

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130749.D
 Acq On : 21 Oct 2022 17:20
 Operator : CG\JU
 Sample : N5223-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-102022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

Quant Time: Oct 21 18:19:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	87238	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	312416	20.000	ng	0.00
39) Acenaphthene-d10	9.586	164	118930	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	212802	20.000	ng	0.00
76) Chrysene-d12	13.710	240	166678	20.000	ng	0.00
86) Perylene-d12	15.086	264	125001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	219884	43.464	ng	0.00
7) Phenol-d6	6.216	99	263780	43.094	ng	0.00
23) Nitrobenzene-d5	7.134	82	155020	26.322	ng	0.00
42) 2,4,6-Tribromophenol	10.380	330	41961	37.100	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	230645	29.554	ng	-0.01
79) Terphenyl-d14	12.651	244	251823	25.460	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.863	128	504536	31.321	ng	99
37) 2-Methylnaphthalene	8.557	142	131072	12.419	ng	100
38) 1-Methylnaphthalene	8.651	142	84537	8.079	ng	99
46) 1,1'-Biphenyl	9.016	154	29894	3.604	ng	96
49) Acenaphthylene	9.451	152	48726	4.794	ng	96
52) Acenaphthene	9.622	154	172173	27.252	ng	97
55) Dibenzofuran	9.792	168	199602	20.526	ng	99
58) Fluorene	10.133	166	265099	32.778	ng	100
71) Phenanthrene	11.104	178	1663140	142.521	ng	99
72) Anthracene	11.151	178	553922	47.567	ng	100
73) Carbazole	11.310	167	170338	15.843	ng	100
75) Fluoranthene	12.292	202	1794479	152.109	ng	98
78) Pyrene	12.516	202	1633129	116.730	ng	98
81) Benzo(a)anthracene	13.698	228	774397	69.533	ng	98
83) Chrysene	13.733	228	612343	56.746	ng	97
87) Indeno(1,2,3-cd)pyrene	16.380	276	234717	26.181	ng	95
88) Benzo(b)fluoranthene	14.709	252	619830m	74.473	ng	
89) Benzo(k)fluoranthene	14.727	252	222947m	26.663	ng	
90) Benzo(a)pyrene	15.033	252	494852	74.027	ng	98
91) Dibenzo(a,h)anthracene	16.380	278	56241m	7.592	ng	
92) Benzo(g,h,i)perylene	16.768	276	217867	29.324	ng	97

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

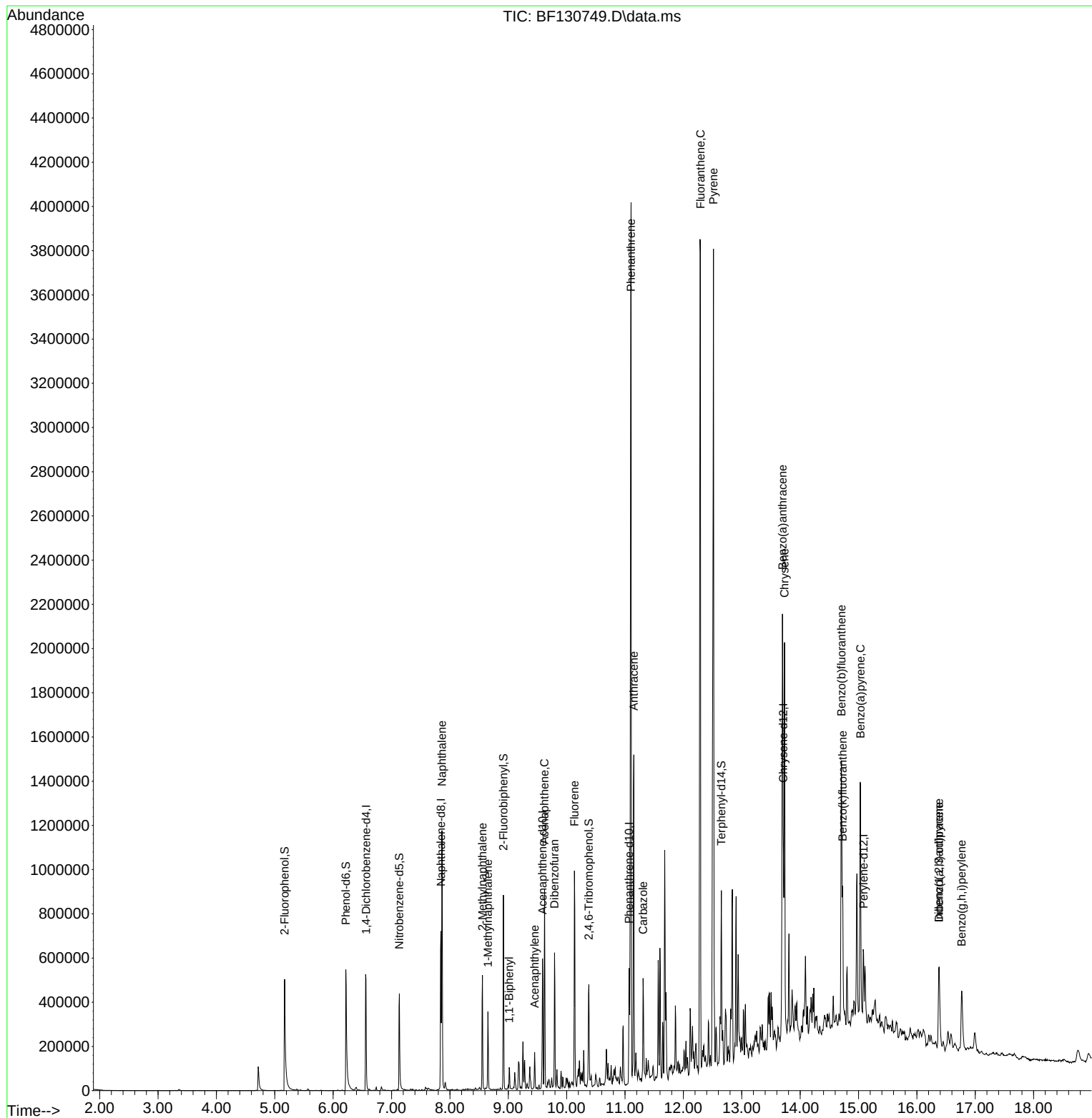
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130749.D
Acq On : 21 Oct 2022 17:20
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Misc :
ALS Vial : 13 Sample Multiplier: 1

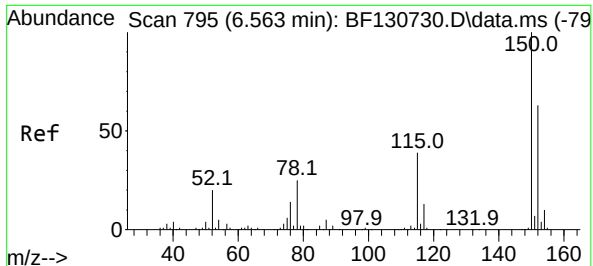
Instrument :
BNA_F
ClientSampleId :
OR-3-102022

Quant Time: Oct 21 18:19:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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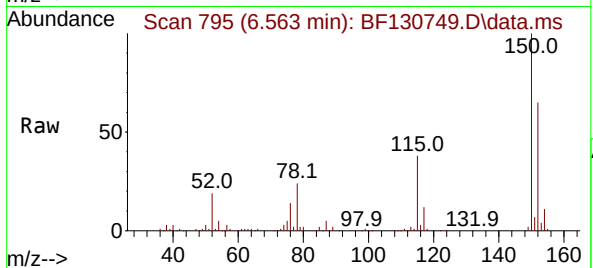
Reviewed By : Christian Giraldo 10/24/2022
Supervised By : Jagrut Upadhyay 10/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

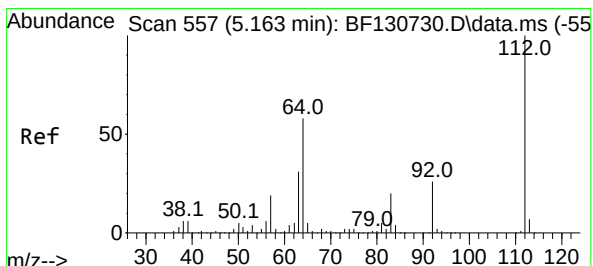
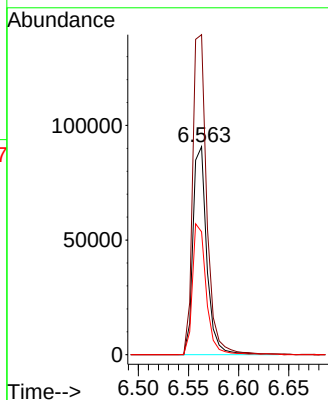
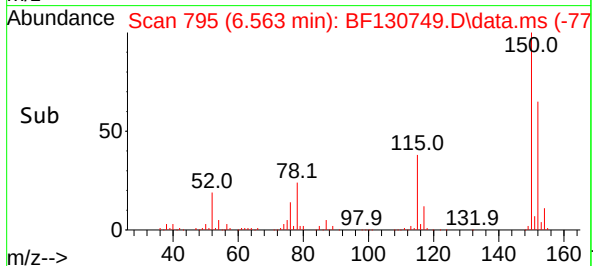
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



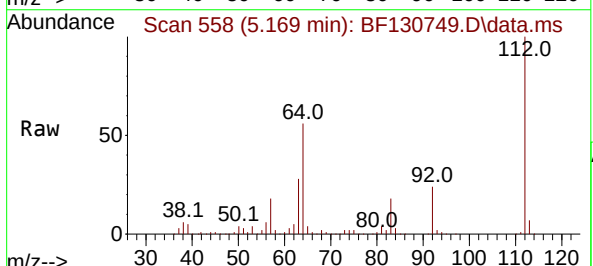
Tgt Ion:152 Resp: 87238
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 59.1 49.9 74.9

