

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135270.D
 Acq On : 14 Sep 2023 23:49
 Operator : CG\JU
 Sample : 04395-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-91123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:39:53 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	116584	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	403364	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	166613	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	268598	20.000	ng	0.00
76) Chrysene-d12	13.945	240	200516	20.000	ng	0.00
86) Perylene-d12	15.421	264	166307	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	298120	41.590	ng	0.00
7) Phenol-d6	6.404	99	376825	41.343	ng	0.00
23) Nitrobenzene-d5	7.322	82	229782	30.950	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	60336	36.441	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	374292	33.893	ng	-0.01
79) Terphenyl-d14	12.886	244	283256	21.899	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	69704	5.487	ng	99
75) Fluoranthene	12.510	202	135444	10.232	ng	98
78) Pyrene	12.739	202	125030	6.549	ng	99
81) Benzo(a)anthracene	13.939	228	56265	4.346	ng	# 90
83) Chrysene	13.974	228	66469	5.163	ng	# 94
88) Benzo(b)fluoranthene	14.992	252	54945m	6.103	ng	
90) Benzo(a)pyrene	15.357	252	33978	3.958	ng	# 82
92) Benzo(g,h,i)perylene	17.351	276	23021	2.471	ng	# 87

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

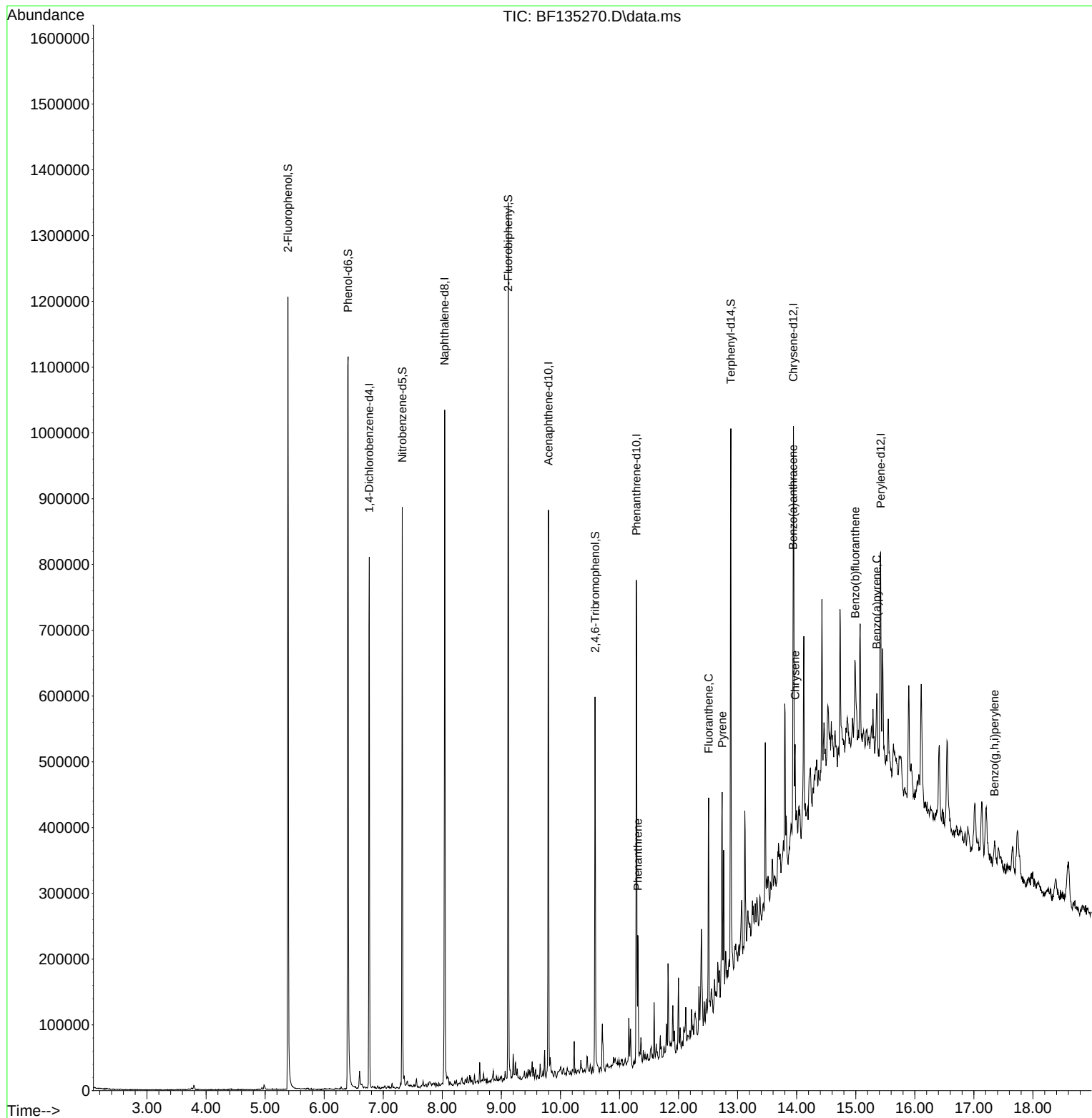
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
Data File : BF135270.D
Acq On : 14 Sep 2023 23:49
Operator : CG\JU
Sample : 04395-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

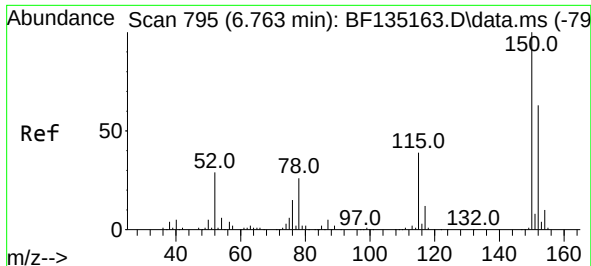
Instrument :
BNA_F
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OK-01-91123

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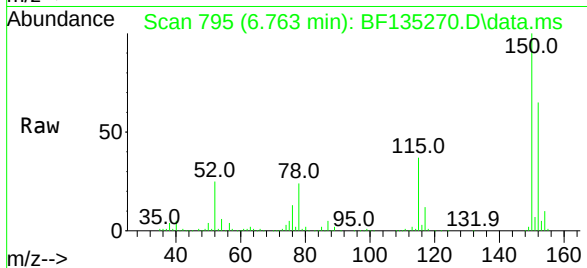
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

