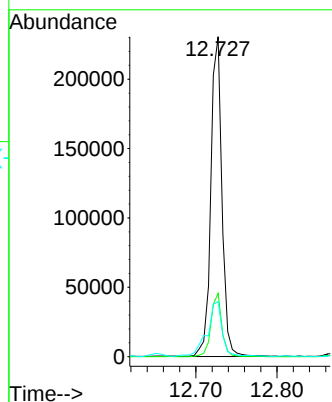
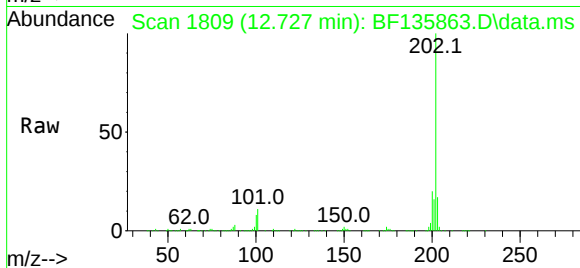
SU-622-COMP-04

Tgt Ion:202 Resp: 218659
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.1 24.1
 203 17.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023



#79

Terphenyl-d14

Concen: 74.574 ng

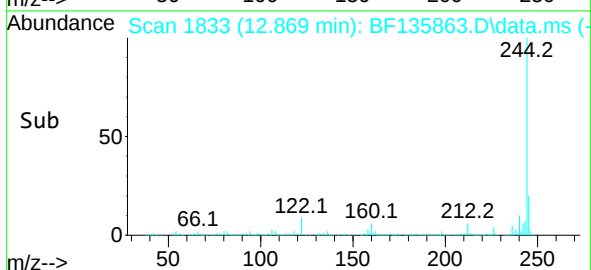
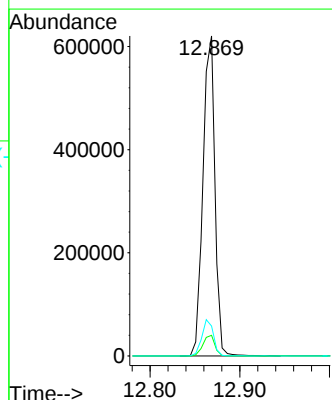
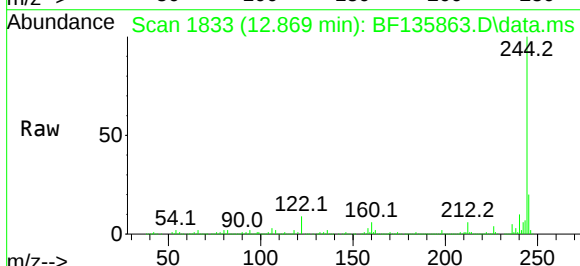
RT: 12.869 min Scan# 1833

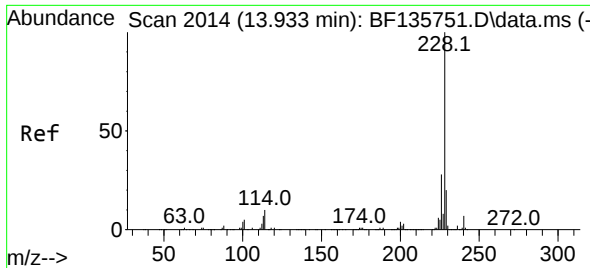
Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

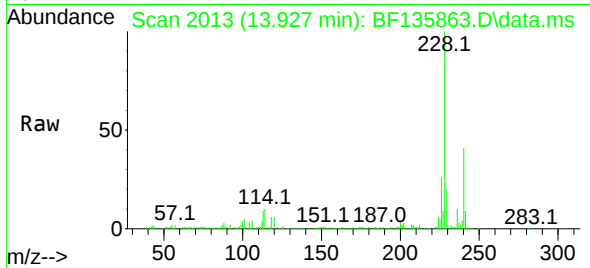
Tgt Ion:244 Resp: 576156
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.4 9.0 13.6





