

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135368.D
 Acq On : 20 Sep 2023 20:50
 Operator : CG\JU
 Sample : 04304-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 21 01:54:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	124694	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	434227	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	181535	20.000	ng	-0.01
64) Phenanthrene-d10	11.292	188	252901	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	238397	20.000	ng	0.00
86) Perylene-d12	15.409	264	217121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	845372	110.266	ng	0.01
7) Phenol-d6	6.404	99	1074735	110.245	ng	0.00
23) Nitrobenzene-d5	7.322	82	664611	83.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	152689	84.638	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	974656	81.003	ng	-0.01
79) Terphenyl-d14	12.886	244	753264	48.981	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.316	178	46862	3.918	ng	# 90
75) Fluoranthene	12.510	202	103055	8.269	ng	98
78) Pyrene	12.739	202	95436	4.205	ng	98
81) Benzo(a)anthracene	13.933	228	63089	4.098	ng	96
83) Chrysene	13.968	228	54970	3.592	ng	96
84) Bis(2-ethylhexyl)phtha...	13.927	149	19577	2.387	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.886	276	28523	2.004	ng	96
88) Benzo(b)fluoranthene	14.986	252	76082m	6.473	ng	
90) Benzo(a)pyrene	15.345	252	48544	4.331	ng	# 92
92) Benzo(g,h,i)perylene	17.339	276	27424	2.254	ng	# 94

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

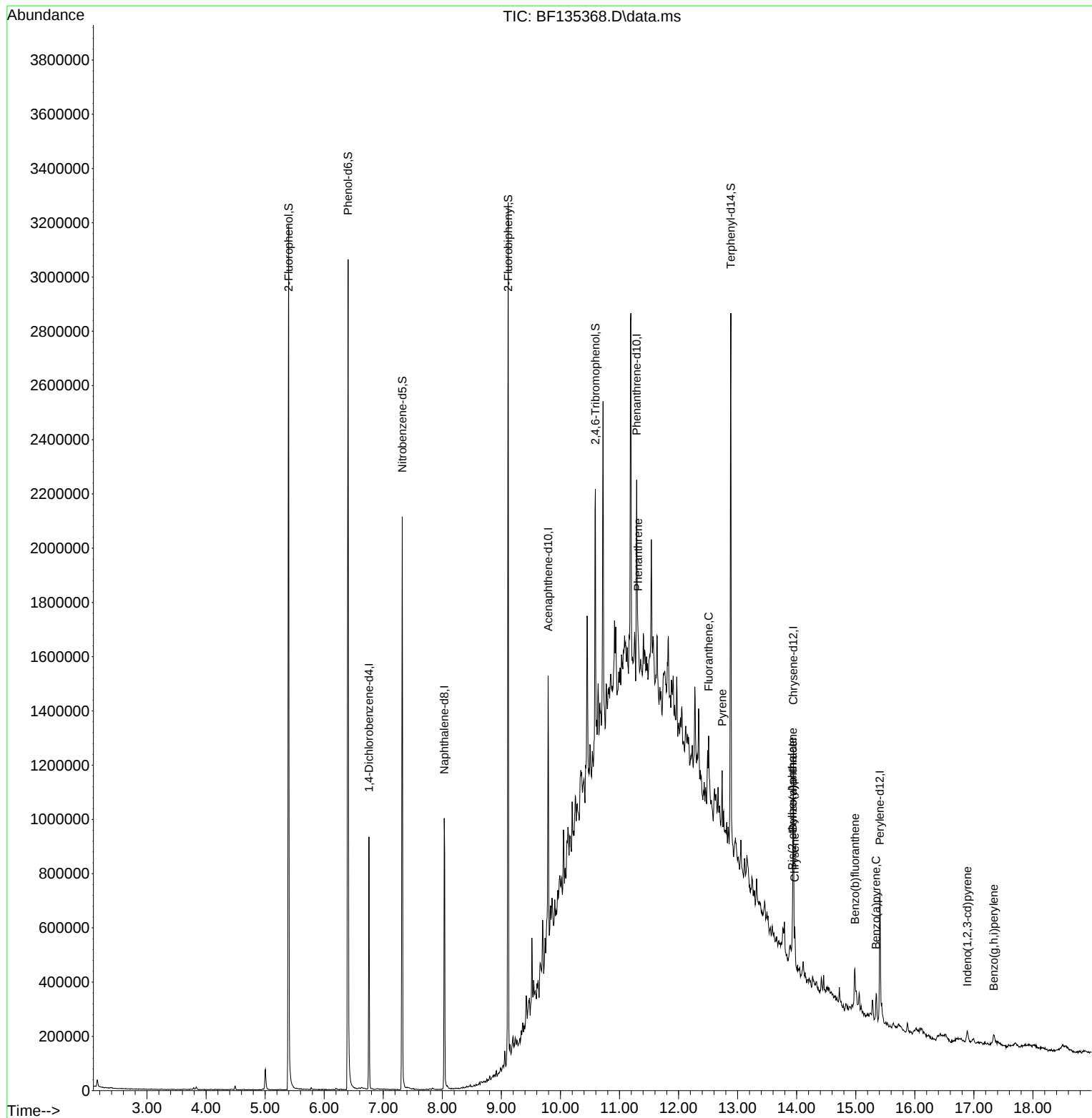
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
Data File : BF135368.D
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BNA_F
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Quant Time: Sep 21 01:54:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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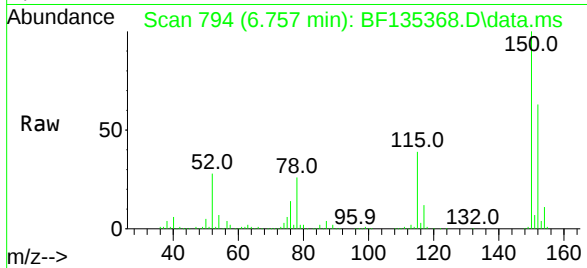
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

