

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130747.D
 Acq On : 21 Oct 2022 16:16
 Operator : CG\JU
 Sample : N5171-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

Quant Time: Oct 21 18:18:27 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	94508	20.000	ng	0.00
21) Naphthalene-d8	7.840	136	287033	20.000	ng	0.00
39) Acenaphthene-d10	9.586	164	130876	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	185238	20.000	ng	0.00
76) Chrysene-d12	13.704	240	147452	20.000	ng	0.00
86) Perylene-d12	15.080	264	116595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	570984	104.182	ng	0.00
7) Phenol-d6	6.222	99	689721	104.013	ng	0.00
23) Nitrobenzene-d5	7.134	82	406786	75.180	ng	0.00
42) 2,4,6-Tribromophenol	10.381	330	115554	92.842	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	630368	73.401	ng	0.00
79) Terphenyl-d14	12.657	244	503035	57.490	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.622	154	14568	2.095	ng	96
71) Phenanthrene	11.092	178	216141	21.278	ng	100
72) Anthracene	11.145	178	49607	4.894	ng	99
73) Carbazole	11.316	167	20996	2.243	ng	99
75) Fluoranthene	12.280	202	424640	41.351	ng	99
77) Benzidine	12.657	184	7841	Below Cal		96
78) Pyrene	12.510	202	388707	31.406	ng	99
81) Benzo(a)anthracene	13.692	228	207746	21.086	ng	98
83) Chrysene	13.733	228	193816	20.303	ng	98
87) Indeno(1,2,3-cd)pyrene	16.380	276	82765	9.898	ng	97
88) Benzo(b)fluoranthene	14.704	252	218741m	28.177	ng	
89) Benzo(k)fluoranthene	14.727	252	80636m	10.339	ng	
90) Benzo(a)pyrene	15.027	252	148281	23.781	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	19972	2.890	ng	# 84
92) Benzo(g,h,i)perylene	16.768	276	79173	11.425	ng	94

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

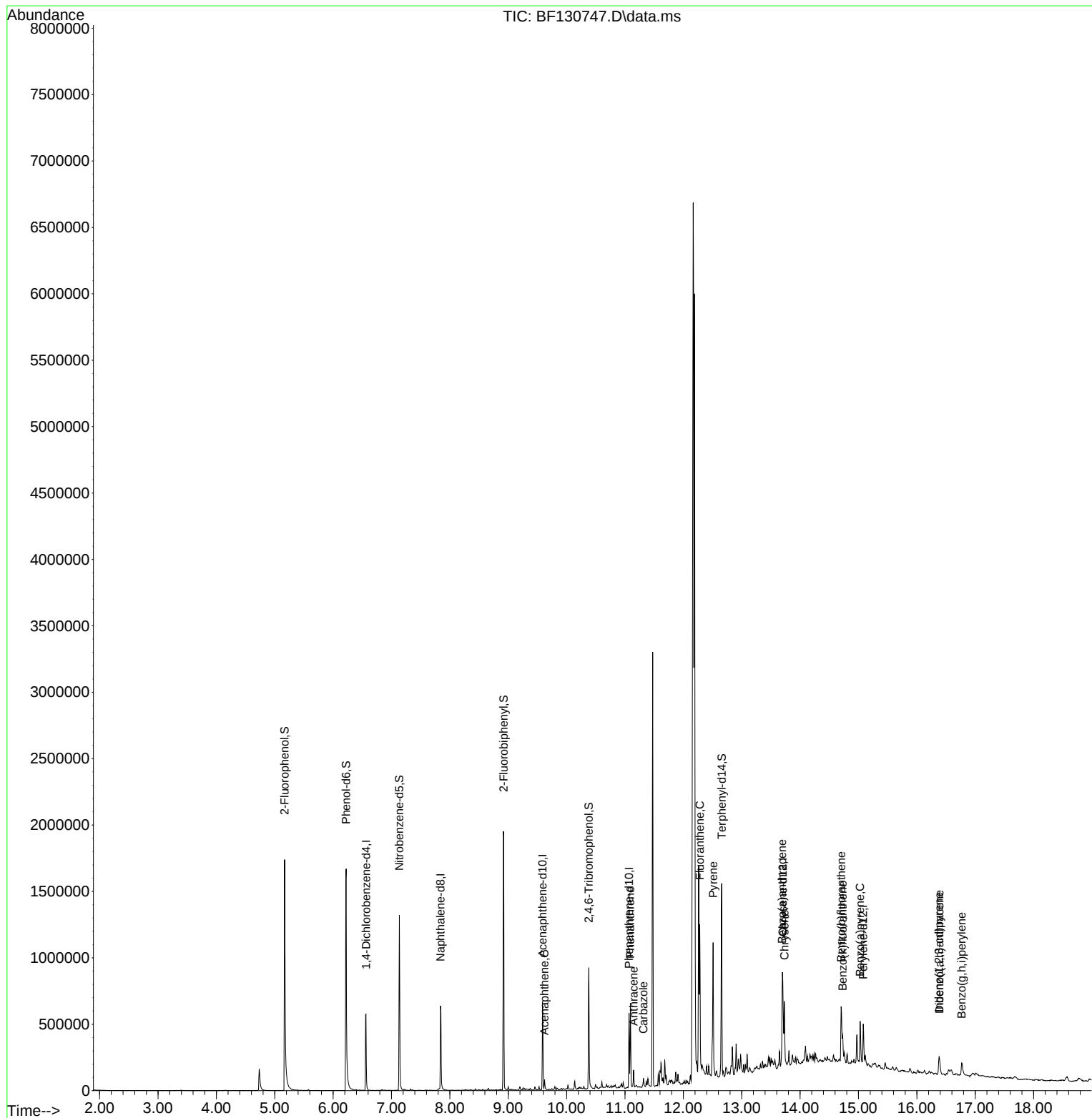
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130747.D
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Operator : CG\JU
Sample : N5171-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

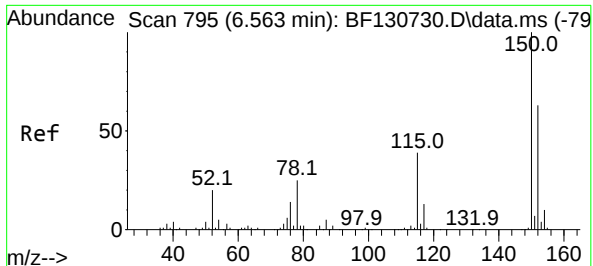
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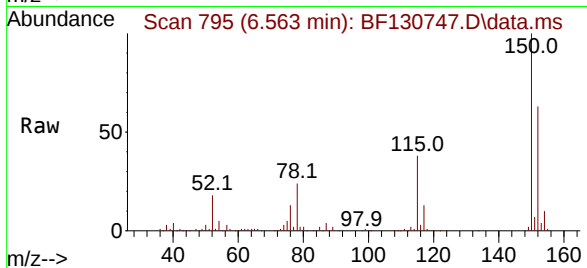
Quant Time: Oct 21 18:18:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

