

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137404.D
 Acq On : 27 Feb 2024 14:47
 Operator : CG\JU
 Sample : P1573-01DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-022224DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024

Quant Time: Feb 27 15:19:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	167554	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	666758	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	350426	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	507557	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	348402	20.000	ng	-0.02
86) Perylene-d12	15.445	264	369851	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	32370	2.981	ng	-0.02
7) Phenol-d6	6.422	99	54686	3.424	ng	-0.02
23) Nitrobenzene-d5	7.345	82	27737	2.077	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	8829	2.893	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	73181	3.251	ng	-0.02
79) Terphenyl-d14	12.904	244	61210	2.457	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.080	128	224743	6.281	ng	99
37) 2-Methylnaphthalene	8.775	142	72235	3.133	ng	97
38) 1-Methylnaphthalene	8.869	142	63018	2.891	ng	100
52) Acenaphthene	9.845	154	58351	3.121	ng	97
55) Dibenzofuran	10.022	168	79944	2.767	ng	97
58) Fluorene	10.363	166	151393	6.861	ng	99
71) Phenanthrene	11.333	178	978503	34.943	ng	98
72) Anthracene	11.380	178	205759	7.130	ng	99
73) Carbazole	11.545	167	77893	3.159	ng	97
75) Fluoranthene	12.527	202	837800	30.650	ng	99
78) Pyrene	12.757	202	720895	21.882	ng	99
81) Benzo(a)anthracene	13.951	228	324945	13.441	ng	97
83) Chrysene	13.986	228	296446	12.003	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	116813	6.254	ng	94
88) Benzo(b)fluoranthene	15.009	252	375415m	16.546	ng	
89) Benzo(k)fluoranthene	15.033	252	132278m	5.563	ng	
90) Benzo(a)pyrene	15.380	252	283124	13.156	ng	99
91) Dibenzo(a,h)anthracene	16.956	278	25592m	2.708	ng	
92) Benzo(g,h,i)perylene	17.386	276	109183	6.885	ng	98

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

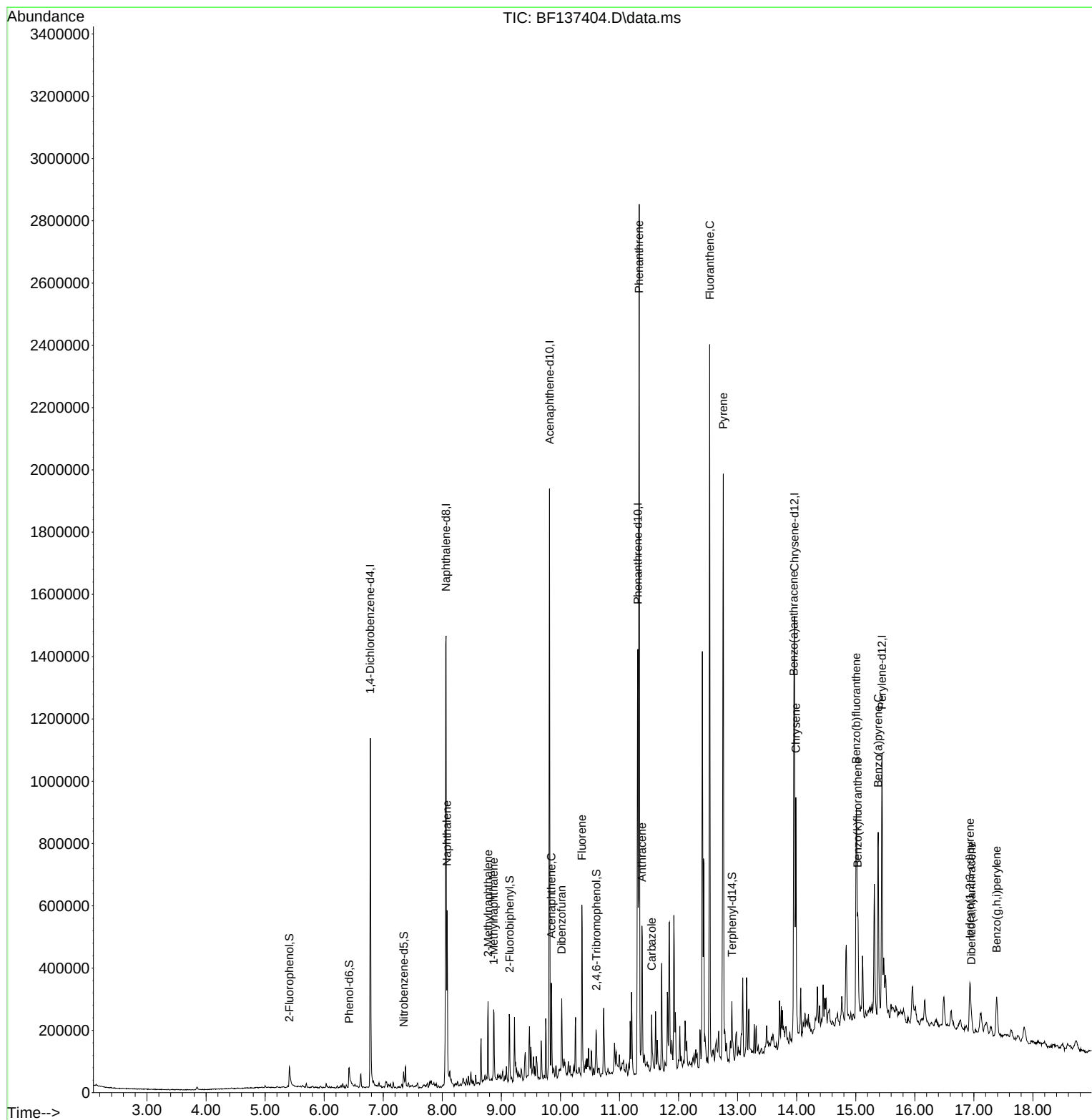
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
Data File : BF137404.D
Acq On : 27 Feb 2024 14:47
Operator : CG\JU
Sample : P1573-01DL 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

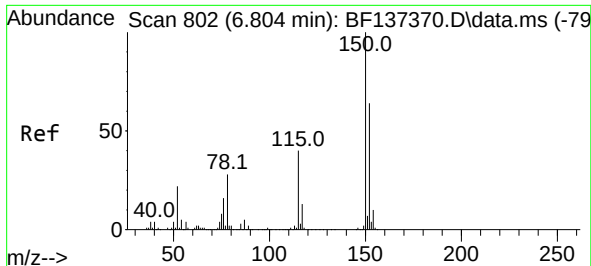
Instrument :
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NB-07-022224DL

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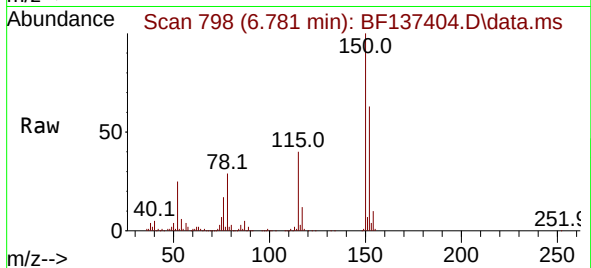
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 24 04:23:49 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

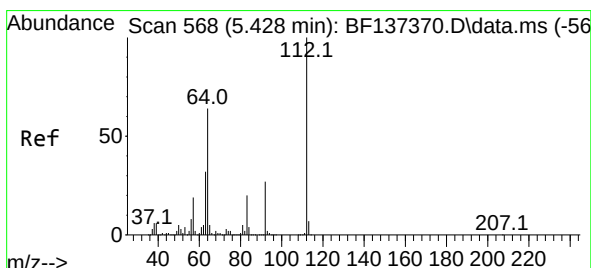
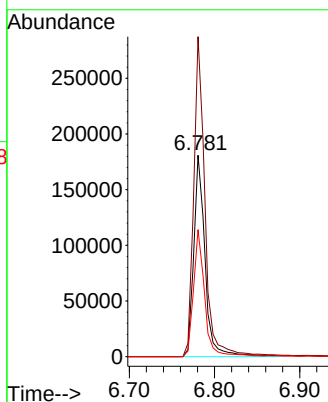
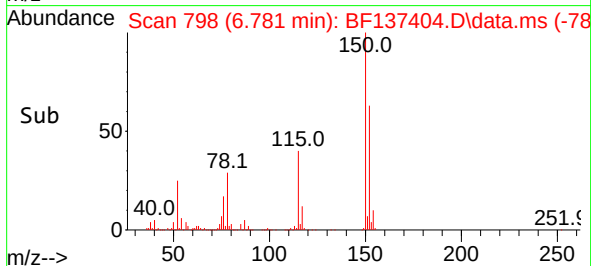
Instrument :
BNA_F
ClientSampleId :
NB-07-022224DL



Tgt Ion:152 Resp: 167554
Ion Ratio Lower Upper
152 100
150 158.9 125.7 188.5
115 63.0 49.8 74.8