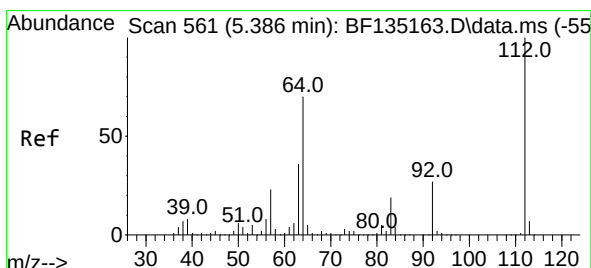
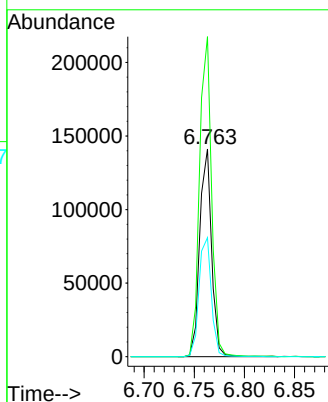
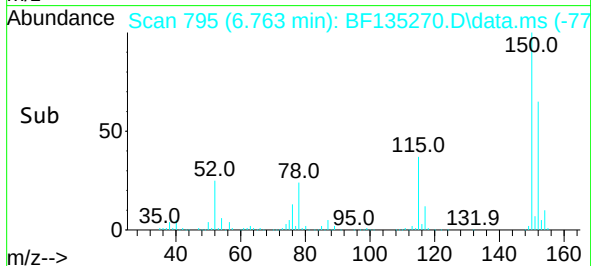


Tgt Ion:152 Resp: 116584
Ion Ratio Lower Upper
152 100
150 154.1 127.8 191.6
115 57.3 49.8 74.8

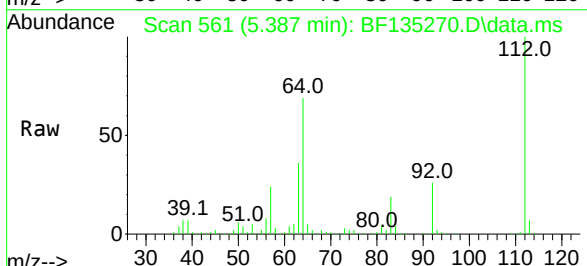
Manual Integrations

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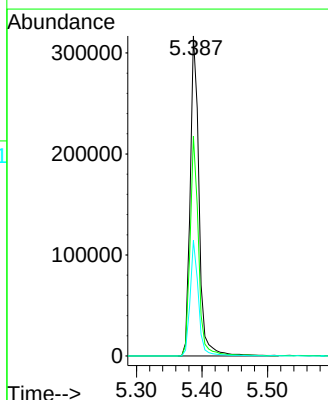
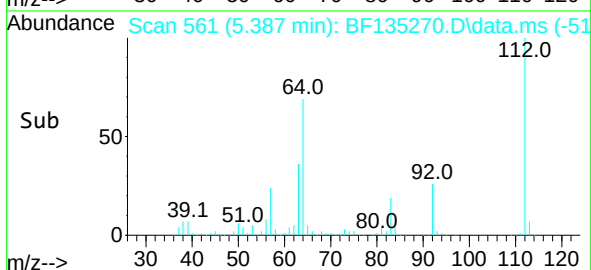
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

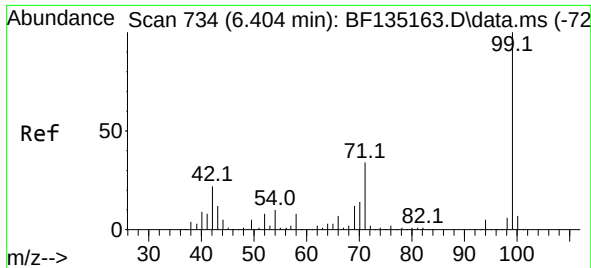


#5
2-Fluorophenol
Concen: 41.590 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49



Tgt Ion:112 Resp: 298120
Ion Ratio Lower Upper
112 100
64 68.6 55.9 83.9
63 36.1 29.0 43.6





#7

Phenol-d6

Concen: 41.343 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

Tgt Ion: 99 Resp: 376825

Ion Ratio Lower Upper

99 100

42 21.3 17.9 26.9

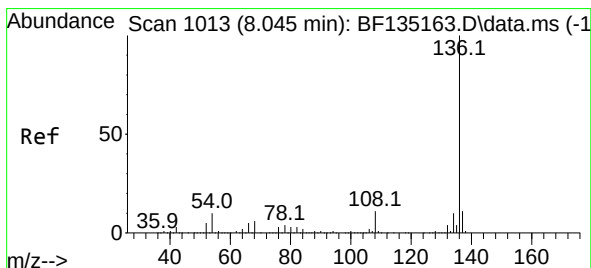
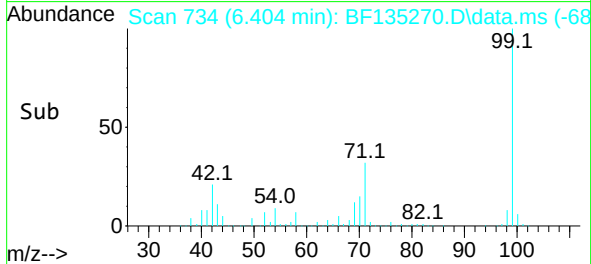
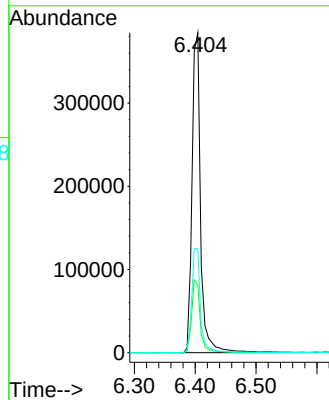
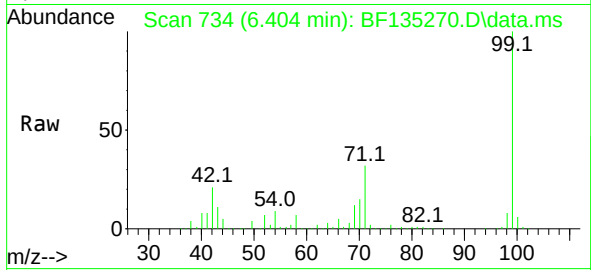
71 32.4 27.0 40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Tgt Ion:136 Resp: 403364

