

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135062.D
 Acq On : 01 Sep 2023 02:14
 Operator : CG\JU
 Sample : 04093-03DL 100X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z83-84DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 02:57:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	122880	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	494778	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	244714	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	375792	20.000	ng	0.00
76) Chrysene-d12	13.957	240	202290	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	251008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	4465	0.561	ng	0.00
7) Phenol-d6	6.404	99	6756	0.681	ng	-0.01
23) Nitrobenzene-d5	7.328	82	4010m	0.455	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	519	0.200	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	9103	0.606	ng	-0.01
79) Terphenyl-d14	12.892	244	7337	0.592	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.087	128	3717622	153.813	ng	97
37) 2-Methylnaphthalene	8.769	142	1160932	71.988	ng	100
38) 1-Methylnaphthalene	8.869	142	797481	52.850	ng	100
46) 1,1'-Biphenyl	9.228	154	192713	10.307	ng	98
49) Acenaphthylene	9.669	152	72284	3.401	ng	# 85
52) Acenaphthene	9.845	154	502964	37.135	ng	99
58) Fluorene	10.357	166	306203	20.557	ng	100
71) Phenanthrene	11.328	178	1050756	54.198	ng	99
72) Anthracene	11.375	178	317218	16.014	ng	98
75) Fluoranthene	12.522	202	286110	14.596	ng	98
78) Pyrene	12.751	202	407980	21.242	ng	99
81) Benzo(a)anthracene	13.945	228	162286m	11.761	ng	
83) Chrysene	13.980	228	130544	9.626	ng	99
88) Benzo(b)fluoranthene	14.992	252	97213m	6.224	ng	
90) Benzo(a)pyrene	15.357	252	127368	8.779	ng	98

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

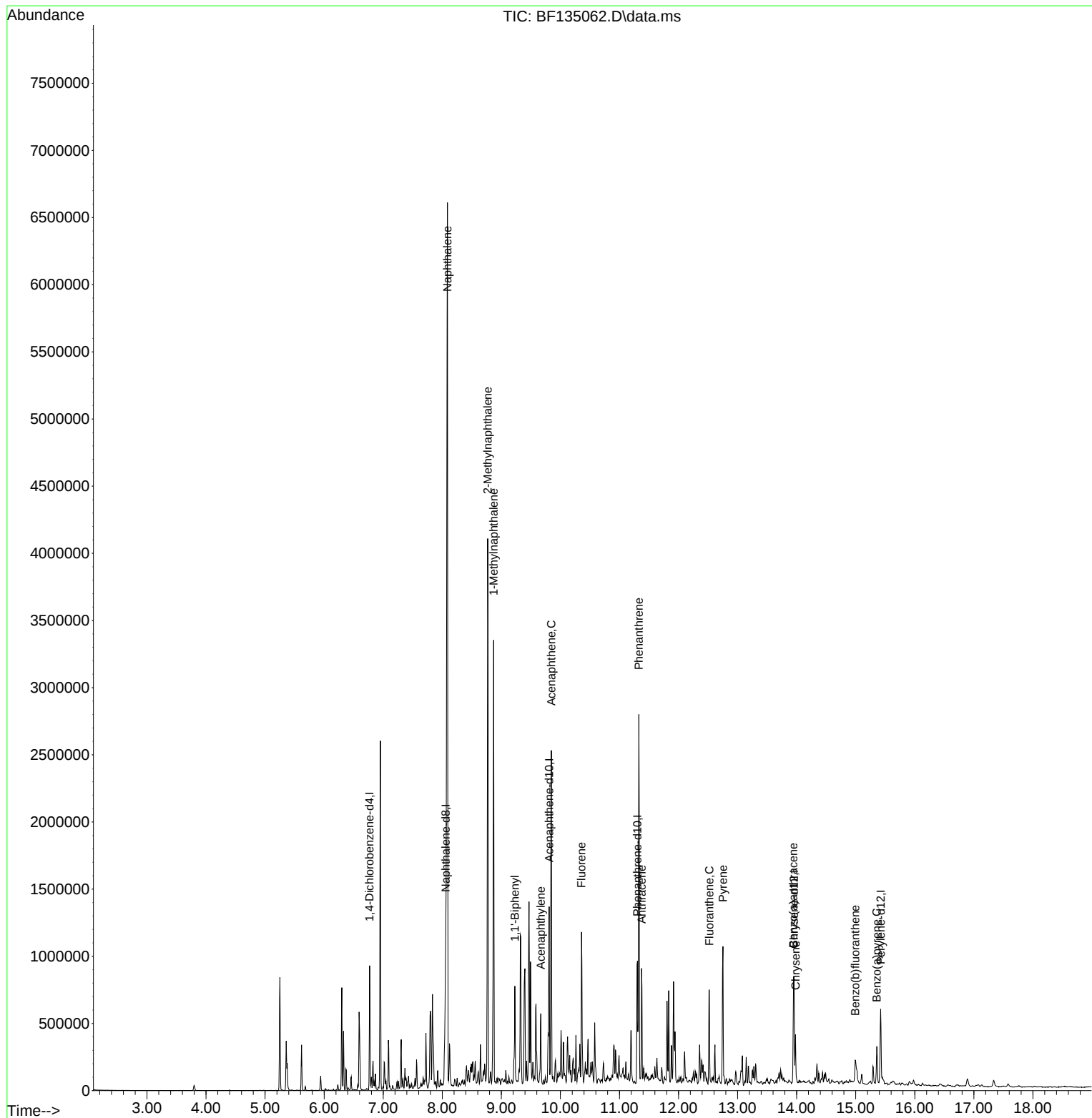
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
Data File : BF135062.D
Acq On : 01 Sep 2023 02:14
Operator : CG\JU
Sample : 04093-03DL 100X
Misc :
ALS Vial : 19 Sample Multiplier: 1

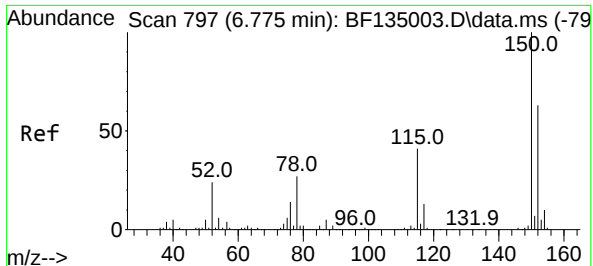
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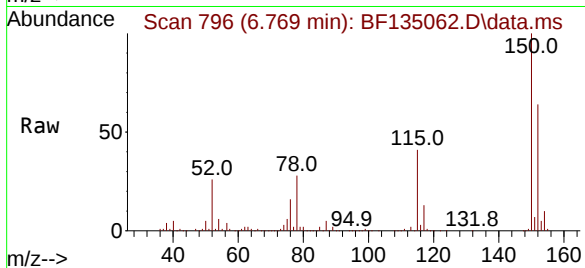
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

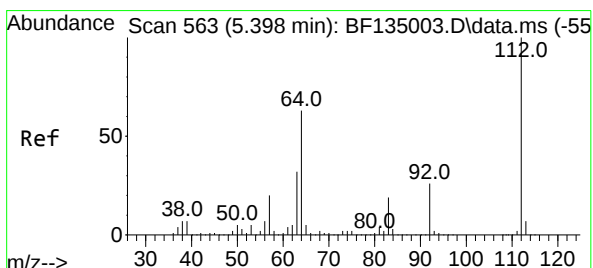
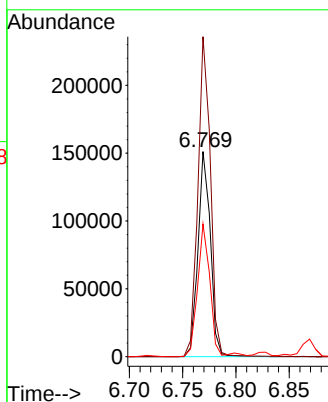
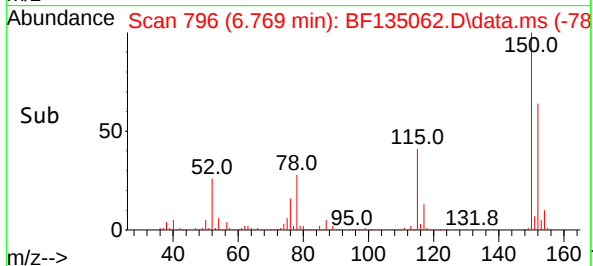
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:152 Resp: 122880
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.4
115 64.6 51.2 76.8

