

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137681.D
 Acq On : 22 Mar 2024 14:56
 Operator : CG\JU
 Sample : P1827-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/26/2024
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 15:21:20 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	177491	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	681814	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	372642	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	559390	20.000	ng	0.00
76) Chrysene-d12	13.874	240	338238	20.000	ng	0.00
86) Perylene-d12	15.304	264	372149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1195156	101.983	ng	0.01
7) Phenol-d6	6.369	99	1618698	95.689	ng	0.00
23) Nitrobenzene-d5	7.292	82	1010442	68.859	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	338682	103.495	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1509103	63.393	ng	0.00
79) Terphenyl-d14	12.827	244	1186668	48.244	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	92070	3.024	ng	99
75) Fluoranthene	12.451	202	165218	5.552	ng	99
78) Pyrene	12.680	202	150822	4.544	ng	99
81) Benzo(a)anthracene	13.868	228	71770	3.027	ng	95
83) Chrysene	13.904	228	89869	3.751	ng	96
88) Benzo(b)fluoranthene	14.892	252	105837m	4.808	ng	
90) Benzo(a)pyrene	15.245	252	68889	3.176	ng	99

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

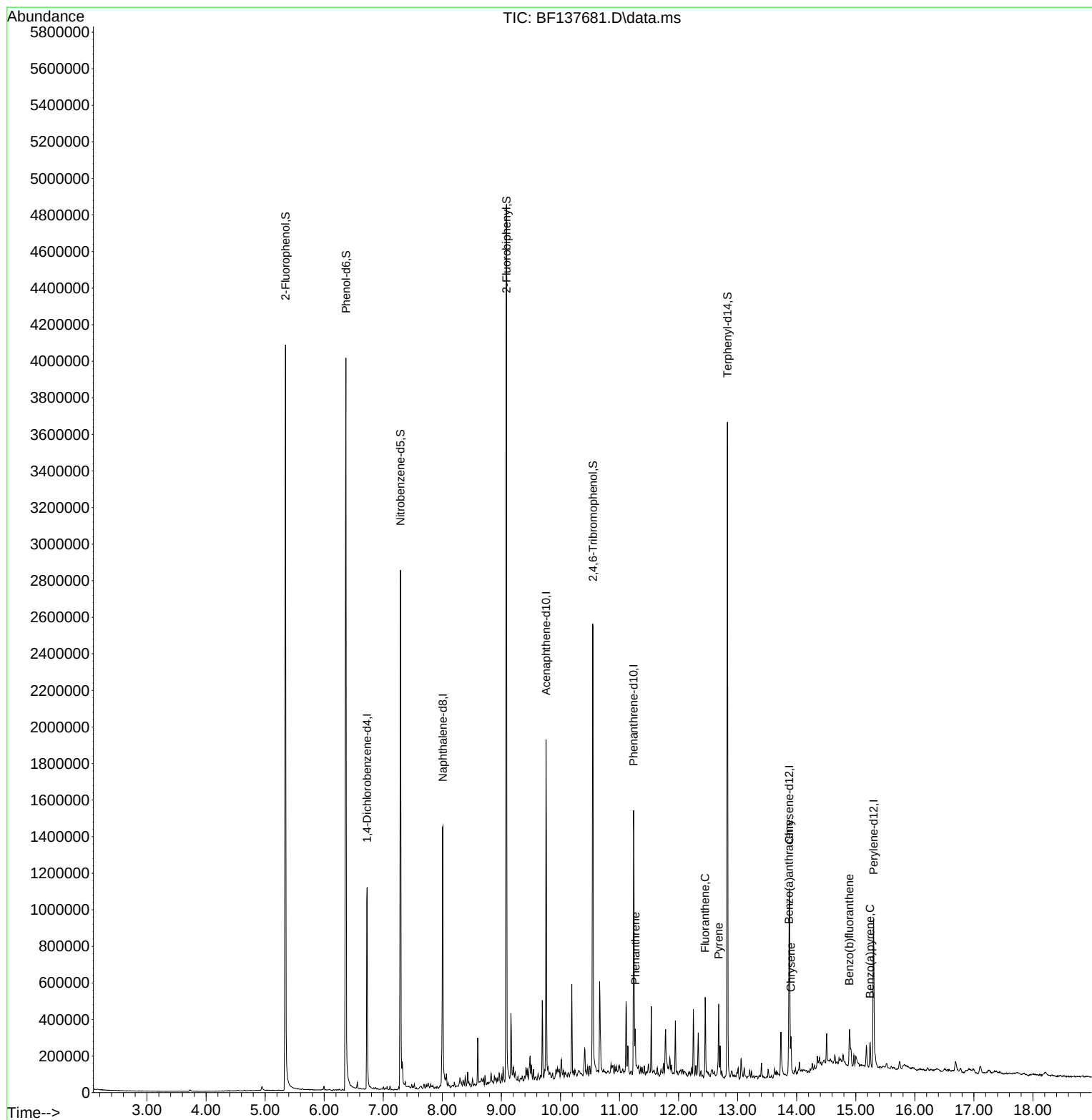
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137681.D
Acq On : 22 Mar 2024 14:56
Operator : CG\JU
Sample : P1827-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

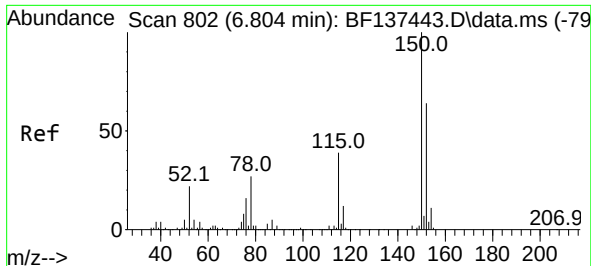
Instrument :
BNA_F
ClientSampleId :
72-11933

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 15:21:20 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



