

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135765.D
 Acq On : 13 Oct 2023 21:44
 Operator : CG\JU
 Sample : 04825-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-101023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 13 23:38:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	94491	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	336883	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	152188	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	249726	20.000	ng	0.00
76) Chrysene-d12	13.939	240	183611	20.000	ng	0.00
86) Perylene-d12	15.415	264	145241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	62607	10.652	ng	0.00
7) Phenol-d6	6.398	99	83588	11.399	ng	0.00
23) Nitrobenzene-d5	7.310	82	44978	7.343	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	14176	9.707	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	93644	9.621	ng	-0.01
79) Terphenyl-d14	12.863	244	88476	8.924	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	32356	2.705	ng	97
75) Fluoranthene	12.492	202	61109	4.602	ng	99
78) Pyrene	12.727	202	52762	3.616	ng	99
81) Benzo(a)anthracene	13.927	228	25450m	2.110	ng	
83) Chrysene	13.963	228	24745	2.118	ng	# 95
88) Benzo(b)fluoranthene	14.992	252	22839m	2.810	ng	

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

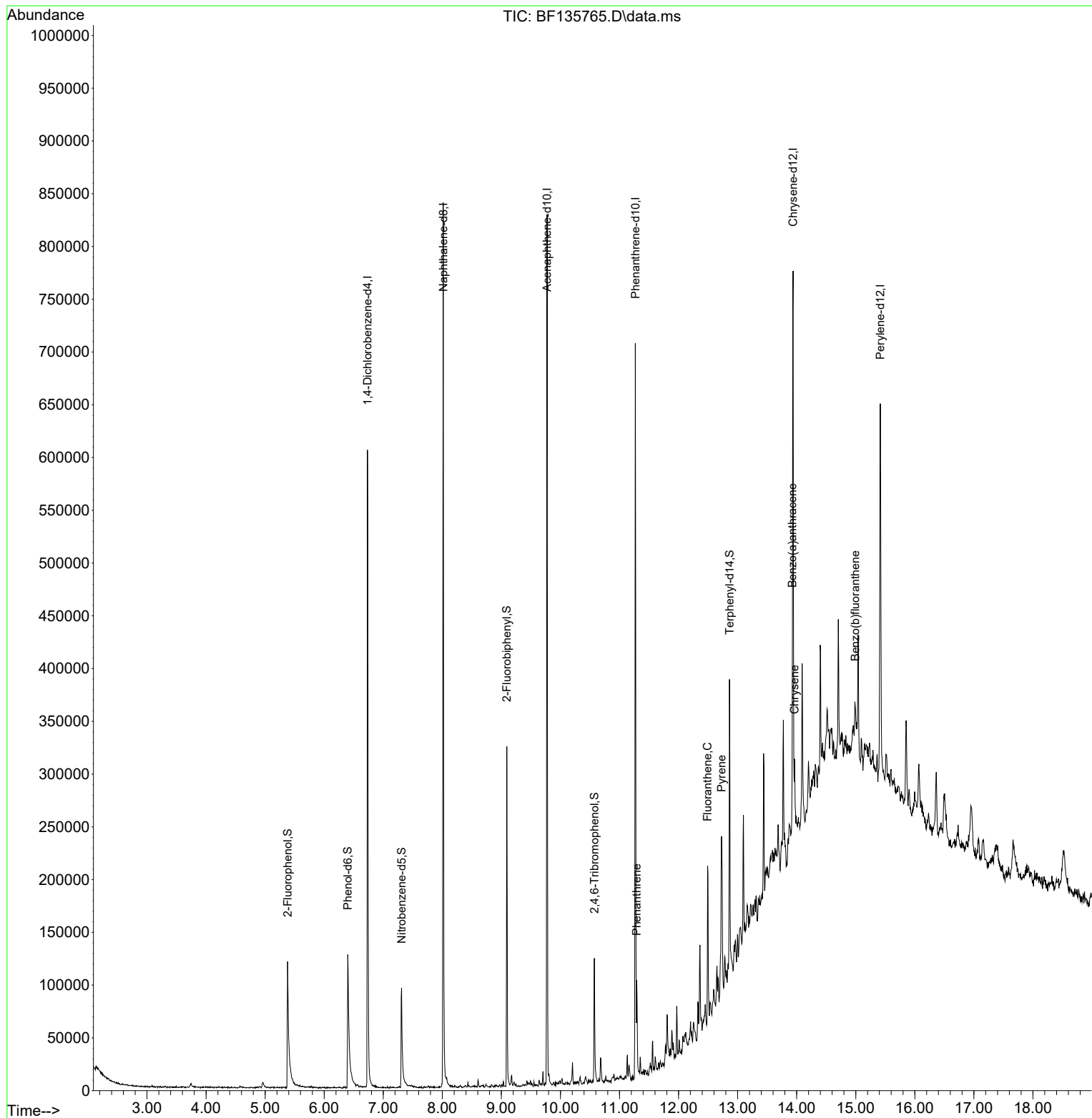
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
Data File : BF135765.D
Acq On : 13 Oct 2023 21:44
Operator : CG\JU
Sample : 04825-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

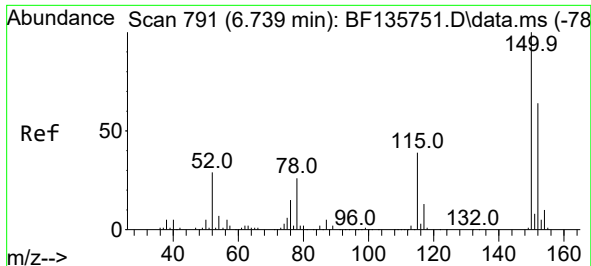
Instrument :
BNA_F
ClientSampleId :
SU-02-101023

