

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
 Data File : BF137055.D
 Acq On : 12 Jan 2024 18:25
 Operator : CG\JU
 Sample : P1123-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MEDIAN-EAST-SIDE-HOWARD-BLVD

Quant Time: Jan 12 22:14:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	62948	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	228545	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	101610	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	157076	20.000	ng	0.00
76) Chrysene-d12	13.974	240	131556	20.000	ng	0.00
86) Perylene-d12	15.463	264	110150	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	154161	38.212	ng	0.00
7) Phenol-d6	6.434	99	191079	36.552	ng	0.00
23) Nitrobenzene-d5	7.345	82	118000	26.420	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	39516	33.021	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	233148	30.861	ng	-0.02
79) Terphenyl-d14	12.904	244	190089	20.192	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	28668	2.283	ng	98
37) 2-Methylnaphthalene	8.775	142	17689	2.189	ng	98
38) 1-Methylnaphthalene	8.875	142	16342	2.061	ng	97
49) Acenaphthylene	9.681	152	48593	4.905	ng	96
58) Fluorene	10.369	166	18279m	2.474	ng	
71) Phenanthrene	11.333	178	199769	24.786	ng	99
72) Anthracene	11.386	178	44892	5.500	ng	98
73) Carbazole	11.551	167	21654	2.814	ng	98
75) Fluoranthene	12.533	202	307483	35.666	ng	96
78) Pyrene	12.763	202	329287	25.498	ng	99
81) Benzo(a)anthracene	13.963	228	181178	19.833	ng	95
83) Chrysene	13.998	228	166506	18.639	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	56724	7.132	ng	98
88) Benzo(b)fluoranthene	15.027	252	172216m	23.408	ng	
89) Benzo(k)fluoranthene	15.051	252	42654m	6.136	ng	
90) Benzo(a)pyrene	15.398	252	117023	18.844	ng	96
92) Benzo(g,h,i)perylene	17.445	276	56071	8.391	ng	99

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

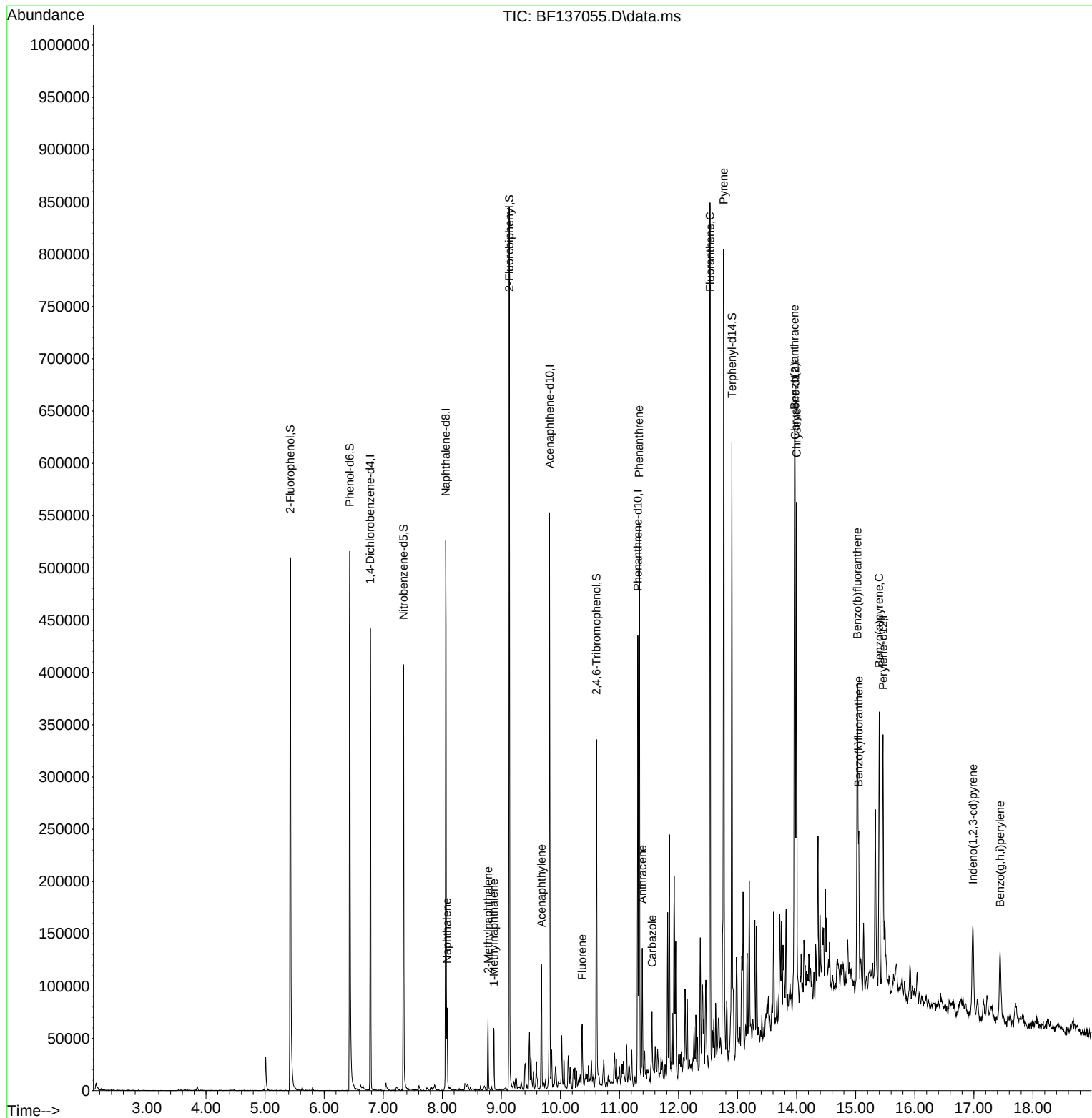
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
Data File : BF137055.D
Acq On : 12 Jan 2024 18:25
Operator : CG\JU
Sample : P1123-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

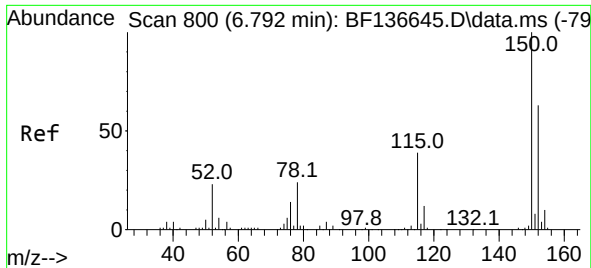
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD

Quant Time: Jan 12 22:14:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

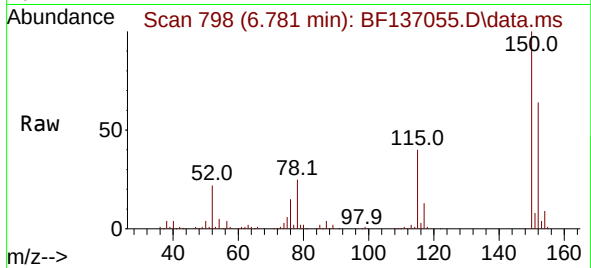
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

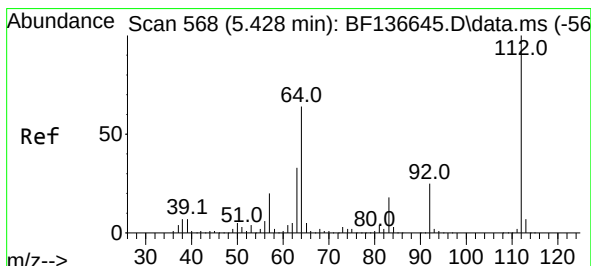
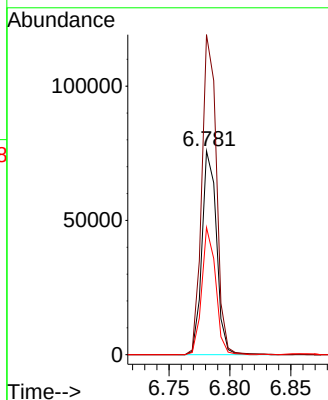
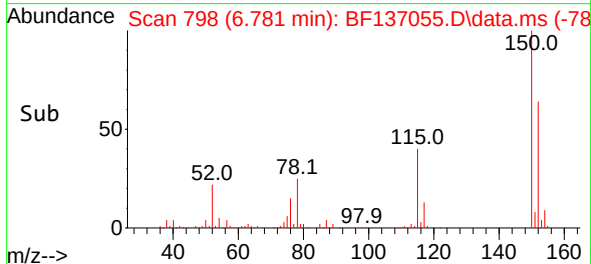
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion:152 Resp: 62948
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 62.5 49.0 73.4

