

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137605.D
 Acq On : 14 Mar 2024 22:21
 Operator : CG\JU
 Sample : P1746-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Mar 15 02:04:54 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	127793	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	471558	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	241864	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	373516	20.000	ng	0.00
76) Chrysene-d12	13.874	240	319549	20.000	ng	0.00
86) Perylene-d12	15.298	264	319874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	886905	105.112	ng	0.00
7) Phenol-d6	6.363	99	1186292	97.400	ng	0.00
23) Nitrobenzene-d5	7.286	82	706037	69.568	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	197473	92.973	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1124871	72.802	ng	0.00
79) Terphenyl-d14	12.827	244	1065664	45.858	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.616	152	102986	4.768	ng	98
71) Phenanthrene	11.263	178	230936	11.361	ng	98
72) Anthracene	11.316	178	60859	2.915	ng	98
75) Fluoranthene	12.451	202	683728	34.411	ng	99
78) Pyrene	12.680	202	640157	20.416	ng	99
81) Benzo(a)anthracene	13.868	228	440972m	19.689	ng	
83) Chrysene	13.904	228	461387	20.383	ng	98
84) Bis(2-ethylhexyl)phtha...	13.863	149	22587m	2.219	ng	
87) Indeno(1,2,3-cd)pyrene	16.680	276	169868m	8.070	ng	
88) Benzo(b)fluoranthene	14.892	252	556029m	29.386	ng	
89) Benzo(k)fluoranthene	14.915	252	192091m	9.452	ng	
90) Benzo(a)pyrene	15.239	252	351118	18.830	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	43381m	2.540	ng	
92) Benzo(g,h,i)perylene	17.098	276	146155	8.334	ng	98

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

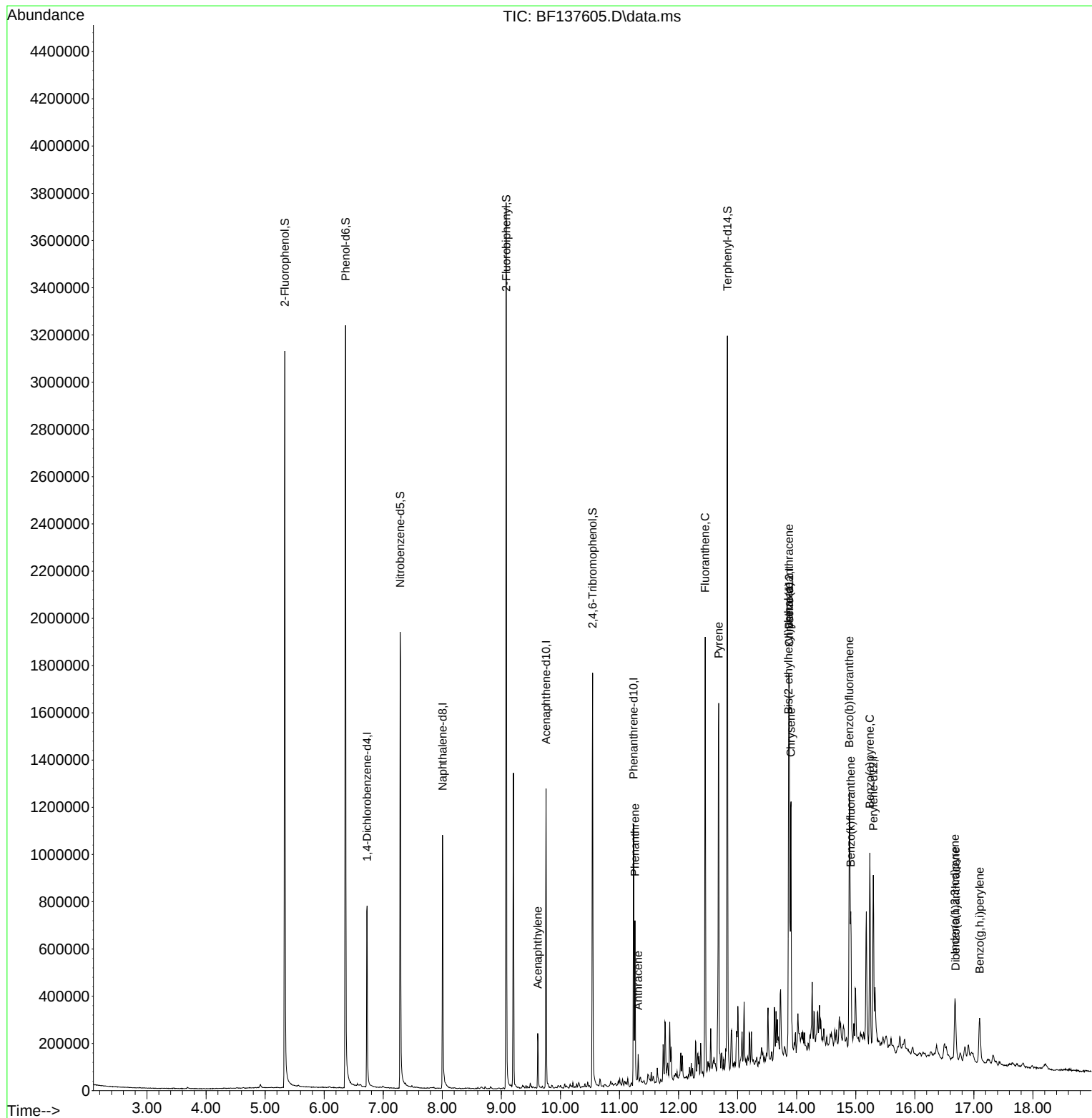
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137605.D
Acq On : 14 Mar 2024 22:21
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Sample : P1746-08
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ALS Vial : 18 Sample Multiplier: 1

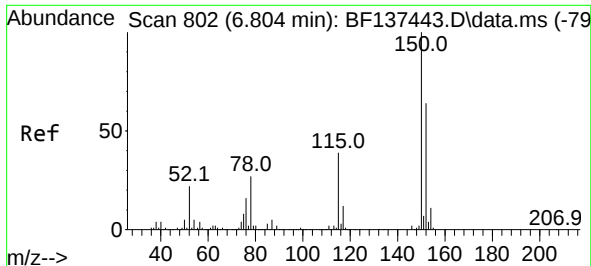
Instrument :
BNA_F
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SB-03-0-2.0

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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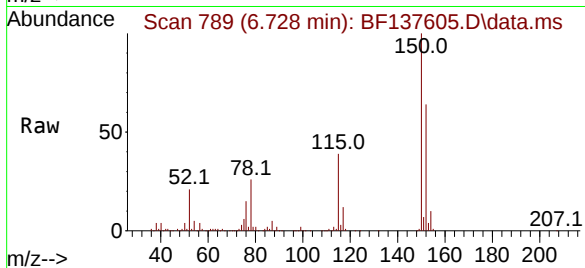
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

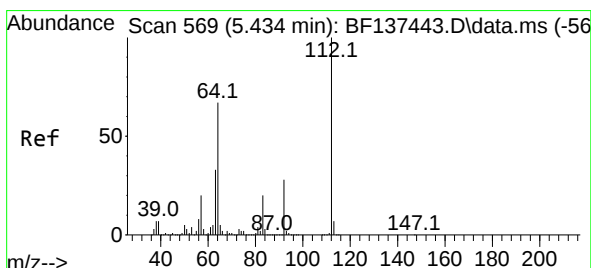
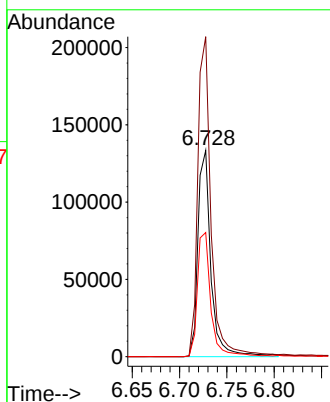
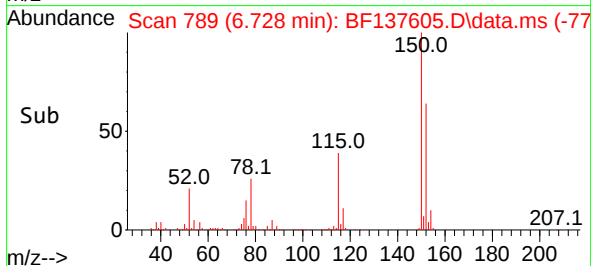


