

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137673.D
 Acq On : 21 Mar 2024 21:24
 Operator : CG\JU
 Sample : P1817-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB01

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 01:44:29 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	131702	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	476808	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	226067	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	364866	20.000	ng	0.00
76) Chrysene-d12	13.880	240	286073	20.000	ng	0.00
86) Perylene-d12	15.304	264	207668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	819846	94.280	ng	0.00
7) Phenol-d6	6.363	99	1082362	86.229	ng	0.00
23) Nitrobenzene-d5	7.292	82	630195	61.411	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	177159	89.237	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	941255	65.176	ng	0.00
79) Terphenyl-d14	12.827	244	866220	41.638	ng	0.00
Target Compounds						Qvalue
68) Hexachlorobenzene	10.851	284	11515	2.869	ng	97
71) Phenanthrene	11.263	178	295414	14.877	ng	99
72) Anthracene	11.316	178	77463	3.798	ng	98
75) Fluoranthene	12.451	202	515912	26.580	ng	99
78) Pyrene	12.680	202	467509	16.655	ng	100
81) Benzo(a)anthracene	13.868	228	232582	11.600	ng	99
83) Chrysene	13.904	228	213325m	10.527	ng	
87) Indeno(1,2,3-cd)pyrene	16.692	276	66959	4.900	ng	# 91
88) Benzo(b)fluoranthene	14.898	252	182461m	14.853	ng	
89) Benzo(k)fluoranthene	14.921	252	75473m	5.720	ng	
90) Benzo(a)pyrene	15.245	252	131463	10.860	ng	99
92) Benzo(g,h,i)perylene	17.109	276	67869	5.961	ng	98

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

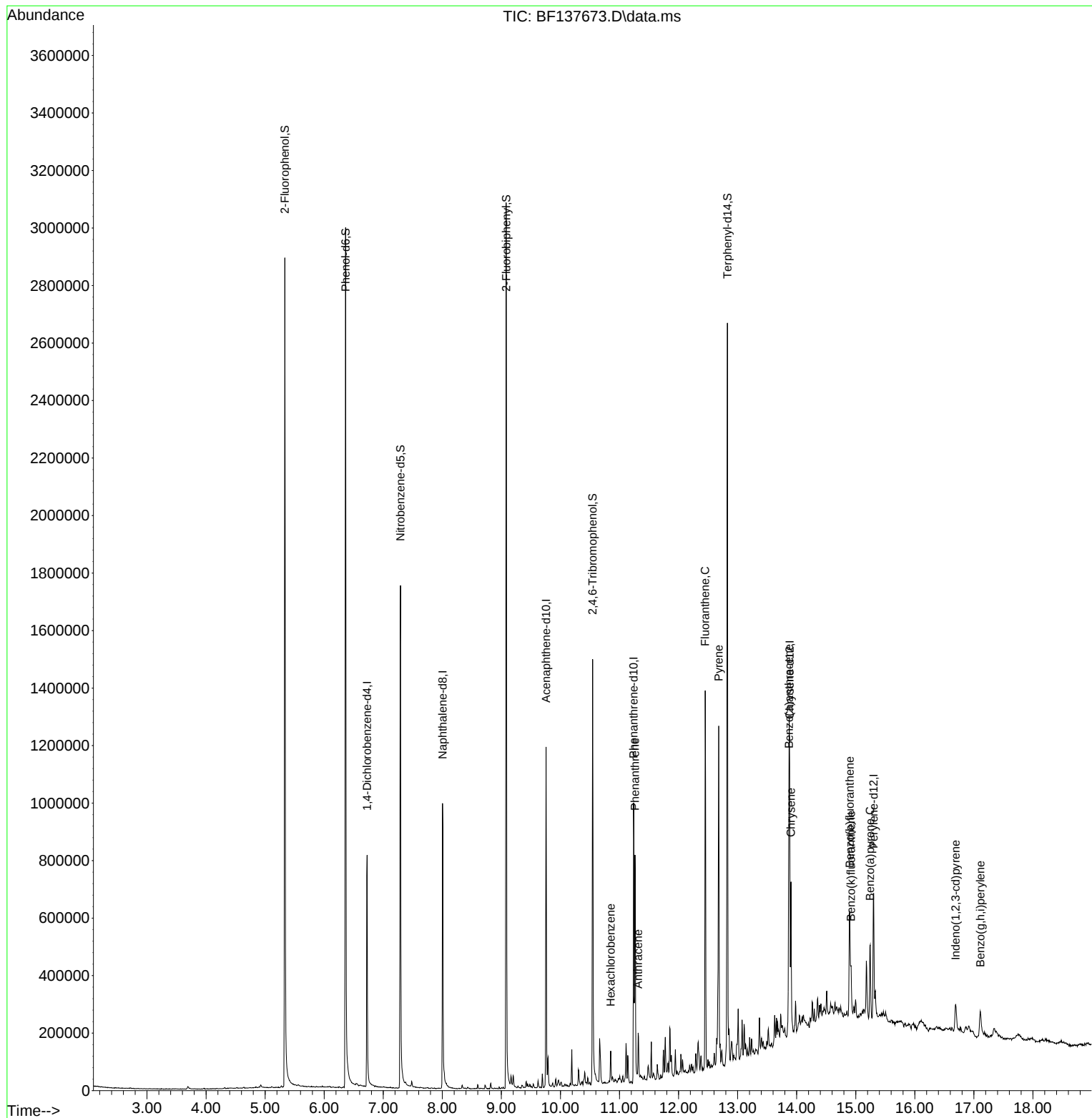
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
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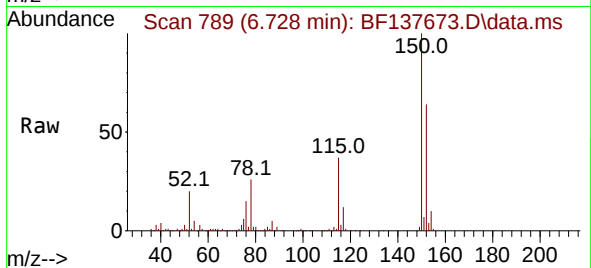
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

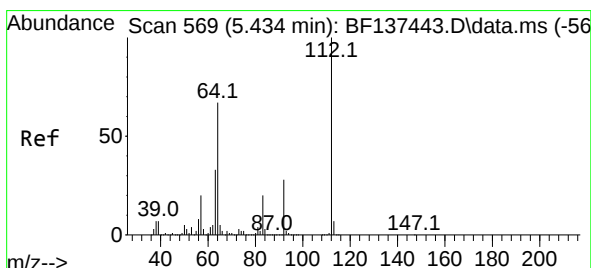
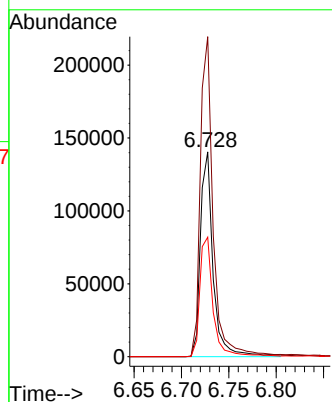
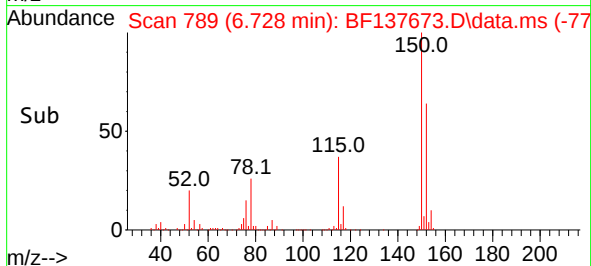
Instrument :
BNA_F
ClientSampleId :
B-148-SB01