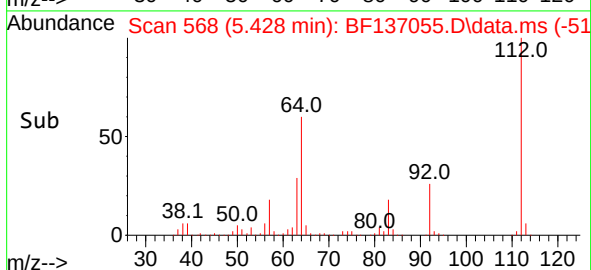
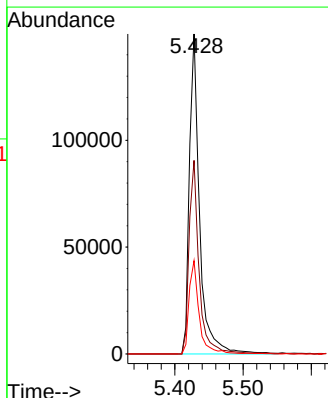
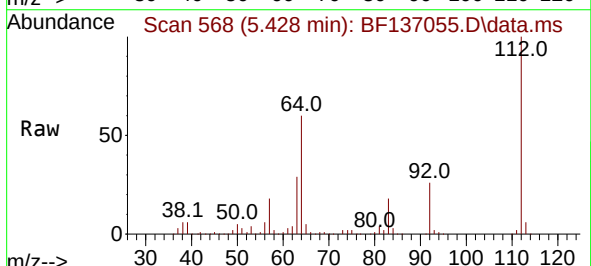
Manual Integrations
APPROVED

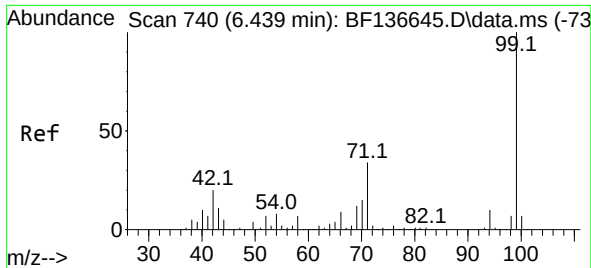
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#5
2-Fluorophenol
Concen: 38.212 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

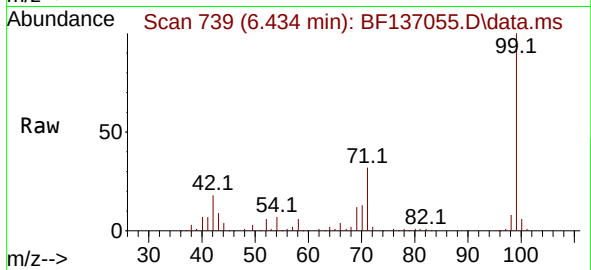
Tgt Ion:112 Resp: 154161
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 29.2 26.1 39.1





#7
Phenol-d6
Concen: 36.552 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

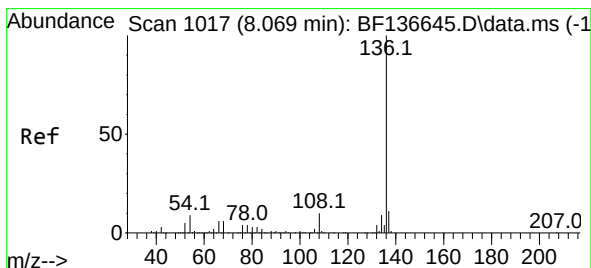
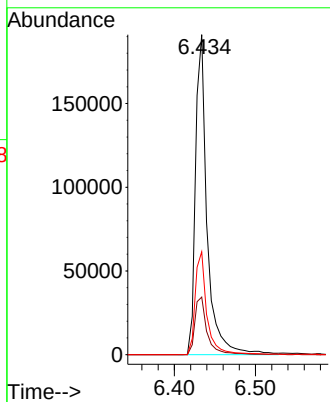
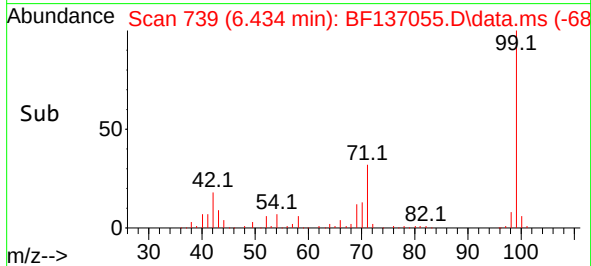
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion: 99 Resp: 191079
Ion Ratio Lower Upper
99 100
42 18.0 16.1 24.1
71 32.2 27.4 41.2

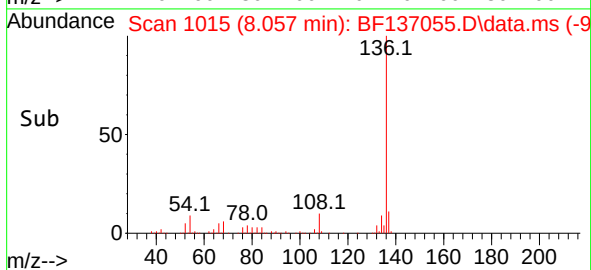
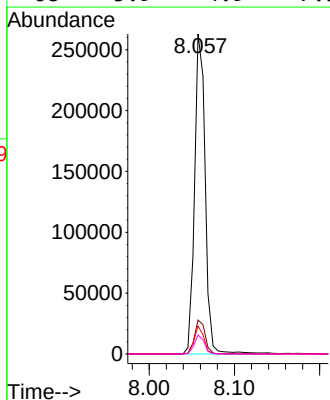
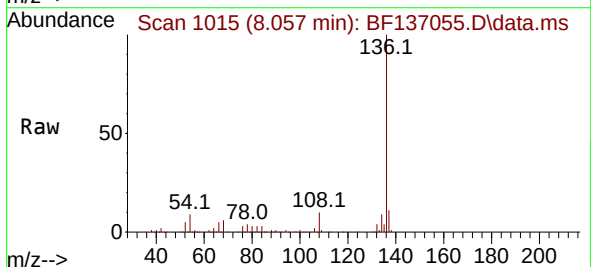
Manual Integrations
APPROVED

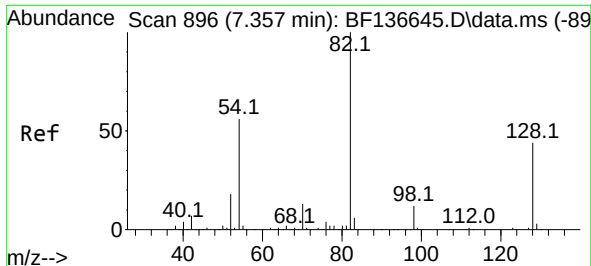
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Tgt Ion:136 Resp: 228545
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.7 7.2 10.8
68 5.9 4.9 7.3





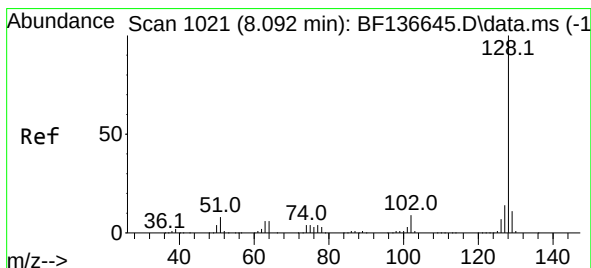
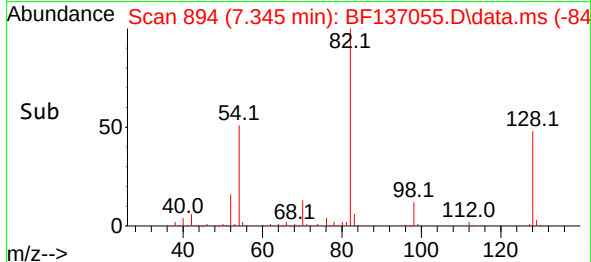
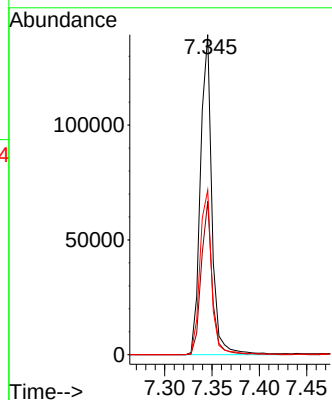
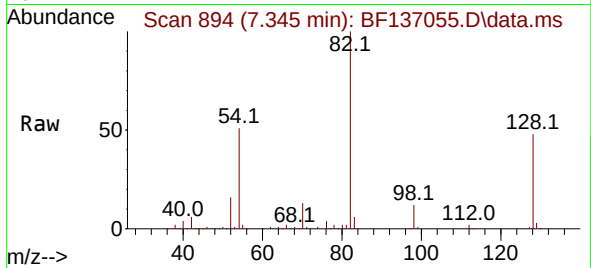
#23
Nitrobenzene-d5
Concen: 26.420 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD

Tgt Ion: 82 Resp: 118000
Ion Ratio Lower Upper
82 100
128 47.9 35.3 52.9
54 51.4 44.5 66.7