Tgt Ion:152 Resp: 12779
Ion Ratio Lower Upper
152 100
150 155.2 125.8 188.6
115 60.2 48.8 73.2

Manual Integrations

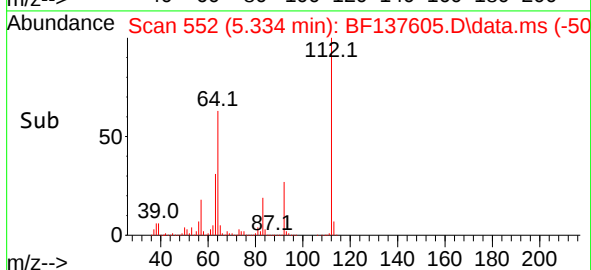
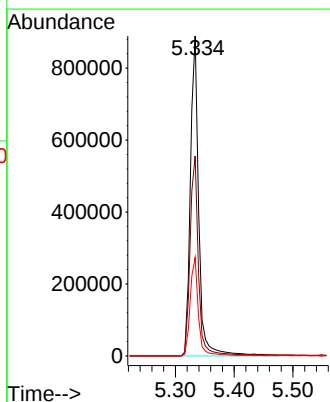
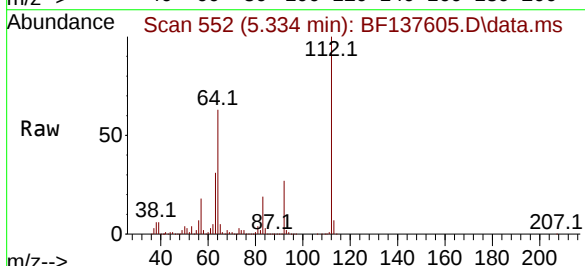
APPROVED

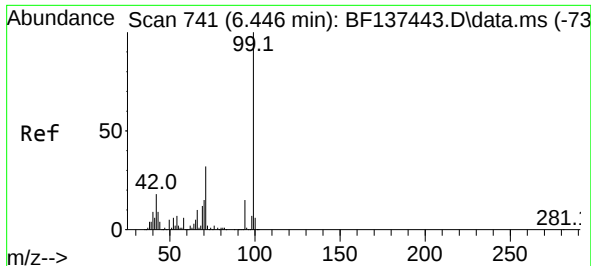
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#5
2-Fluorophenol
Concen: 105.112 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

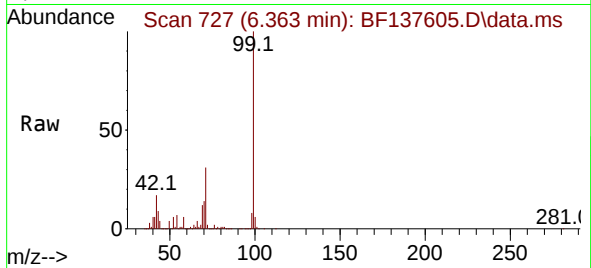
Tgt Ion:112 Resp: 886905
Ion Ratio Lower Upper
112 100
64 62.5 53.4 80.2
63 30.8 26.2 39.2





#7
Phenol-d6
Concen: 97.400 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

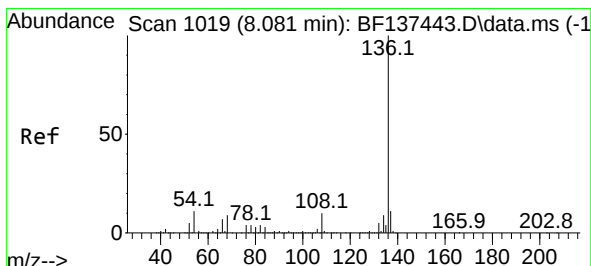
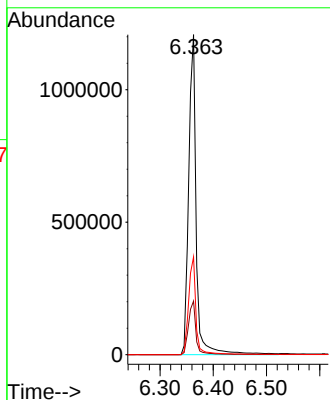
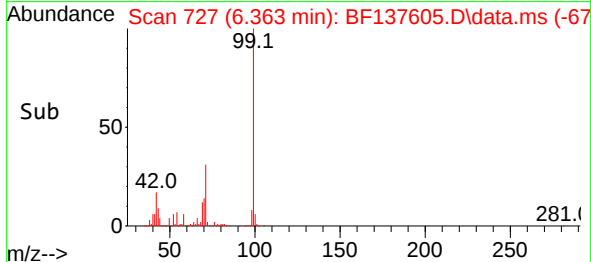
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



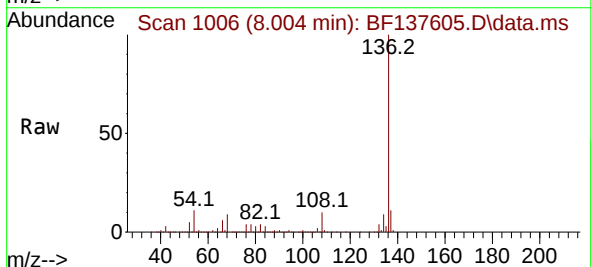
Tgt Ion: 99 Resp: 118629
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 30.5 25.3 37.9

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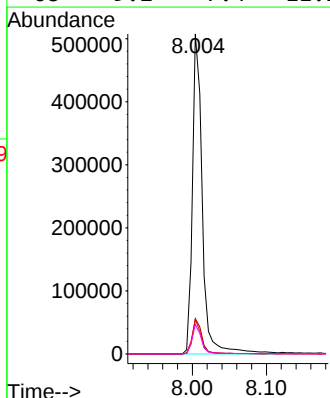
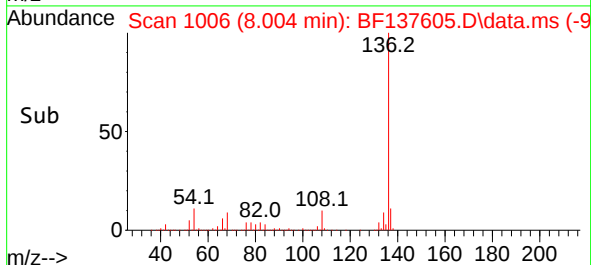
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

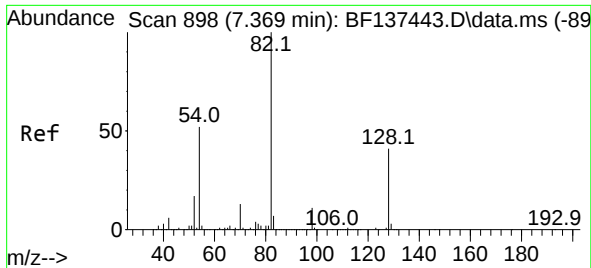


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21



Tgt Ion:136 Resp: 471558
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.7 8.5 12.7
68 9.2 7.4 11.2