Tgt Ion:152 Resp: 13170
Ion Ratio Lower Upper
152 100
150 156.3 125.8 188.6
115 58.4 48.8 73.2

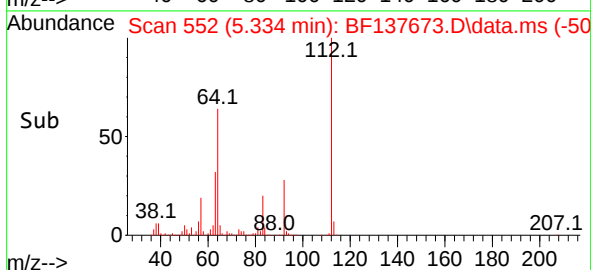
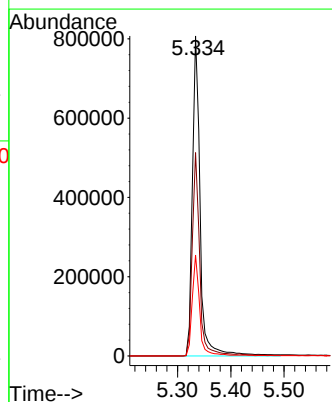
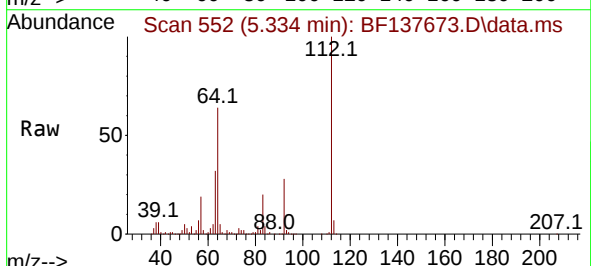
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#5
2-Fluorophenol
Concen: 94.280 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

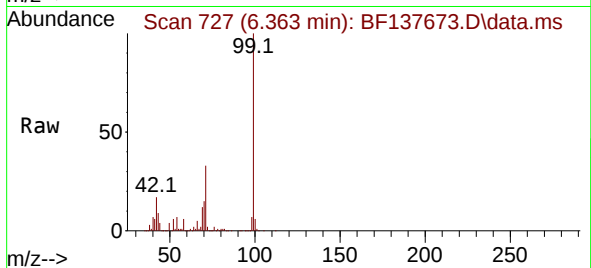
Tgt Ion:112 Resp: 819846
Ion Ratio Lower Upper
112 100
64 63.6 53.4 80.2
63 31.5 26.2 39.2





#7
Phenol-d6
Concen: 86.229 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

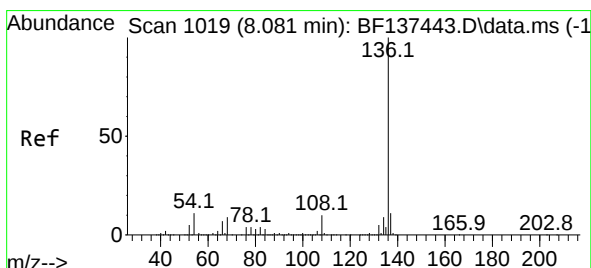
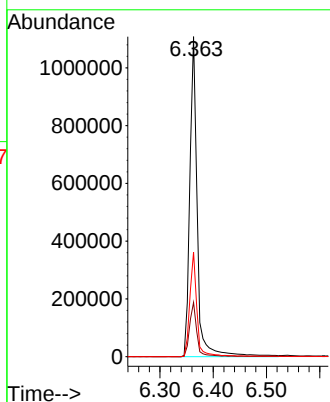
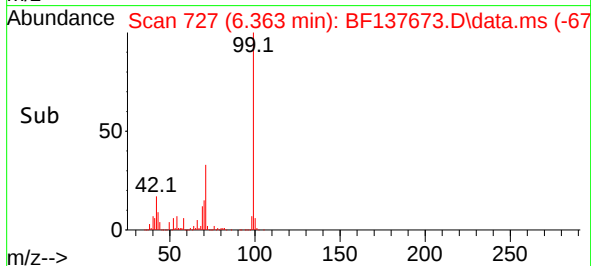
Instrument :
BNA_F
ClientSampleId :
B-148-SB01



Tgt Ion: 99 Resp: 108236
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 32.7 25.3 37.9

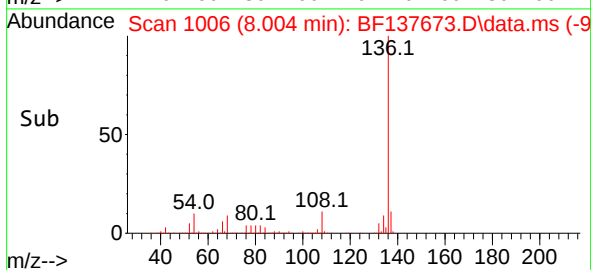
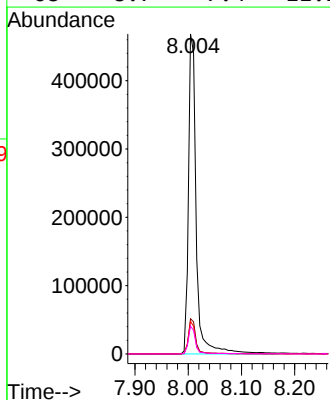
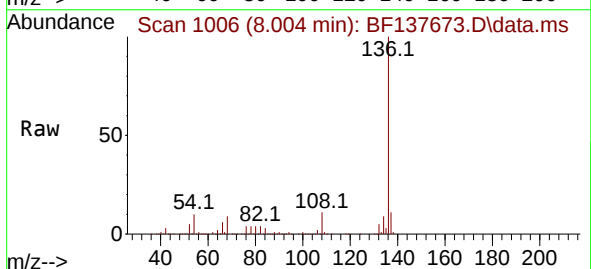
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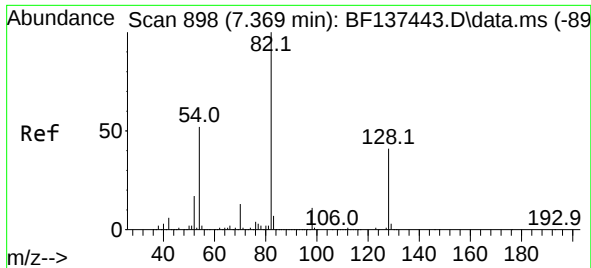
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:136 Resp: 476808
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 10.2 8.5 12.7
68 8.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 61.411 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