Quant Time: Oct 13 23:38:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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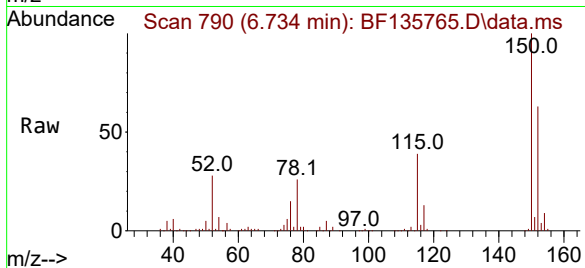
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

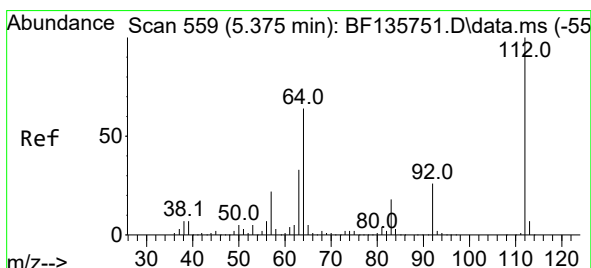
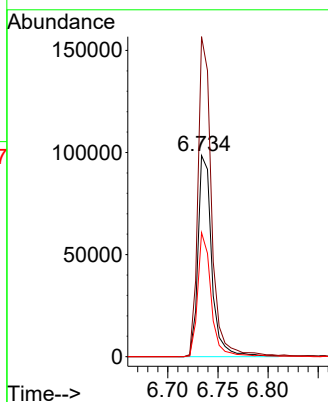
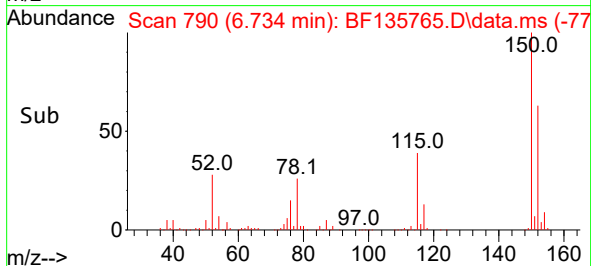
Instrument :
BNA_F
ClientSampleId :
SU-02-101023



Tgt Ion:152 Resp: 9449
Ion Ratio Lower Upper
152 100
150 159.1 124.5 186.7
115 61.7 49.0 73.4

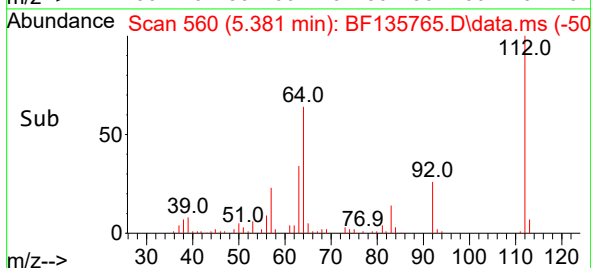
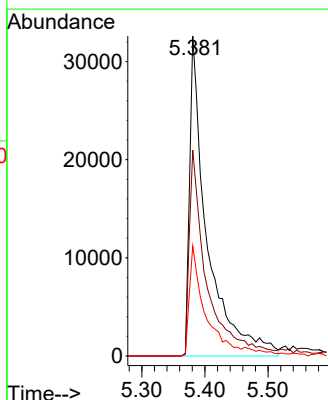
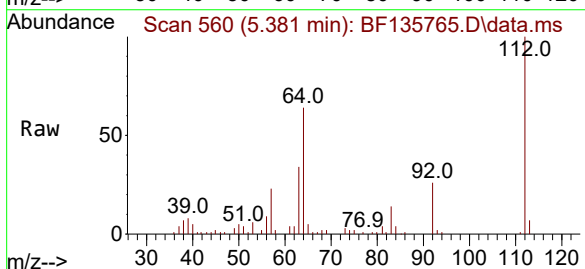
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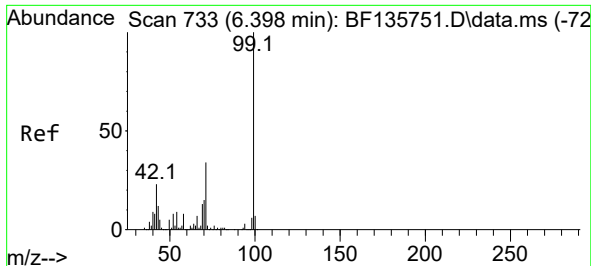
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#5
2-Fluorophenol
Concen: 10.652 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

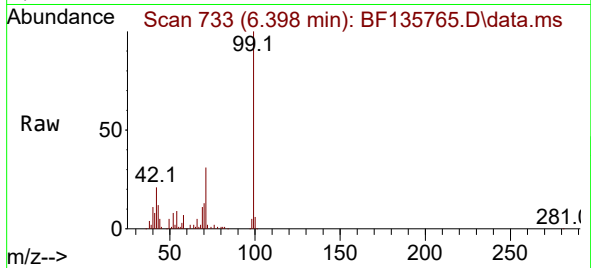
Tgt Ion:112 Resp: 62607
Ion Ratio Lower Upper
112 100
64 64.4 51.2 76.8
63 34.4 26.1 39.1





#7
Phenol-d6
Concen: 11.399 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