Manual Integrations
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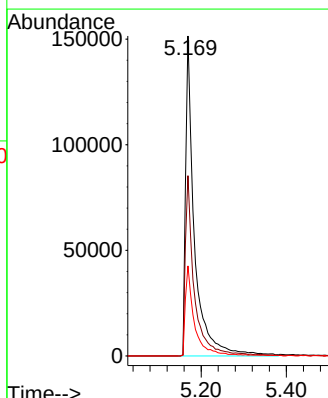
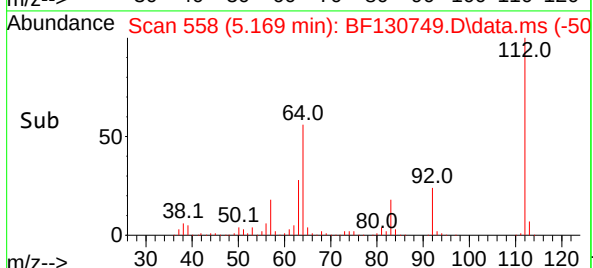
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

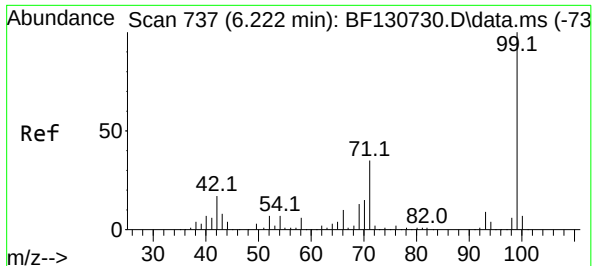


#5
2-Fluorophenol
Concen: 43.464 ng
RT: 5.169 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20



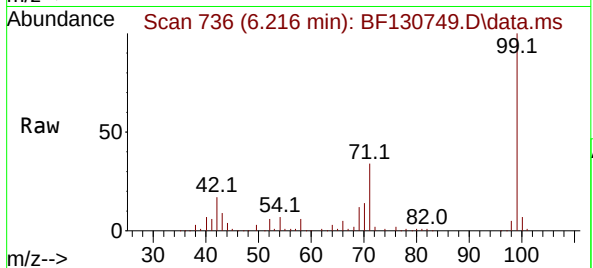
Tgt Ion:112 Resp: 219884
Ion Ratio Lower Upper
112 100
64 56.4 46.2 69.4
63 28.2 25.1 37.7





#7
Phenol-d6
Concen: 43.094 ng
RT: 6.216 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

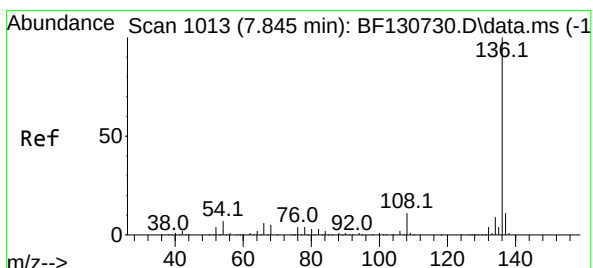
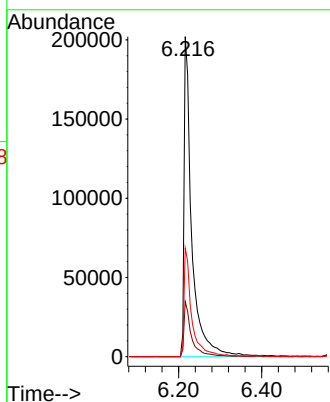
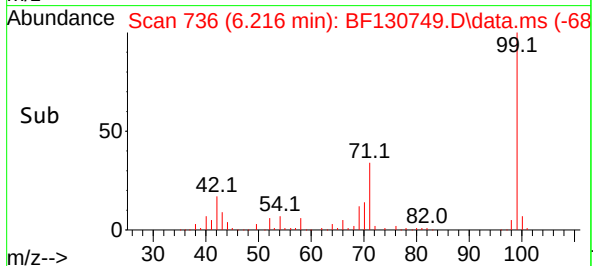
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



Tgt Ion: 99 Resp: 263780
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 34.0 28.3 42.5

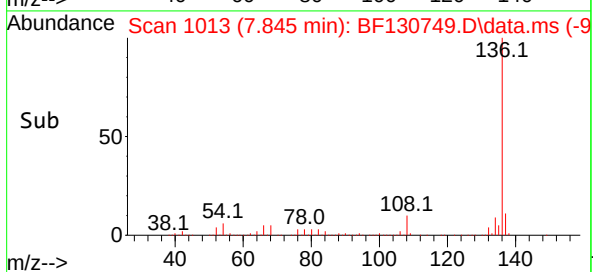
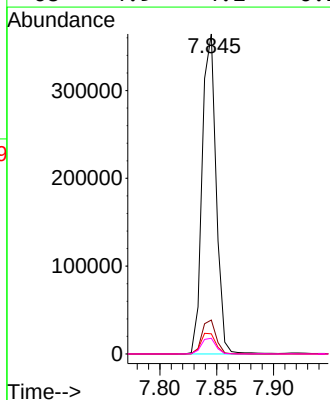
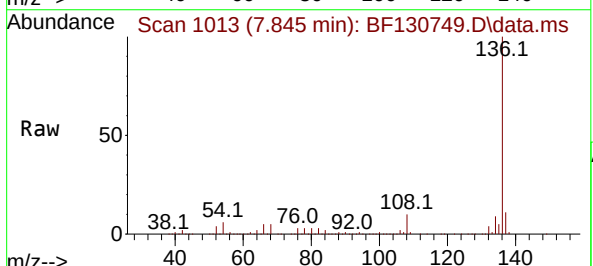
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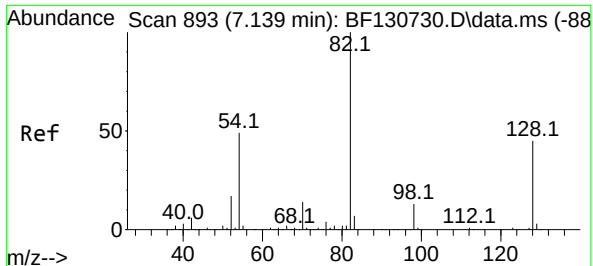
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Tgt Ion:136 Resp: 312416
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.3 5.8 8.8
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 26.322 ng

RT: 7.134 min Scan# 89

Delta R.T. -0.005 min

Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

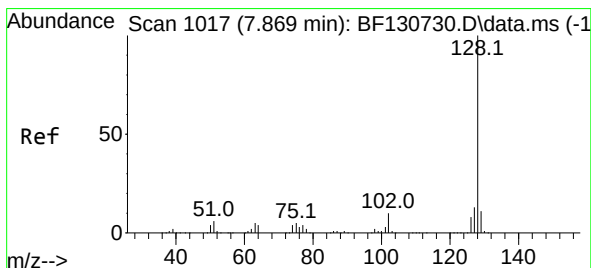
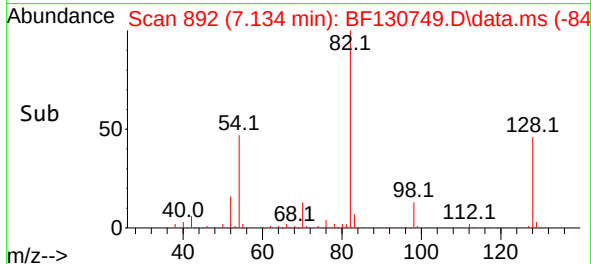
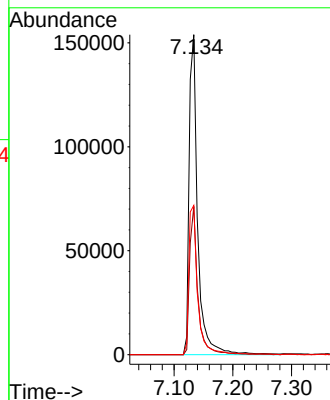
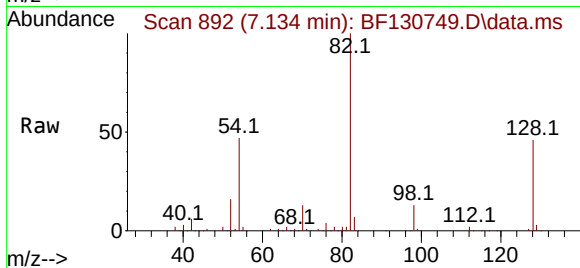
Tgt Ion: 82 Resp: 155020

Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.9	53.9
54	46.7	39.2	58.8

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#31

Naphthalene

Concen: 31.321 ng

RT: 7.863 min Scan# 1016

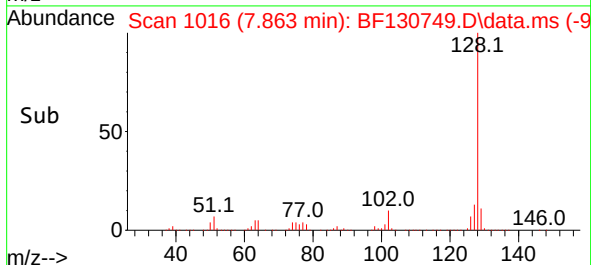
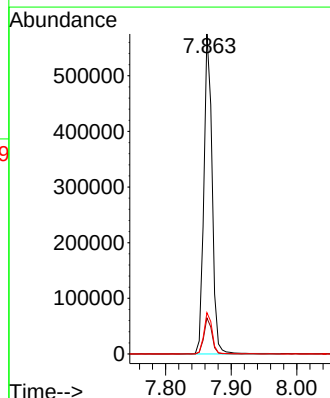
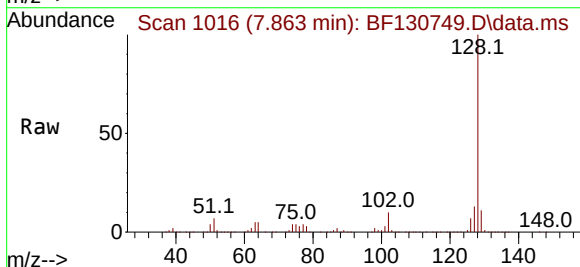
Delta R.T. -0.006 min

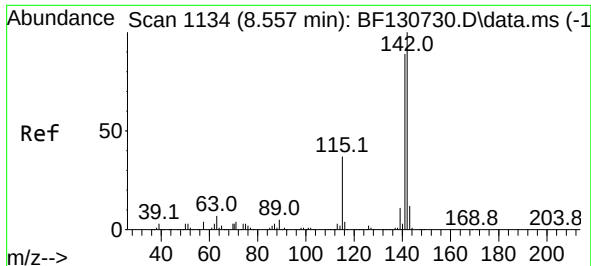
Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Tgt Ion:128 Resp: 504536