#23

Nitrobenzene-d5

Concen: 69.568 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

Tgt Ion: 82 Resp: 70603

Ion Ratio Lower Upper

82 100

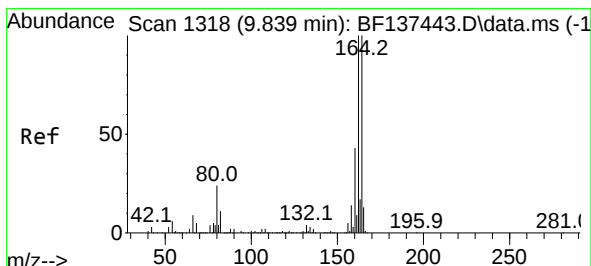
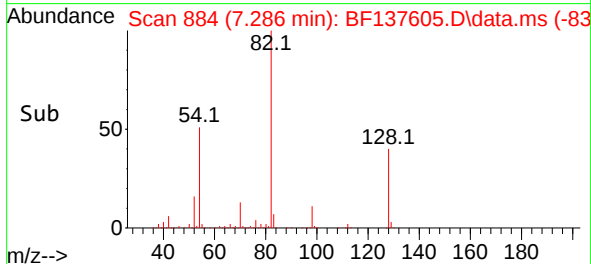
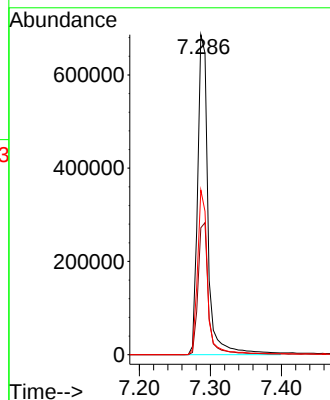
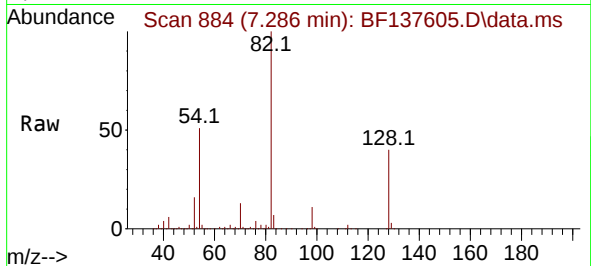
128 39.7 32.5 48.7

54 51.4 41.5 62.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/15/2024
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

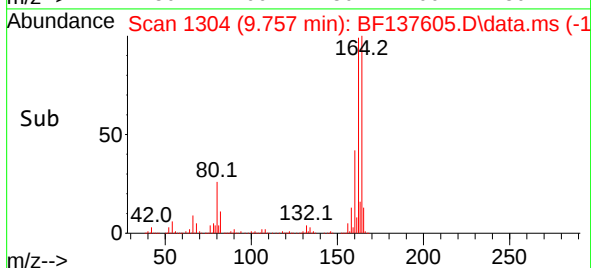
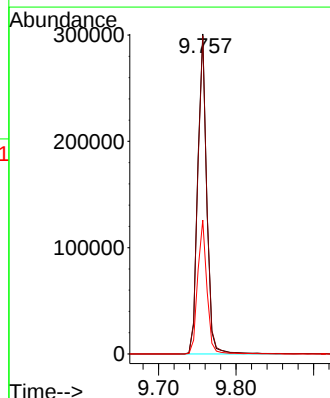
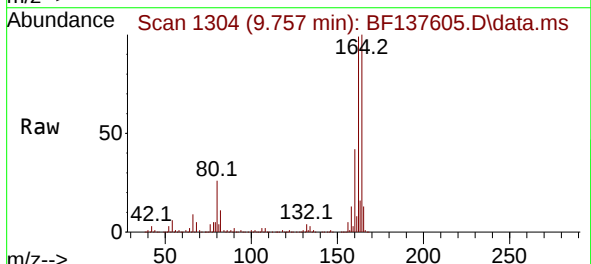
Tgt Ion:164 Resp: 241864

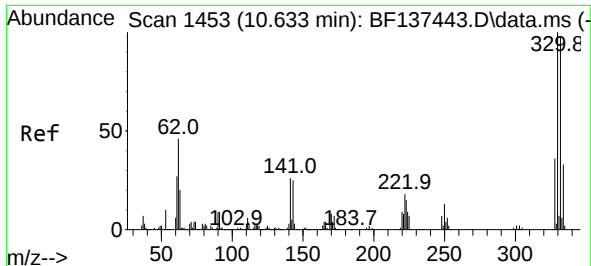
Ion Ratio Lower Upper

164 100

162 99.5 79.8 119.8

160 41.9 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 92.973 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

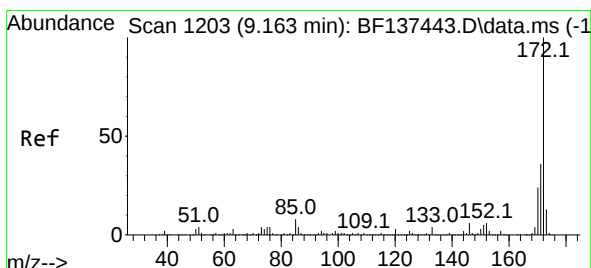
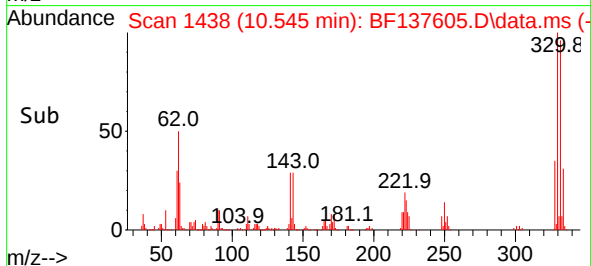
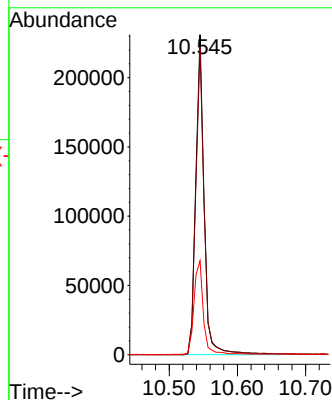
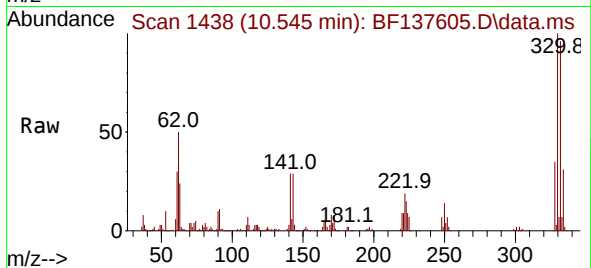
SB-03-0-2.0

Tgt Ion:330 Resp: 19747
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 32.5 27.3 40.9

Manual Integrations

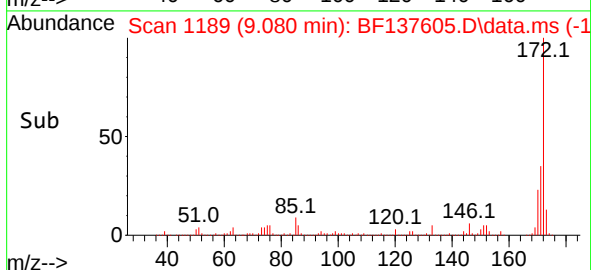
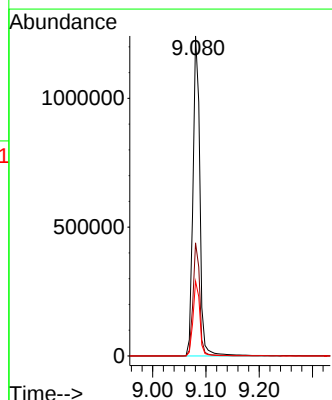
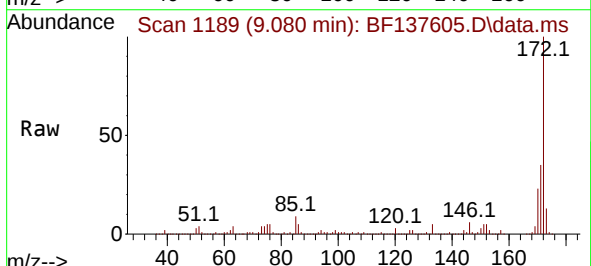
APPROVED