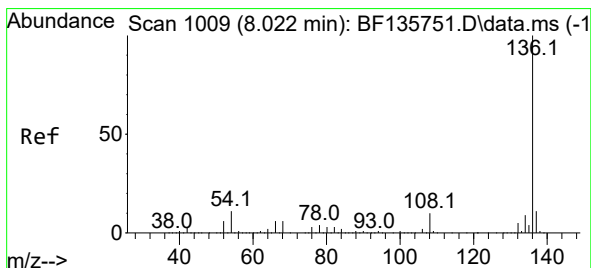
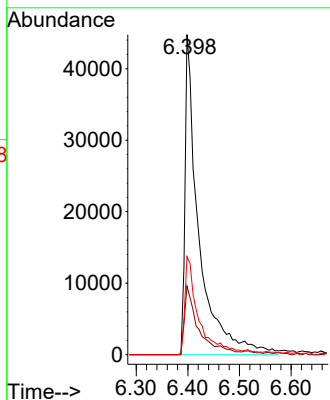
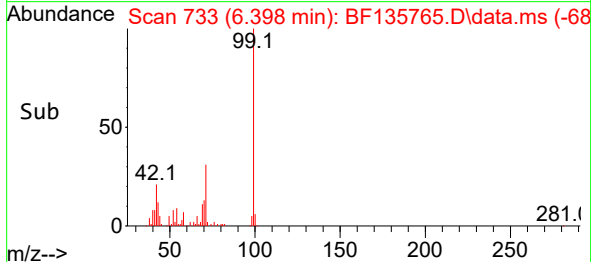
Instrument :
BNA_F
ClientSampleId :
SU-02-101023



Tgt Ion: 99 Resp: 8358
Ion Ratio Lower Upper
99 100
42 21.4 18.4 27.6
71 30.7 27.2 40.8

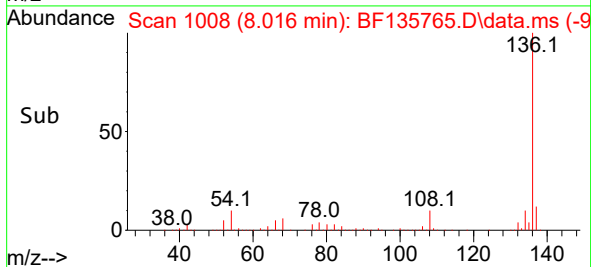
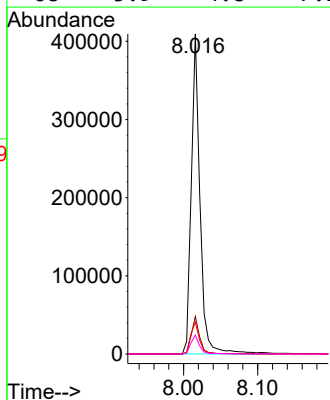
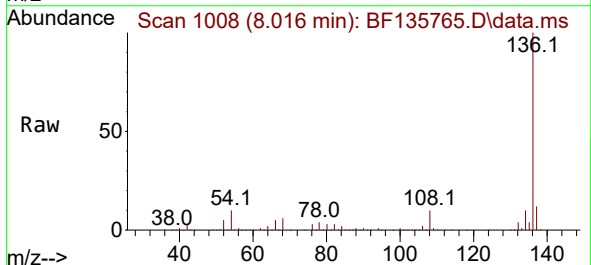
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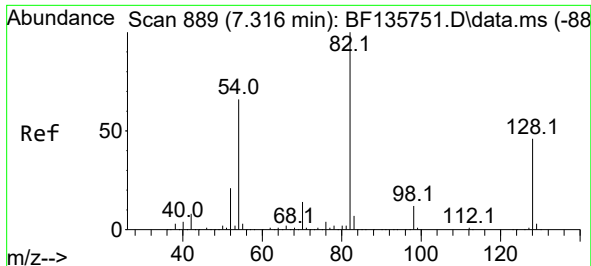
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:136 Resp: 336883
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 10.0 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 7.343 ng

RT: 7.310 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023

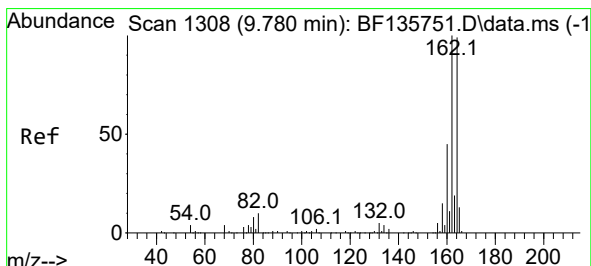
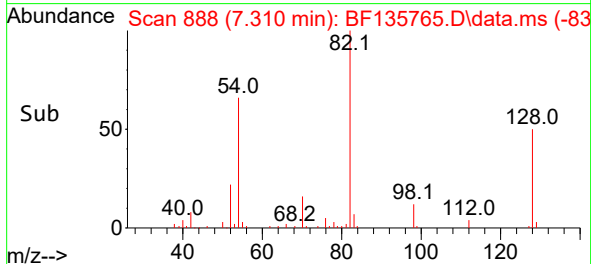
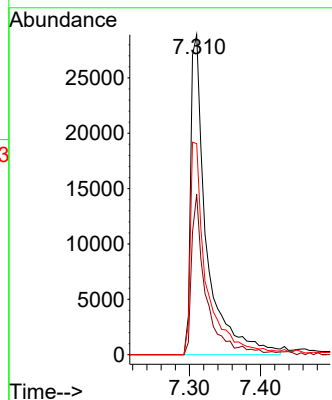
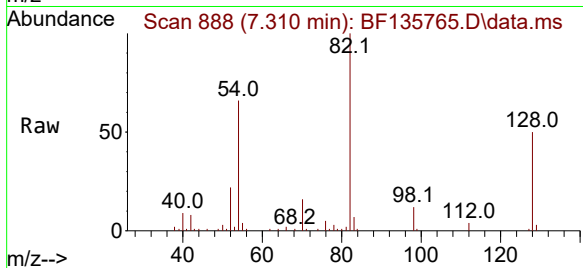
Tgt Ion: 82 Resp: 44978
 Ion Ratio Lower Upper
 82 100
 128 50.1 37.0 55.6
 54 65.9 52.8 79.2