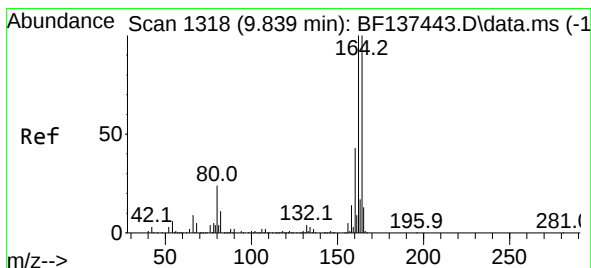
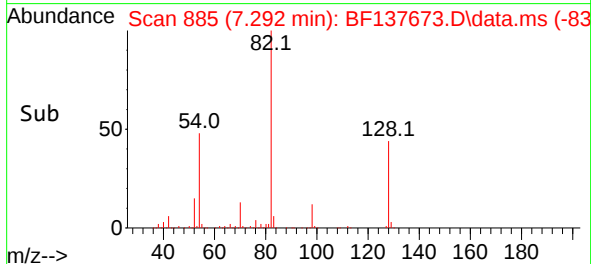
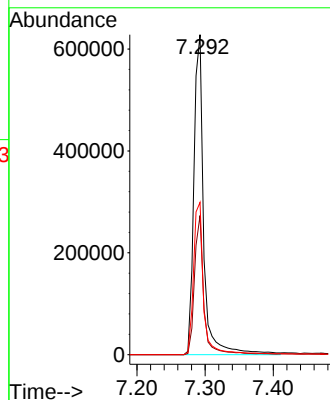
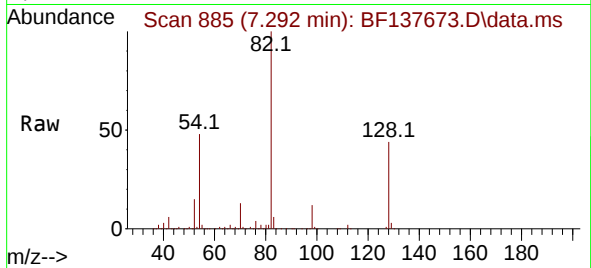
Tgt Ion: 82 Resp: 63019

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.5	48.7
54	47.6	41.5	62.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

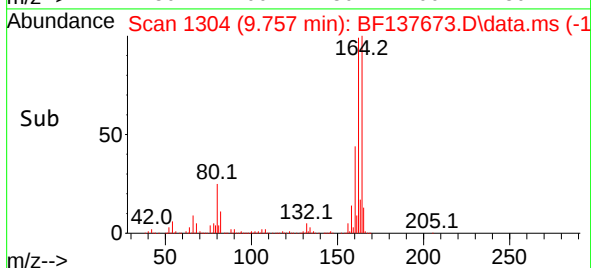
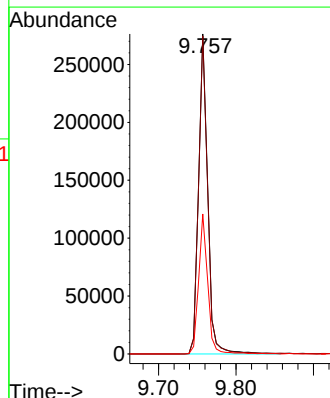
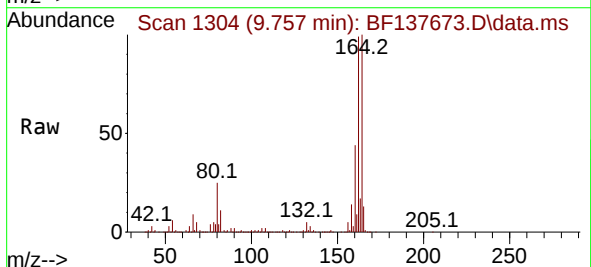
Delta R.T. -0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Tgt Ion:164 Resp: 226067

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.8	119.8
160	43.7	34.4	51.6





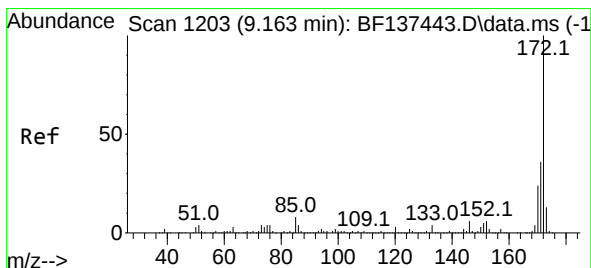
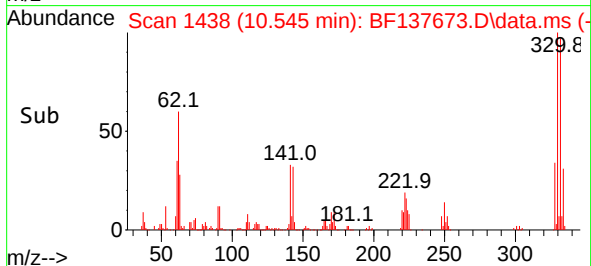
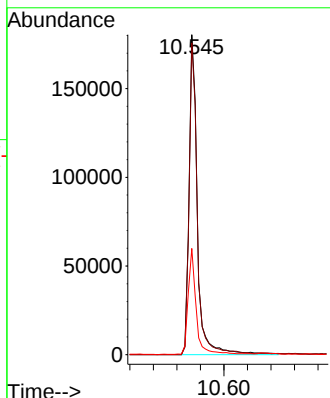
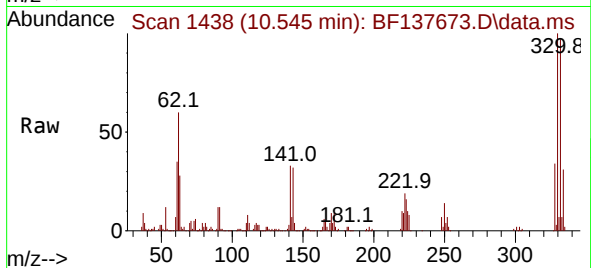
#42
2,4,6-Tribromophenol
Concen: 89.237 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Instrument :
BNA_F
ClientSampleId :
B-148-SB01

Tgt Ion:330 Resp: 177159
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.5 27.3 40.9