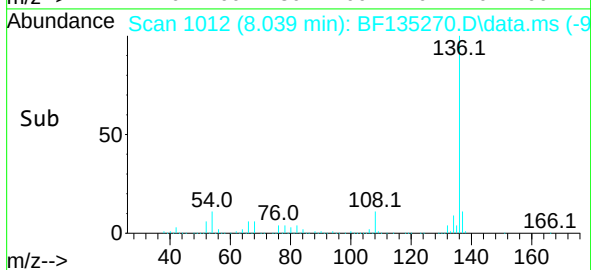
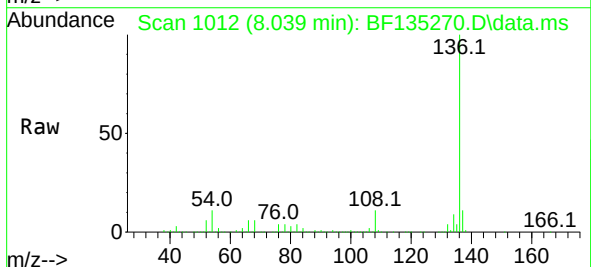
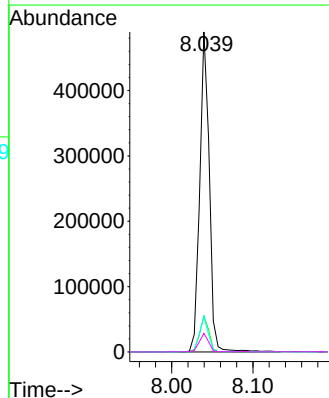
Ion Ratio Lower Upper

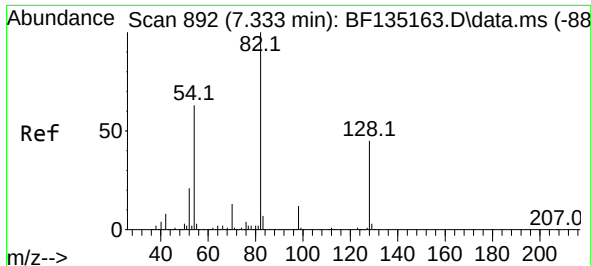
136 100

137 11.3 8.8 13.2

54 11.1 7.7 11.5

68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 30.950 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 22978

Ion Ratio Lower Upper

82 100

128 45.0 35.8 53.6

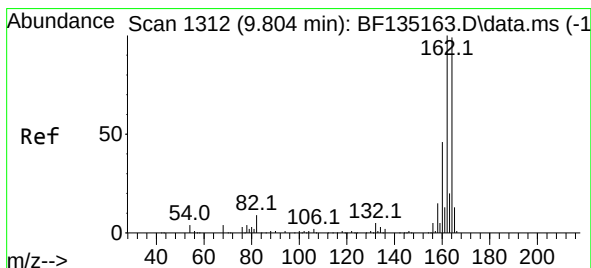
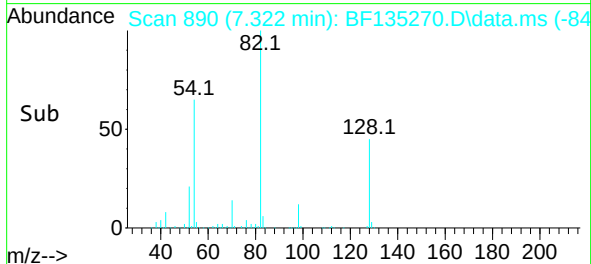
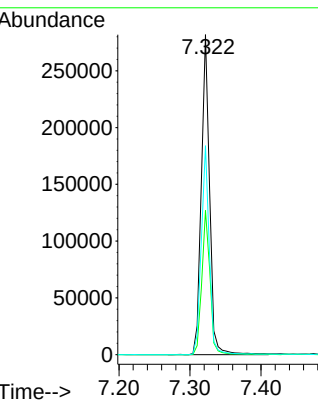
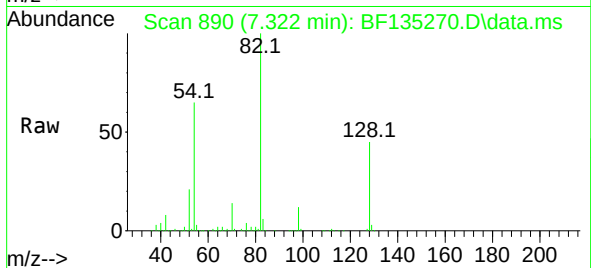
54 65.3 50.6 76.0

Manual Integrations

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Supervised By :mohammad ahmed 09/15/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

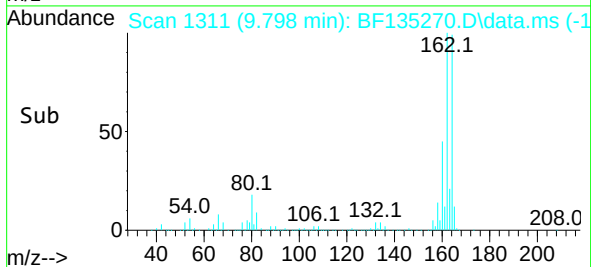
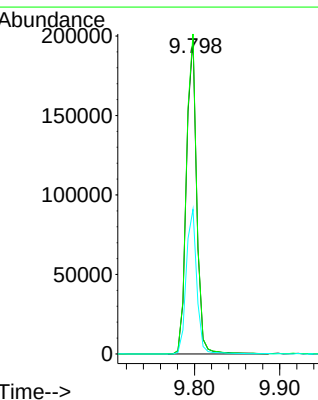
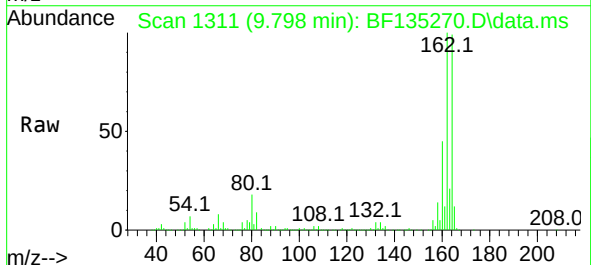
Tgt Ion:164 Resp: 166613

