

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137600.D
 Acq On : 14 Mar 2024 19:58
 Operator : CG\JU
 Sample : P1746-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
 Supervised By :mohammad ahmed 03/16/2024

Quant Time: Mar 15 02:02:26 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	137227	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	506375	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	258931	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	390684	20.000	ng	0.00
76) Chrysene-d12	13.874	240	343222	20.000	ng	0.00
86) Perylene-d12	15.292	264	385990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	997746	110.119	ng	0.00
7) Phenol-d6	6.363	99	1311908	100.308	ng	0.00
23) Nitrobenzene-d5	7.287	82	787347	72.246	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	222421	97.816	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1258156	76.062	ng	0.00
79) Terphenyl-d14	12.822	244	1156204	46.323	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	60489	2.845	ng	98
75) Fluoranthene	12.445	202	127382	6.129	ng	98
78) Pyrene	12.674	202	123733	3.674	ng	98
81) Benzo(a)anthracene	13.863	228	90897	3.779	ng	94
83) Chrysene	13.898	228	79352	3.264	ng	98
87) Indeno(1,2,3-cd)pyrene	16.674	276	52302	2.059	ng	# 91
88) Benzo(b)fluoranthene	14.886	252	124760m	5.464	ng	
89) Benzo(k)fluoranthene	14.910	252	50124m	2.044	ng	
90) Benzo(a)pyrene	15.233	252	89326	3.970	ng	99
92) Benzo(g,h,i)perylene	17.092	276	45818	2.165	ng	96

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

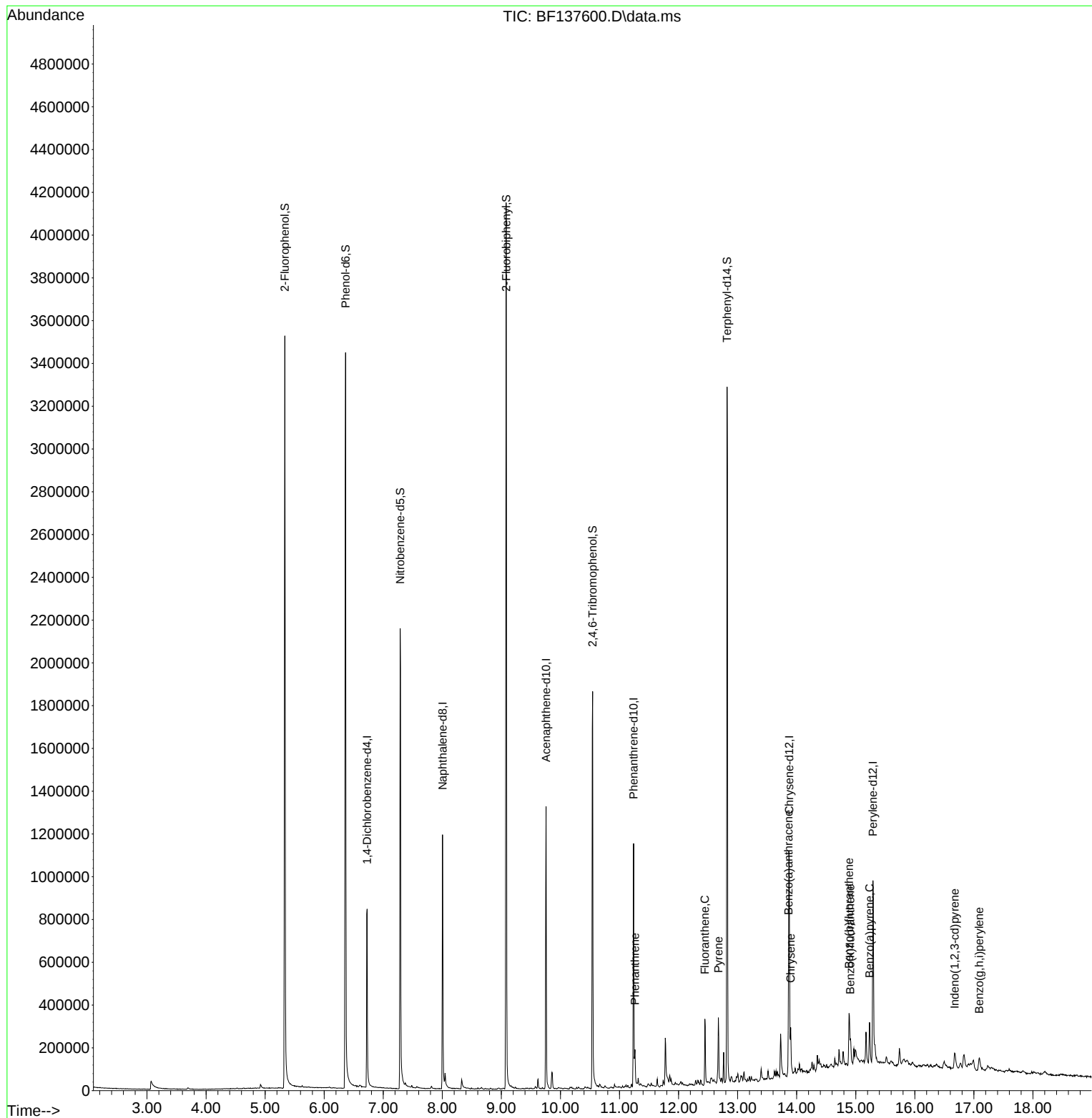
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137600.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

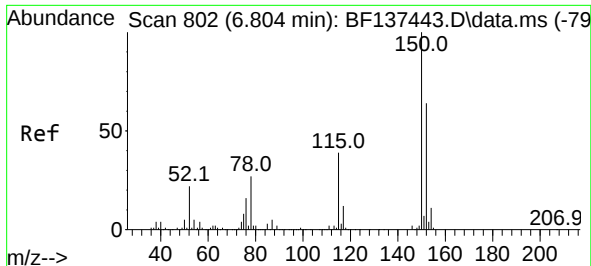
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Quant Time: Mar 15 02:02:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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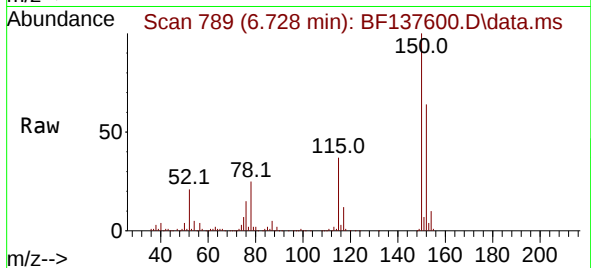
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