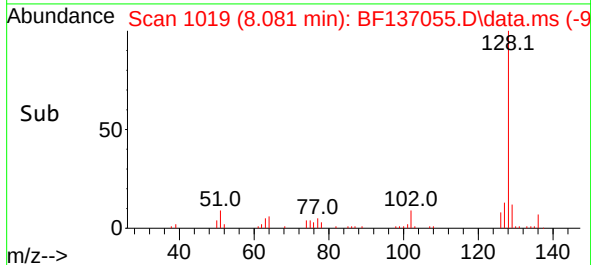
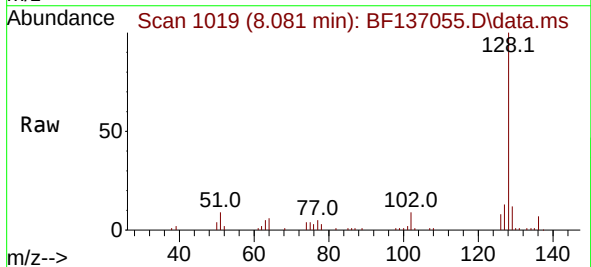
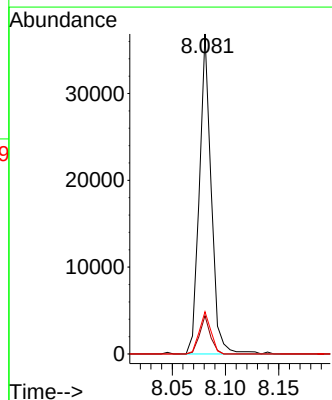
Manual Integrations
APPROVED

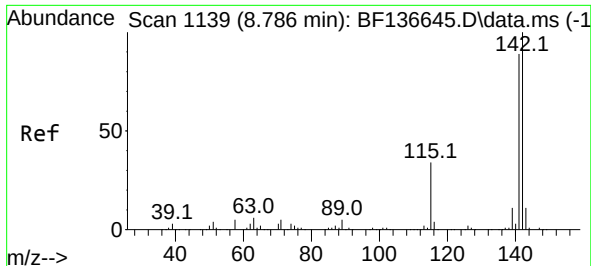
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#31
Naphthalene
Concen: 2.283 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Tgt Ion:128 Resp: 28668
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 2.189 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF137055.D

Acq: 12 Jan 2024 18:25

Instrument :

BNA_F

ClientSampleId :

MEDIAN-EAST-SIDE-HOWARD-BLVD

Tgt Ion:142 Resp: 17689

Ion Ratio Lower Upper

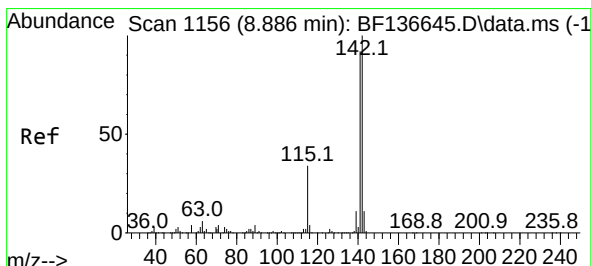
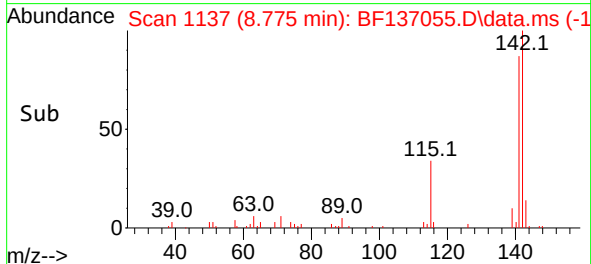
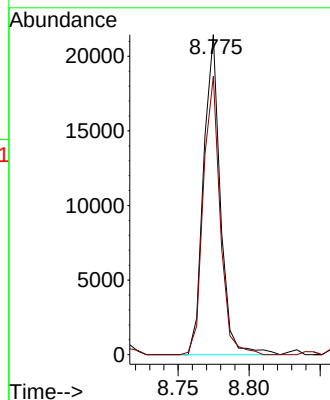
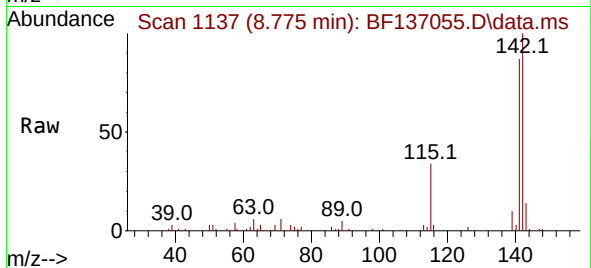
142 100

141 87.0 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#38

1-Methylnaphthalene

Concen: 2.061 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF137055.D

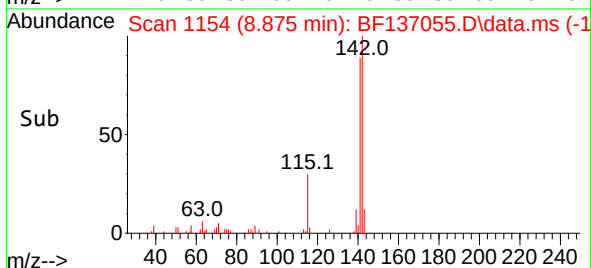
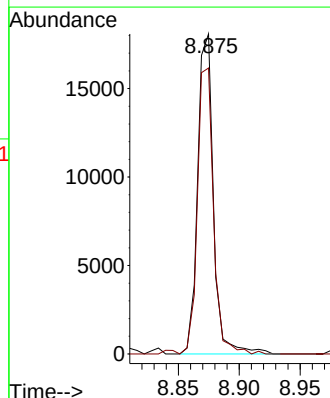
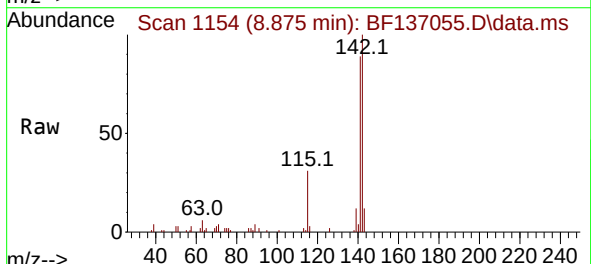
Acq: 12 Jan 2024 18:25

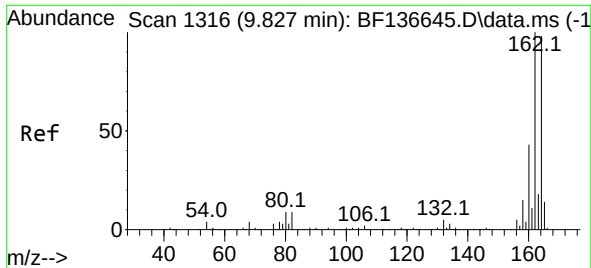
Tgt Ion:142 Resp: 16342

Ion Ratio Lower Upper

142 100

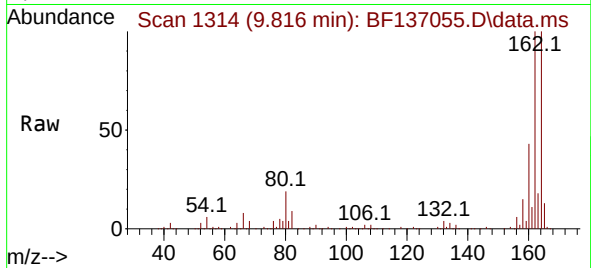
141 89.4 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

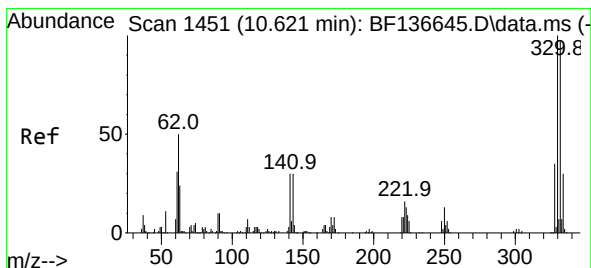
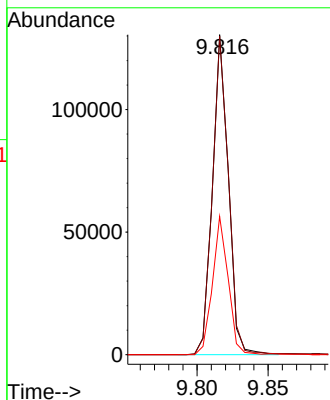
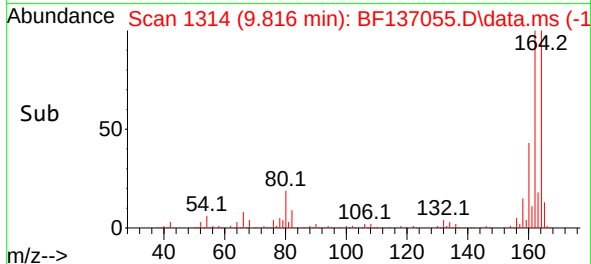
Instrument : BNA_F
ClientSampleId : MEDIAN-EAST-SIDE-HOWARD-BLVD