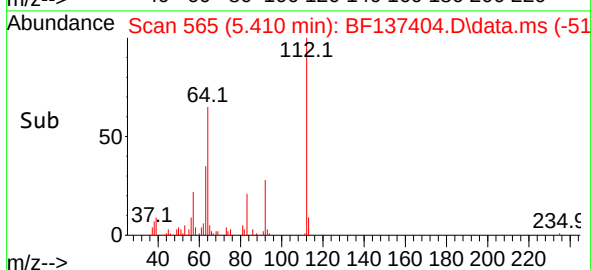
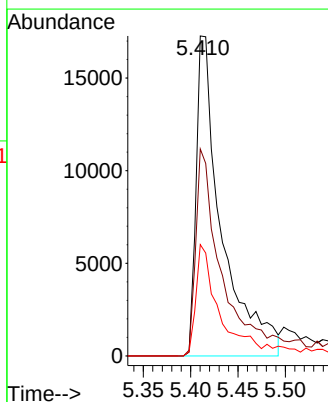
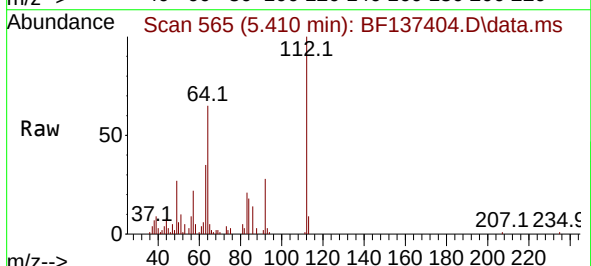
Manual Integrations
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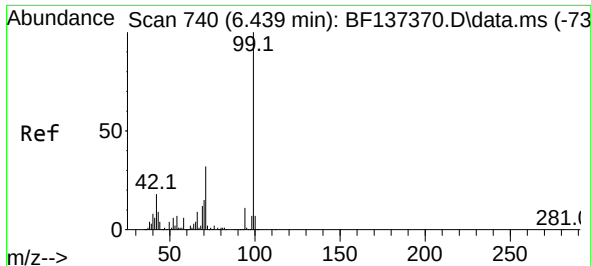
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#5
2-Fluorophenol
Concen: 2.981 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

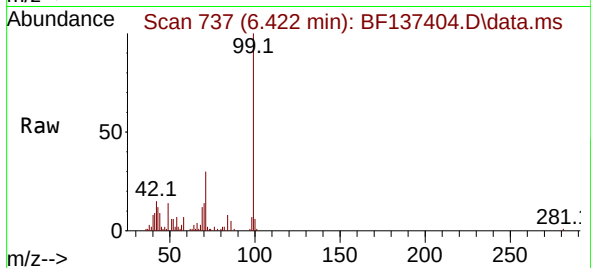
Tgt Ion:112 Resp: 32370
Ion Ratio Lower Upper
112 100
64 64.7 51.0 76.6
63 34.8 25.7 38.5





#7
Phenol-d6
Concen: 3.424 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

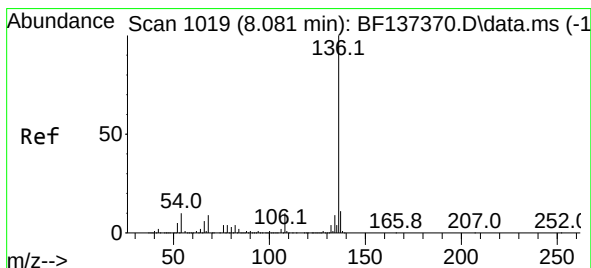
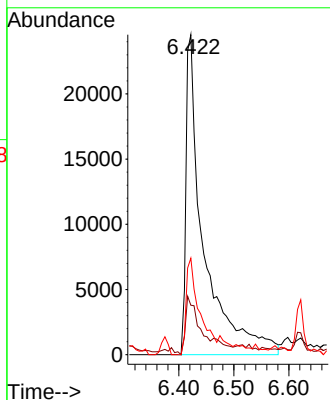
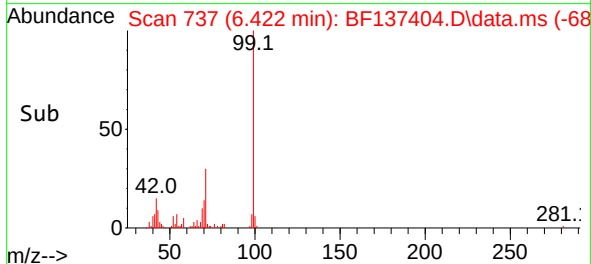
Instrument :
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ClientSampleId :
NB-07-022224DL



Tgt Ion: 99 Resp: 5468
Ion Ratio Lower Upper
99 100
42 15.4 14.2 21.4
71 30.1 25.2 37.8

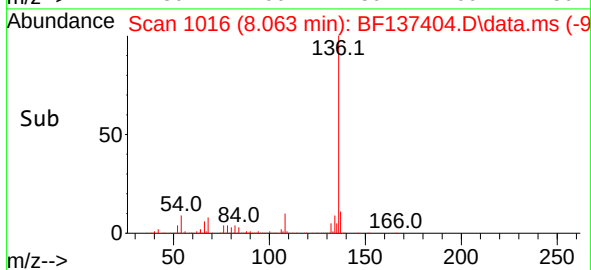
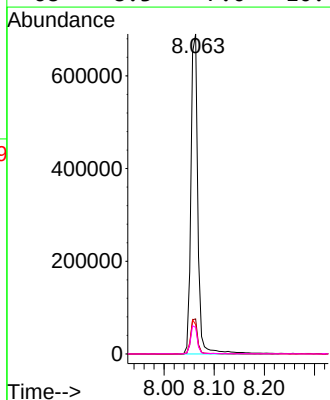
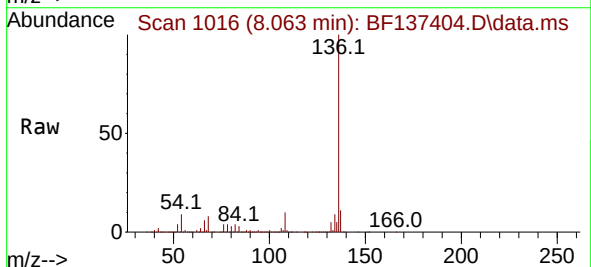
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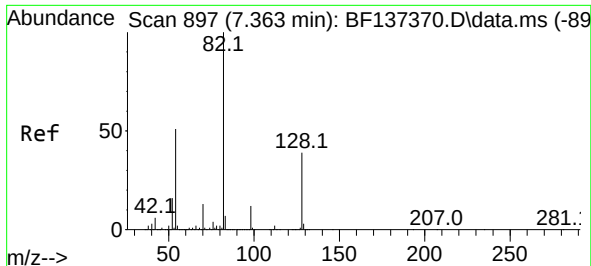
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Tgt Ion:136 Resp: 666758
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.2 7.8 11.6
68 8.3 7.0 10.4





#23

Nitrobenzene-d5

Concen: 2.077 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

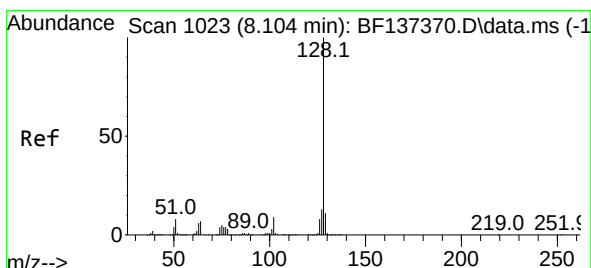
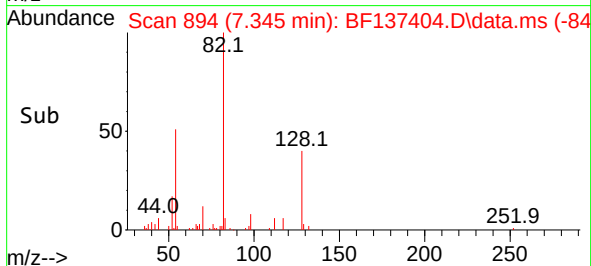
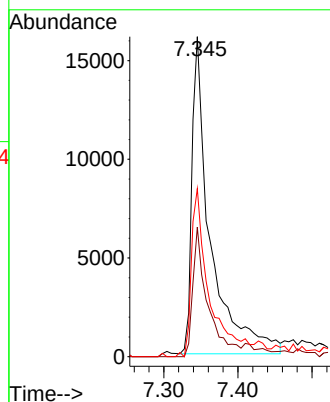
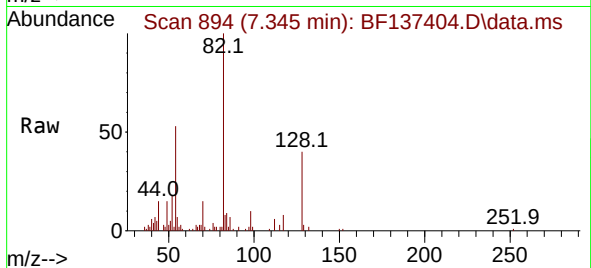
NB-07-022224DL

Tgt Ion: 82	Resp: 2773
Ion Ratio	Lower Upper
82 100	
128 40.5	30.8 46.2
54 52.5	40.8 61.2

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#31

Naphthalene

Concen: 6.281 ng

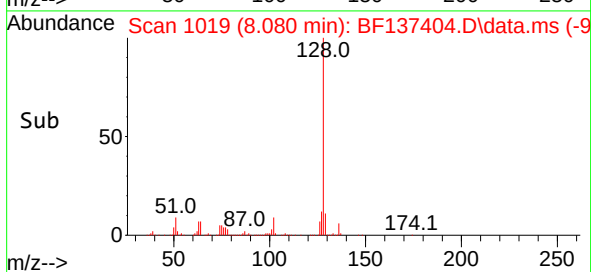
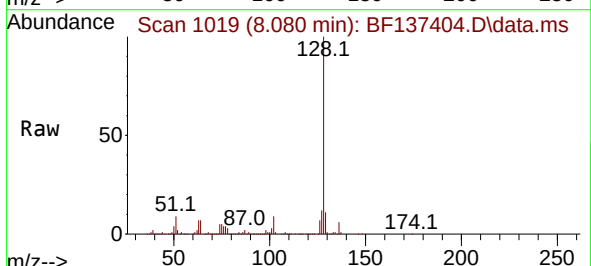
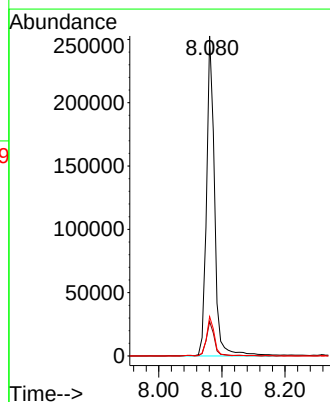
RT: 8.080 min Scan# 1019