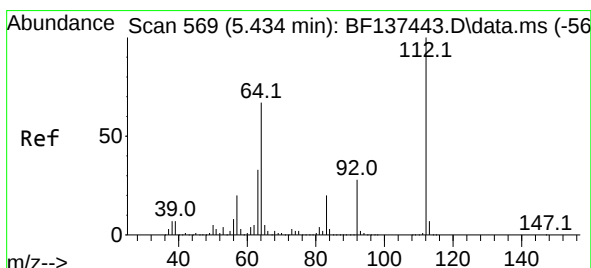
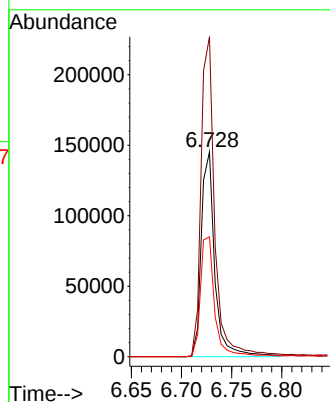
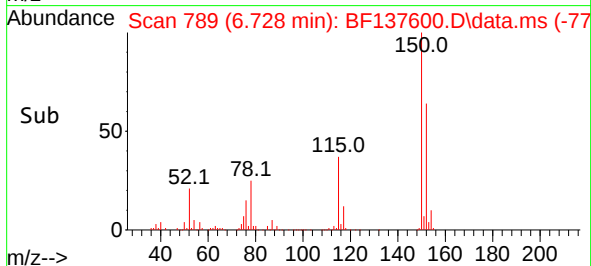
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion:152 Resp: 13722
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 58.5 48.8 73.2

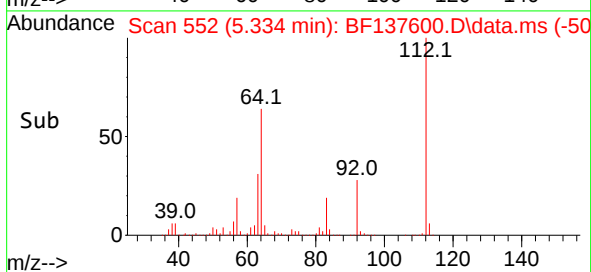
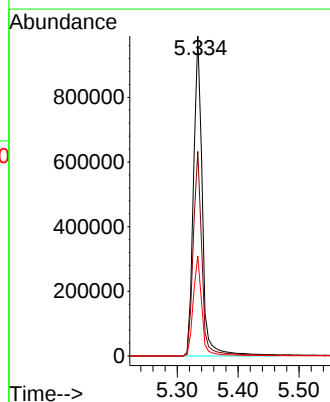
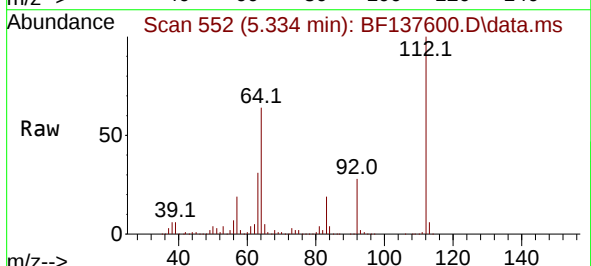
Manual Integrations
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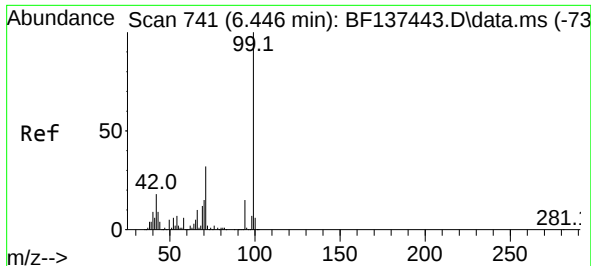
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#5
2-Fluorophenol
Concen: 110.119 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

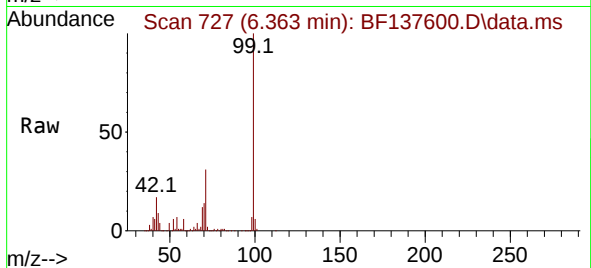
Tgt Ion:112 Resp: 997746
Ion Ratio Lower Upper
112 100
64 63.9 53.4 80.2
63 31.2 26.2 39.2





#7
Phenol-d6
Concen: 100.308 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

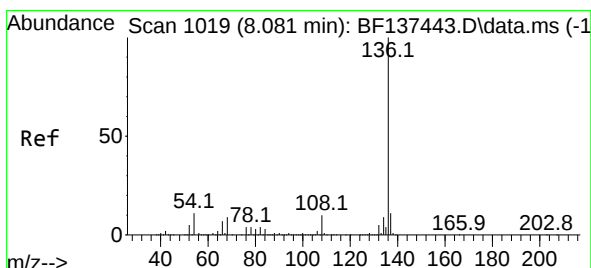
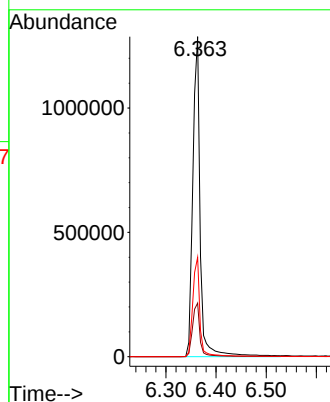
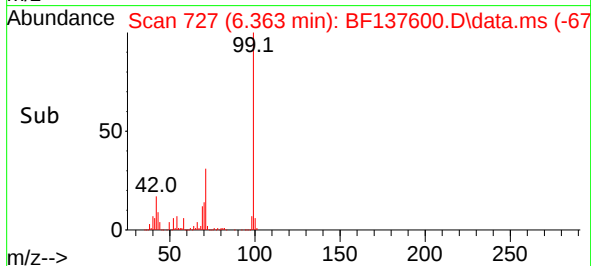
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion: 99 Resp: 1311908
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 31.1 25.3 37.9