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.9	10.6	16.0





#37

2-Methylnaphthalene

Concen: 12.419 ng

RT: 8.557 min Scan# 1134

Delta R.T. -0.000 min

Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

Tgt Ion:142 Resp: 131072

Ion Ratio Lower Upper

142 100

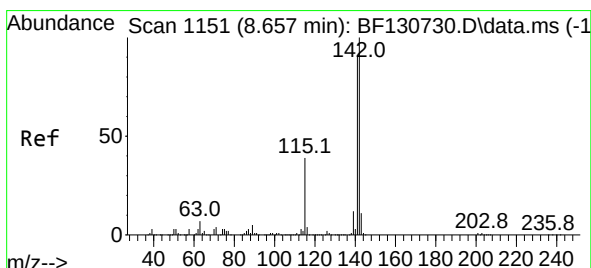
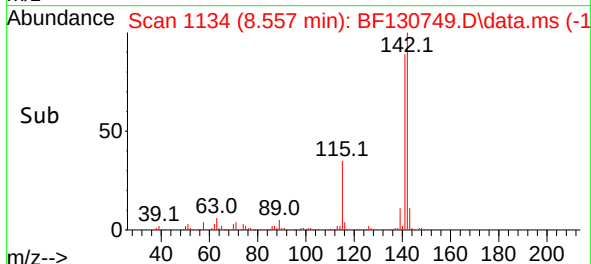
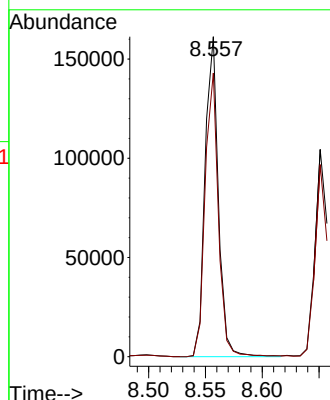
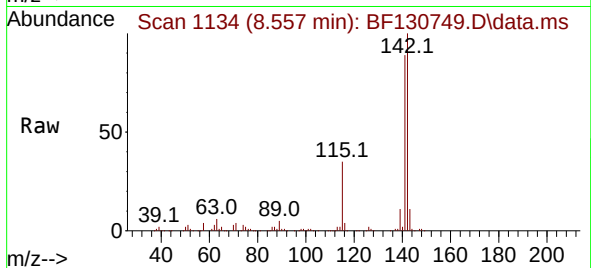
141 88.7 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 10/24/2022

Supervised By :Jagrut Upadhyay 10/24/2022



#38

1-Methylnaphthalene

Concen: 8.079 ng

RT: 8.651 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF130749.D

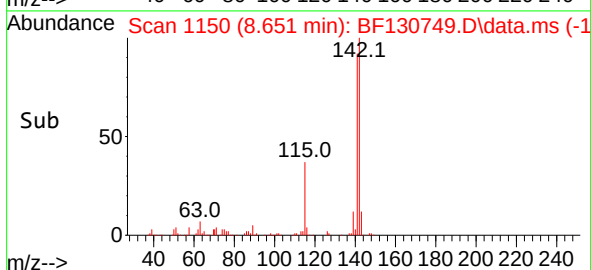
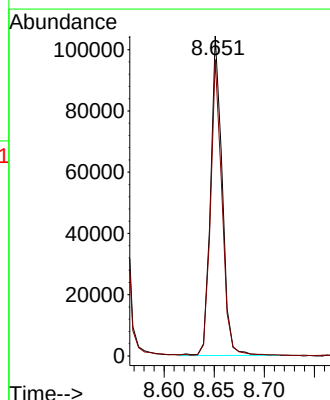
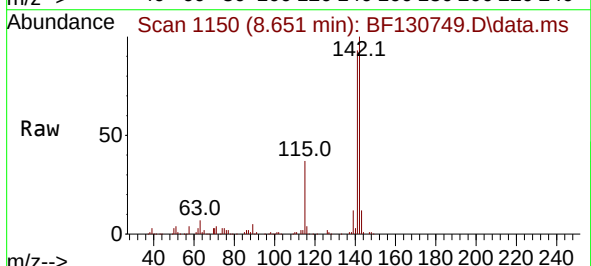
Acq: 21 Oct 2022 17:20

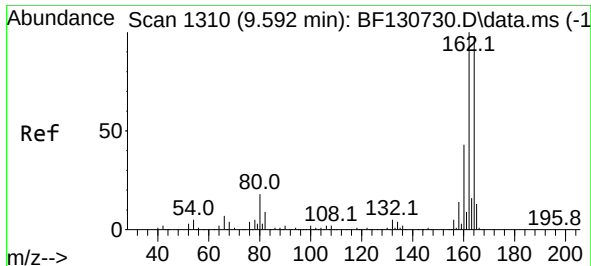
Tgt Ion:142 Resp: 84537

Ion Ratio Lower Upper

142 100

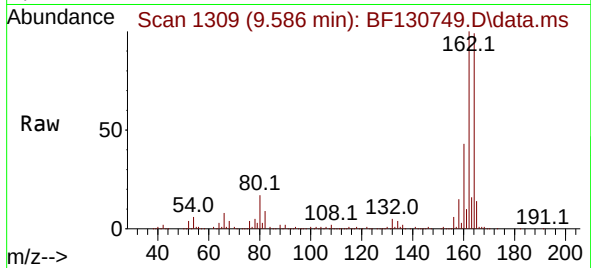
141 92.6 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

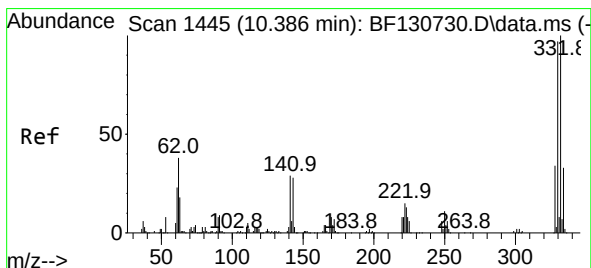
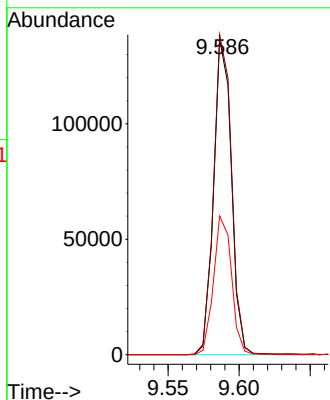
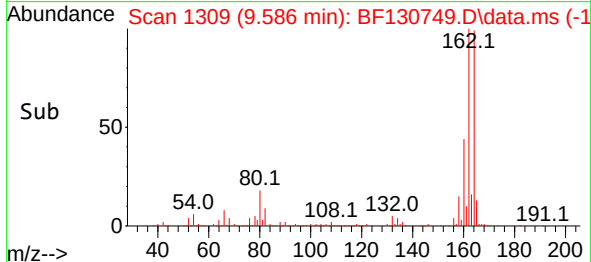
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



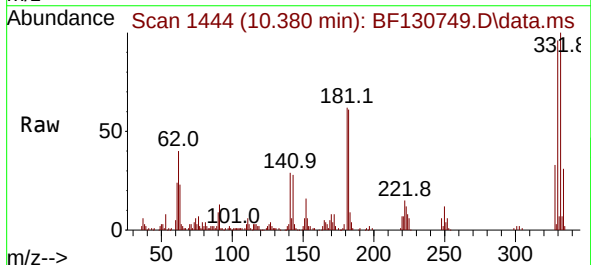
Tgt Ion:164 Resp: 118930
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 43.9 35.0 52.4

Manual Integrations
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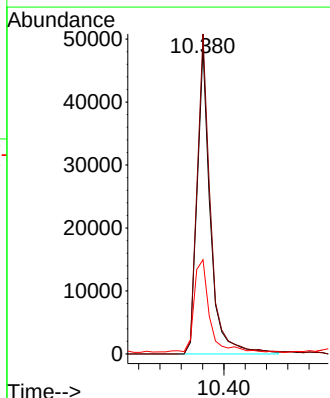
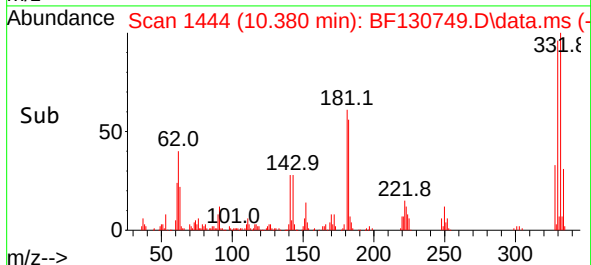
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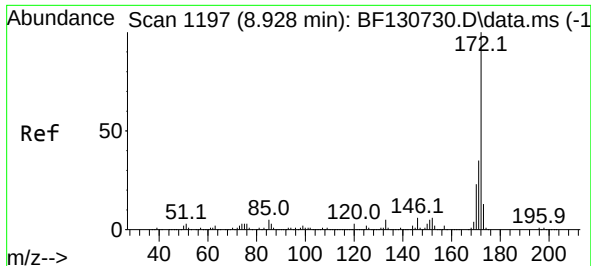


#42
2,4,6-Tribromophenol
Concen: 37.100 ng
RT: 10.380 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20



Tgt Ion:330 Resp: 41961
Ion Ratio Lower Upper
330 100
332 107.0 81.4 122.2
141 36.2 24.6 37.0





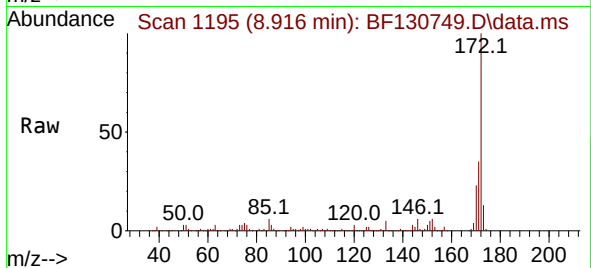
#45
2-Fluorobiphenyl
Concen: 29.554 ng
RT: 8.916 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