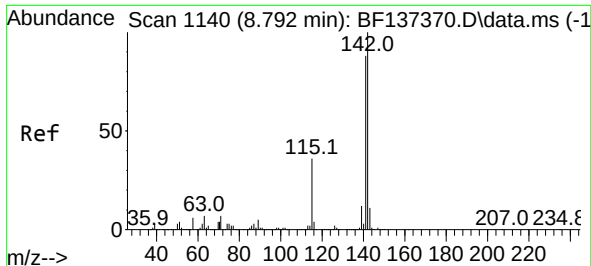
Delta R.T. -0.024 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Tgt Ion:128	Resp: 224743
Ion Ratio	Lower Upper
128 100	
129 10.8	8.6 13.0
127 12.3	10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.133 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.018 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

NB-07-022224DL

Tgt Ion:142 Resp: 7223

Ion Ratio Lower Upper

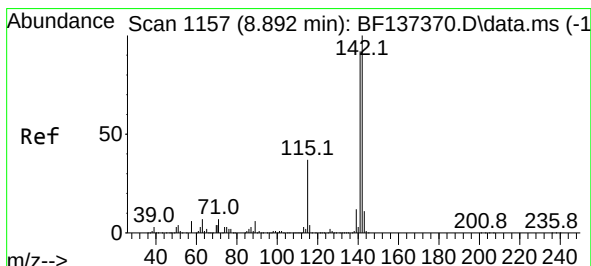
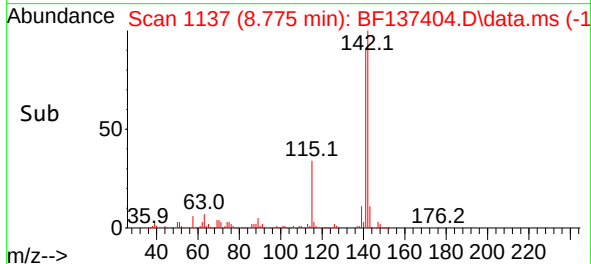
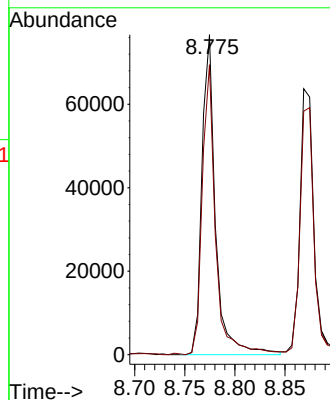
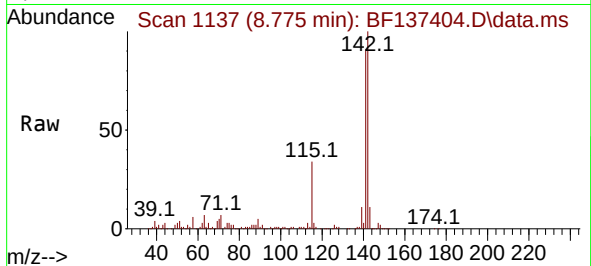
142 100

141 90.6 70.3 105.5

Manual Integrations

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Supervised By :mohammad ahmed 02/29/2024



#38

1-Methylnaphthalene

Concen: 2.891 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.024 min

Lab File: BF137404.D

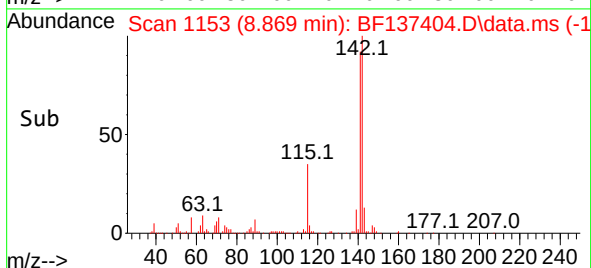
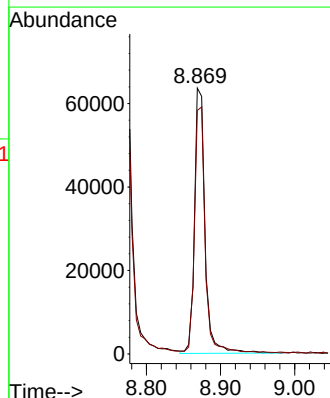
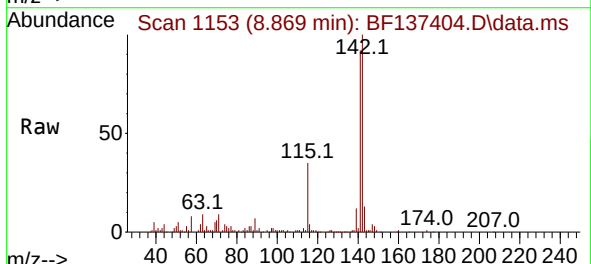
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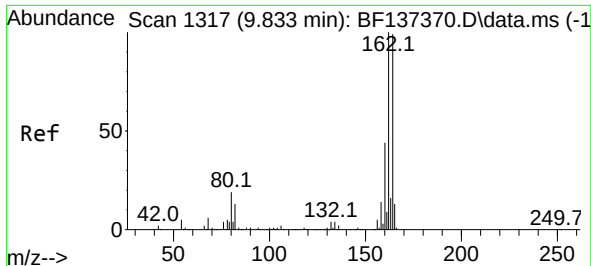
Tgt Ion:142 Resp: 63018

Ion Ratio Lower Upper

142 100

141 91.6 73.2 109.8





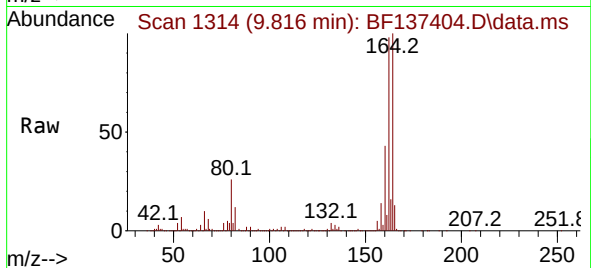
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

NB-07-022224DL

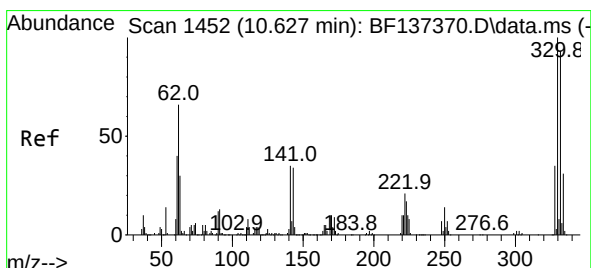
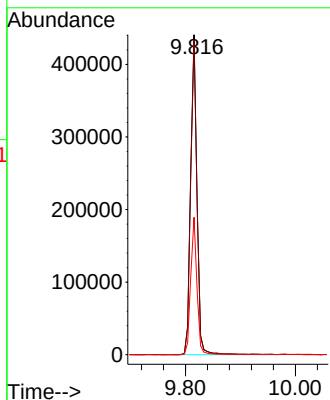
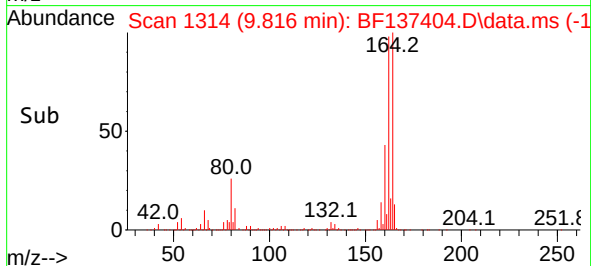


Tgt Ion:164 Resp: 350420
Ion Ratio Lower Upper
164 100
162 98.4 81.2 121.8
160 43.0 35.7 53.5

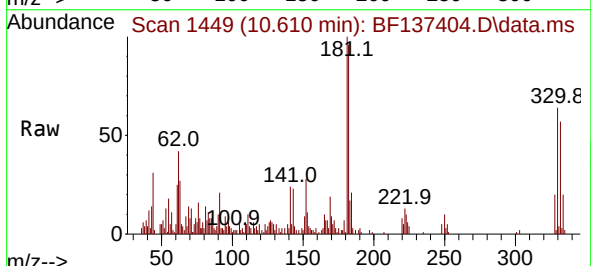
Manual Integrations

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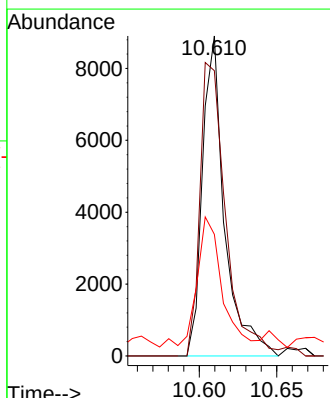
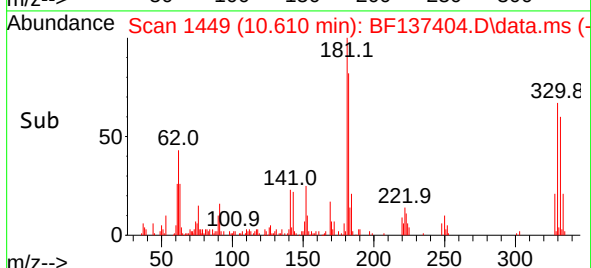
Reviewed By :Jagrut Upadhyay 02/28/2024
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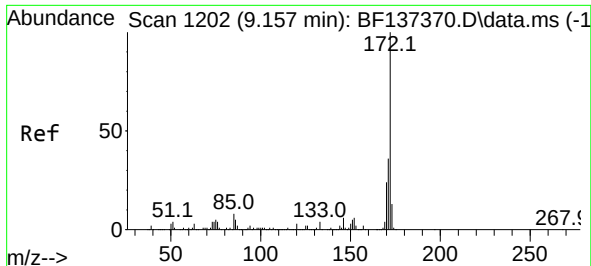