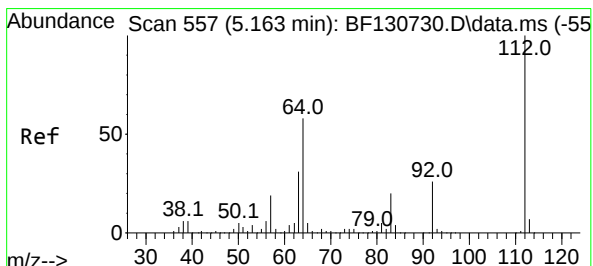
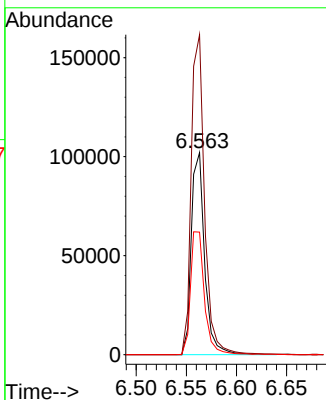
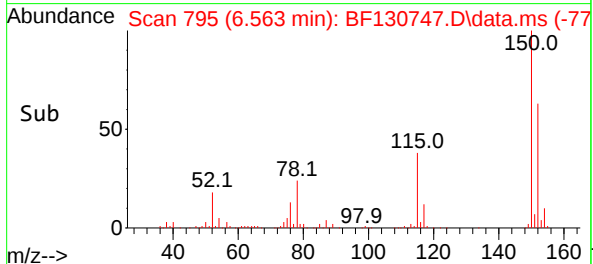
Instrument :
BNA_F
ClientSampleId :
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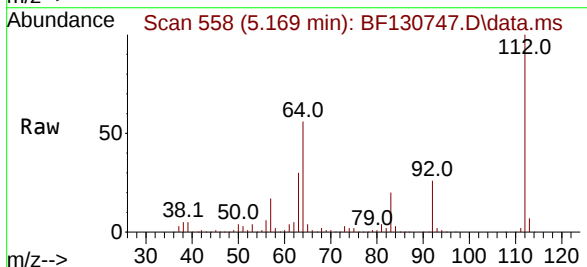
Tgt Ion:152 Resp: 94508
Ion Ratio Lower Upper
152 100
150 158.3 127.0 190.6
115 60.7 49.9 74.9

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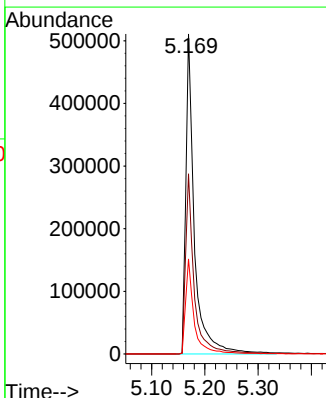
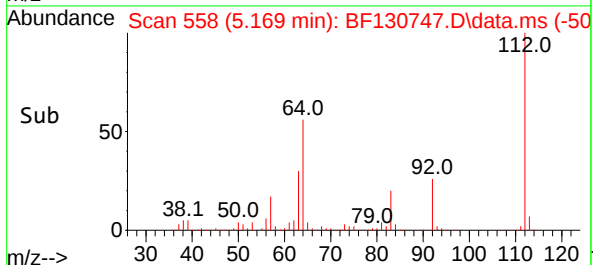
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

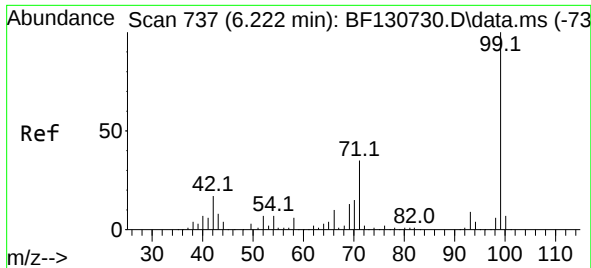


#5
2-Fluorophenol
Concen: 104.182 ng
RT: 5.169 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



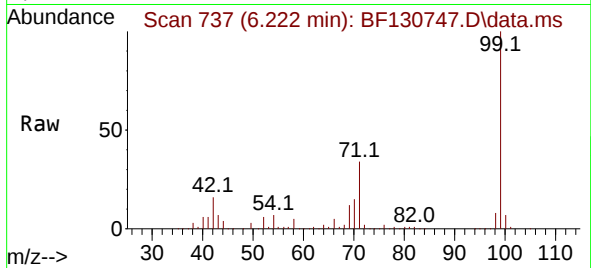
Tgt Ion:112 Resp: 570984
Ion Ratio Lower Upper
112 100
64 56.3 46.2 69.4
63 29.7 25.1 37.7





#7
Phenol-d6
Concen: 104.013 ng
RT: 6.222 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

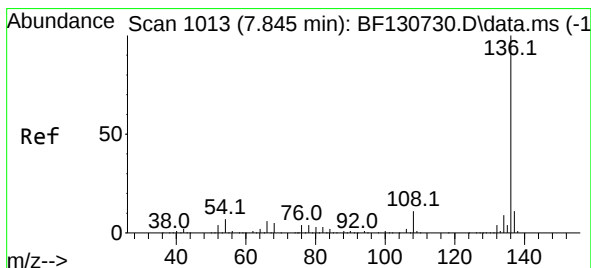
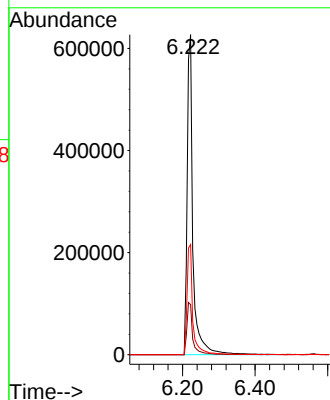
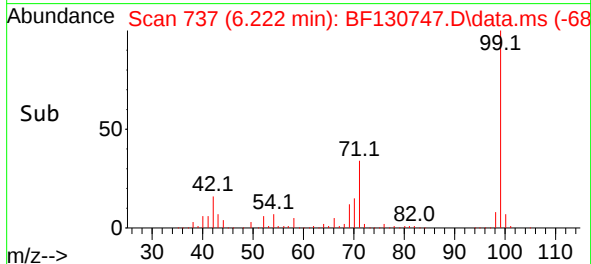
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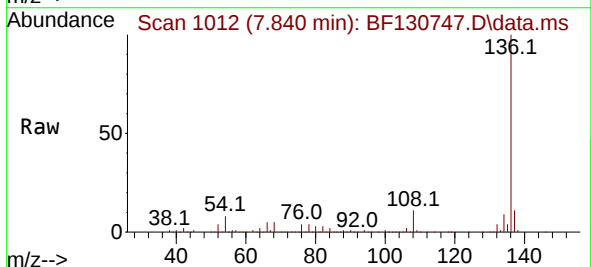
Tgt Ion: 99 Resp: 68972
Ion Ratio Lower Upper
99 100
42 15.7 13.8 20.8
71 34.4 28.3 42.5

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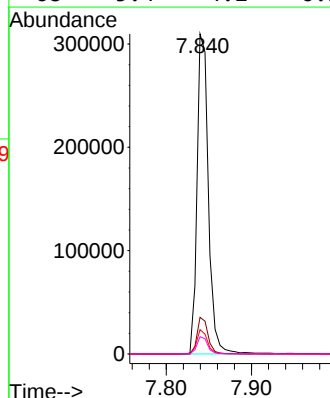
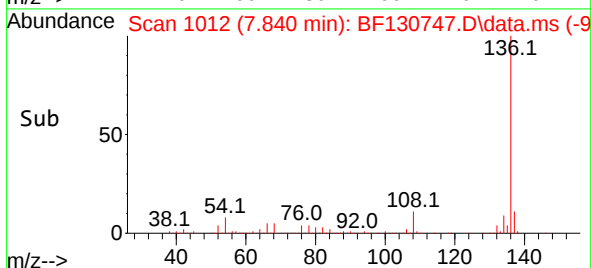
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

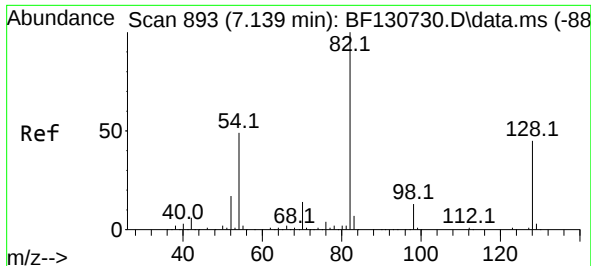


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.840 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



Tgt Ion:136 Resp: 287033
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.6 5.8 8.8
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 75.180 ng