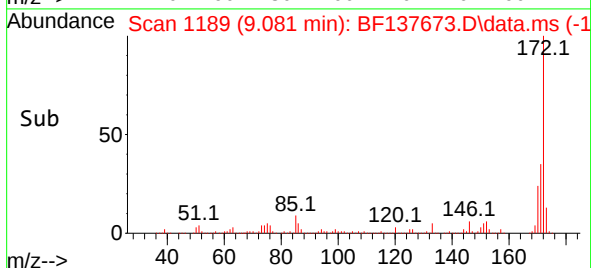
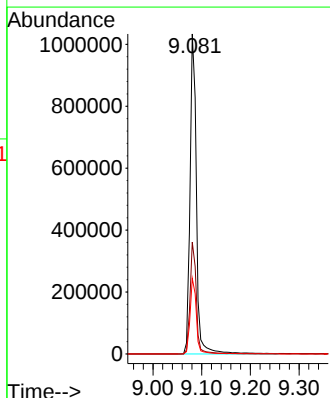
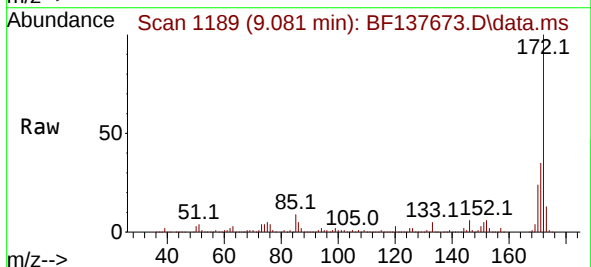
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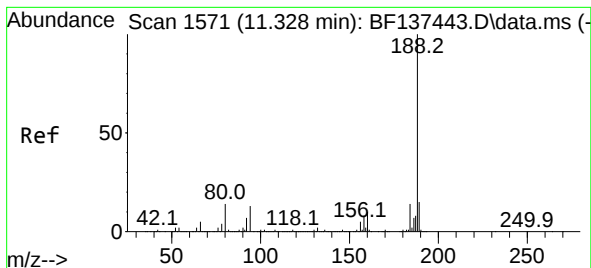
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 65.176 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:172 Resp: 941255
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

Tgt Ion:188 Resp: 364860

Ion Ratio Lower Upper

188 100

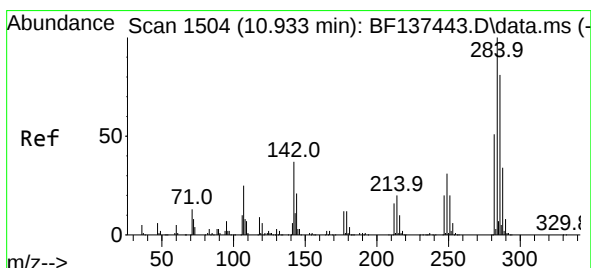
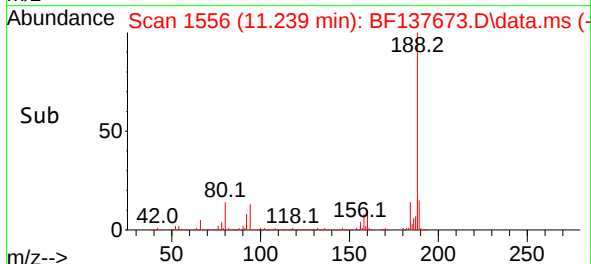
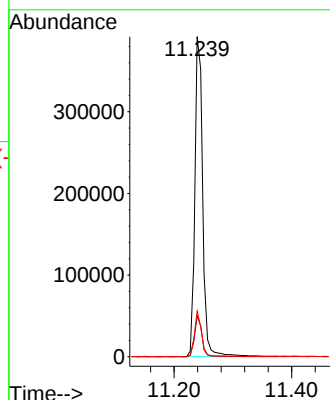
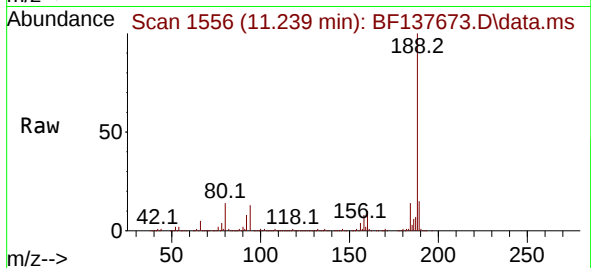
94 12.7 10.6 15.8

80 14.3 11.5 17.3

Manual Integrations

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Supervised By :mohammad ahmed 03/26/2024



#68

Hexachlorobenzene

Concen: 2.869 ng

RT: 10.851 min Scan# 1490

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

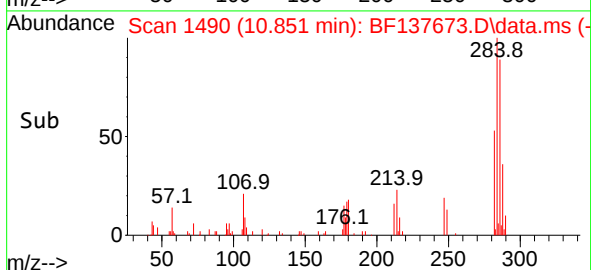
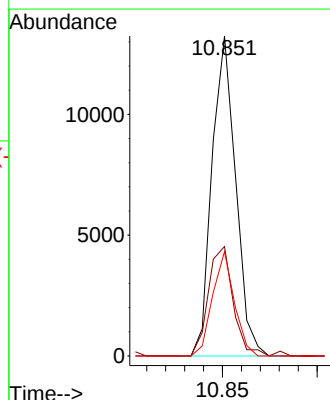
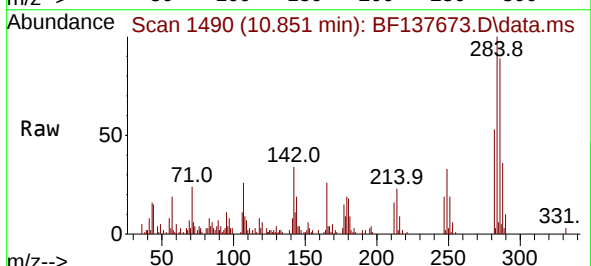
Tgt Ion:284 Resp: 11515

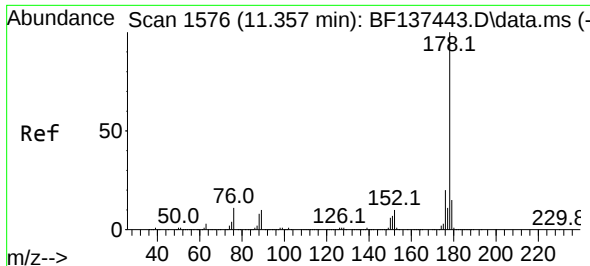
Ion Ratio Lower Upper

284 100

142 34.2 29.4 44.0

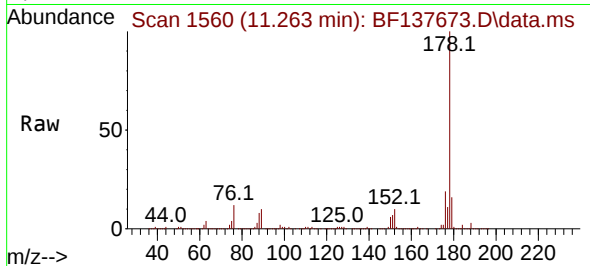
249 32.6 25.0 37.4





#71
Phenanthrene
Concen: 14.877 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