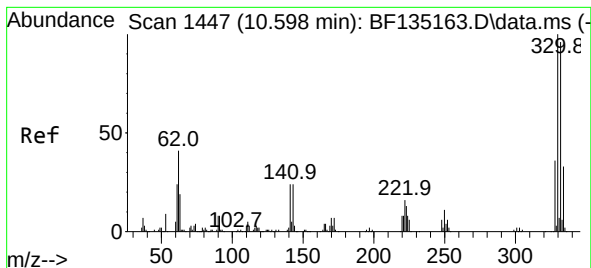
Ion Ratio Lower Upper

164 100

162 101.4 81.0 121.4

160 45.8 37.0 55.4





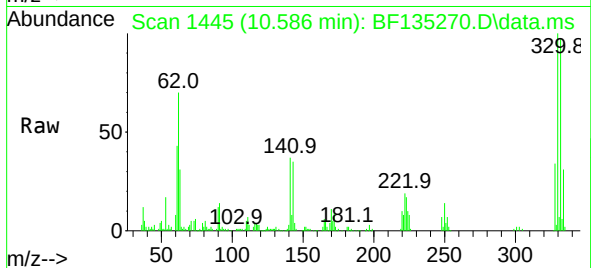
#42
2,4,6-Tribromophenol
Concen: 36.441 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123



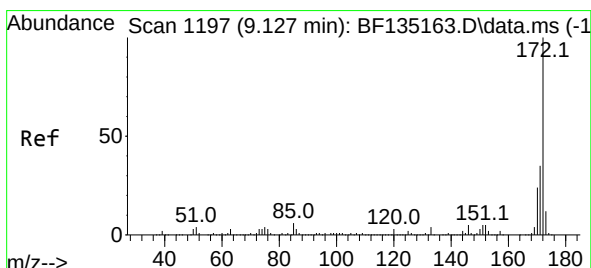
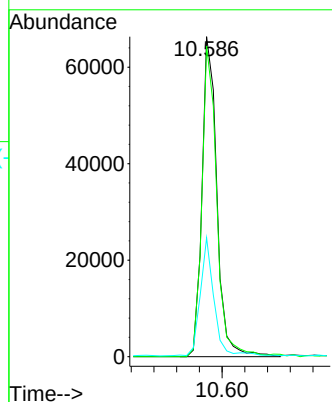
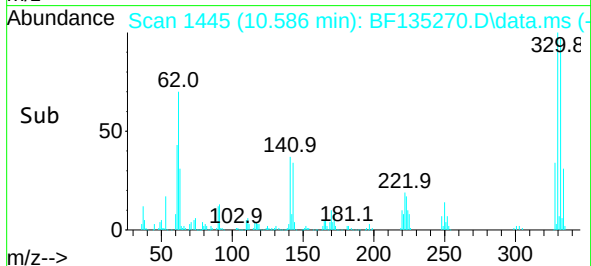
Tgt Ion: 330 Resp: 60330
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.2 25.8 38.8

Manual Integrations

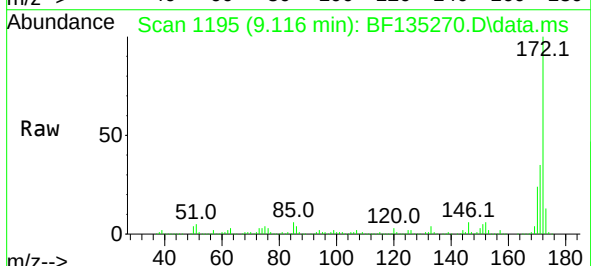
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Reviewed By : Yogesh Patel 09/15/2023

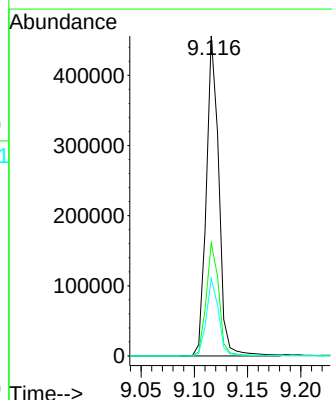
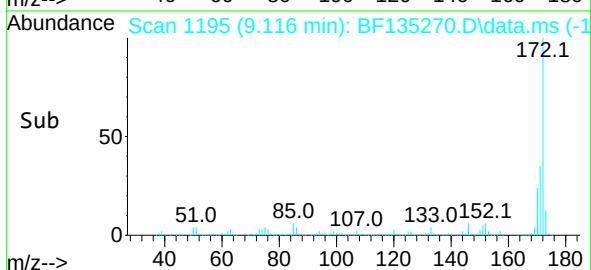
Supervised By : mohammad ahmed 09/15/2023

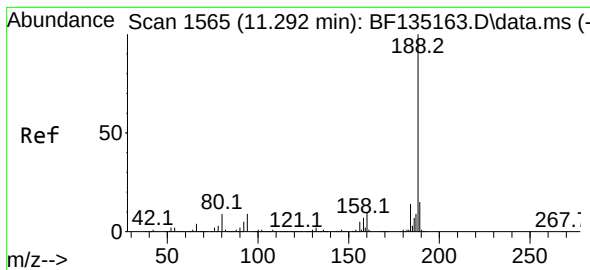


#45
2-Fluorobiphenyl
Concen: 33.893 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49



Tgt Ion: 172 Resp: 374292
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.2 19.0 28.4





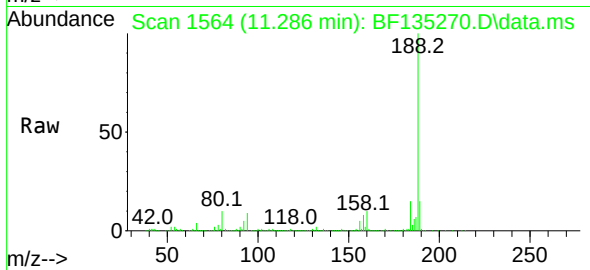
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123