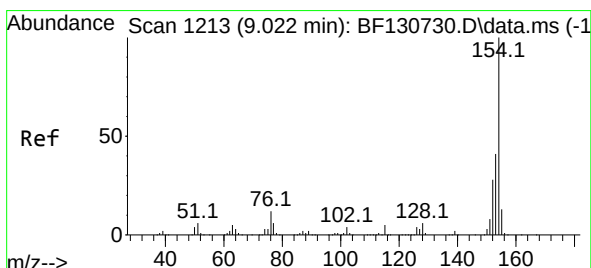
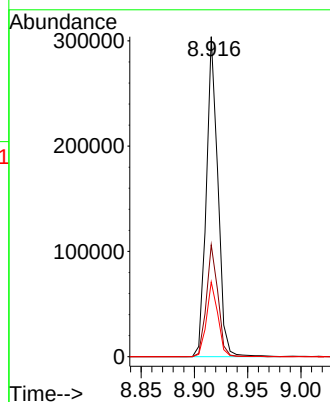
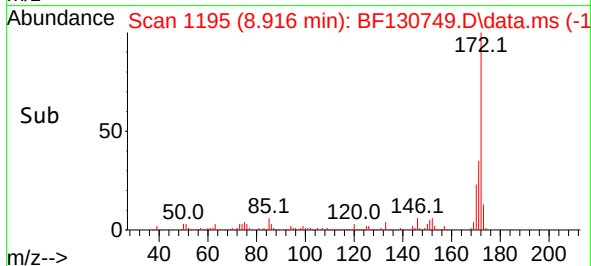


Tgt Ion:172 Resp: 230645
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.4 18.5 27.7

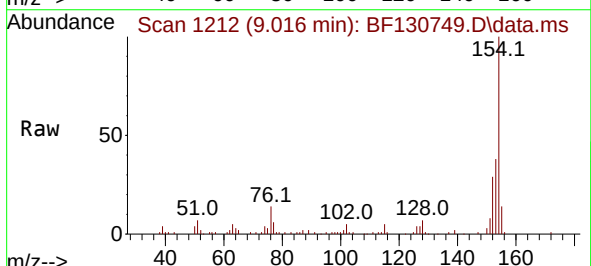
Manual Integrations

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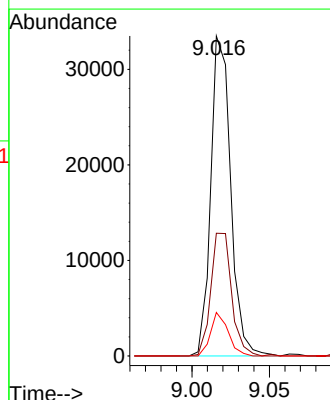
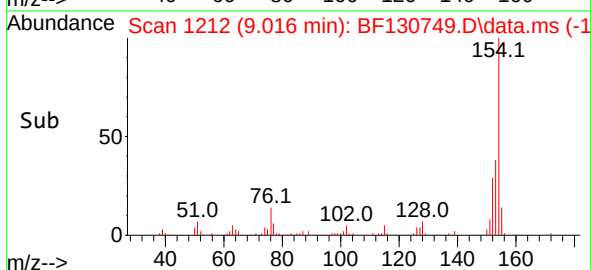
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

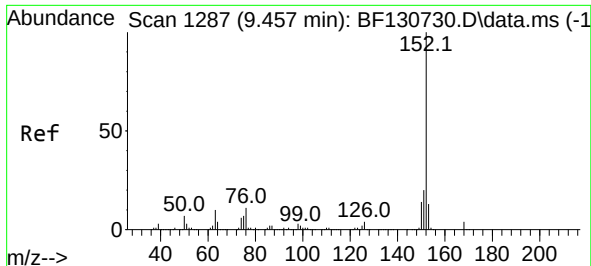


#46
1,1'-Biphenyl
Concen: 3.604 ng
RT: 9.016 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20



Tgt Ion:154 Resp: 29894
Ion Ratio Lower Upper
154 100
153 38.3 20.7 60.7
76 13.6 0.0 31.7





#49

Acenaphthylene

Concen: 4.794 ng

RT: 9.451 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

Tgt Ion:152 Resp: 48720

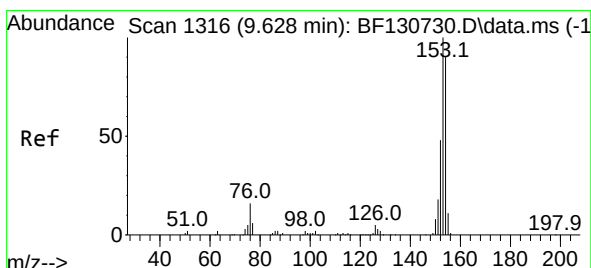
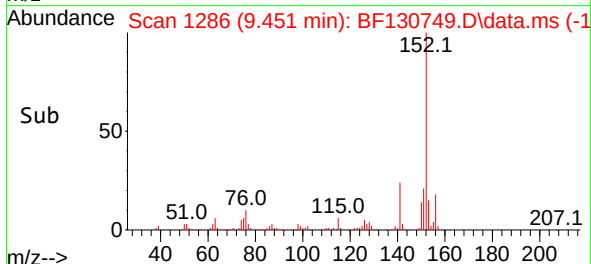
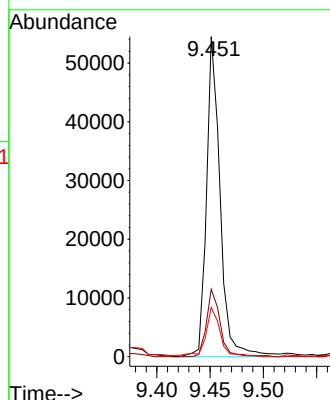
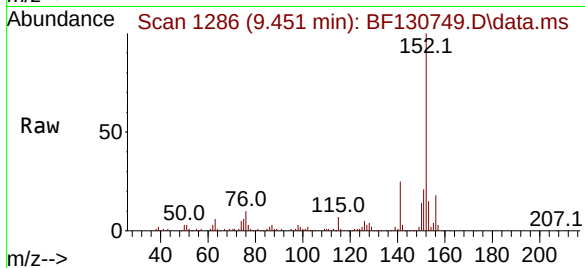
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.0	24.0
153	15.4	10.5	15.7

Manual Integrations

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#52

Acenaphthene

Concen: 27.252 ng

RT: 9.622 min Scan# 1315

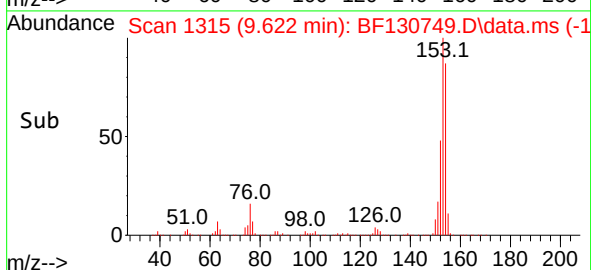
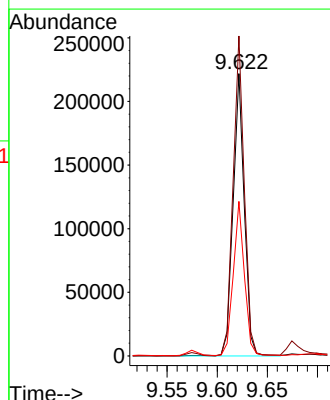
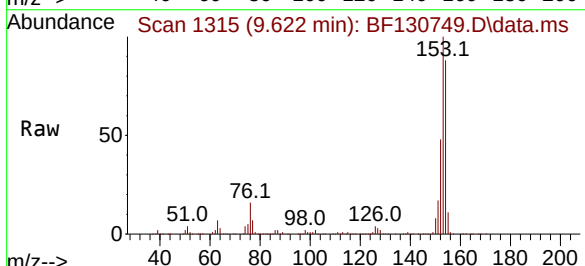
Delta R.T. -0.006 min

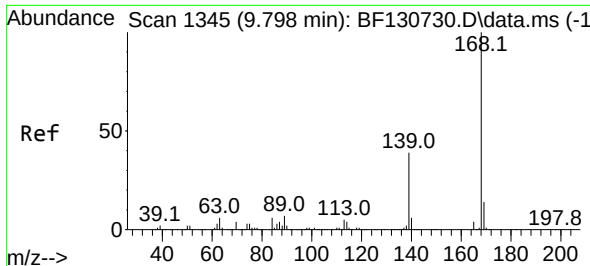
Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Tgt Ion:154 Resp: 172173

Ion	Ratio	Lower	Upper
154	100		
153	113.3	88.4	132.6
152	54.7	42.0	63.0





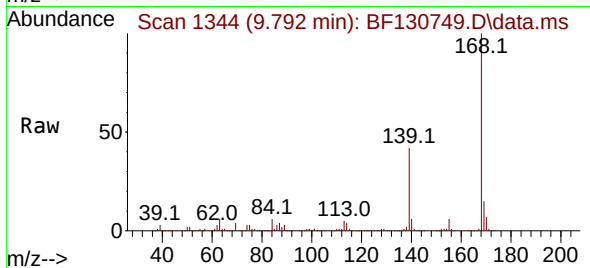
#55
Dibenzenofuran
Concen: 20.526 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

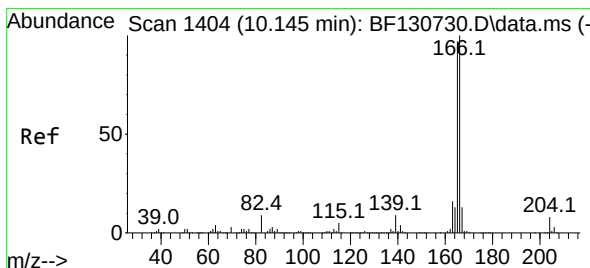
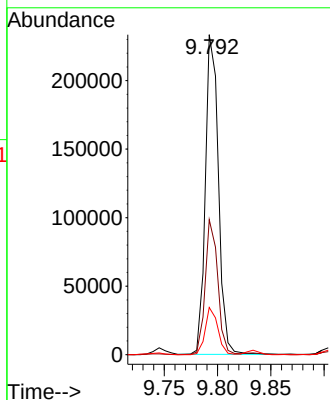
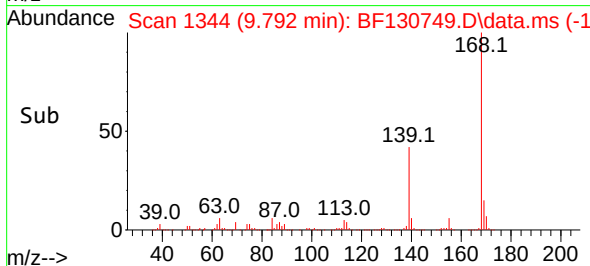