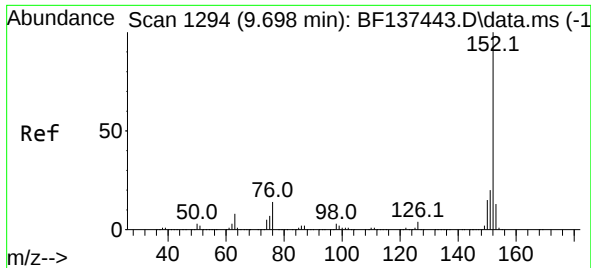
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#45
2-Fluorobiphenyl
Concen: 72.802 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:172 Resp: 1124871
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.4 19.0 28.6





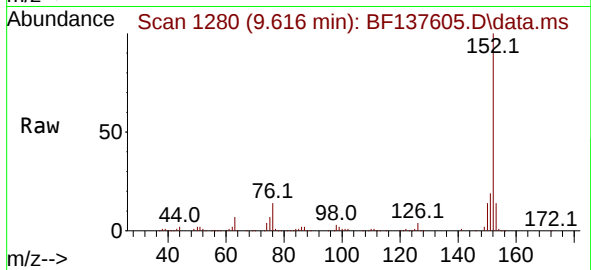
#49
Acenaphthylene
Concen: 4.768 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

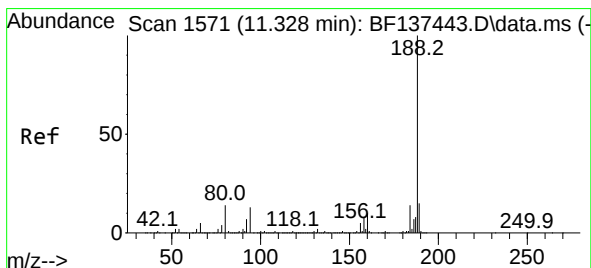
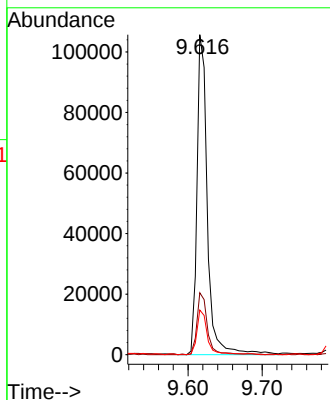
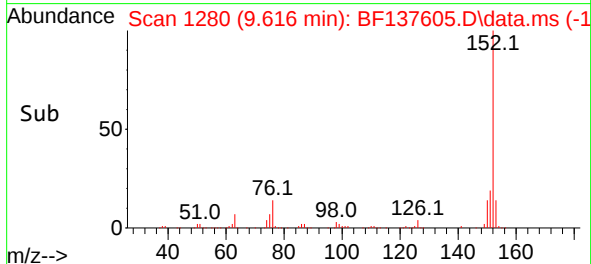


Tgt Ion:152 Resp: 102980
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 14.0 10.8 16.2

Manual Integrations

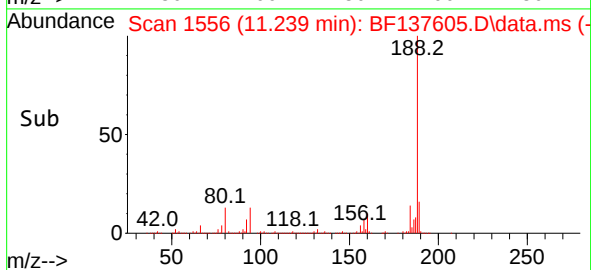
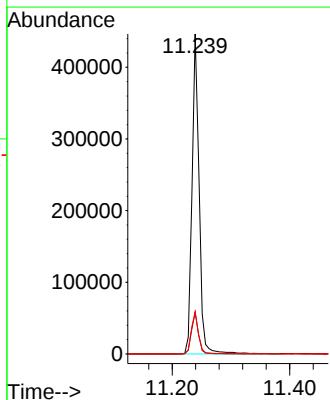
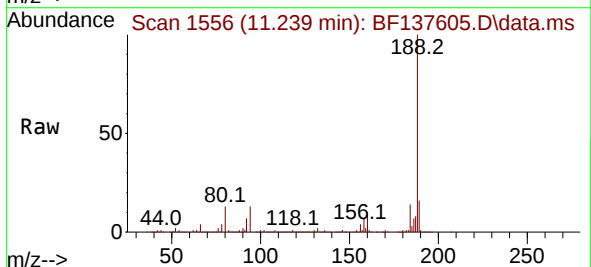
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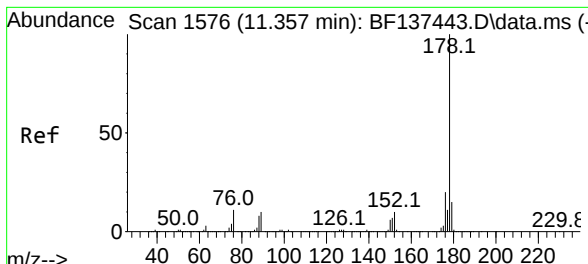
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:188 Resp: 373516
Ion Ratio Lower Upper
188 100
94 12.9 10.6 15.8
80 13.3 11.5 17.3





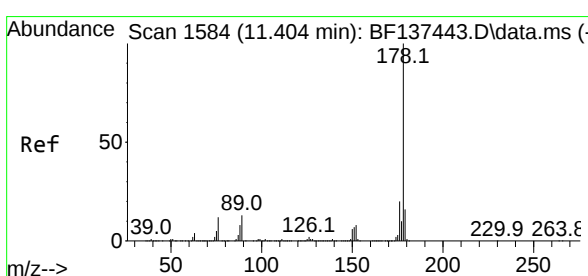
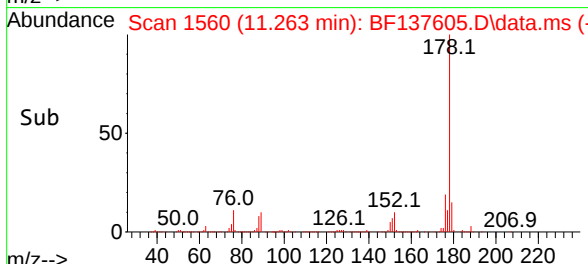
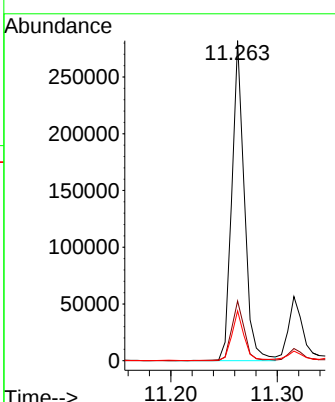
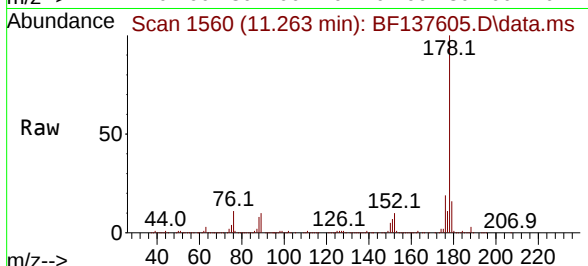
#71
 Phenanthrene
 Concen: 11.361 ng
 RT: 11.263 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137605.D
 Acq: 14 Mar 2024 22:21

