

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137674.D
 Acq On : 21 Mar 2024 21:53
 Operator : CG\JU
 Sample : P1817-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 01:44:59 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	122291	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	436467	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	199045	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	326758	20.000	ng	0.00
76) Chrysene-d12	13.880	240	277823	20.000	ng	0.00
86) Perylene-d12	15.304	264	219129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	746350	92.433	ng	0.00
7) Phenol-d6	6.363	99	976886	83.815	ng	0.00
23) Nitrobenzene-d5	7.287	82	573750	61.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	151033	86.405	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	843367	66.325	ng	0.00
79) Terphenyl-d14	12.827	244	850472	42.095	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.792	154	28602	2.695	ng	98
58) Fluorene	10.310	166	26964	2.172	ng	94
71) Phenanthrene	11.263	178	382915	21.533	ng	99
72) Anthracene	11.316	178	99892	5.469	ng	99
73) Carbazole	11.480	167	34562	2.209	ng	# 94
75) Fluoranthene	12.451	202	563886	32.440	ng	100
78) Pyrene	12.680	202	484558	17.775	ng	99
81) Benzo(a)anthracene	13.868	228	266645	13.694	ng	99
83) Chrysene	13.904	228	231714	11.774	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	71601	4.965	ng	94
88) Benzo(b)fluoranthene	14.898	252	238664m	18.412	ng	
89) Benzo(k)fluoranthene	14.921	252	64440m	4.628	ng	
90) Benzo(a)pyrene	15.245	252	146673	11.482	ng	99
92) Benzo(g,h,i)perylene	17.109	276	70069	5.833	ng	97

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

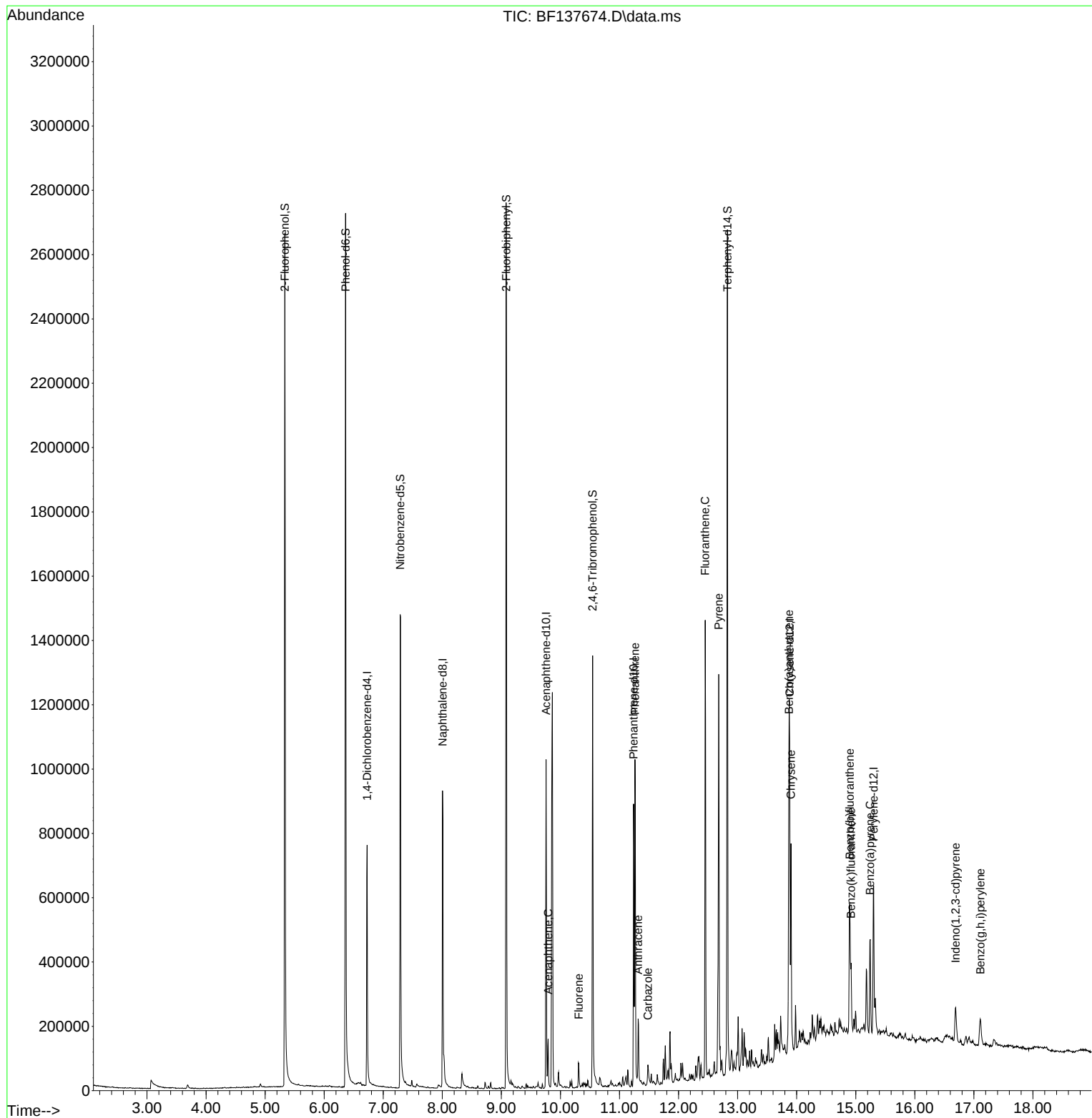
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
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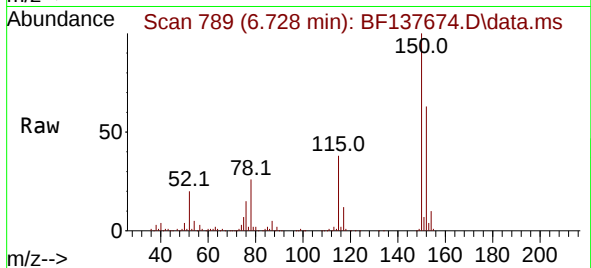
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

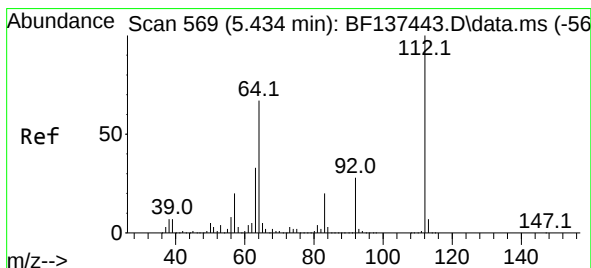
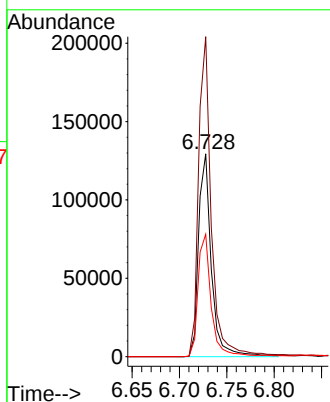
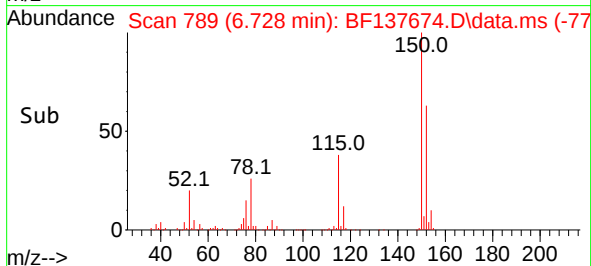


Tgt Ion:152 Resp: 12229
Ion Ratio Lower Upper
152 100
150 157.8 125.8 188.6
115 60.4 48.8 73.2