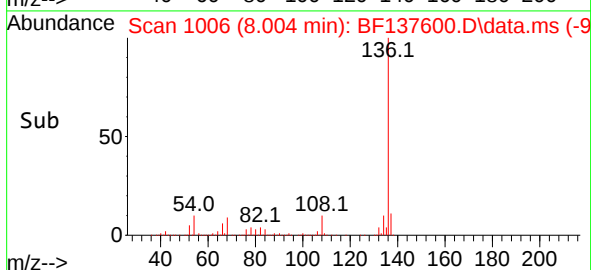
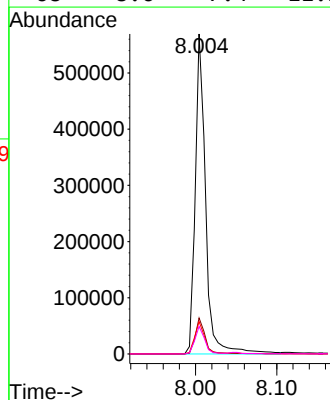
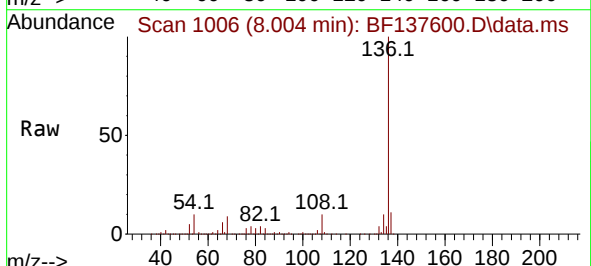
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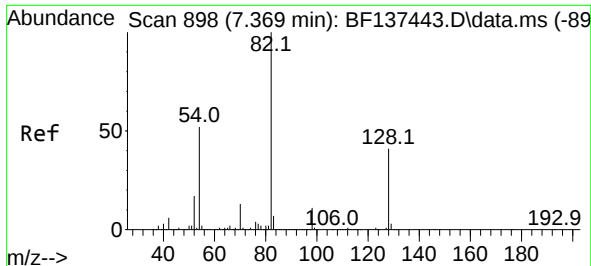
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:136 Resp: 506375
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.1 8.5 12.7
68 8.6 7.4 11.2





#23

Nitrobenzene-d5

Concen: 72.246 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

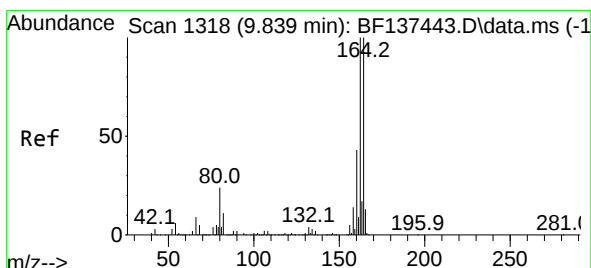
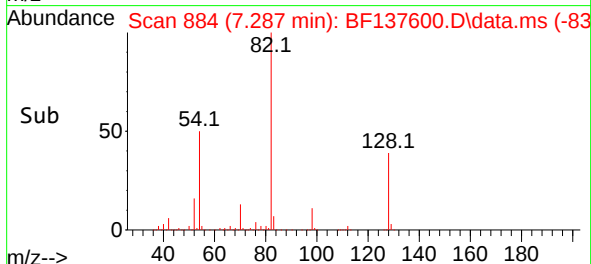
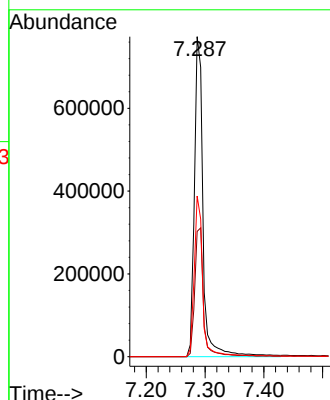
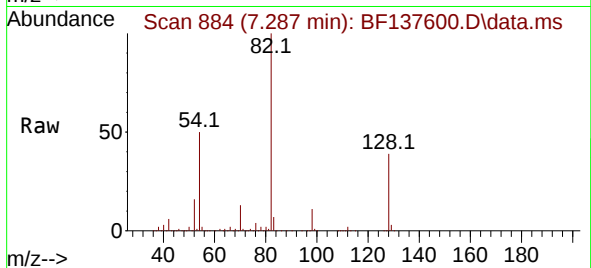
Tgt Ion: 82 Resp: 78734

Ion	Ratio	Lower	Upper
82	100		
128	39.1	32.5	48.7
54	50.2	41.5	62.3

Manual Integrations

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Supervised By :mohammad ahmed 03/16/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

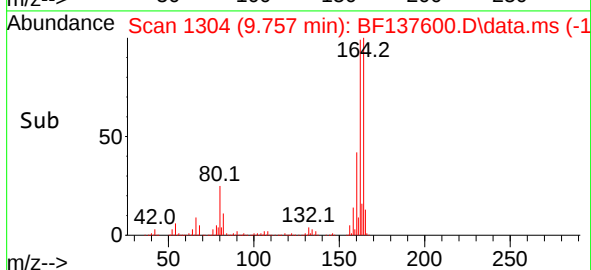
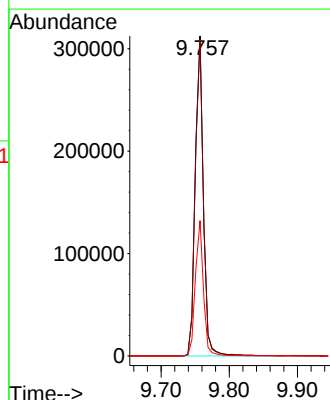
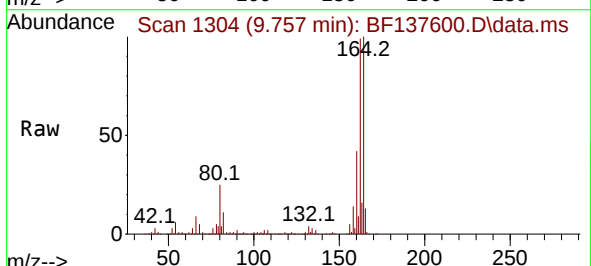
Delta R.T. -0.006 min

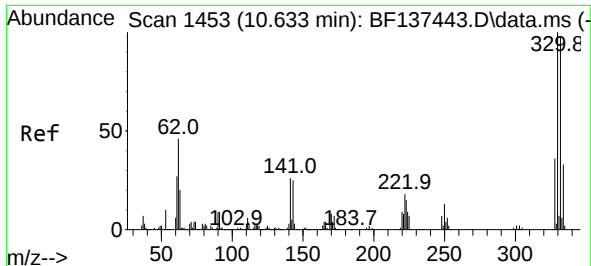
Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Tgt Ion:164 Resp: 258931

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.8	119.8
160	42.3	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 97.816 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