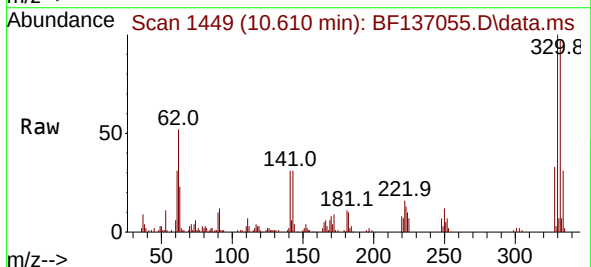
Tgt Ion:164 Resp: 101610
Ion Ratio Lower Upper
164 100
162 99.6 81.6 122.4
160 43.2 34.9 52.3

Manual Integrations
APPROVED

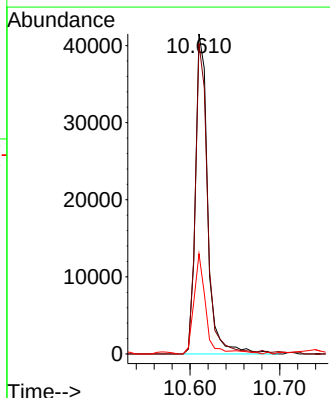
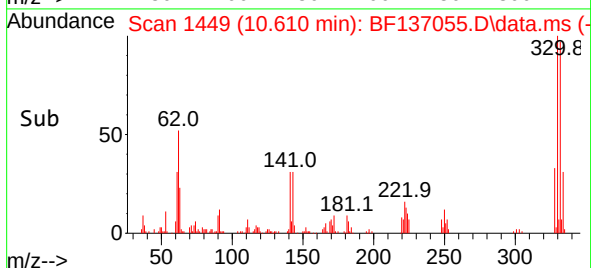
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

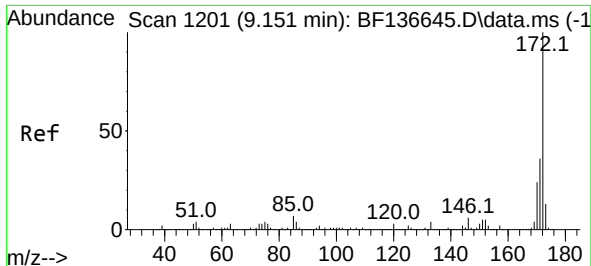


#42
2,4,6-Tribromophenol
Concen: 33.021 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25



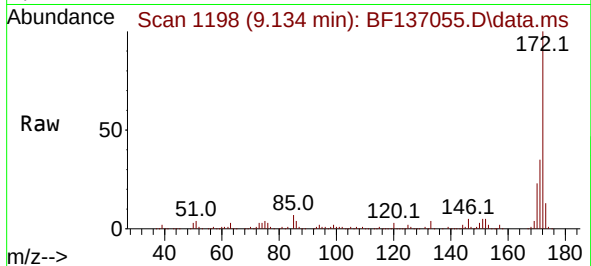
Tgt Ion:330 Resp: 39516
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 30.2 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 30.861 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

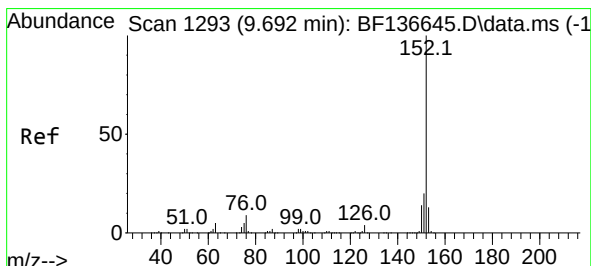
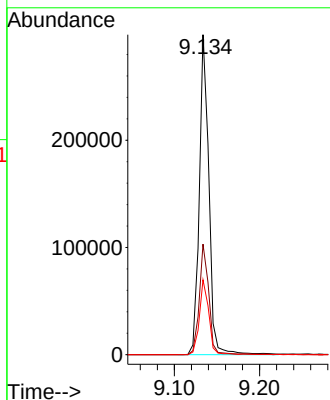
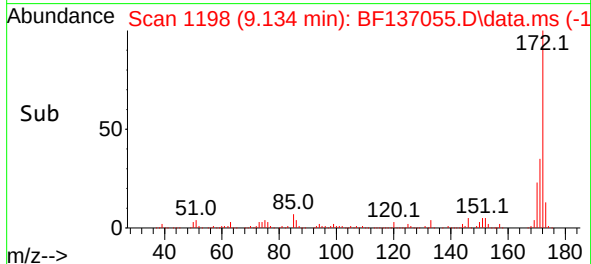
Instrument : BNA_F
ClientSampleId : MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion:172 Resp: 233148
Ion Ratio Lower Upper
172 100
171 34.6 29.0 43.6
170 23.4 19.0 28.4

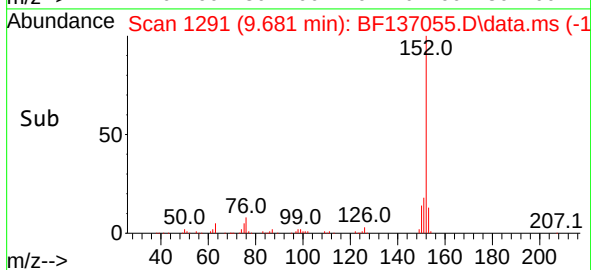
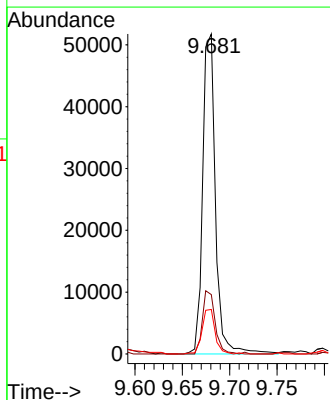
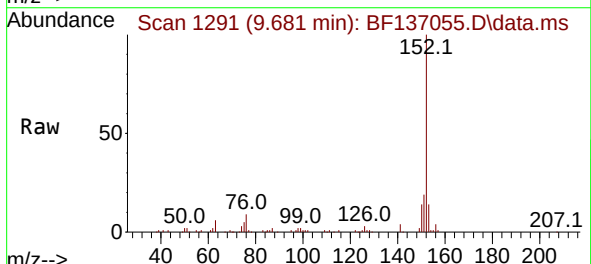
Manual Integrations
APPROVED

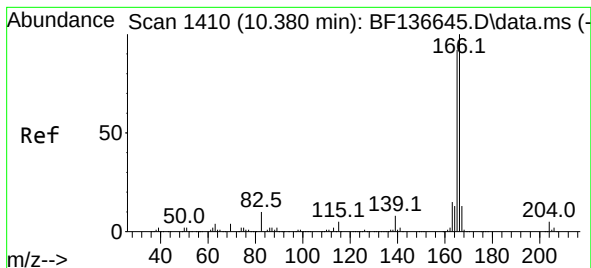
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#49
Acenaphthylene
Concen: 4.905 ng
RT: 9.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

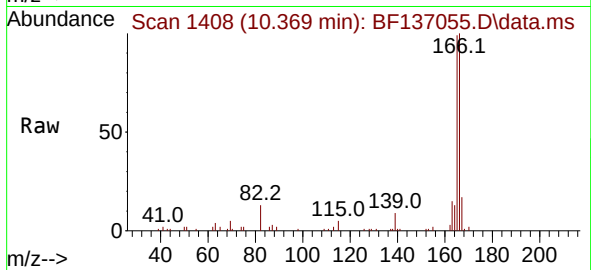
Tgt Ion:152 Resp: 48593
Ion Ratio Lower Upper
152 100
151 18.5 16.2 24.4
153 13.9 10.2 15.2





#58
Fluorene
Concen: 2.474 ng m
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

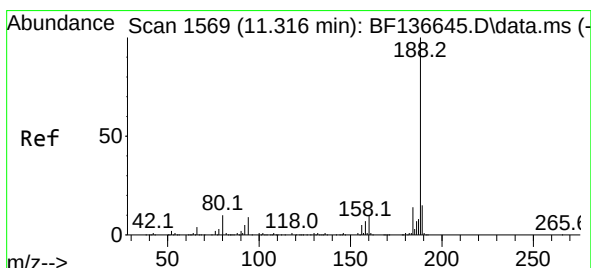
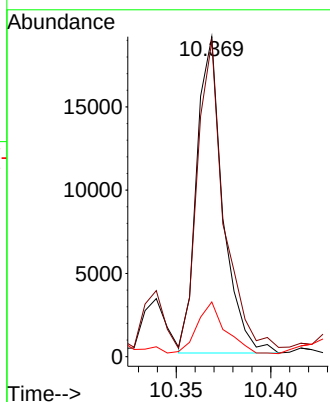
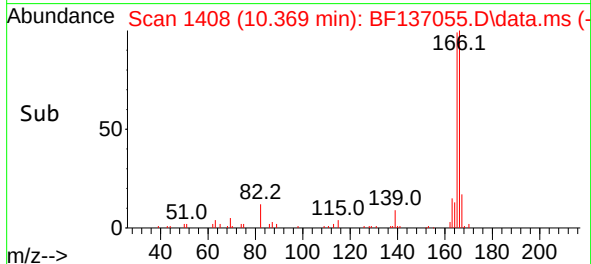
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD



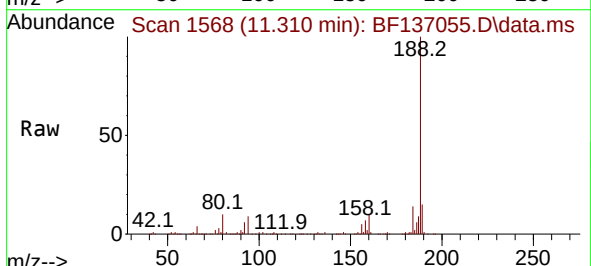
Tgt Ion:166 Resp: 18279
Ion Ratio Lower Upper
166 100
165 98.6 73.7 110.5
167 17.1 10.4 15.6

Manual Integrations
APPROVED

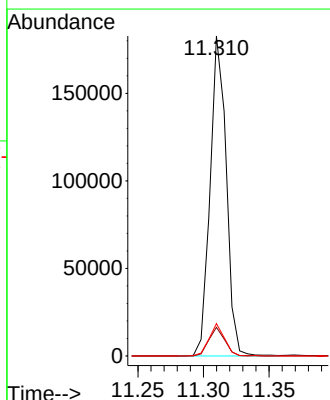
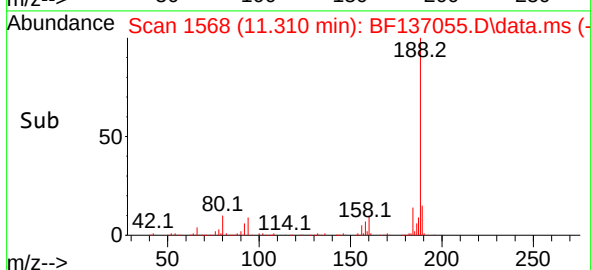
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

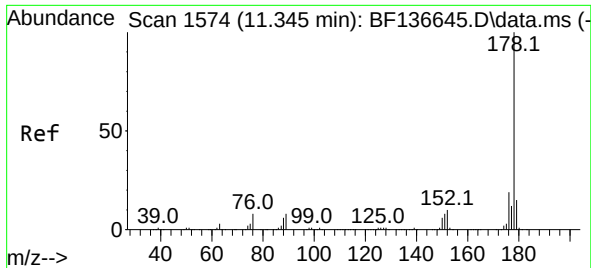


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25



Tgt Ion:188 Resp: 157076
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 10.1 8.1 12.1





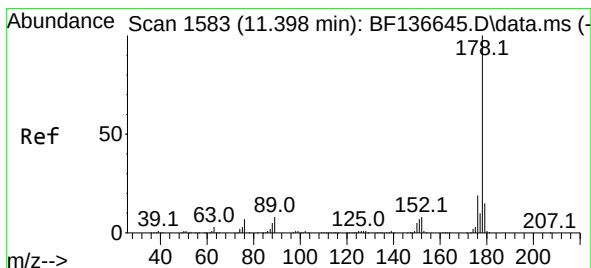
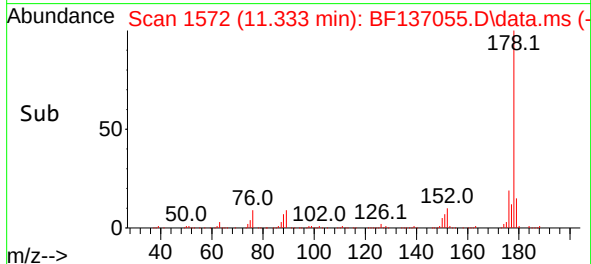
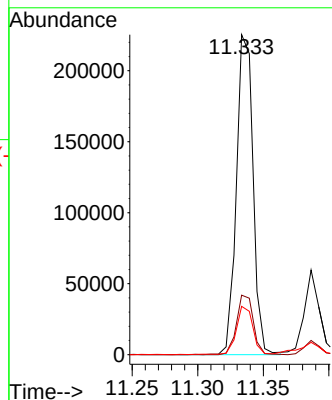
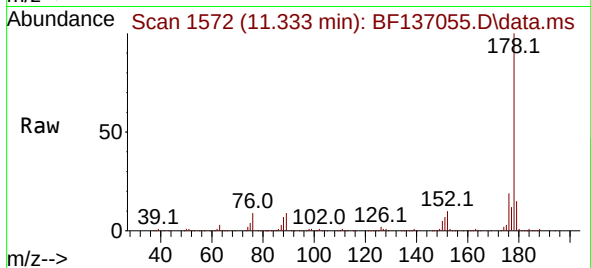
#71
Phenanthrene
Concen: 24.786 ng
RT: 11.333 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Instrument : BNA_F
ClientSampleId : MEDIAN-EAST-SIDE-HOWARD-BLVD

Tgt Ion:178 Resp: 199769
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.1 11.9 17.9

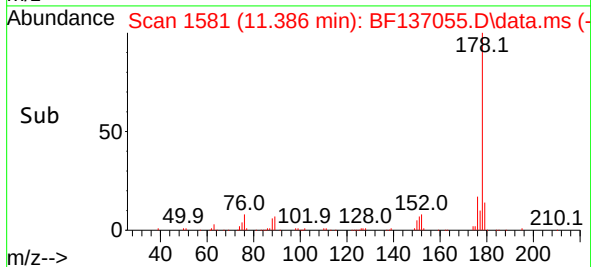
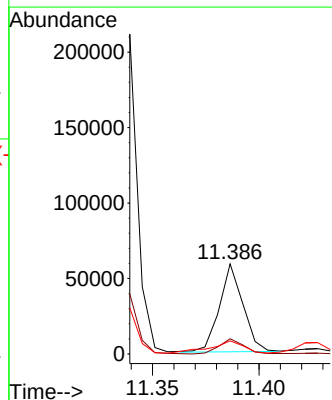
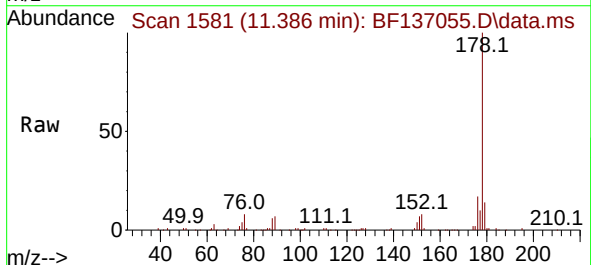
Manual Integrations
APPROVED

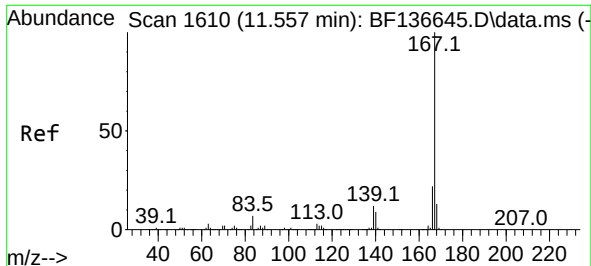
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#72
Anthracene
Concen: 5.500 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

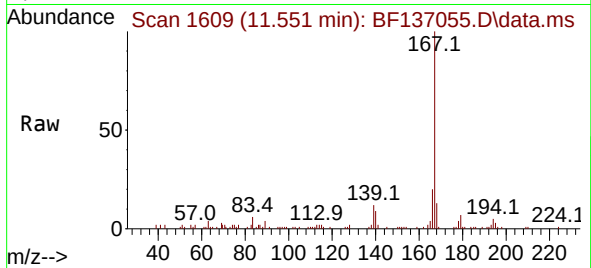
Tgt Ion:178 Resp: 44892
Ion Ratio Lower Upper
178 100
176 16.9 14.9 22.3
179 14.5 11.8 17.6





#73
 Carbazole
 Concen: 2.814 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137055.D
 Acq: 12 Jan 2024 18:25

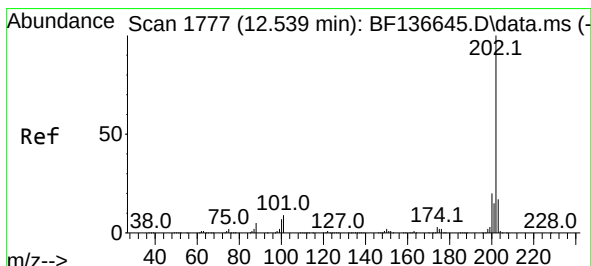
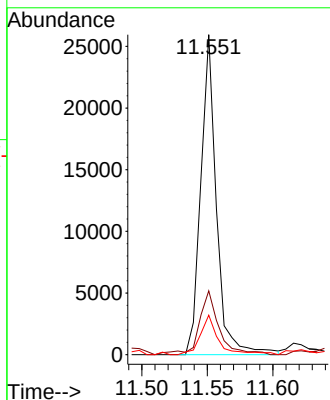
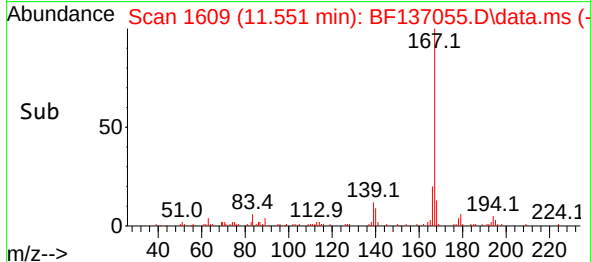
Instrument :
 BNA_F
 ClientSampleId :
 MEDIAN-EAST-SIDE-HOWARD-BLVD