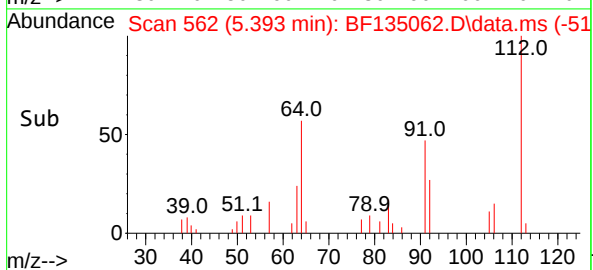
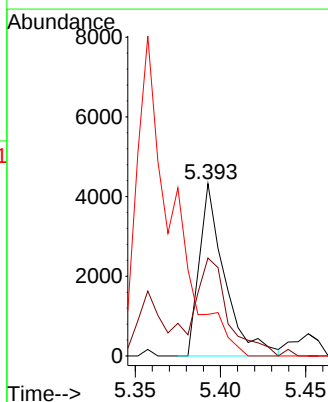
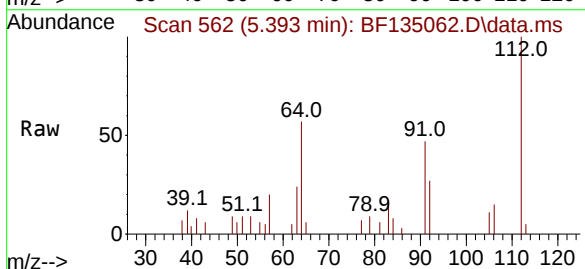
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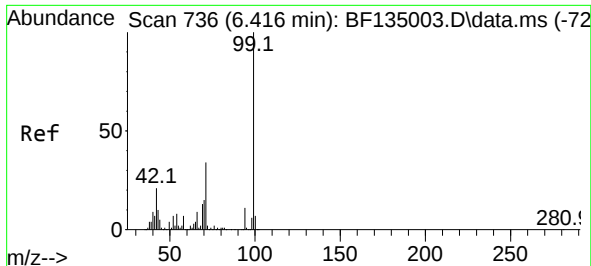
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#5
2-Fluorophenol
Concen: 0.561 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

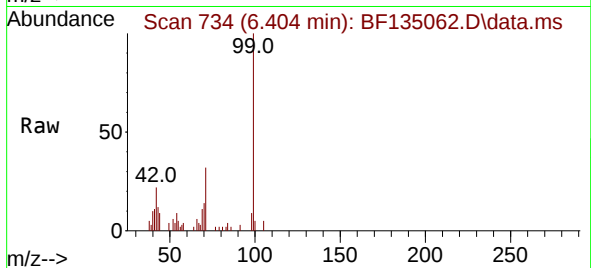
Tgt Ion:112 Resp: 4465
Ion Ratio Lower Upper
112 100
64 56.9 50.5 75.7
63 24.1 25.9 38.9





#7
Phenol-d6
Concen: 0.681 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

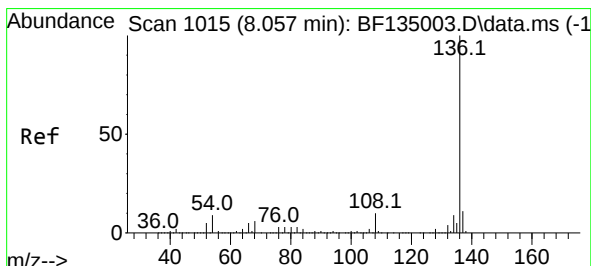
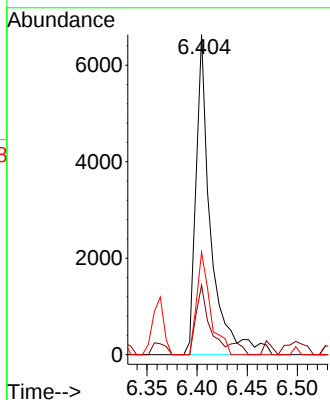
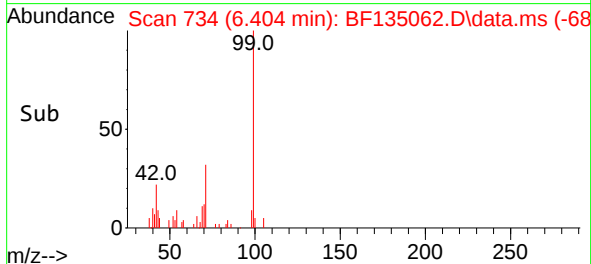
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion: 99 Resp: 6750
Ion Ratio Lower Upper
99 100
42 21.7 16.6 25.0
71 32.0 27.0 40.6

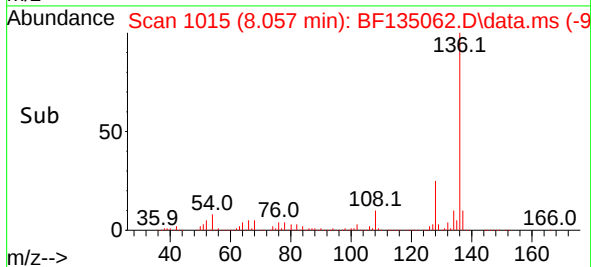
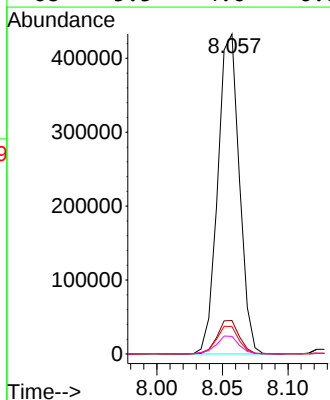
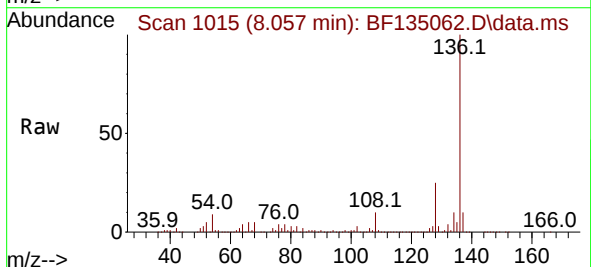
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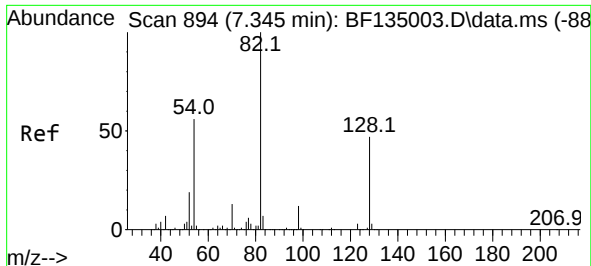
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

Tgt Ion:136 Resp: 494778
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.0 10.4
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 0.455 ng m

RT: 7.328 min Scan# 894

Delta R.T. -0.017 min

Lab File: BF135062.D

Acq: 01 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z83-84DL

Tgt Ion: 82 Resp: 4010

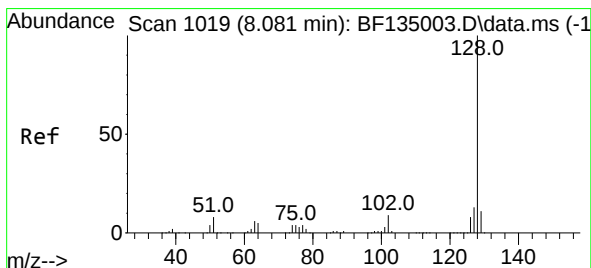
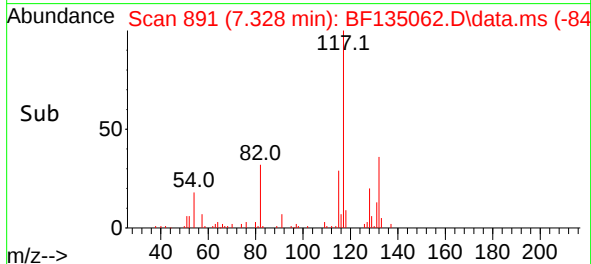
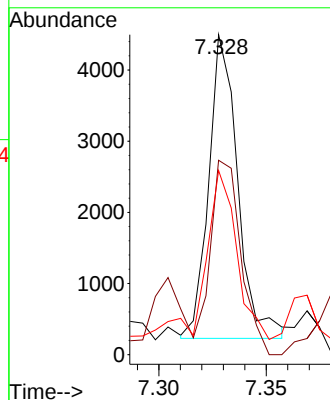
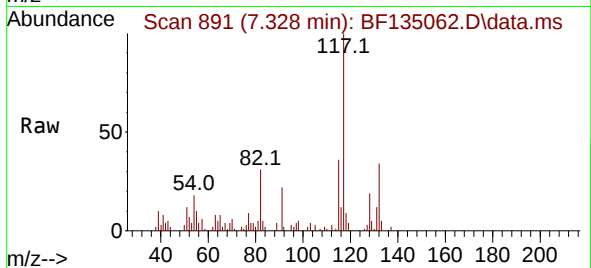
Ion	Ratio	Lower	Upper
82	100		
128	60.7	37.8	56.8
54	57.5	45.0	67.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#31