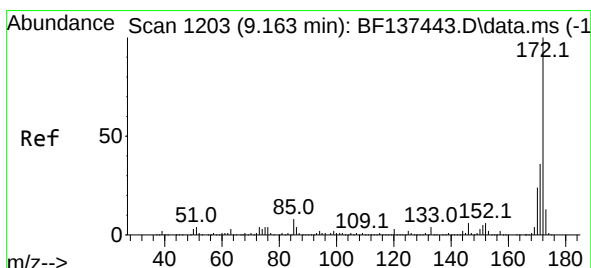
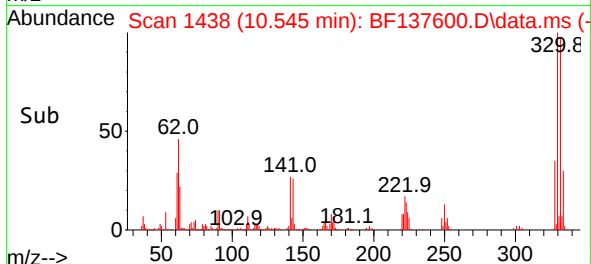
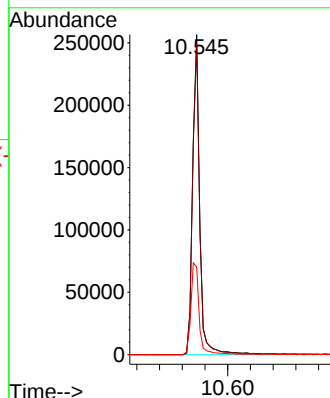
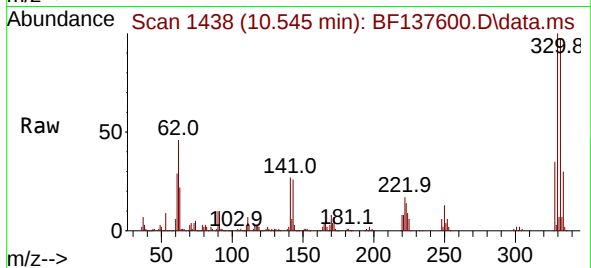
SB-02-0-2.0

Tgt Ion:330 Resp: 22242
Ion Ratio Lower Upper
330 100
332 97.7 78.0 117.0
141 33.6 27.3 40.9

Manual Integrations

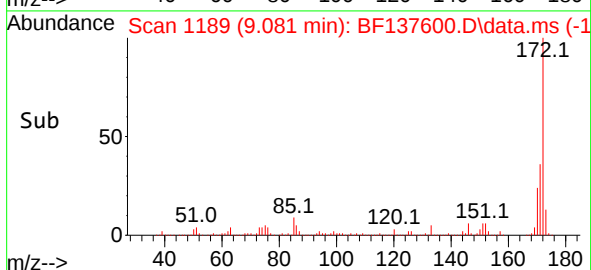
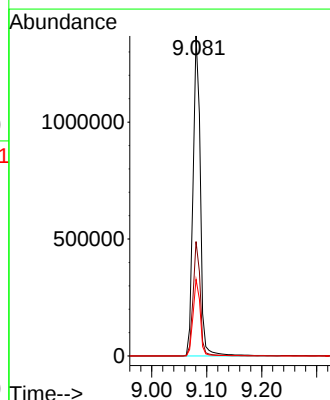
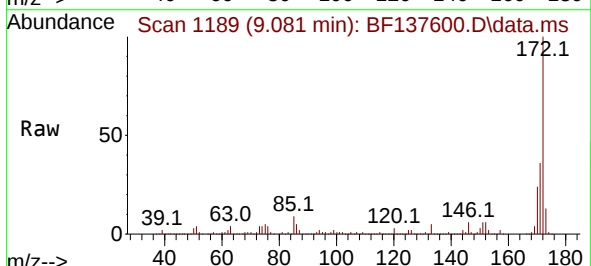
APPROVED

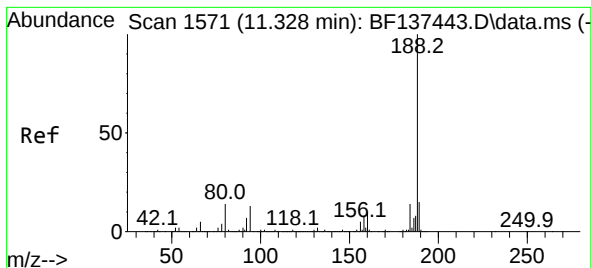
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#45
2-Fluorobiphenyl
Concen: 76.062 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:172 Resp: 1258156
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 24.0 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1560

Delta R.T. -0.000 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:188 Resp: 390684

Ion Ratio Lower Upper

188 100

94 12.6 10.6 15.8

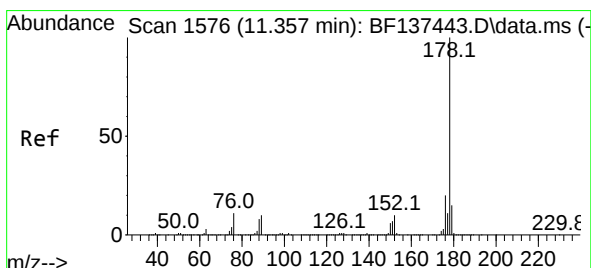
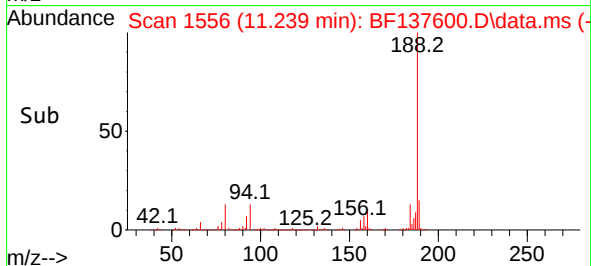
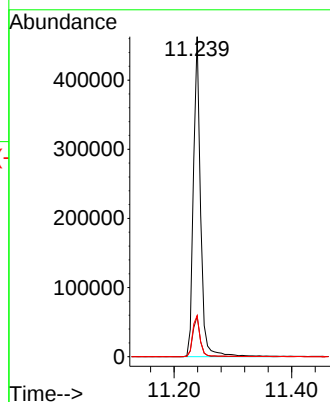
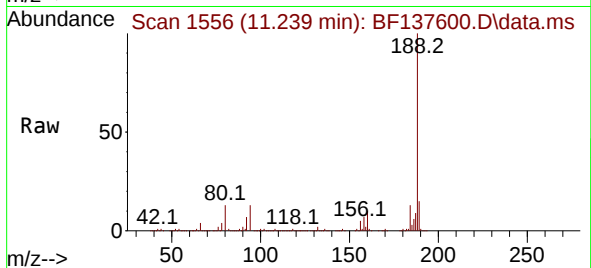
80 12.8 11.5 17.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/15/2024