#81
Benzo(a)anthracene
Concen: 8.679 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

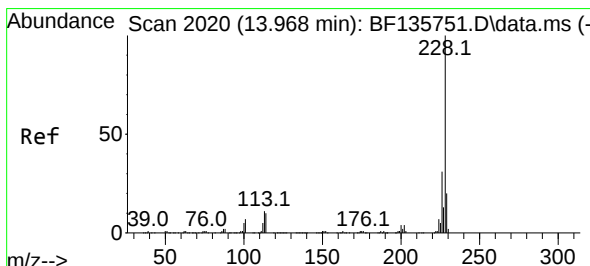
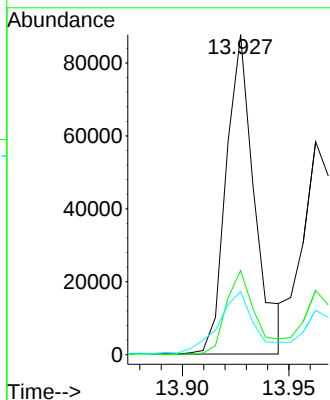
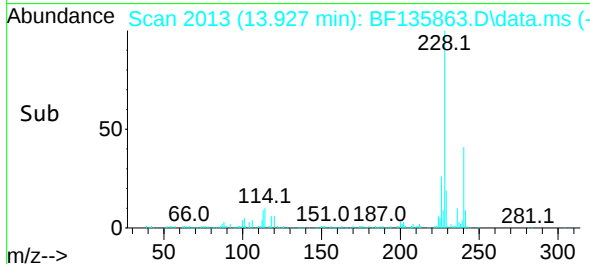
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



Tgt Ion:228 Resp: 81564
Ion Ratio Lower Upper
228 100
226 26.3 22.2 33.2
229 19.8 16.1 24.1

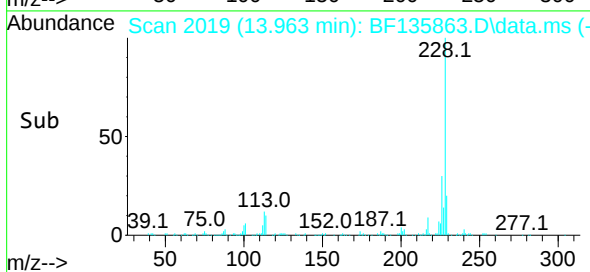
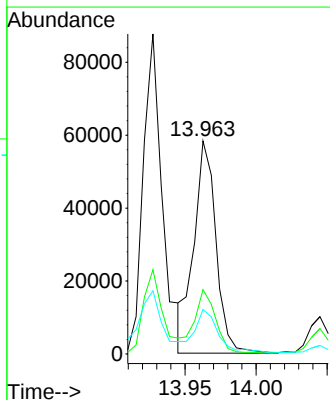
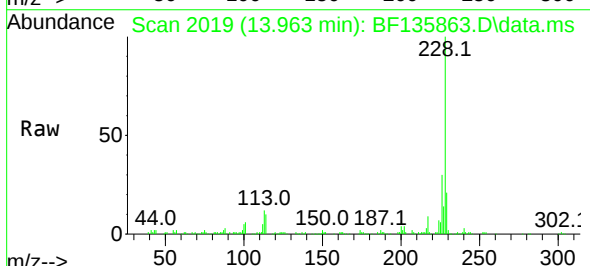
Manual Integrations
APPROVED

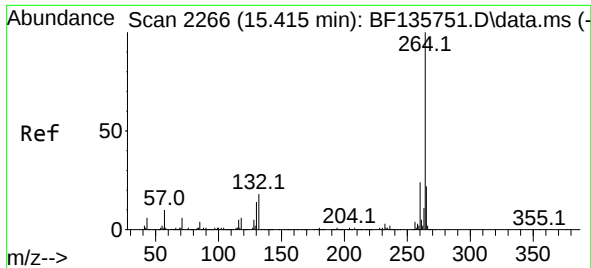
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 6.963 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