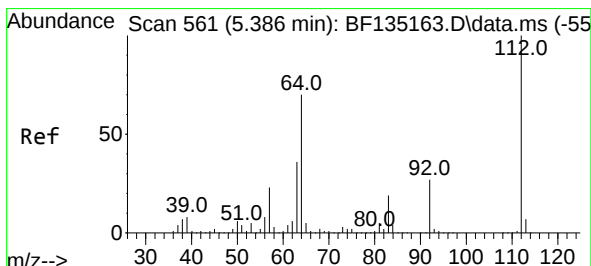
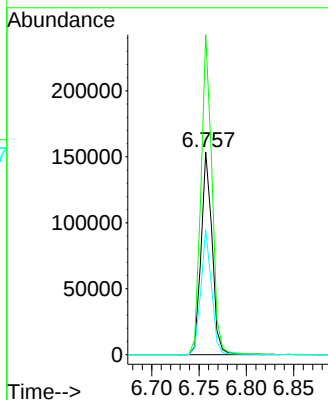
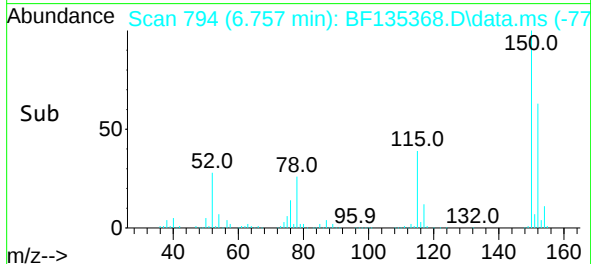
Instrument :
BNA_F
ClientSampleId :
WC-1



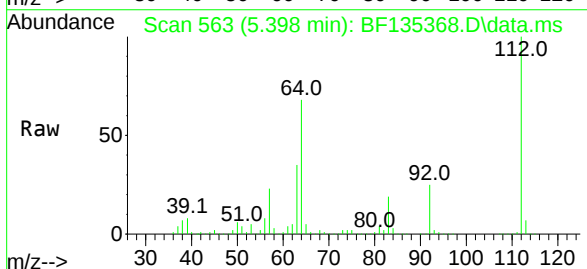
Tgt Ion:152 Resp: 124694
Ion Ratio Lower Upper
152 100
150 158.0 127.8 191.6
115 61.7 49.8 74.8

Manual Integrations
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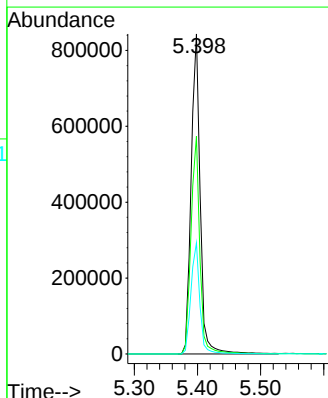
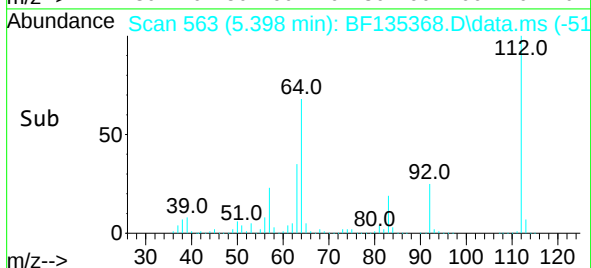
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

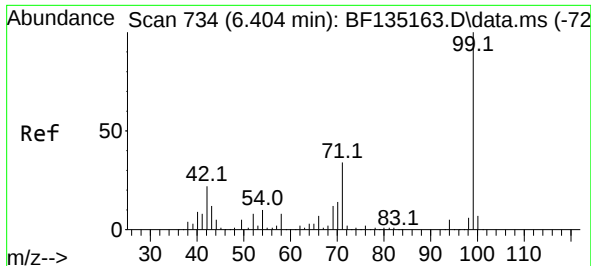


#5
2-Fluorophenol
Concen: 110.266 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50



Tgt Ion:112 Resp: 845372
Ion Ratio Lower Upper
112 100
64 68.0 55.9 83.9
63 34.7 29.0 43.6





#7

Phenol-d6

Concen: 110.245 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 99 Resp: 107473

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

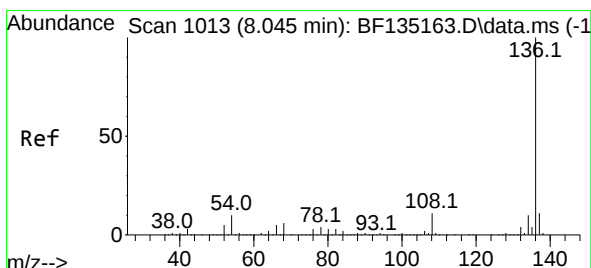
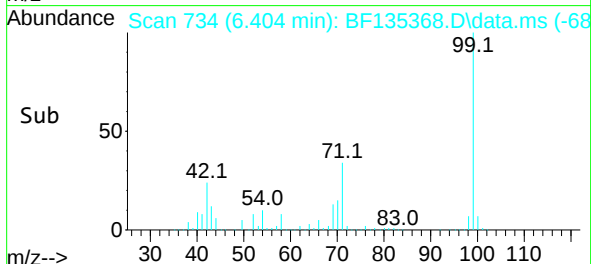
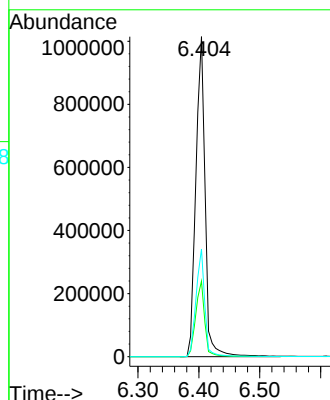
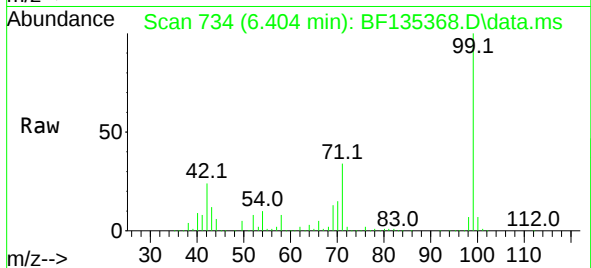
71 33.7 27.0 40.6

Manual Integrations

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Supervised By :mohammad ahmed 09/21/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.033 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Tgt Ion:136 Resp: 434227

