

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137672.D
 Acq On : 21 Mar 2024 20:55
 Operator : CG\JU
 Sample : P1816-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-032024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/22/2024
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 01:44:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	140599	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	505935	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	242241	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	405813	20.000	ng	0.00
76) Chrysene-d12	13.880	240	327248	20.000	ng	0.00
86) Perylene-d12	15.304	264	248280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	107720	11.604	ng	0.00
7) Phenol-d6	6.363	99	144617	10.792	ng	0.00
23) Nitrobenzene-d5	7.292	82	73766	6.775	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	23982	11.273	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	158066	10.214	ng	0.00
79) Terphenyl-d14	12.827	244	179254	7.532	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.304	166	33820	2.239	ng	95
71) Phenanthrene	11.263	178	228160	10.331	ng	99
72) Anthracene	11.322	178	59720	2.633	ng	98
75) Fluoranthene	12.451	202	294667	13.650	ng	97
78) Pyrene	12.680	202	287226	8.945	ng	99
81) Benzo(a)anthracene	13.868	228	123070	5.366	ng	94
83) Chrysene	13.904	228	107831	4.652	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	33818	2.070	ng	95
88) Benzo(b)fluoranthene	14.898	252	96952m	6.601	ng	
89) Benzo(k)fluoranthene	14.921	252	31803m	2.016	ng	
90) Benzo(a)pyrene	15.245	252	70048	4.840	ng	# 91
92) Benzo(g,h,i)perylene	17.115	276	35833	2.633	ng	93

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

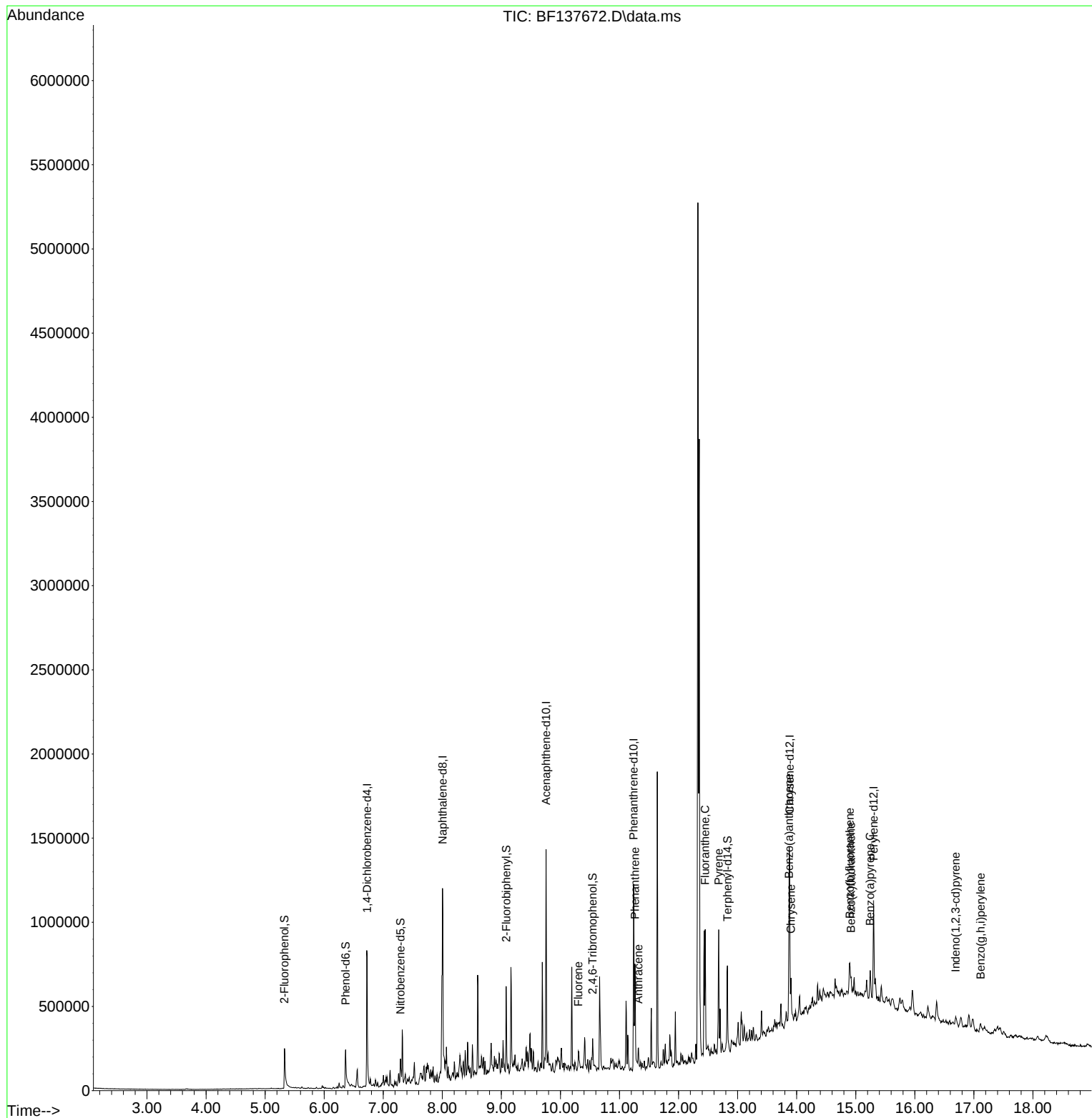
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
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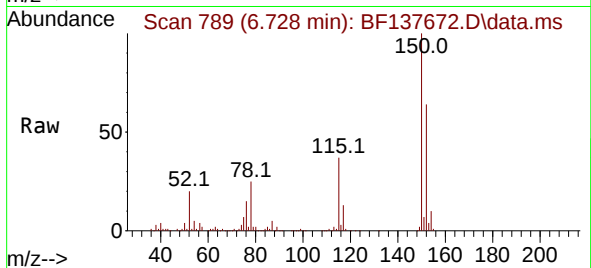
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

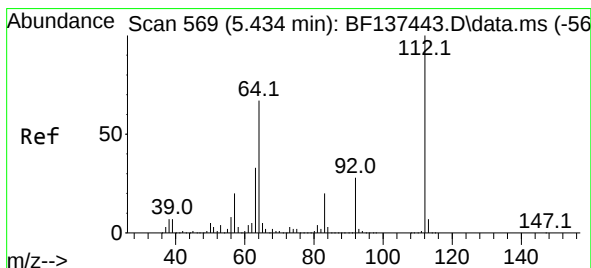
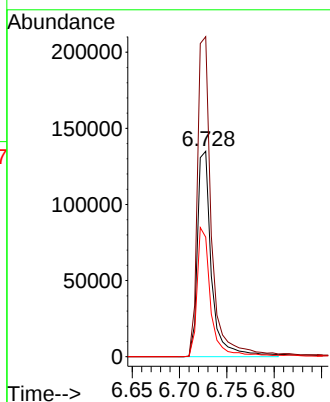
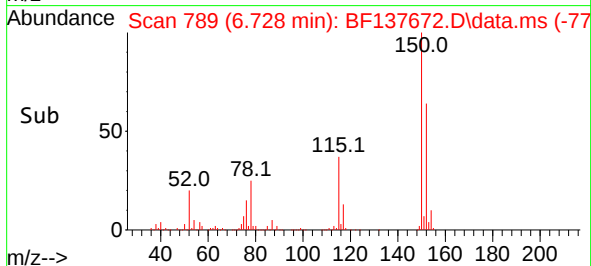