Naphthalene

Concen: 153.813 ng

RT: 8.087 min Scan# 1020

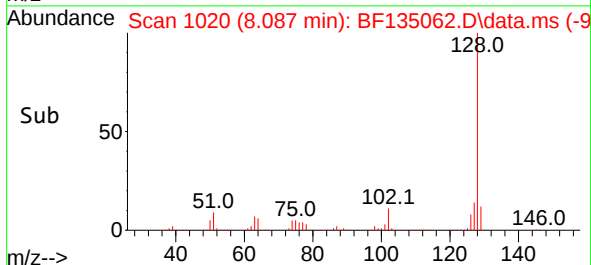
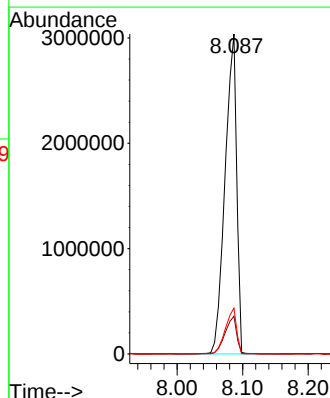
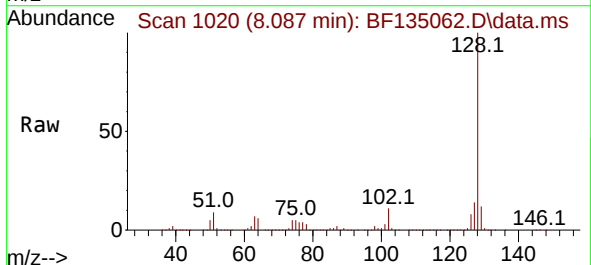
Delta R.T. 0.006 min

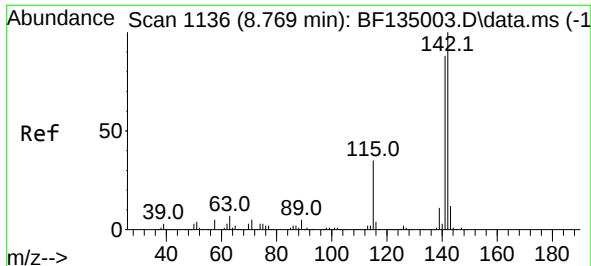
Lab File: BF135062.D

Acq: 01 Sep 2023 02:14

Tgt Ion:128 Resp: 3717622

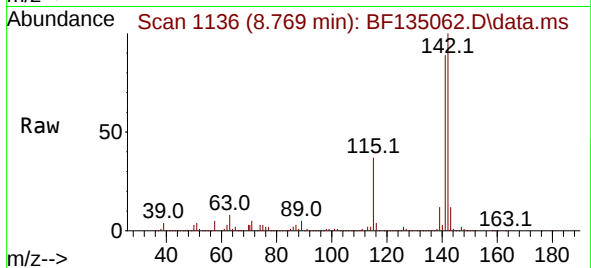
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	14.3	10.6	16.0





#37
2-Methylnaphthalene
Concen: 71.988 ng
RT: 8.769 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

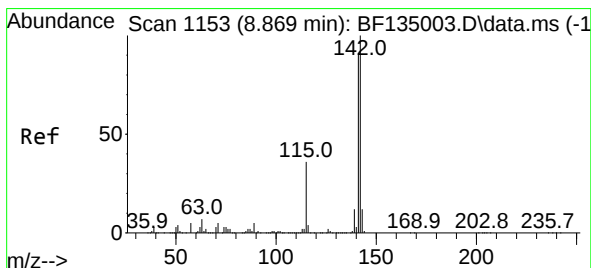
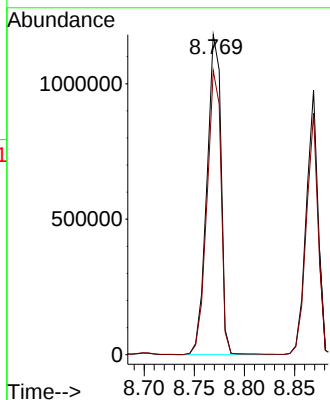
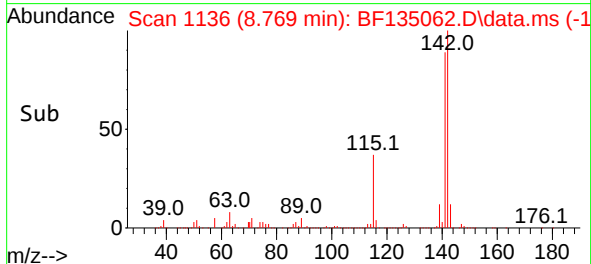
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



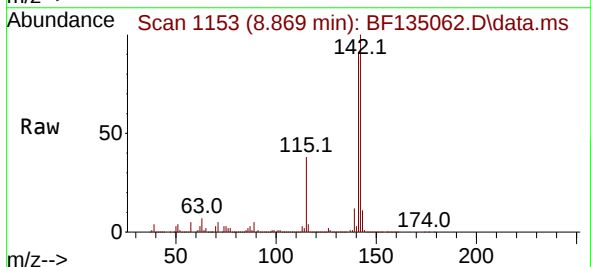
Tgt Ion:142 Resp: 116093
Ion Ratio Lower Upper
142 100
141 88.8 70.7 106.1

Manual Integrations
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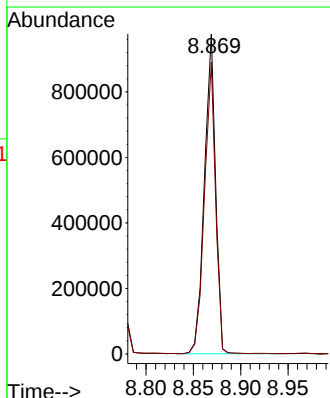
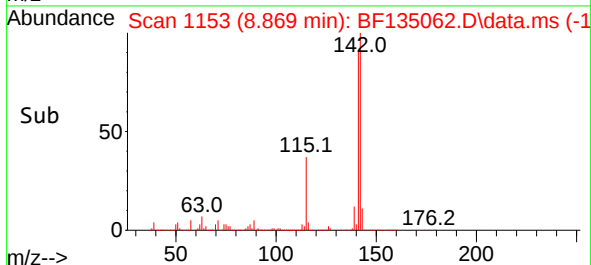
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

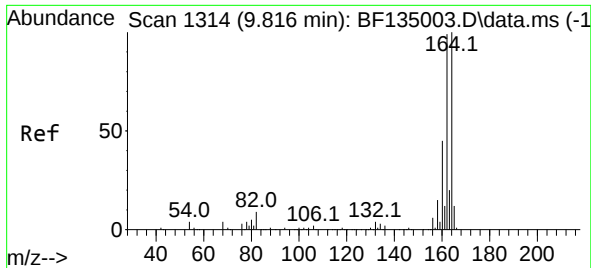


#38
1-Methylnaphthalene
Concen: 52.850 ng
RT: 8.869 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14



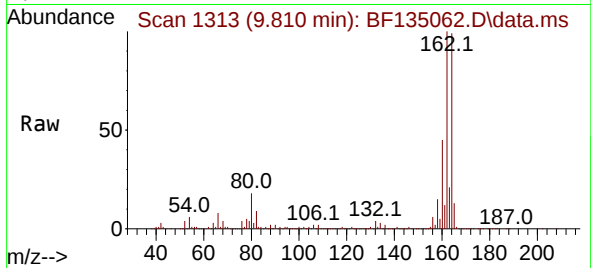
Tgt Ion:142 Resp: 797481
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