Manual Integrations

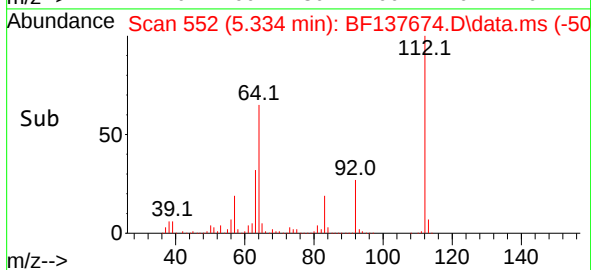
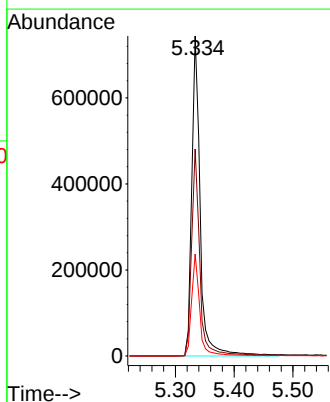
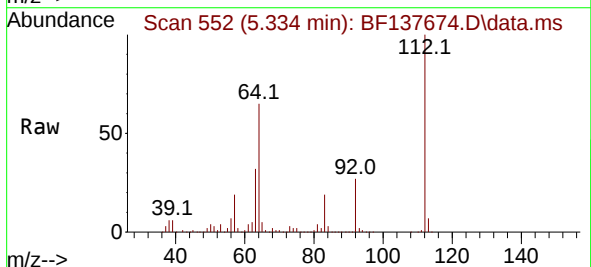
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#5
2-Fluorophenol
Concen: 92.433 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

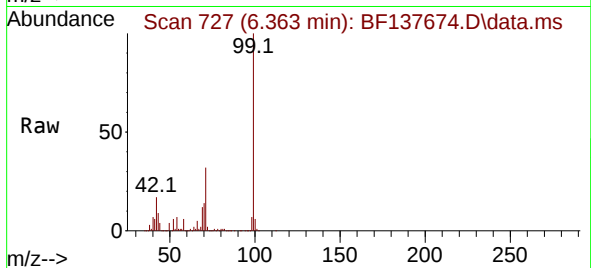
Tgt Ion:112 Resp: 746350
Ion Ratio Lower Upper
112 100
64 64.7 53.4 80.2
63 31.9 26.2 39.2





#7
Phenol-d6
Concen: 83.815 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

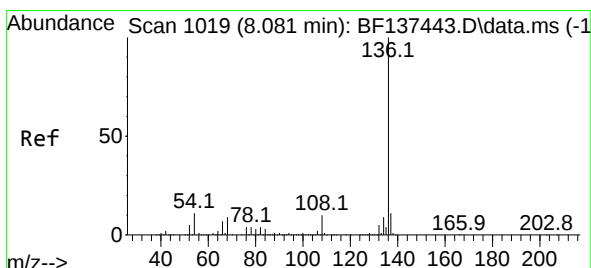
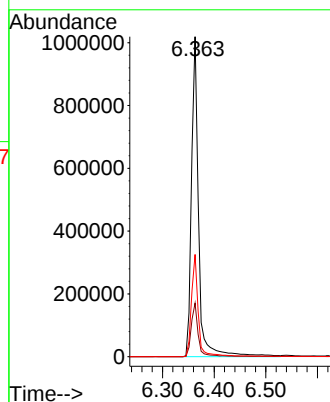
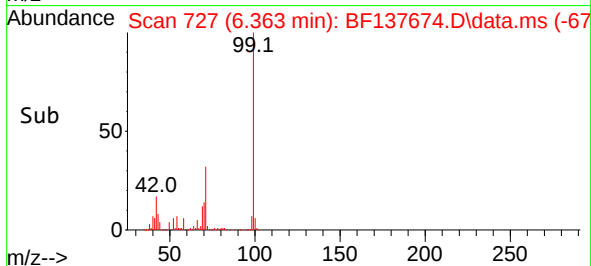
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion: 99 Resp: 976880
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 32.0 25.3 37.9

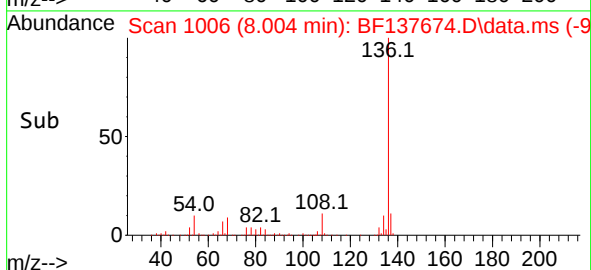
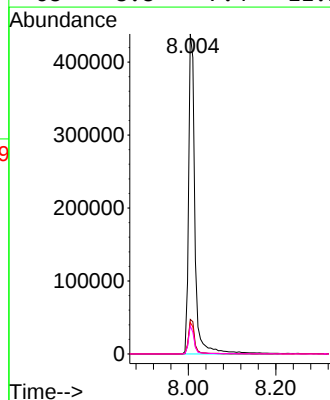
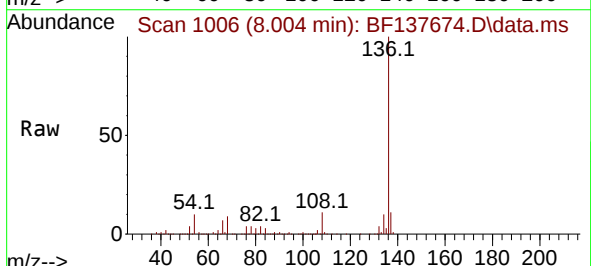
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Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:136 Resp: 436467
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.8 8.5 12.7
68 8.8 7.4 11.2





#23

Nitrobenzene-d5

Concen: 61.079 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

Tgt Ion: 82 Resp: 573750

Ion Ratio Lower Upper

82 100

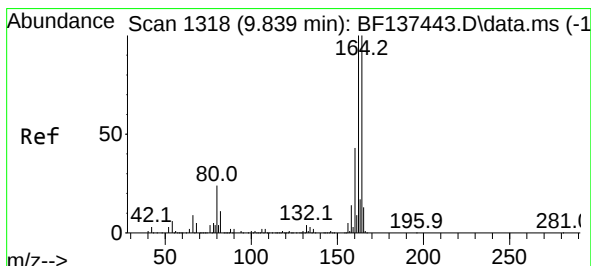
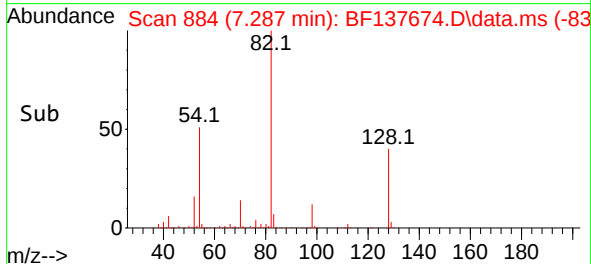
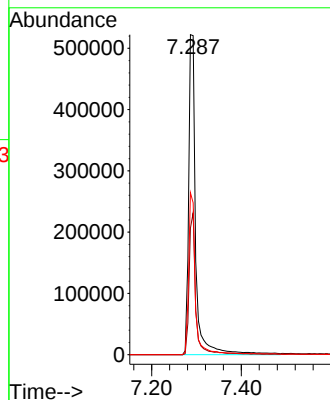
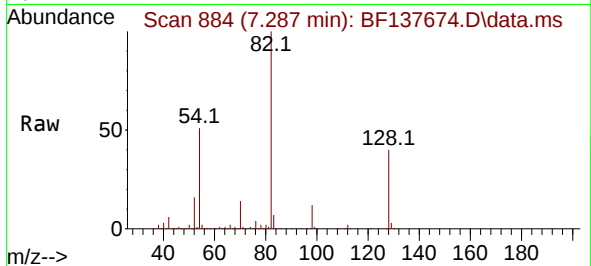
128 39.6 32.5 48.7