#42
2,4,6-Tribromophenol
Concen: 2.893 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47



Tgt Ion:330 Resp: 8829
Ion Ratio Lower Upper
330 100
332 109.0 75.6 113.4
141 45.4 28.6 42.8#





#45
2-Fluorobiphenyl
Concen: 3.251 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

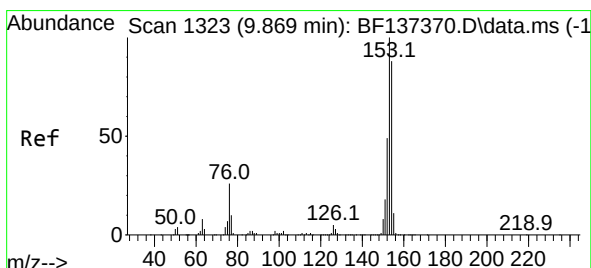
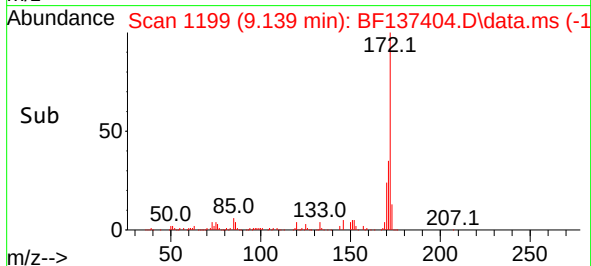
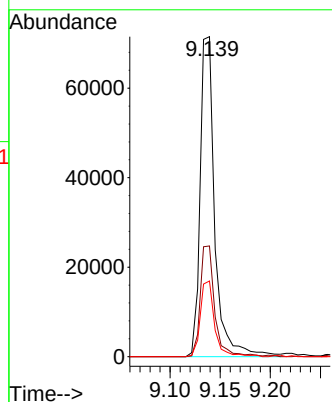
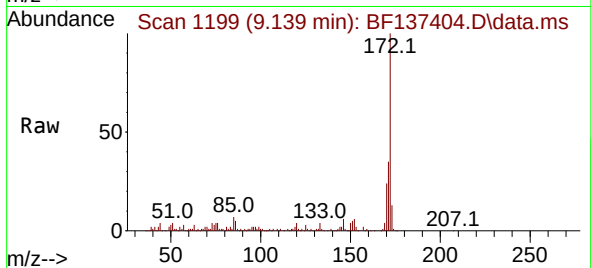
ClientSampleId :

NB-07-022224DL

Tgt Ion:172 Resp: 7318
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 23.6 19.5 29.3

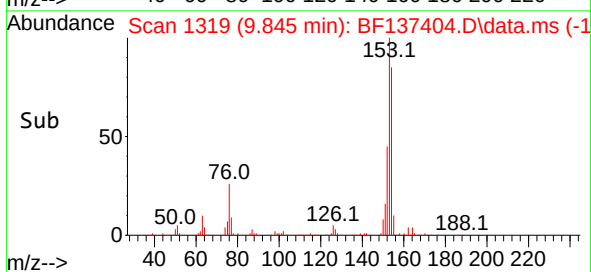
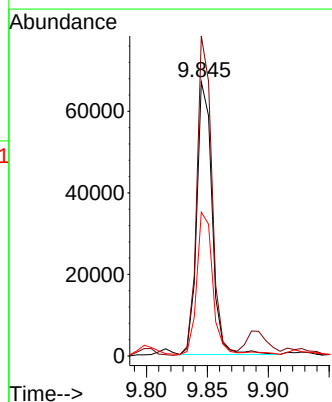
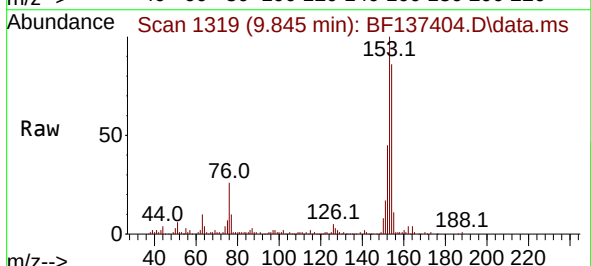
Manual Integrations
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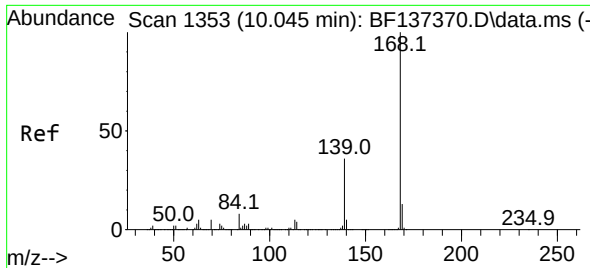
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#52
Acenaphthene
Concen: 3.121 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

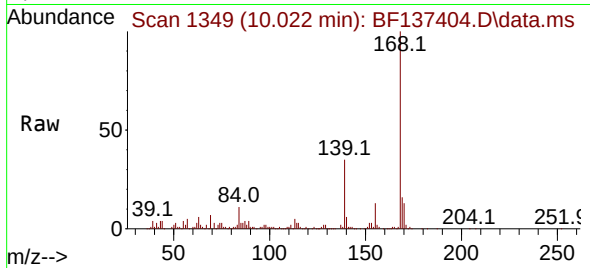
Tgt Ion:154 Resp: 58351
Ion Ratio Lower Upper
154 100
153 116.7 90.6 135.8
152 52.5 44.1 66.1





#55
Dibenzenofuran
Concen: 2.767 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

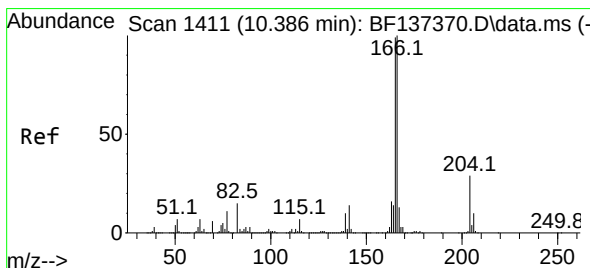
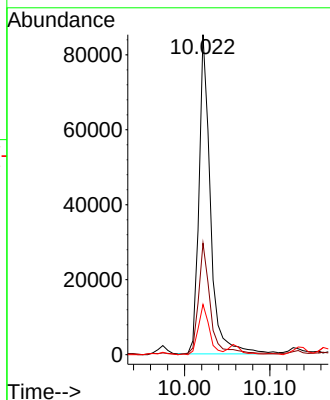
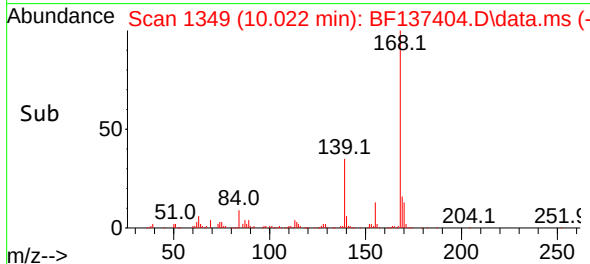
Instrument :
BNA_F
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Tgt Ion:168 Resp: 7994
Ion Ratio Lower Upper
168 100
139 34.8 28.9 43.3
169 15.7 10.8 16.2

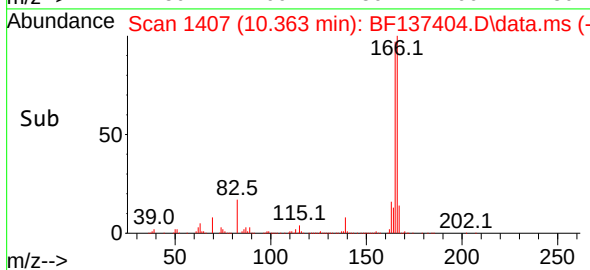
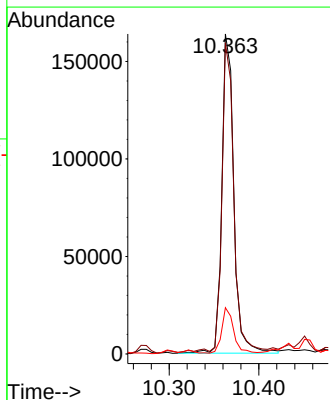
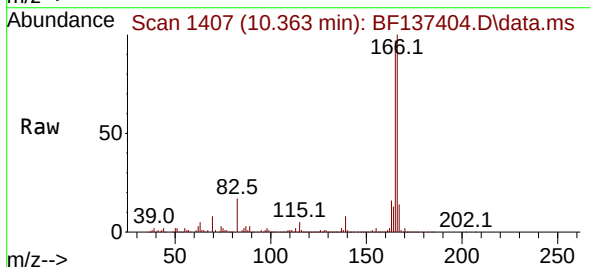
Manual Integrations
APPROVED