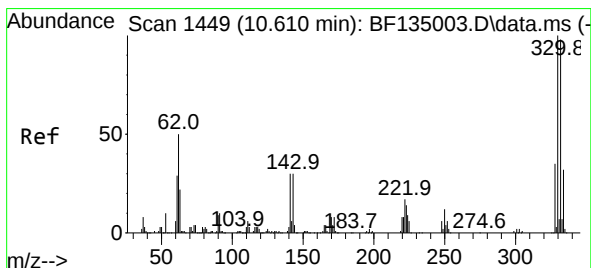
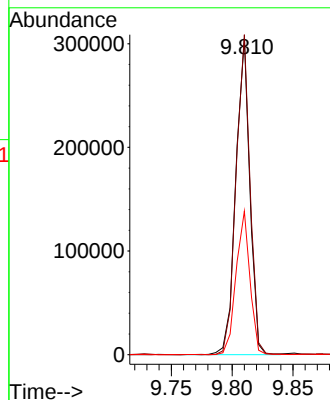
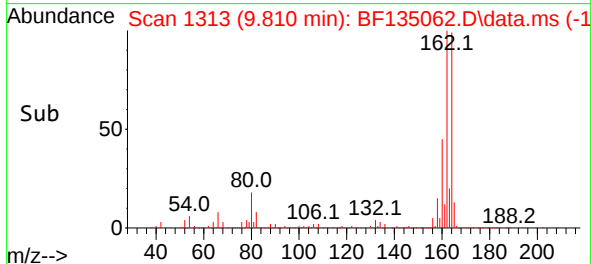
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



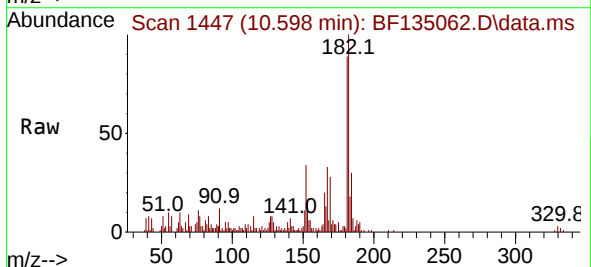
Tgt Ion:164 Resp: 244714
Ion Ratio Lower Upper
164 100
162 101.2 79.5 119.3
160 45.4 36.0 54.0

Manual Integrations
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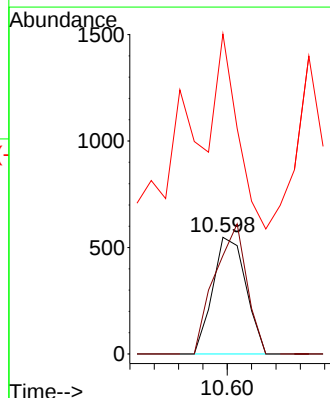
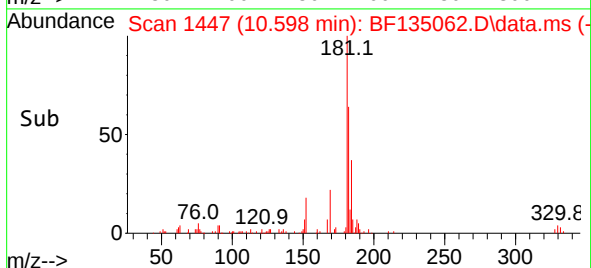
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

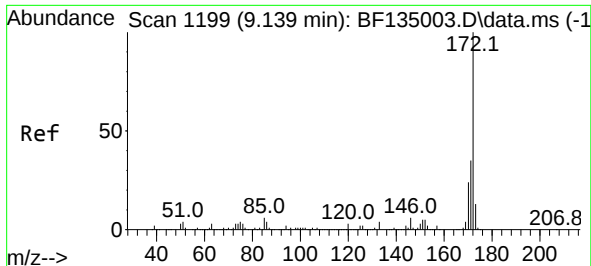


#42
2,4,6-Tribromophenol
Concen: 0.200 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14



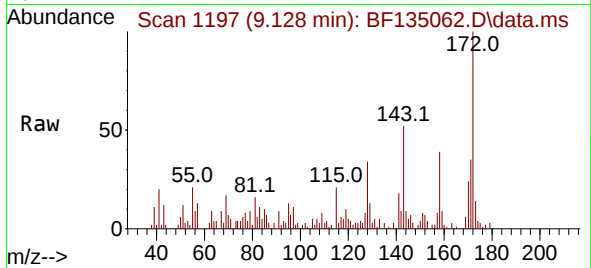
Tgt Ion:330 Resp: 519
Ion Ratio Lower Upper
330 100
332 107.9 77.6 116.4
141 200.4 26.3 39.5#





#45
2-Fluorobiphenyl
Concen: 0.606 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

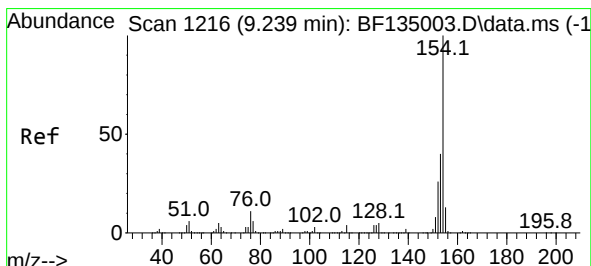
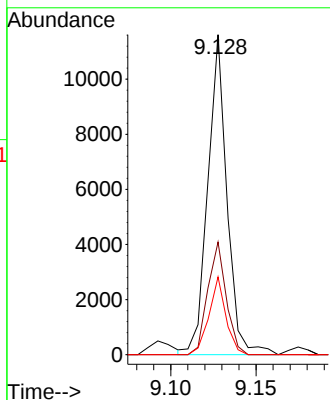
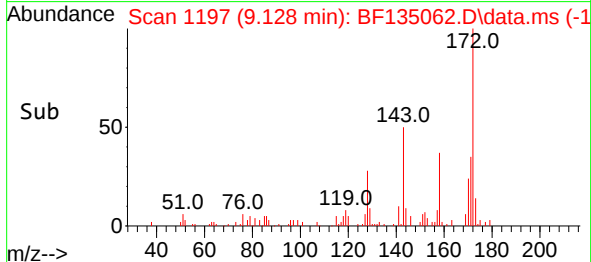
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:172 Resp: 910
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 24.3 19.0 28.4

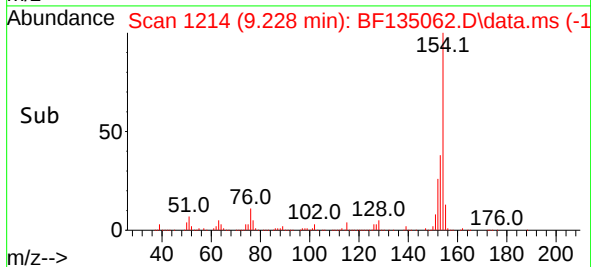
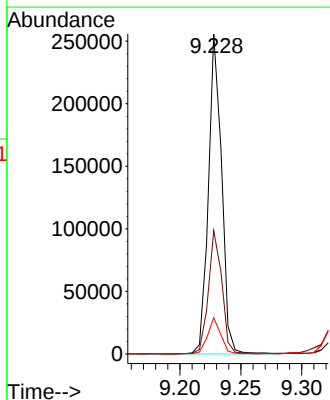
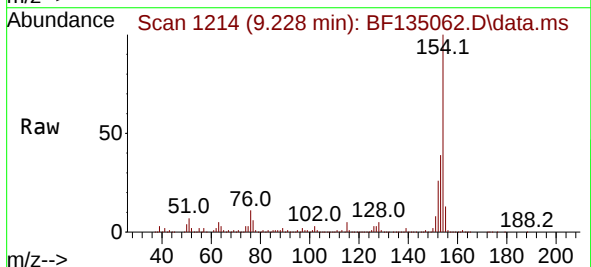
Manual Integrations
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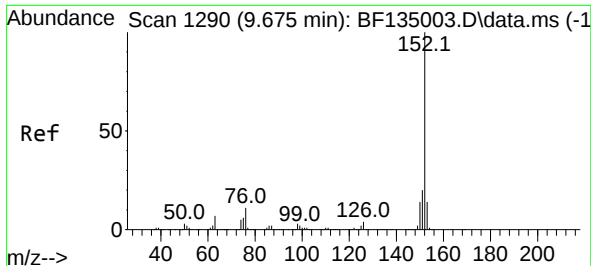
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#46
1,1'-Biphenyl
Concen: 10.307 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