Tgt Ion:152 Resp: 140599
Ion Ratio Lower Upper
152 100
150 155.8 125.8 188.6
115 58.2 48.8 73.2

Manual Integrations

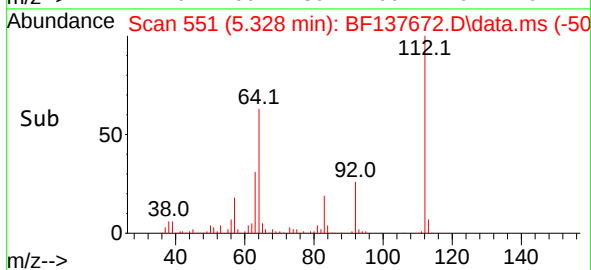
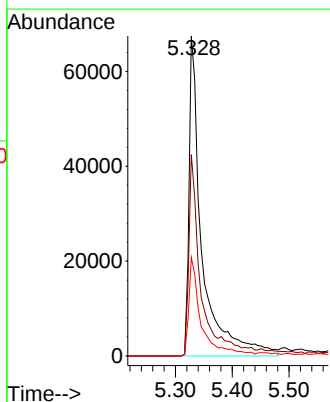
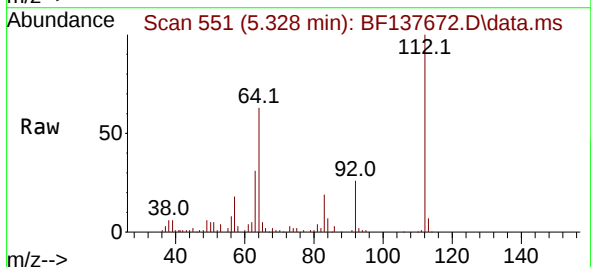
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Supervised By :mohammad ahmed 03/26/2024



#5
2-Fluorophenol
Concen: 11.604 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

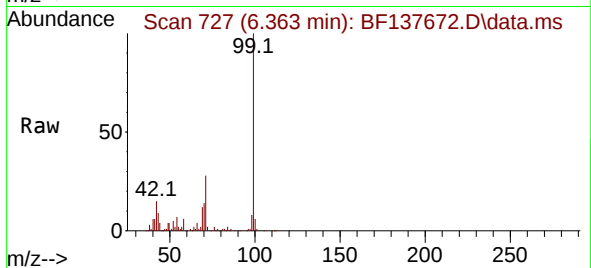
Tgt Ion:112 Resp: 107720
Ion Ratio Lower Upper
112 100
64 62.9 53.4 80.2
63 30.8 26.2 39.2





#7
Phenol-d6
Concen: 10.792 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

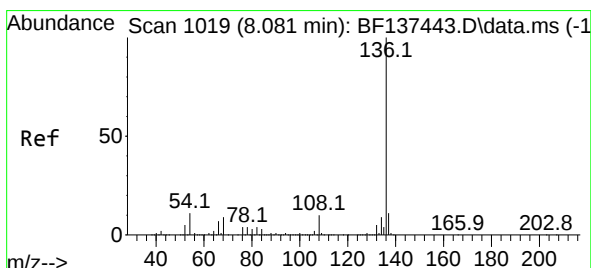
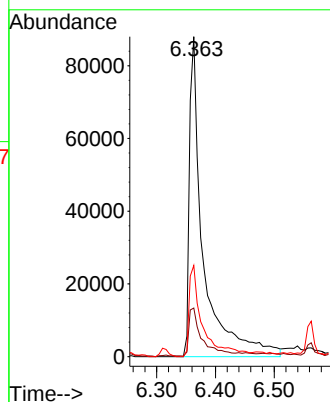
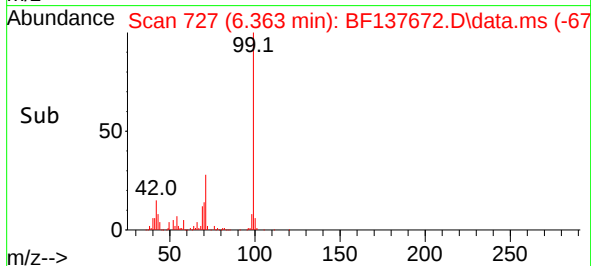
Instrument :
BNA_F
ClientSampleId :
PL-01-032024



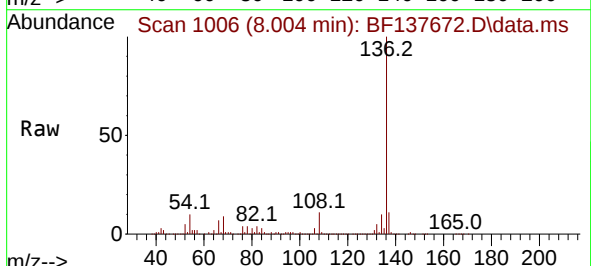
Tgt Ion: 99 Resp: 14461
Ion Ratio Lower Upper
99 100
42 15.2 14.6 21.8
71 28.5 25.3 37.9

Manual Integrations
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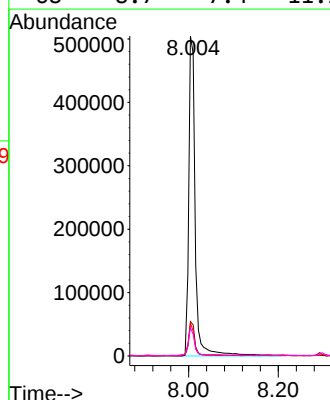
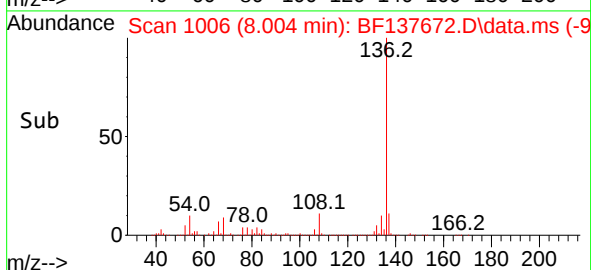
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55



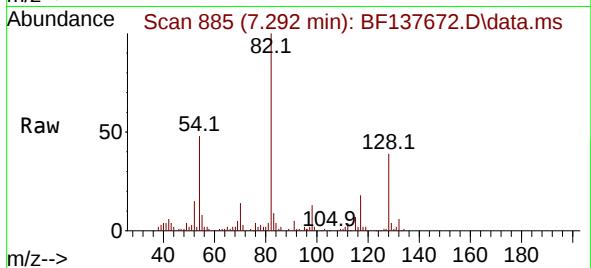
Tgt Ion:136 Resp: 505935
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 10.3 8.5 12.7
68 8.7 7.4 11.2





#23
Nitrobenzene-d5
Concen: 6.775 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

