

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130891.D
 Acq On : 31 Oct 2022 21:31
 Operator : CG\JU
 Sample : N5362-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Nov 01 02:33:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	69817	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	233744	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	116907	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	212370	20.000	ng	0.00
76) Chrysene-d12	14.157	240	106935	20.000	ng	# 0.02
86) Perylene-d12	15.698	264	90797	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	172612	42.861	ng	0.00
7) Phenol-d6	6.557	99	205245	39.218	ng	0.00
23) Nitrobenzene-d5	7.498	82	120353	31.047	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	47320	48.084	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	210153	27.178	ng	0.00
79) Terphenyl-d14	13.080	244	185104	31.720	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.504	178	91489	8.347	ng	99
72) Anthracene	11.557	178	27689m	2.561	ng	
75) Fluoranthene	12.704	202	121809	10.459	ng	97
78) Pyrene	12.939	202	138107	15.308	ng	97
81) Benzo(a)anthracene	14.145	228	48889	6.896	ng	# 83
83) Chrysene	14.186	228	47368	6.926	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.262	276	18094	3.001	ng	96
88) Benzo(b)fluoranthene	15.239	252	39453m	6.722	ng	
89) Benzo(k)fluoranthene	15.268	252	20601m	3.602	ng	
90) Benzo(a)pyrene	15.633	252	31978	6.777	ng	# 1
92) Benzo(g,h,i)perylene	17.739	276	19183	3.825	ng	# 53

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

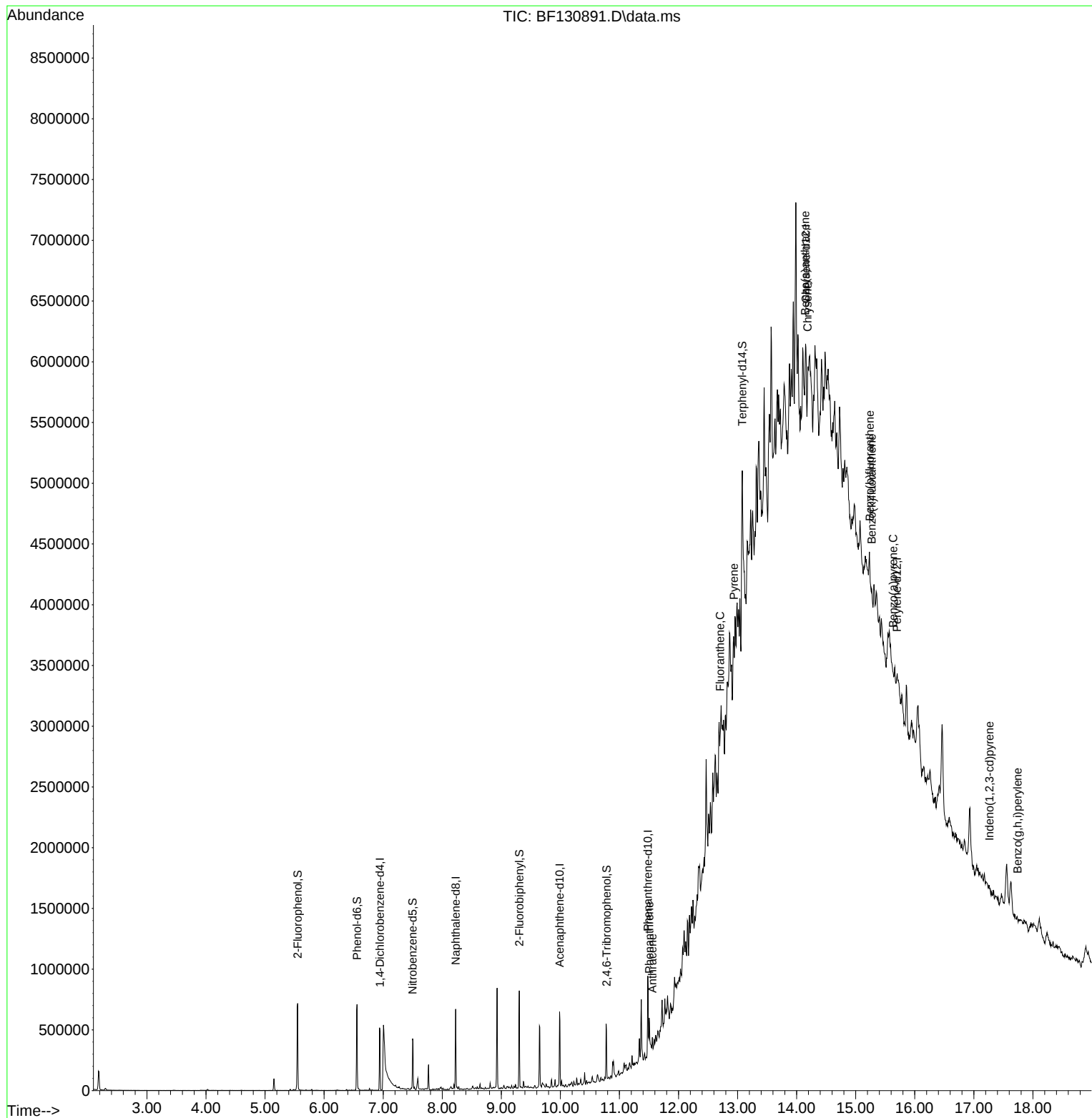
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130891.D
Acq On : 31 Oct 2022 21:31
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Manual Integrations
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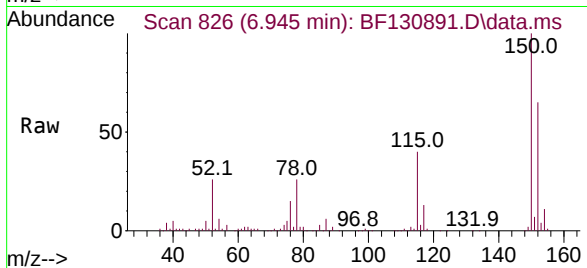
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