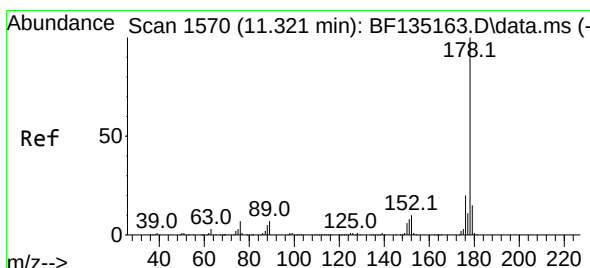
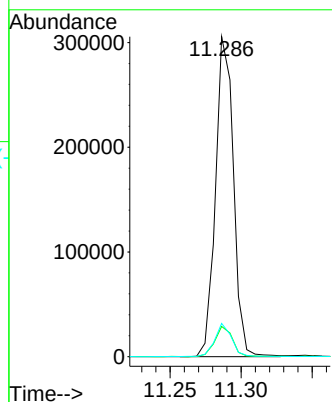
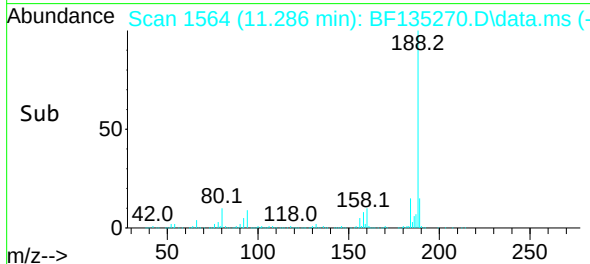
Tgt Ion:188 Resp: 268598
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.4 7.5 11.3

Manual Integrations

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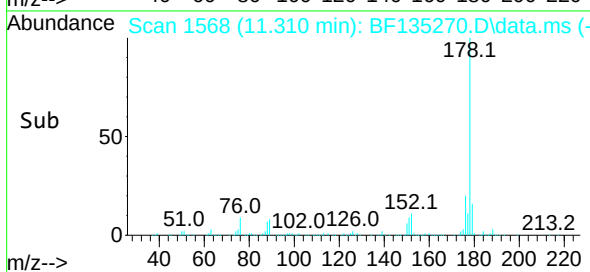
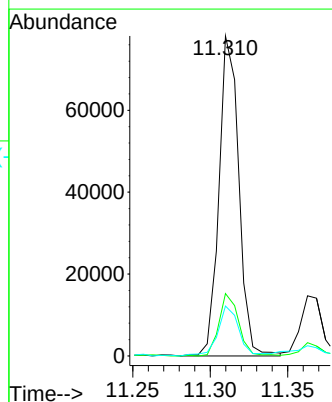
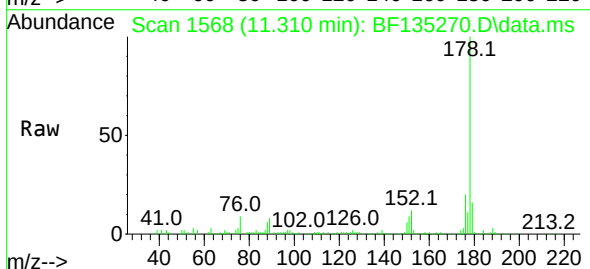
Reviewed By :Yogesh Patel 09/15/2023

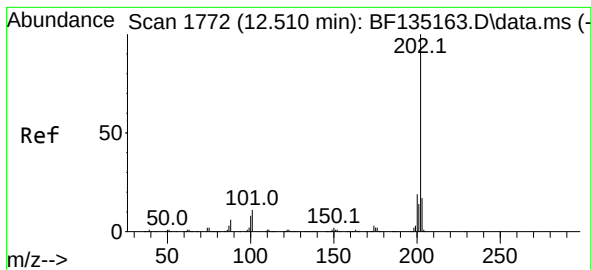
Supervised By :mohammad ahmed 09/15/2023



#71
Phenanthrene
Concen: 5.487 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

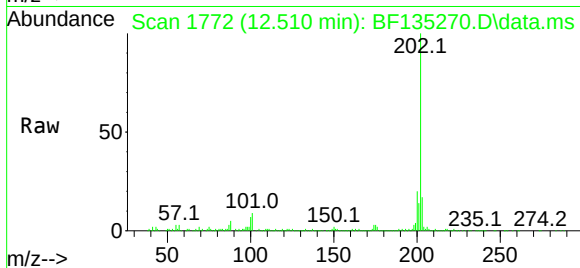
Tgt Ion:178 Resp: 69704
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.0 18.0





#75
Fluoranthene
Concen: 10.232 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

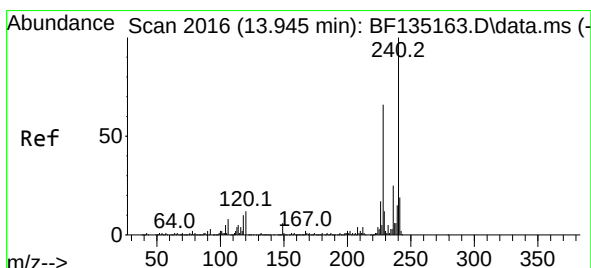
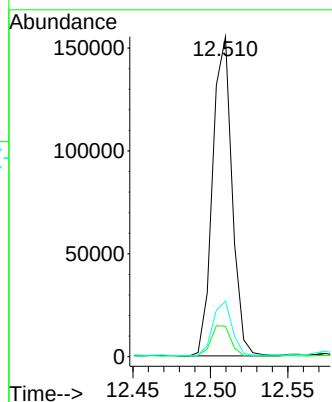
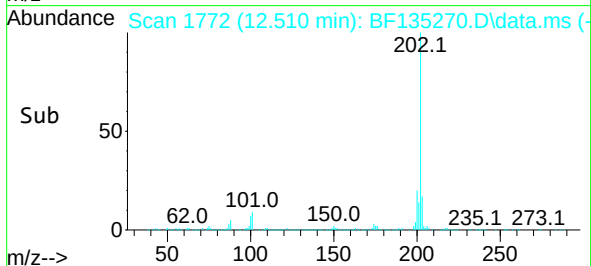
Instrument :
BNA_F
ClientSampleId :
OK-01-91123