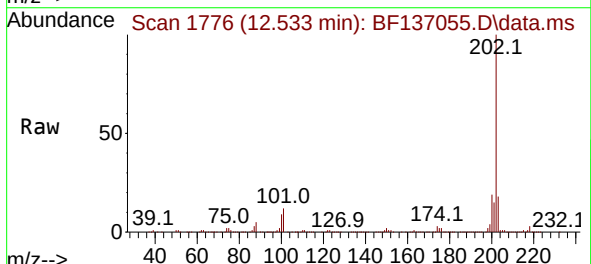
Tgt Ion:167 Resp: 21654
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.3 25.9
 139 12.4 9.8 14.6

Manual Integrations
 APPROVED

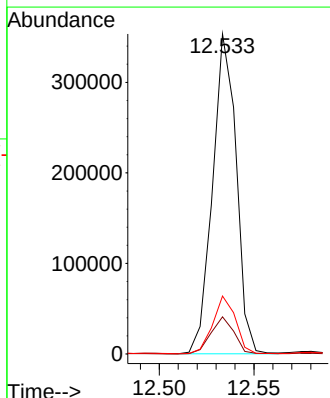
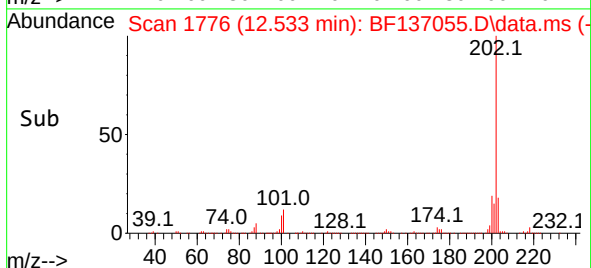
Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

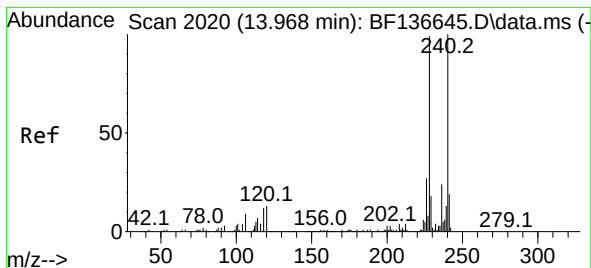


#75
 Fluoranthene
 Concen: 35.666 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137055.D
 Acq: 12 Jan 2024 18:25



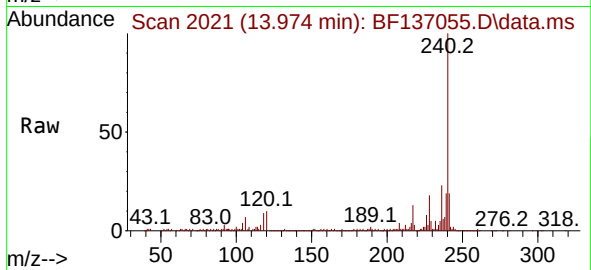
Tgt Ion:202 Resp: 307483
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 29.3
 203 18.1 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

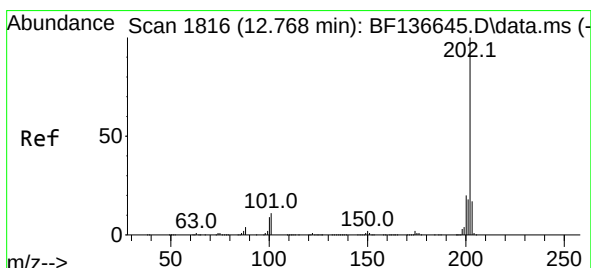
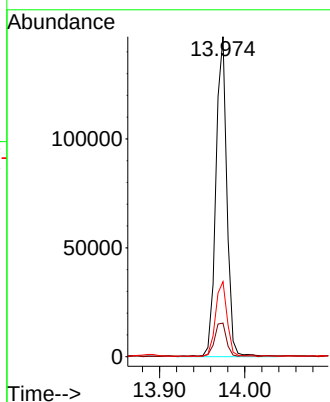
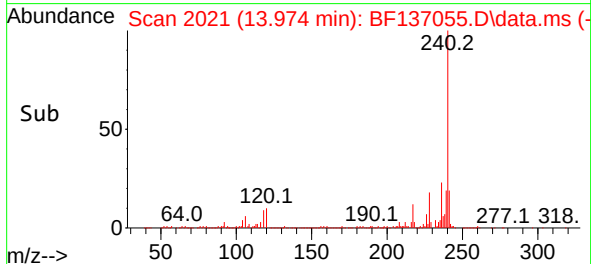
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion:240 Resp: 131550
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 23.4 19.4 29.2

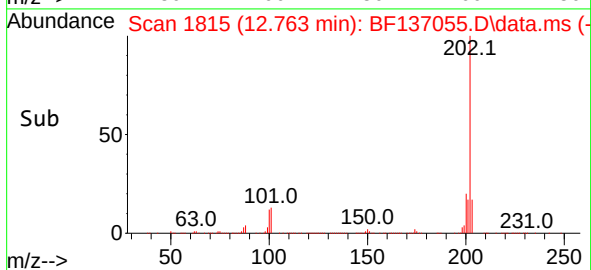
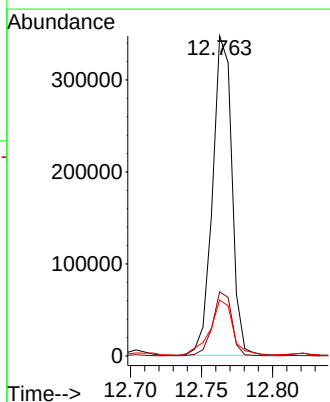
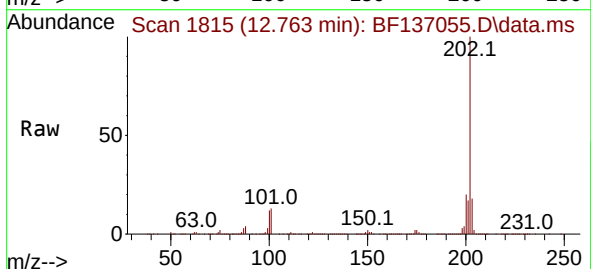
Manual Integrations
APPROVED

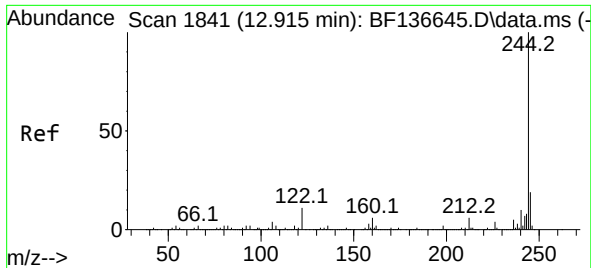
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#78
Pyrene
Concen: 25.498 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

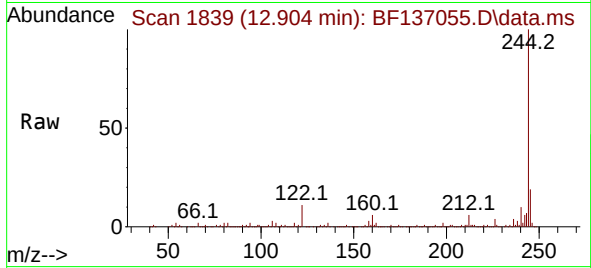
Tgt Ion:202 Resp: 329287
Ion Ratio Lower Upper
202 100
200 20.1 15.9 23.9
203 17.5 13.8 20.6





#79
Terphenyl-d14
Concen: 20.192 ng
RT: 12.904 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

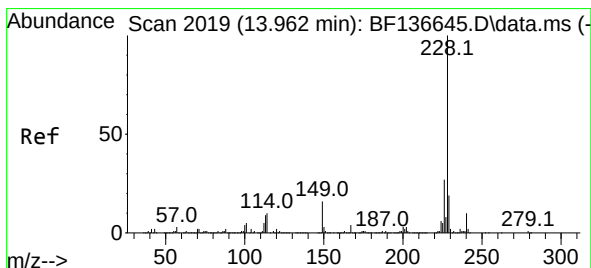
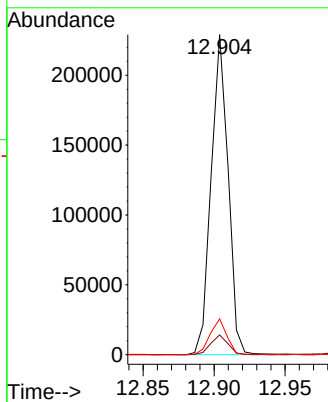
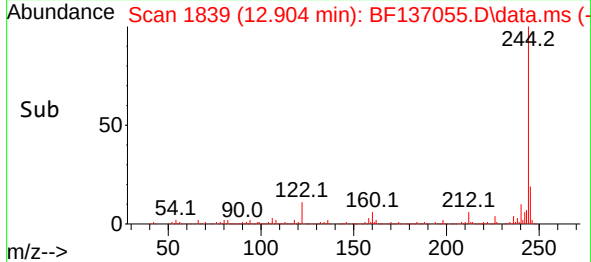
Instrument : BNA_F
ClientSampleId : MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion:244 Resp: 190089
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 11.2 9.0 13.4