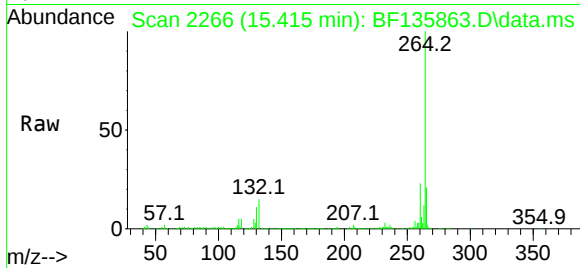
Tgt Ion:228 Resp: 63380
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 20.9 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

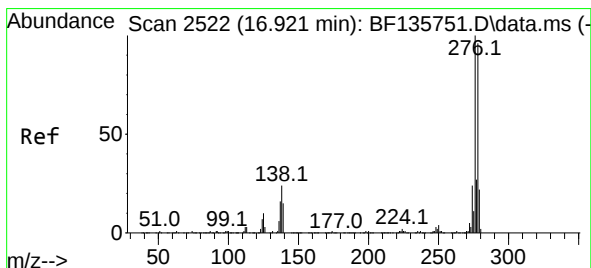
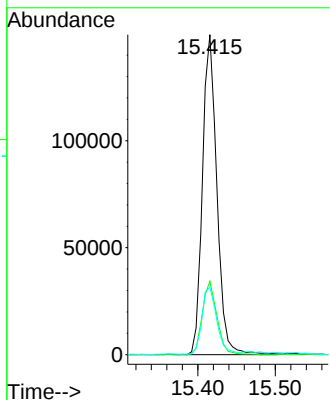
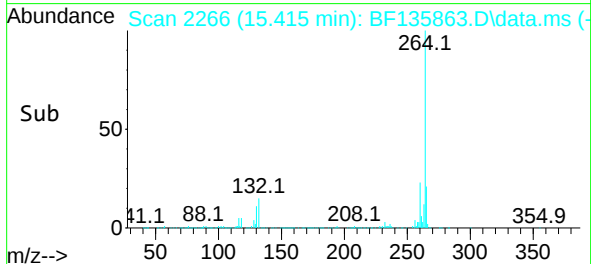
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



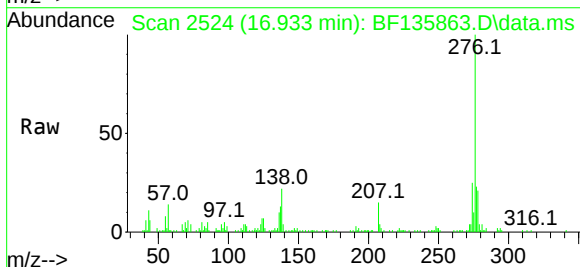
Tgt Ion:264 Resp: 19329
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.1 17.4 26.2

Manual Integrations
APPROVED

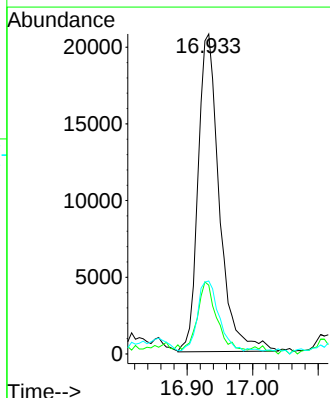
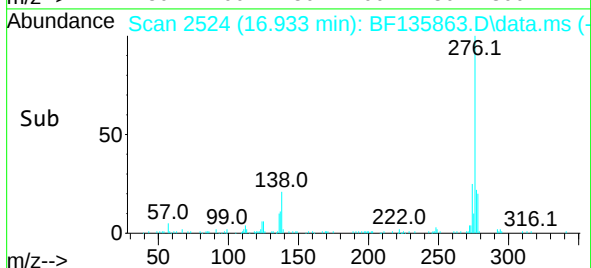
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