Instrument : BNA_F
 ClientSampleId : SB-03-0-2.0

Tgt Ion:178 Resp: 230930

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.5	12.2	18.2

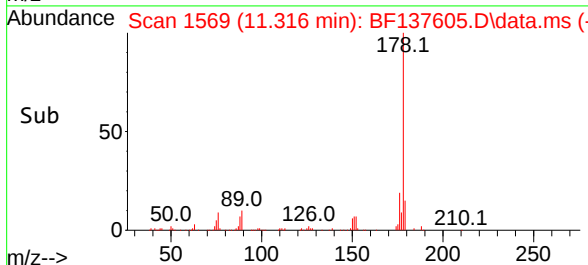
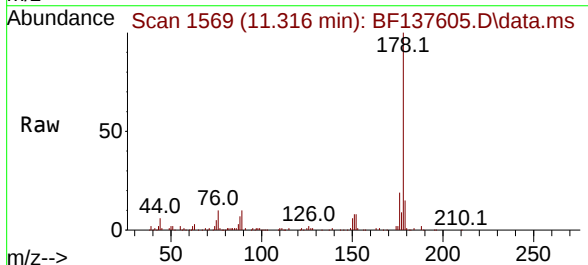
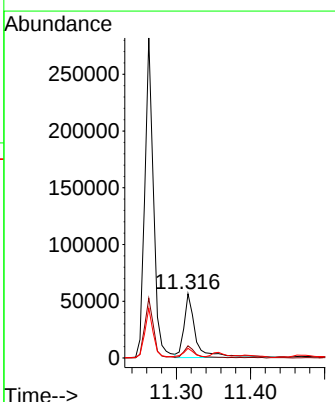
Manual Integrations
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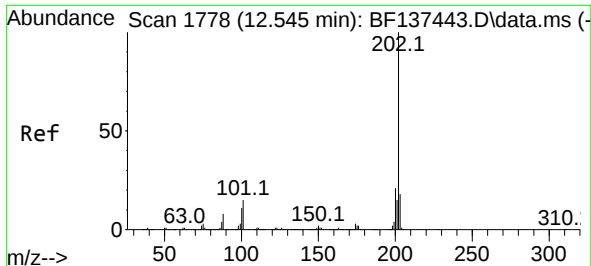


#72
 Anthracene
 Concen: 2.915 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF137605.D
 Acq: 14 Mar 2024 22:21

Tgt Ion:178 Resp: 60859

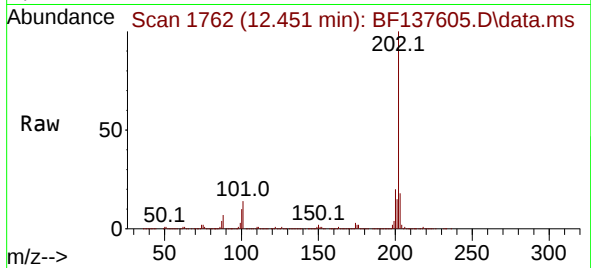
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.1	12.7	19.1





#75
Fluoranthene
Concen: 34.411 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

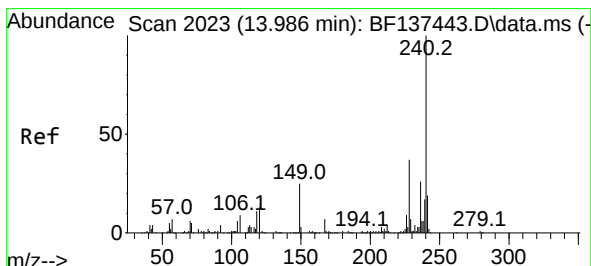
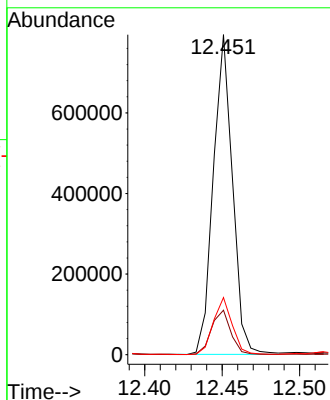
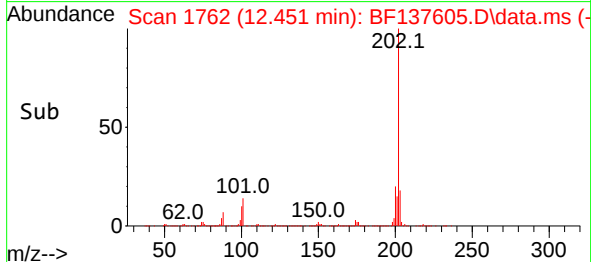
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



Tgt Ion:202 Resp: 683728
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.0
203 17.9 0.0 37.7

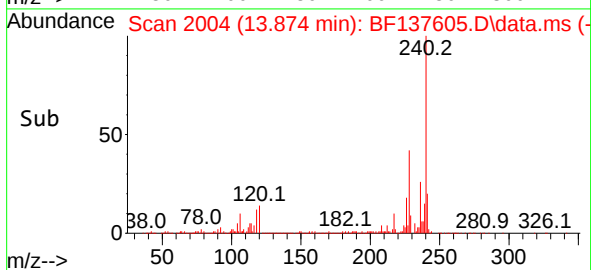
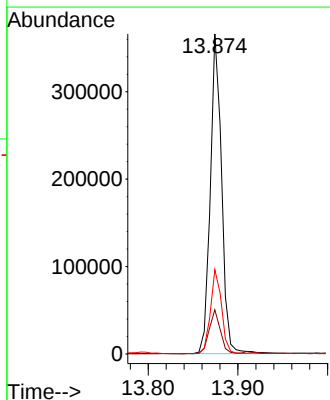
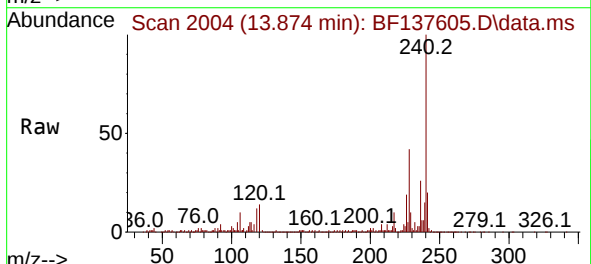
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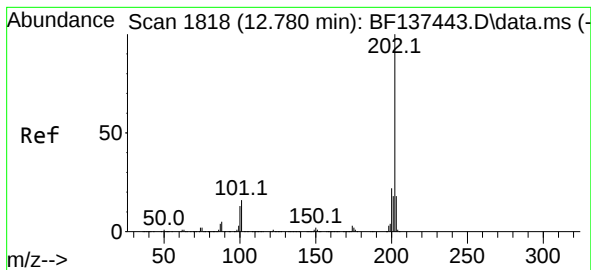
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:240 Resp: 319549
Ion Ratio Lower Upper
240 100
120 13.8 10.4 15.6
236 26.4 20.9 31.3





#78

Pyrene

Concen: 20.416 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

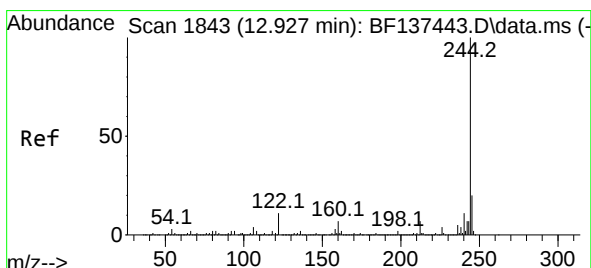
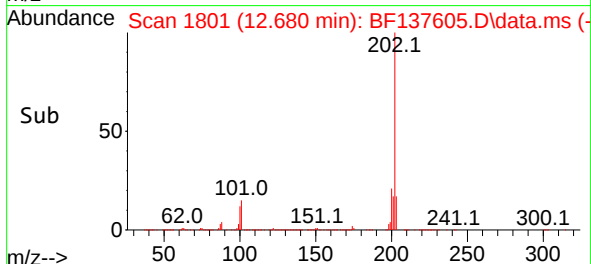
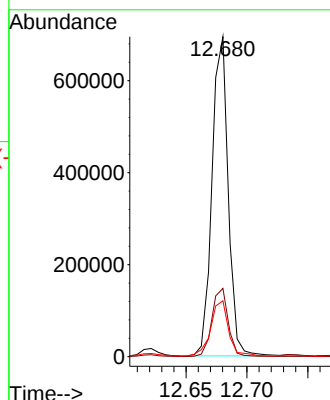
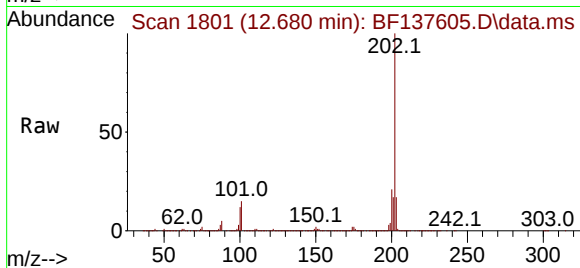
SB-03-0-2.0