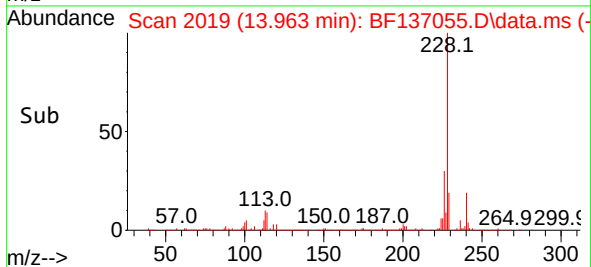
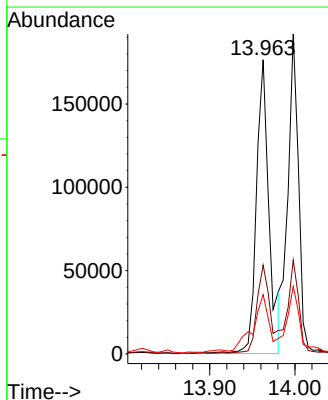
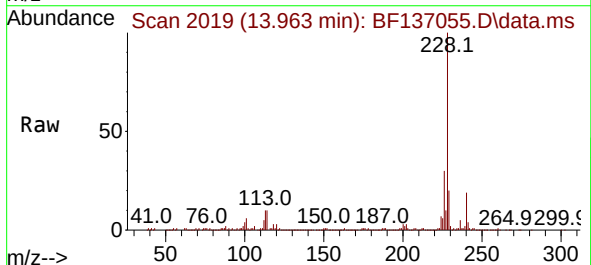
Manual Integrations
APPROVED

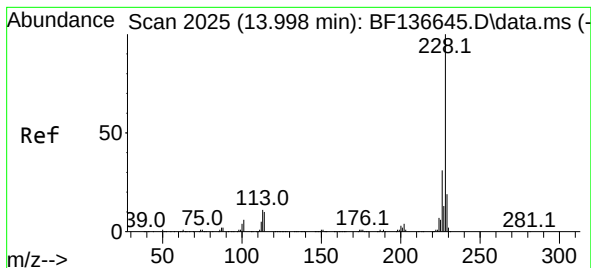
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#81
Benzo(a)anthracene
Concen: 19.833 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Tgt Ion:228 Resp: 181178
Ion Ratio Lower Upper
228 100
226 30.2 21.4 32.0
229 20.2 14.9 22.3





#83

Chrysene

Concen: 18.639 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137055.D

Acq: 12 Jan 2024 18:25

Instrument :

BNA_F

ClientSampleId :

MEDIAN-EAST-SIDE-HOWARD-BLVD

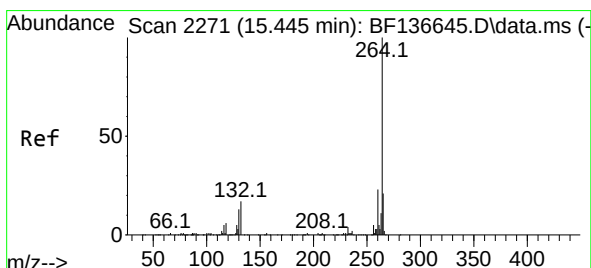
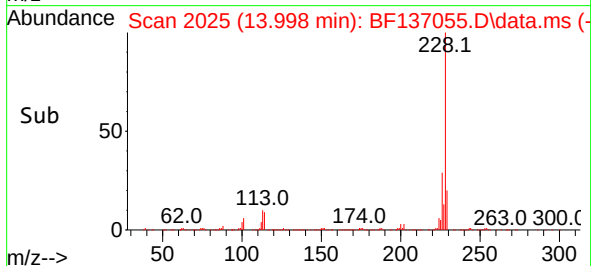
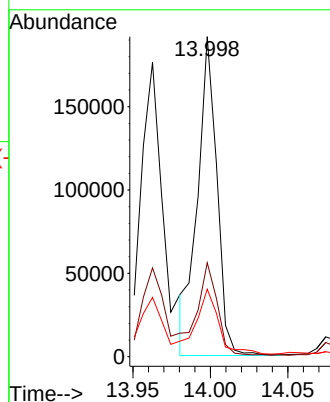
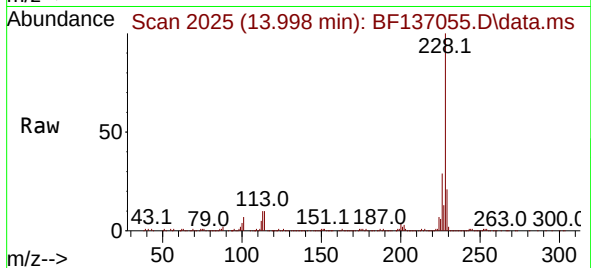
Tgt Ion:228 Resp: 166500

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	21.1	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

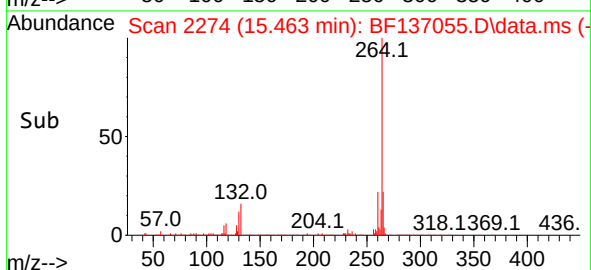
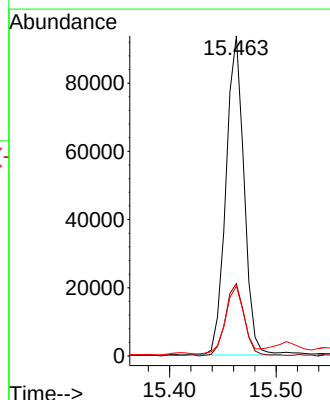
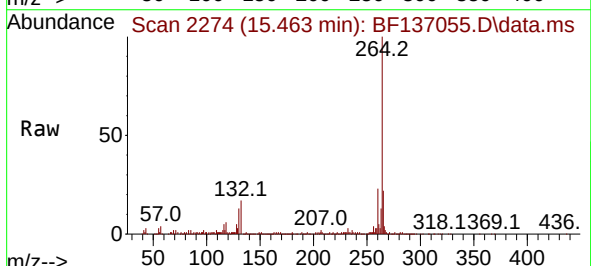
Delta R.T. 0.018 min

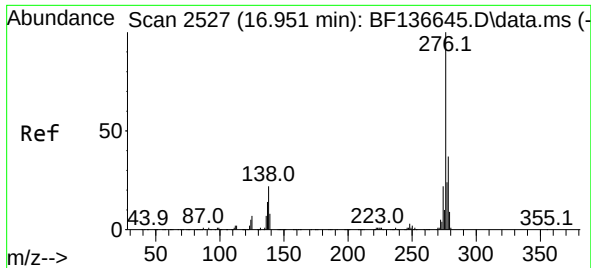
Lab File: BF137055.D

Acq: 12 Jan 2024 18:25

Tgt Ion:264 Resp: 110150

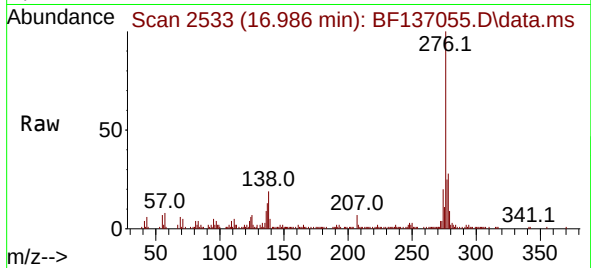
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.9	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.132 ng
RT: 16.986 min Scan# 2105
Delta R.T. 0.035 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