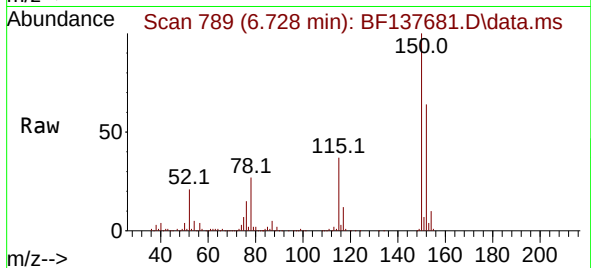


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

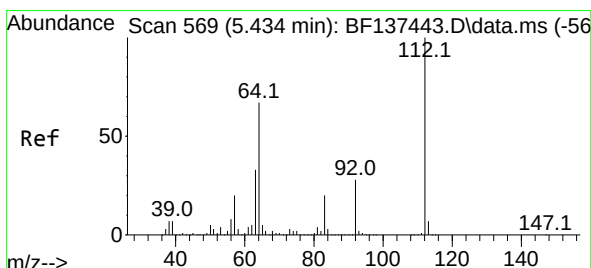
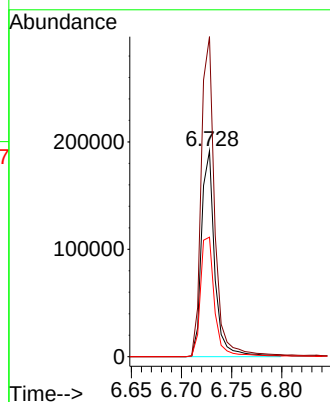
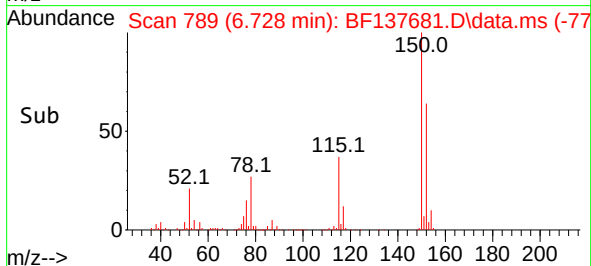
ClientSampleId :
72-11933



Tgt Ion:152 Resp: 17749
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.6
115 58.1 48.8 73.2

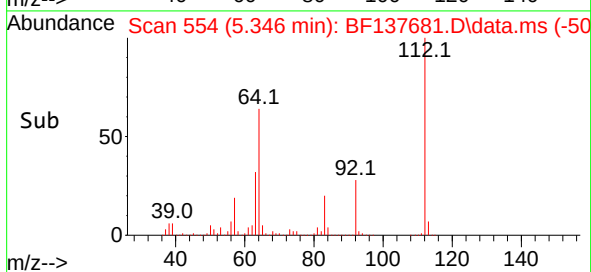
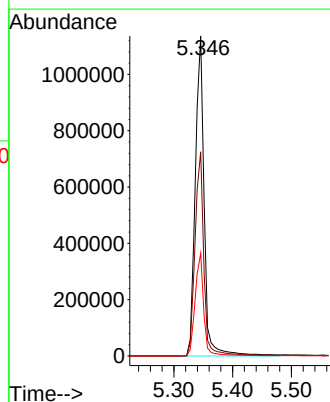
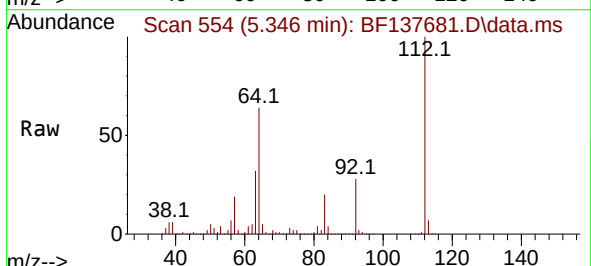
Manual Integrations
APPROVED

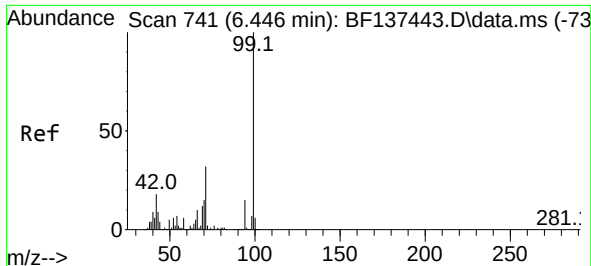
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#5
2-Fluorophenol
Concen: 101.983 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.012 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

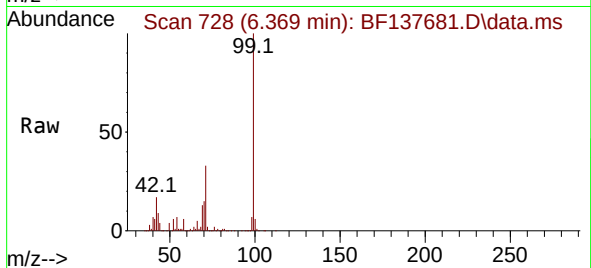
Tgt Ion:112 Resp: 1195156
Ion Ratio Lower Upper
112 100
64 63.8 53.4 80.2
63 32.1 26.2 39.2





#7
Phenol-d6
Concen: 95.689 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

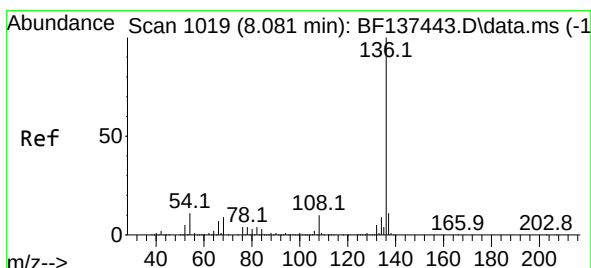
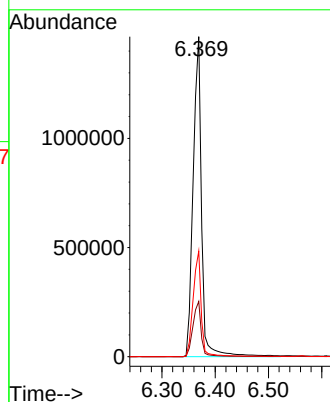
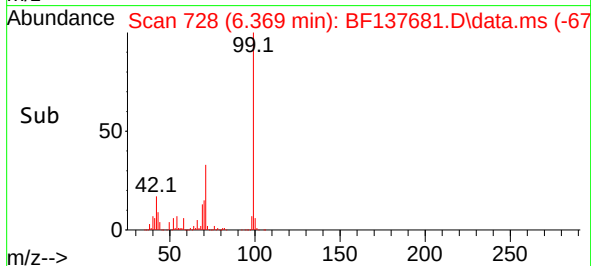
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion: 99 Resp: 1618698
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 33.0 25.3 37.9