Manual Integrations

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Supervised By :mohammad ahmed 10/17/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

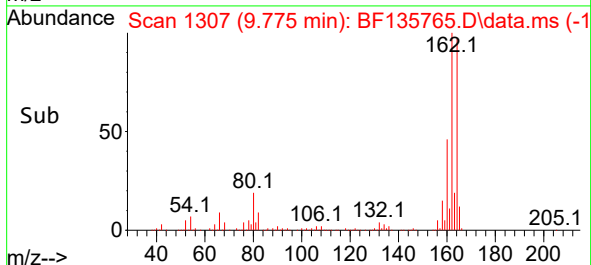
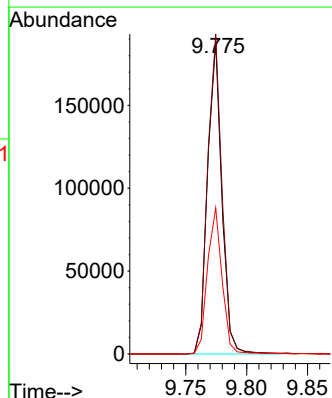
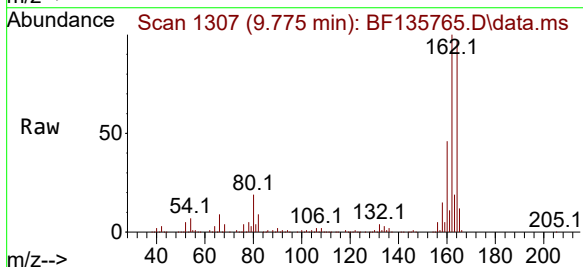
RT: 9.775 min Scan# 1307

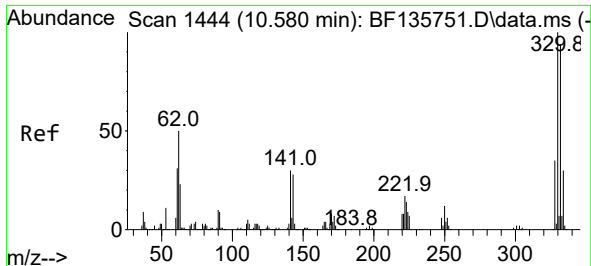
Delta R.T. -0.006 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

Tgt Ion:164 Resp: 152188
 Ion Ratio Lower Upper
 164 100
 162 102.7 80.8 121.2
 160 46.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 9.707 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

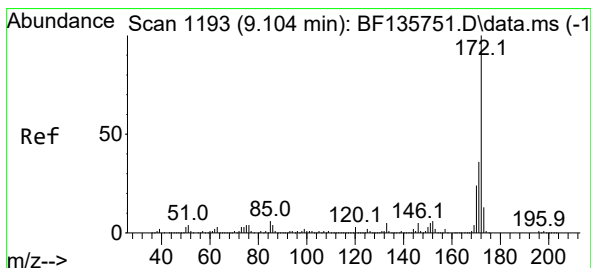
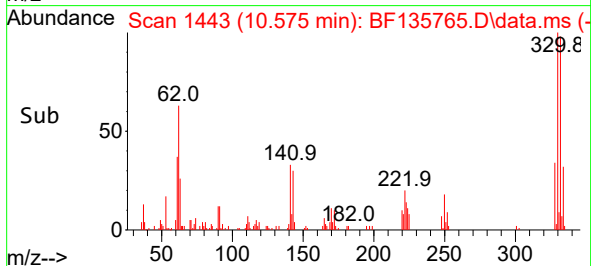
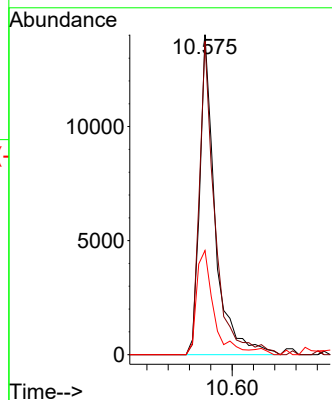
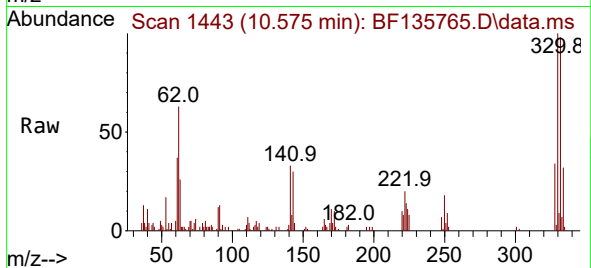
SU-02-101023

Tgt Ion:330 Resp: 14170
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.4
141 36.0 25.8 38.6