Tgt Ion:	202	Resp:	64015
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.5	14.1	21.1

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



#79

Terphenyl-d14

Concen: 45.858 ng

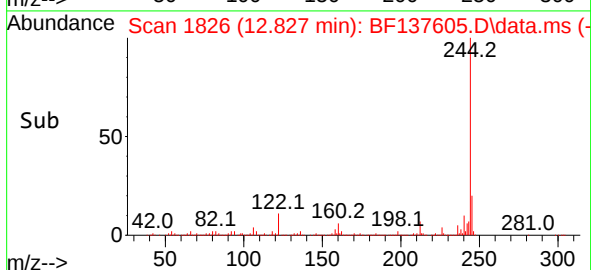
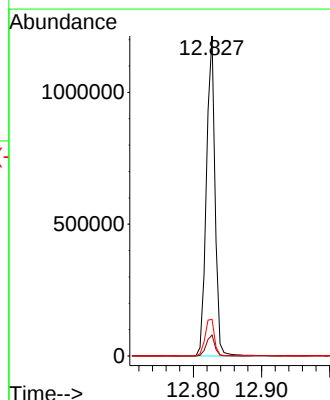
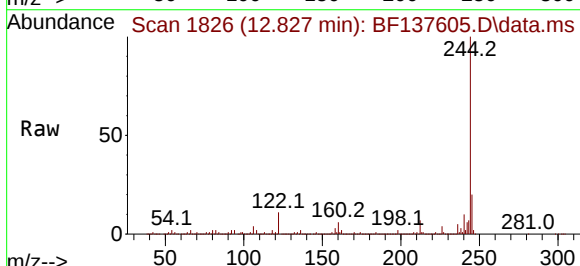
RT: 12.827 min Scan# 1826

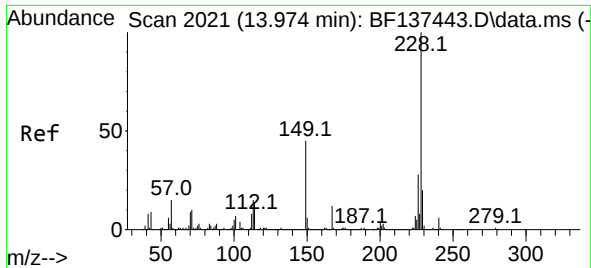
Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

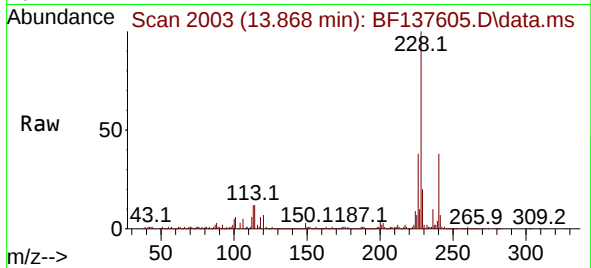
Tgt Ion:	244	Resp:	1065664
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.2
122	11.5	9.1	13.7





#81
Benzo(a)anthracene
Concen: 19.689 ng m
RT: 13.868 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

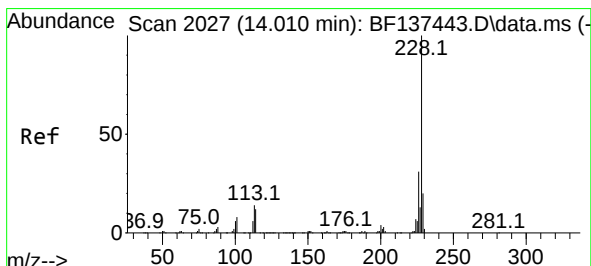
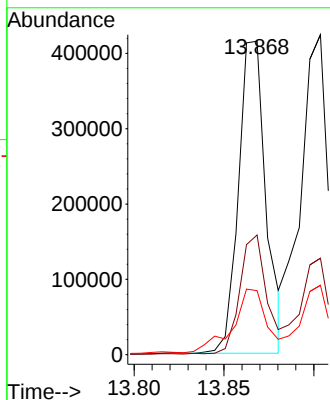
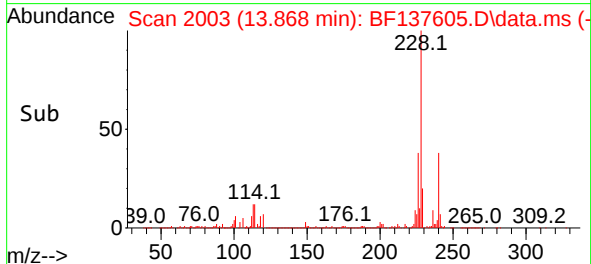
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



Tgt Ion:228 Resp: 440972
Ion Ratio Lower Upper
228 100
226 38.2 22.3 33.5
229 20.4 16.3 24.5

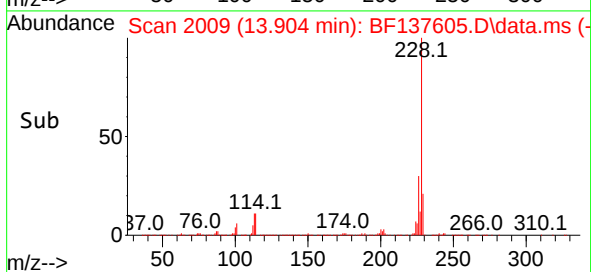
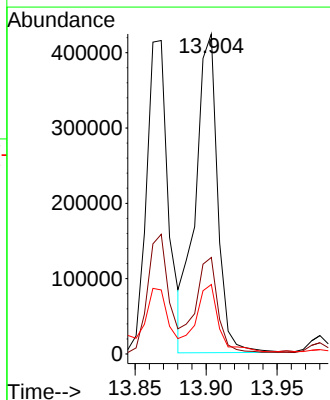
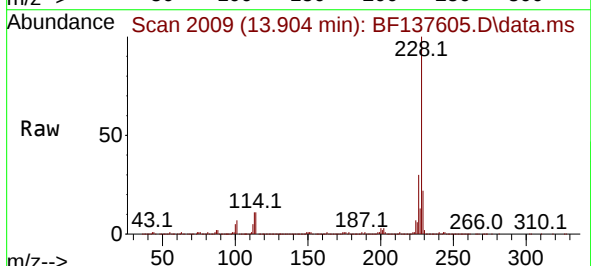
Manual Integrations
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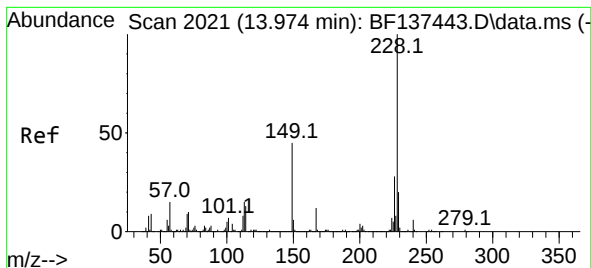
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#83
Chrysene
Concen: 20.383 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:228 Resp: 461387
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 21.7 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.219 ng m