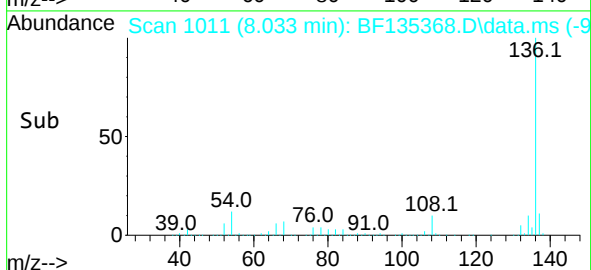
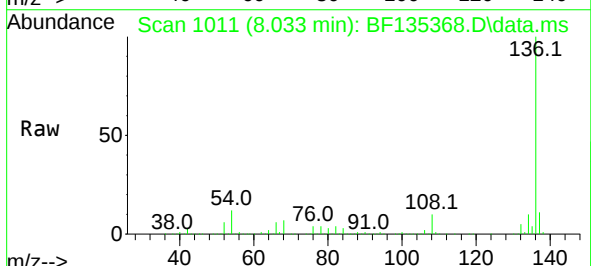
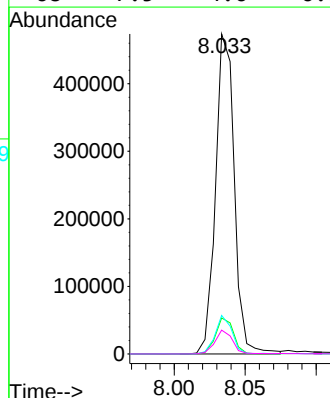
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 12.1 7.7 11.5#

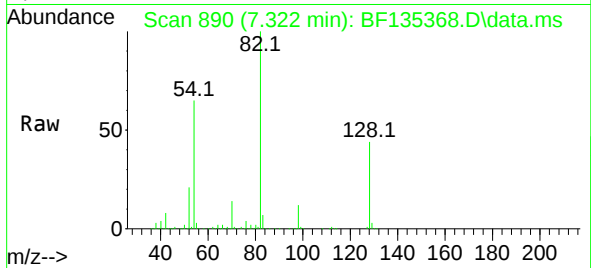
68 7.5 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 83.154 ng
RT: 7.322 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

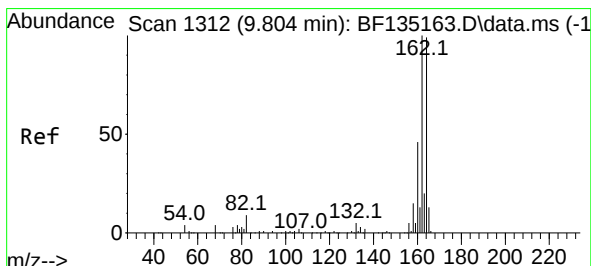
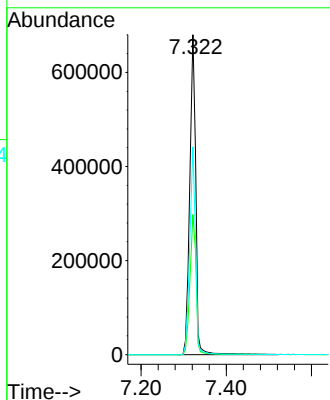
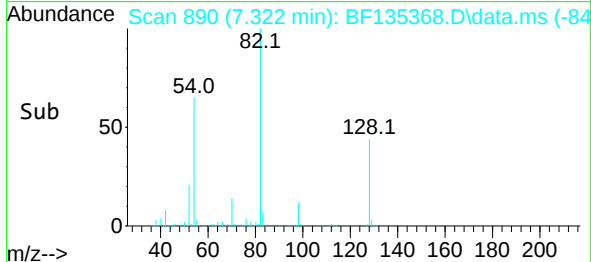
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 66461
Ion Ratio Lower Upper
82 100
128 43.8 35.8 53.6
54 65.0 50.6 76.0

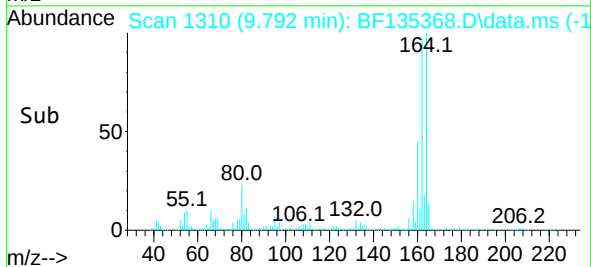
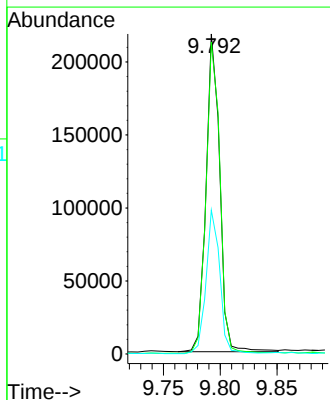
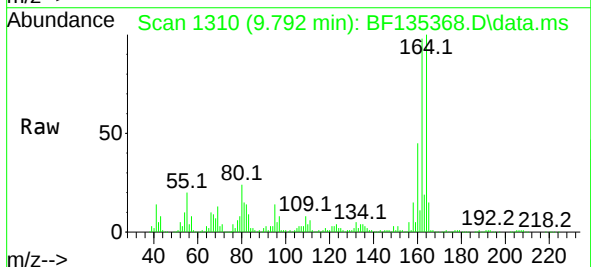
Manual Integrations
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Supervised By :mohammad ahmed 09/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

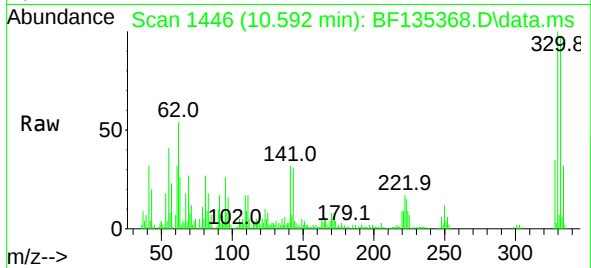
Tgt Ion:164 Resp: 181535
Ion Ratio Lower Upper
164 100
162 97.5 81.0 121.4
160 45.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 84.638 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

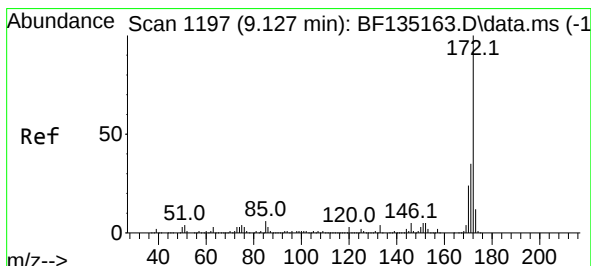
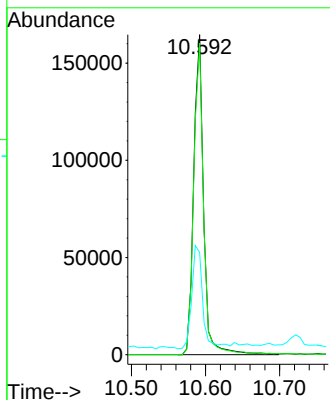
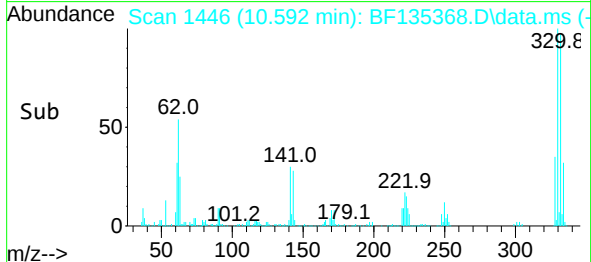
Instrument :
BNA_F
ClientSampleId :
WC-1