Manual Integrations

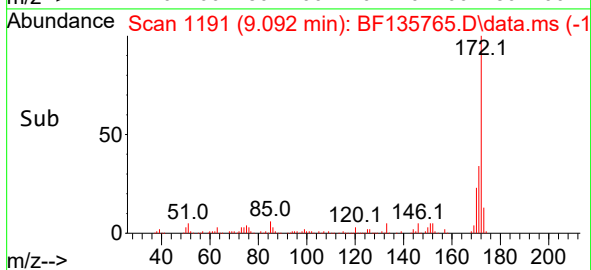
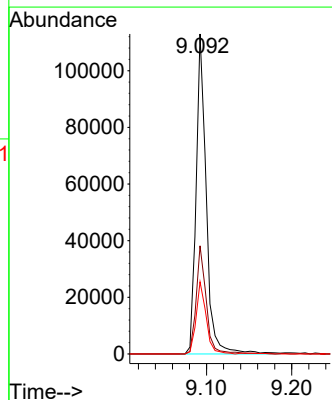
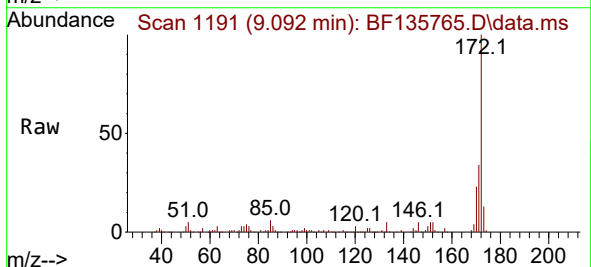
APPROVED

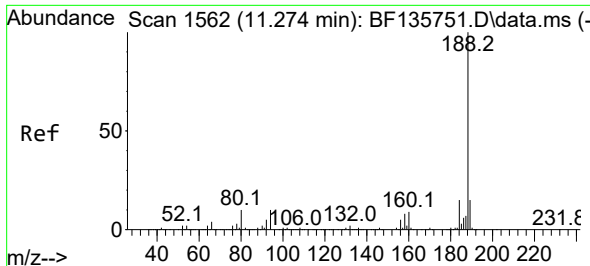
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#45
2-Fluorobiphenyl
Concen: 9.621 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:172 Resp: 93644
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.5 18.8 28.2





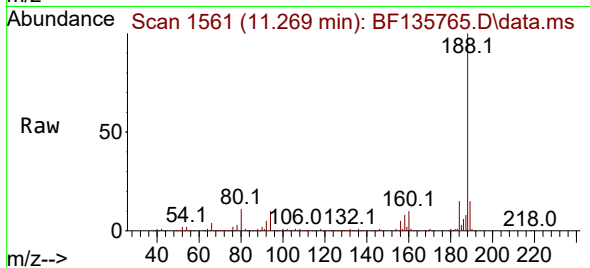
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023



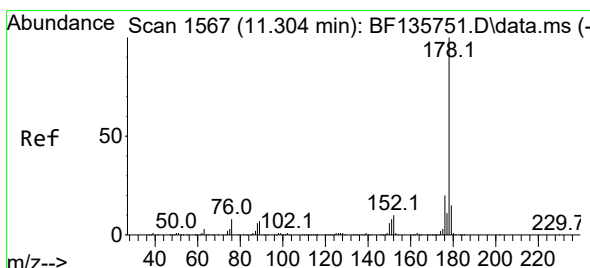
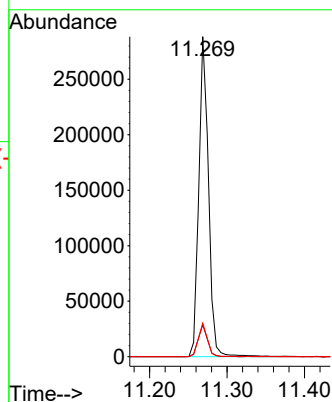
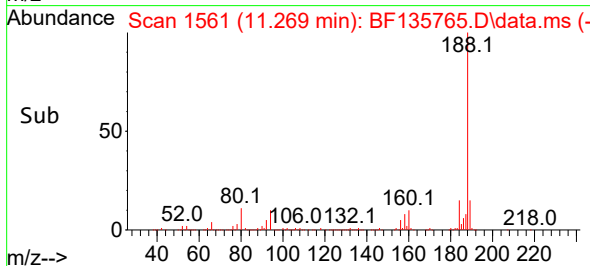
Tgt Ion:188 Resp: 249720
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 10.5 8.3 12.5

Manual Integrations

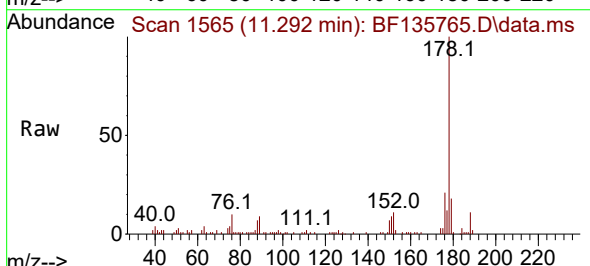
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Reviewed By :Yogesh Patel 10/16/2023

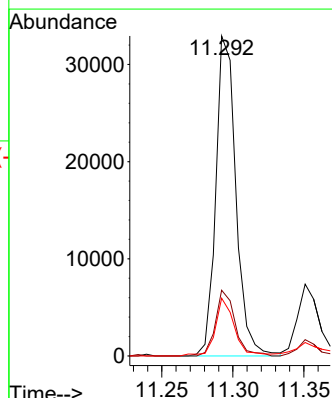
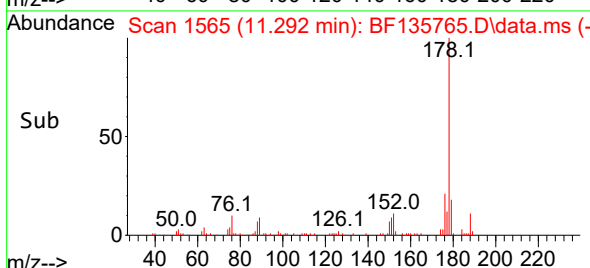
Supervised By :mohammad ahmed 10/17/2023