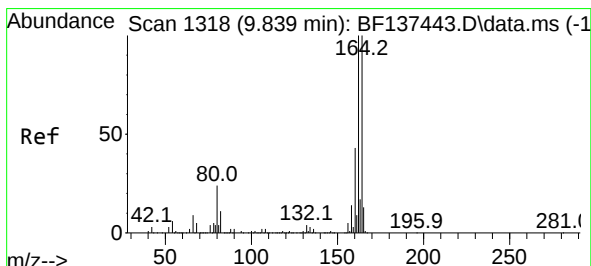
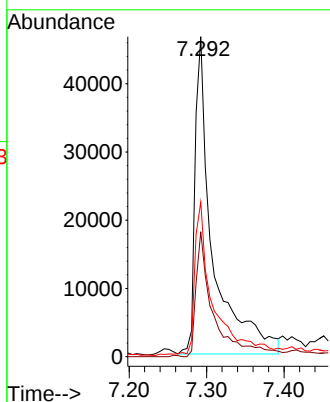
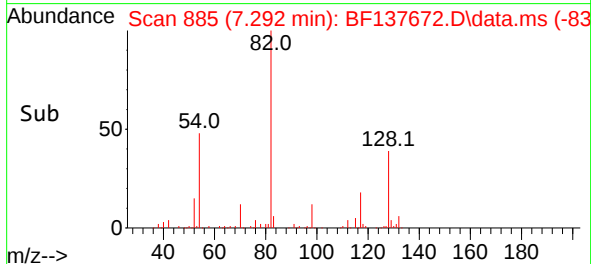
Instrument :
BNA_F
ClientSampleId :
PL-01-032024



Tgt Ion: 82 Resp: 73760
Ion Ratio Lower Upper
82 100
128 39.1 32.5 48.7
54 48.3 41.5 62.3

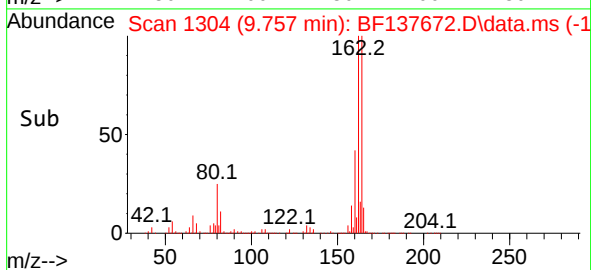
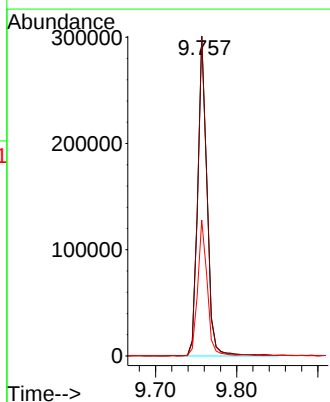
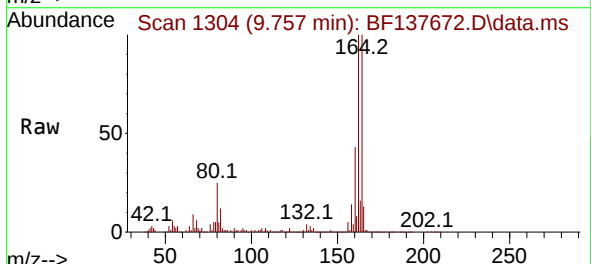
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Supervised By :mohammad ahmed 03/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:164 Resp: 242241
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 42.6 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 11.273 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

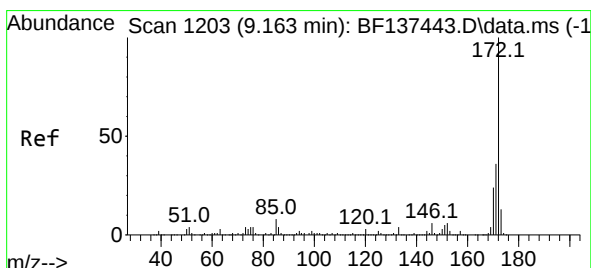
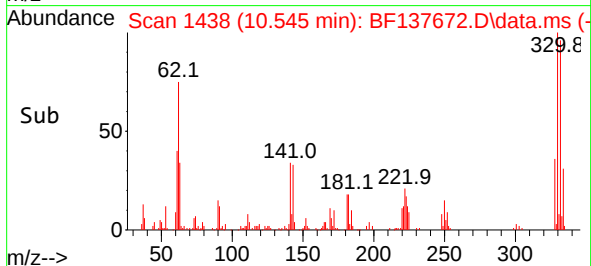
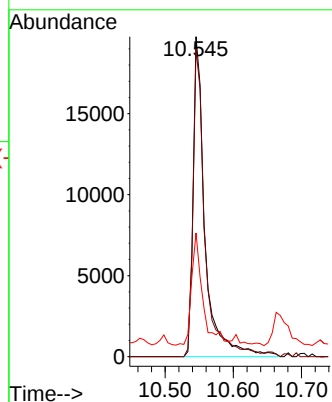
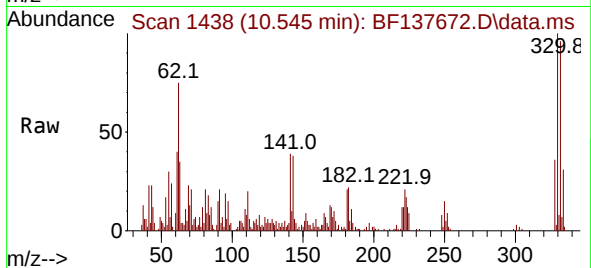
PL-01-032024

Tgt Ion:330 Resp: 2398
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 32.4 27.3 40.9

Manual Integrations

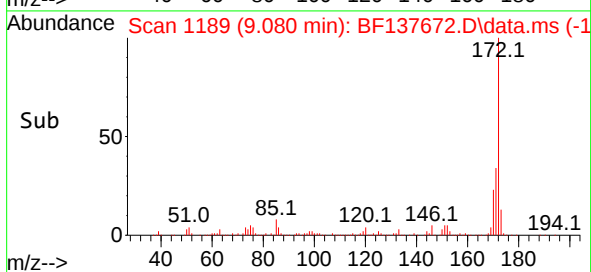
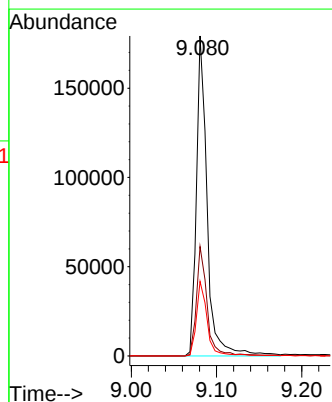
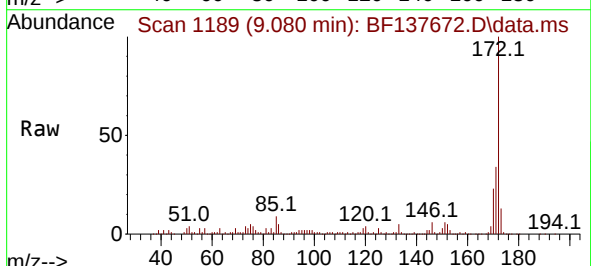
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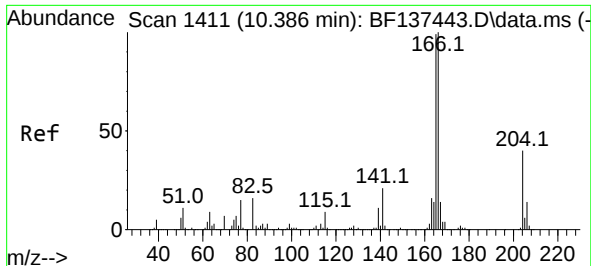
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 10.214 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:172 Resp: 158066
Ion Ratio Lower Upper
172 100
171 34.2 28.5 42.7
170 23.3 19.0 28.6