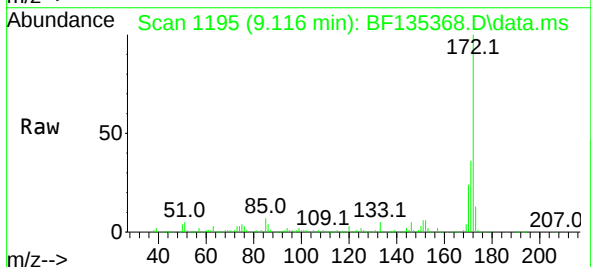
Tgt Ion: 330 Resp: 152689
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 35.9 25.8 38.8

Manual Integrations
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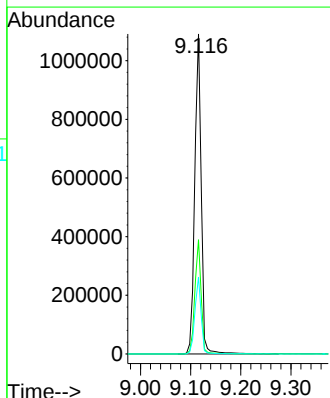
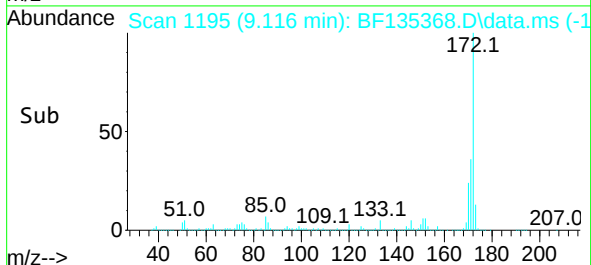
Reviewed By : Yogesh Patel 09/21/2023
Supervised By : mohammad ahmed 09/21/2023

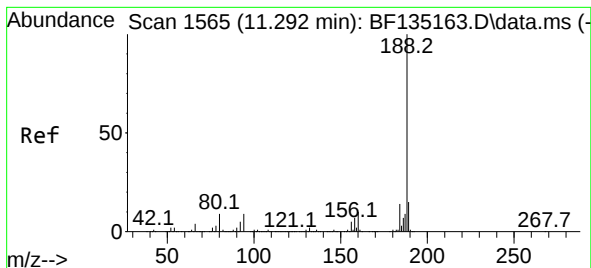


#45
2-Fluorobiphenyl
Concen: 81.003 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50



Tgt Ion: 172 Resp: 974656
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.1 19.0 28.4





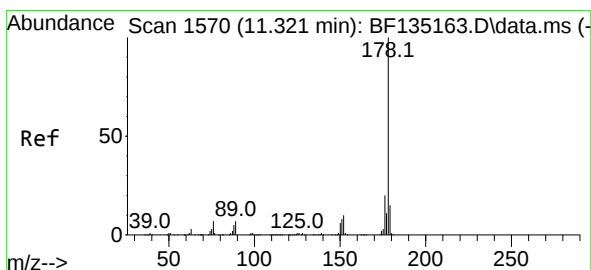
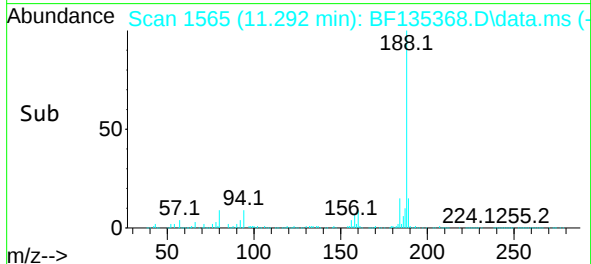
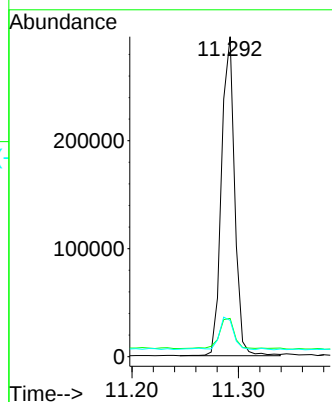
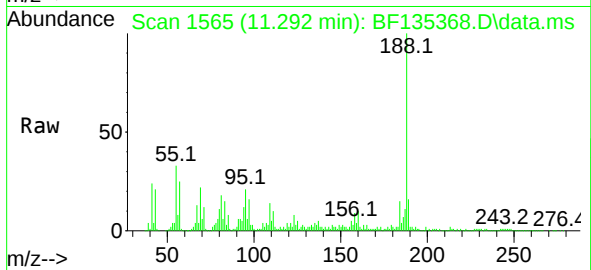
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 252900
Ion Ratio Lower Upper
188 100
94 11.9 7.0 10.6
80 11.4 7.5 11.3

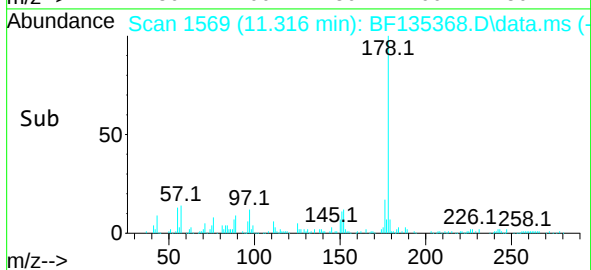
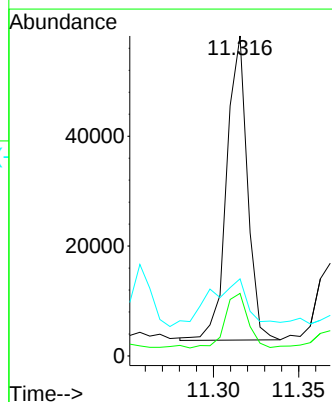
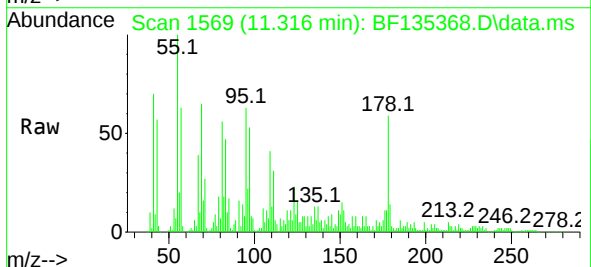
Manual Integrations
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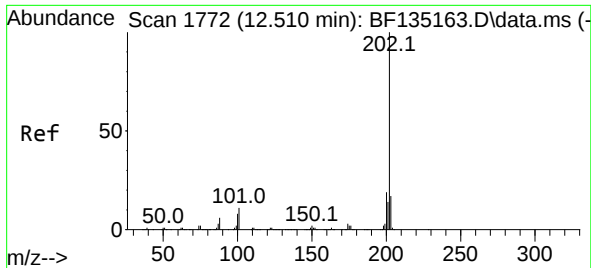
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#71
Phenanthrene
Concen: 3.918 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