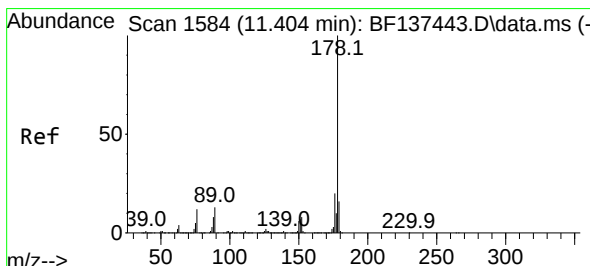
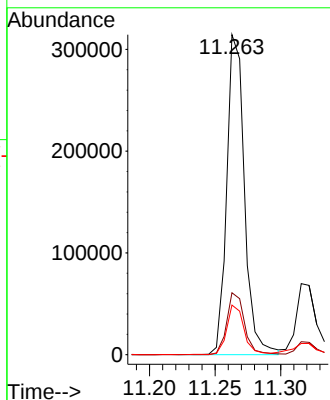
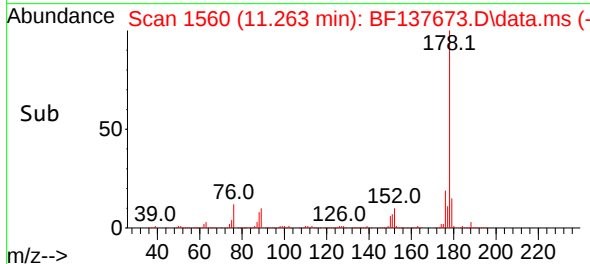
Instrument :
BNA_F
ClientSampleId :
B-148-SB01



Tgt Ion:178 Resp: 295414
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.2 18.2

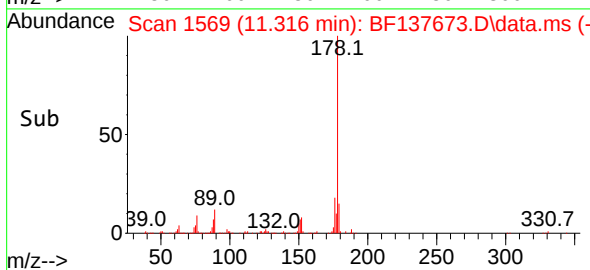
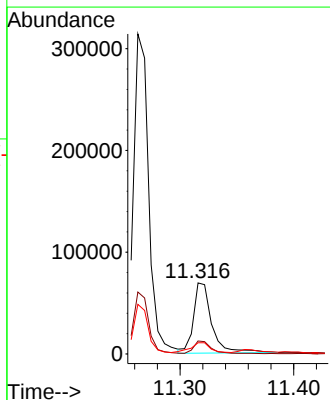
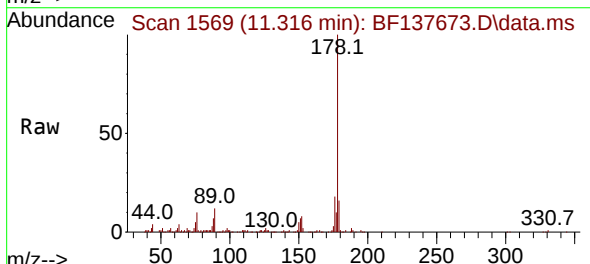
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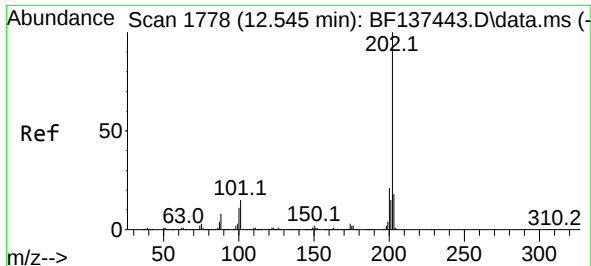
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#72
Anthracene
Concen: 3.798 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:178 Resp: 77463
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 15.8 12.7 19.1





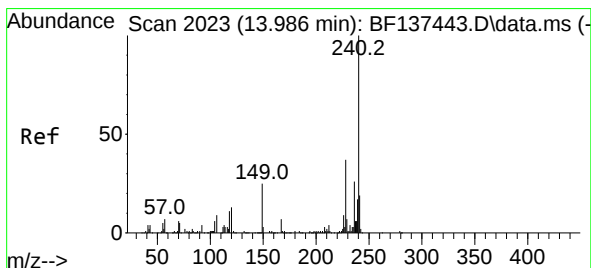
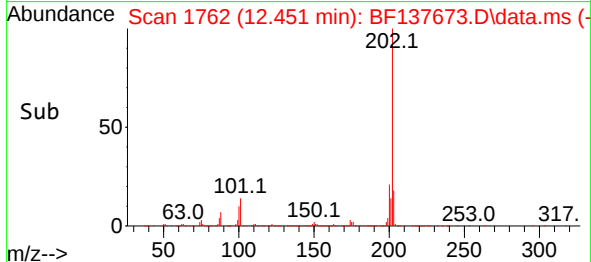
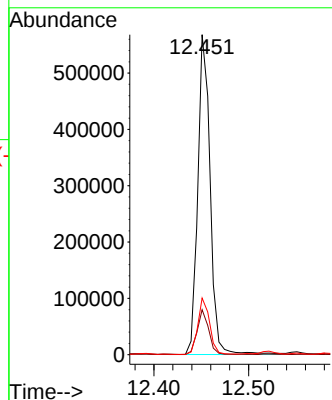
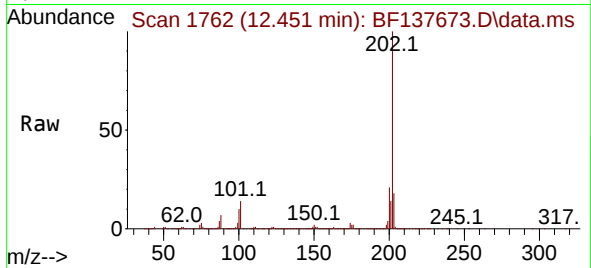
#75
Fluoranthene
Concen: 26.580 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Instrument :
BNA_F
ClientSampleId :
B-148-SB01

Tgt Ion:202 Resp: 51591
Ion Ratio Lower Upper
202 100
101 14.1 0.0 35.0
203 17.7 0.0 37.7

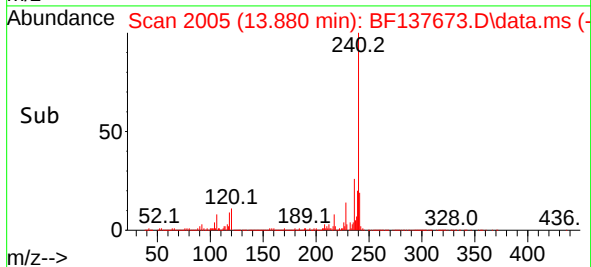
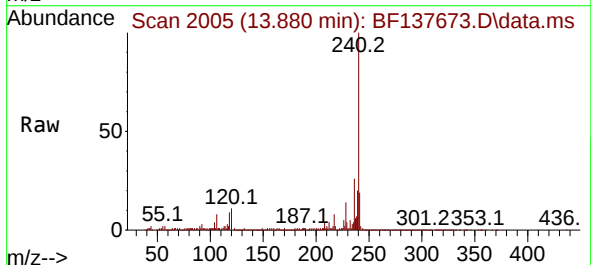
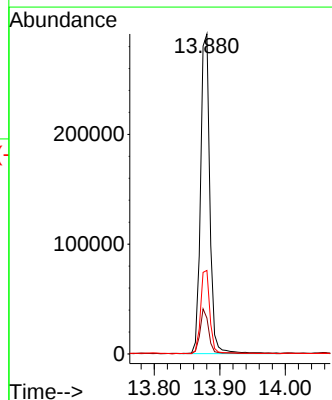
Manual Integrations
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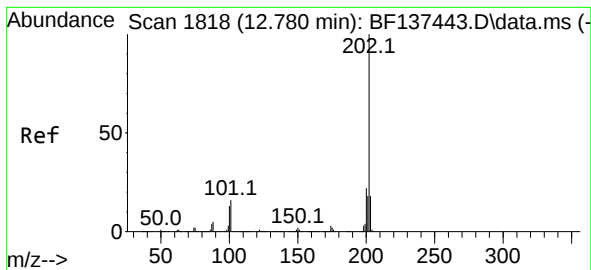
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:240 Resp: 286073
Ion Ratio Lower Upper
240 100
120 11.2 10.4 15.6
236 26.1 20.9 31.3