RT: 13.863 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

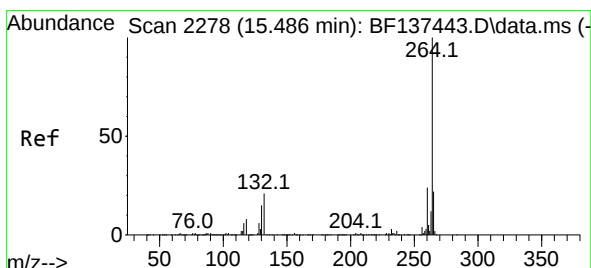
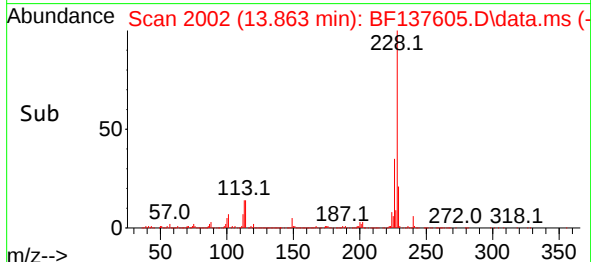
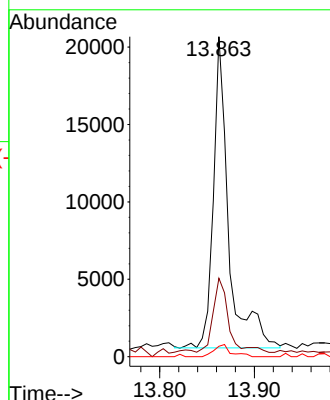
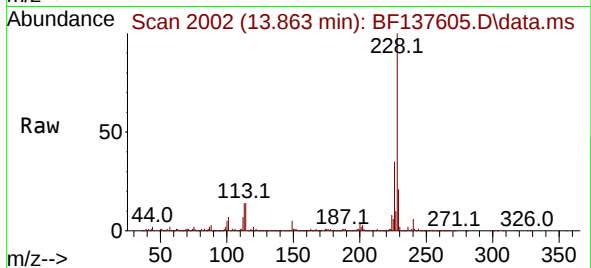
Tgt Ion:149 Resp: 2258

Ion	Ratio	Lower	Upper
149	100		
167	24.5	21.3	31.9
279	3.2	2.6	4.0

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

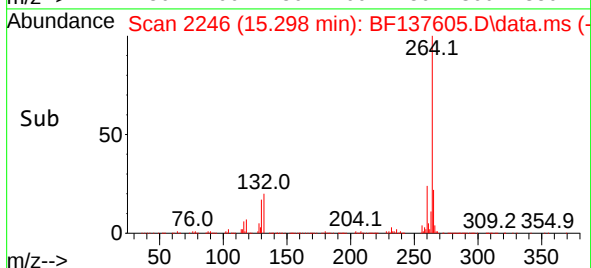
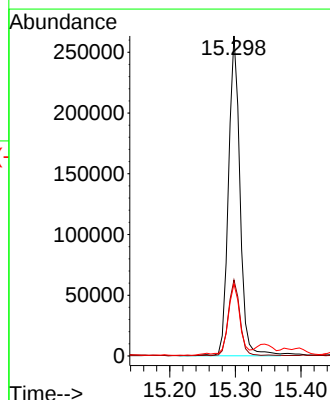
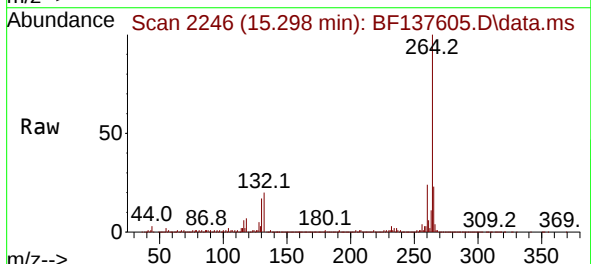
Delta R.T. -0.000 min

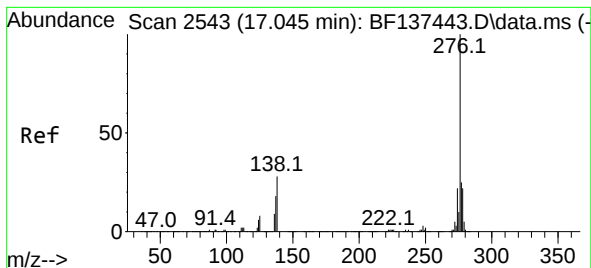
Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Tgt Ion:264 Resp: 319874

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





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.070 ng m

RT: 16.680 min Scan# 2481

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

Tgt Ion:276 Resp: 16986

Ion Ratio Lower Upper

276 100

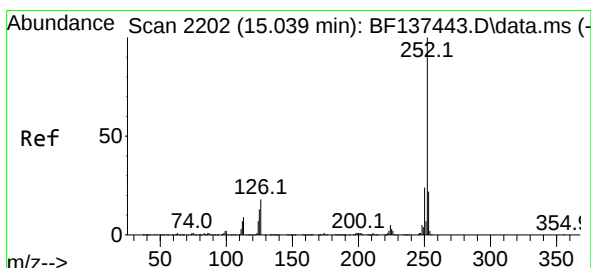
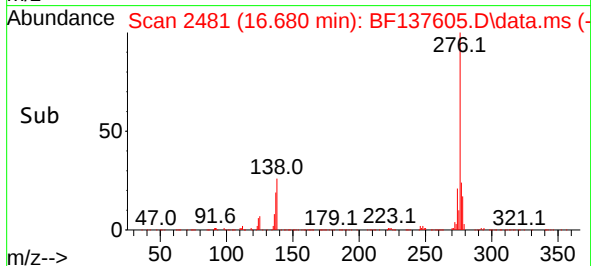
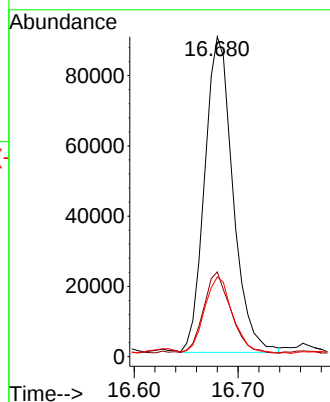
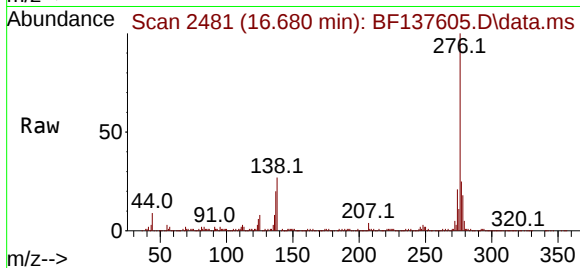
138 5.6 25.8 38.8

277 4.6 20.2 30.2

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 29.386 ng m

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

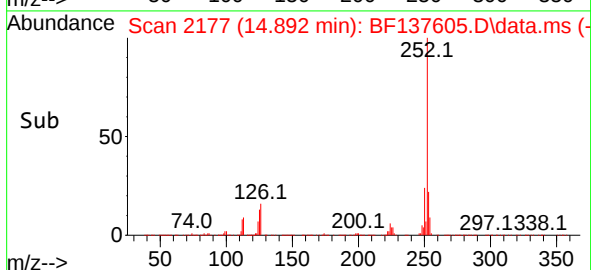
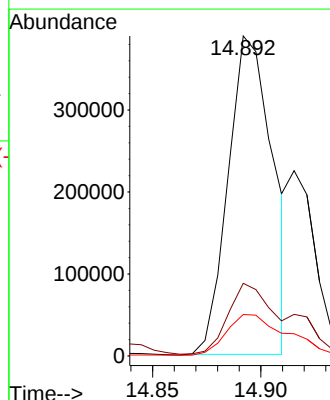
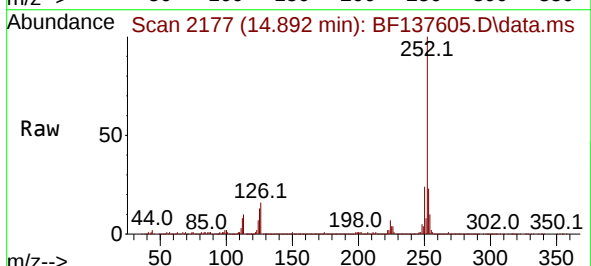
Tgt Ion:252 Resp: 556029