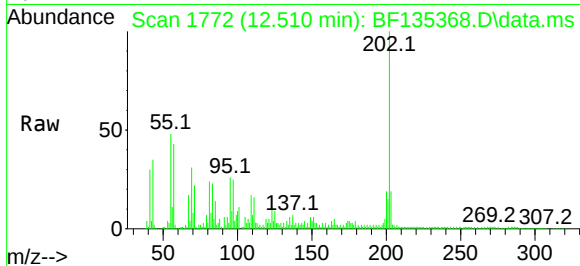
Tgt Ion:178 Resp: 46862
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 24.1 12.0 18.0





#75
Fluoranthene
Concen: 8.269 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

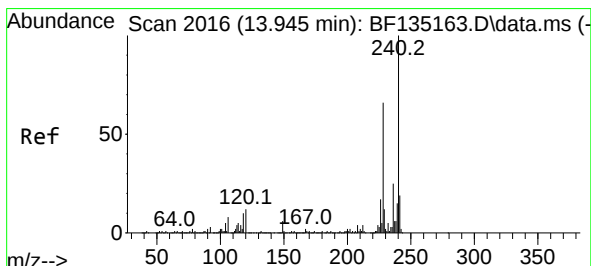
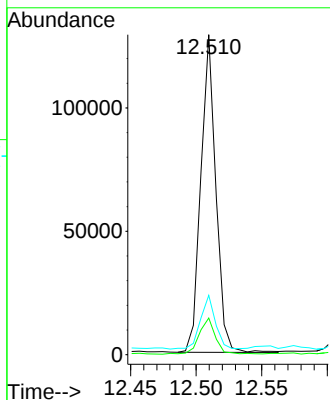
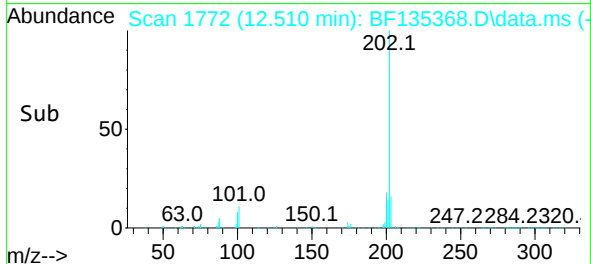
Instrument :
BNA_F
ClientSampleId :
WC-1



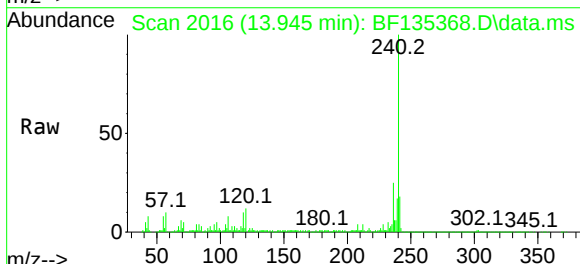
Tgt Ion:202 Resp: 10305
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 18.5 0.0 37.4

Manual Integrations
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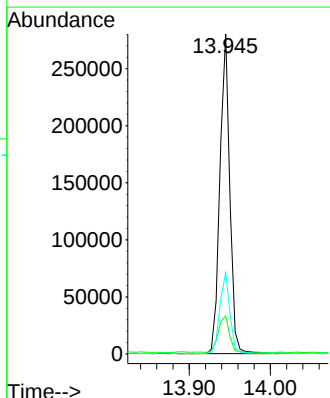
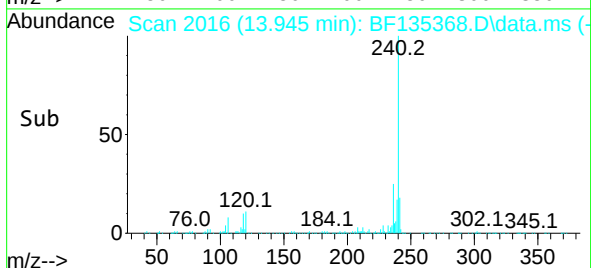
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

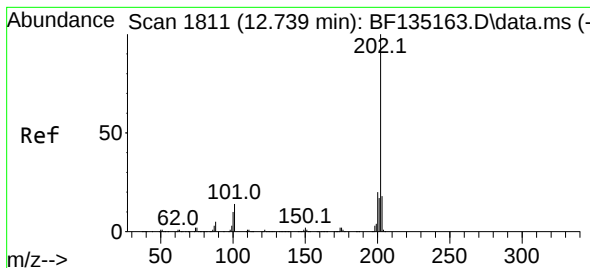


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50



Tgt Ion:240 Resp: 238397
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 4.205 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135368.D

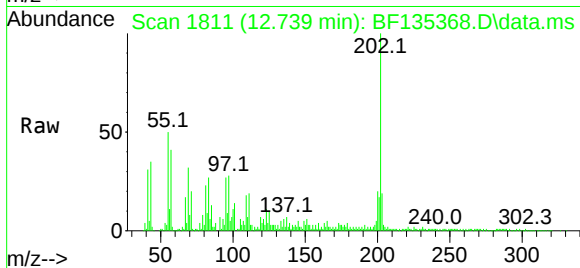
Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1