RT: 7.134 min Scan# 89

Delta R.T. -0.005 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

Tgt Ion: 82 Resp: 406780

Ion Ratio Lower Upper

82 100

128 44.2 35.9 53.9

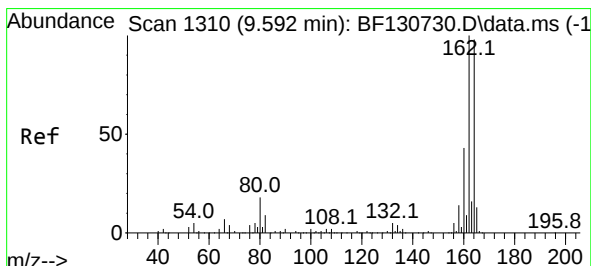
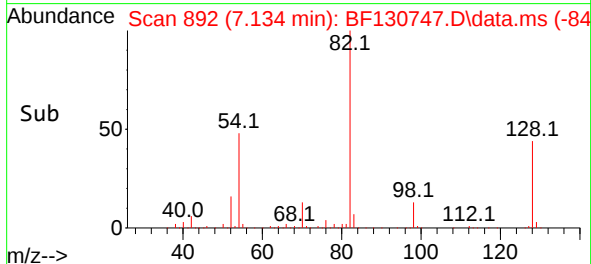
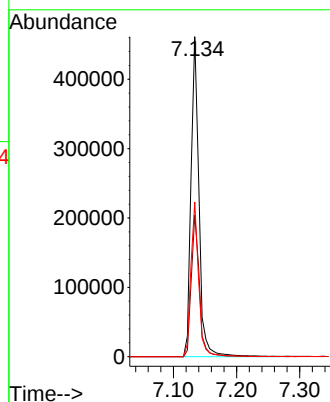
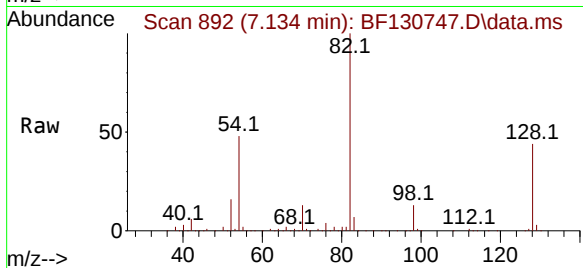
54 48.3 39.2 58.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.586 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

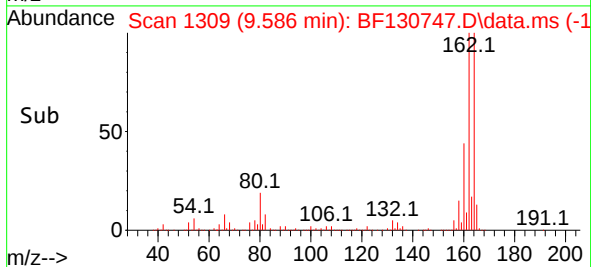
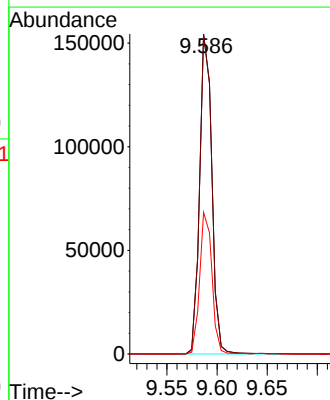
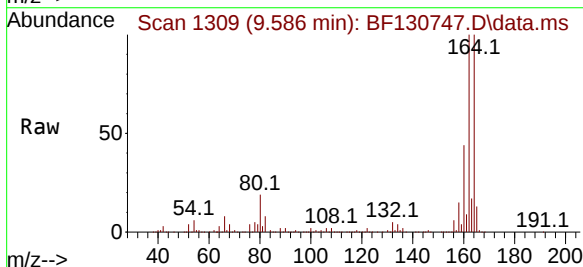
Tgt Ion:164 Resp: 130876

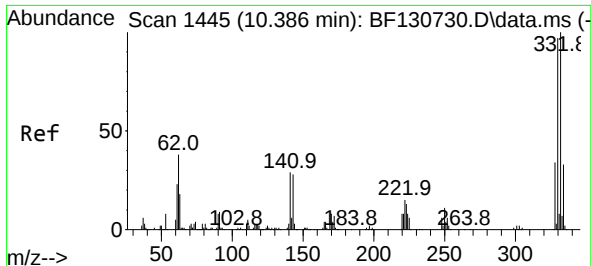
Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.0

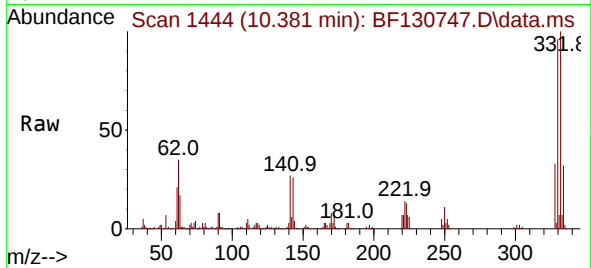
160 44.3 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 92.842 ng
RT: 10.381 min Scan# 1444
Delta R.T. -0.005 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

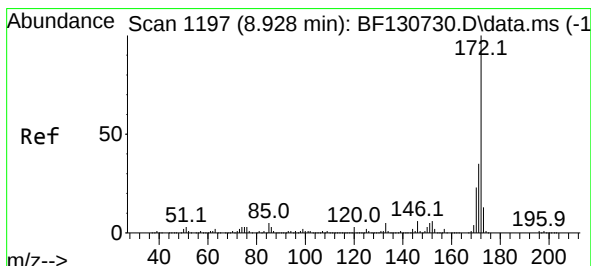
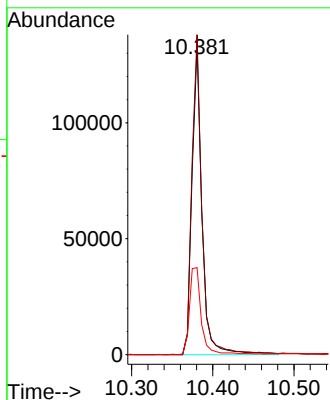
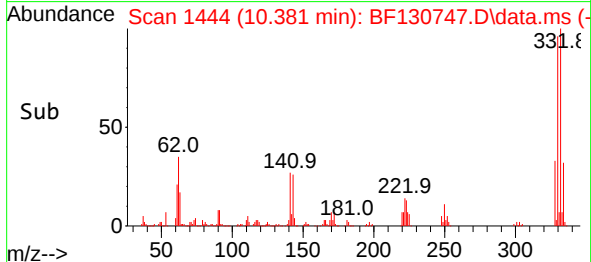
Instrument :
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ClientSampleId :
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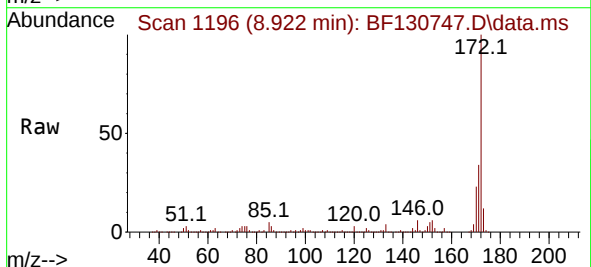
Tgt Ion: 330 Resp: 11554
Ion Ratio Lower Upper
330 100
332 103.4 81.4 122.2
141 33.4 24.6 37.0

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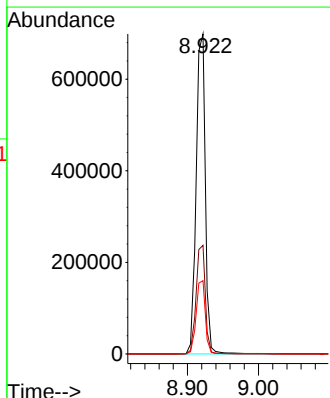
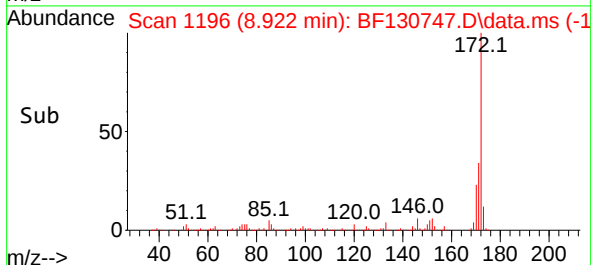
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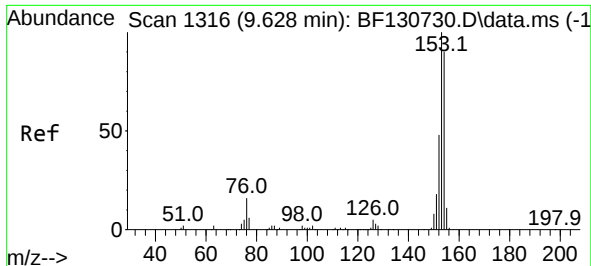