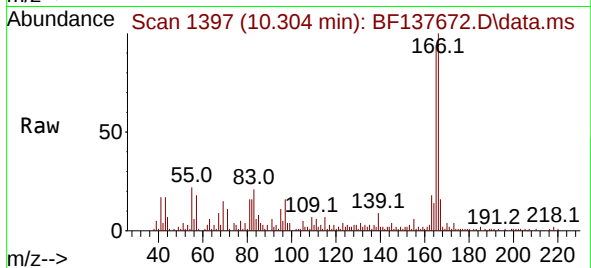
#58
Fluorene
Concen: 2.239 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

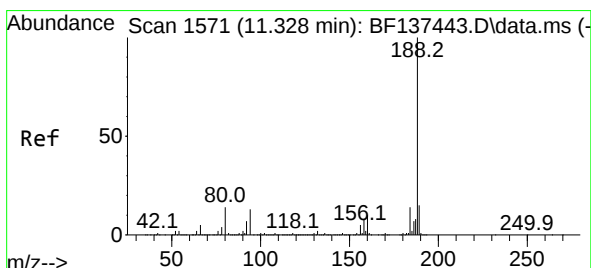
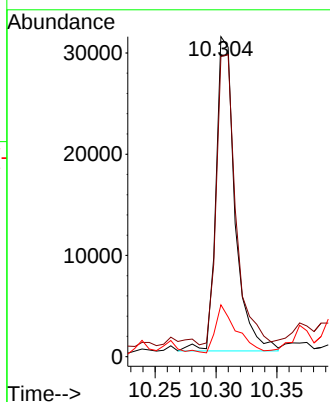
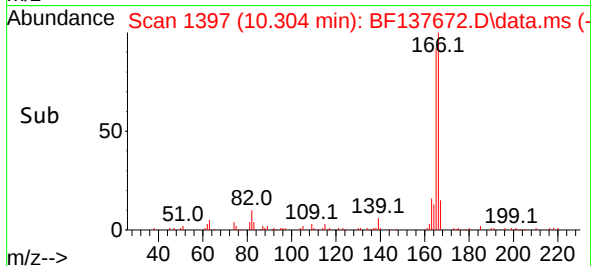


Tgt Ion:166 Resp: 33820
Ion Ratio Lower Upper
166 100
165 93.8 79.2 118.8
167 16.2 11.0 16.6

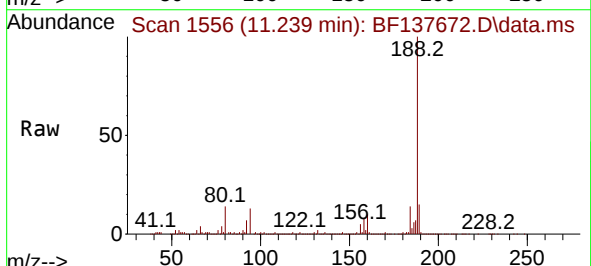
Manual Integrations

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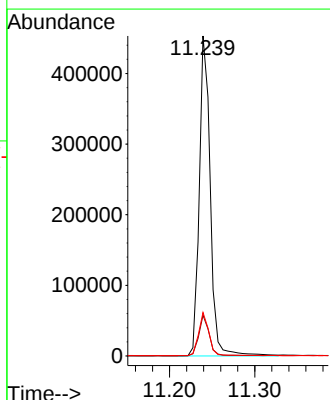
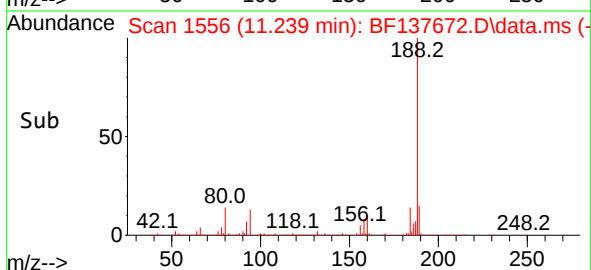
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024

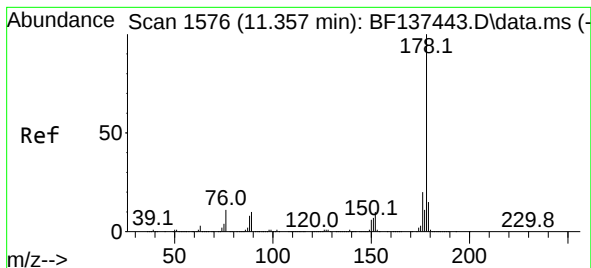


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55



Tgt Ion:188 Resp: 405813
Ion Ratio Lower Upper
188 100
94 12.7 10.6 15.8
80 13.6 11.5 17.3





#71

Phenanthrene

Concen: 10.331 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

Tgt Ion:178 Resp: 228160

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

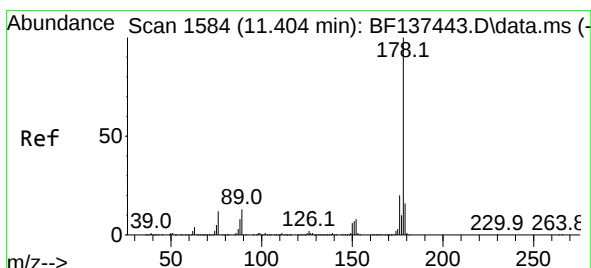
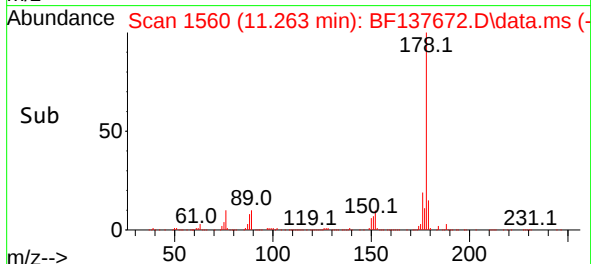
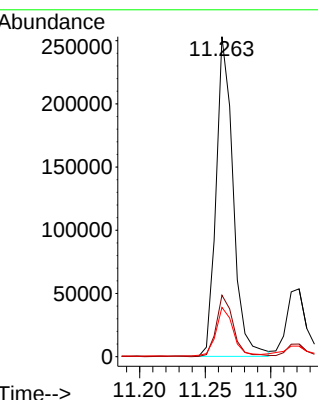
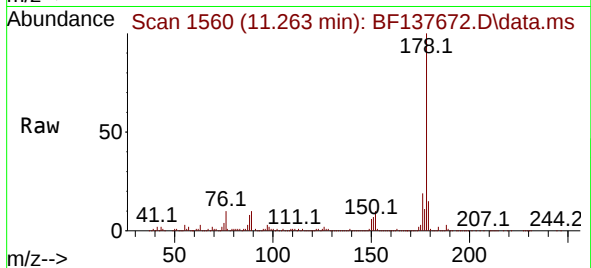
179 15.4 12.2 18.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/22/2024