Supervised By :mohammad ahmed 03/16/2024



#71

Phenanthrene

Concen: 2.845 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

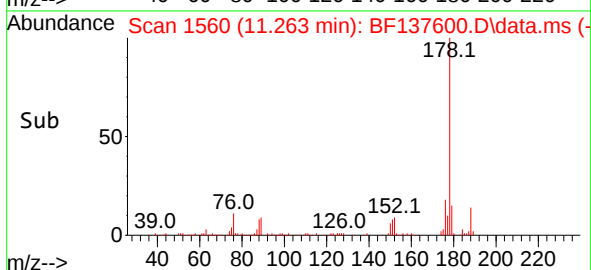
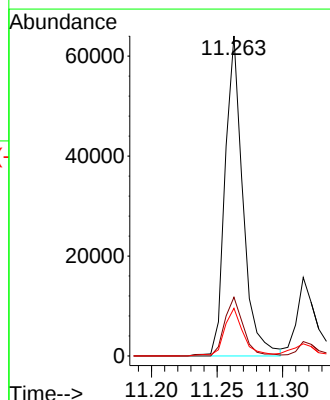
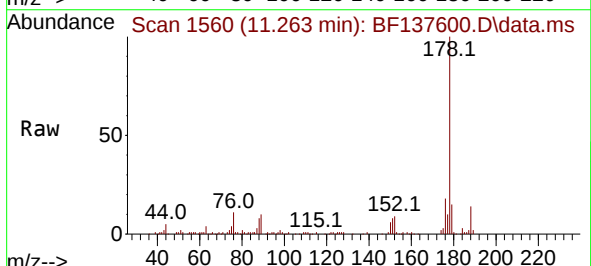
Tgt Ion:178 Resp: 60489

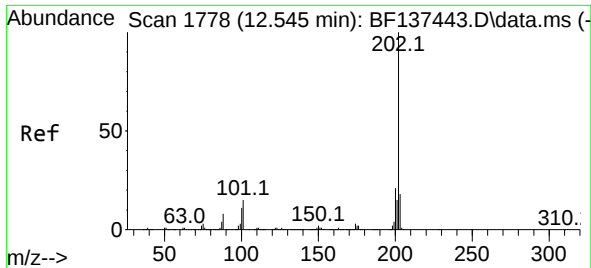
Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

179 14.9 12.2 18.2





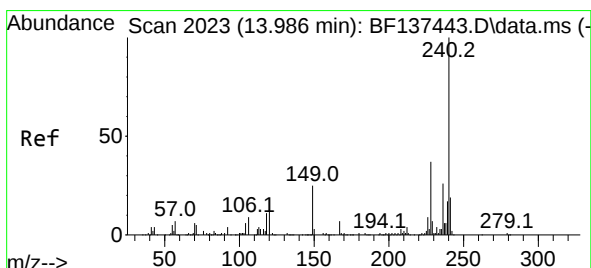
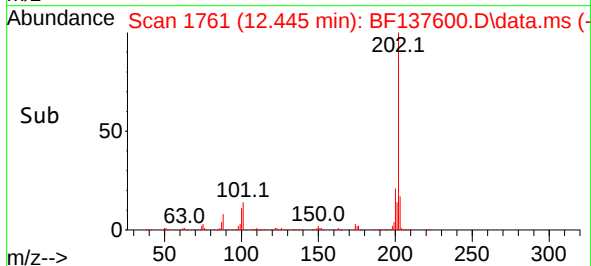
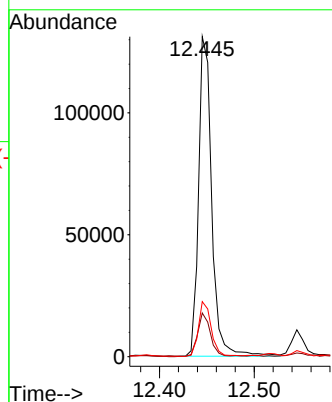
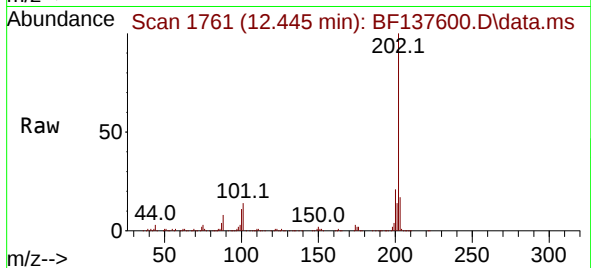
#75
Fluoranthene
Concen: 6.129 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Tgt Ion:202 Resp: 12738
Ion Ratio Lower Upper
202 100
101 13.6 0.0 35.0
203 17.2 0.0 37.7

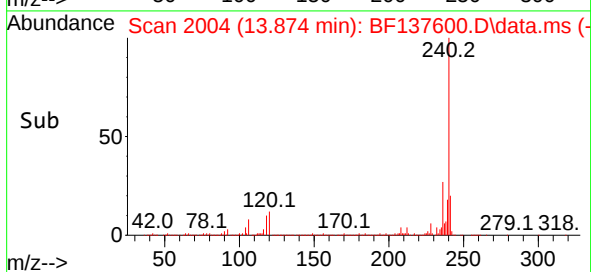
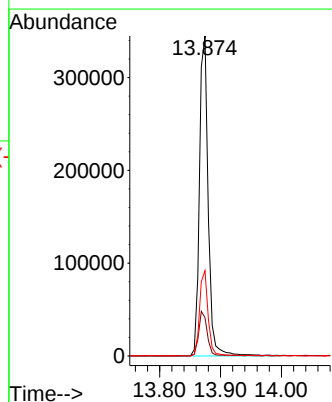
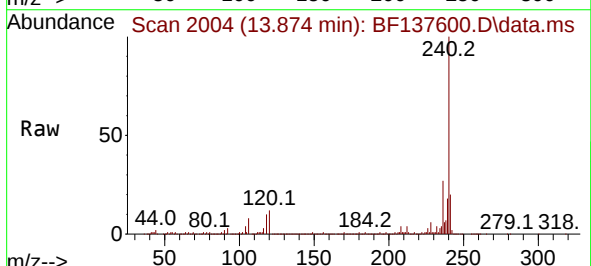
Manual Integrations
APPROVED

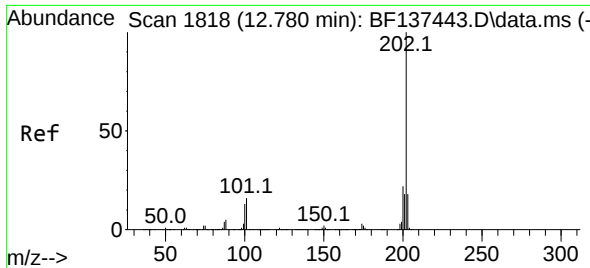
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

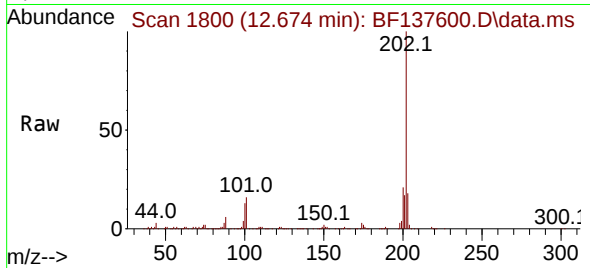
Tgt Ion:240 Resp: 343222
Ion Ratio Lower Upper
240 100
120 12.0 10.4 15.6
236 26.7 20.9 31.3