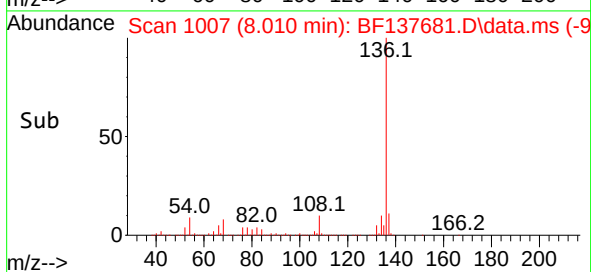
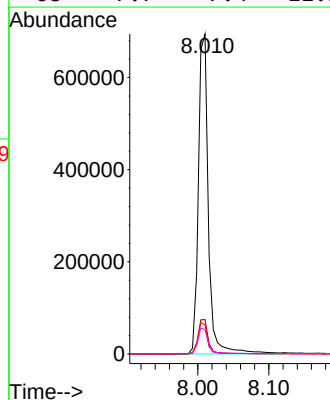
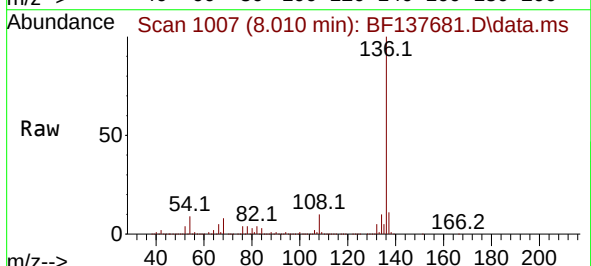
Manual Integrations
APPROVED

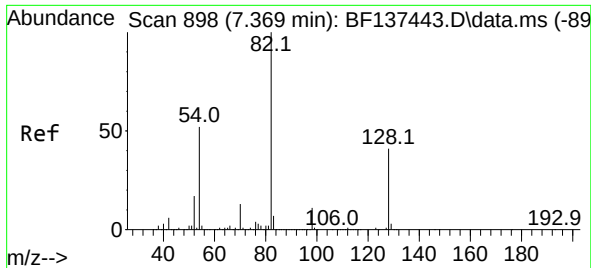
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

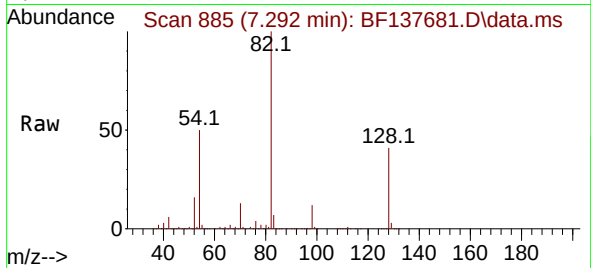
Tgt Ion:136 Resp: 681814
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.1 8.5 12.7
68 7.7 7.4 11.2





#23
Nitrobenzene-d5
Concen: 68.859 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

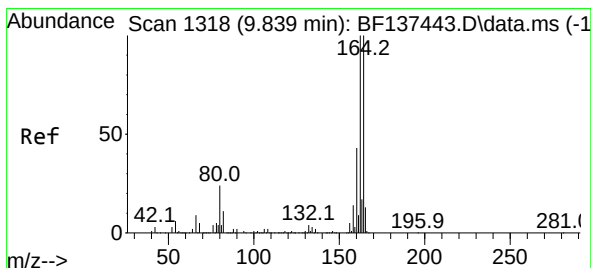
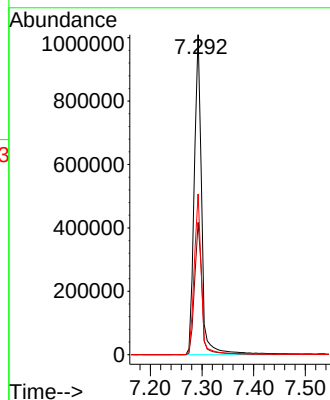
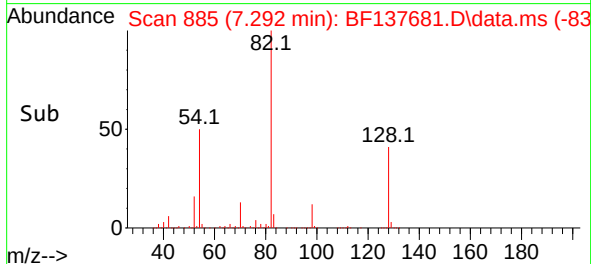
Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion: 82 Resp: 101044
Ion Ratio Lower Upper
82 100
128 41.3 32.5 48.7
54 50.2 41.5 62.3