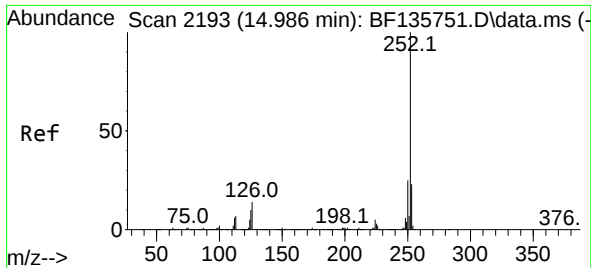


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.453 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28



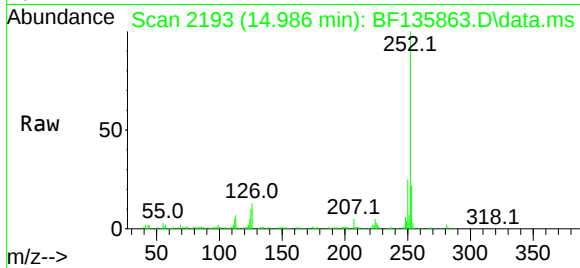
Tgt Ion:276 Resp: 46898
Ion Ratio Lower Upper
276 100
138 22.6 19.8 29.6
277 22.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.659 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

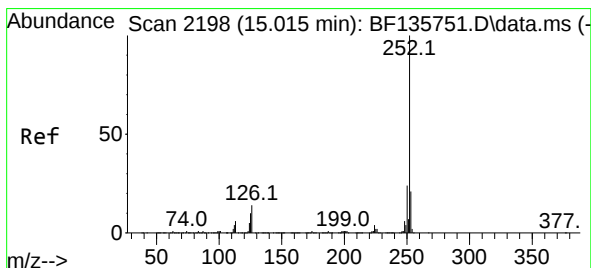
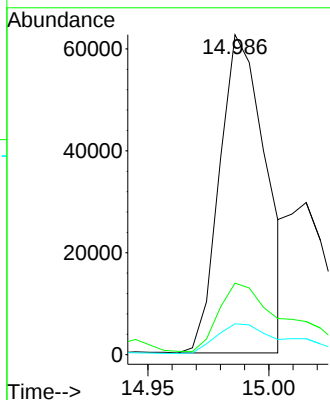
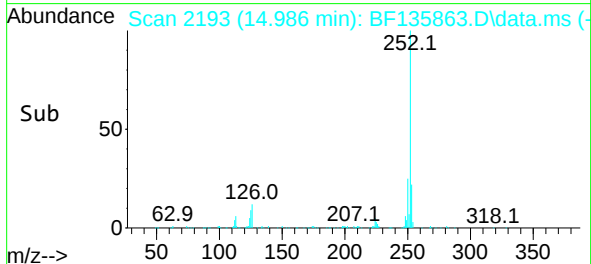
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04



Tgt Ion:252 Resp: 82850
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 9.7 8.2 12.2