Supervised By :mohammad ahmed 03/26/2024



#72

Anthracene

Concen: 2.633 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

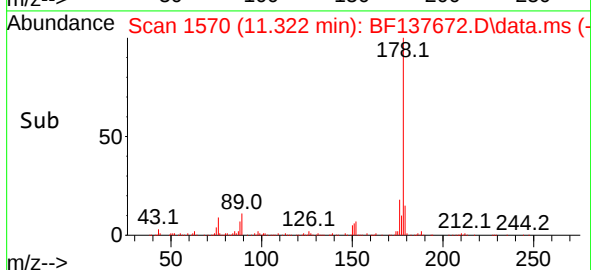
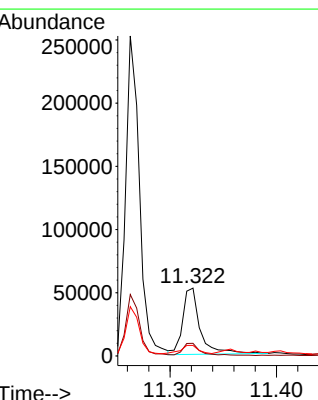
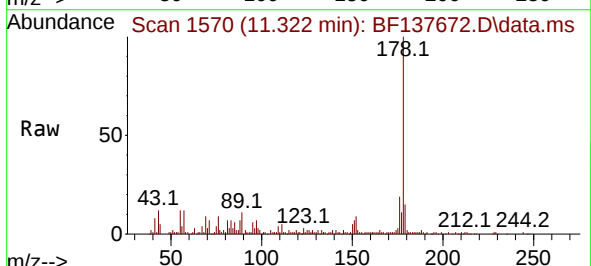
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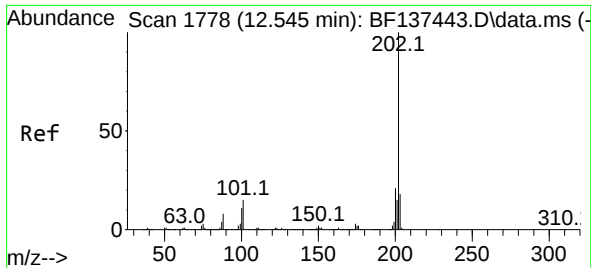
Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

179 15.5 12.7 19.1





#75
Fluoranthene
Concen: 13.650 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

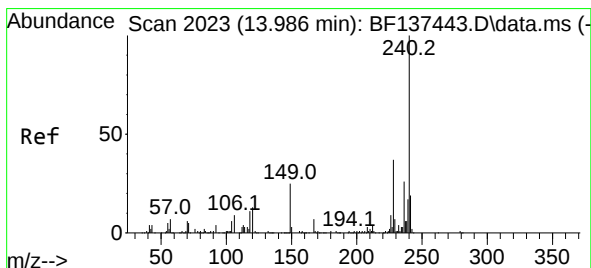
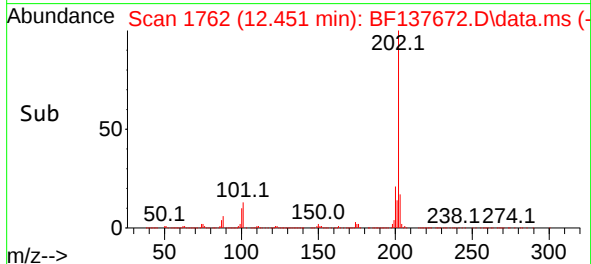
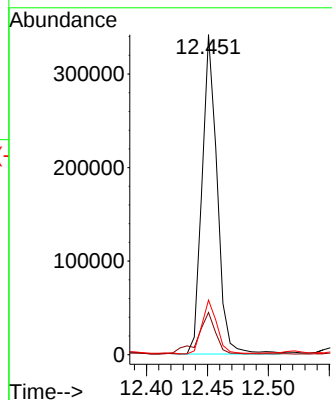
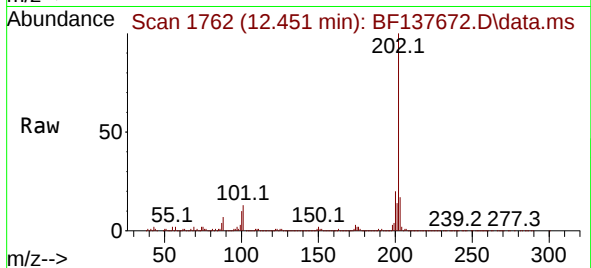
PL-01-032024

Tgt Ion:202 Resp: 29466
Ion Ratio Lower Upper
202 100
101 13.2 0.0 35.0
203 17.1 0.0 37.7

Manual Integrations

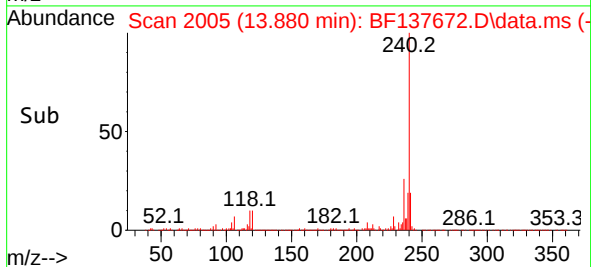
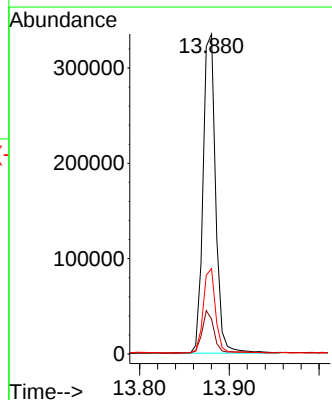
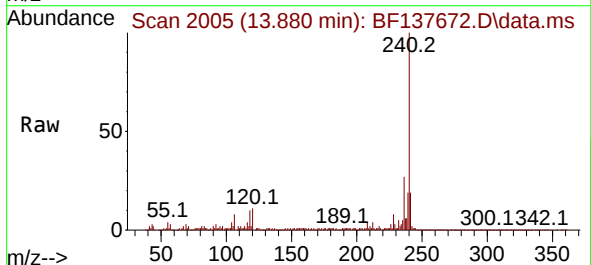
APPROVED

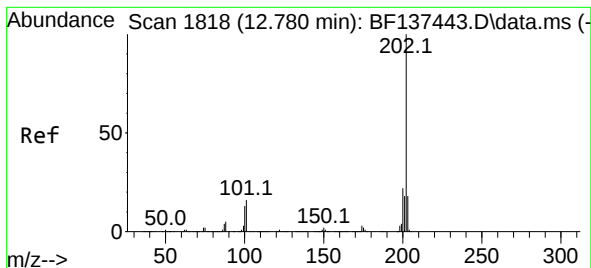
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:240 Resp: 327248
Ion Ratio Lower Upper
240 100
120 10.9 10.4 15.6
236 26.7 20.9 31.3