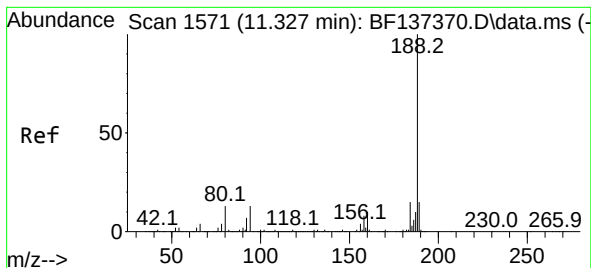
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#58
Fluorene
Concen: 6.861 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Tgt Ion:166 Resp: 151393
Ion Ratio Lower Upper
166 100
165 97.3 78.8 118.2
167 14.5 10.5 15.7





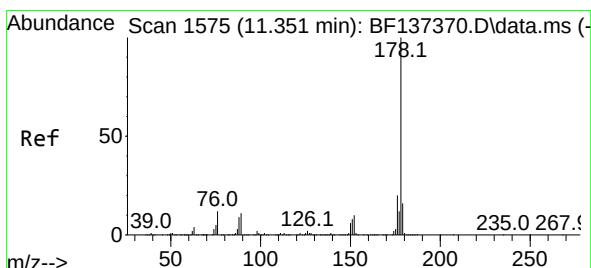
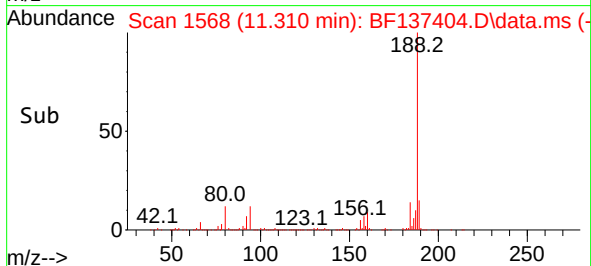
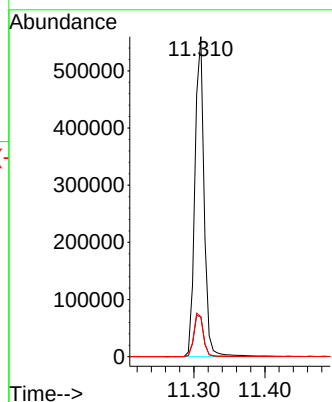
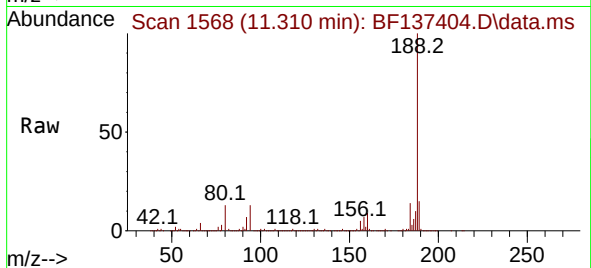
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :
BNA_F
ClientSampleId :
NB-07-022224DL

Tgt Ion:188 Resp: 50755
Ion Ratio Lower Upper
188 100
94 12.5 10.2 15.2
80 12.5 10.7 16.1

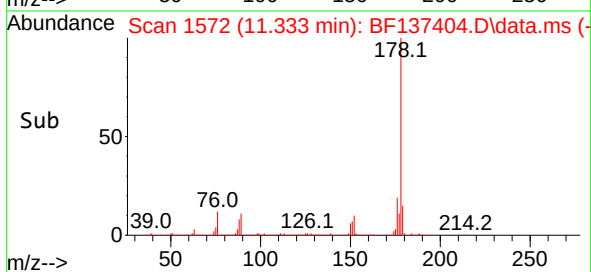
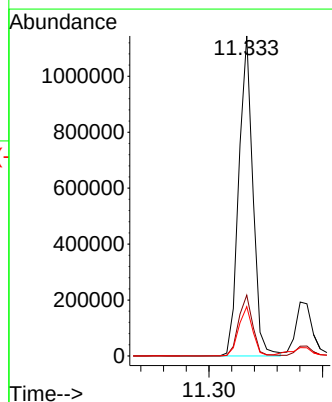
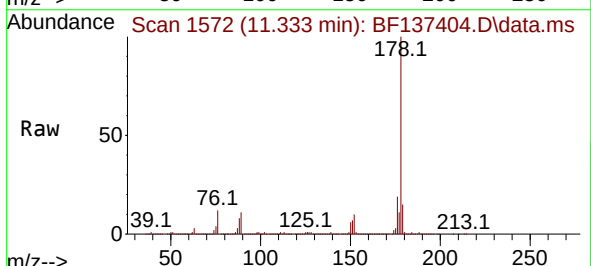
Manual Integrations
APPROVED

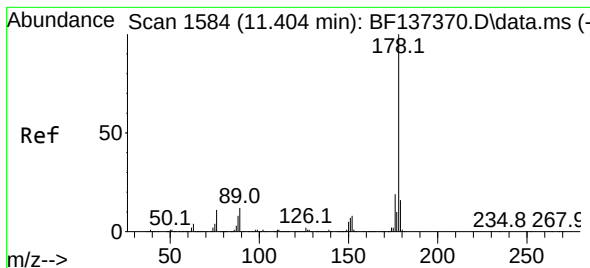
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#71
Phenanthrene
Concen: 34.943 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Tgt Ion:178 Resp: 978503
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.4 12.7 19.1





#72

Anthracene

Concen: 7.130 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

NB-07-022224DL

Tgt Ion:178 Resp: 205759

Ion Ratio Lower Upper

178 100

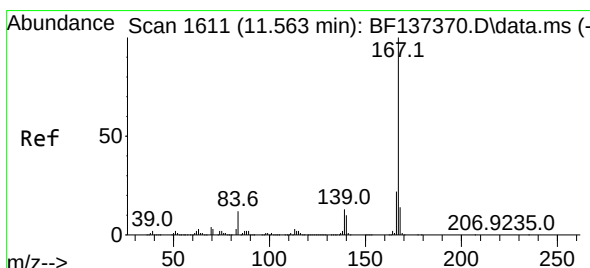
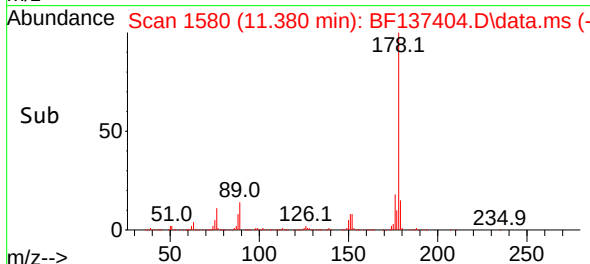
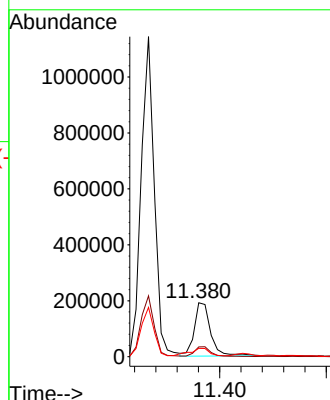
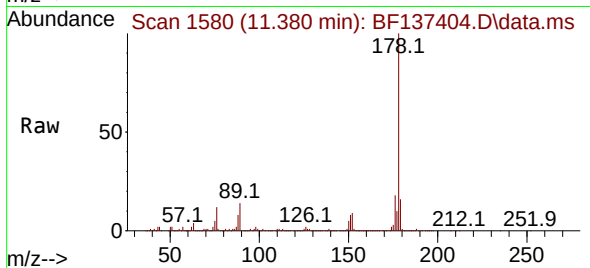
176 18.1 15.3 22.9

179 15.6 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#73

Carbazole

Concen: 3.159 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.018 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

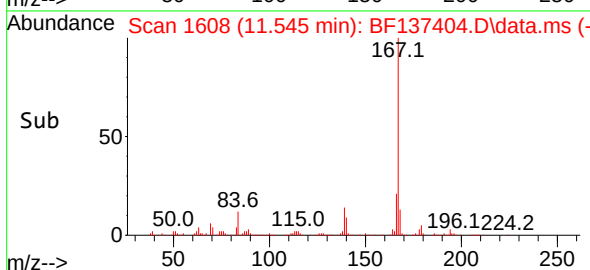
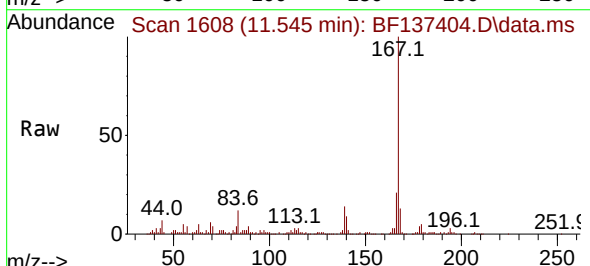
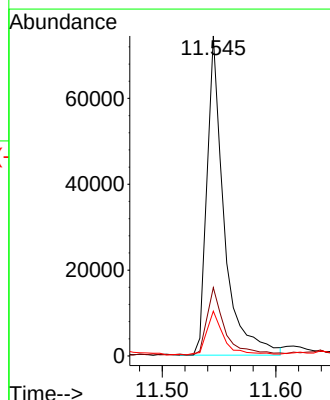
Tgt Ion:167 Resp: 77893