#78
Pyrene
Concen: 3.674 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

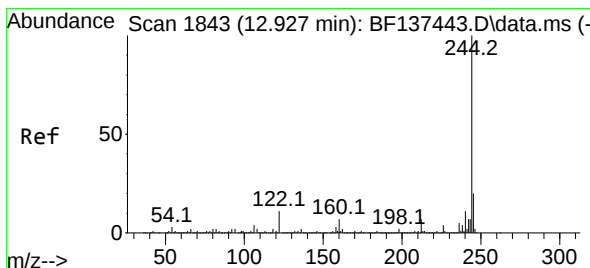
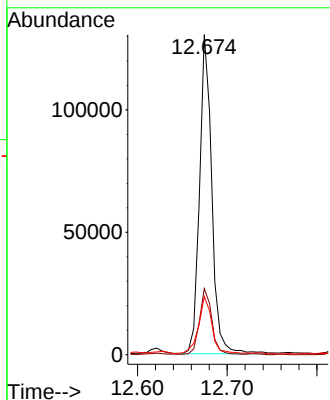
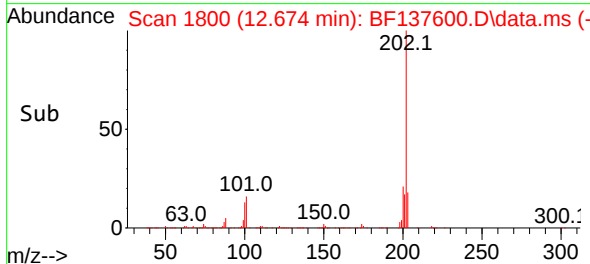
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion:202 Resp: 12373
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.2 14.1 21.1

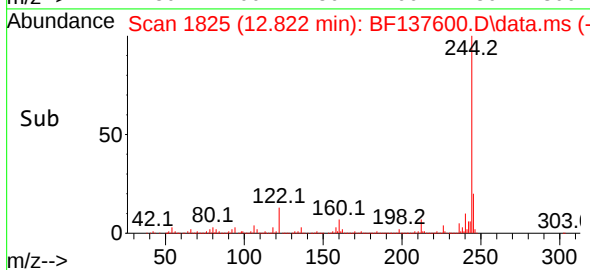
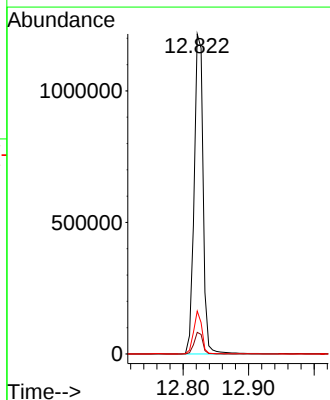
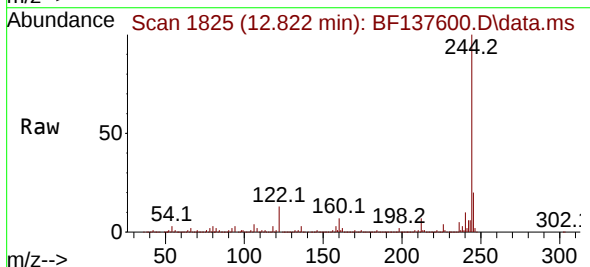
Manual Integrations
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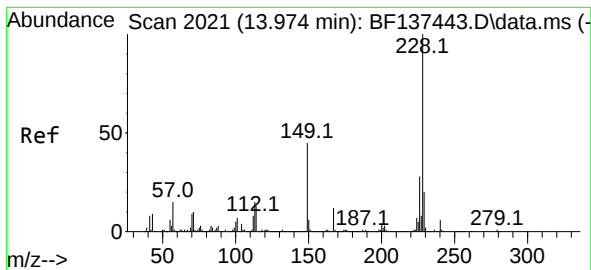
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#79
Terphenyl-d14
Concen: 46.323 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:244 Resp: 1156204
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 13.4 9.1 13.7





#81

Benzo(a)anthracene

Concen: 3.779 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

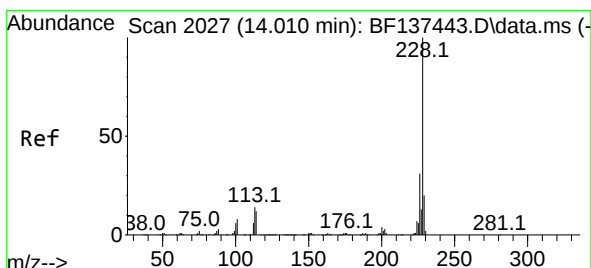
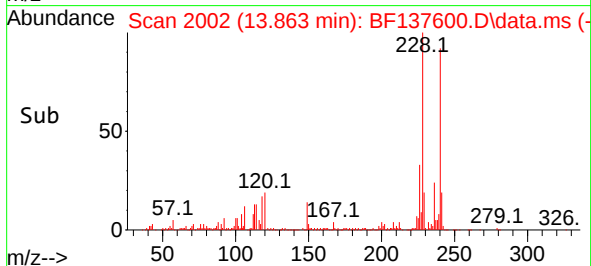
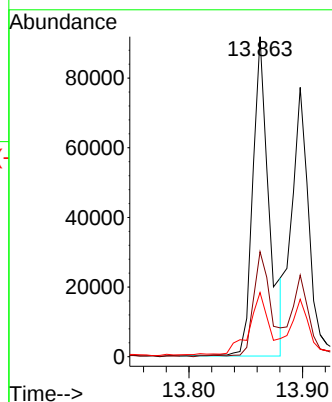
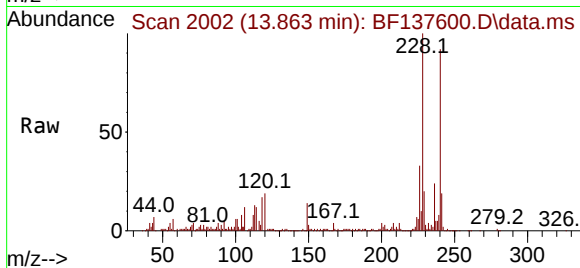
SB-02-0-2.0

Tgt Ion:228 Resp: 9089
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.3 33.5
 229 20.0 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
 Supervised By :mohammad ahmed 03/16/2024