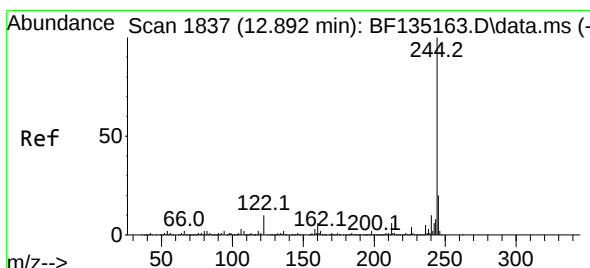
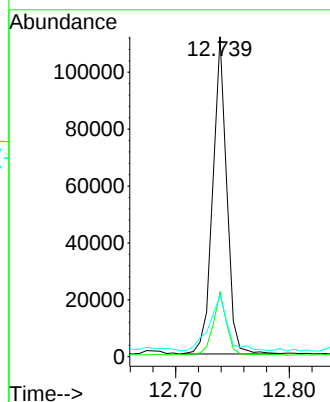
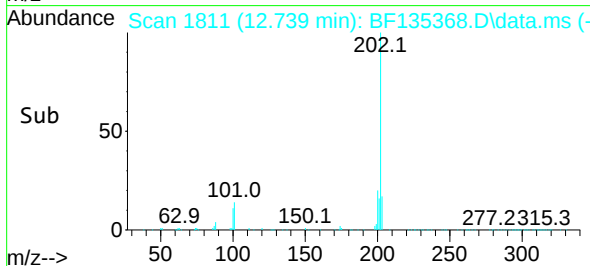
Tgt Ion:	202	Resp:	95430
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.2
203	19.2	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#79

Terphenyl-d14

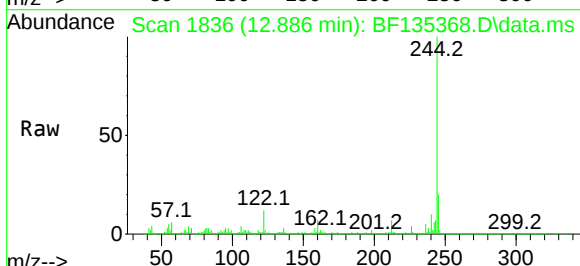
Concen: 48.981 ng

RT: 12.886 min Scan# 1836

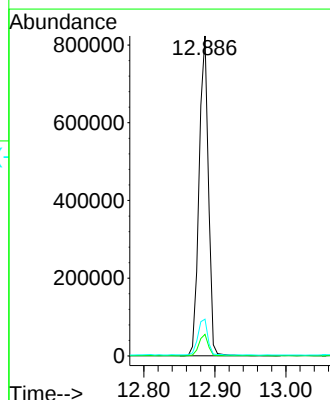
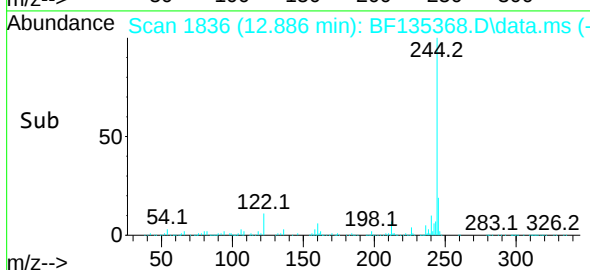
Delta R.T. -0.006 min

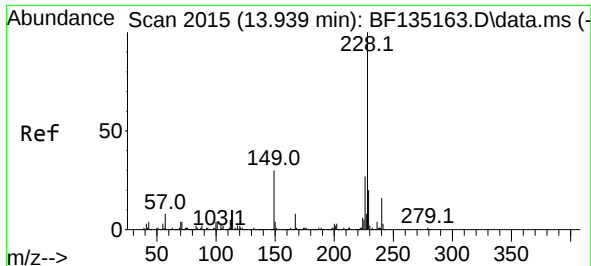
Lab File: BF135368.D

Acq: 20 Sep 2023 20:50



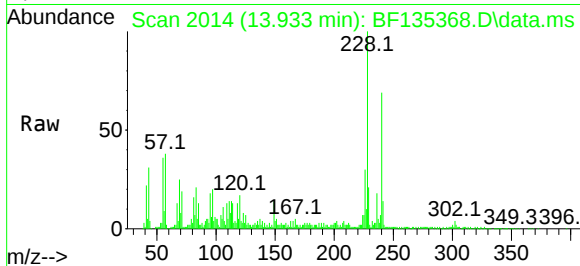
Tgt Ion:	244	Resp:	753264
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.1	7.7
122	11.5	7.9	11.9





#81
Benzo(a)anthracene
Concen: 4.098 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

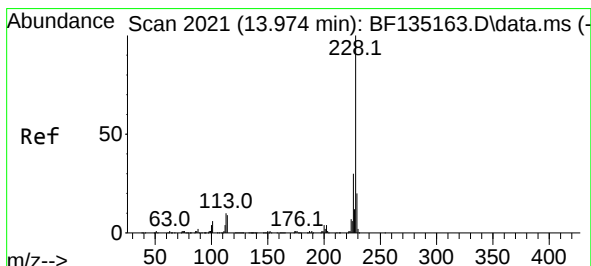
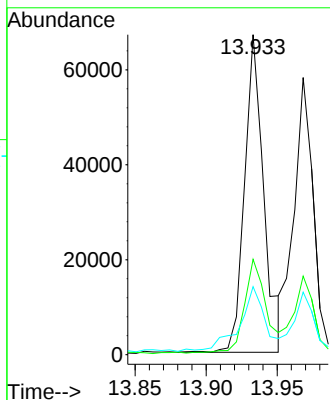
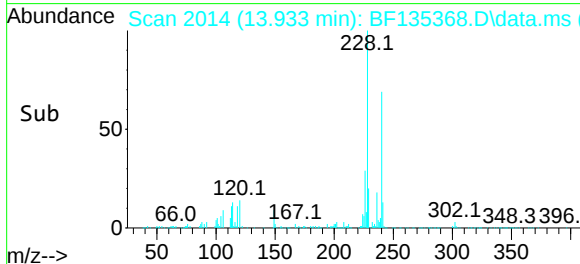
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 63089
Ion Ratio Lower Upper
228 100
226 29.8 21.7 32.5
229 21.2 15.8 23.8