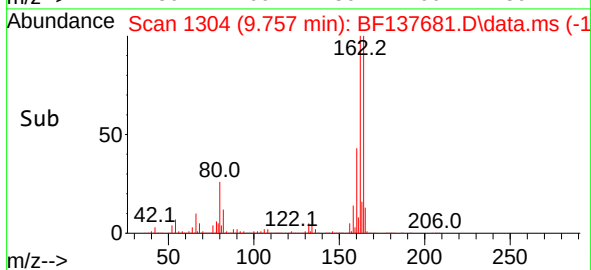
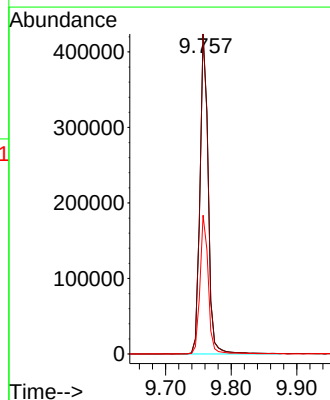
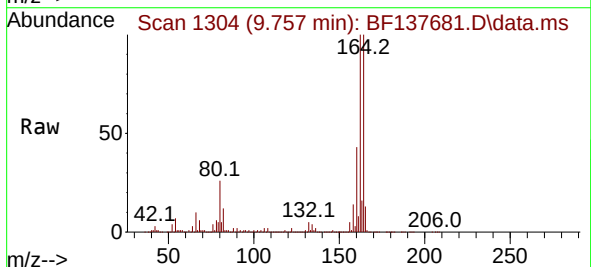
Manual Integrations
APPROVED

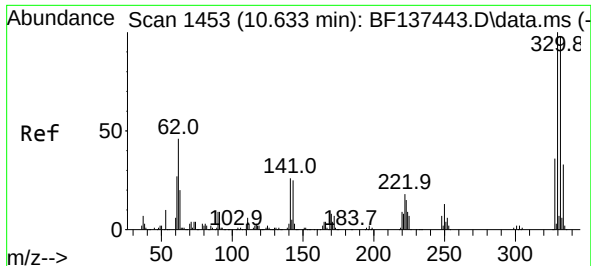
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:164 Resp: 372642
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 43.4 34.4 51.6





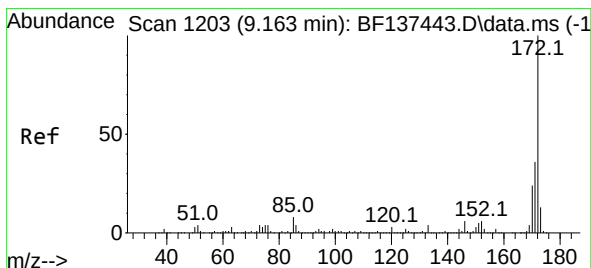
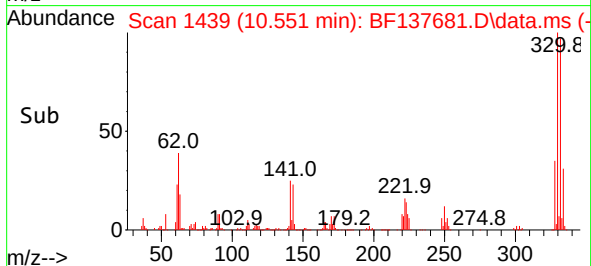
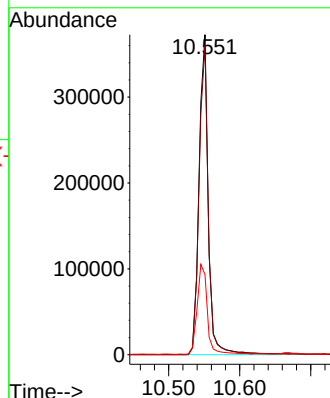
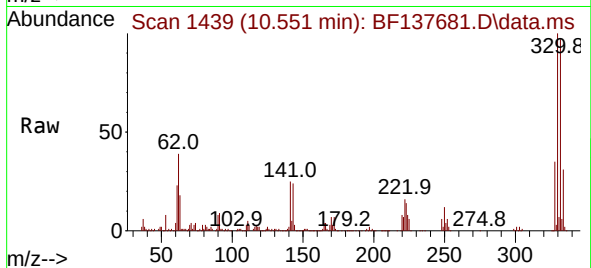
#42
2,4,6-Tribromophenol
Concen: 103.495 ng
RT: 10.551 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :
BNA_F
ClientSampleId :
72-11933

Tgt Ion:330 Resp: 33868
Ion Ratio Lower Upper
330 100
332 97.9 78.0 117.0
141 30.8 27.3 40.9

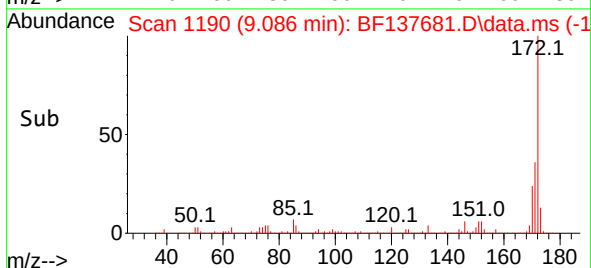
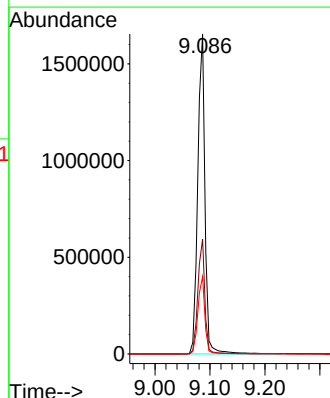
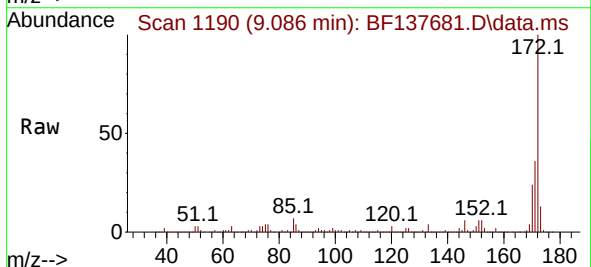
Manual Integrations
APPROVED

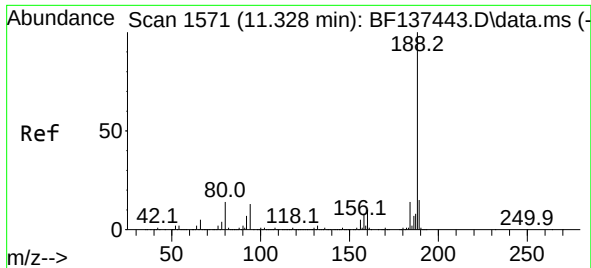
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 63.393 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:172 Resp: 1509103
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.1 19.0 28.6