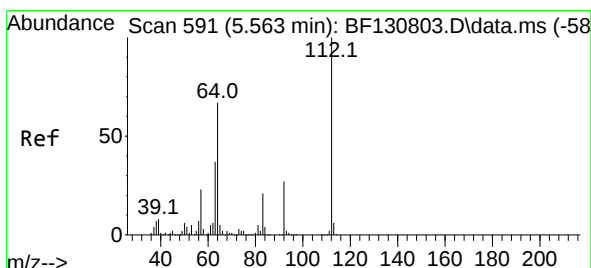
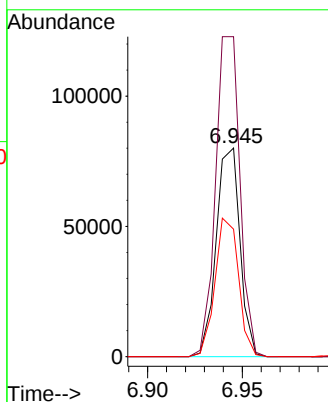
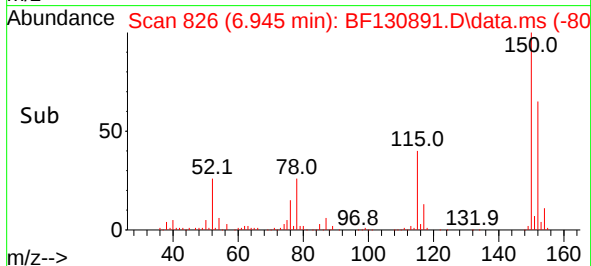
Instrument :
BNA_F
ClientSampleId :
CHRT-26516



Tgt Ion:152 Resp: 6981
Ion Ratio Lower Upper
152 100
150 153.4 124.1 186.1
115 61.1 50.1 75.1