#45
2-Fluorobiphenyl
Concen: 73.401 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



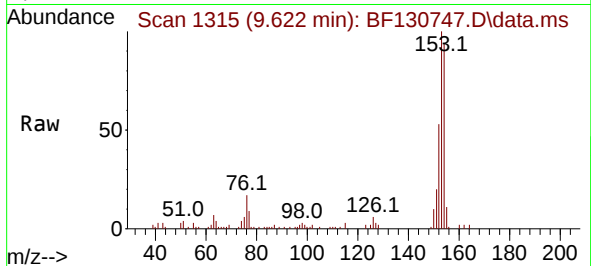
Tgt Ion: 172 Resp: 630368
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 22.9 18.5 27.7





#52
Acenaphthene
Concen: 2.095 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

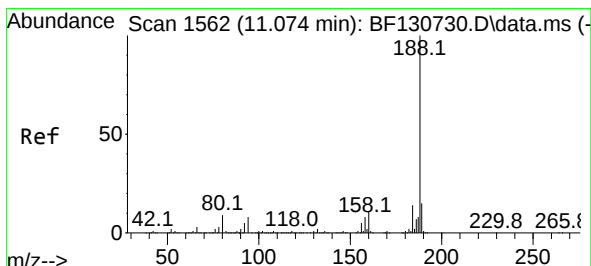
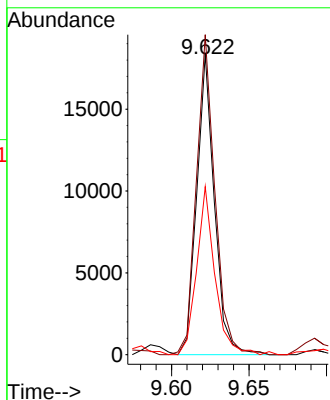
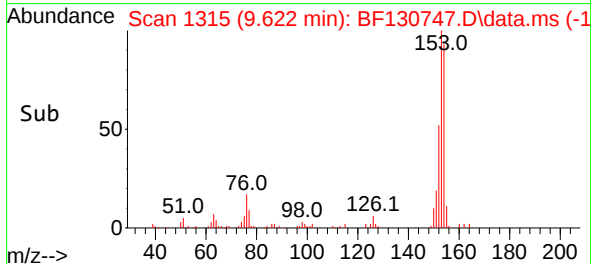
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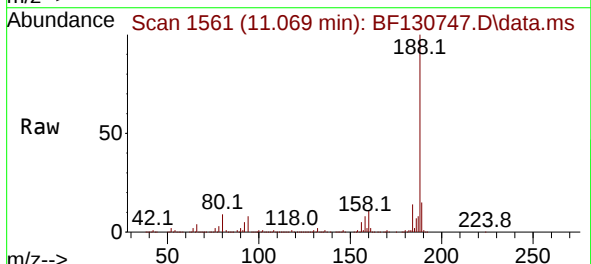
Tgt Ion:154 Resp: 1456
Ion Ratio Lower Upper
154 100
153 106.4 88.4 132.6
152 55.8 42.0 63.0

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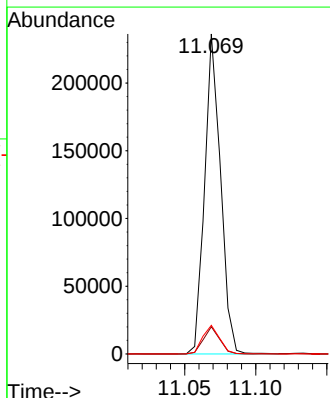
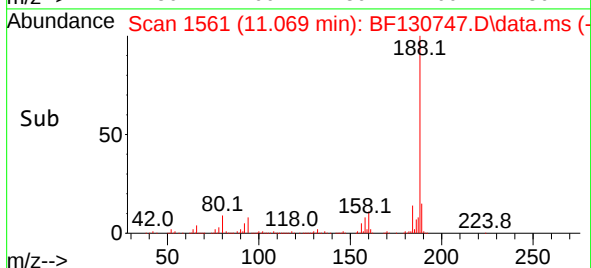
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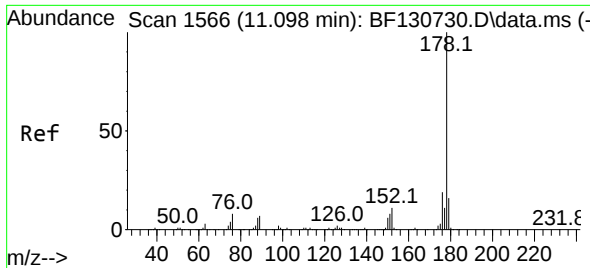


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.069 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



Tgt Ion:188 Resp: 185238
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 9.0 7.4 11.0





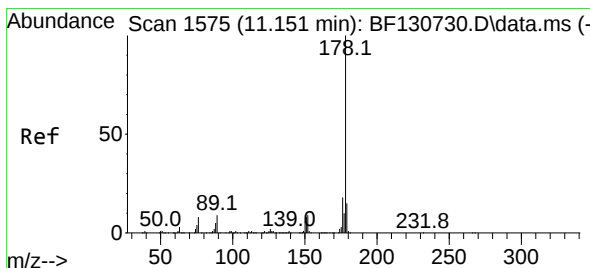
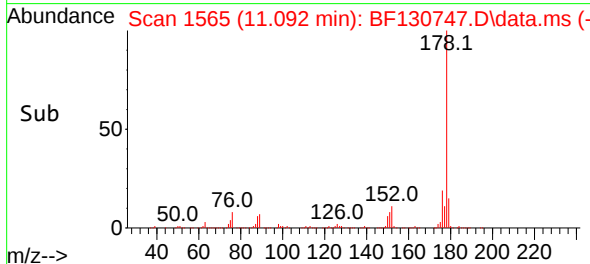
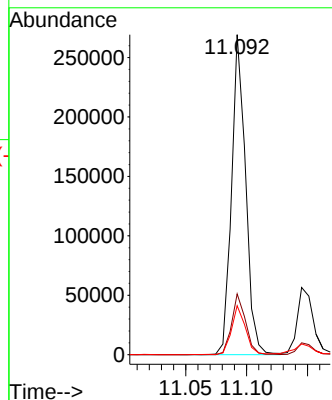
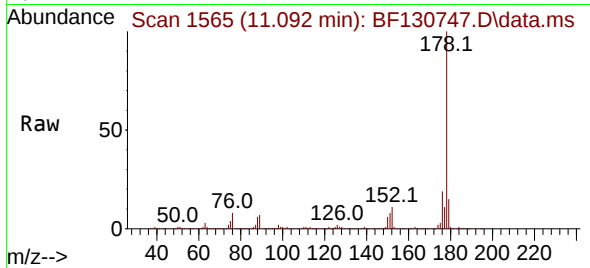
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Phenanthrene
Concen: 21.278 ng
RT: 11.092 min Scan# 11092
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 21614
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.3 12.4 18.6