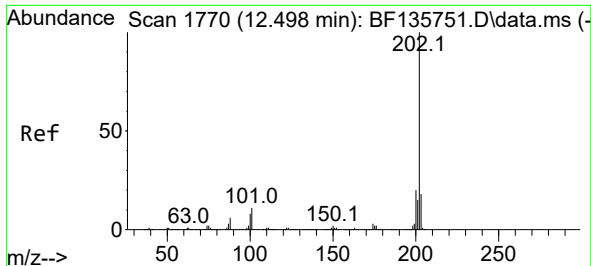


#71
Phenanthrene
Concen: 2.705 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44



Tgt Ion:178 Resp: 32356
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 18.0 12.2 18.4





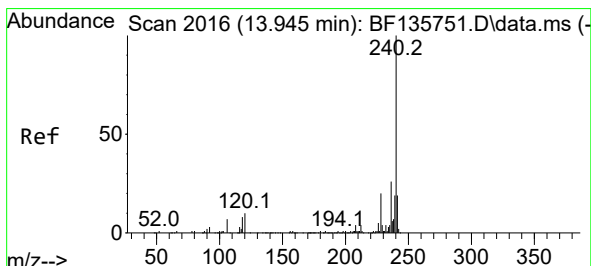
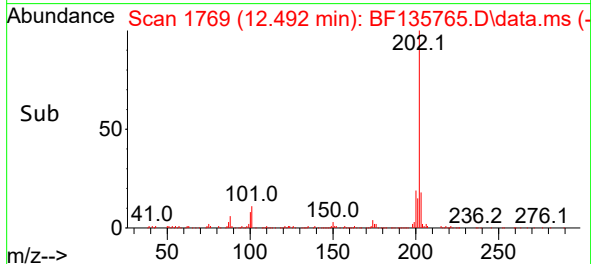
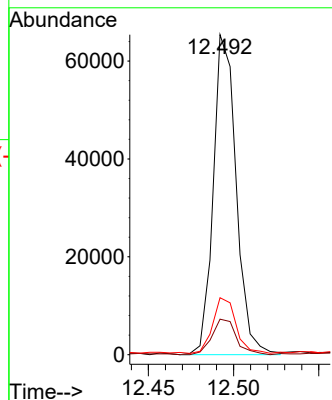
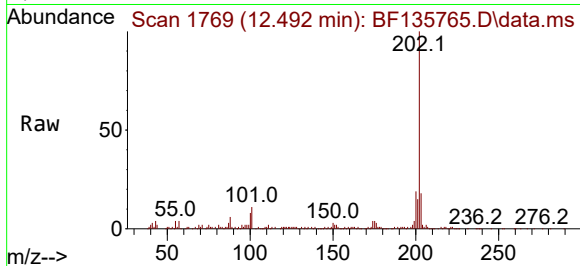
#75
Fluoranthene
Concen: 4.602 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
SU-02-101023

Tgt Ion:202 Resp: 61109
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.8 0.0 38.3

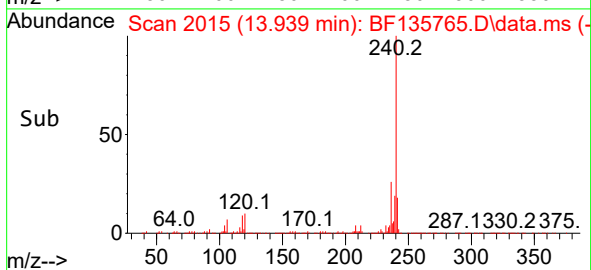
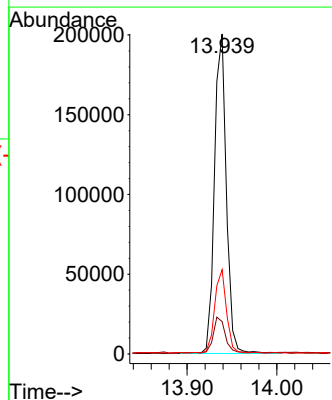
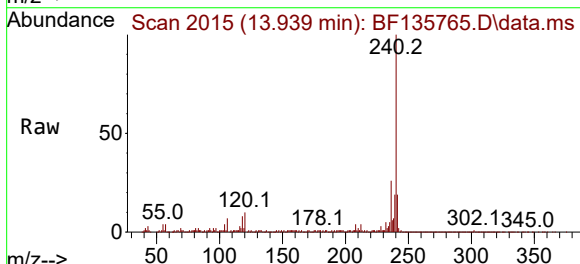
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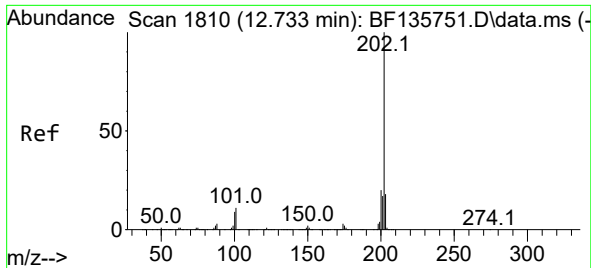
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:240 Resp: 183611
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 26.3 21.2 31.8