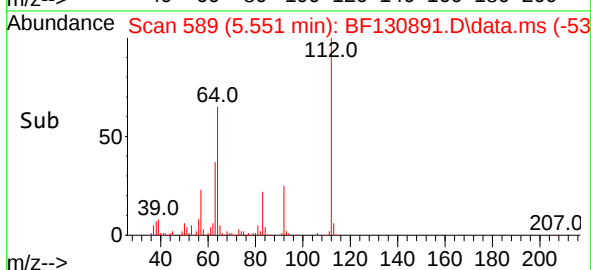
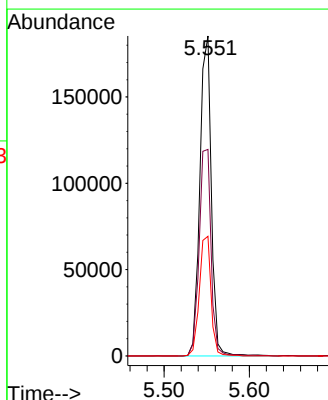
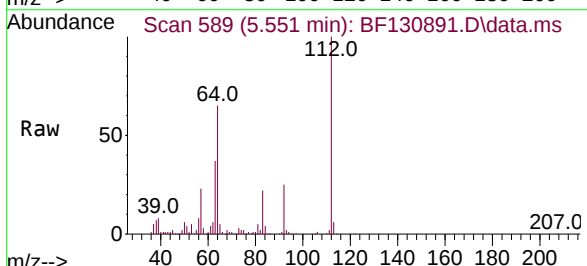
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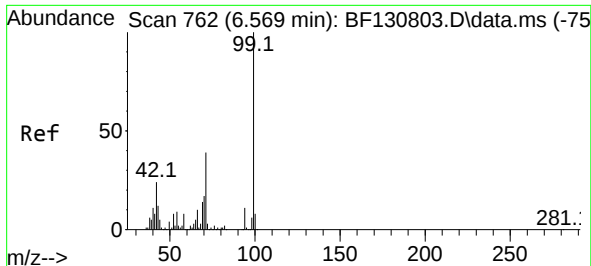
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#5
2-Fluorophenol
Concen: 42.861 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

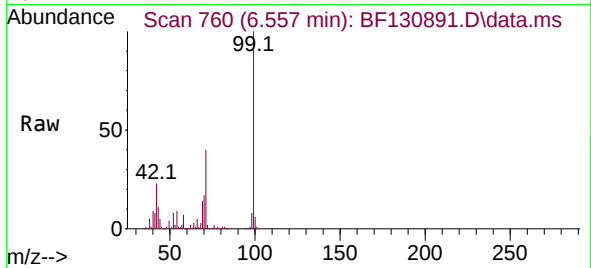
Tgt Ion:112 Resp: 172612
Ion Ratio Lower Upper
112 100
64 64.5 53.9 80.9
63 37.4 29.4 44.2





#7
Phenol-d6
Concen: 39.218 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

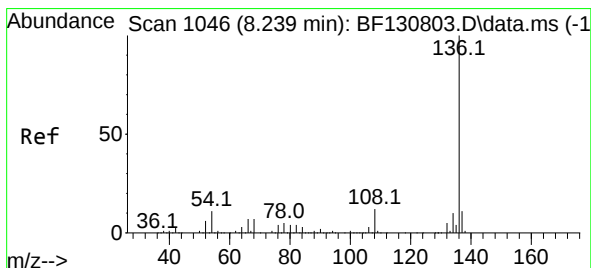
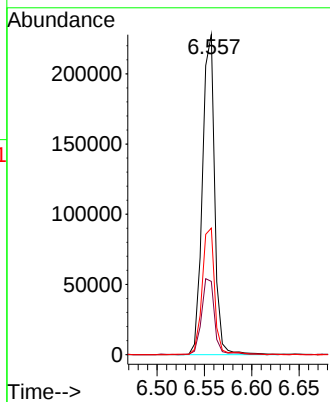
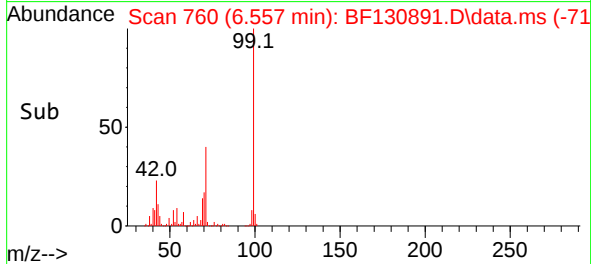
Instrument :
BNA_F
ClientSampleId :
CHRT-26516