#78

Pyrene

Concen: 8.945 ng

RT: 12.680 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

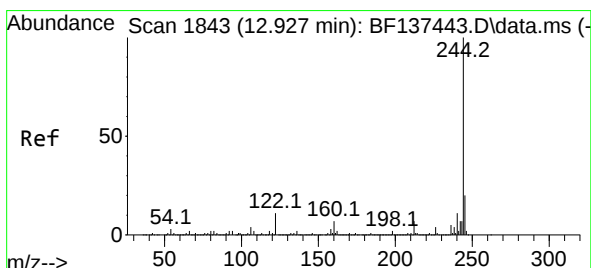
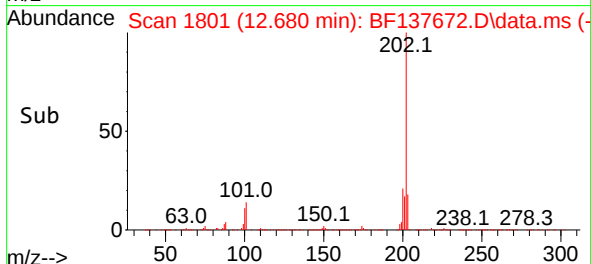
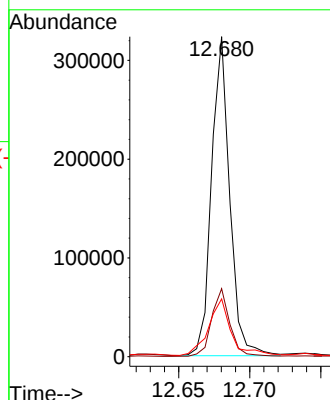
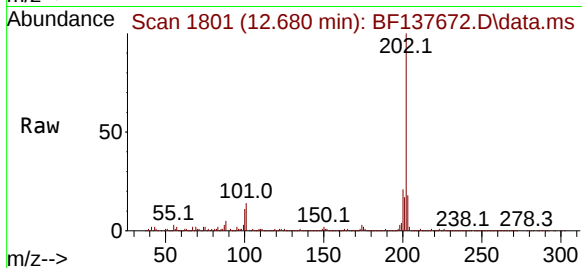
PL-01-032024

Tgt Ion:202 Resp: 287220
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 18.1 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/22/2024
 Supervised By :mohammad ahmed 03/26/2024



#79

Terphenyl-d14

Concen: 7.532 ng

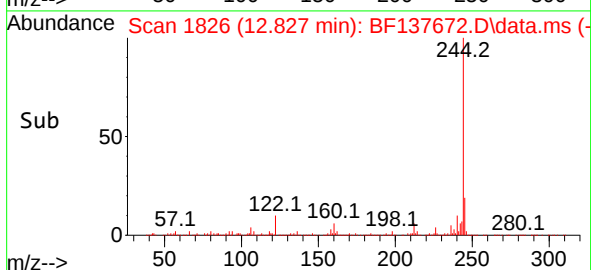
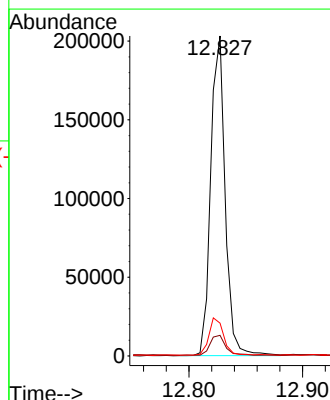
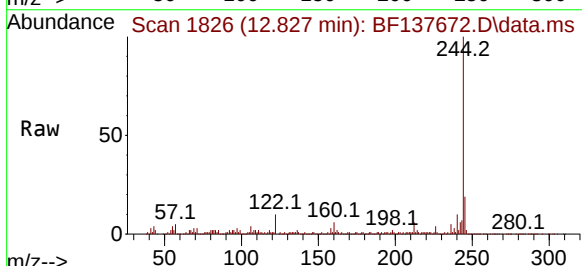
RT: 12.827 min Scan# 1826

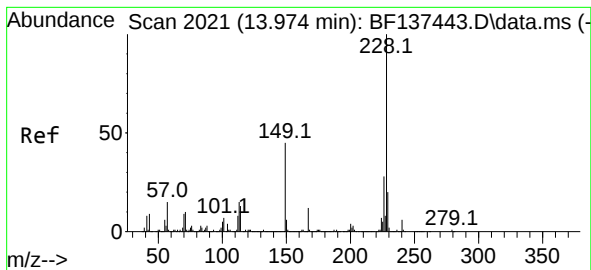
Delta R.T. -0.000 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Tgt Ion:244 Resp: 179254
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.3 9.1 13.7





#81

Benzo(a)anthracene

Concen: 5.366 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

Tgt Ion:228 Resp: 123070

Ion Ratio Lower Upper

228 100

226 30.4 22.3 33.5

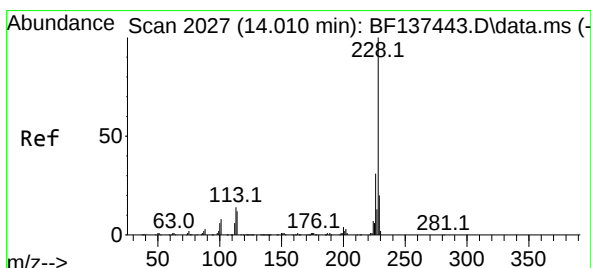
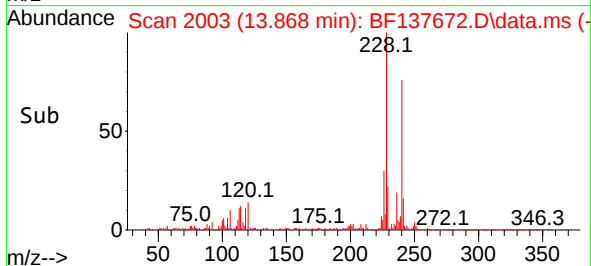
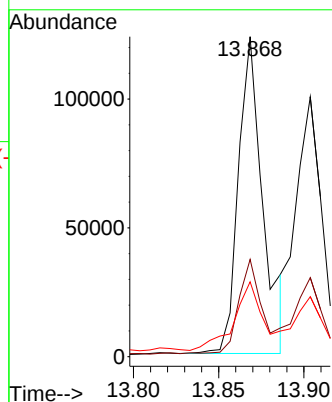
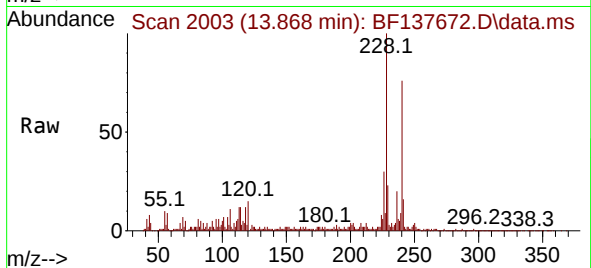
229 23.4 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/22/2024