54 50.6 41.5 62.3

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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: BF137674.D

Acq: 21 Mar 2024 21:53

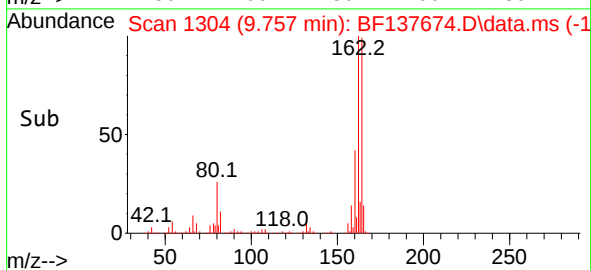
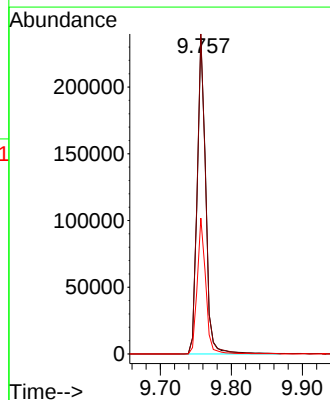
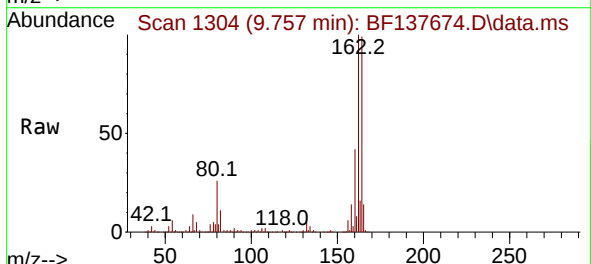
Tgt Ion:164 Resp: 199045

Ion Ratio Lower Upper

164 100

162 101.2 79.8 119.8

160 43.0 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 86.405 ng
RT: 10.545 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

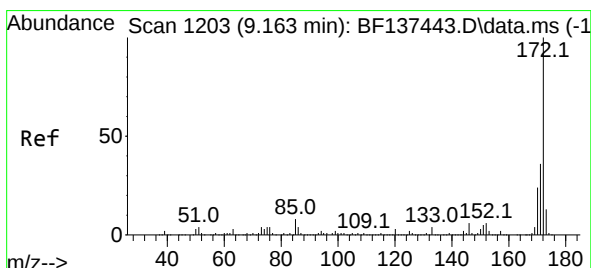
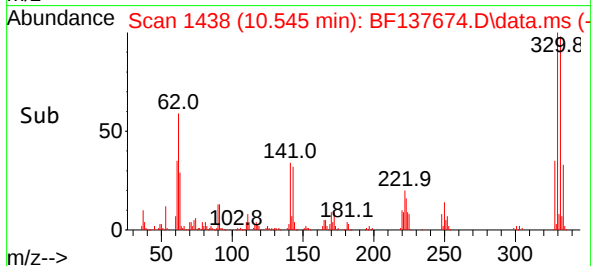
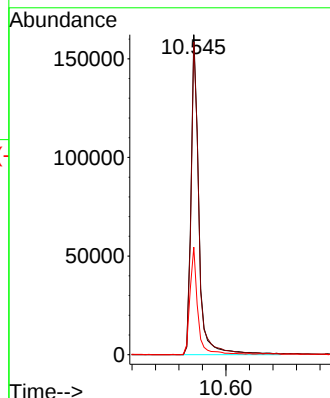
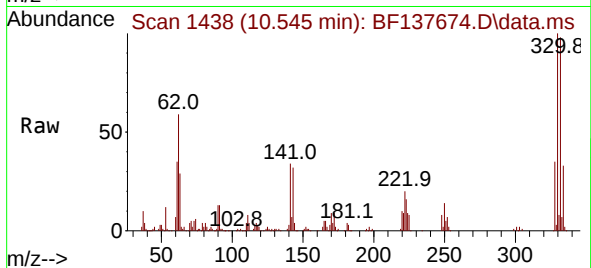
B-148-SB03

Tgt Ion:330 Resp: 15103
Ion Ratio Lower Upper
330 100
332 97.6 78.0 117.0
141 33.2 27.3 40.9

Manual Integrations

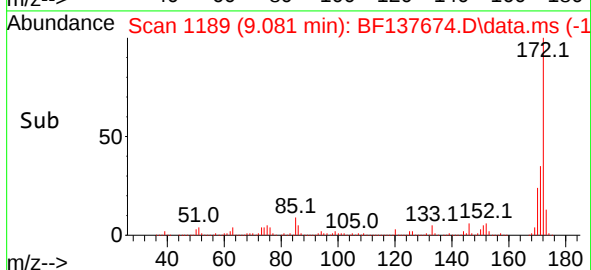
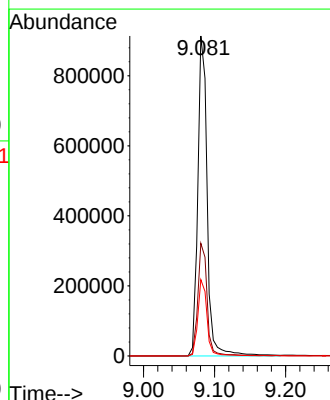
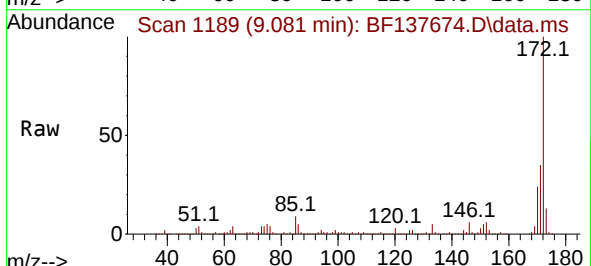
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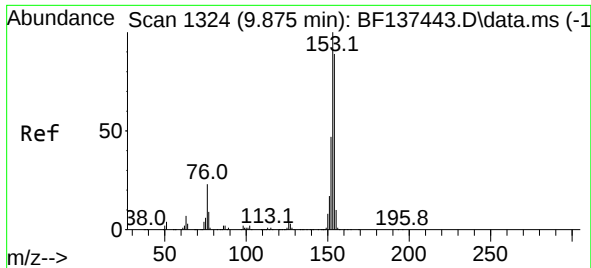
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 66.325 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:172 Resp: 843367
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.9 19.0 28.6





#52
Acenaphthene
Concen: 2.695 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