Tgt Ion:168 Resp: 199602
Ion Ratio Lower Upper
168 100
139 42.2 34.3 51.5
169 14.8 11.0 16.6

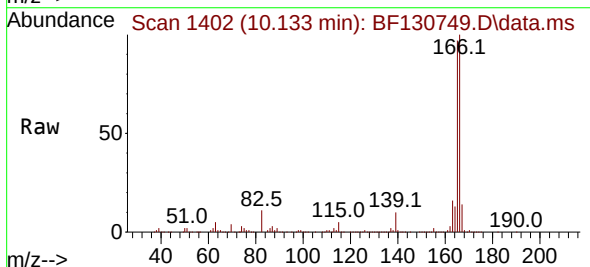
Manual Integrations

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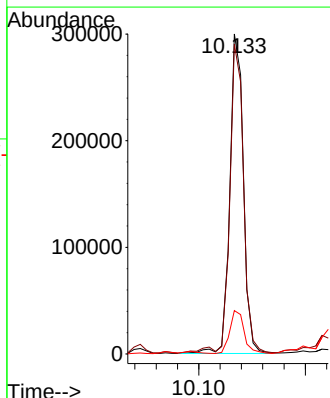
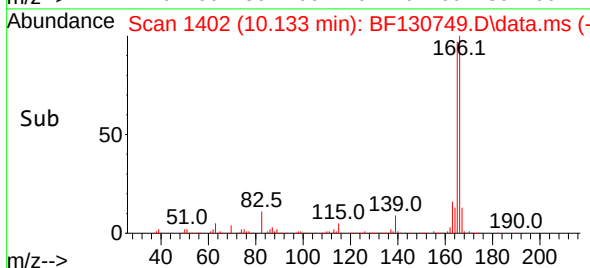
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

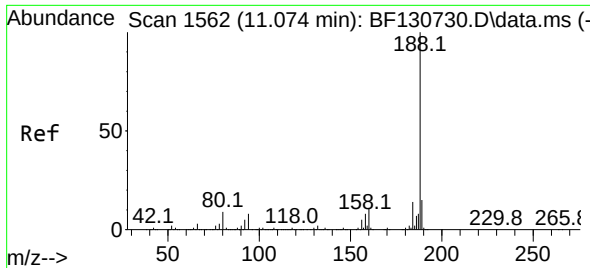


#58
Fluorene
Concen: 32.778 ng
RT: 10.133 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20



Tgt Ion:166 Resp: 265099
Ion Ratio Lower Upper
166 100
165 96.8 77.6 116.4
167 13.5 10.3 15.5





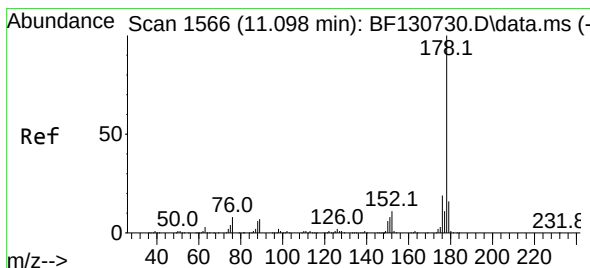
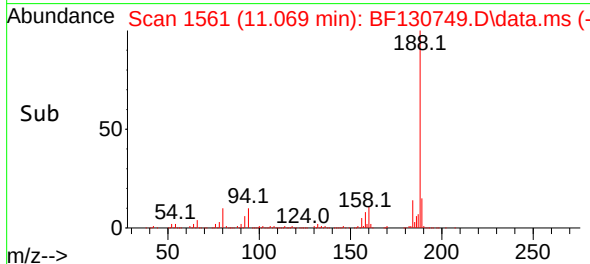
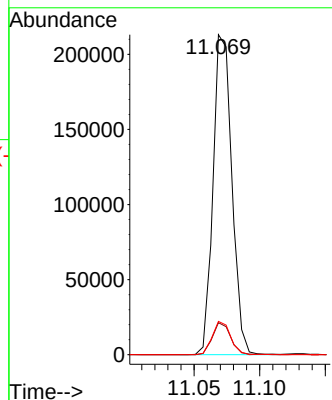
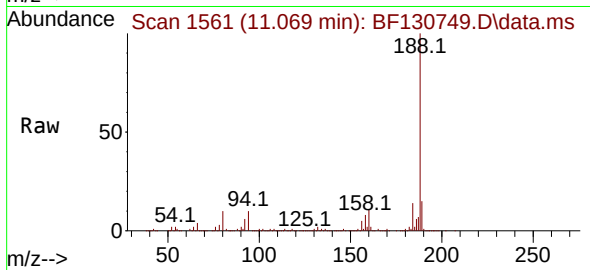
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.069 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Instrument :
BNA_F
ClientSampleId :
OR-3-102022

Tgt Ion:188 Resp: 21280
Ion Ratio Lower Upper
188 100
94 10.0 6.7 10.1
80 10.4 7.4 11.0

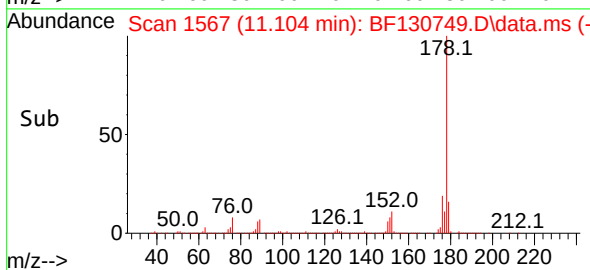
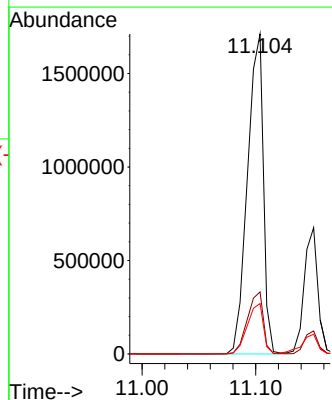
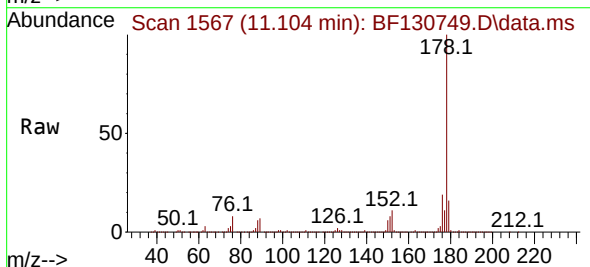
Manual Integrations
APPROVED

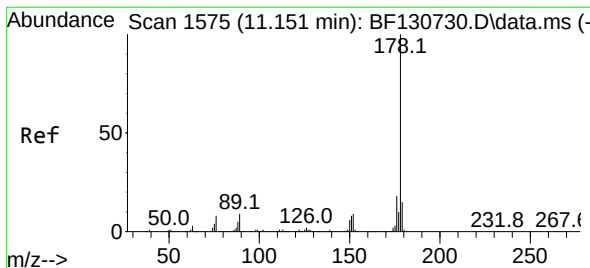
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#71
Phenanthrene
Concen: 142.521 ng
RT: 11.104 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

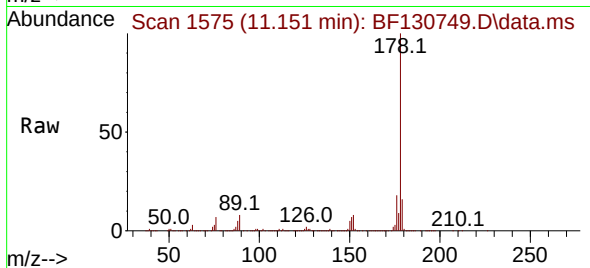
Tgt Ion:178 Resp: 1663140
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.8 12.4 18.6





#72
 Anthracene
 Concen: 47.567 ng
 RT: 11.151 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF130749.D
 Acq: 21 Oct 2022 17:20

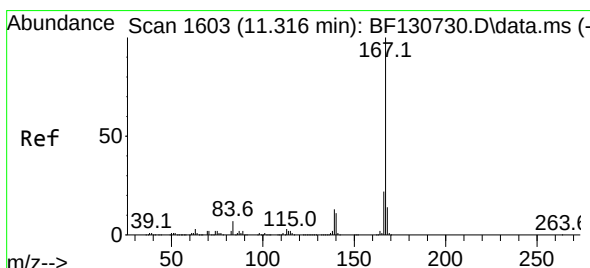
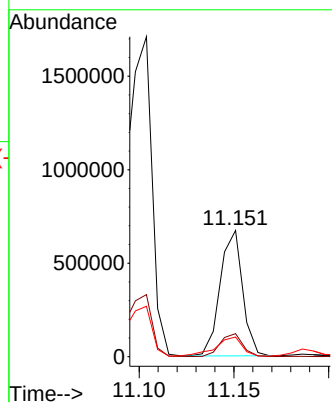
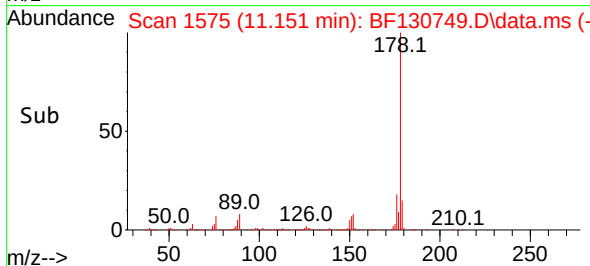
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-102022



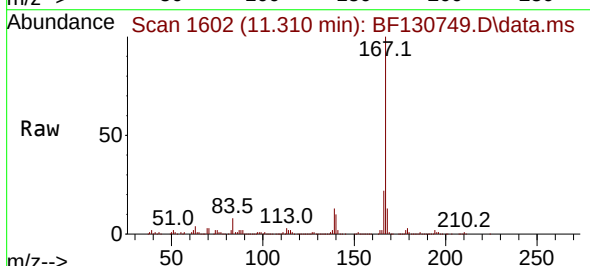
Tgt Ion:178 Resp: 55392
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 15.6 12.4 18.6