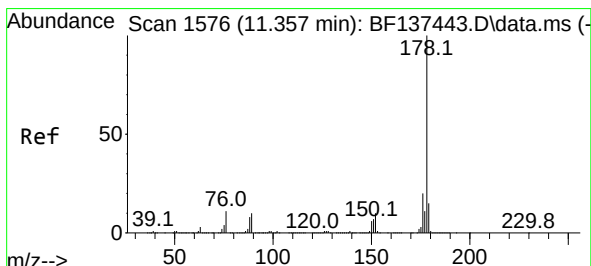
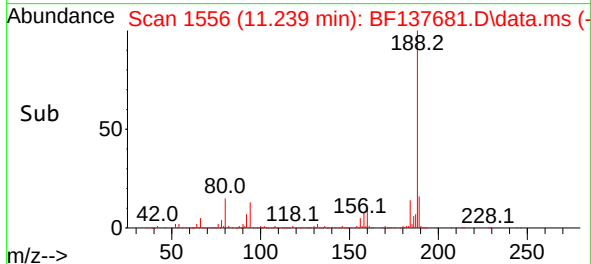
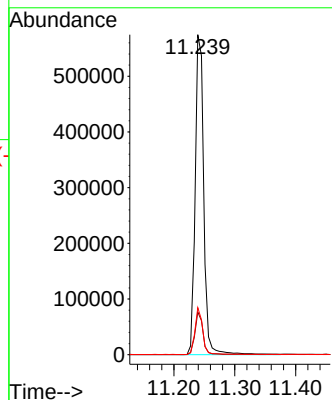
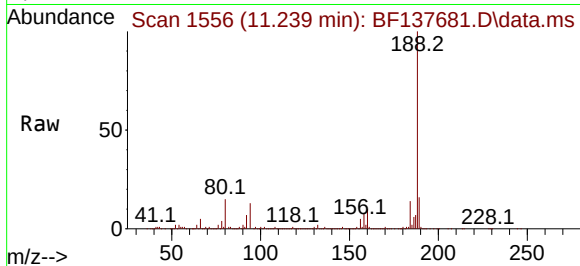
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :
BNA_F
ClientSampleId :
72-11933

Tgt Ion:188 Resp: 559390
Ion Ratio Lower Upper
188 100
94 13.3 10.6 15.8
80 14.7 11.5 17.3

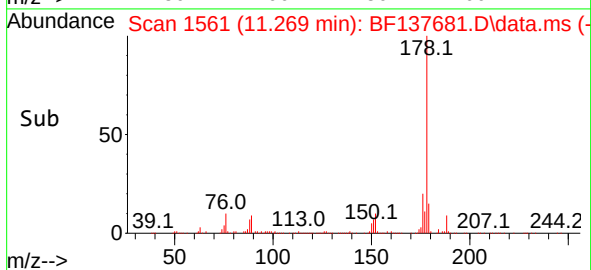
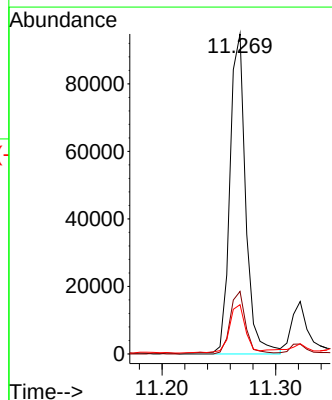
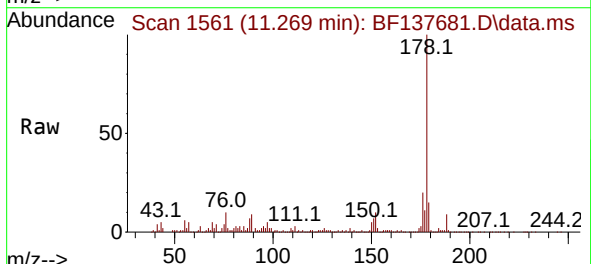
Manual Integrations
APPROVED

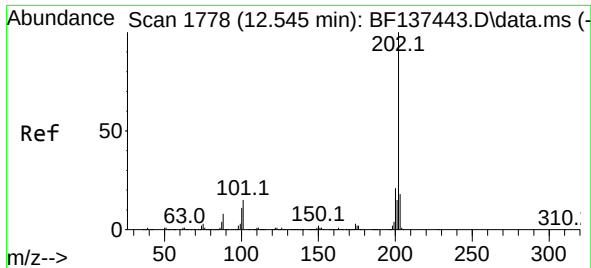
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#71
Phenanthrene
Concen: 3.024 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:178 Resp: 92070
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.4 12.2 18.2





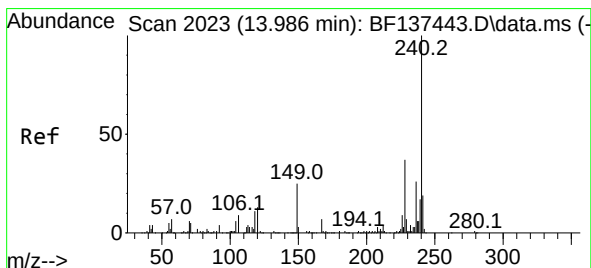
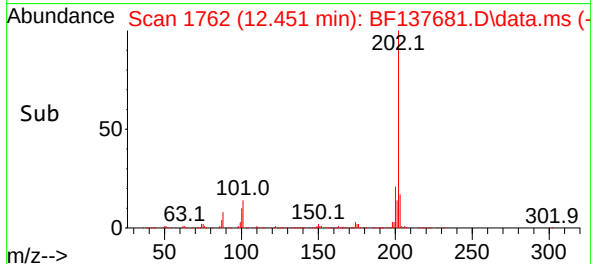
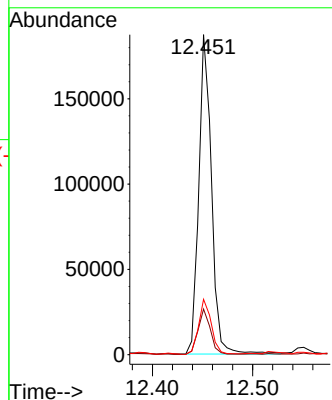
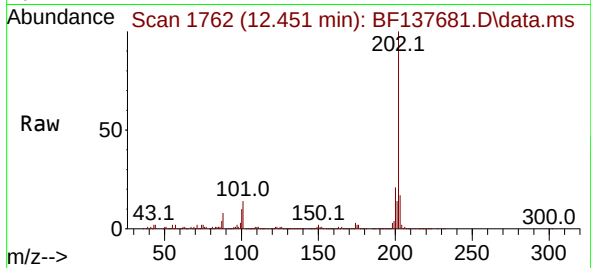
#75
Fluoranthene
Concen: 5.552 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :
BNA_F
ClientSampleId :
72-11933