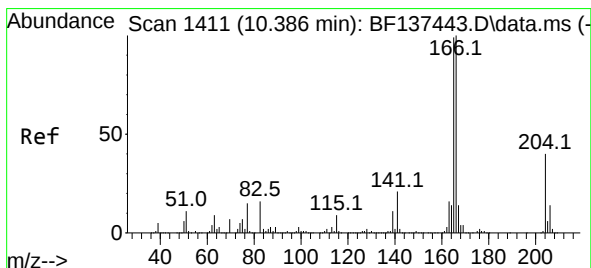
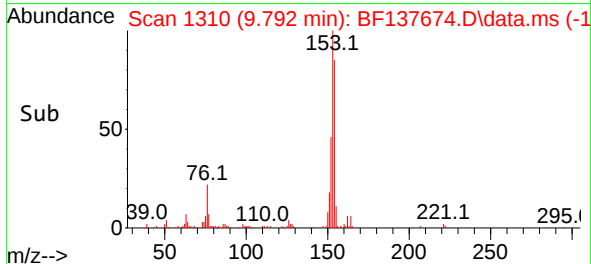
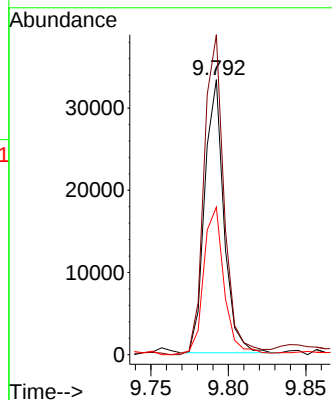
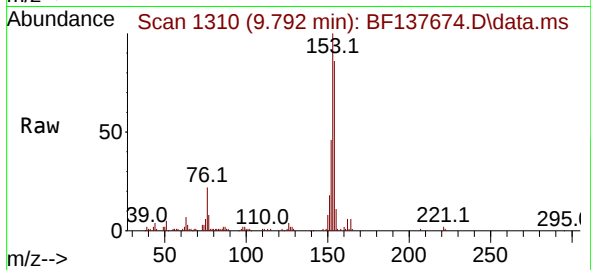
B-148-SB03

Tgt Ion:154 Resp: 2860
Ion Ratio Lower Upper
154 100
153 116.4 90.3 135.5
152 53.6 42.7 64.1

Manual Integrations

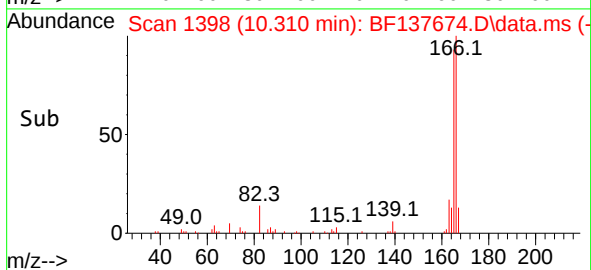
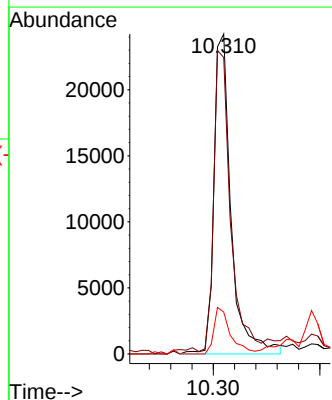
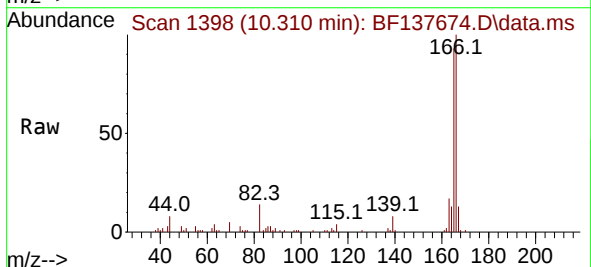
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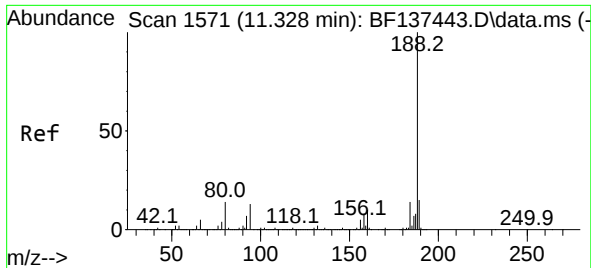
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#58
Fluorene
Concen: 2.172 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:166 Resp: 26964
Ion Ratio Lower Upper
166 100
165 92.6 79.2 118.8
167 13.1 11.0 16.6





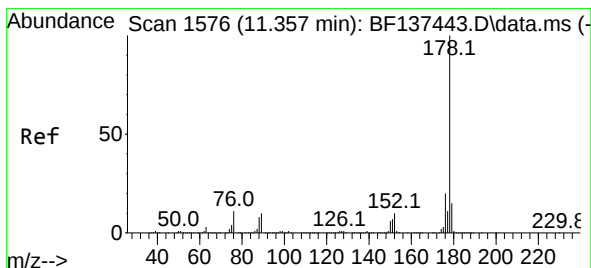
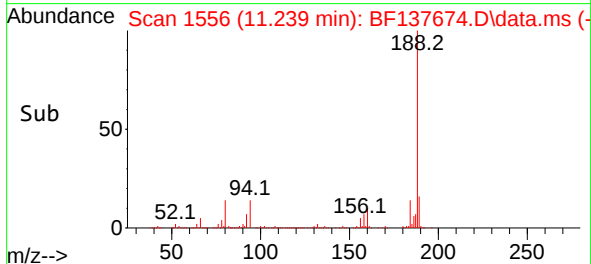
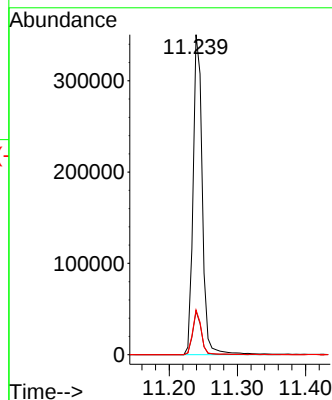
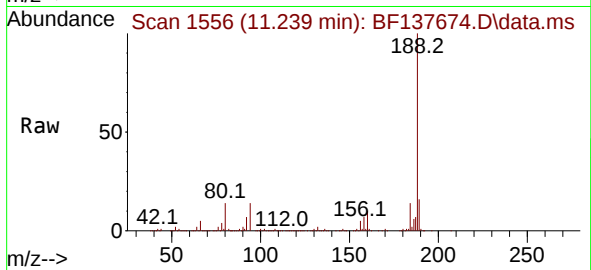
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :
BNA_F
ClientSampleId :
B-148-SB03

Tgt Ion:188 Resp: 326758
Ion Ratio Lower Upper
188 100
94 13.6 10.6 15.8
80 14.0 11.5 17.3

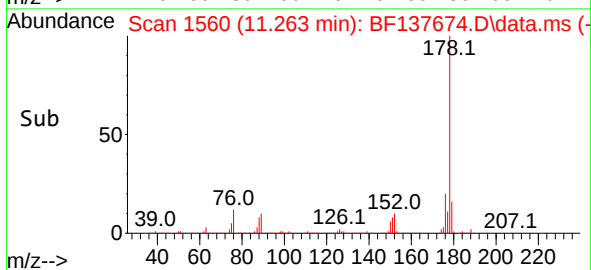
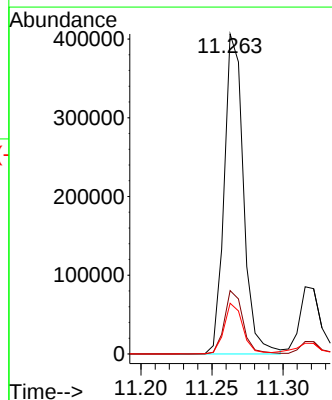
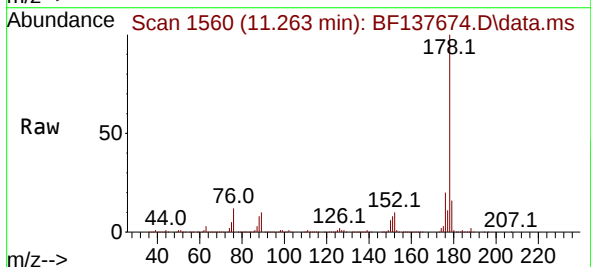
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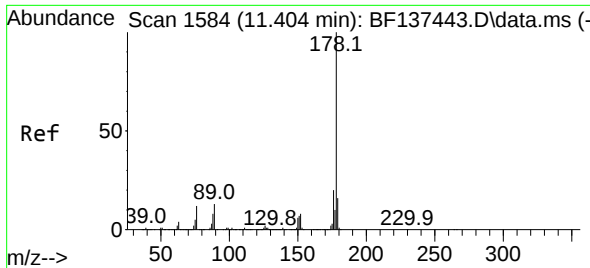
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#71
Phenanthrene
Concen: 21.533 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