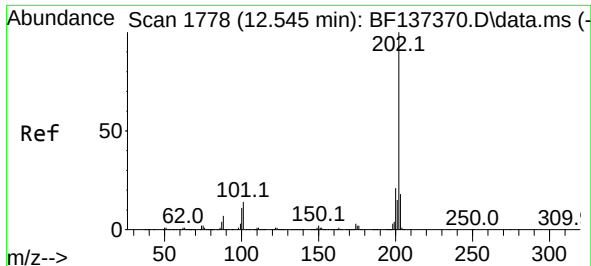
Ion Ratio Lower Upper

167 100

166 21.4 17.8 26.6

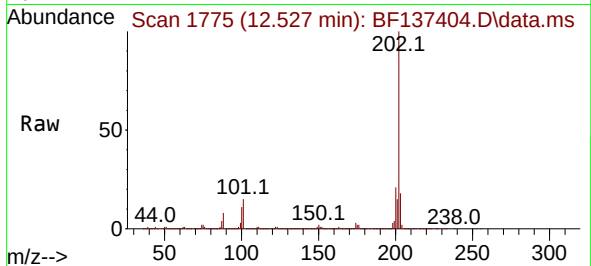
139 14.0 10.0 15.0





#75
Fluoranthene
Concen: 30.650 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

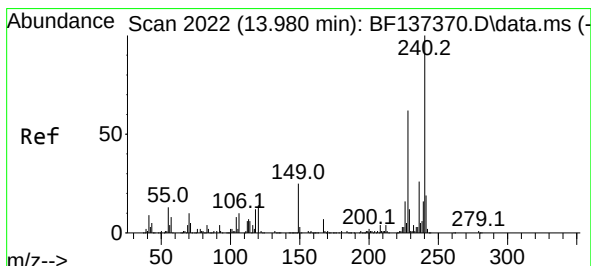
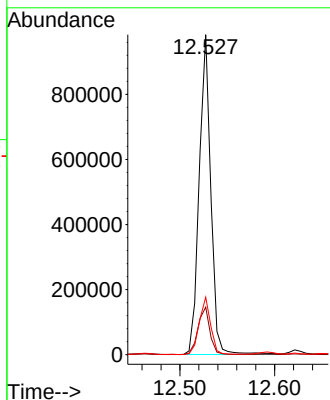
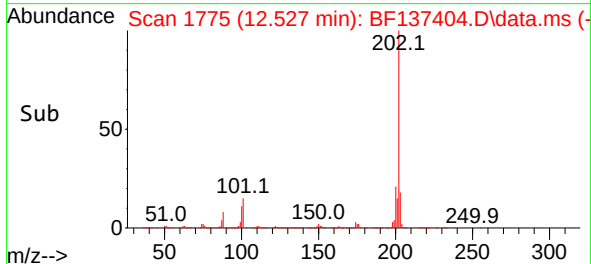
Instrument :
BNA_F
ClientSampleId :
NB-07-022224DL



Tgt Ion:202 Resp: 837800
Ion Ratio Lower Upper
202 100
101 14.9 0.0 33.9
203 17.9 0.0 37.8

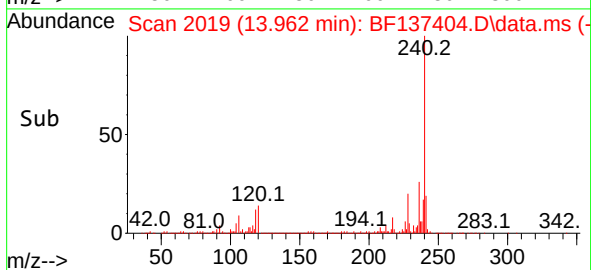
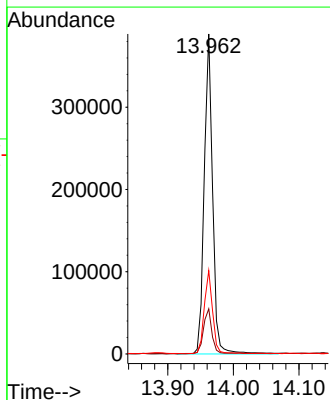
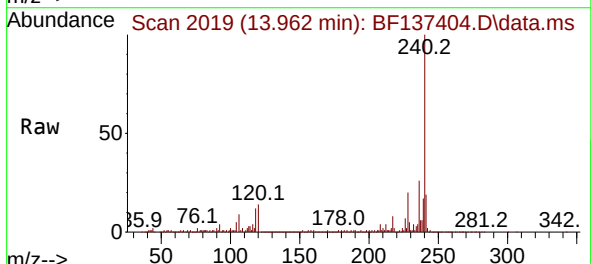
Manual Integrations
APPROVED

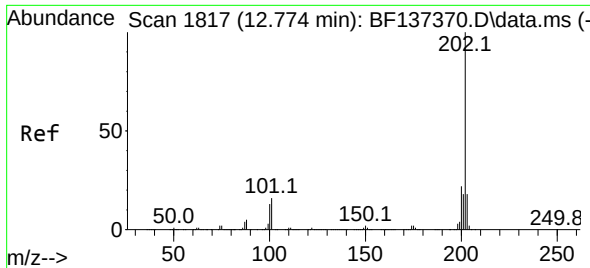
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

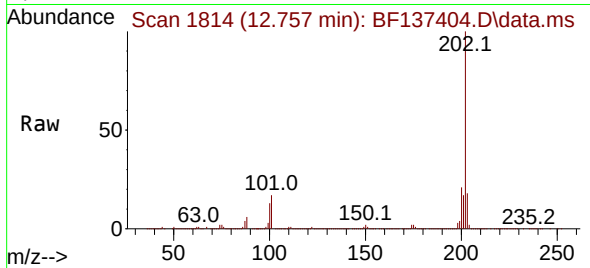
Tgt Ion:240 Resp: 348402
Ion Ratio Lower Upper
240 100
120 14.1 11.3 16.9
236 26.1 20.5 30.7





#78
Pyrene
Concen: 21.882 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

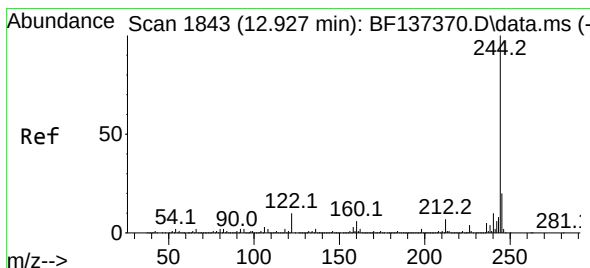
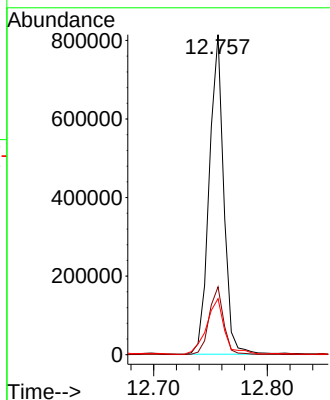
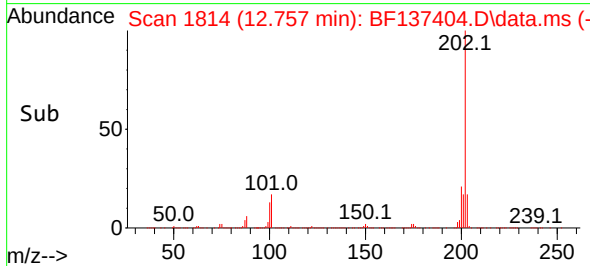
Instrument :
BNA_F
ClientSampleId :
NB-07-022224DL



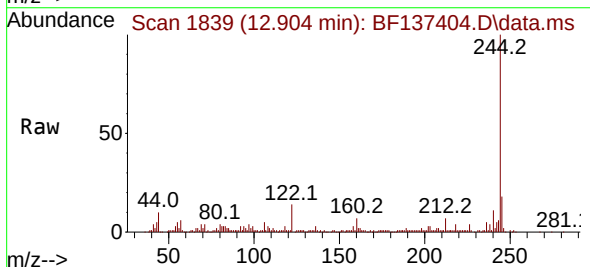
Tgt Ion:202 Resp: 72089
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.2 21.2

Manual Integrations
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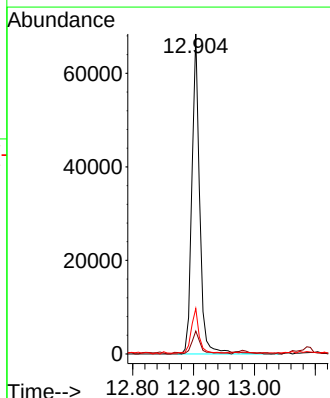
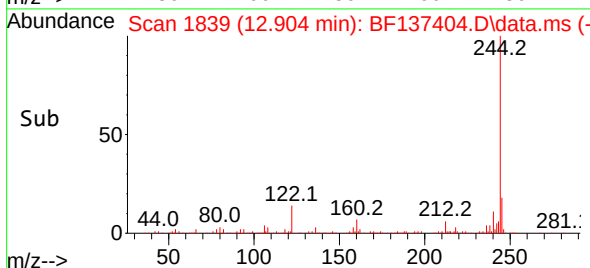
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024

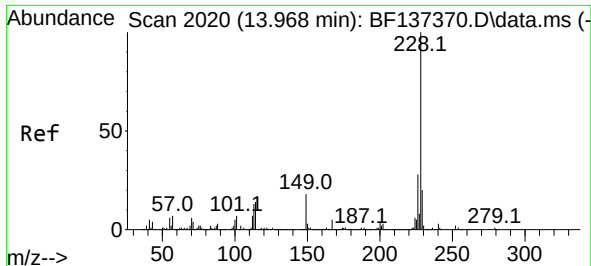


#79
Terphenyl-d14
Concen: 2.457 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47



Tgt Ion:244 Resp: 61210
Ion Ratio Lower Upper
244 100
212 7.2 5.3 7.9
122 14.2 8.2 12.4