Tgt Ion:202 Resp: 165218
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.0
203 17.3 0.0 37.7

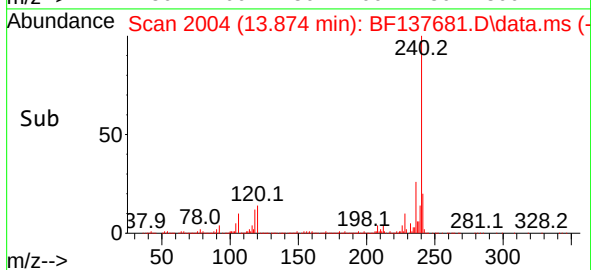
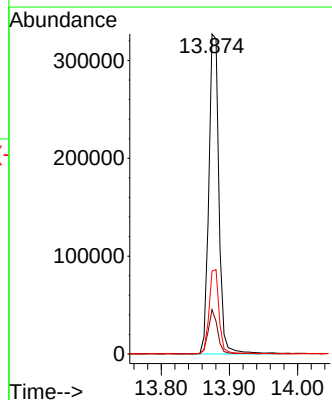
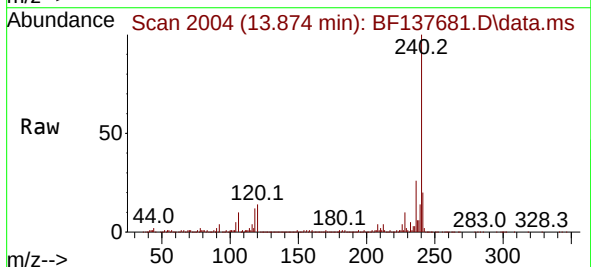
Manual Integrations
APPROVED

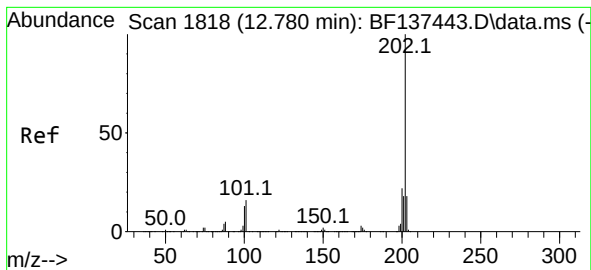
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:240 Resp: 338238
Ion Ratio Lower Upper
240 100
120 13.9 10.4 15.6
236 25.9 20.9 31.3





#78

Pyrene

Concen: 4.544 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

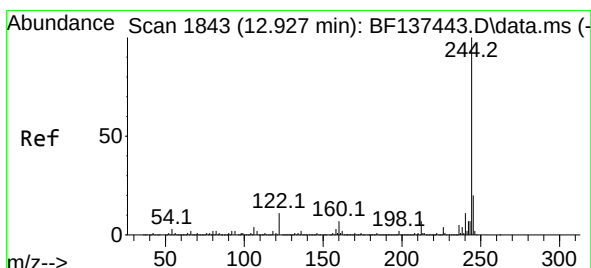
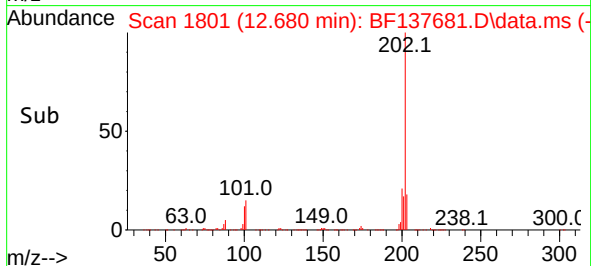
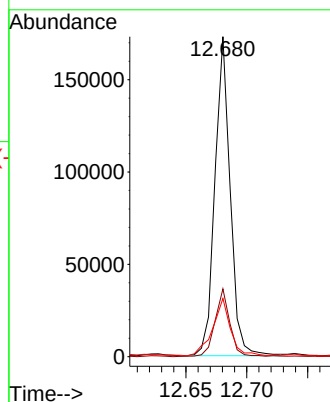
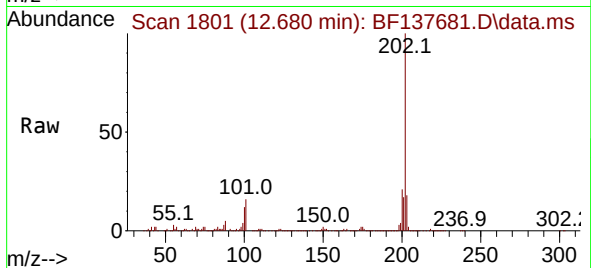
Tgt Ion:202 Resp: 150822
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 18.2 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#79