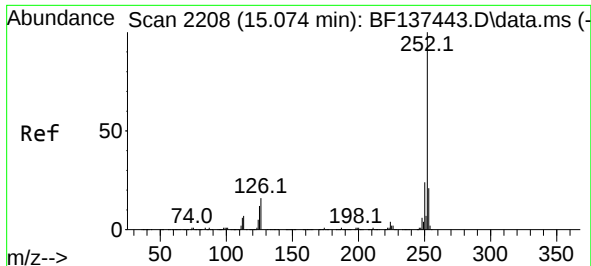
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 12.9 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 9.452 ng m

RT: 14.915 min Scan# 2181

Delta R.T. -0.006 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

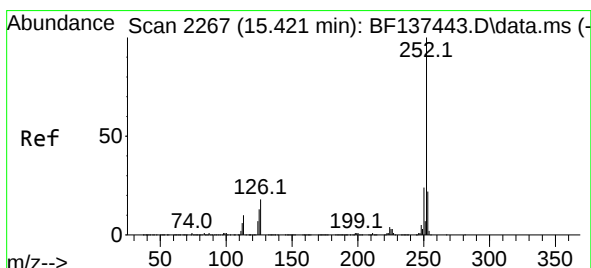
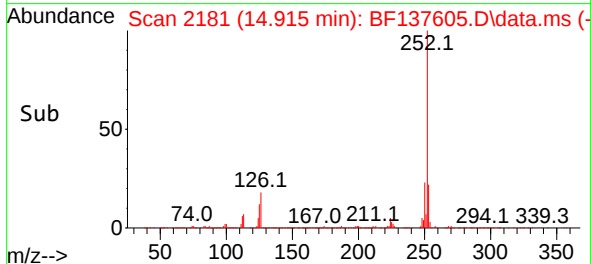
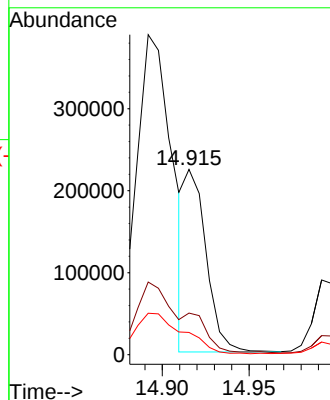
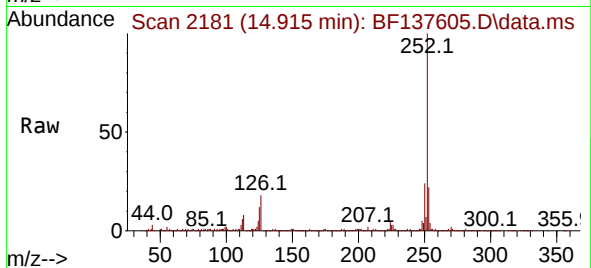
SB-03-0-2.0

Tgt Ion:252 Resp: 19209
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 12.0 9.6 14.4

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 18.830 ng

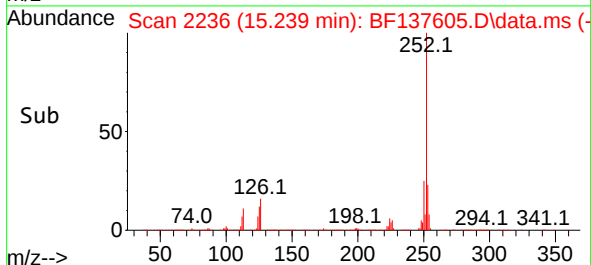
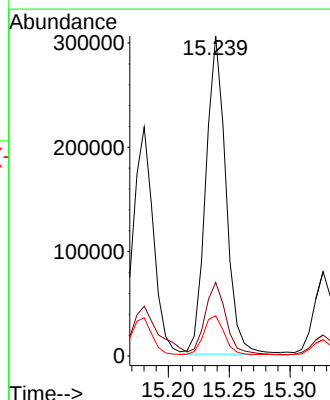
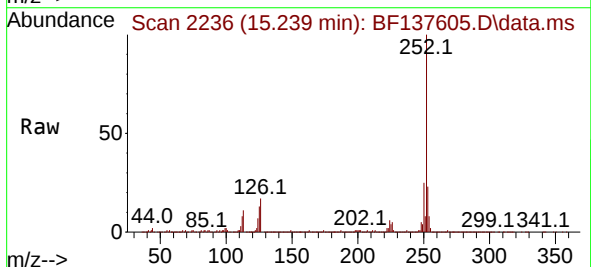
RT: 15.239 min Scan# 2236

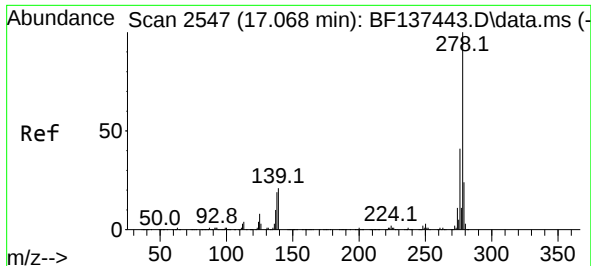
Delta R.T. -0.000 min

Lab File: BF137605.D

Acq: 14 Mar 2024 22:21

Tgt Ion:252 Resp: 351118
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.2
 125 12.5 10.4 15.6





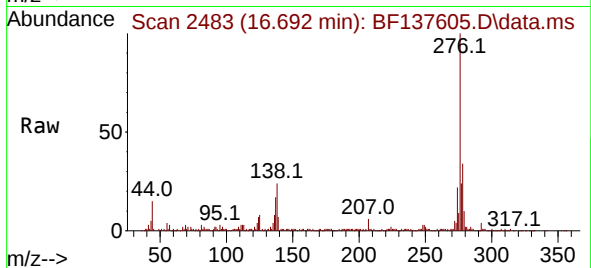
#91
Dibenzo(a,h)anthracene
Concen: 2.540 ng m
RT: 16.692 min Scan# 2483
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

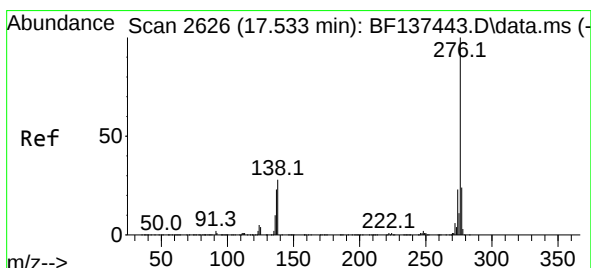
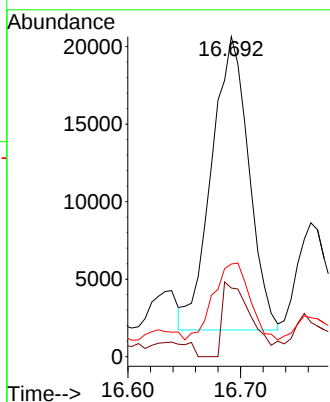
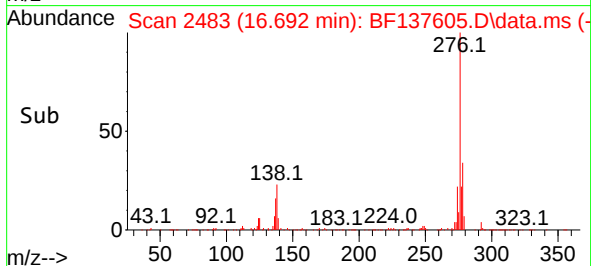


Tgt Ion:278 Resp: 4338
Ion Ratio Lower Upper
278 100
139 21.4 17.0 25.6
279 28.9 18.8 28.2

Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 8.334 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.006 min
Lab File: BF137605.D
Acq: 14 Mar 2024 22:21

Tgt Ion:276 Resp: 146155
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 25.5 22.2 33.2