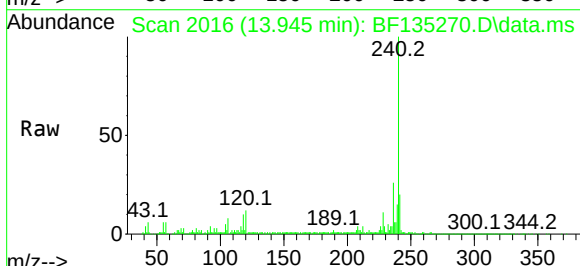
Tgt Ion:202 Resp: 13544
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.3
203 17.4 0.0 37.4

Manual Integrations
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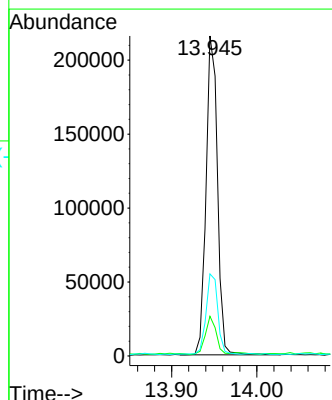
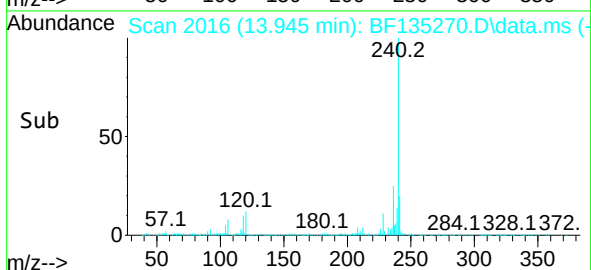
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

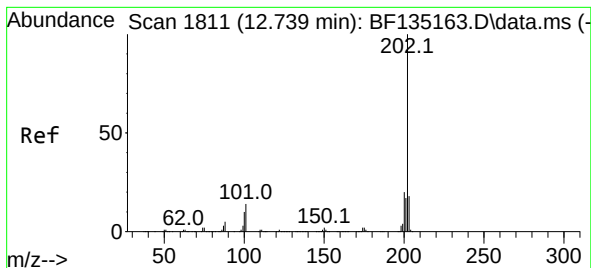


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49



Tgt Ion:240 Resp: 200516
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.2
236 25.6 19.8 29.8





#78

Pyrene

Concen: 6.549 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135270.D

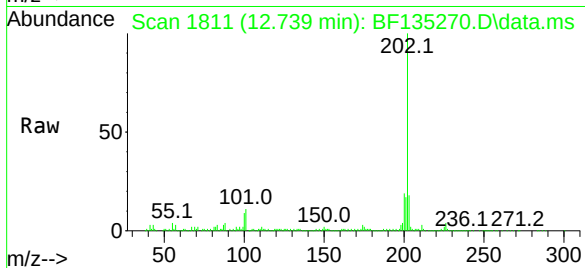
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123



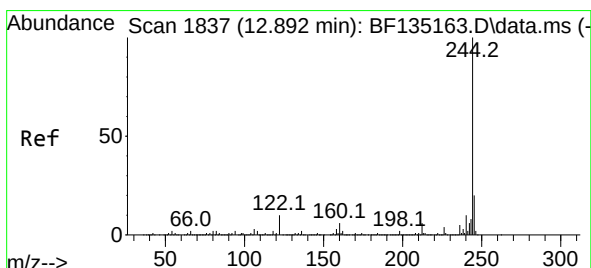
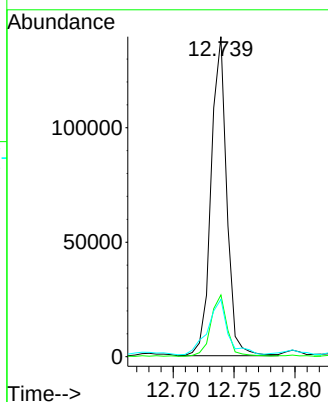
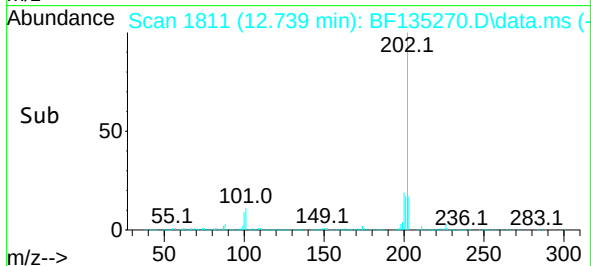
Tgt Ion:	202	Resp:	125030
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	17.9	14.2	21.4

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#79

Terphenyl-d14

Concen: 21.899 ng

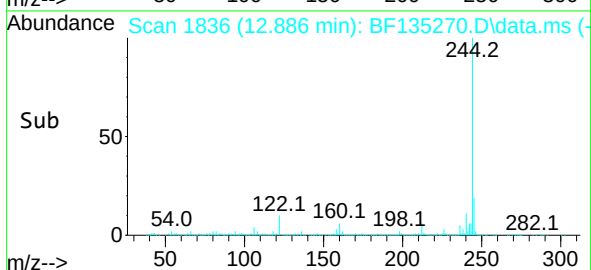
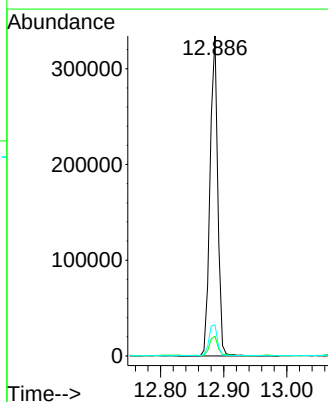
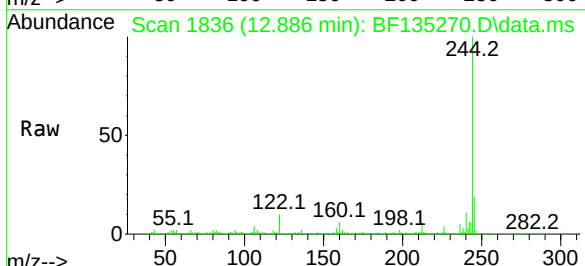
RT: 12.886 min Scan# 1836