Manual Integrations
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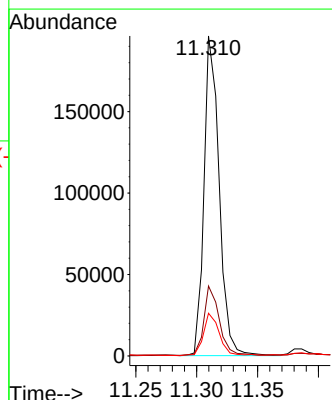
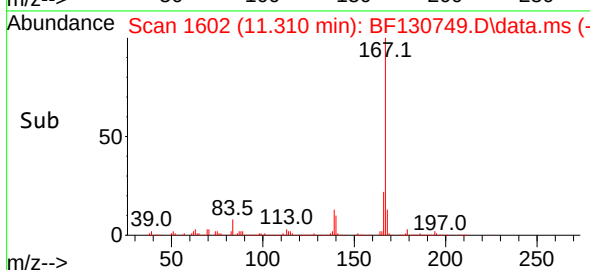
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022

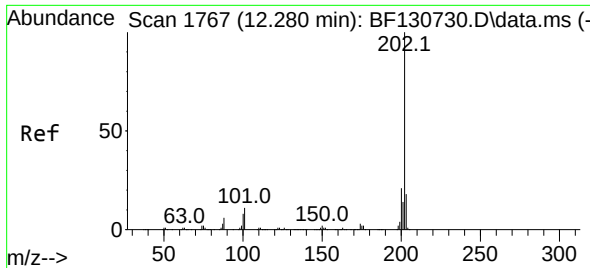


#73
 Carbazole
 Concen: 15.843 ng
 RT: 11.310 min Scan# 1602
 Delta R.T. -0.006 min
 Lab File: BF130749.D
 Acq: 21 Oct 2022 17:20



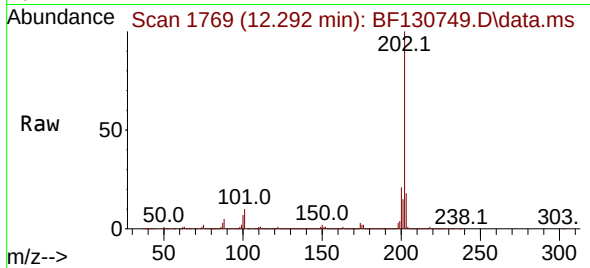
Tgt Ion:167 Resp: 170338
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 13.4 10.7 16.1





#75
Fluoranthene
Concen: 152.109 ng
RT: 12.292 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

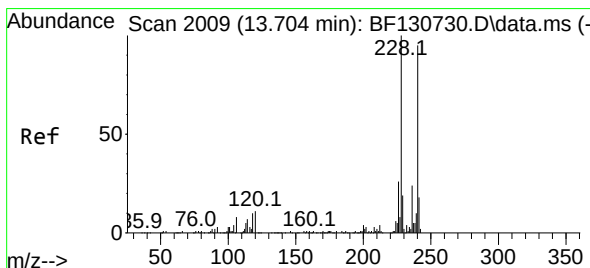
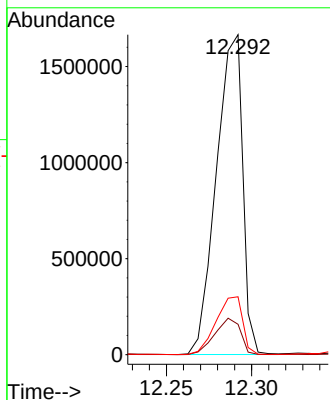
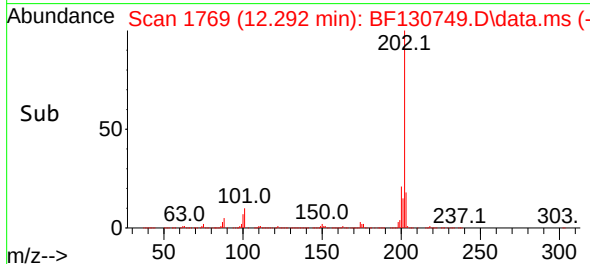
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



Tgt Ion:202 Resp: 1794479
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 18.1 0.0 37.6

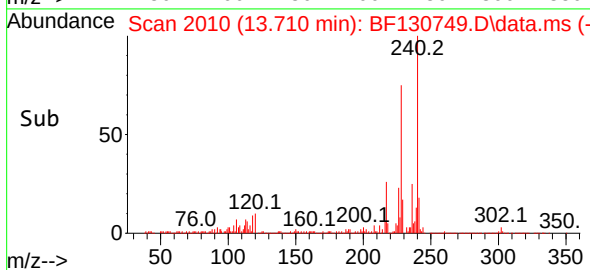
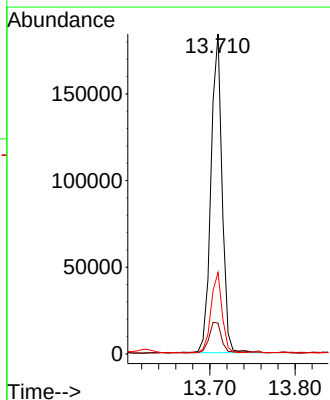
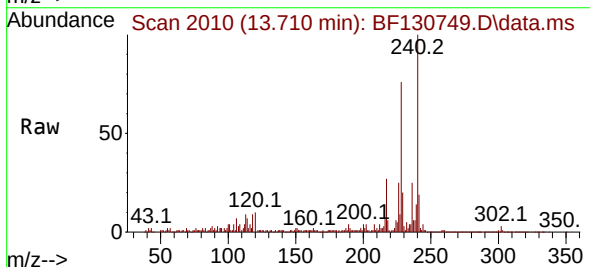
Manual Integrations
APPROVED

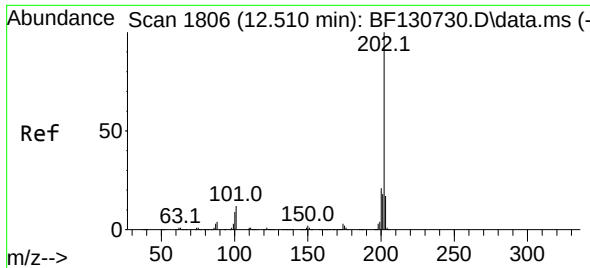
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

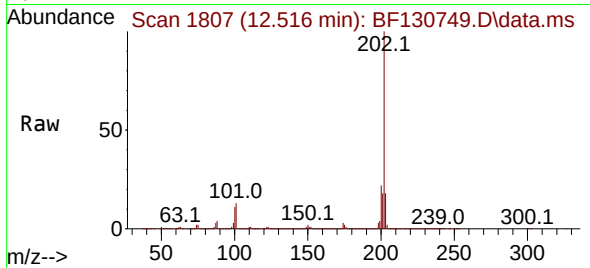
Tgt Ion:240 Resp: 166678
Ion Ratio Lower Upper
240 100
120 9.7 9.6 14.4
236 25.5 20.2 30.2





#78
Pyrene
Concen: 116.730 ng
RT: 12.516 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

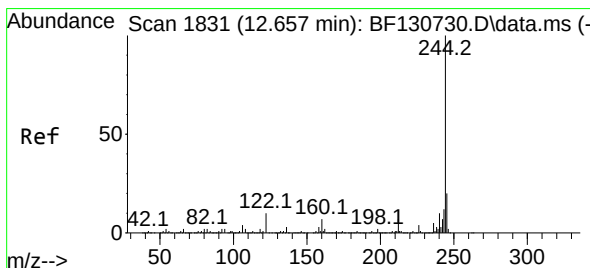
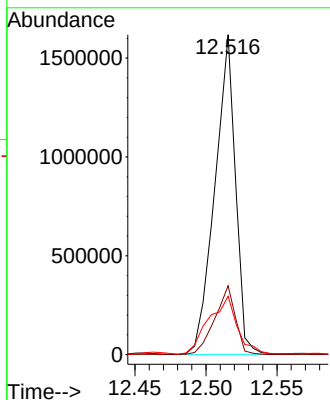
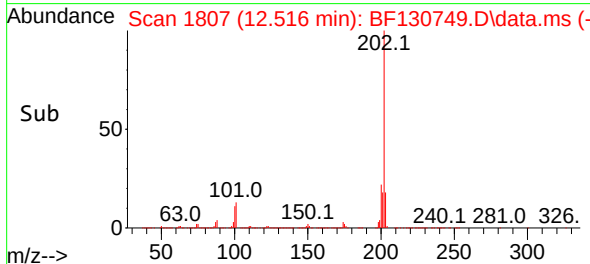
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



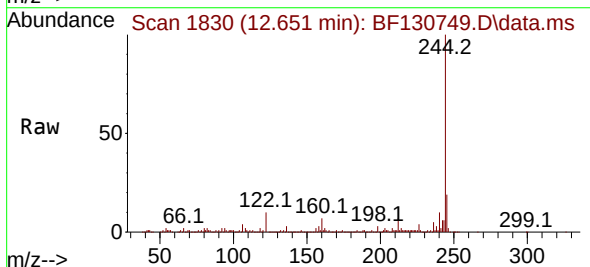
Tgt Ion:202 Resp: 1633129
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 18.3 13.8 20.8

Manual Integrations
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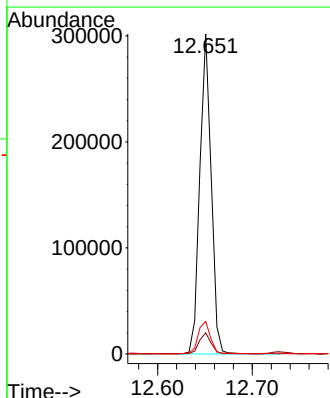
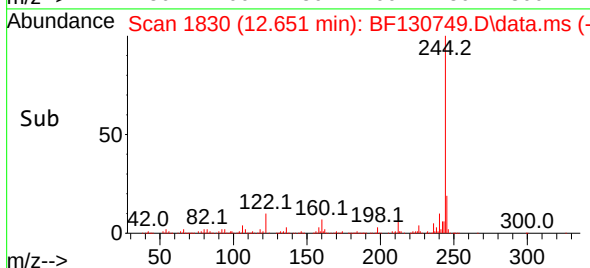
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