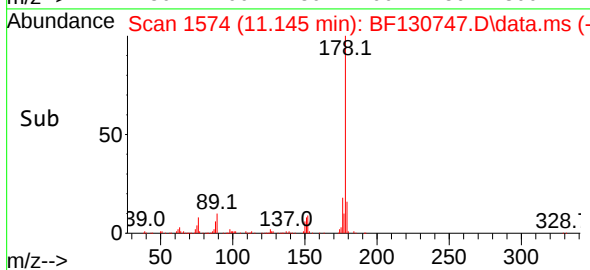
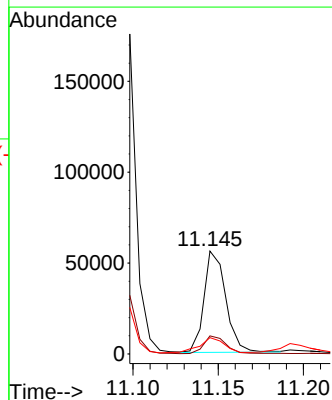
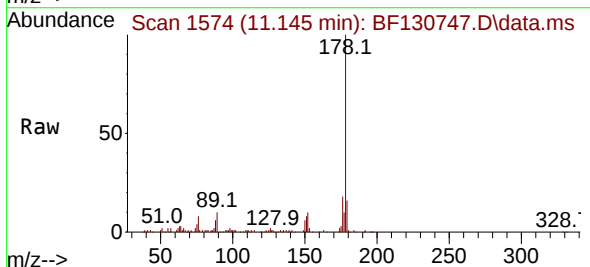
Manual Integrations
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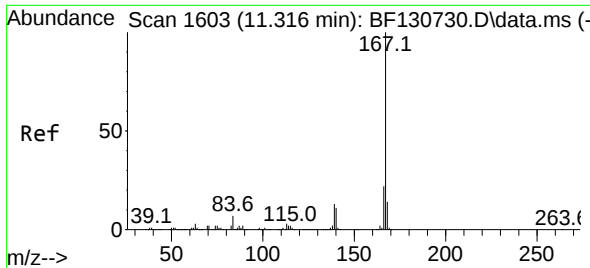
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#72
Anthracene
Concen: 4.894 ng
RT: 11.145 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

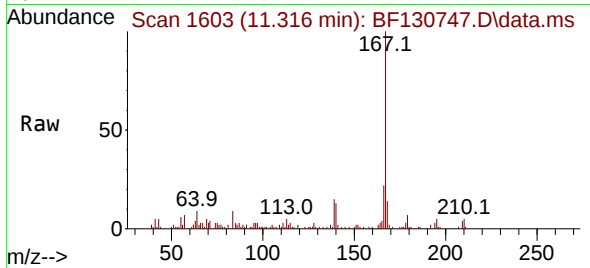
Tgt Ion:178 Resp: 49607
Ion Ratio Lower Upper
178 100
176 17.5 14.6 21.8
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 2.243 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130747.D
 Acq: 21 Oct 2022 16:16

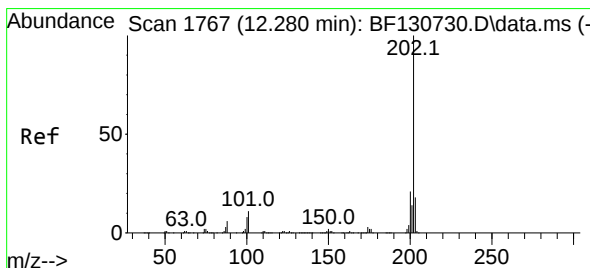
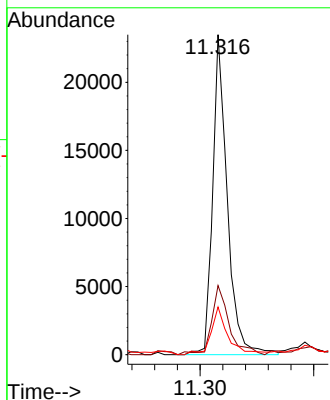
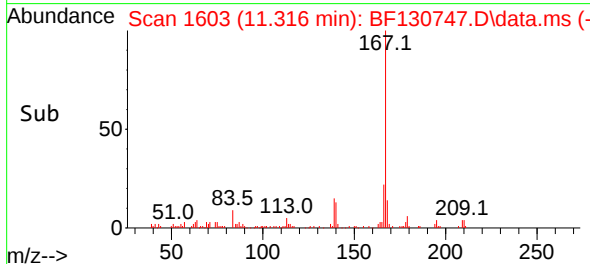
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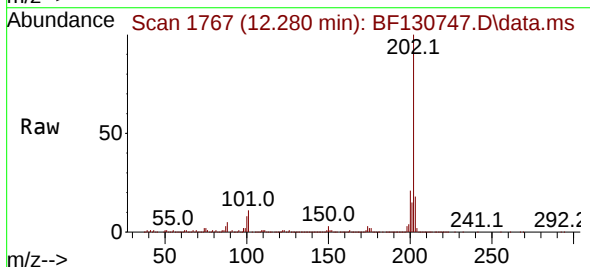
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 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 14.9 10.7 16.1

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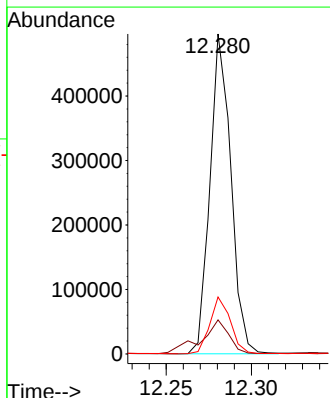
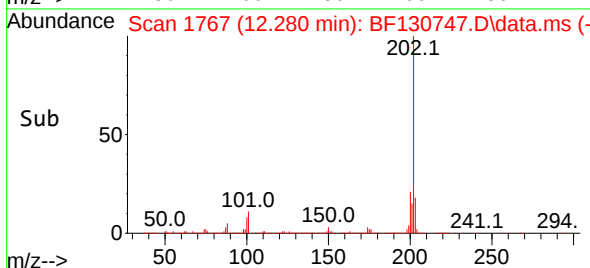
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022

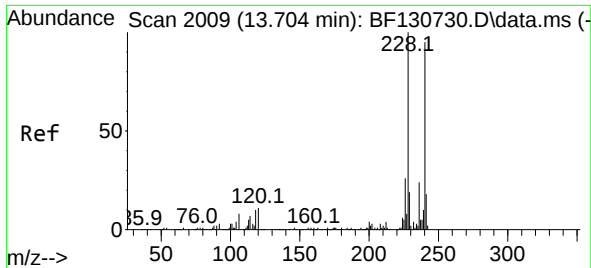


#75
 Fluoranthene
 Concen: 41.351 ng
 RT: 12.280 min Scan# 1767
 Delta R.T. 0.000 min
 Lab File: BF130747.D
 Acq: 21 Oct 2022 16:16



Tgt Ion:202 Resp: 424640
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.0
 203 17.8 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

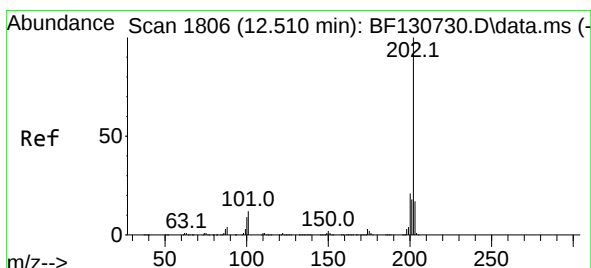
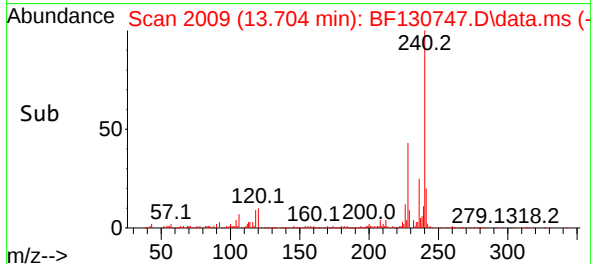
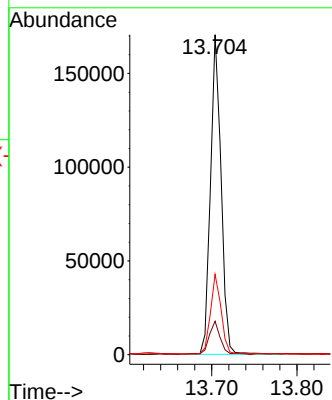
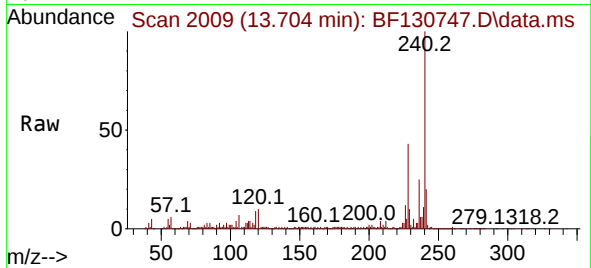
NB-08-101722