#78

Pyrene

Concen: 16.655 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

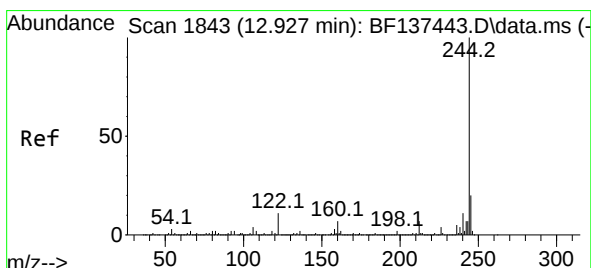
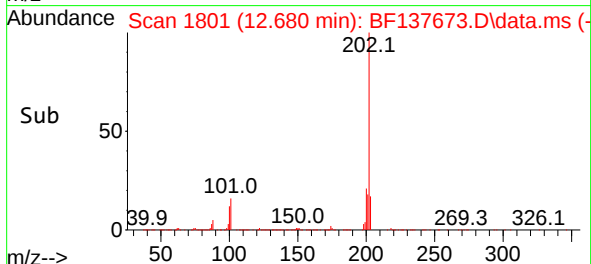
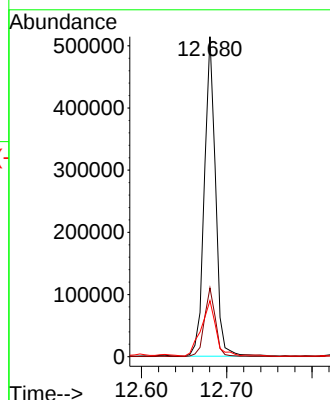
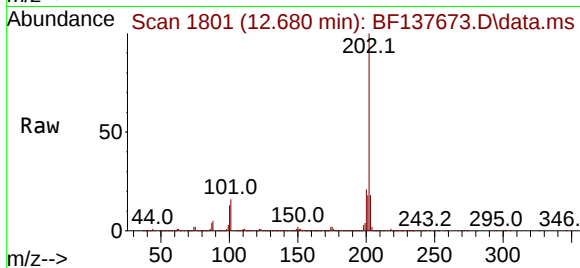
B-148-SB01

Tgt Ion:202 Resp: 467509
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 17.5 14.1 21.1

Manual Integrations

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



#79

Terphenyl-d14

Concen: 41.638 ng

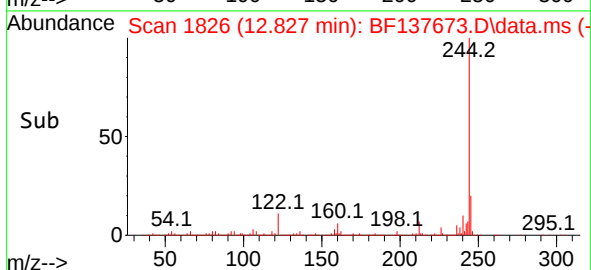
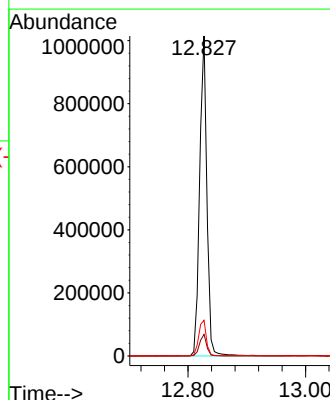
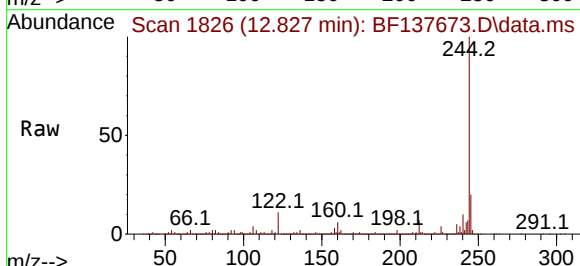
RT: 12.827 min Scan# 1826

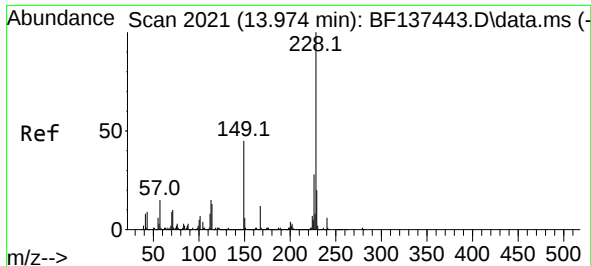
Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Tgt Ion:244 Resp: 866220
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 11.2 9.1 13.7





#81
Benzo(a)anthracene
Concen: 11.600 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

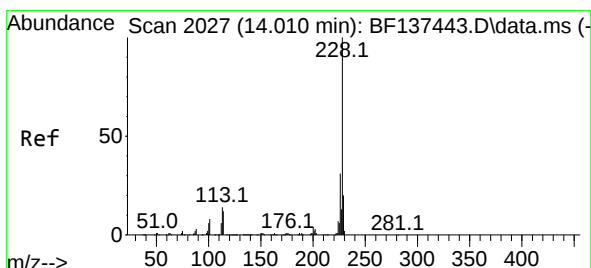
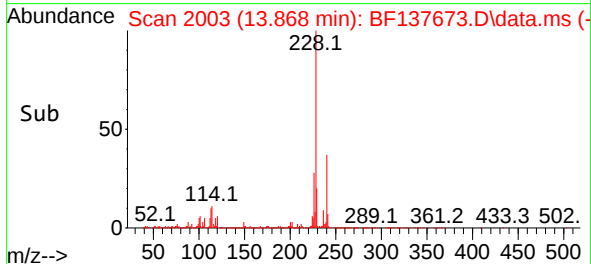
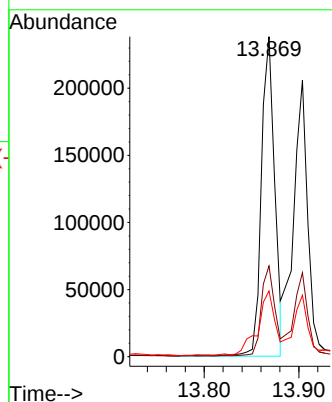
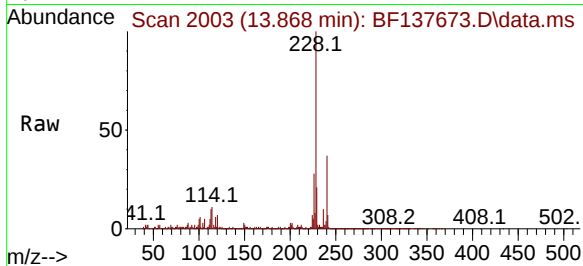
ClientSampleId :