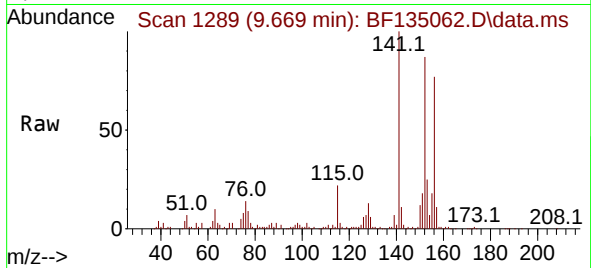
Tgt Ion:154 Resp: 192713
Ion Ratio Lower Upper
154 100
153 38.6 20.2 60.2
76 11.3 0.0 31.2





#49
Acenaphthylene
Concen: 3.401 ng
RT: 9.669 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

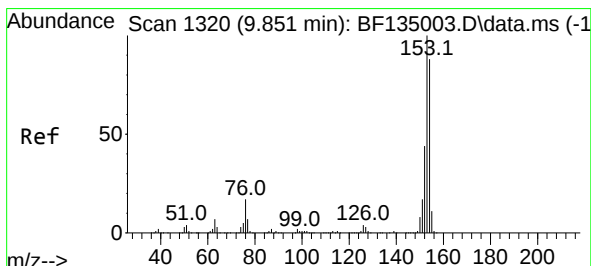
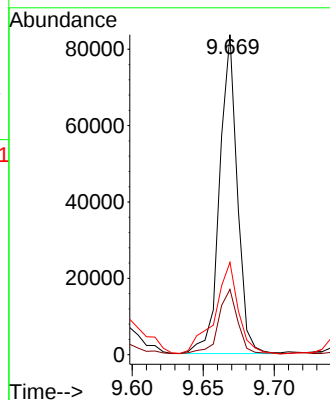
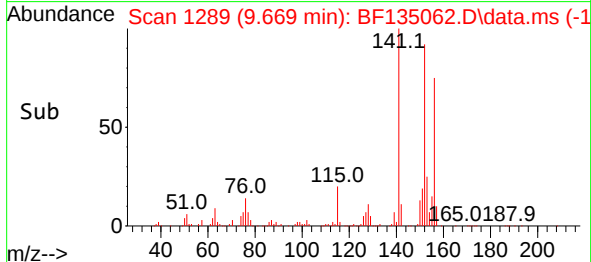
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



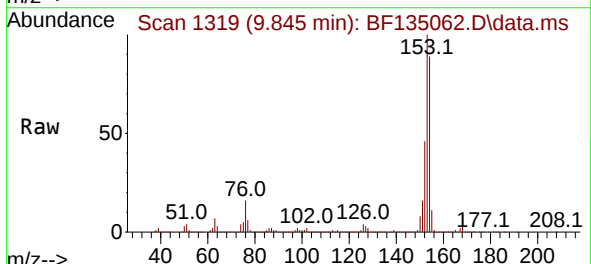
Tgt Ion:152 Resp: 72284
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 28.8 11.4 17.0

Manual Integrations
APPROVED

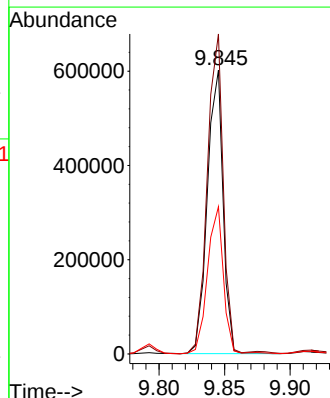
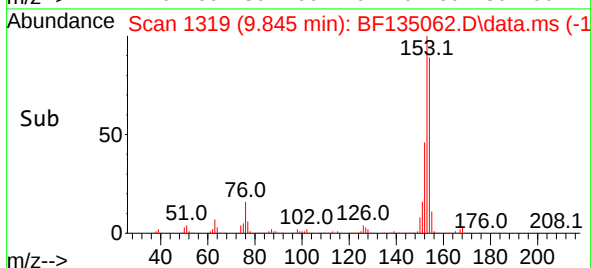
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

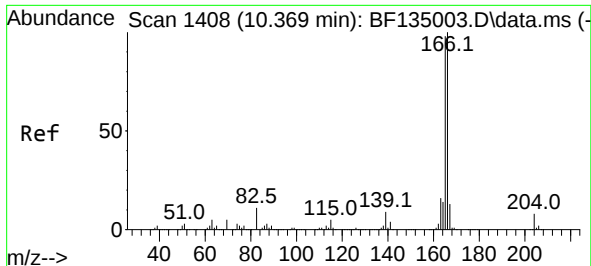


#52
Acenaphthene
Concen: 37.135 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14



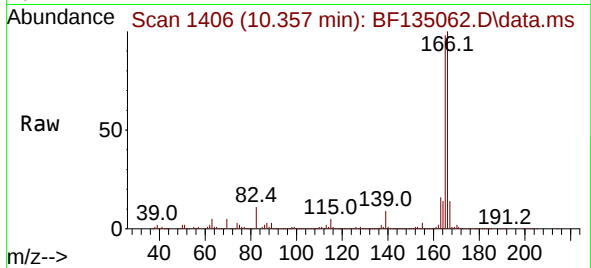
Tgt Ion:154 Resp: 502964
Ion Ratio Lower Upper
154 100
153 112.7 90.8 136.2
152 51.8 40.2 60.4





#58
Fluorene
Concen: 20.557 ng
RT: 10.357 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

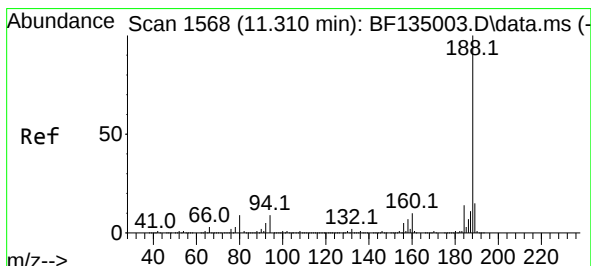
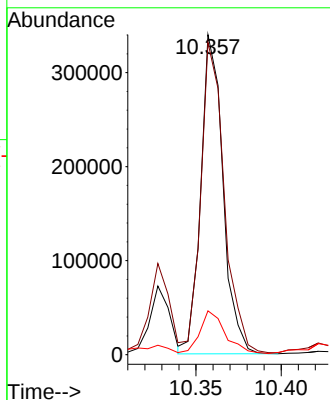
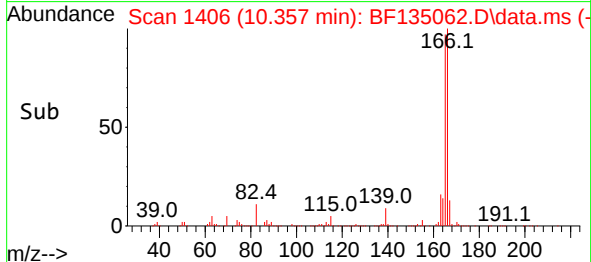
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



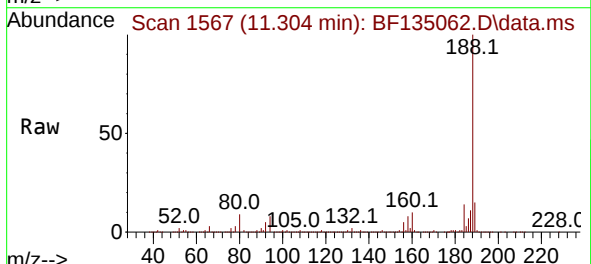
Tgt Ion:166 Resp: 30620
Ion Ratio Lower Upper
166 100
165 97.6 78.0 117.0
167 13.7 10.8 16.2