Tgt Ion: 99 Resp: 205245
Ion Ratio Lower Upper
99 100
42 22.9 18.8 28.2
71 39.5 31.4 47.0

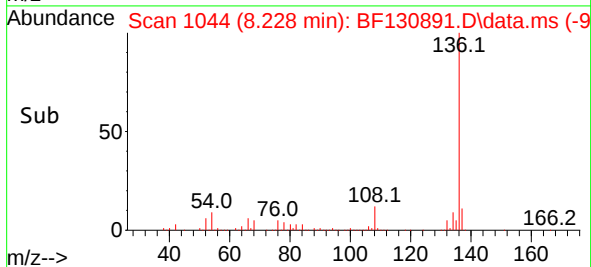
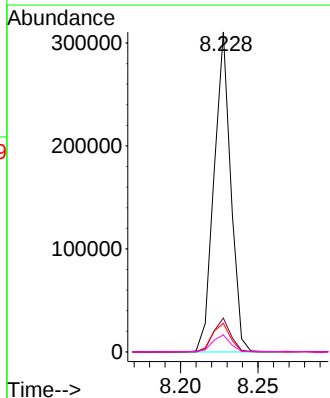
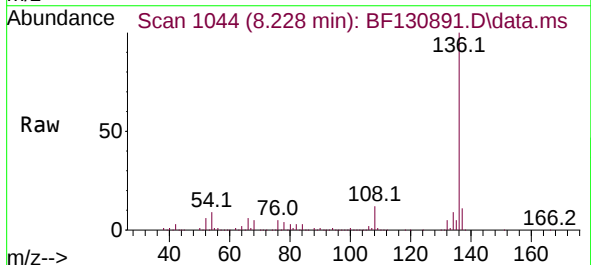
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:136 Resp: 233744
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.0 8.8 13.2
68 5.4 5.2 7.8





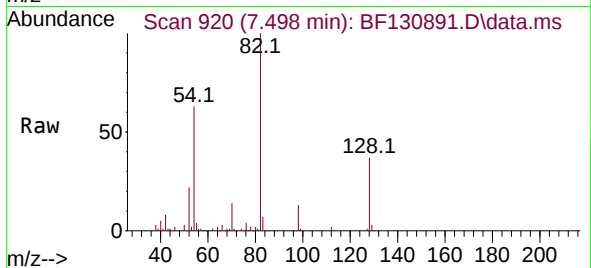
#23
Nitrobenzene-d5
Concen: 31.047 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

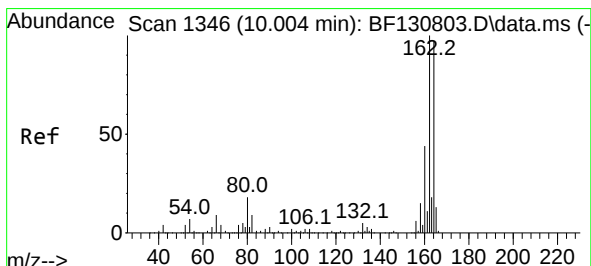
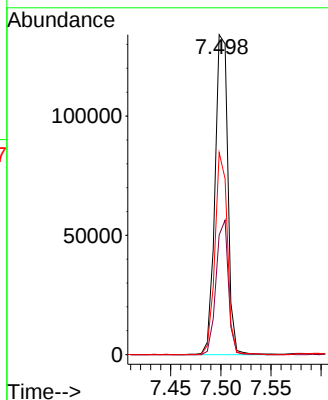
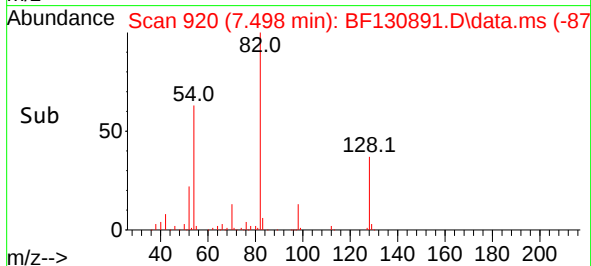
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Tgt Ion: 82 Resp: 120353
Ion Ratio Lower Upper
82 100
128 37.4 31.2 46.8
54 63.1 48.0 72.0