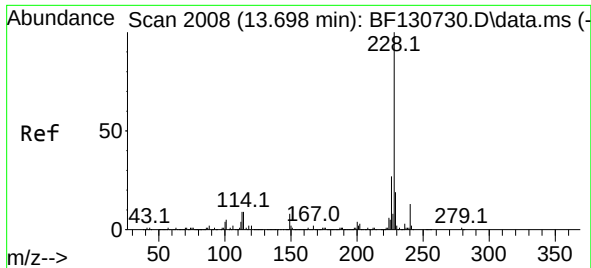


#79
Terphenyl-d14
Concen: 25.460 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20



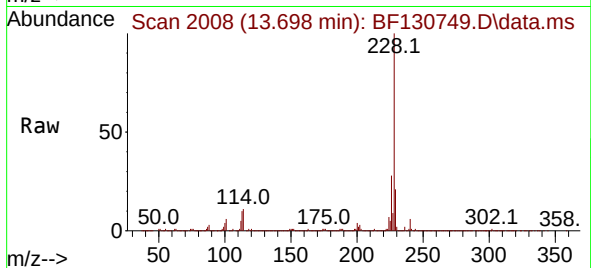
Tgt Ion:244 Resp: 251823
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.2 8.2 12.4





#81
Benzo(a)anthracene
Concen: 69.533 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

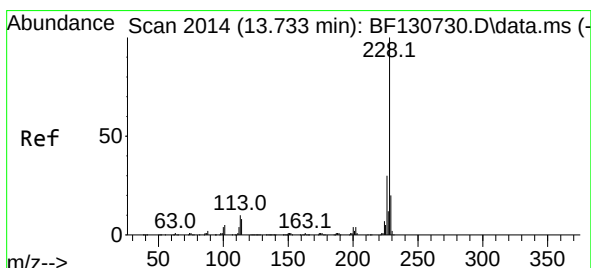
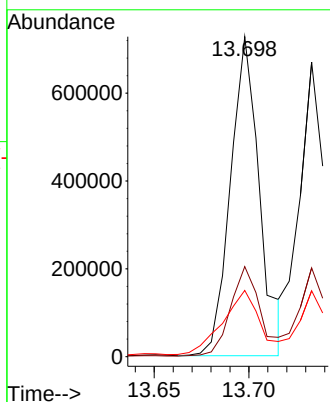
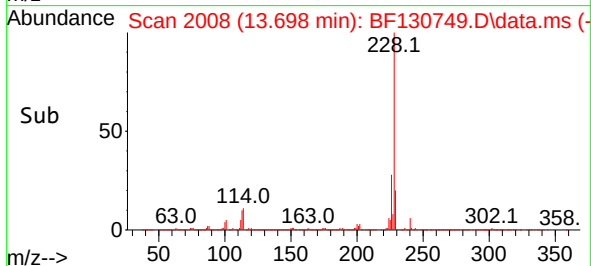
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



Tgt Ion:228 Resp: 77439
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 20.7 15.4 23.2

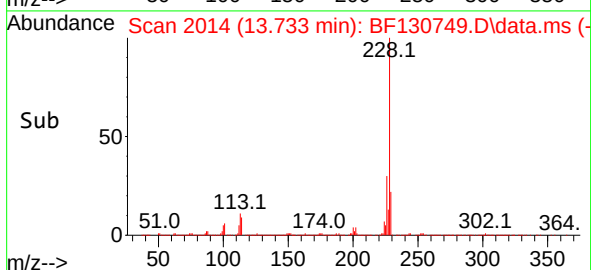
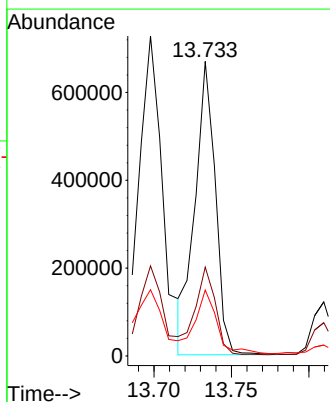
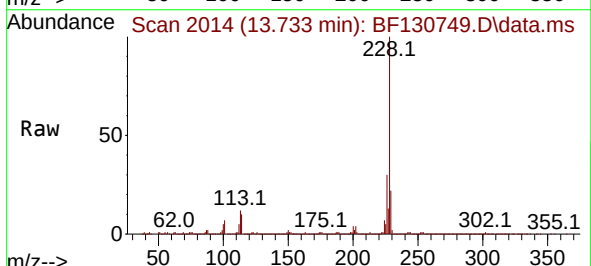
Manual Integrations
APPROVED

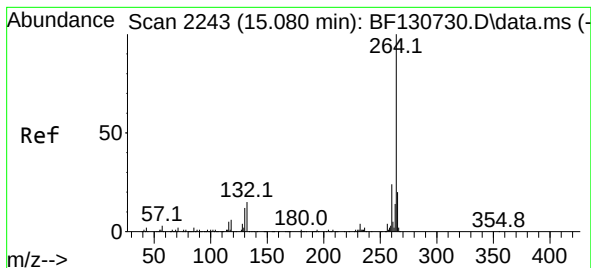
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#83
Chrysene
Concen: 56.746 ng
RT: 13.733 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Tgt Ion:228 Resp: 612343
Ion Ratio Lower Upper
228 100
226 30.2 23.6 35.4
229 22.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.086 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022

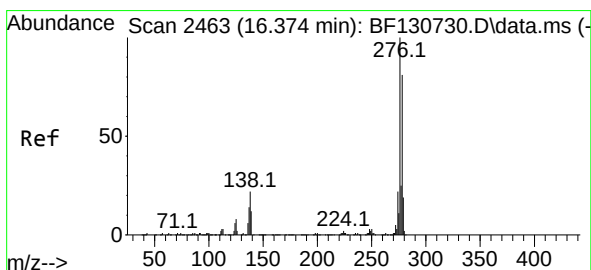
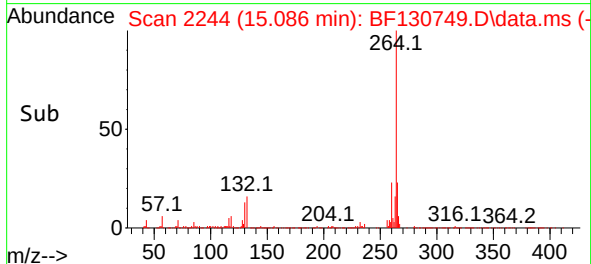
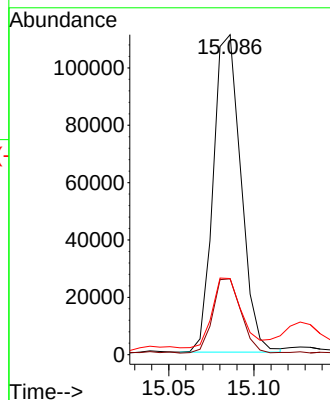
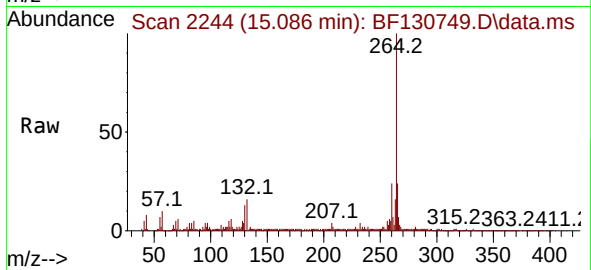
Tgt Ion:	264	Resp:	125000
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	23.8	16.2	24.4

Manual Integrations

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Reviewed By :Christian Giraldo 10/24/2022

Supervised By :Jagrut Upadhyay 10/24/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 26.181 ng

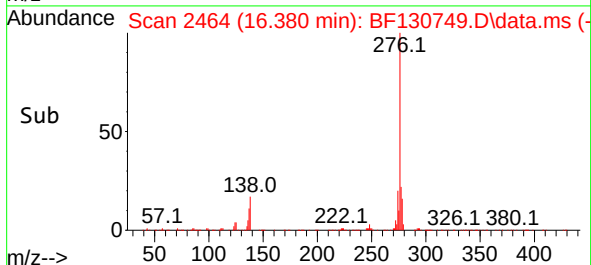
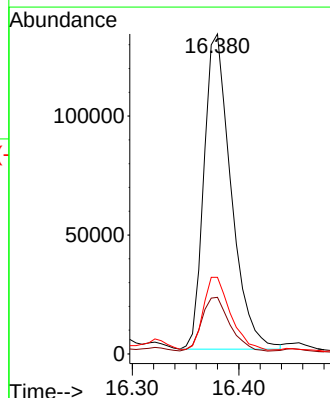
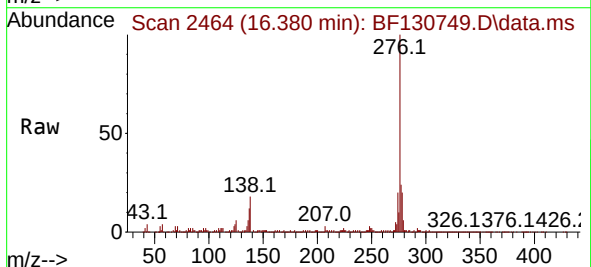
RT: 16.380 min Scan# 2464

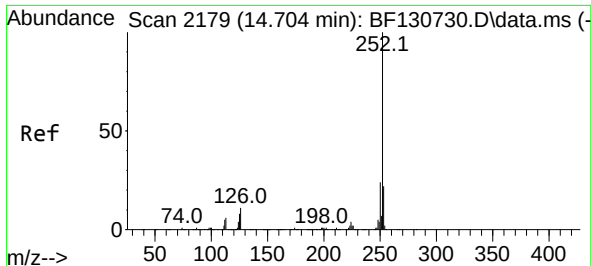
Delta R.T. 0.006 min

Lab File: BF130749.D

Acq: 21 Oct 2022 17:20

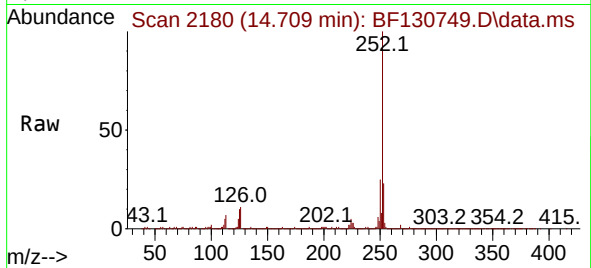
Tgt Ion:	276	Resp:	234717
Ion Ratio	Lower	Upper	
276	100		
138	18.4	17.2	25.8
277	22.9	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 74.473 ng m
RT: 14.709 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