Manual Integrations
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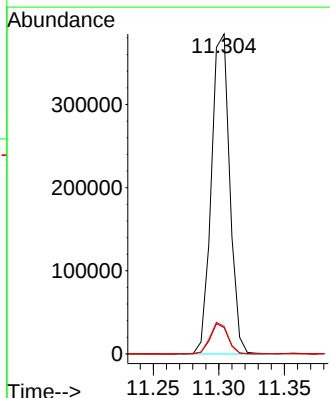
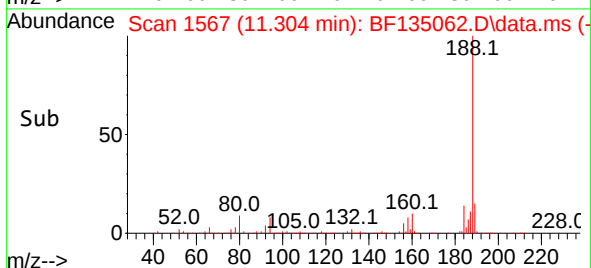
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

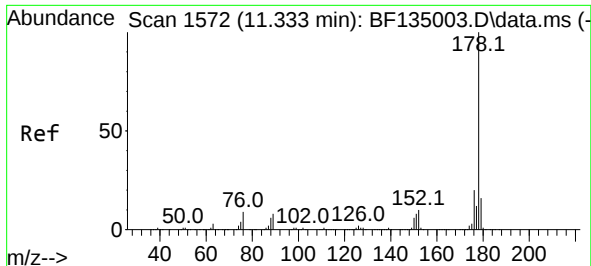


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14



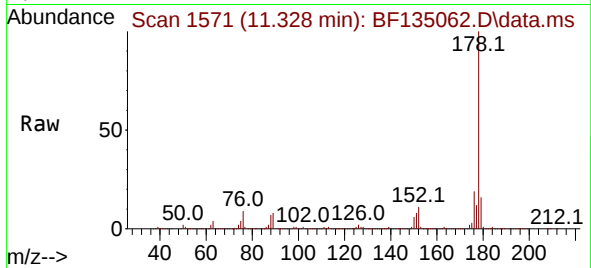
Tgt Ion:188 Resp: 375792
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.6 7.4 11.2





#71
Phenanthrene
Concen: 54.198 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

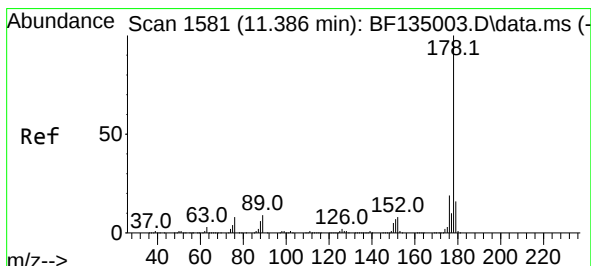
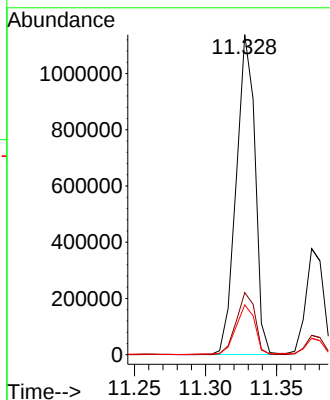
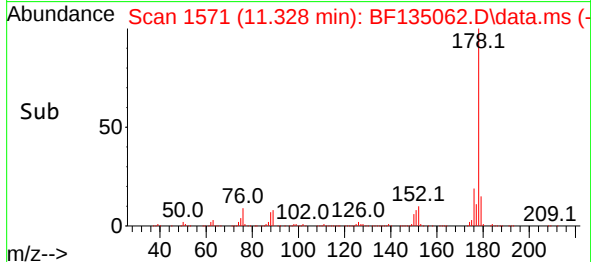
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:178 Resp: 1050750
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.5 18.7

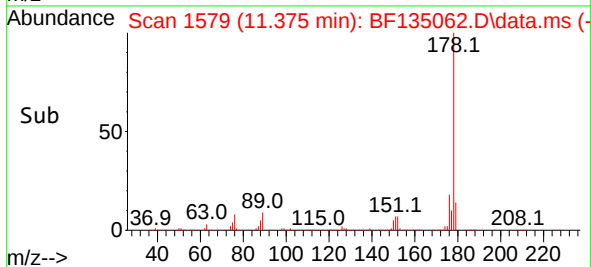
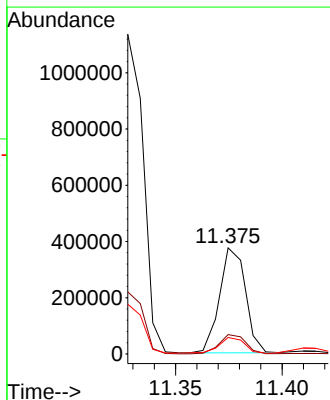
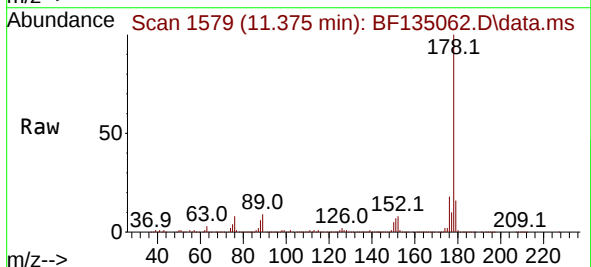
Manual Integrations
APPROVED

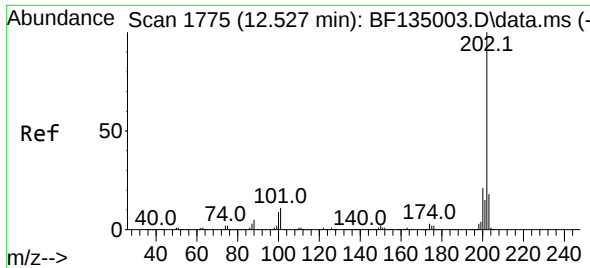
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#72
Anthracene
Concen: 16.014 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

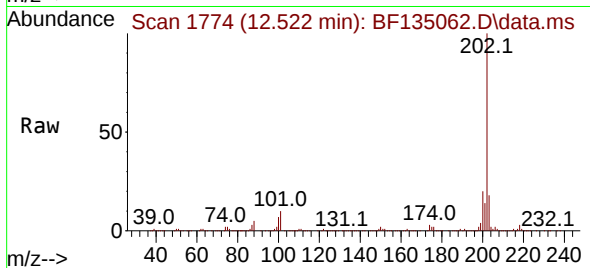
Tgt Ion:178 Resp: 317218
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.6 12.8 19.2





#75
Fluoranthene
Concen: 14.596 ng
RT: 12.522 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

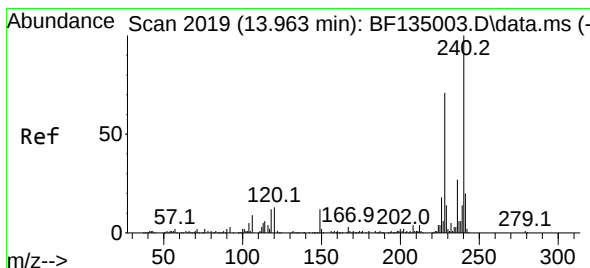
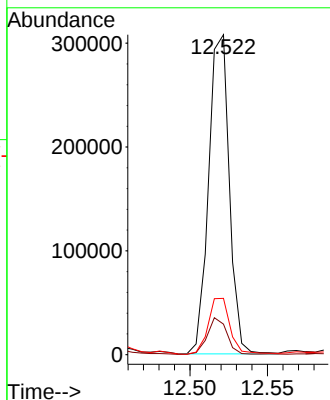
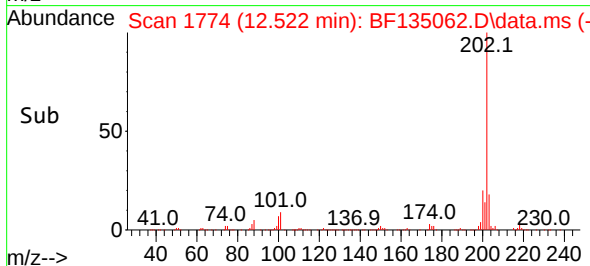
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:202 Resp: 286110
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.5
203 17.6 0.0 37.8