Tgt Ion:240 Resp: 147452
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 25.1 20.2 30.2

Manual Integrations

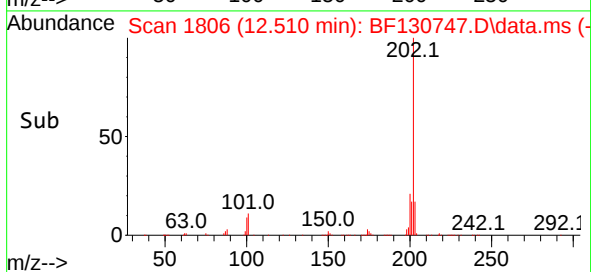
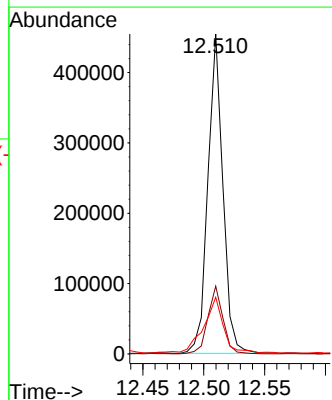
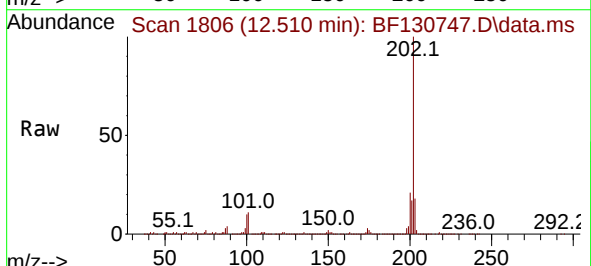
APPROVED

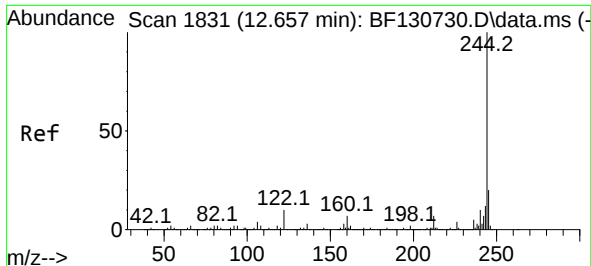
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#78
Pyrene
Concen: 31.406 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

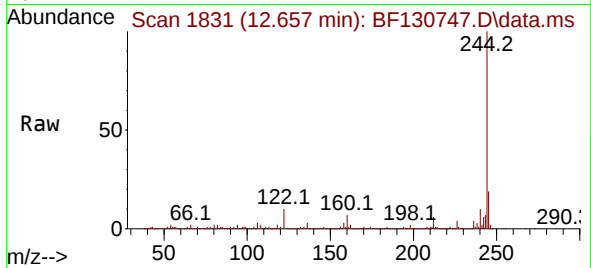
Tgt Ion:202 Resp: 388707
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.7 13.8 20.8





#79
Terphenyl-d14
Concen: 57.490 ng
RT: 12.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

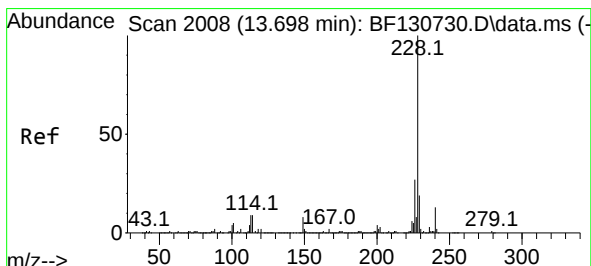
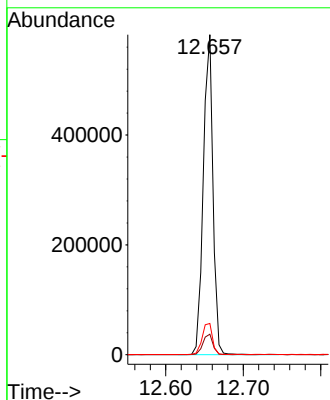
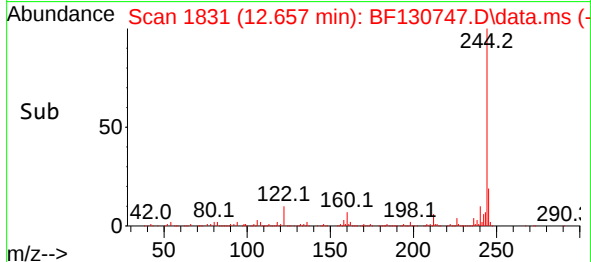
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



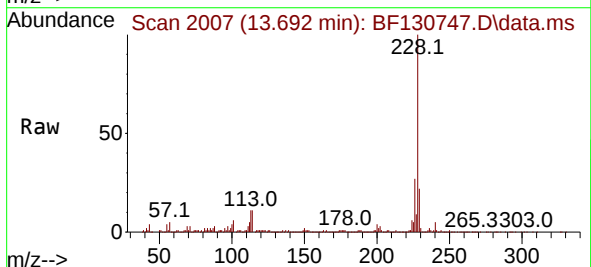
Tgt Ion:244 Resp: 503035
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.8 8.2 12.4

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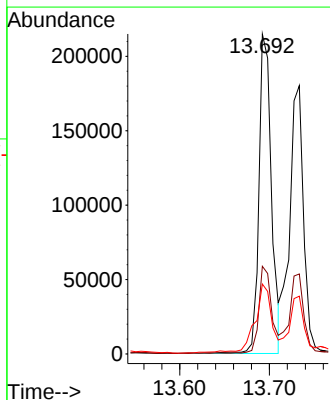
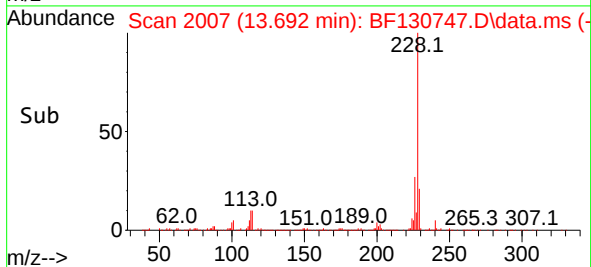
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

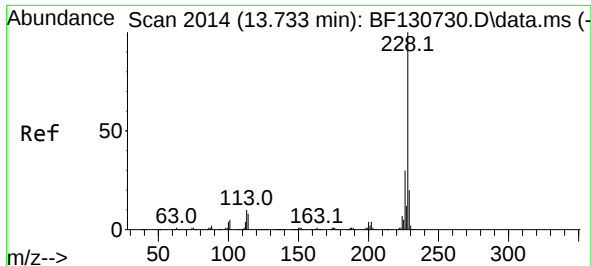


#81
Benzo(a)anthracene
Concen: 21.086 ng
RT: 13.692 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



Tgt Ion:228 Resp: 207746
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 21.9 15.4 23.2





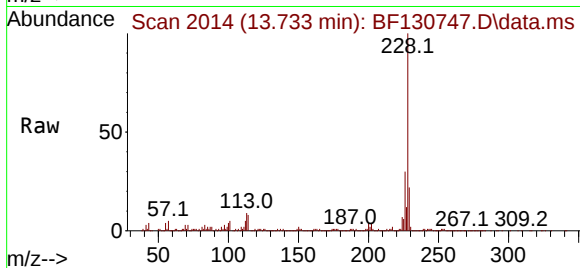
#83
Chrysene
Concen: 20.303 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