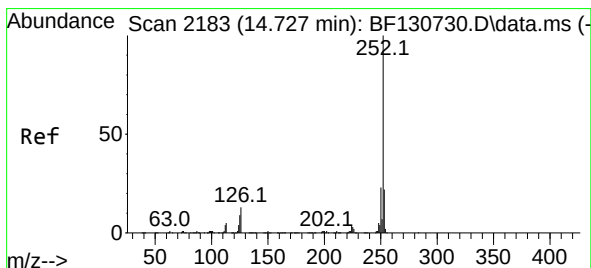
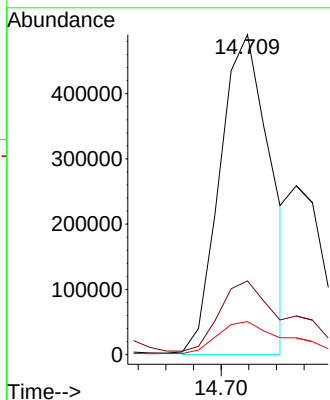
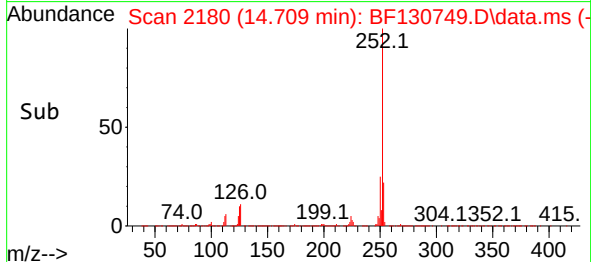
Instrument :
BNA_F
ClientSampleId :
OR-3-102022



Tgt Ion:252 Resp: 619830
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.4 6.4 9.6

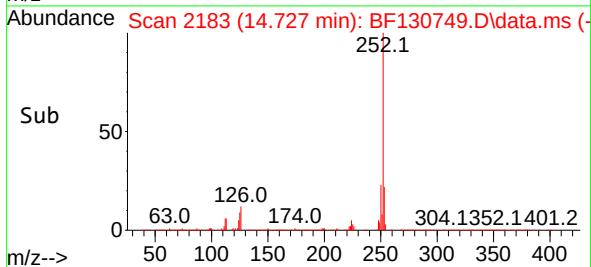
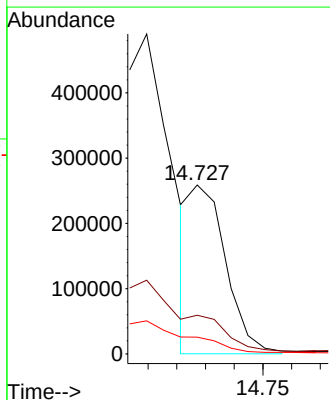
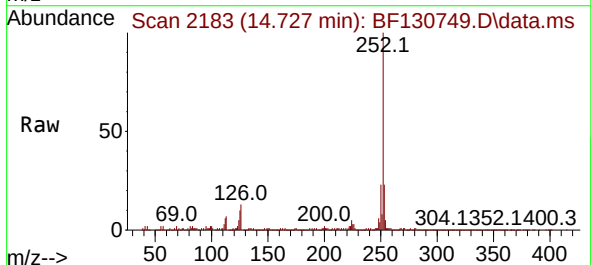
Manual Integrations
APPROVED

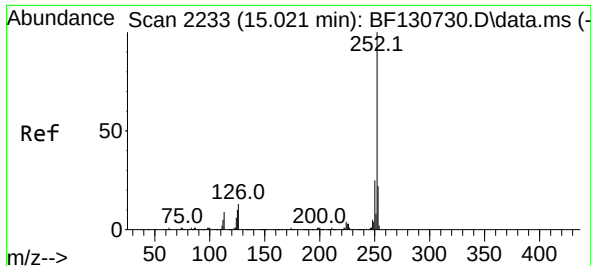
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#89
Benzo(k)fluoranthene
Concen: 26.663 ng m
RT: 14.727 min Scan# 2183
Delta R.T. -0.000 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Tgt Ion:252 Resp: 222947
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.9 7.2 10.8





#90
Benzo(a)pyrene
Concen: 74.027 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

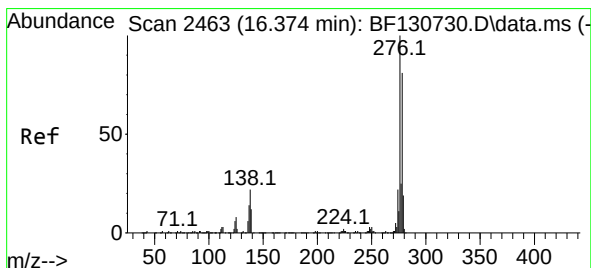
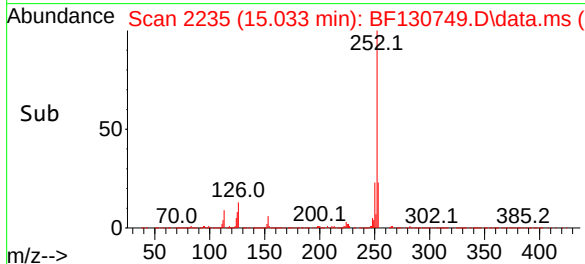
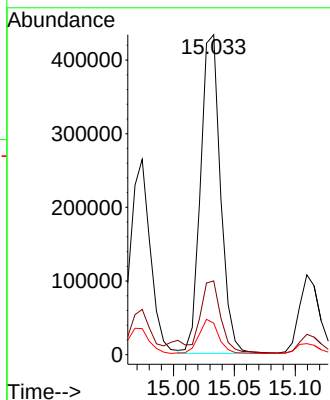
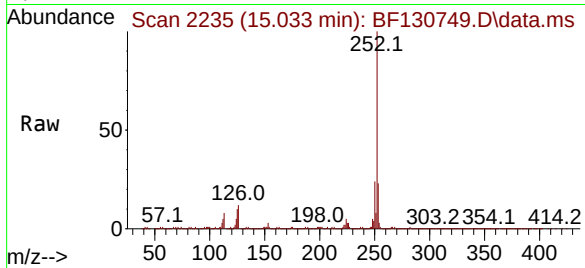
ClientSampleId :

OR-3-102022

Tgt Ion:252 Resp: 494852
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.9 8.3 12.5

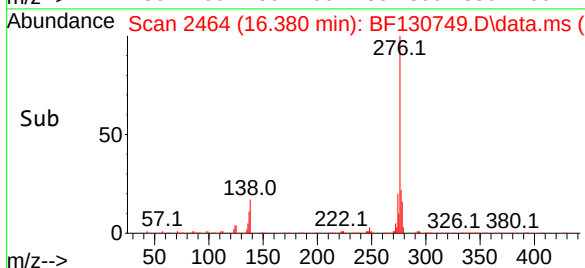
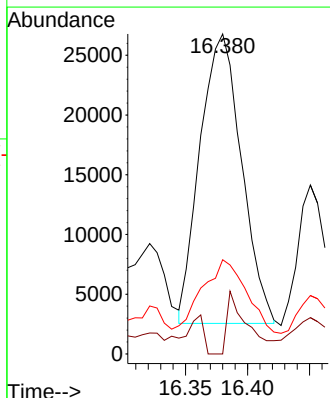
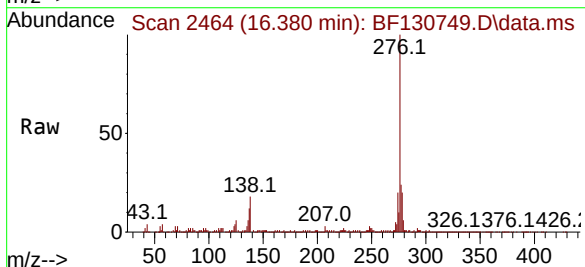
Manual Integrations
APPROVED

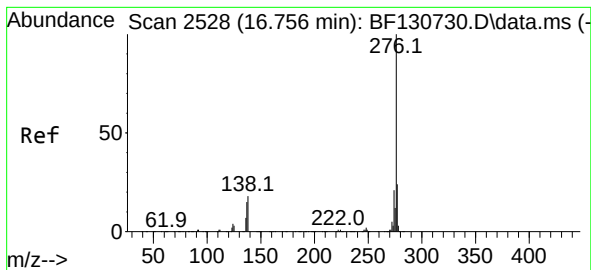
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#91
Dibenzo(a,h)anthracene
Concen: 7.592 ng m
RT: 16.380 min Scan# 2464
Delta R.T. 0.006 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Tgt Ion:278 Resp: 56241
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.0#
279 29.5 18.4 27.6#





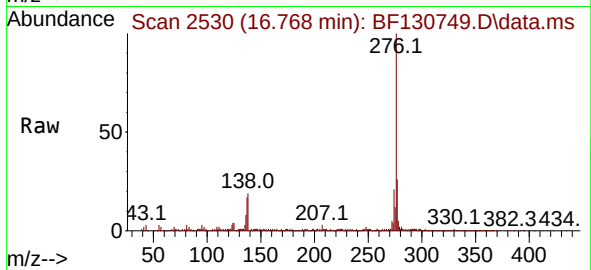
#92
Benzo(g,h,i)perylene
Concen: 29.324 ng
RT: 16.768 min Scan# 21786
Delta R.T. 0.012 min
Lab File: BF130749.D
Acq: 21 Oct 2022 17:20

Instrument :

BNA_F

ClientSampleId :

OR-3-102022



Tgt Ion: 276 Resp: 21786
Ion Ratio Lower Upper
276 100
277 25.9 19.1 28.7
138 18.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 10/24/2022
Supervised By : Jagrut Upadhyay 10/24/2022