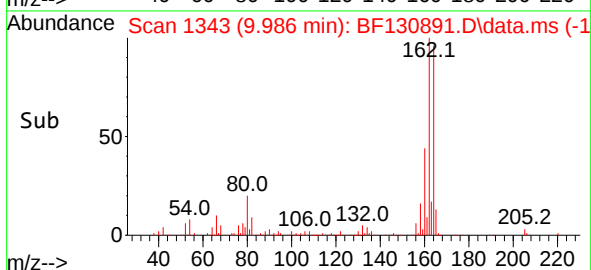
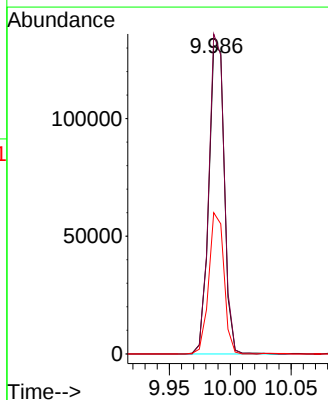
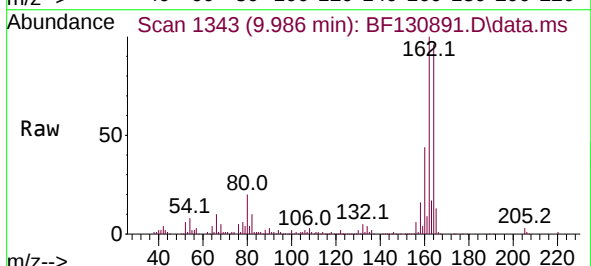
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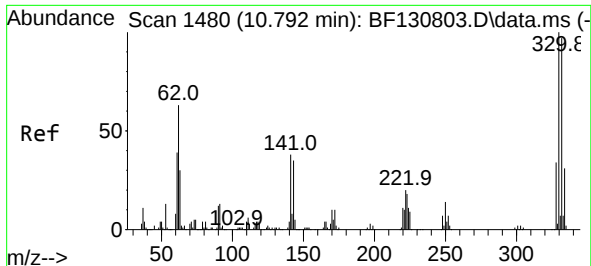
Reviewed By :Christian Giraldo 11/01/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:164 Resp: 116907
Ion Ratio Lower Upper
164 100
162 103.8 82.2 123.2
160 45.8 36.6 54.8





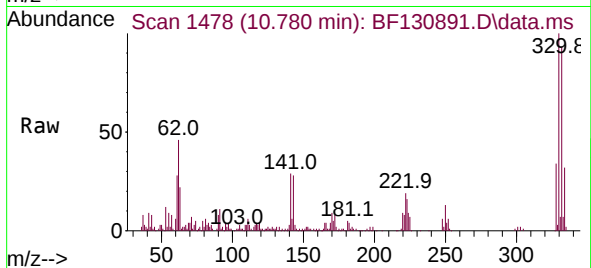
#42
2,4,6-Tribromophenol
Concen: 48.084 ng
RT: 10.780 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

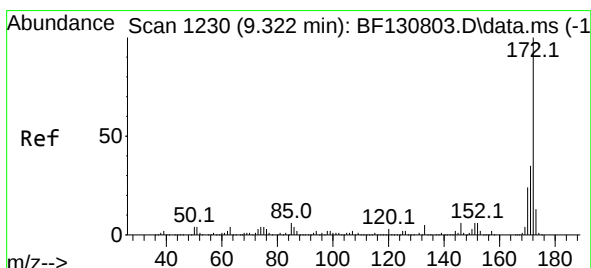
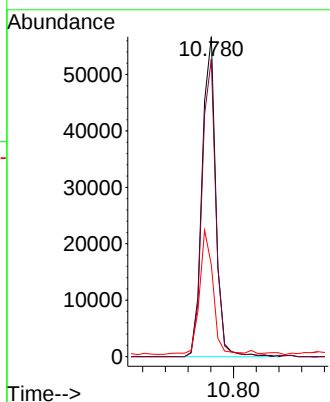
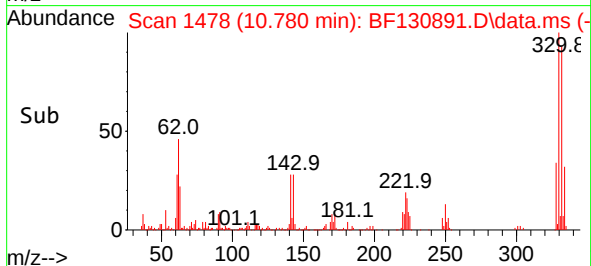