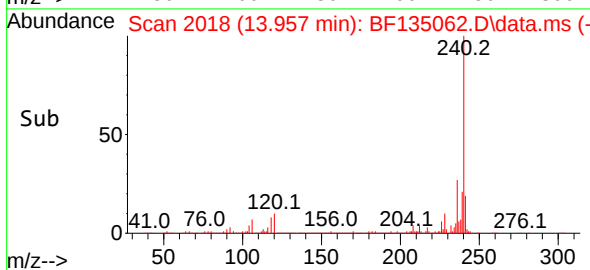
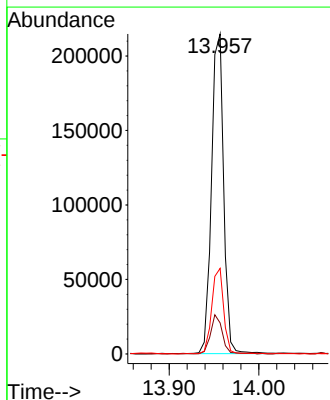
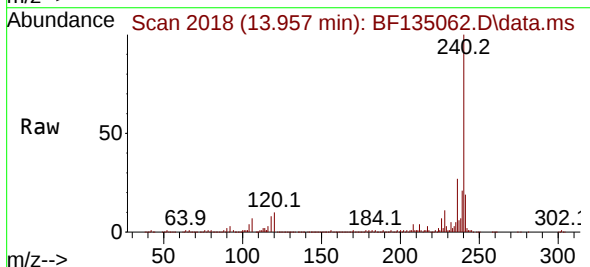
Manual Integrations
APPROVED

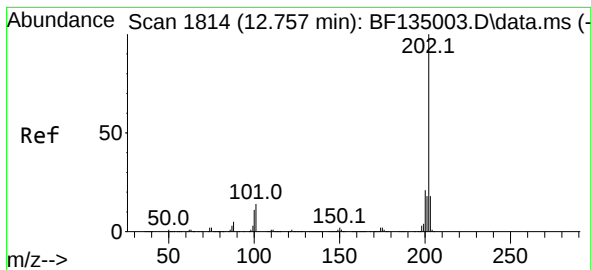
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

Tgt Ion:240 Resp: 202290
Ion Ratio Lower Upper
240 100
120 9.7 10.2 15.2#
236 26.8 21.3 31.9





#78

Pyrene

Concen: 21.242 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135062.D

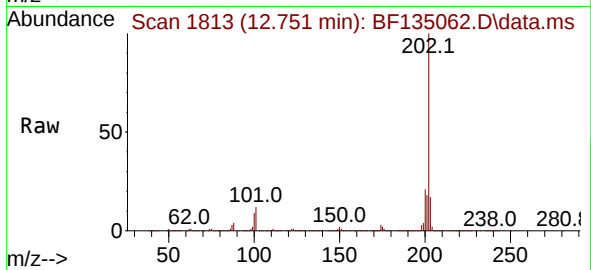
Acq: 01 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z83-84DL



Tgt Ion:202 Resp: 407980

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

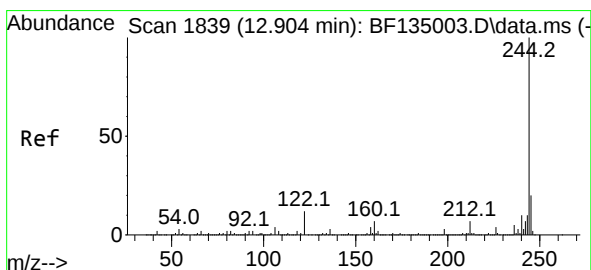
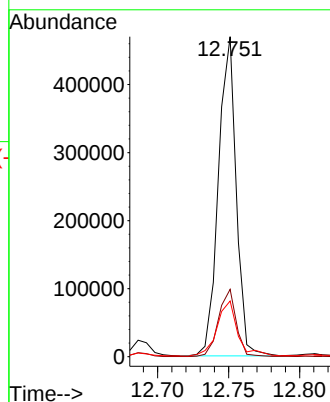
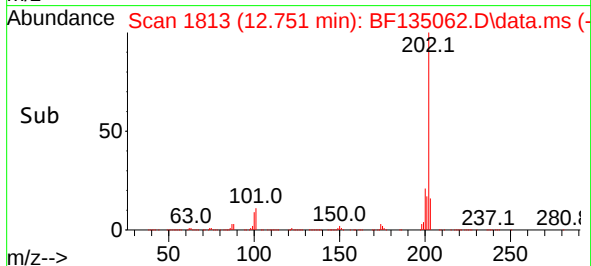
203 17.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#79

Terphenyl-d14

Concen: 0.592 ng

RT: 12.892 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF135062.D

Acq: 01 Sep 2023 02:14

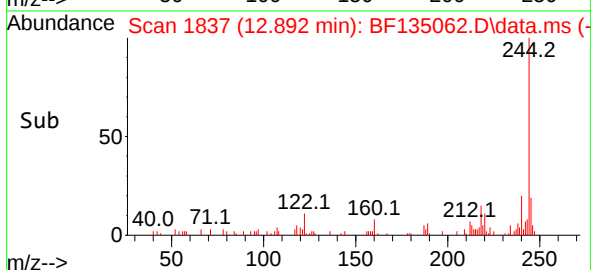
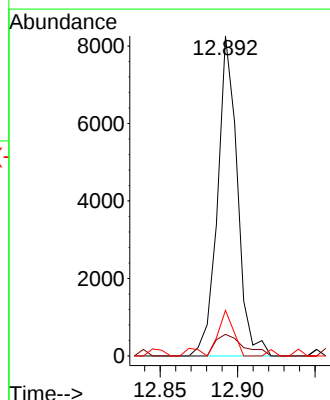
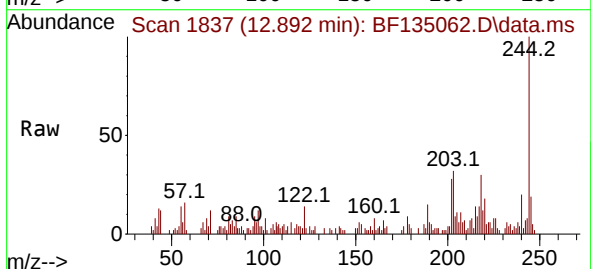
Tgt Ion:244 Resp: 7337

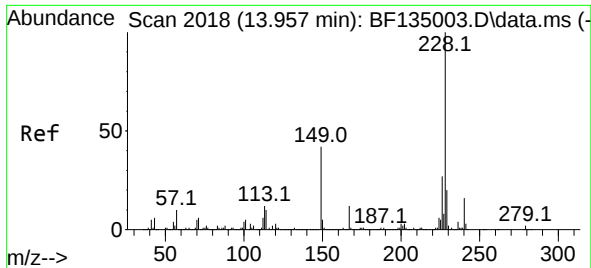
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

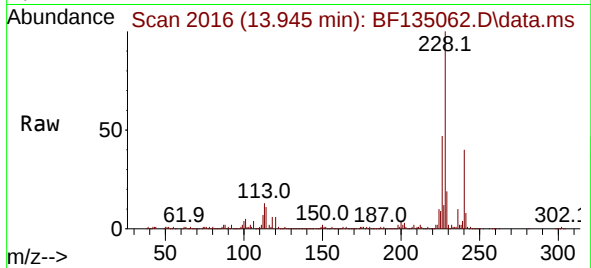
122 14.3 9.8 14.6





#81
Benzo(a)anthracene
Concen: 11.761 ng m
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

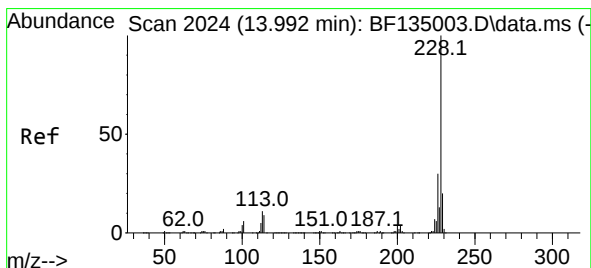
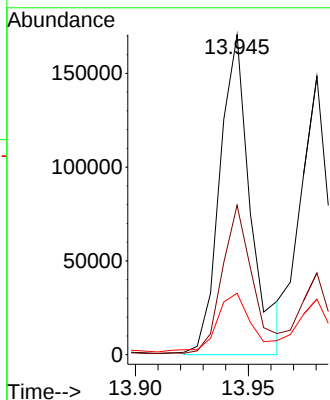
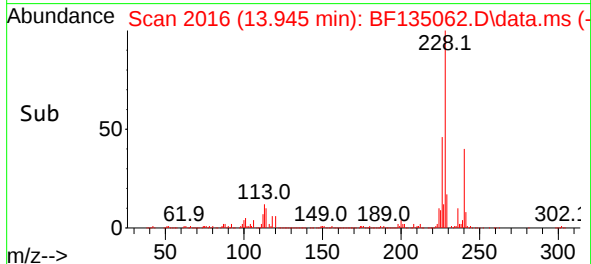
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:228 Resp: 162280
Ion Ratio Lower Upper
228 100
226 46.7 21.6 32.4
229 19.2 15.6 23.4