Supervised By :mohammad ahmed 03/26/2024



#83

Chrysene

Concen: 4.652 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

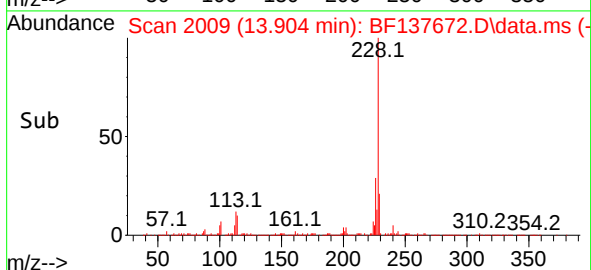
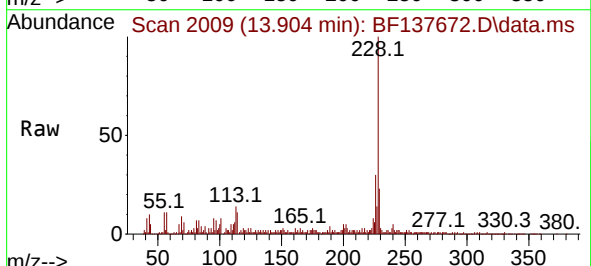
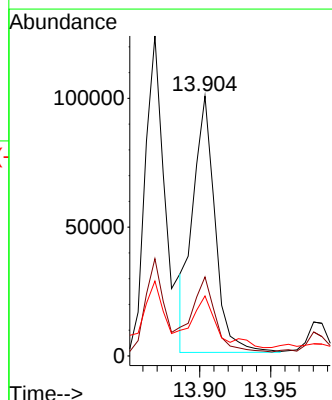
Tgt Ion:228 Resp: 107831

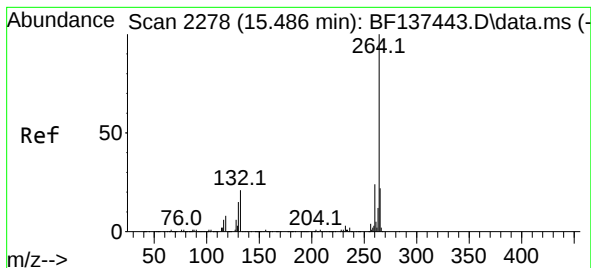
Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

229 23.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

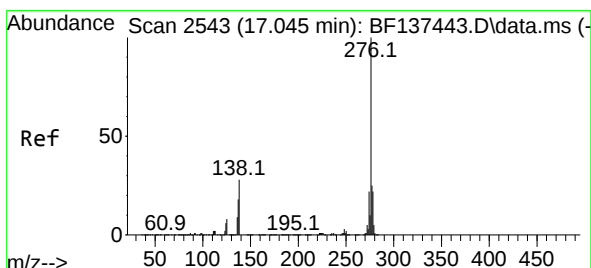
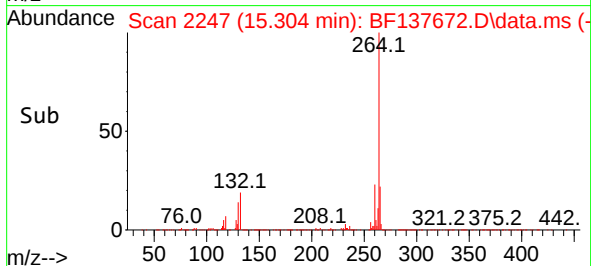
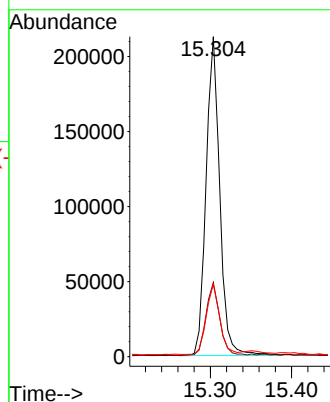
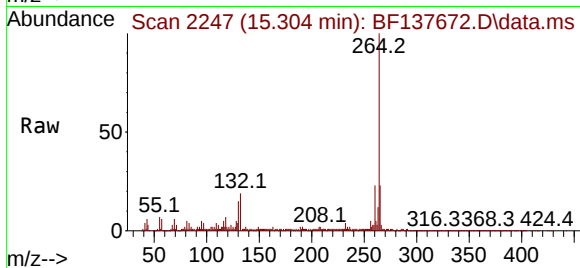
Tgt Ion:264 Resp: 248280

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.6	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.070 ng

RT: 16.692 min Scan# 2483

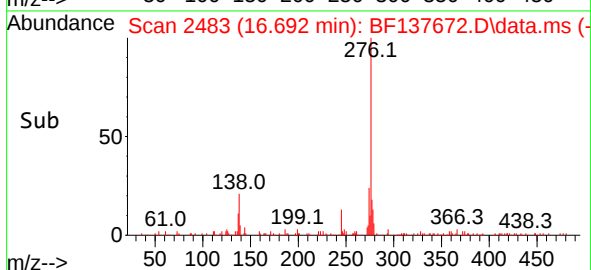
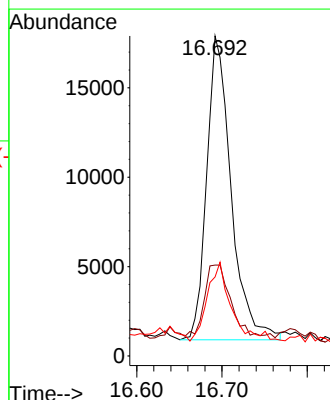
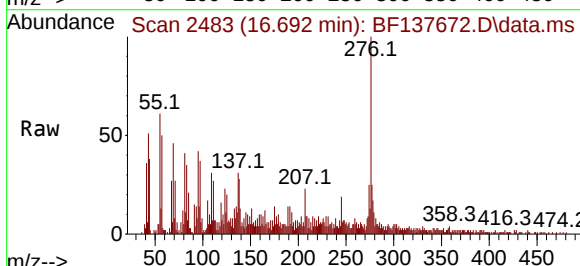
Delta R.T. 0.006 min

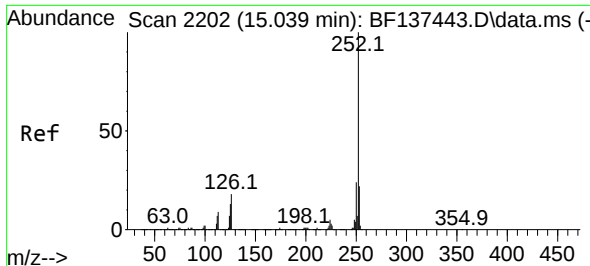
Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Tgt Ion:276 Resp: 33818

Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.8	38.8
277	25.2	20.2	30.2





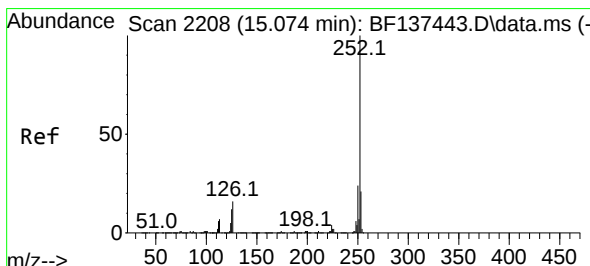
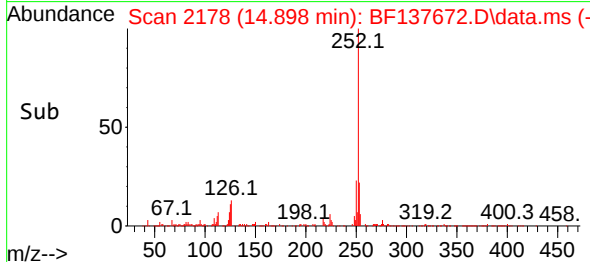
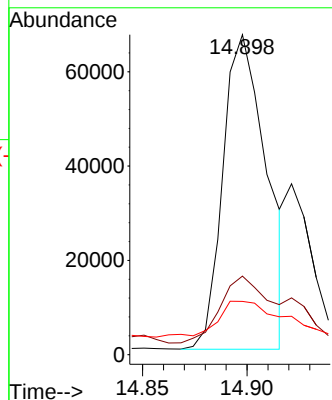
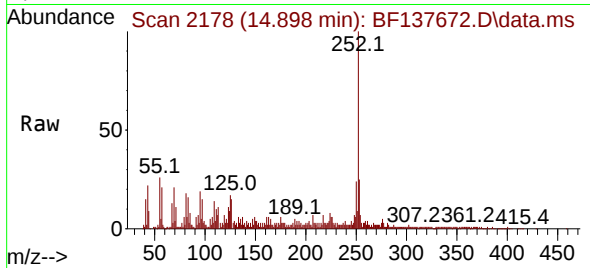
#88
Benzo(b)fluoranthene
Concen: 6.601 ng m
RT: 14.898 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :
BNA_F
ClientSampleId :
PL-01-032024

Tgt Ion:252 Resp: 96952
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 16.7 10.1 15.1

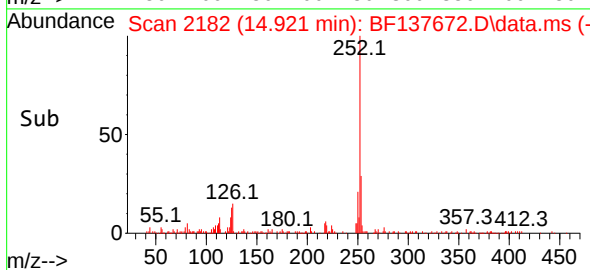
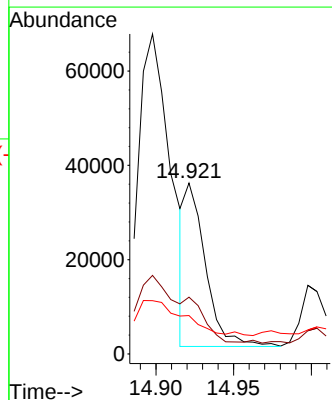
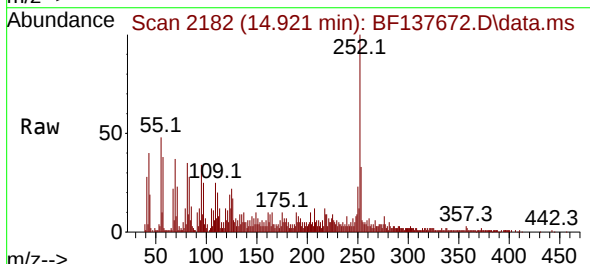
Manual Integrations
APPROVED

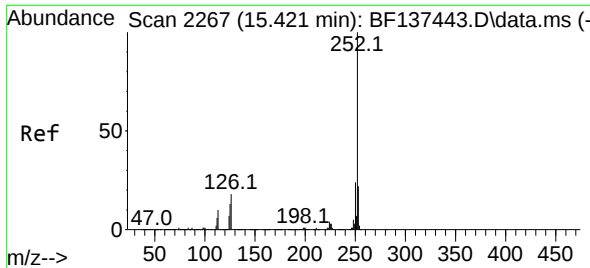
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#89
Benzo(k)fluoranthene
Concen: 2.016 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:252 Resp: 31803
Ion Ratio Lower Upper
252 100
253 33.2 17.3 25.9#
125 22.5 9.6 14.4#





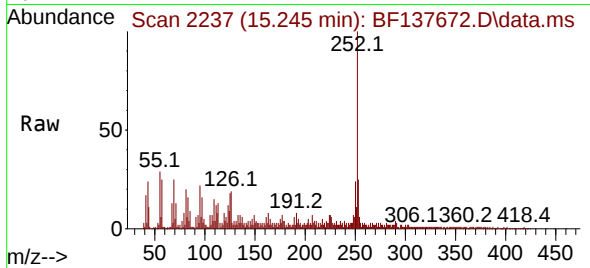
#90
Benzo(a)pyrene
Concen: 4.840 ng
RT: 15.245 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Instrument :

BNF_F

ClientSampleId :

PL-01-032024

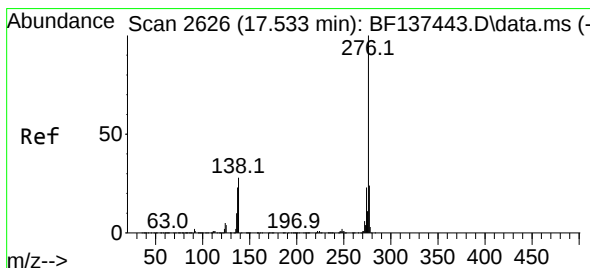
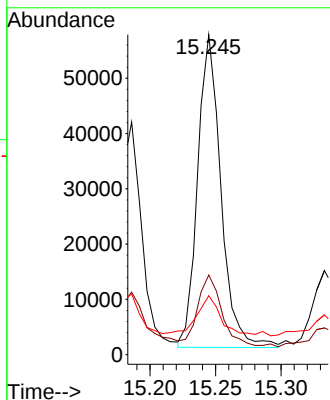
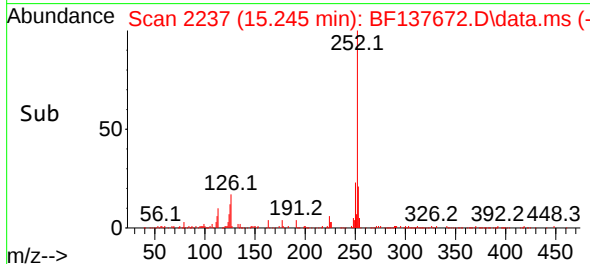


Tgt Ion:252 Resp: 70048
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 18.4 10.4 15.6

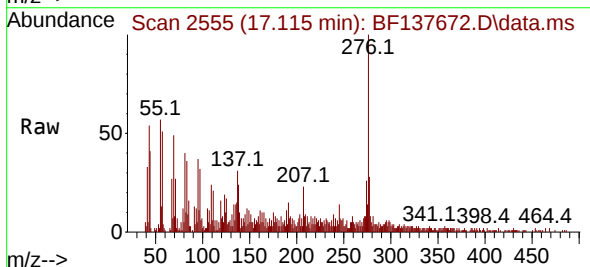
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#92
Benzo(g,h,i)perylene
Concen: 2.633 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.012 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55



Tgt Ion:276 Resp: 35833
Ion Ratio Lower Upper
276 100
277 27.7 19.0 28.4
138 24.3 22.2 33.2