#83

Chrysene

Concen: 3.264 ng

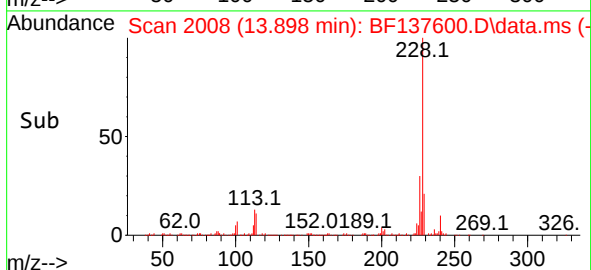
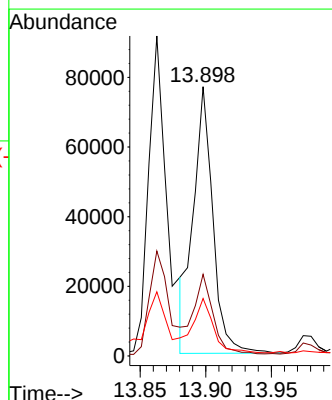
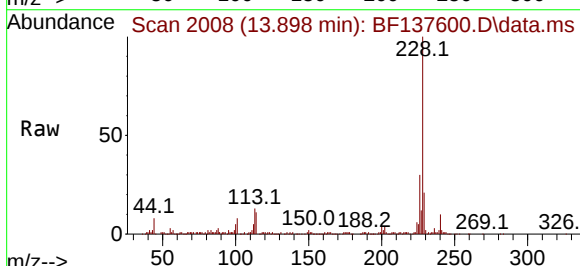
RT: 13.898 min Scan# 2008

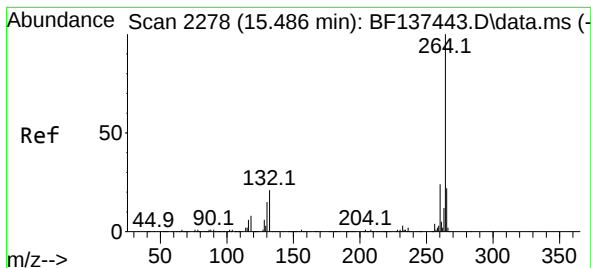
Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Tgt Ion:228 Resp: 79352
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.7 37.1
 229 21.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

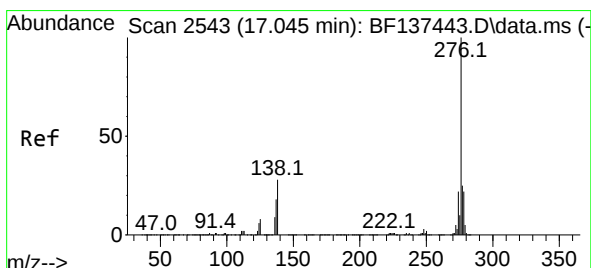
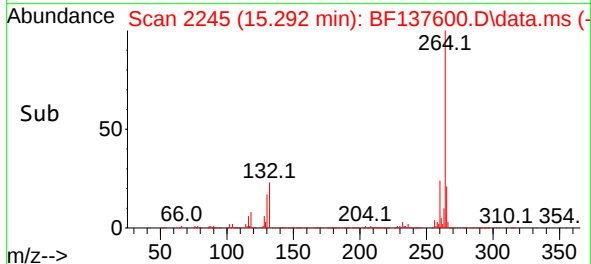
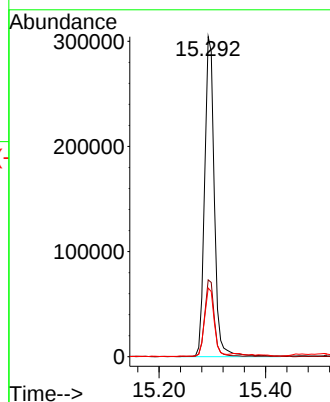
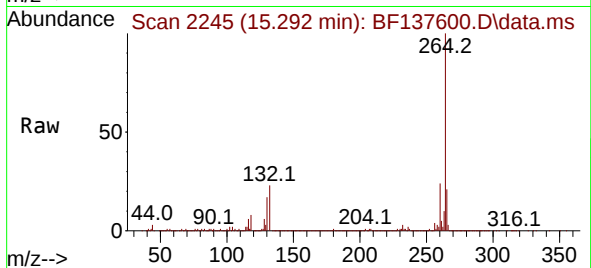
Tgt Ion:264 Resp: 385990

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	21.4	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.059 ng

RT: 16.674 min Scan# 2480

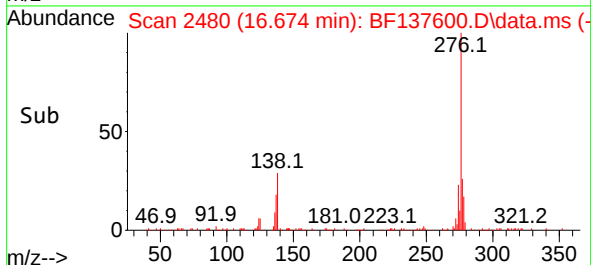
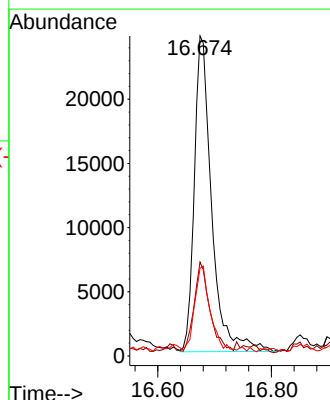
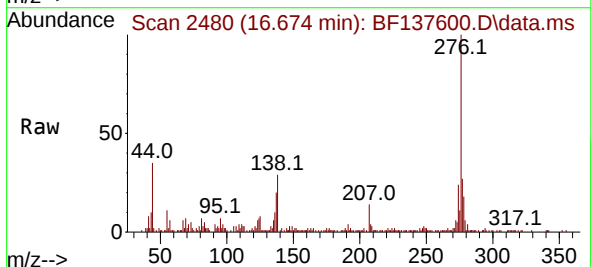
Delta R.T. -0.012 min

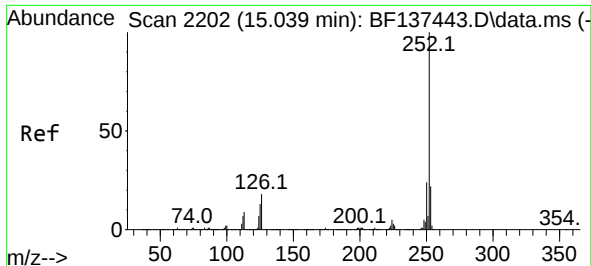
Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Tgt Ion:276 Resp: 52302

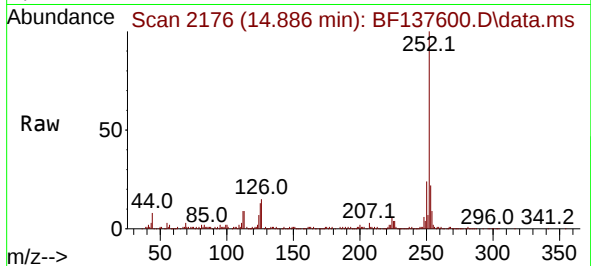
Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.8	38.8#
277	23.4	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 5.464 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