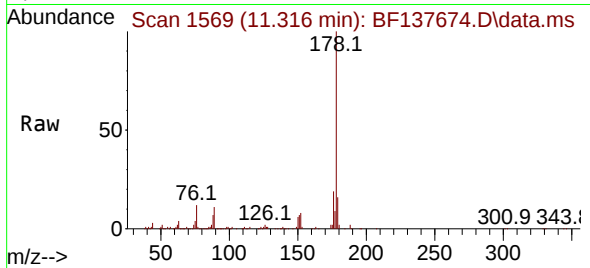
Tgt Ion:178 Resp: 382915
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.9 12.2 18.2





#72
 Anthracene
 Concen: 5.469 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF137674.D
 Acq: 21 Mar 2024 21:53

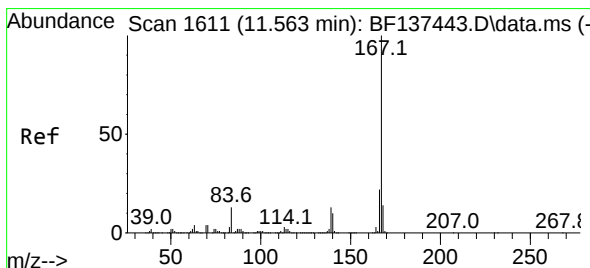
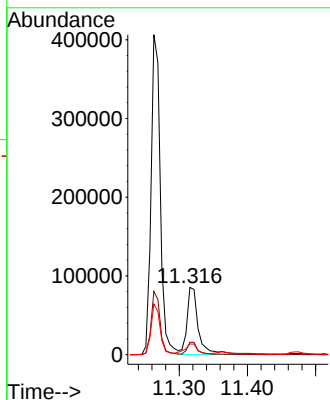
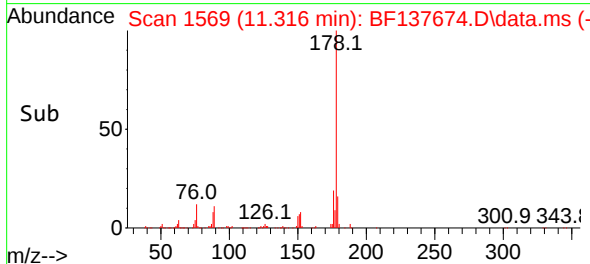
Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03



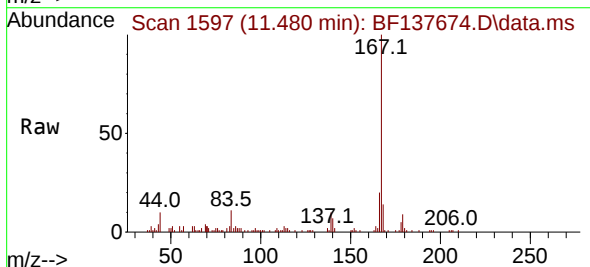
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 Ion Ratio Lower Upper
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 176 18.6 15.7 23.5
 179 16.0 12.7 19.1

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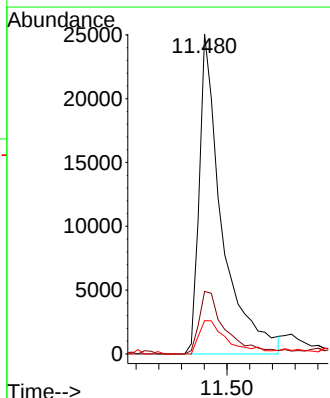
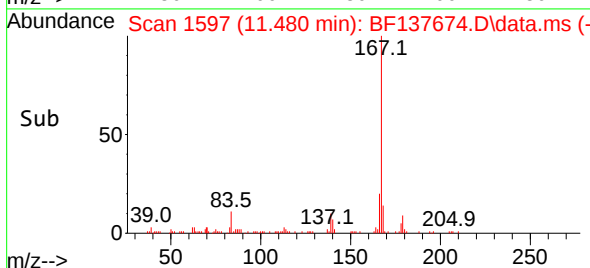
Reviewed By :Jagrut Upadhyay 03/22/2024
 Supervised By :mohammad ahmed 03/26/2024

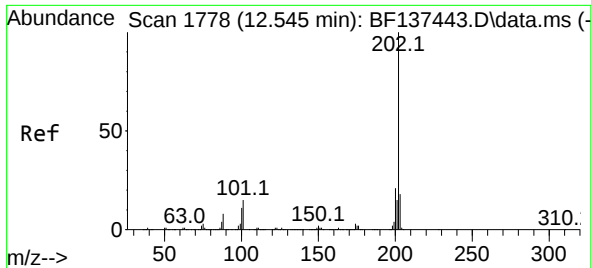


#73
 Carbazole
 Concen: 2.209 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. 0.006 min
 Lab File: BF137674.D
 Acq: 21 Mar 2024 21:53



Tgt Ion:167 Resp: 34562
 Ion Ratio Lower Upper
 167 100
 166 19.6 17.8 26.8
 139 10.4 10.5 15.7#





#75
Fluoranthene
Concen: 32.440 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

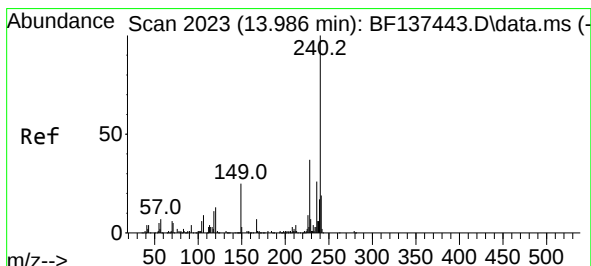
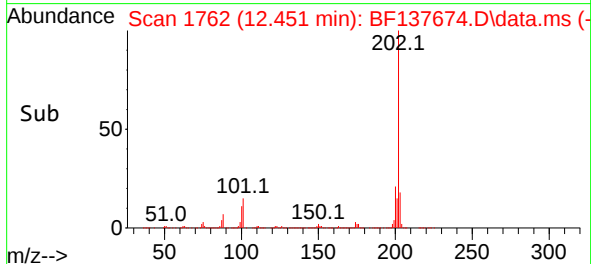
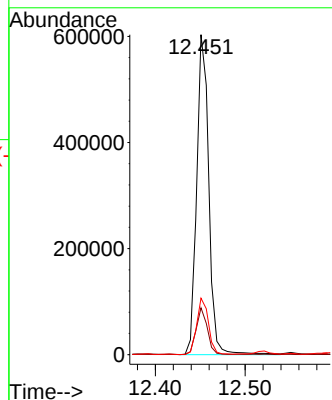
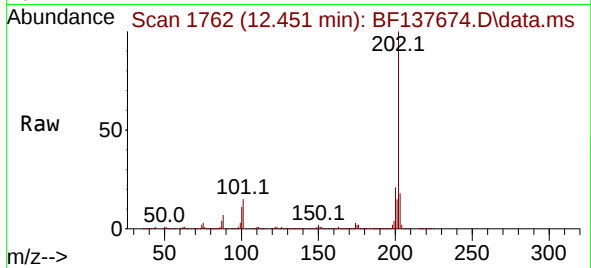
B-148-SB03