Terphenyl-d14

Concen: 48.244 ng

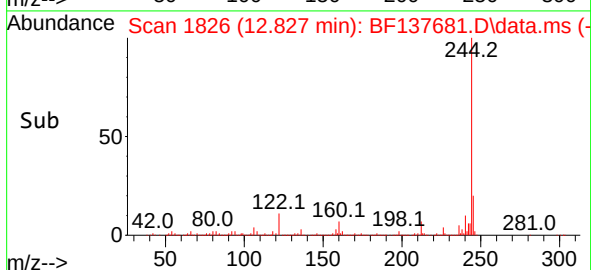
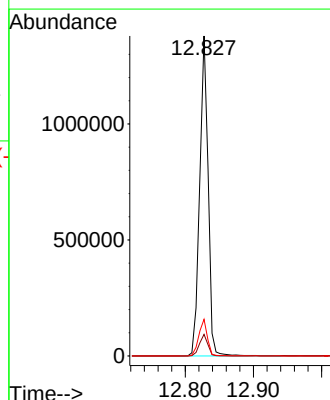
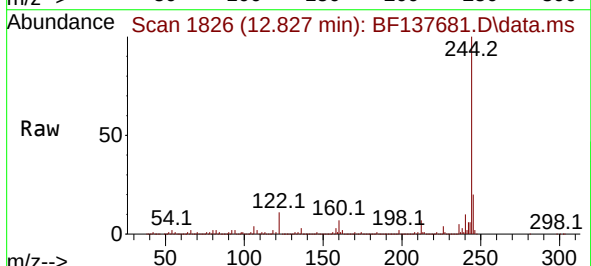
RT: 12.827 min Scan# 1826

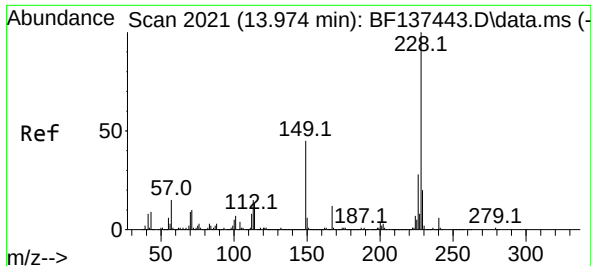
Delta R.T. -0.000 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Tgt Ion:244 Resp: 1186668
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 11.4 9.1 13.7





#81
Benzo(a)anthracene
Concen: 3.027 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

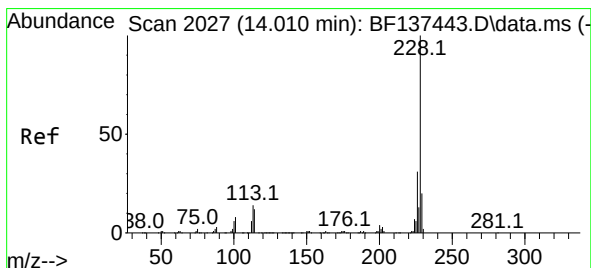
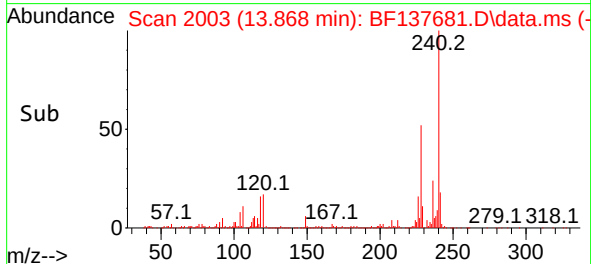
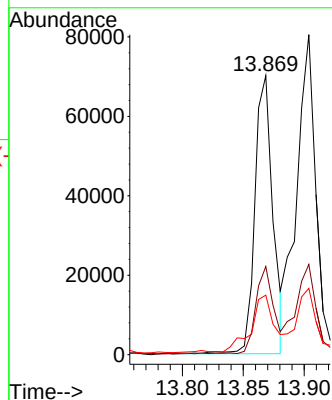
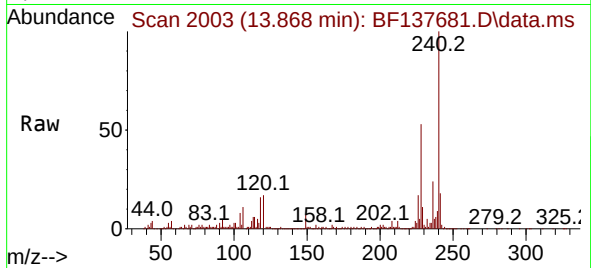
72-11933

Tgt Ion:228 Resp: 71770
Ion Ratio Lower Upper
228 100
226 31.6 22.3 33.5
229 21.3 16.3 24.5

Manual Integrations

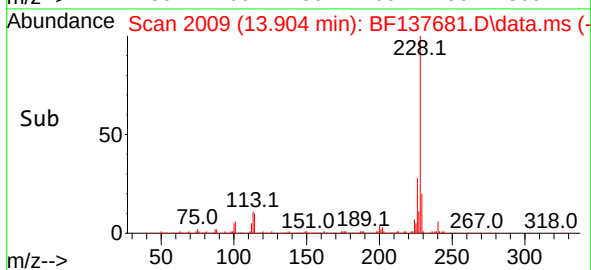
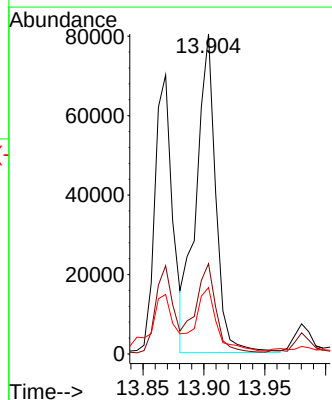
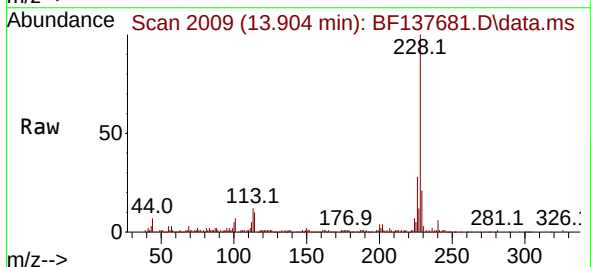
APPROVED