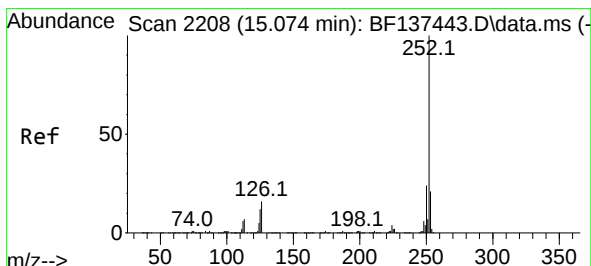
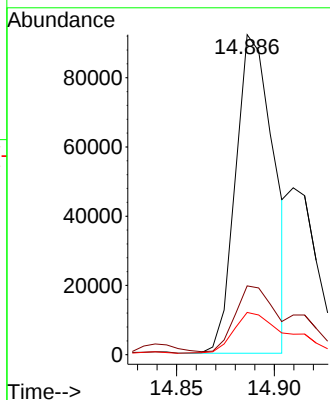
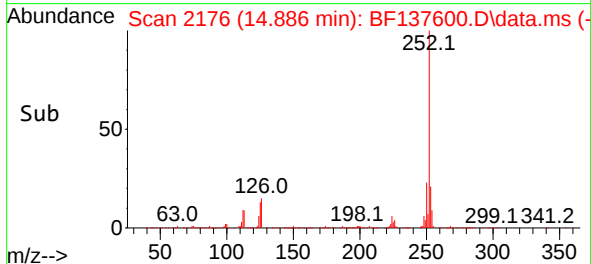
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion:252 Resp: 124760
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 13.2 10.1 15.1

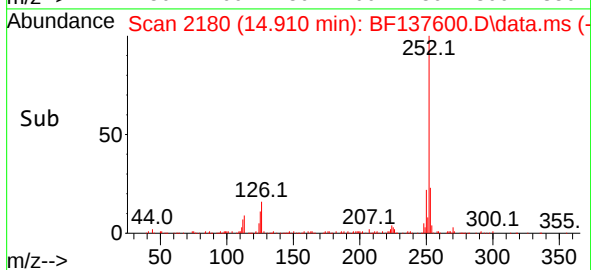
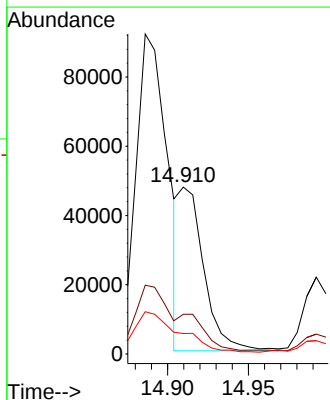
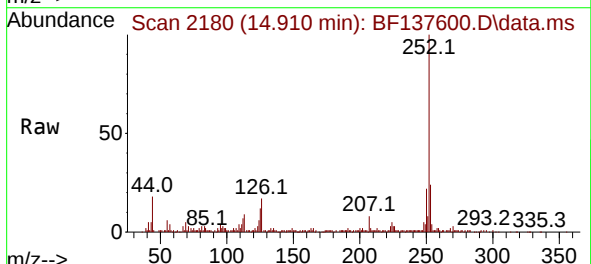
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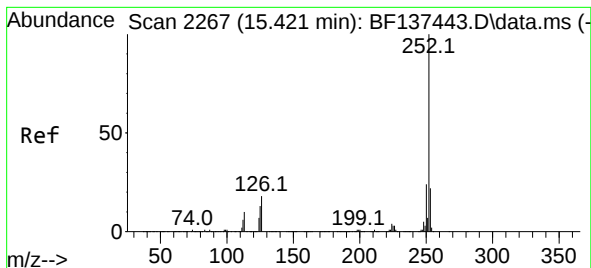
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#89
Benzo(k)fluoranthene
Concen: 2.044 ng m
RT: 14.910 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF137600.D
Acq: 14 Mar 2024 19:58

Tgt Ion:252 Resp: 50124
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 12.3 9.6 14.4





#90

Benzo(a)pyrene

Concen: 3.970 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

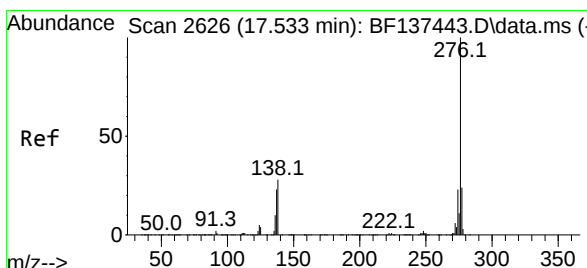
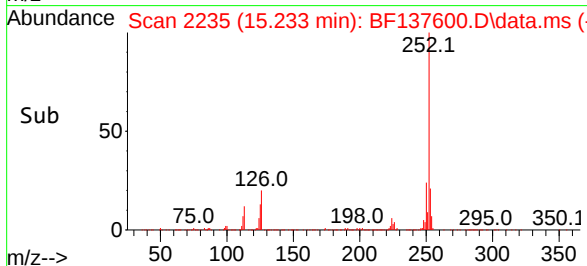
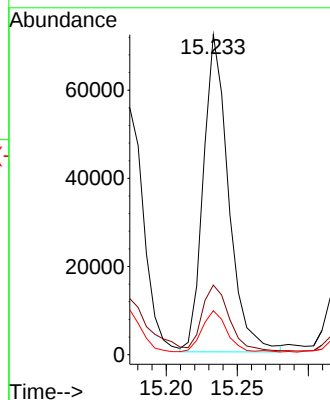
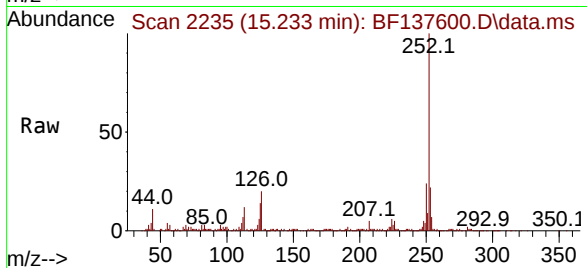
Tgt Ion: 252 Resp: 89320

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	13.8	10.4	15.6

Manual Integrations

APPROVED

Reviewed By : Jagrut Upadhyay 03/15/2024
Supervised By : mohammad ahmed 03/16/2024



#92

Benzo(g,h,i)perylene

Concen: 2.165 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF137600.D

Acq: 14 Mar 2024 19:58

Tgt Ion: 276 Resp: 45818

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	23.9	22.2	33.2