Tgt Ion: 330 Resp: 47320
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 38.3 31.4 47.0

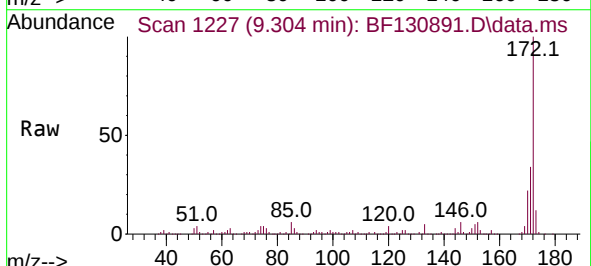
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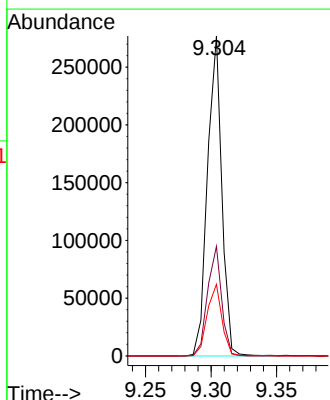
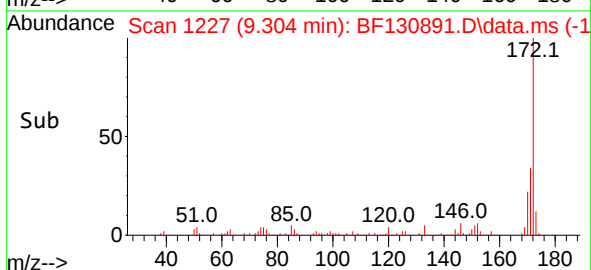
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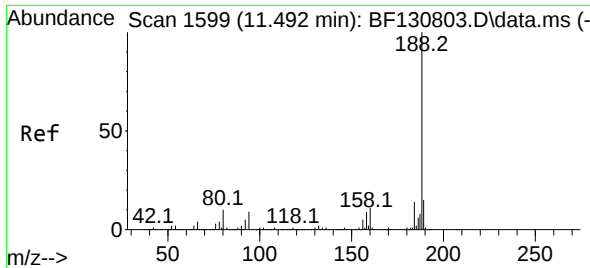


#45
2-Fluorobiphenyl
Concen: 27.178 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31



Tgt Ion: 172 Resp: 210153
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.4 19.0 28.4





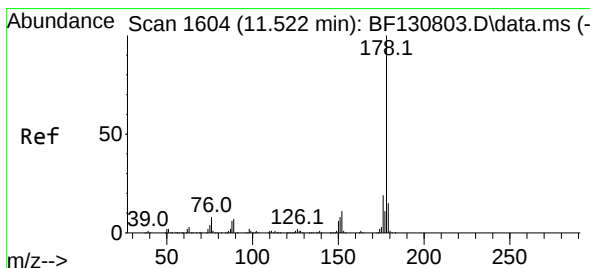
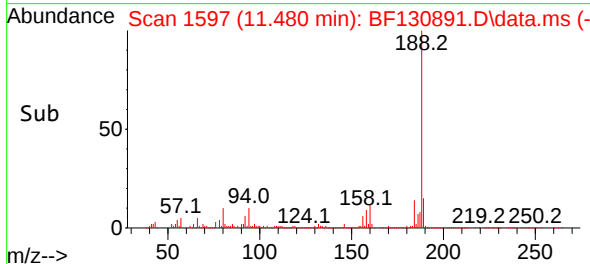
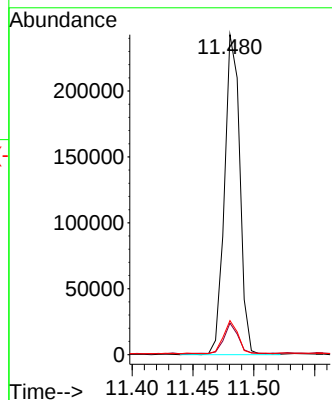
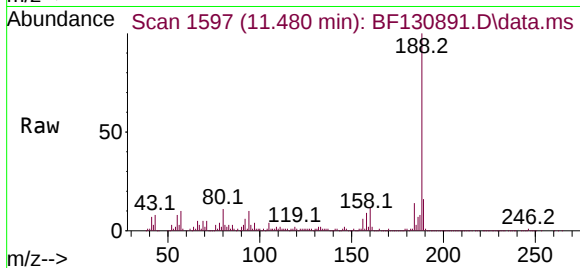
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Instrument :
BNA_F
ClientSampleId :
CHRT-26516