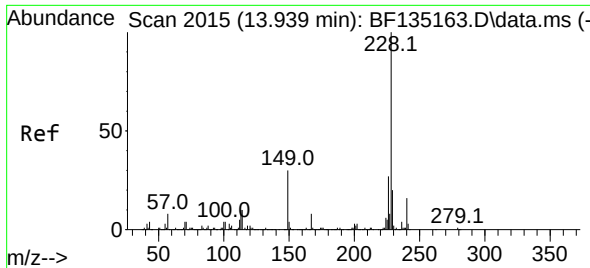
Delta R.T. -0.006 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Tgt Ion:	244	Resp:	283256
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.1	7.7
122	9.7	7.9	11.9





#81
Benzo(a)anthracene
Concen: 4.346 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

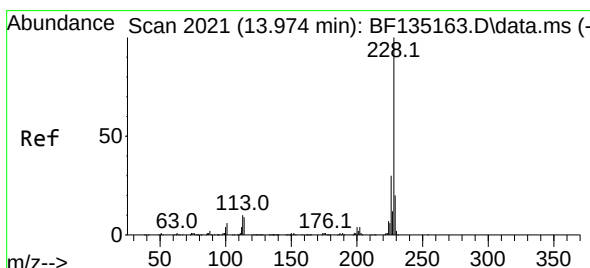
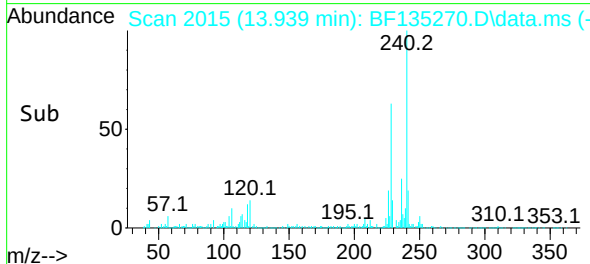
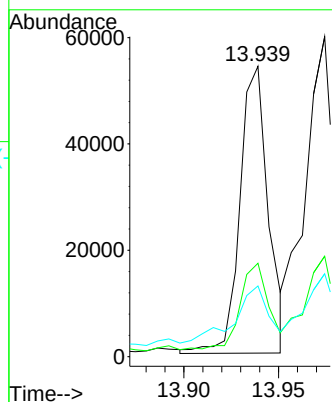
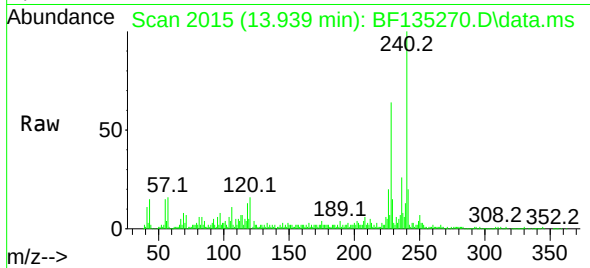
ClientSampleId :

OK-01-91123

Tgt Ion:228 Resp: 5626
Ion Ratio Lower Upper
228 100
226 32.2 21.7 32.5
229 24.4 15.8 23.8

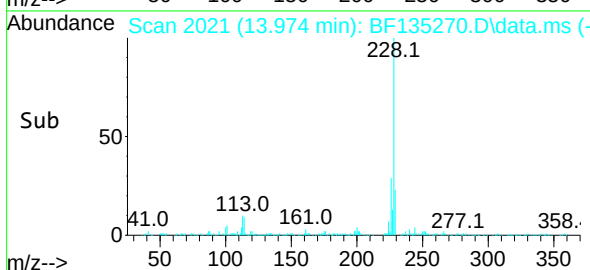
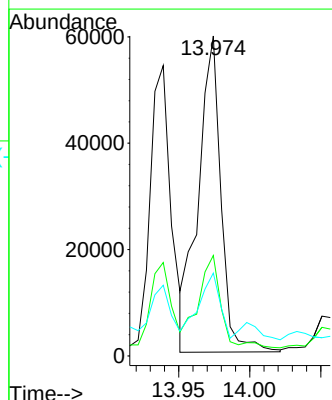
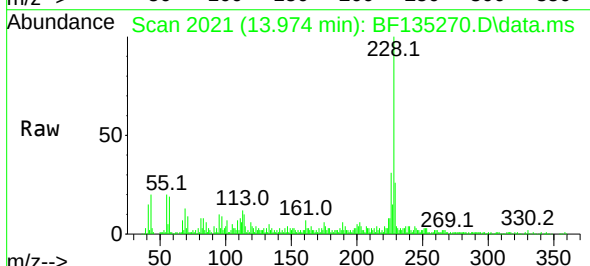
Manual Integrations
APPROVED

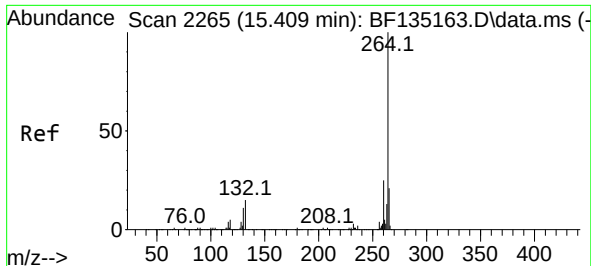
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#83
Chrysene
Concen: 5.163 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:228 Resp: 66469
Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 25.9 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