B-148-SB01

Tgt Ion:228 Resp: 23258
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.5 16.3 24.5

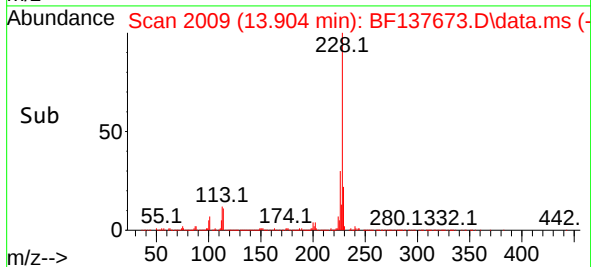
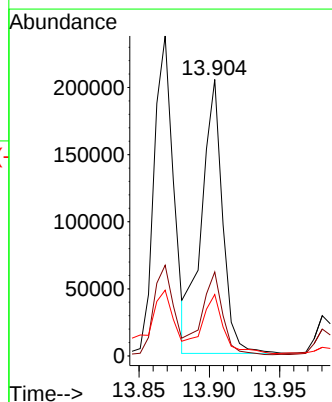
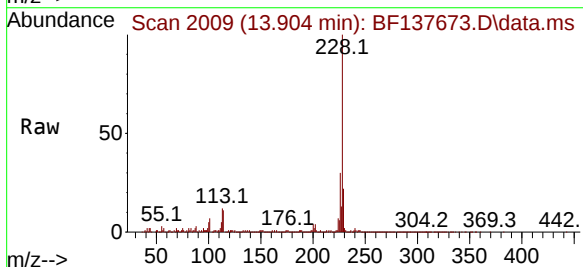
Manual Integrations
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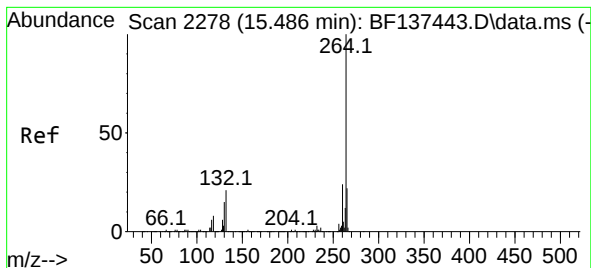
Reviewed By :Jagrut Upadhyay 03/22/2024
Supervised By :mohammad ahmed 03/26/2024



#83
Chrysene
Concen: 10.527 ng m
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137673.D
Acq: 21 Mar 2024 21:24

Tgt Ion:228 Resp: 213325
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 22.2 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: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

B-148-SB01

Tgt Ion:264 Resp: 20766

Ion Ratio Lower Upper

264 100

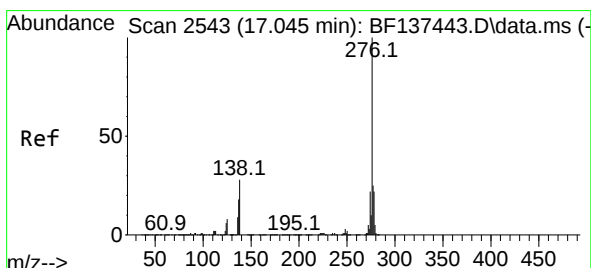
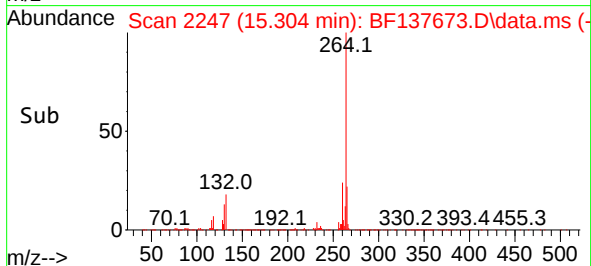
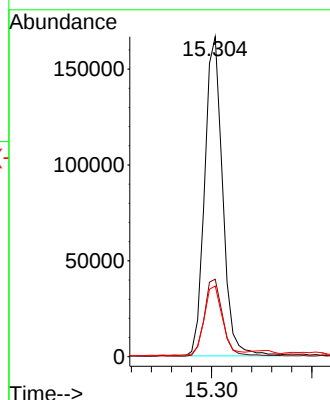
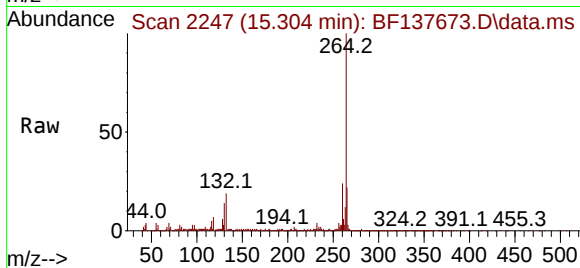
260 24.2 19.3 28.9

265 22.1 17.4 26.0

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.900 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

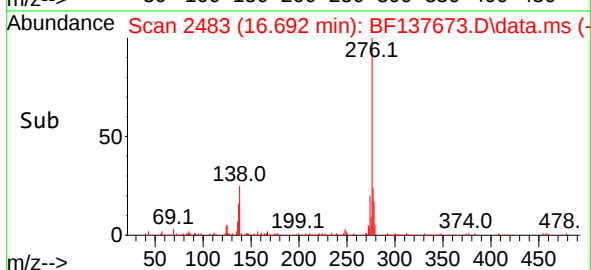
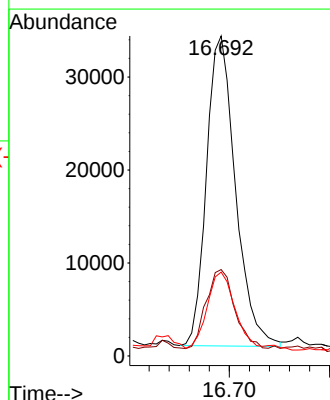
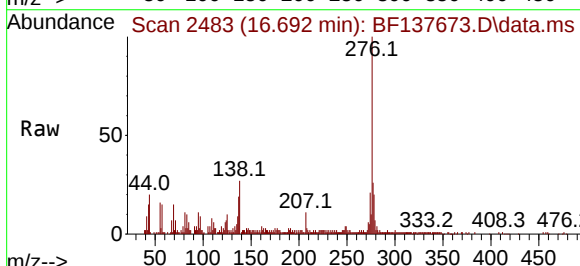
Tgt Ion:276 Resp: 66959

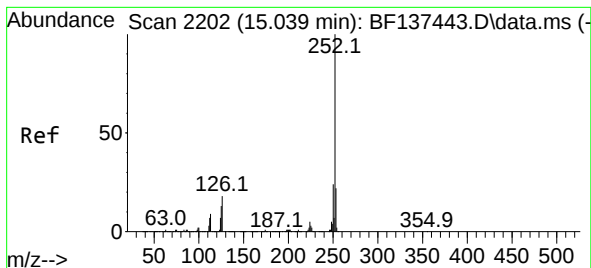
Ion Ratio Lower Upper

276 100

138 25.0 25.8 38.8#

277 23.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 14.853 ng m

RT: 14.898 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNF_F

ClientSampleId :