Tgt Ion:188 Resp: 212370
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.6 8.0 12.0

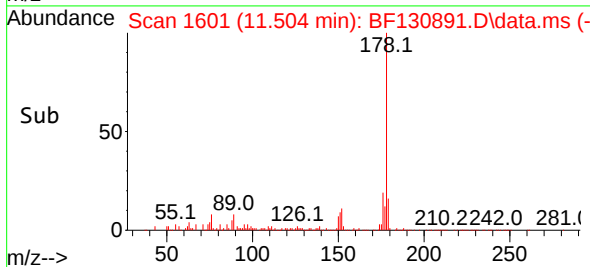
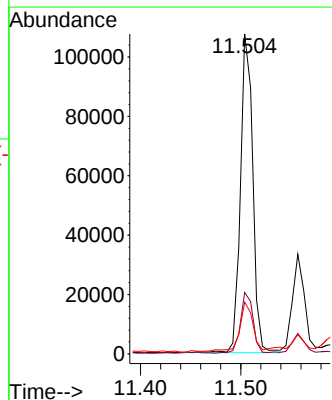
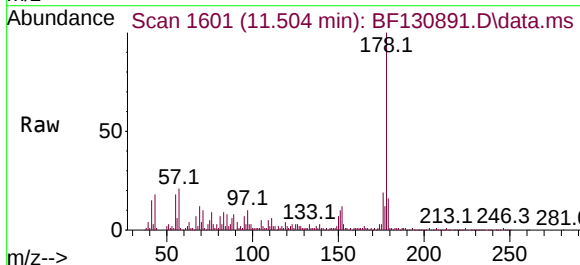
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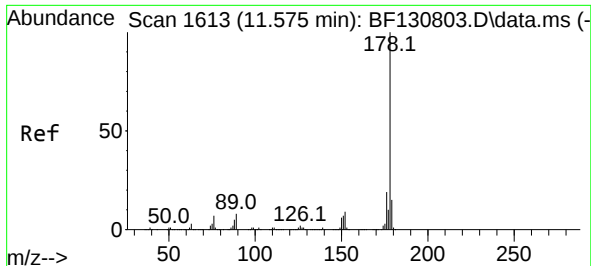
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 8.347 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:178 Resp: 91489
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.2 12.2 18.2





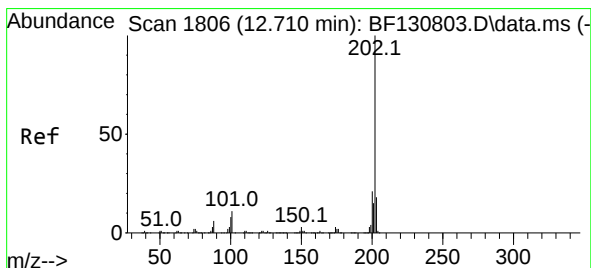
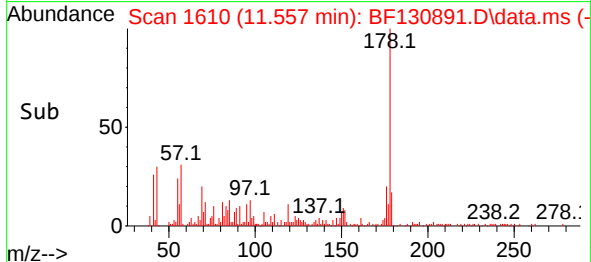
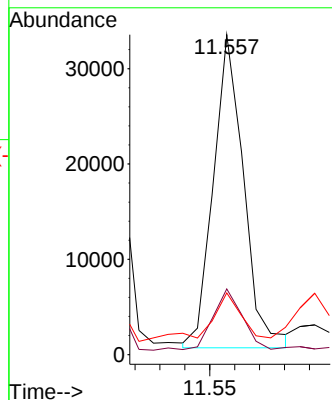
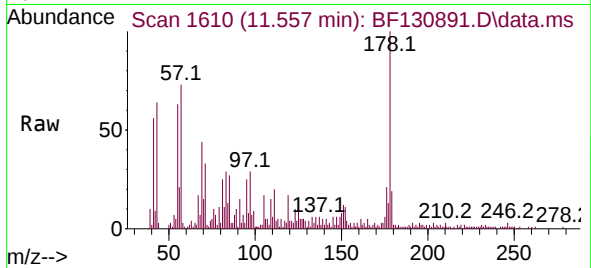
#72
 Anthracene
 Concen: 2.561 ng m
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516