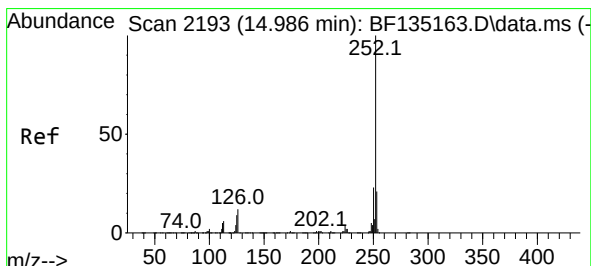
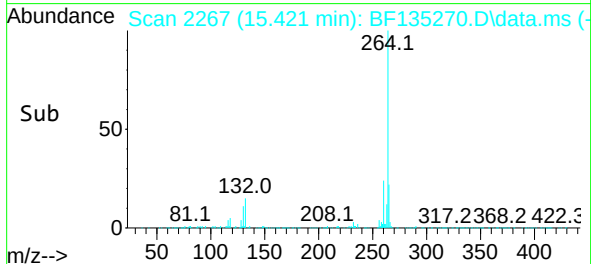
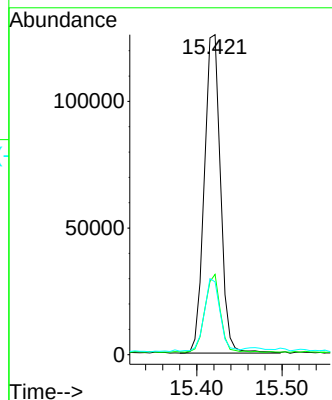
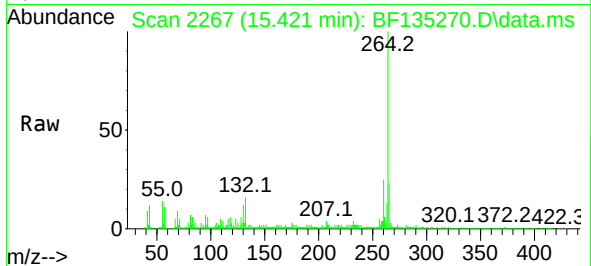
OK-01-91123

Tgt Ion:264 Resp: 16630
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.6
265 22.8 17.0 25.4

Manual Integrations

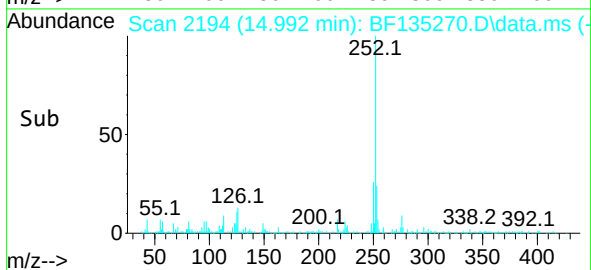
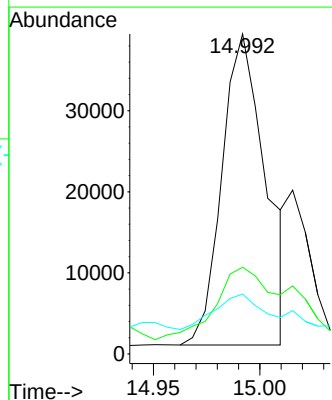
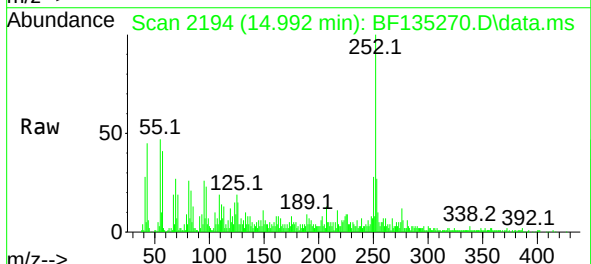
APPROVED

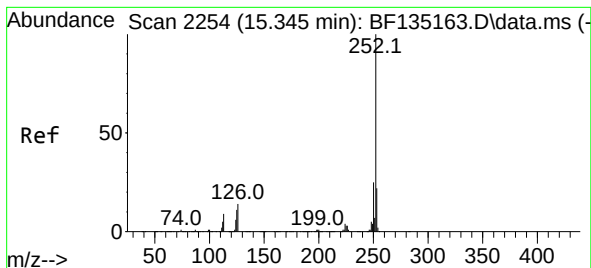
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#88
Benzo(b)fluoranthene
Concen: 6.103 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:252 Resp: 54945
Ion Ratio Lower Upper
252 100
253 27.1 17.2 25.8#
125 18.7 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 3.958 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

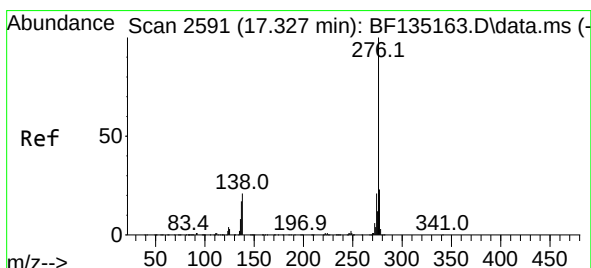
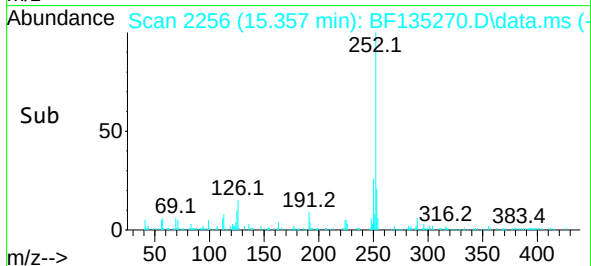
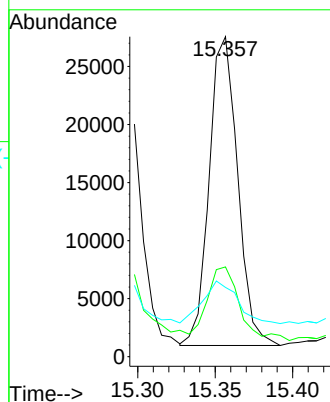
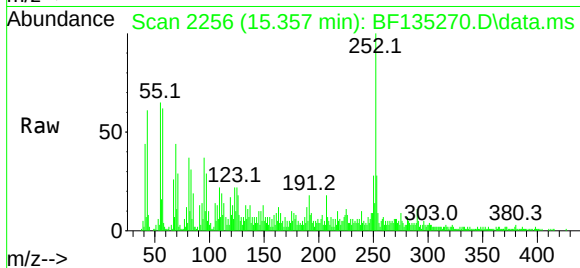
Tgt Ion:	252	Resp:	33978
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.5	26.3#
125	21.6	9.2	13.8#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#92

Benzo(g,h,i)perylene

Concen: 2.471 ng

RT: 17.351 min Scan# 2595

Delta R.T. 0.024 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Tgt Ion:	276	Resp:	23021
Ion Ratio	Lower	Upper	
276	100		
277	28.2	18.8	28.2#
138	28.5	16.9	25.3#