Tgt Ion:202 Resp: 56388
Ion Ratio Lower Upper
202 100
101 14.6 0.0 35.0
203 17.6 0.0 37.7

Manual Integrations

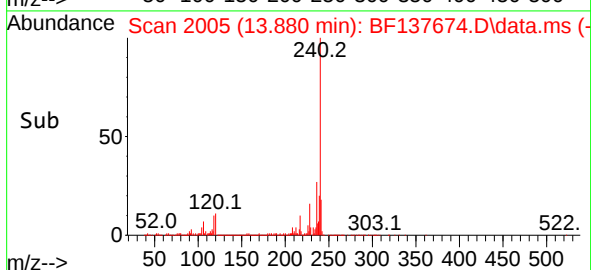
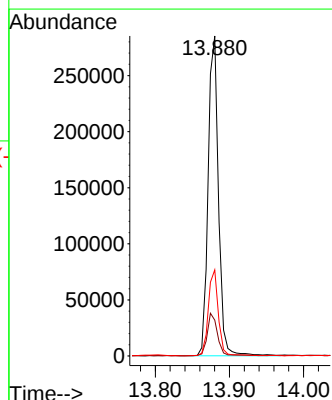
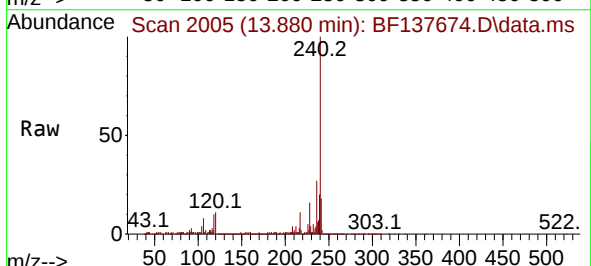
APPROVED

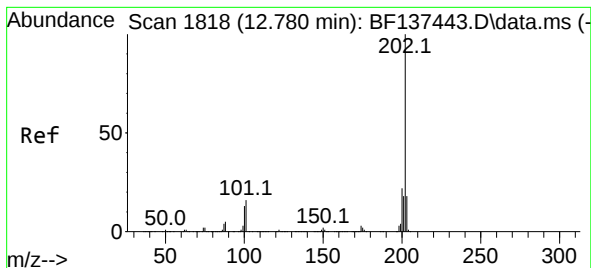
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:240 Resp: 277823
Ion Ratio Lower Upper
240 100
120 11.2 10.4 15.6
236 26.9 20.9 31.3





#78

Pyrene

Concen: 17.775 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

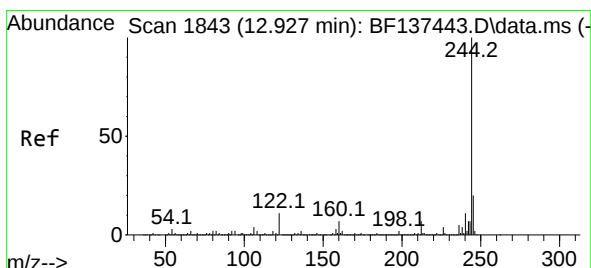
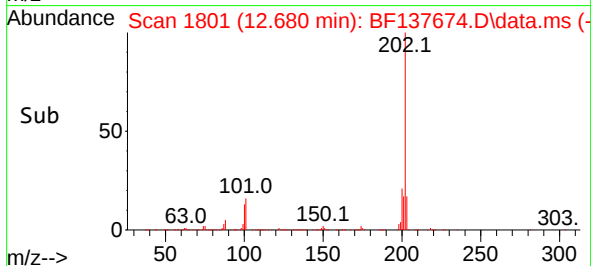
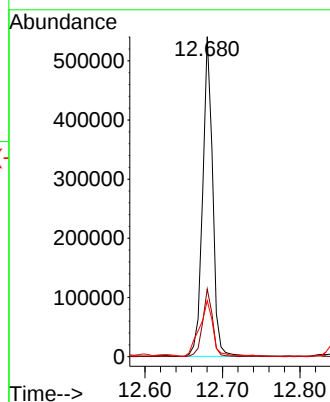
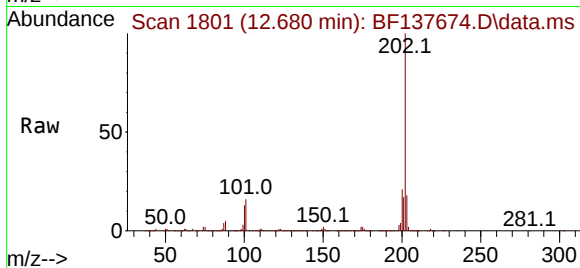
Tgt Ion:202 Resp: 484558

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	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: 42.095 ng

RT: 12.827 min Scan# 1826

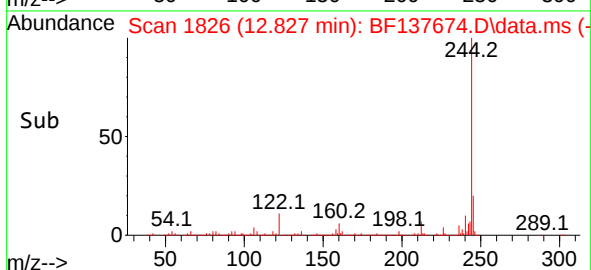
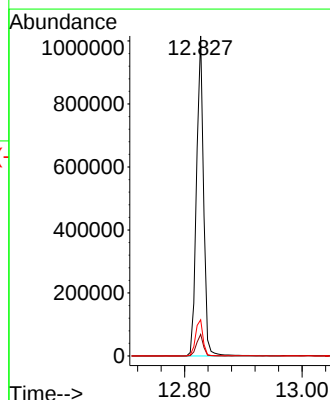
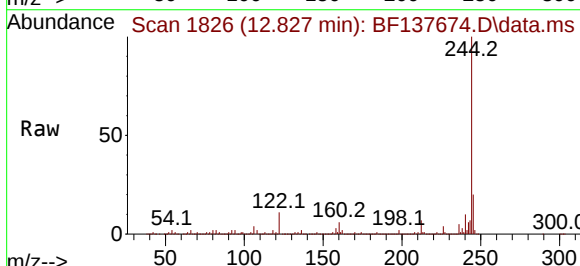
Delta R.T. -0.000 min

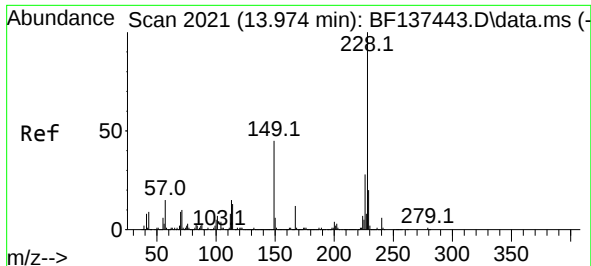
Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Tgt Ion:244 Resp: 850472