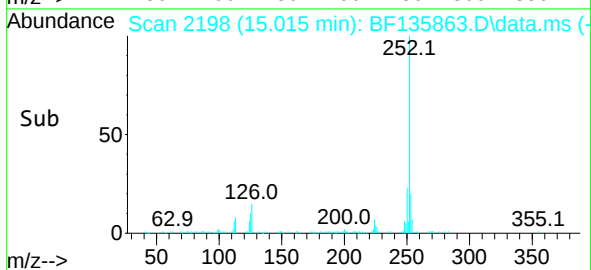
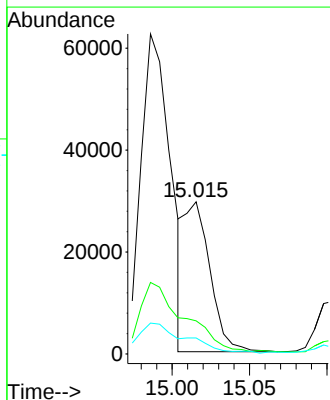
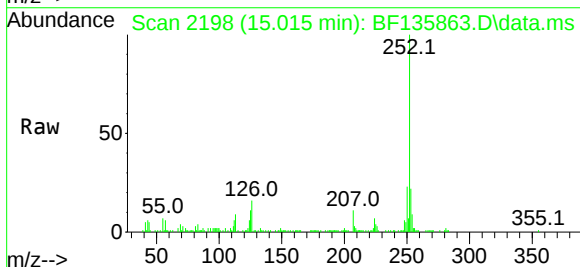
Manual Integrations
APPROVED

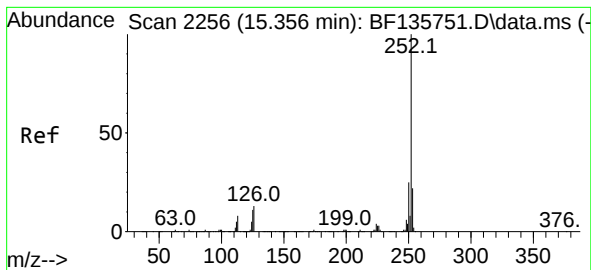
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.239 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion:252 Resp: 34013
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.6 8.3 12.5





#90

Benzo(a)pyrene

Concen: 6.741 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

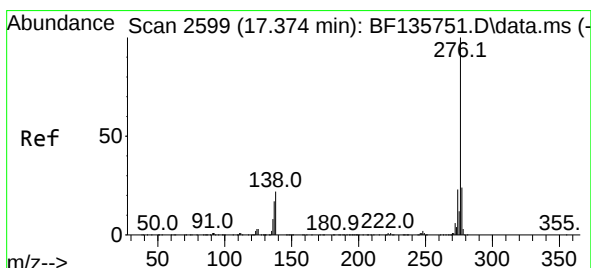
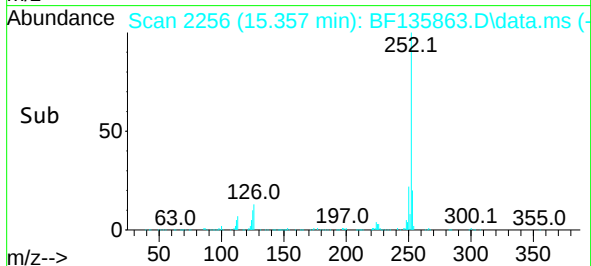
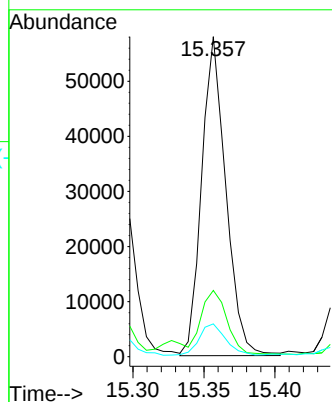
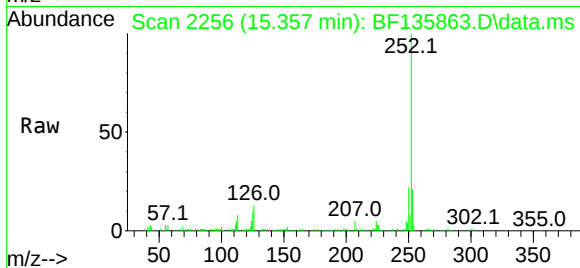
Tgt Ion:	252	Resp:	6857
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.4	26.2
125	10.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#92

Benzo(g,h,i)perylene

Concen: 4.498 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Tgt Ion:	276	Resp:	39895
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.2
138	21.0	17.3	25.9