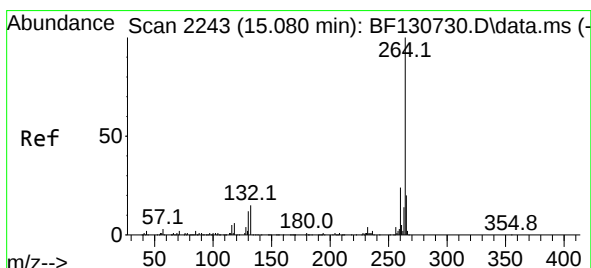
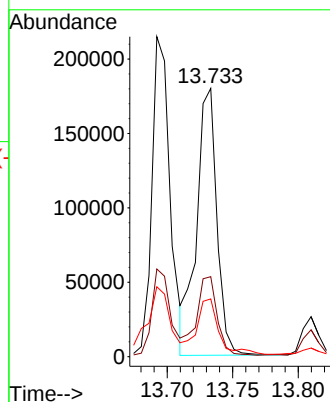
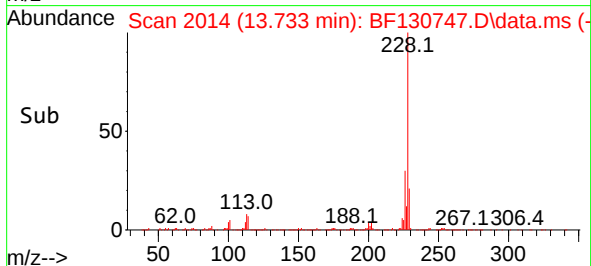


Tgt Ion:228 Resp: 193810
Ion Ratio Lower Upper
228 100
226 29.8 23.6 35.4
229 21.5 15.8 23.6

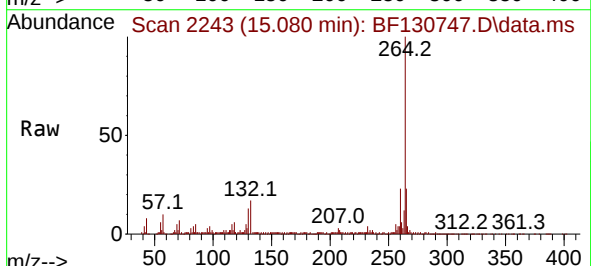
Manual Integrations

APPROVED

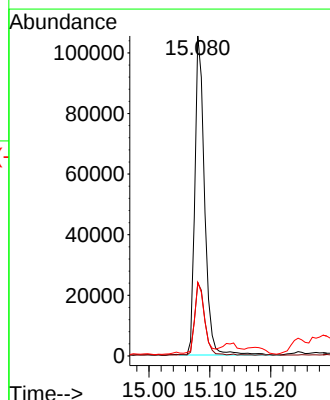
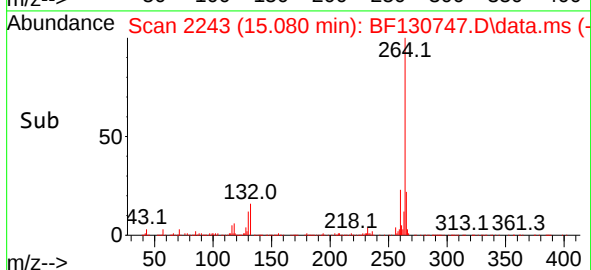
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

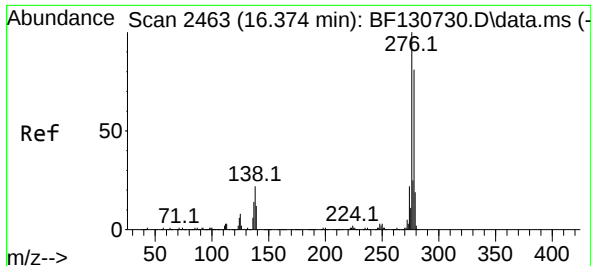


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.080 min Scan# 2243
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



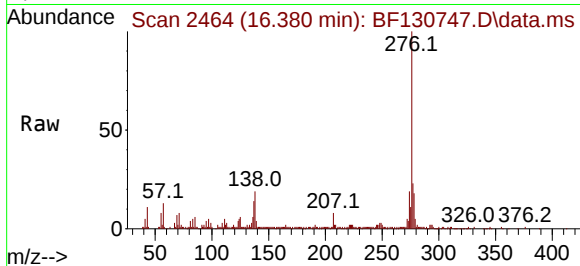
Tgt Ion:264 Resp: 116595
Ion Ratio Lower Upper
264 100
260 22.9 18.8 28.2
265 23.0 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.898 ng
RT: 16.380 min Scan# 2463
Delta R.T. 0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

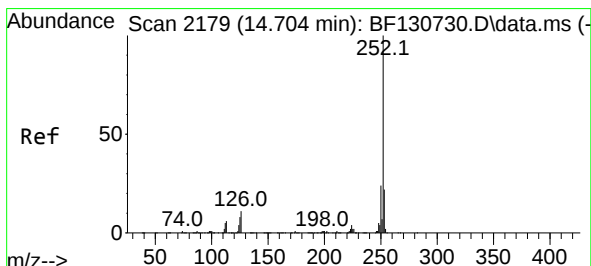
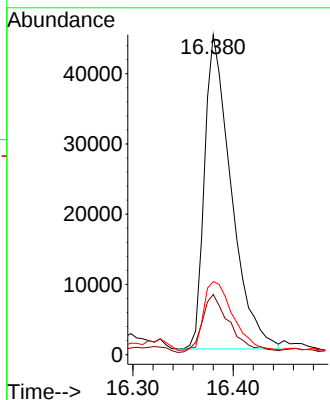
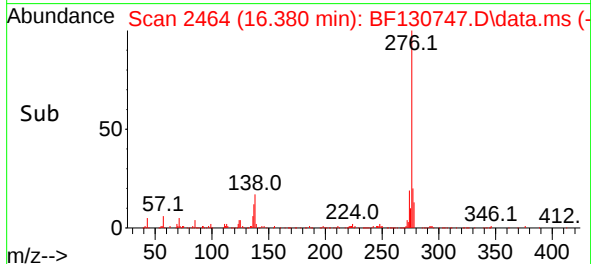
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



Tgt Ion: 276 Resp: 8276
Ion Ratio Lower Upper
276 100
138 19.3 17.2 25.8
277 24.0 20.1 30.1

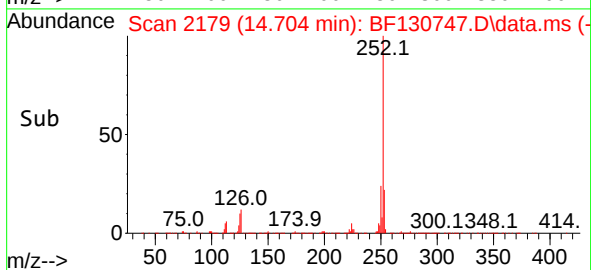
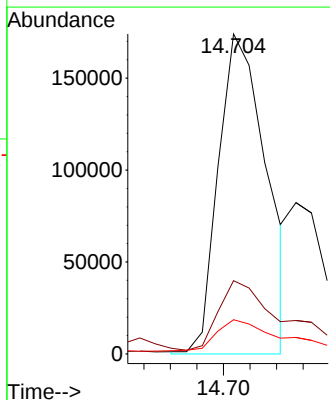
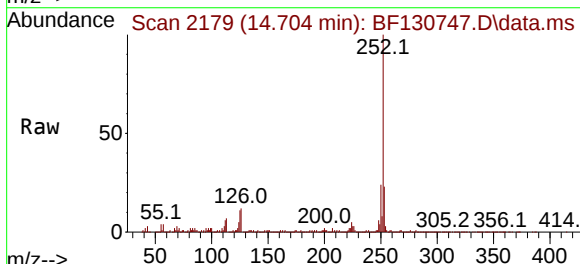
Manual Integrations
APPROVED