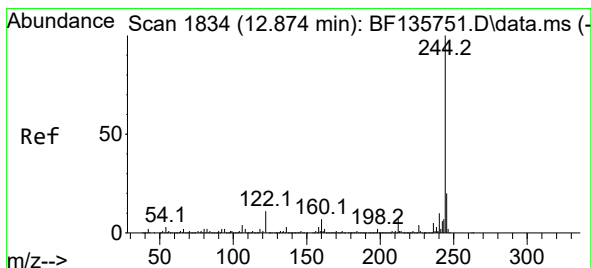
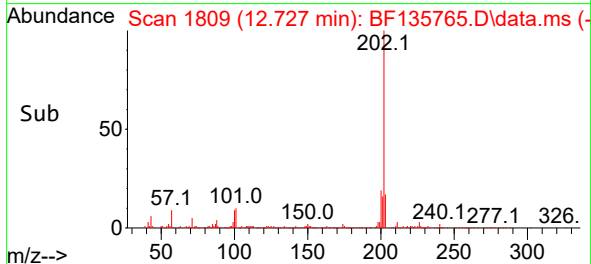
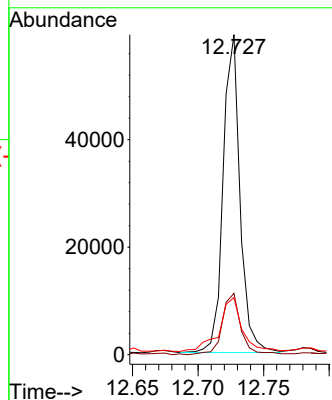
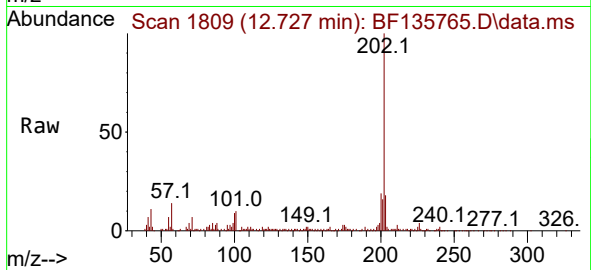
#78
Pyrene
Concen: 3.616 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
SU-02-101023

Tgt Ion:202 Resp: 52762
Ion Ratio Lower Upper
202 100
200 19.2 16.1 24.1
203 17.8 14.2 21.2

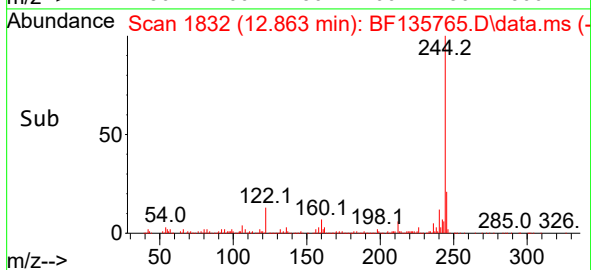
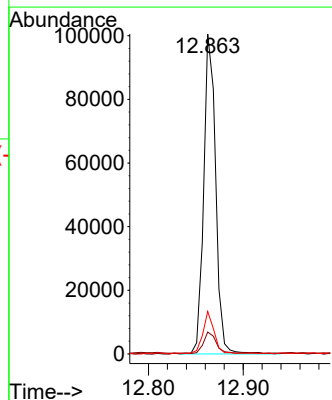
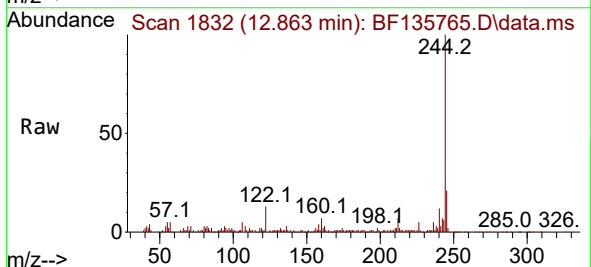
Manual Integrations
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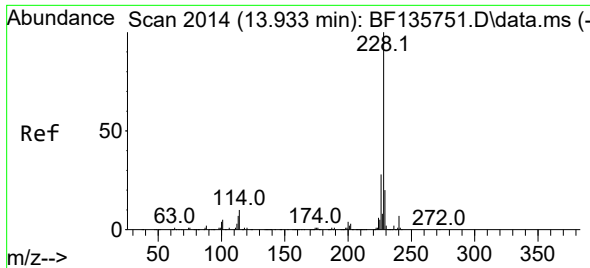
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#79
Terphenyl-d14
Concen: 8.924 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:244 Resp: 88476
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 13.3 9.0 13.6





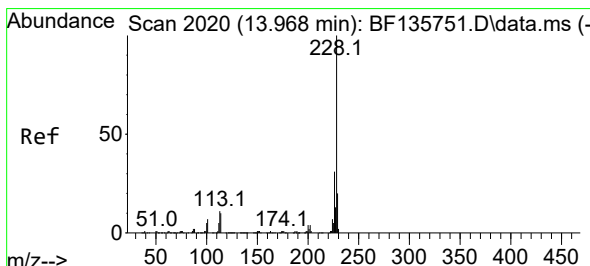
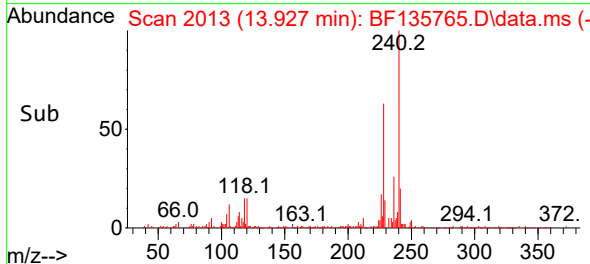
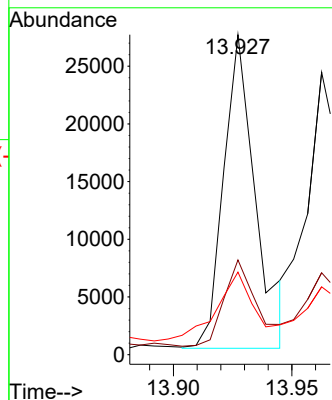
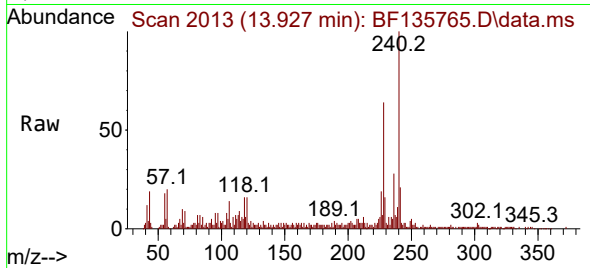
#81
Benzo(a)anthracene
Concen: 2.110 ng m
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
SU-02-101023