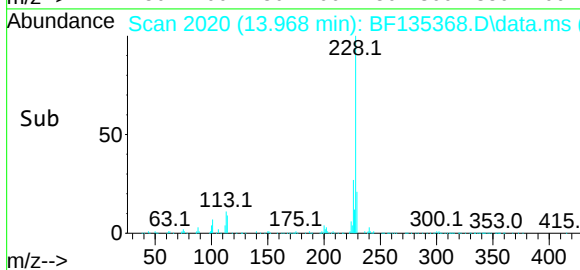
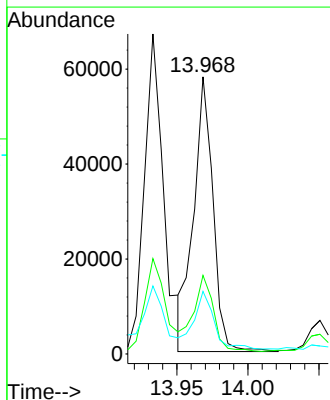
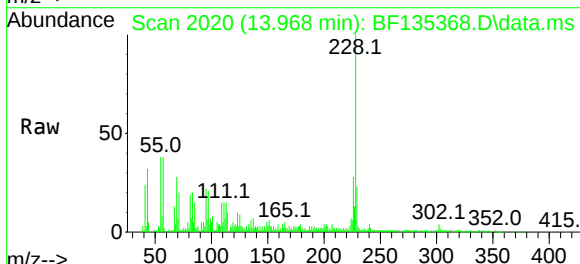
Manual Integrations
APPROVED

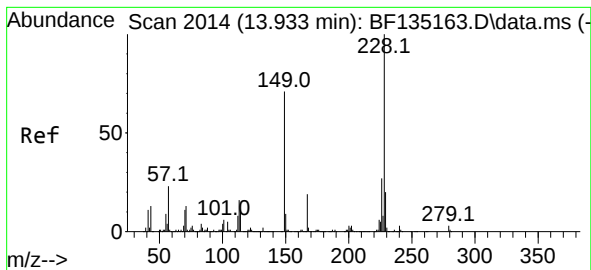
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#83
Chrysene
Concen: 3.592 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion:228 Resp: 54970
Ion Ratio Lower Upper
228 100
226 28.4 24.3 36.5
229 22.6 16.0 24.0





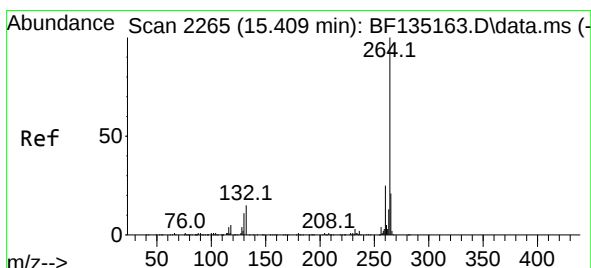
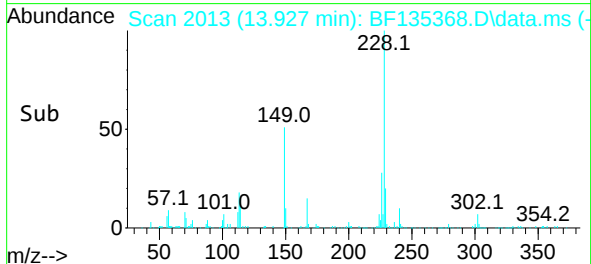
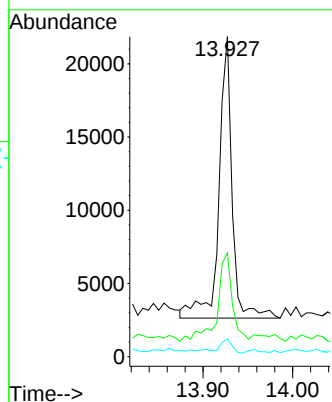
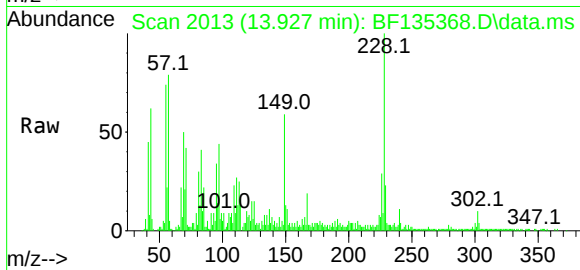
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.387 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:149 Resp: 1957
Ion Ratio Lower Upper
149 100
167 32.5 21.9 32.9
279 5.6 3.3 4.9

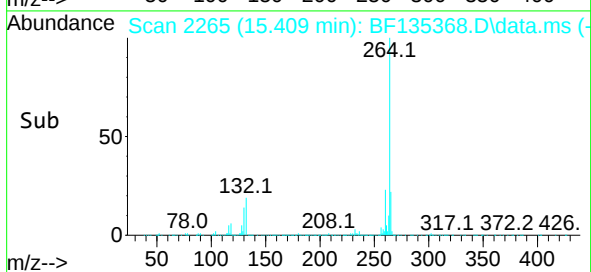
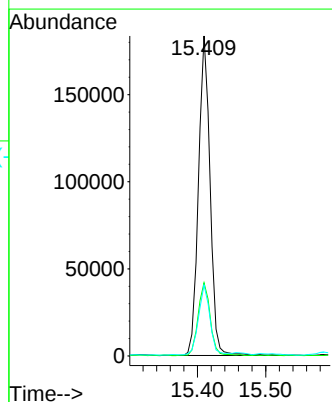
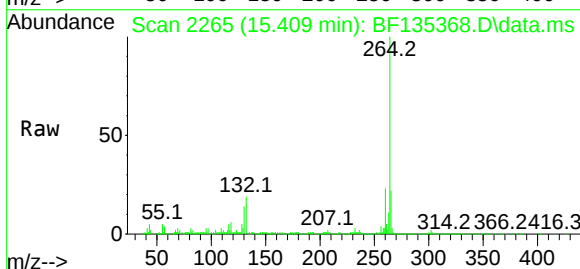
Manual Integrations
APPROVED

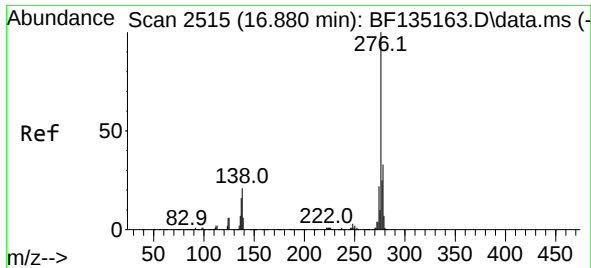
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

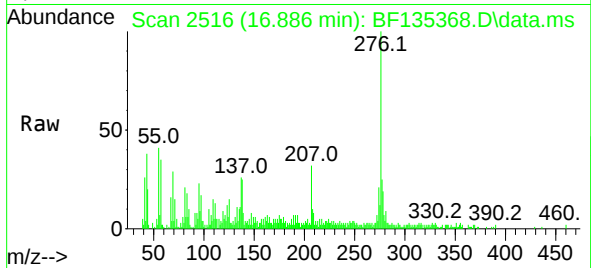
Tgt Ion:264 Resp: 217121
Ion Ratio Lower Upper
264 100
260 22.9 19.8 29.6
265 22.2 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.004 ng
RT: 16.886 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