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.3	9.1	13.7





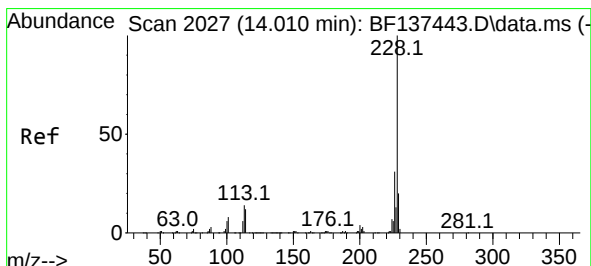
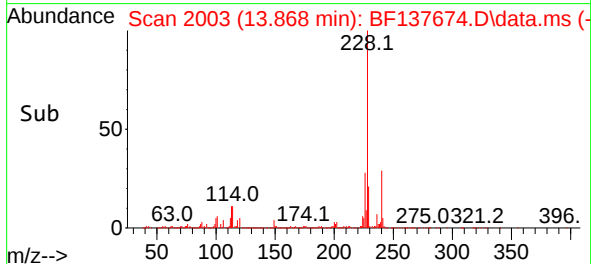
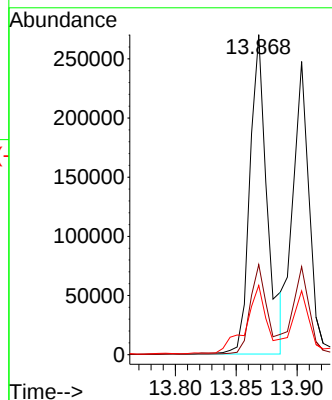
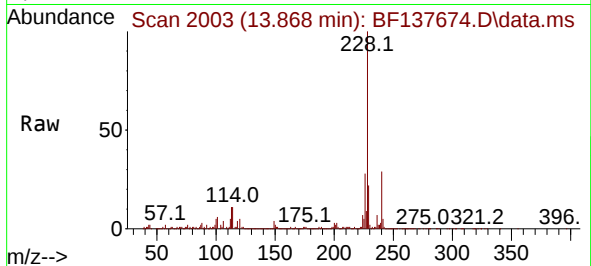
#81
Benzo(a)anthracene
Concen: 13.694 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Instrument :
BNA_F
ClientSampleId :
B-148-SB03

Tgt Ion:228 Resp: 26664
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 21.7 16.3 24.5

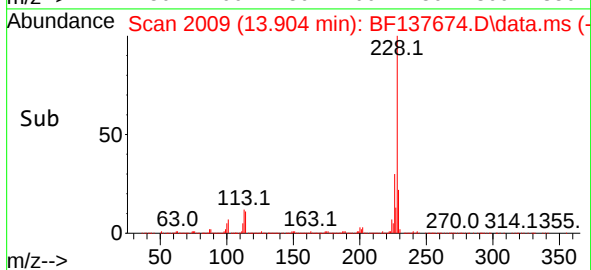
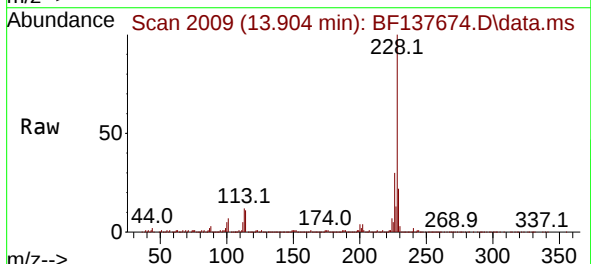
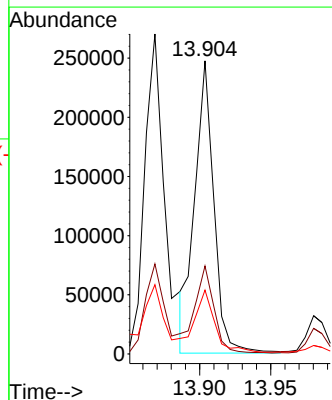
Manual Integrations
APPROVED

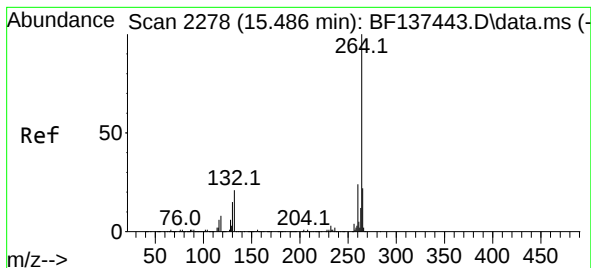
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#83
Chrysene
Concen: 11.774 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:228 Resp: 231714
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 21.8 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: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNA_F

ClientSampleId :

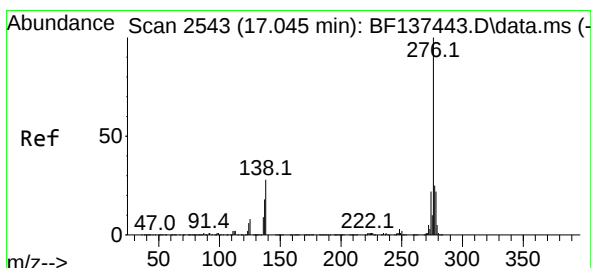
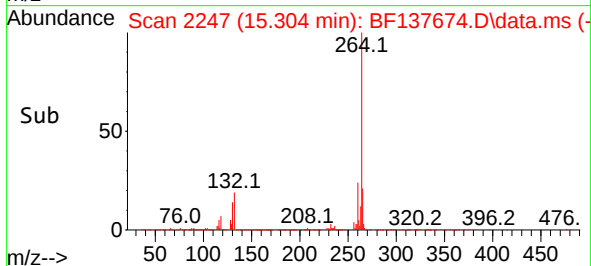
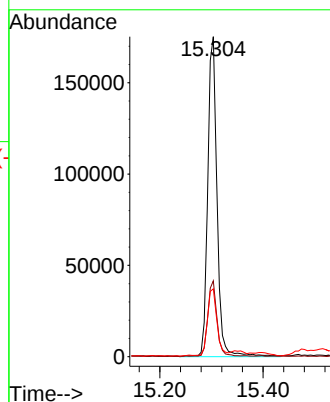
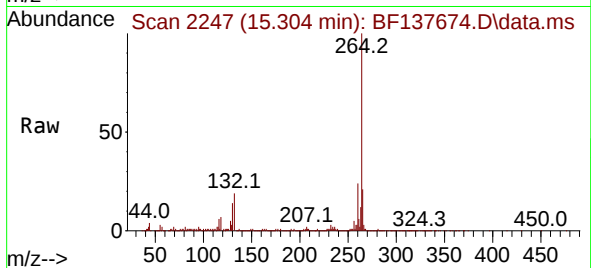
B-148-SB03

Tgt Ion:	264	Resp:	219129
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.3	28.9
265	21.2	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: 4.965 ng

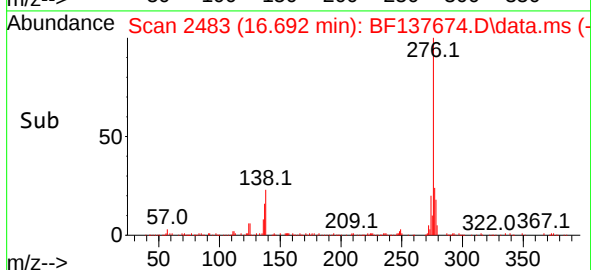
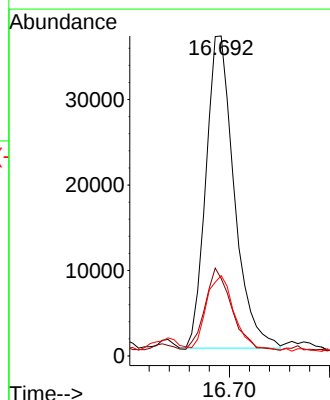
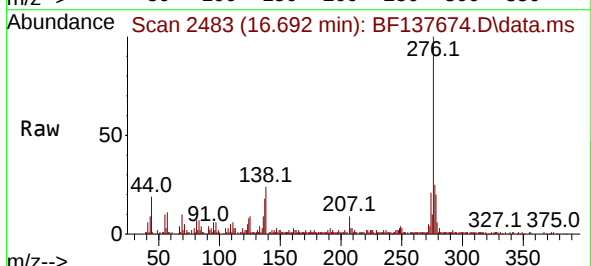
RT: 16.692 min Scan# 2483