Tgt Ion:228 Resp: 25450
Ion Ratio Lower Upper
228 100
226 29.6 22.2 33.2
229 25.8 16.1 24.1

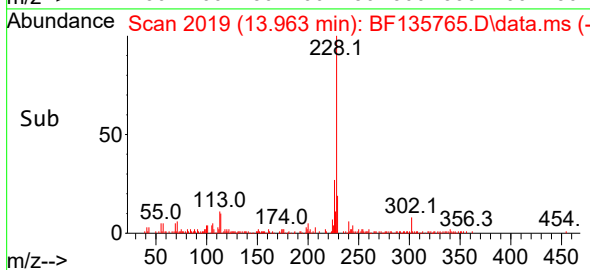
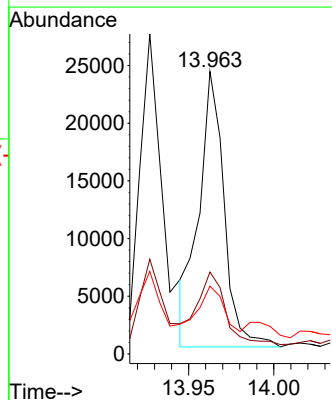
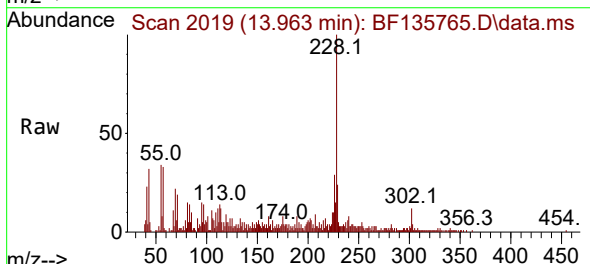
Manual Integrations
APPROVED

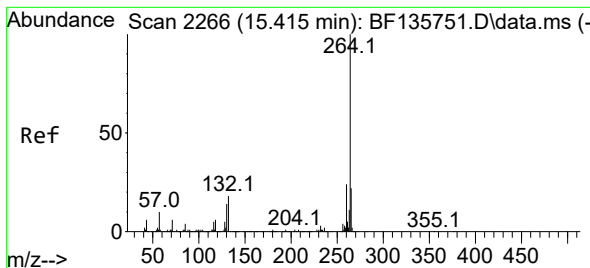
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#83
Chrysene
Concen: 2.118 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:228 Resp: 24745
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 24.0 15.7 23.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: BF135765.D
 Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

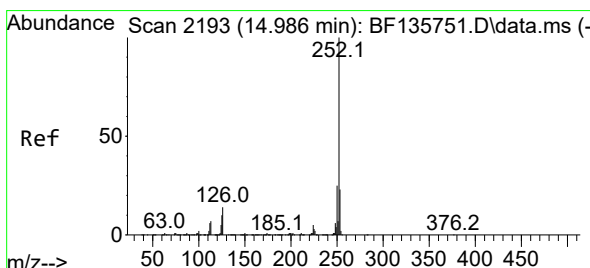
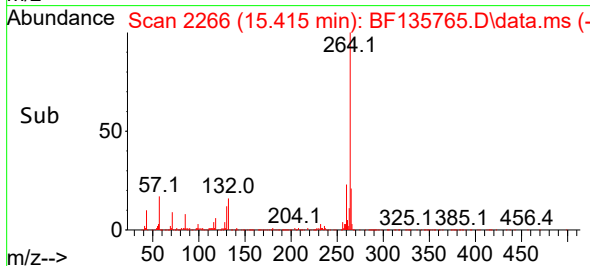
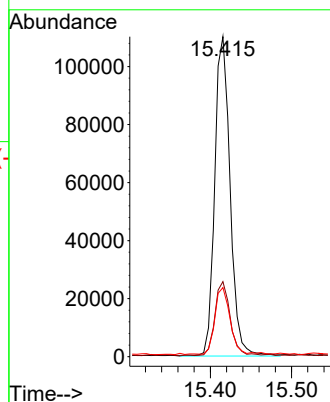
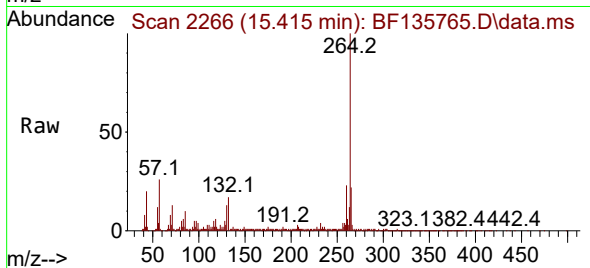
SU-02-101023

Tgt Ion:264 Resp: 14524
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.6 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023



#88
 Benzo(b)fluoranthene
 Concen: 2.810 ng m
 RT: 14.992 min Scan# 2194
 Delta R.T. 0.006 min
 Lab File: BF135765.D
 Acq: 13 Oct 2023 21:44

Tgt Ion:252 Resp: 22839
 Ion Ratio Lower Upper
 252 100
 253 29.7 18.2 27.2#
 125 21.9 8.2 12.2#