#81
Benzo(a)anthracene
Concen: 13.441 ng
RT: 13.951 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

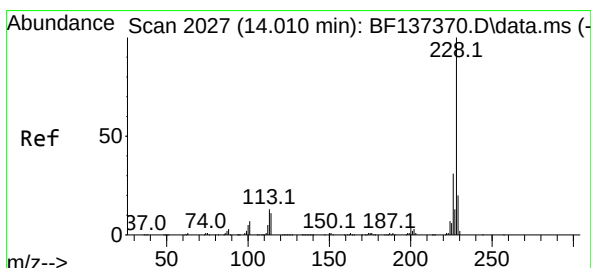
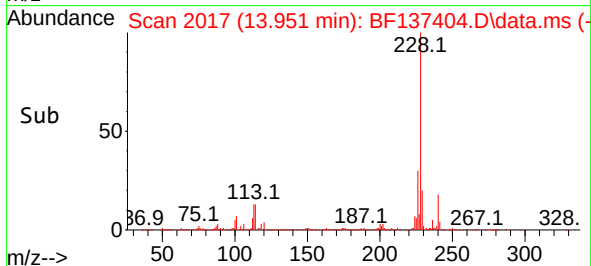
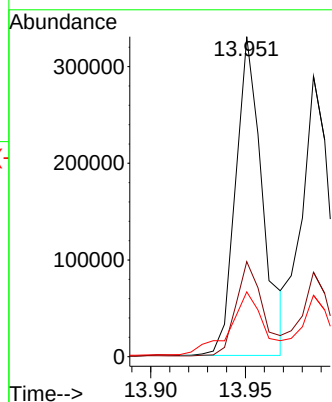
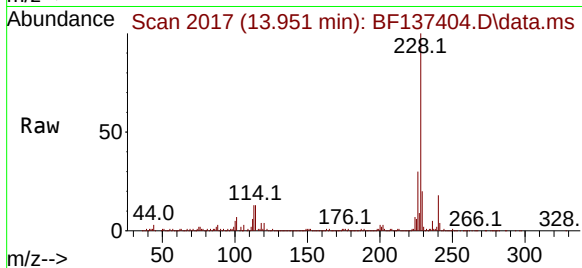
NB-07-022224DL

Tgt Ion:228 Resp: 324945
Ion Ratio Lower Upper
228 100
226 29.7 22.1 33.1
229 20.2 15.7 23.5

Manual Integrations

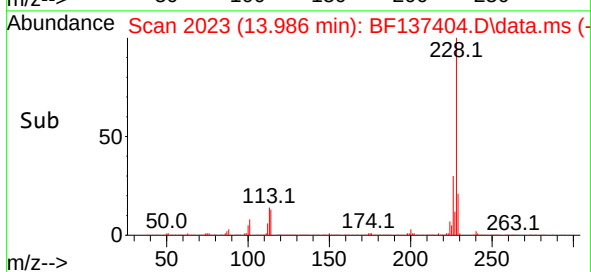
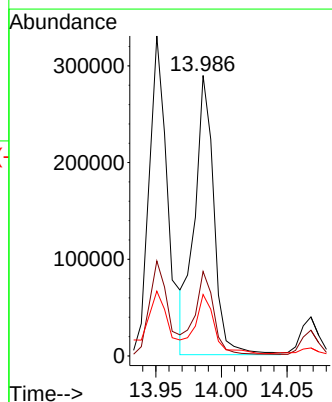
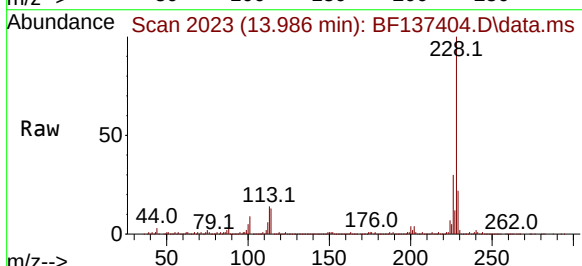
APPROVED

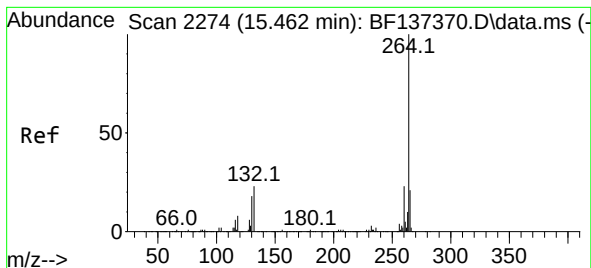
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#83
Chrysene
Concen: 12.003 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Tgt Ion:228 Resp: 296446
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

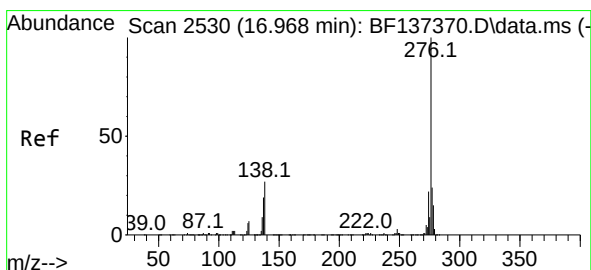
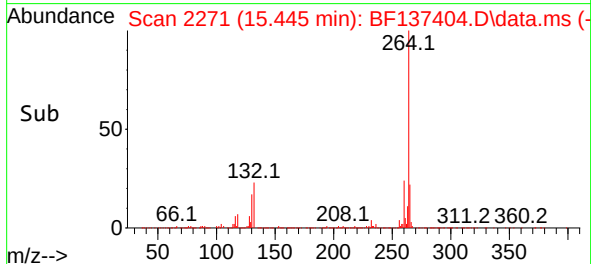
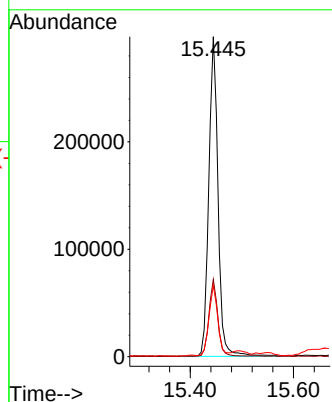
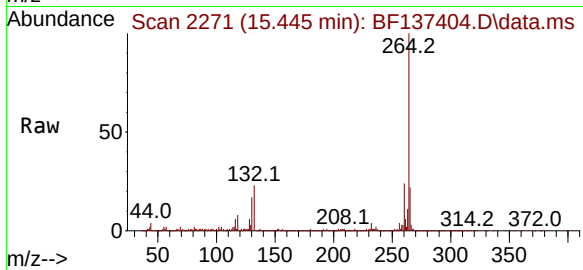
NB-07-022224DL

Tgt Ion:264 Resp: 36985
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.5 27.7
 265 22.3 16.9 25.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.254 ng

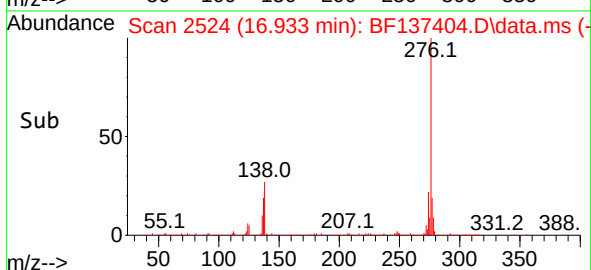
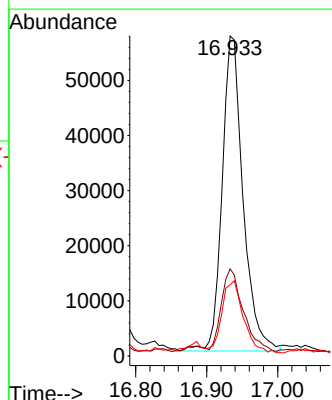
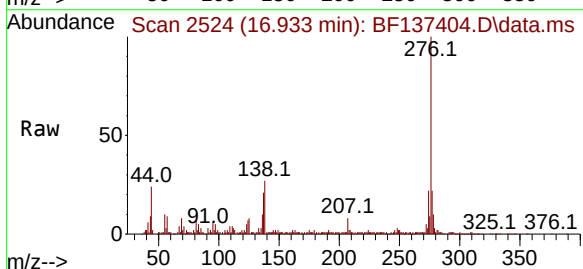
RT: 16.933 min Scan# 2524

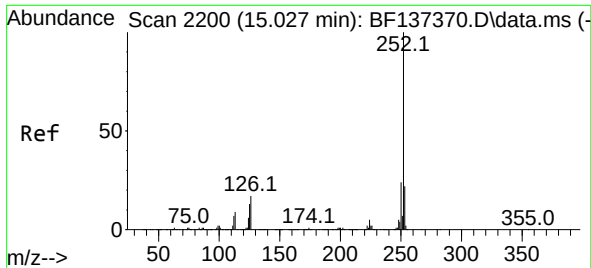
Delta R.T. -0.035 min

Lab File: BF137404.D

Acq: 27 Feb 2024 14:47

Tgt Ion:276 Resp: 116813
 Ion Ratio Lower Upper
 276 100
 138 27.5 25.8 38.8
 277 23.7 19.6 29.4





#88
Benzo(b)fluoranthene
Concen: 16.546 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