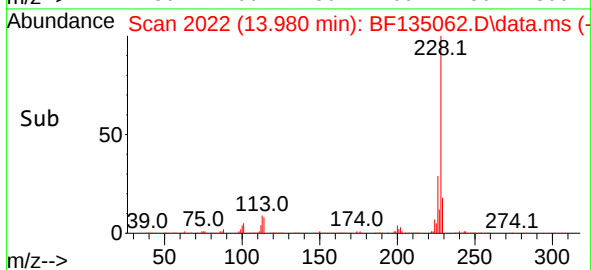
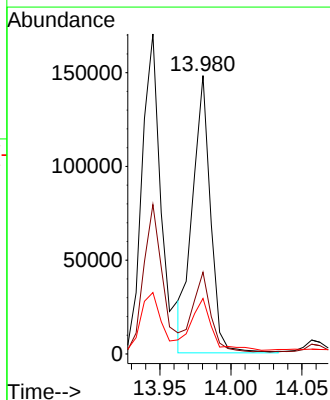
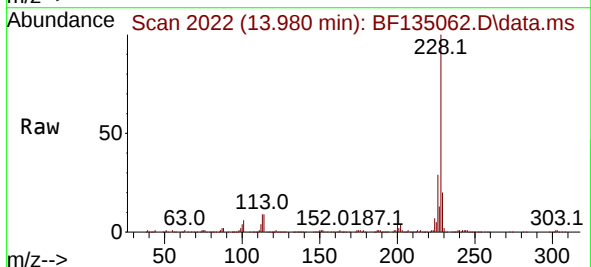
Manual Integrations
APPROVED

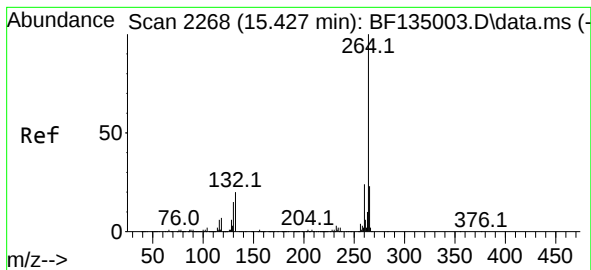
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#83
Chrysene
Concen: 9.626 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

Tgt Ion:228 Resp: 130544
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 20.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF135062.D

Acq: 01 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z83-84DL

Tgt Ion:264 Resp: 251008

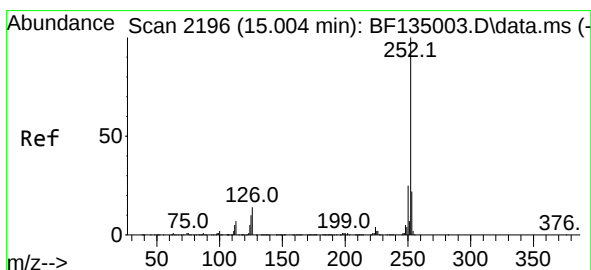
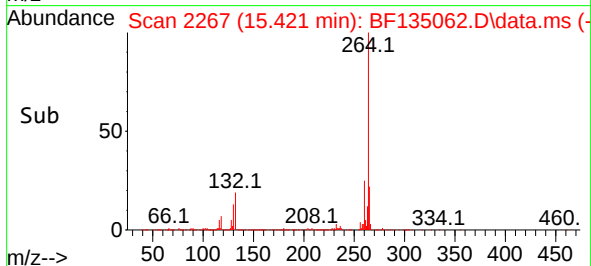
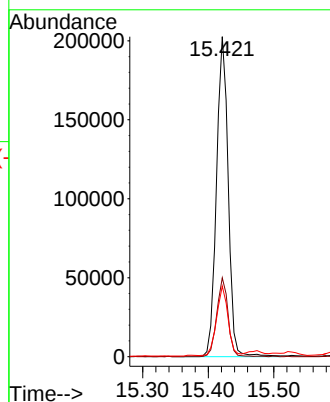
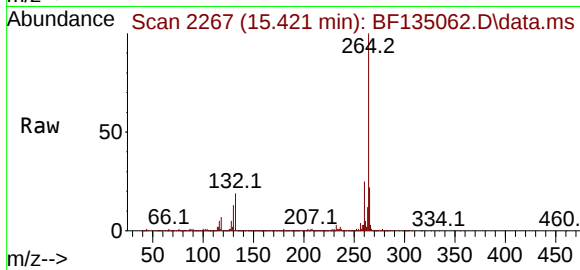
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	22.0	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#88

Benzo(b)fluoranthene

Concen: 6.224 ng m

RT: 14.992 min Scan# 2194

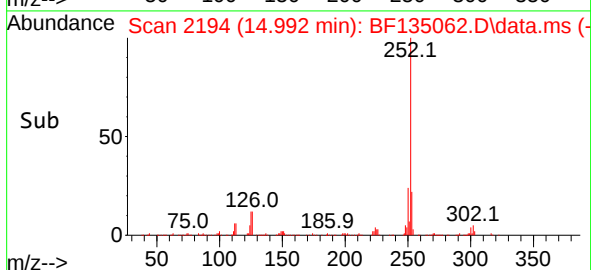
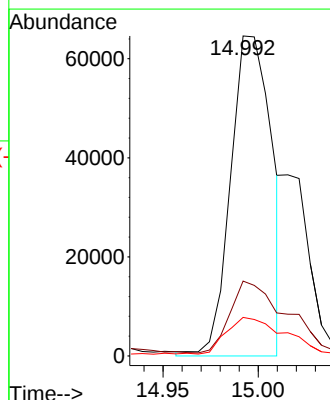
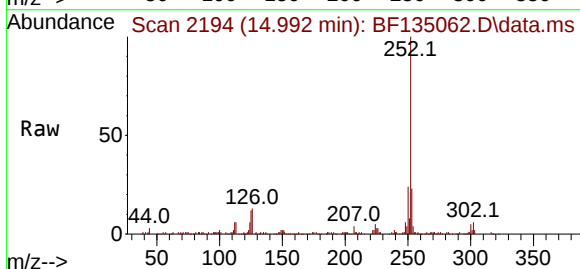
Delta R.T. -0.012 min

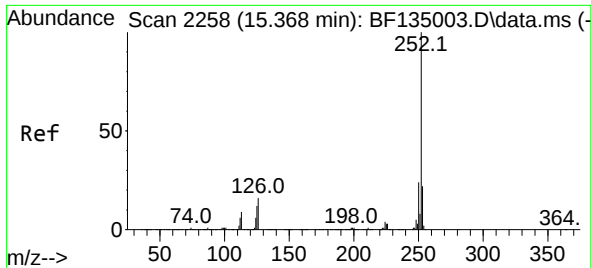
Lab File: BF135062.D

Acq: 01 Sep 2023 02:14

Tgt Ion:252 Resp: 97213

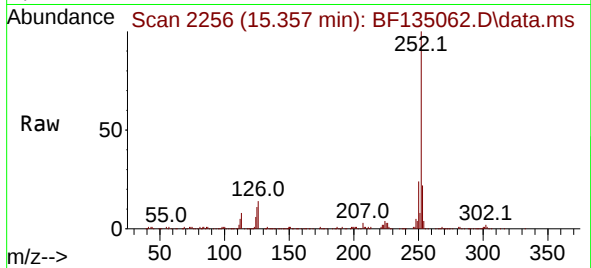
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.0	8.4	12.6





#90
Benzo(a)pyrene
Concen: 8.779 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135062.D
Acq: 01 Sep 2023 02:14

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL



Tgt Ion:252 Resp: 127368
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 10.7 9.5 14.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