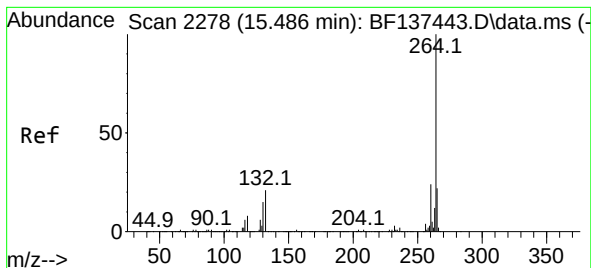
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#83
Chrysene
Concen: 3.751 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:228 Resp: 89869
Ion Ratio Lower Upper
228 100
226 28.2 24.7 37.1
229 20.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2177

Delta R.T. 0.006 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

Tgt Ion:264 Resp: 372149

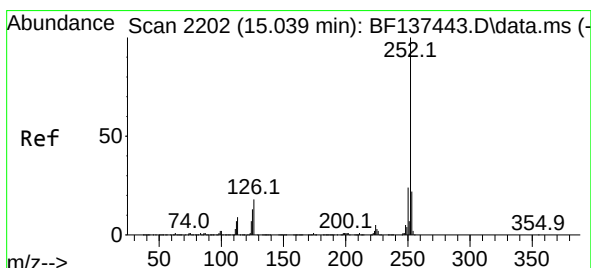
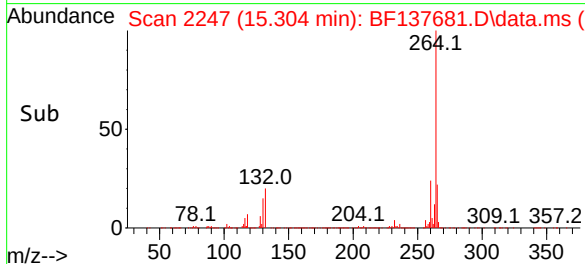
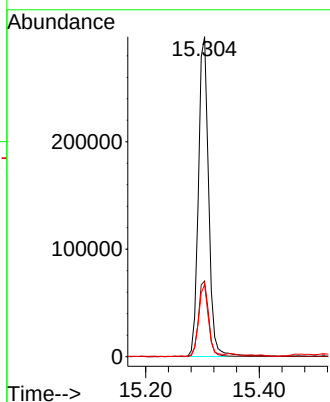
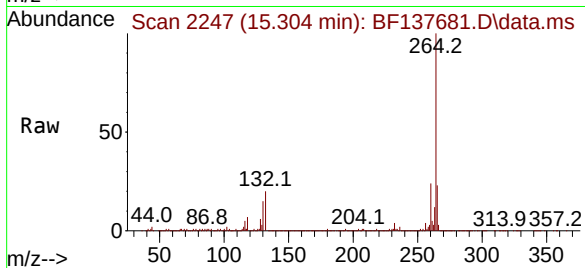
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	22.5	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#88

Benzo(b)fluoranthene

Concen: 4.808 ng m

RT: 14.892 min Scan# 2177

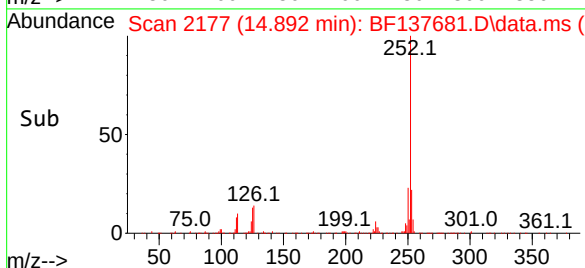
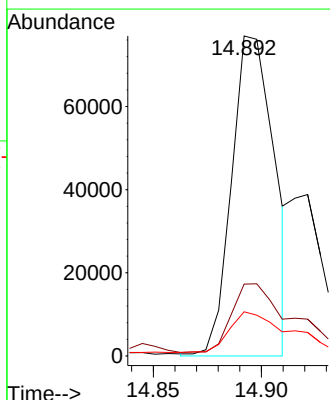
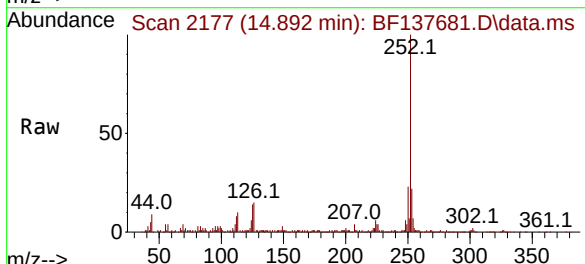
Delta R.T. -0.000 min

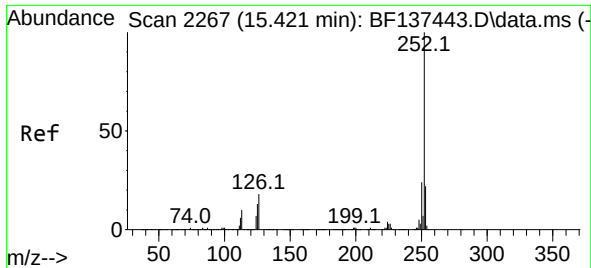
Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Tgt Ion:252 Resp: 105837

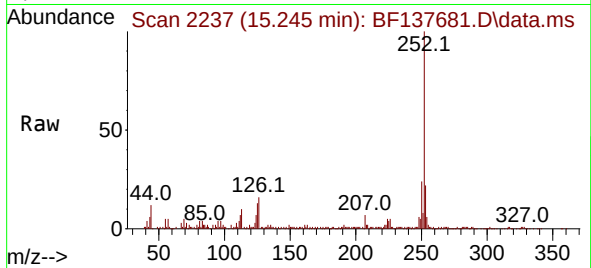
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	13.8	10.1	15.1





#90
Benzo(a)pyrene
Concen: 3.176 ng
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :
BNA_F
ClientSampleId :
72-11933



Tgt Ion:252 Resp: 68889
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 12.6 10.4 15.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024