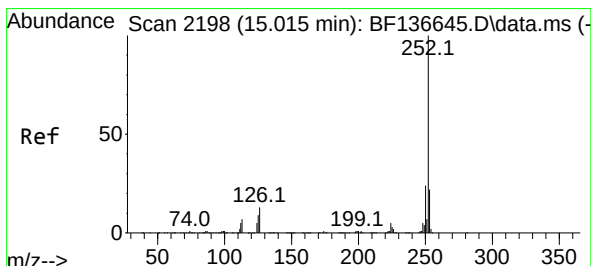
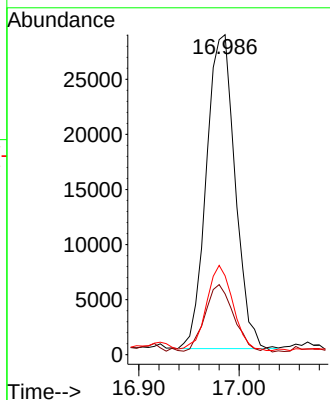
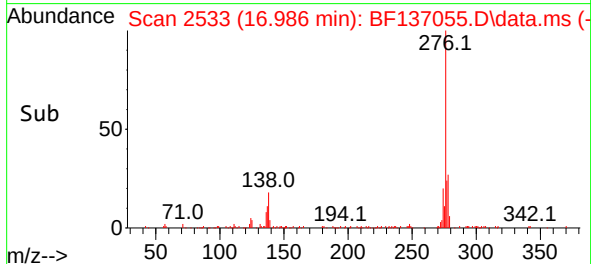
Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD



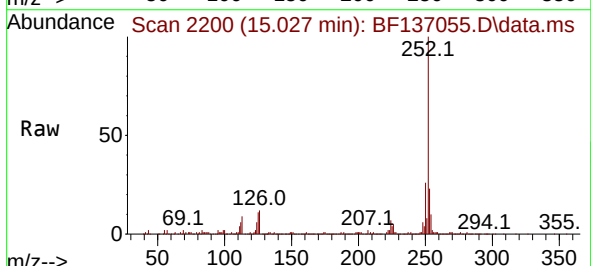
Tgt Ion:276 Resp: 56724
Ion Ratio Lower Upper
276 100
138 21.3 18.7 28.1
277 25.1 20.2 30.2

Manual Integrations
APPROVED

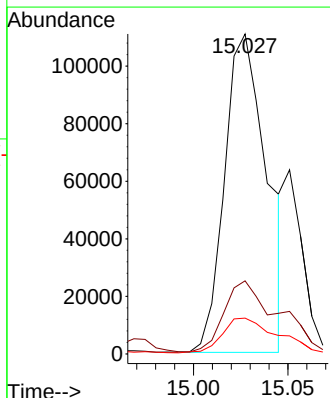
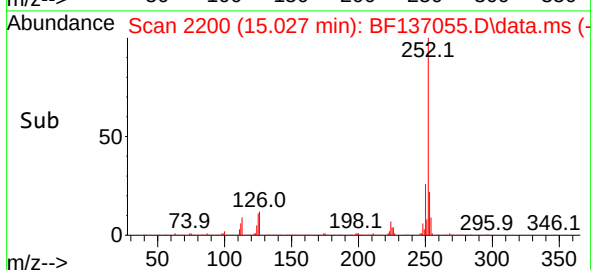
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

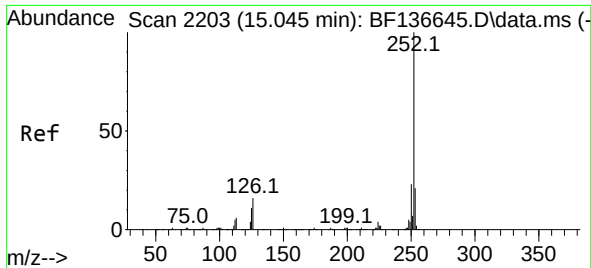


#88
Benzo(b)fluoranthene
Concen: 23.408 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25



Tgt Ion:252 Resp: 172216
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.2 7.4 11.2#





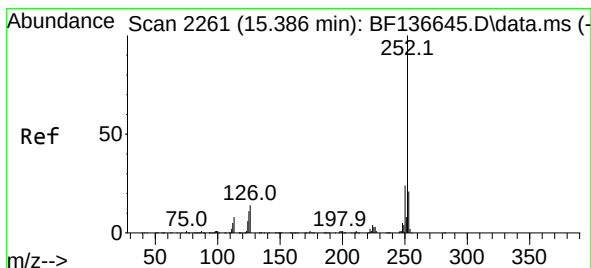
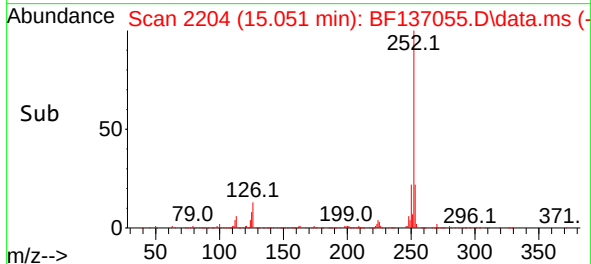
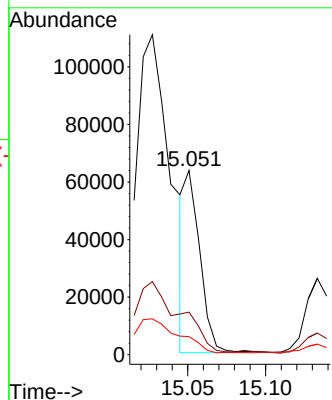
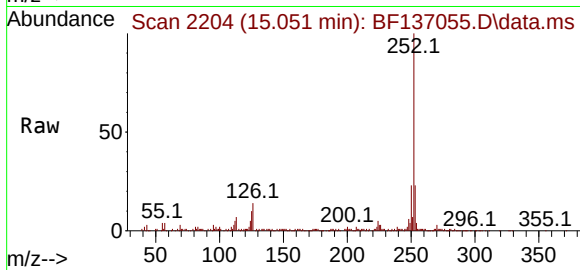
#89
Benzo(k)fluoranthene
Concen: 6.136 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Instrument :
BNA_F
ClientSampleId :
MEDIAN-EAST-SIDE-HOWARD-BLVD

Tgt Ion:252 Resp: 42654
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 9.8 8.2 12.4

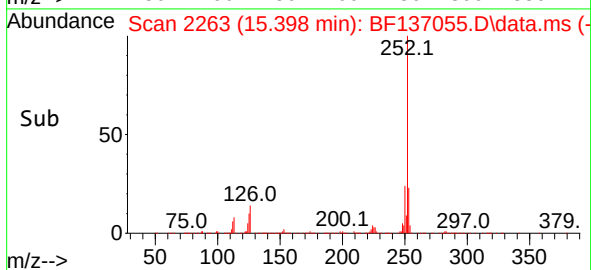
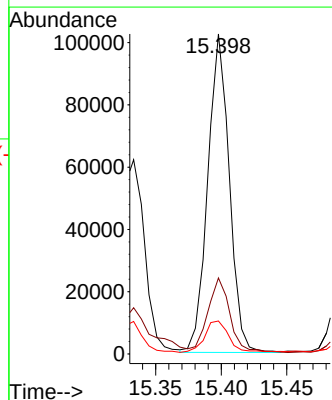
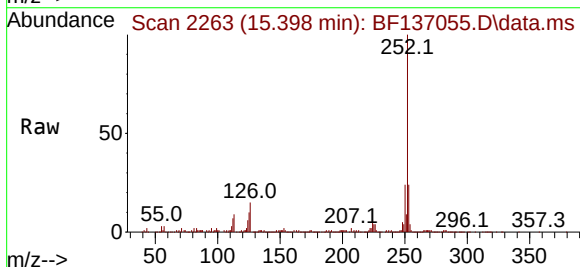
Manual Integrations
APPROVED

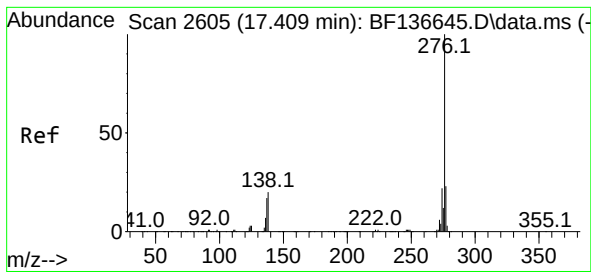
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#90
Benzo(a)pyrene
Concen: 18.844 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137055.D
Acq: 12 Jan 2024 18:25

Tgt Ion:252 Resp: 117023
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 10.3 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 8.391 ng

RT: 17.445 min Scan# 20

Delta R.T. 0.036 min

Lab File: BF137055.D

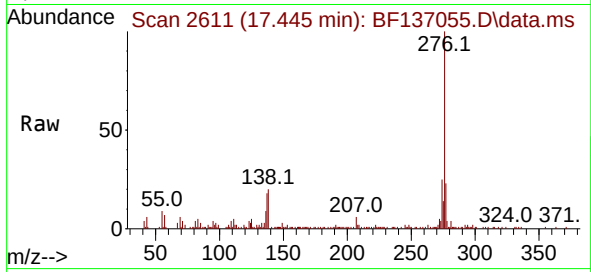
Acq: 12 Jan 2024 18:25

Instrument :

BNA_F

ClientSampleId :

MEDIAN-EAST-SIDE-HOWARD-BLVD



Tgt Ion:276 Resp: 5607

Ion Ratio Lower Upper

276 100

277 23.1 18.3 27.5

138 20.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024

Supervised By :mohammad ahmed 01/16/2024