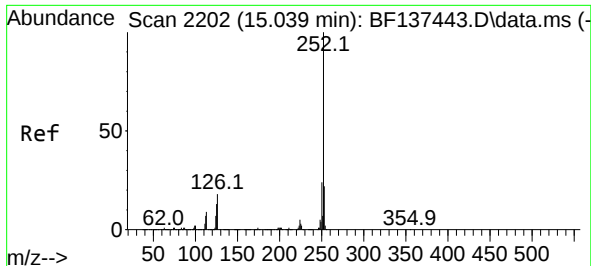
Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

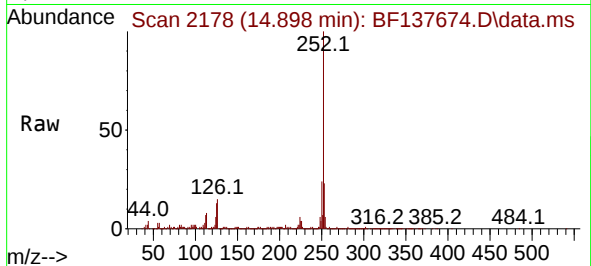
Tgt Ion:	276	Resp:	71601
Ion Ratio	Lower	Upper	
276	100		
138	27.2	25.8	38.8
277	24.5	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 18.412 ng m
RT: 14.898 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

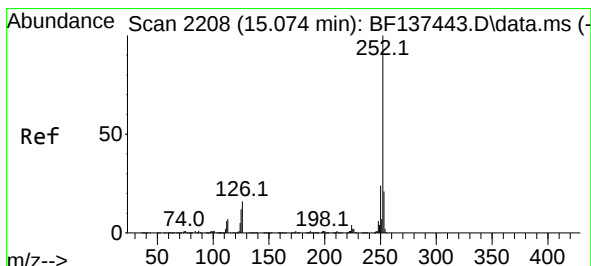
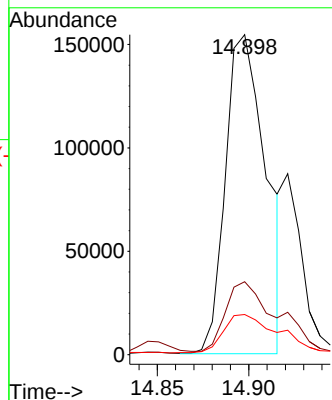
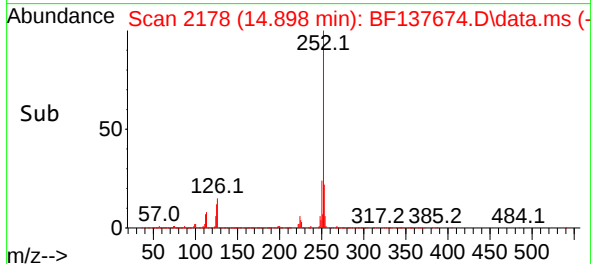
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion:252 Resp: 238664
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.5 10.1 15.1

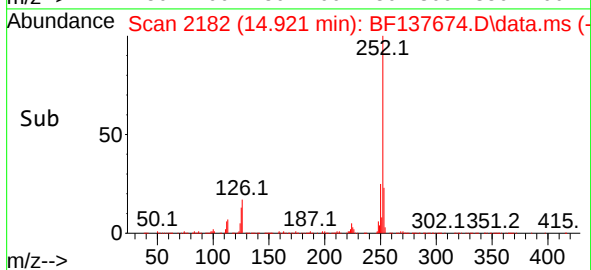
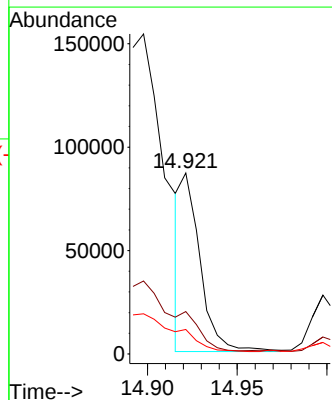
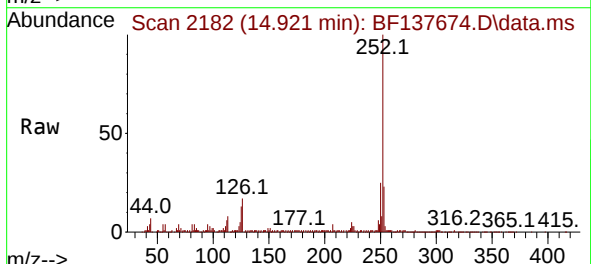
Manual Integrations
APPROVED

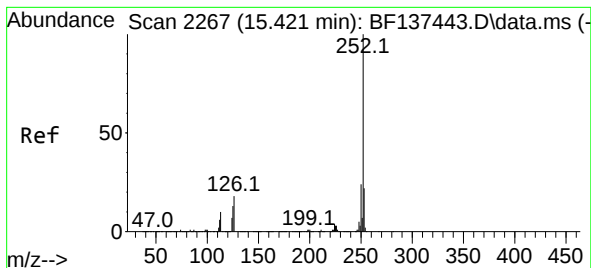
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#89
Benzo(k)fluoranthene
Concen: 4.628 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF137674.D
Acq: 21 Mar 2024 21:53

Tgt Ion:252 Resp: 64440
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 13.5 9.6 14.4





#90

Benzo(a)pyrene

Concen: 11.482 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Instrument :

BNF_F

ClientSampleId :

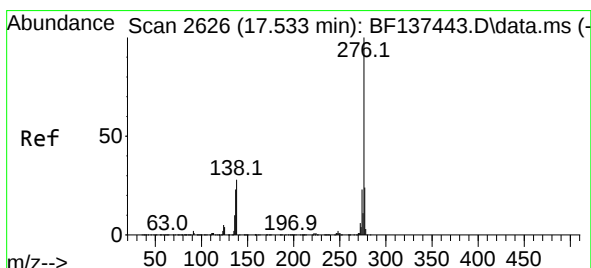
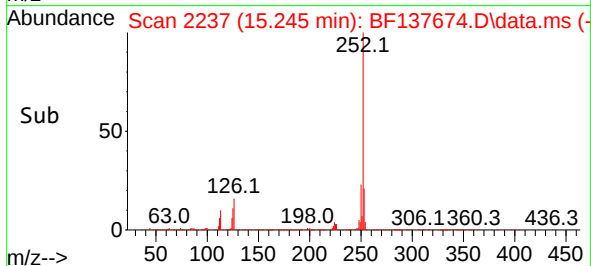
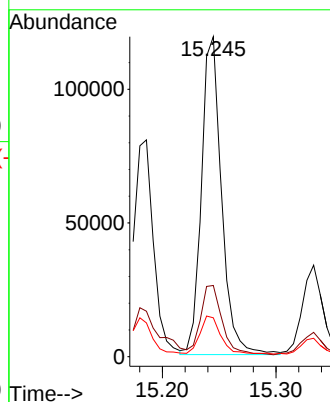
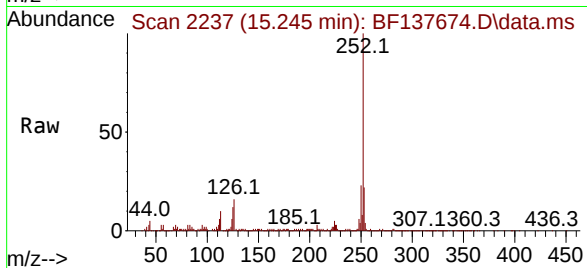
B-148-SB03

Tgt Ion:252 Resp: 14667
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.2
 125 12.2 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: 5.833 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137674.D

Acq: 21 Mar 2024 21:53

Tgt Ion:276 Resp: 70069
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.0 28.4
 138 24.9 22.2 33.2