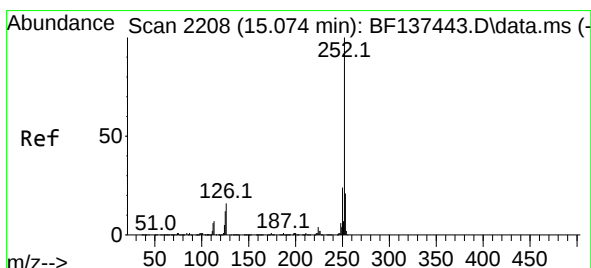
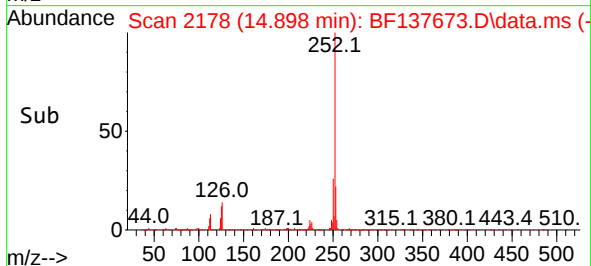
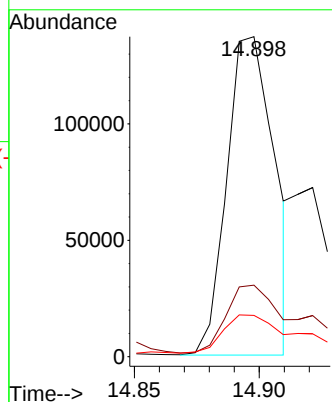
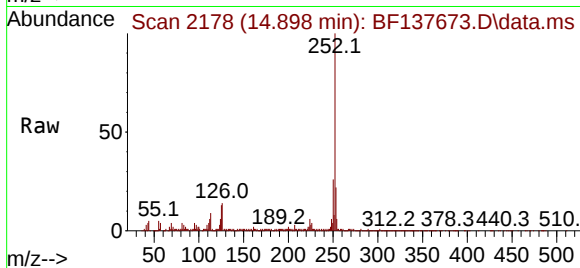
B-148-SB01

Tgt Ion:252 Resp: 182463
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.8
 125 12.9 10.1 15.1

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 5.720 ng m

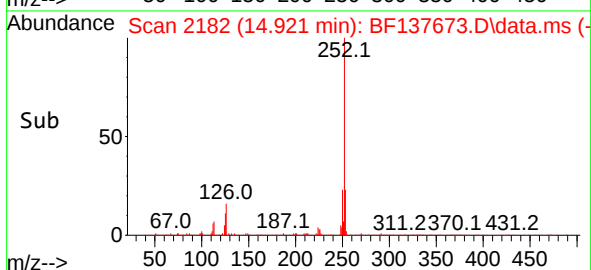
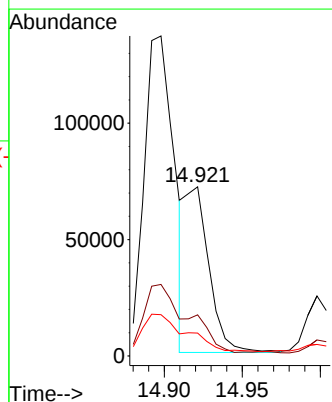
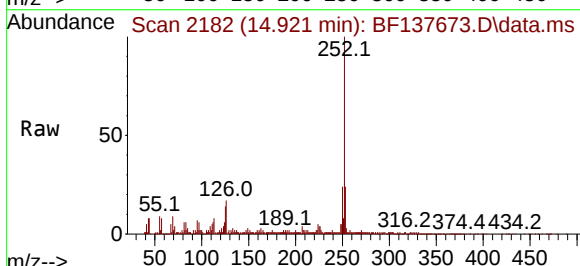
RT: 14.921 min Scan# 2182

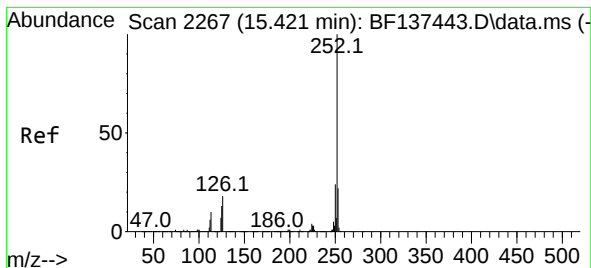
Delta R.T. -0.000 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Tgt Ion:252 Resp: 75473
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.3 25.9
 125 13.6 9.6 14.4





#90

Benzo(a)pyrene

Concen: 10.860 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Instrument :

BNA_F

ClientSampleId :

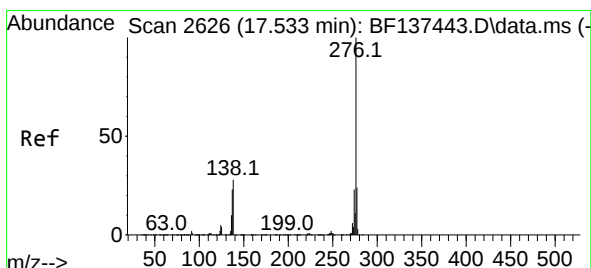
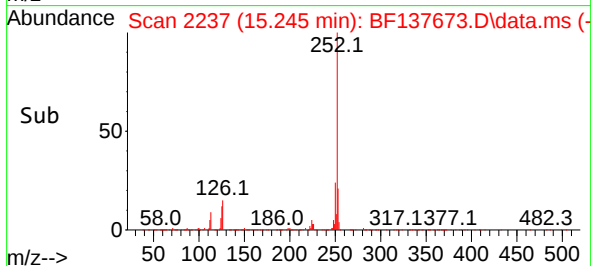
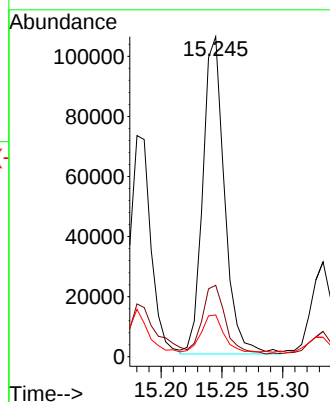
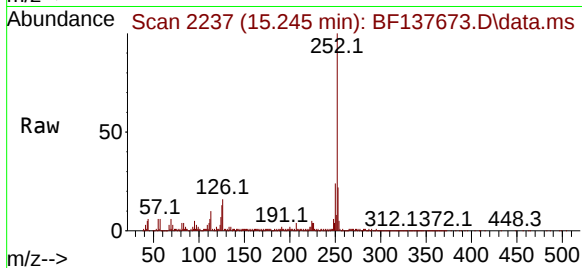
B-148-SB01

Tgt Ion:	252	Resp:	13146
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	13.1	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: 5.961 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137673.D

Acq: 21 Mar 2024 21:24

Tgt Ion:	276	Resp:	67869
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.0	28.4
138	27.0	22.2	33.2