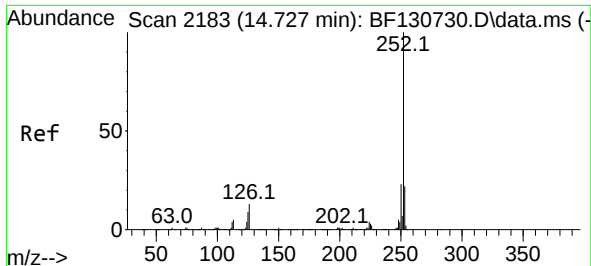
Reviewed By : Christian Giraldo 10/24/2022
Supervised By : Jagrut Upadhyay 10/24/2022



#88
Benzo(b)fluoranthene
Concen: 28.177 ng m
RT: 14.704 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion: 252 Resp: 218741
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.7 6.4 9.6#





#89
Benzo(k)fluoranthene
Concen: 10.339 ng m
RT: 14.727 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

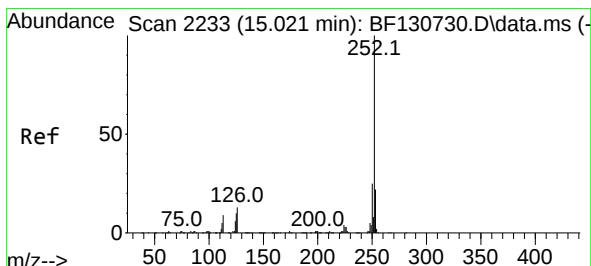
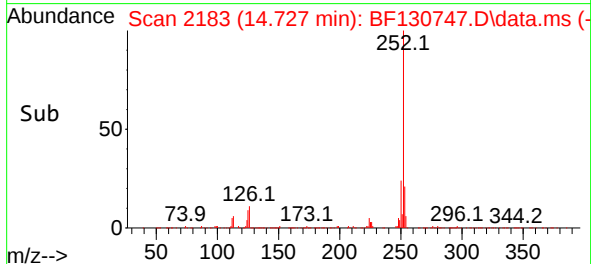
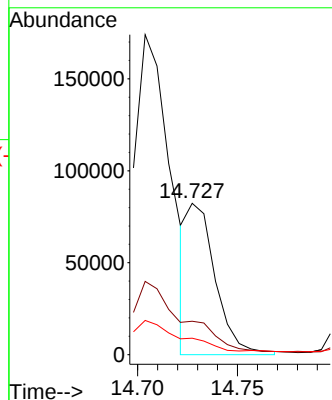
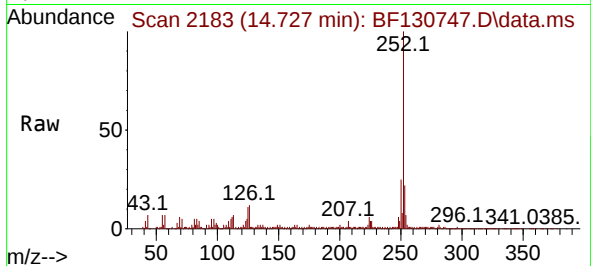
NB-08-101722

Tgt Ion:252 Resp: 80630
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.8 7.2 10.8

Manual Integrations

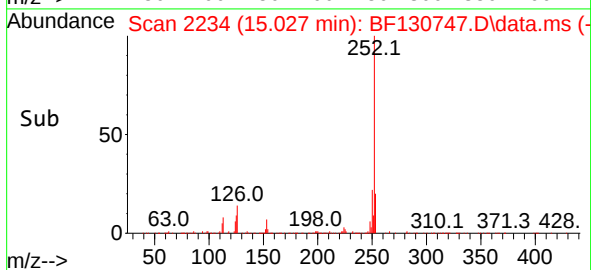
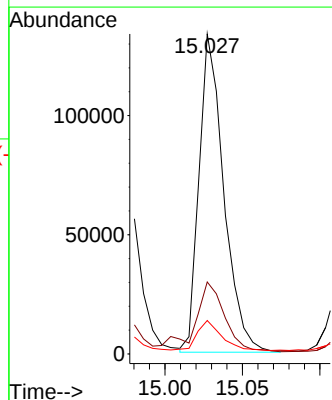
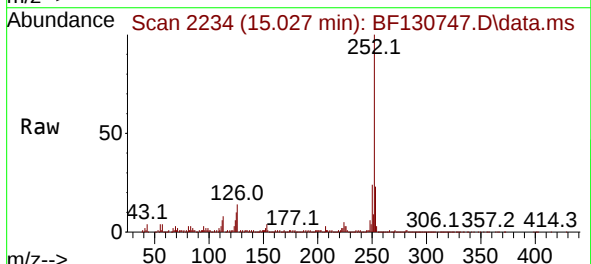
APPROVED

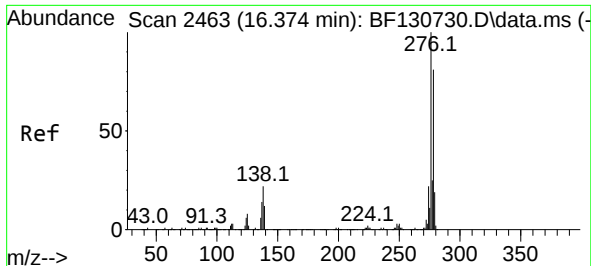
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#90
Benzo(a)pyrene
Concen: 23.781 ng
RT: 15.027 min Scan# 2234
Delta R.T. 0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:252 Resp: 148281
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.5 8.3 12.5





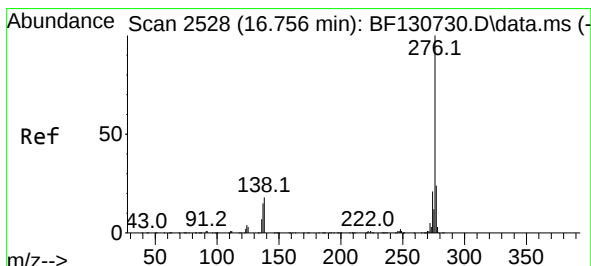
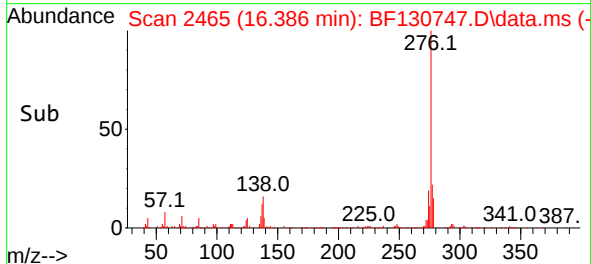
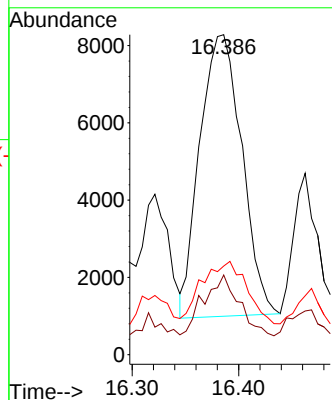
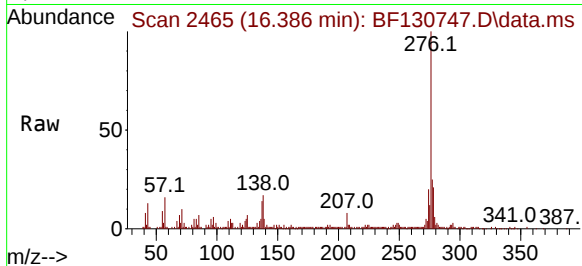
#91
Dibenzo(a,h)anthracene
Concen: 2.890 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Instrument :
BNA_F
ClientSampleId :
NB-08-101722

Tgt Ion: 278 Resp: 1997
Ion Ratio Lower Upper
278 100
139 24.9 11.4 17.0
279 27.7 18.4 27.6

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



#92
Benzo(g,h,i)perylene
Concen: 11.425 ng
RT: 16.768 min Scan# 2530
Delta R.T. 0.012 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion: 276 Resp: 79173
Ion Ratio Lower Upper
276 100
277 25.9 19.1 28.7
138 21.2 14.2 21.2