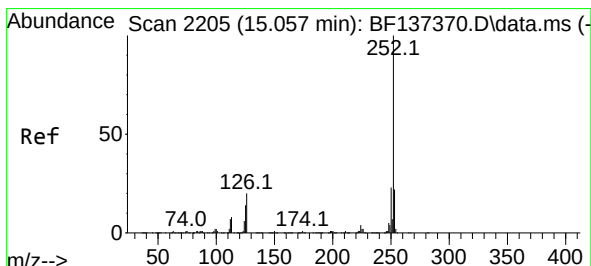
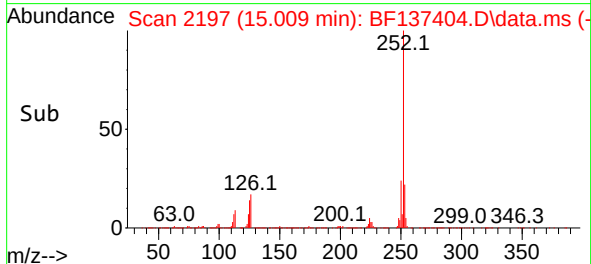
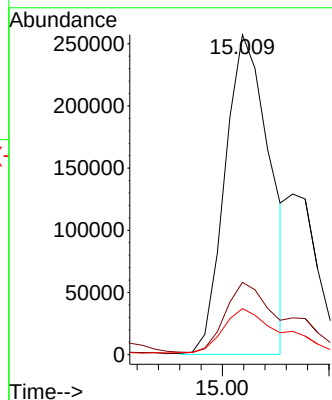
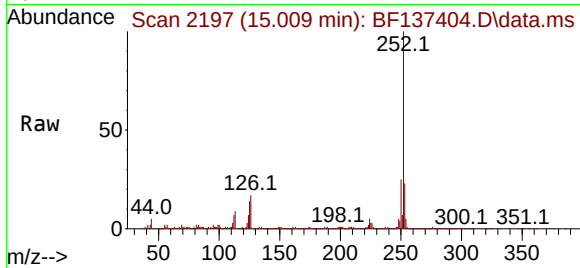
NB-07-022224DL

Tgt Ion:252 Resp: 37541
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 14.4 10.2 15.2

Manual Integrations

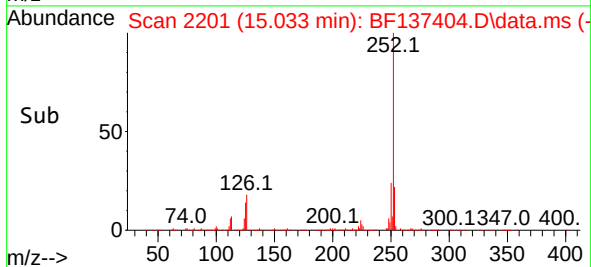
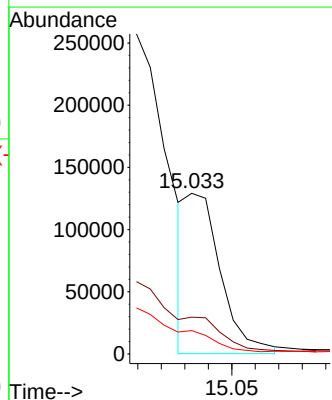
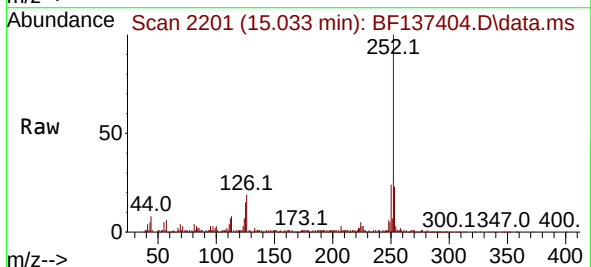
APPROVED

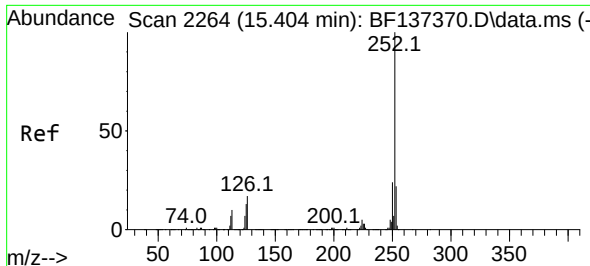
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#89
Benzo(k)fluoranthene
Concen: 5.563 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Tgt Ion:252 Resp: 132278
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 14.6 10.7 16.1





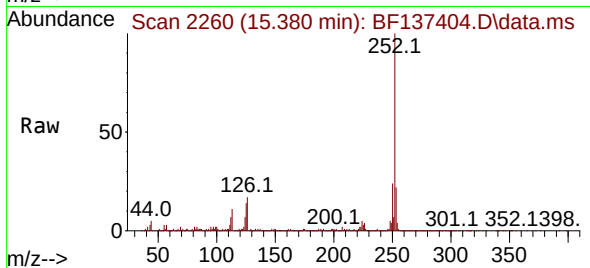
#90
Benzo(a)pyrene
Concen: 13.156 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

NB-07-022224DL

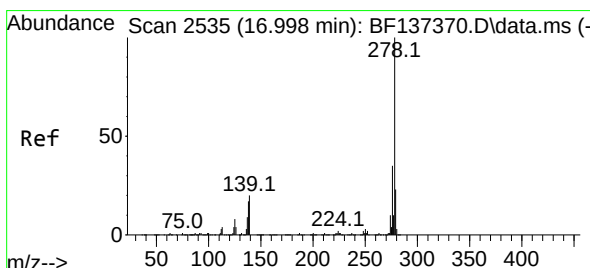
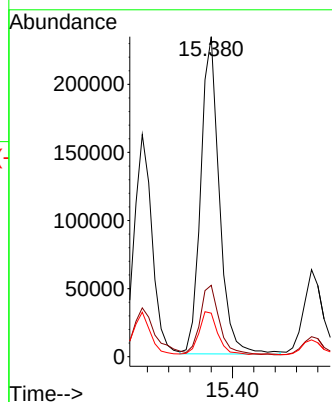
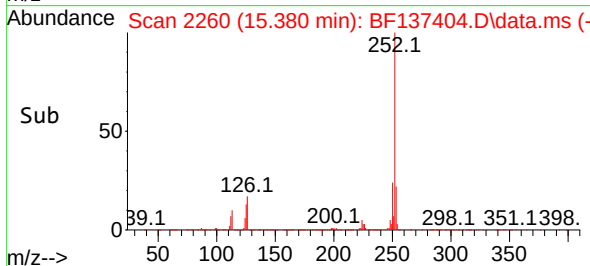


Tgt Ion:252 Resp: 283124
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 13.6 10.6 16.0

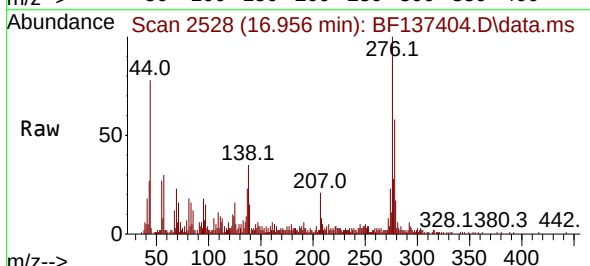
Manual Integrations

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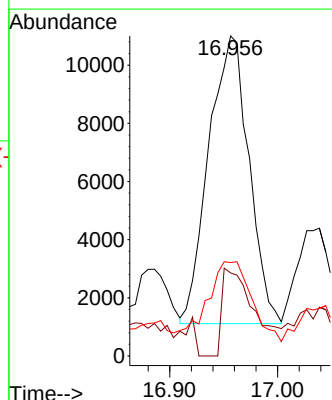
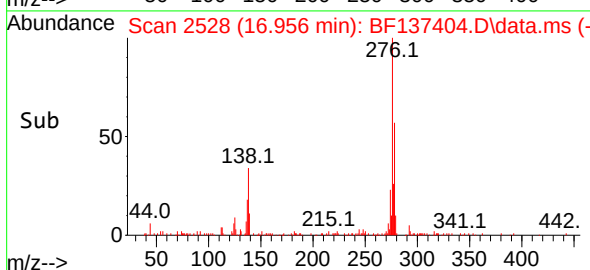
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024

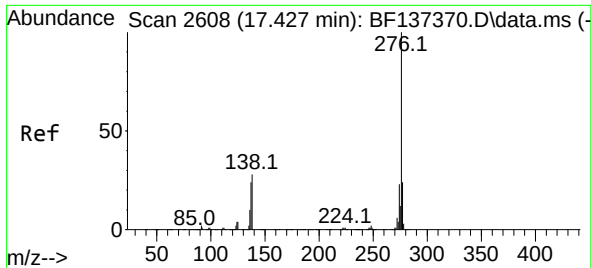


#91
Dibenzo(a,h)anthracene
Concen: 2.708 ng m
RT: 16.956 min Scan# 2528
Delta R.T. -0.042 min
Lab File: BF137404.D
Acq: 27 Feb 2024 14:47



Tgt Ion:278 Resp: 25592
Ion Ratio Lower Upper
278 100
139 26.0 16.2 24.4#
279 29.2 18.5 27.7#





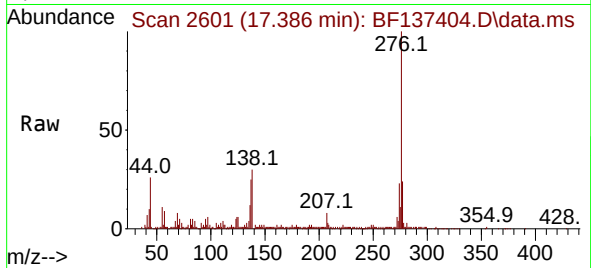
#92
 Benzo(g,h,i)perylene
 Concen: 6.885 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF137404.D
 Acq: 27 Feb 2024 14:47

Instrument :

BNA_F

ClientSampleId :

NB-07-022224DL



Tgt Ion:276 Resp: 10918
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.4
 138 29.7 22.6 33.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024