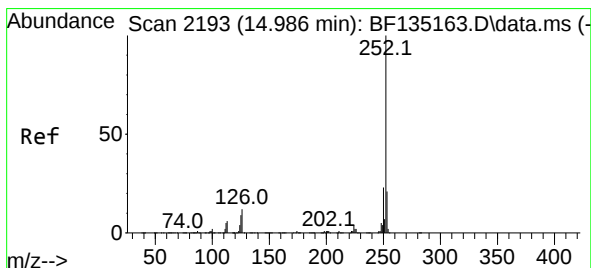
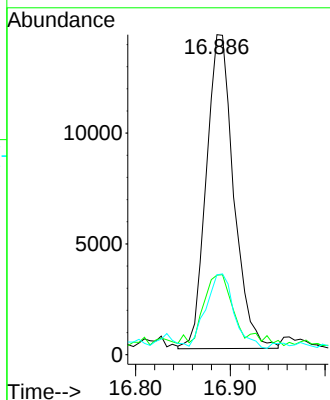
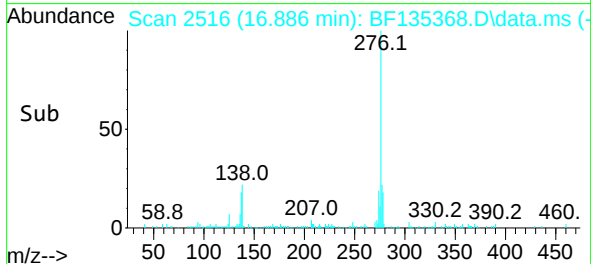
Instrument :
BNA_F
ClientSampleId :
WC-1



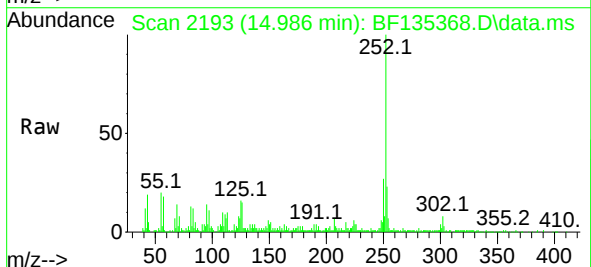
Tgt Ion:276 Resp: 2852
Ion Ratio Lower Upper
276 100
138 27.9 19.2 28.8
277 24.3 19.7 29.5

Manual Integrations
APPROVED

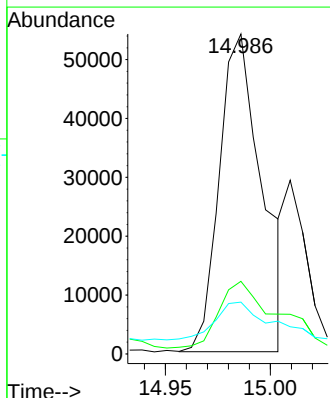
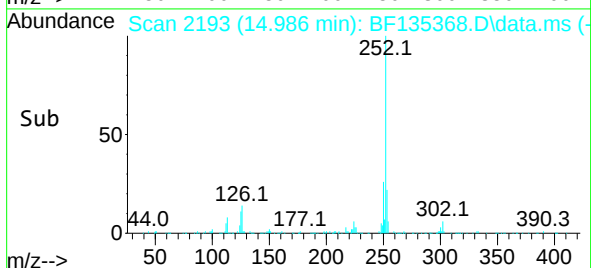
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

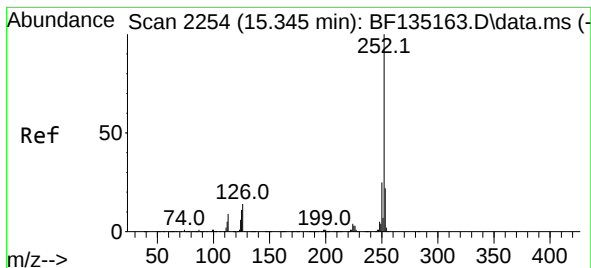


#88
Benzo(b)fluoranthene
Concen: 6.473 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50



Tgt Ion:252 Resp: 76082
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 16.2 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 4.331 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

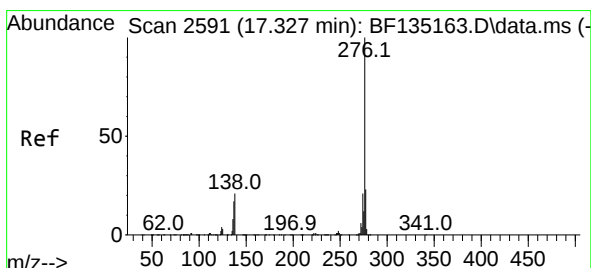
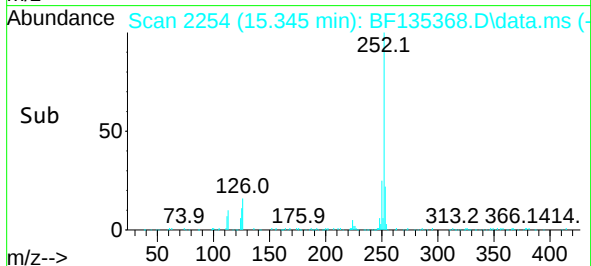
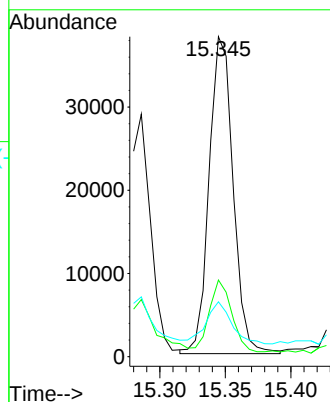
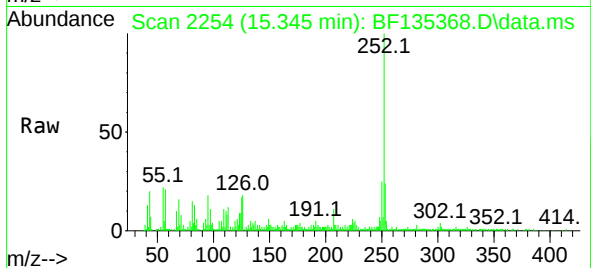
Tgt Ion:	252	Resp:	48544
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	17.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#92

Benzo(g,h,i)perylene

Concen: 2.254 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Tgt Ion:	276	Resp:	27424
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.8	28.2
138	27.2	16.9	25.3