Tgt Ion:178 Resp: 27689
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.4 23.0
 179 19.3 12.2 18.4

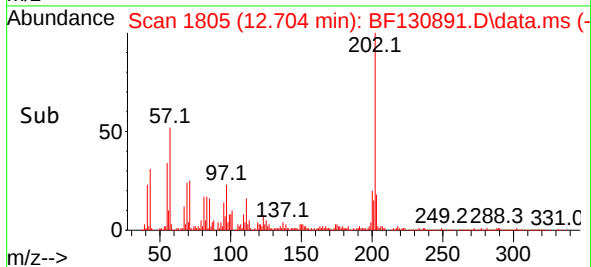
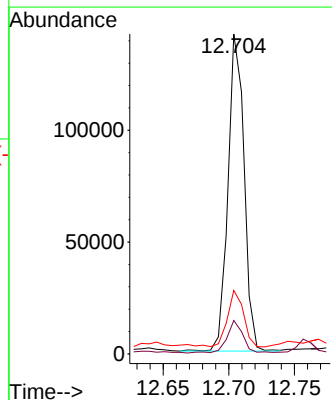
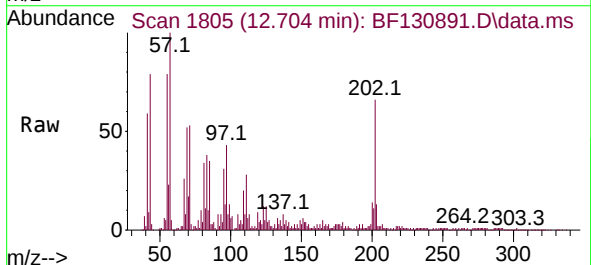
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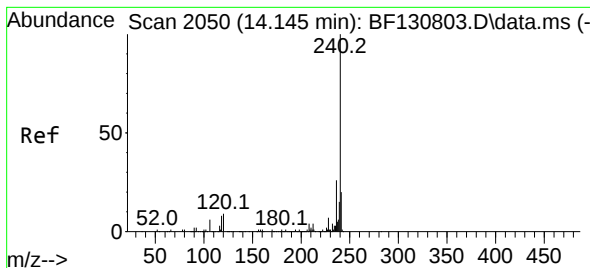
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#75
 Fluoranthene
 Concen: 10.459 ng
 RT: 12.704 min Scan# 1805
 Delta R.T. -0.000 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Tgt Ion:202 Resp: 121809
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.9
 203 19.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 2052

Delta R.T. 0.023 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

Tgt Ion:240 Resp: 106935

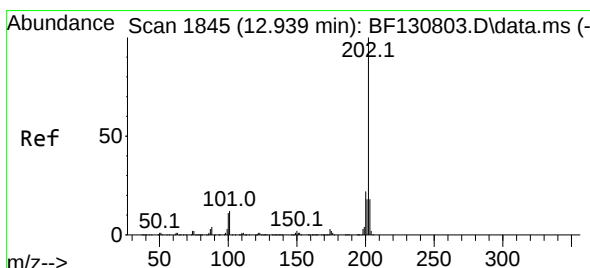
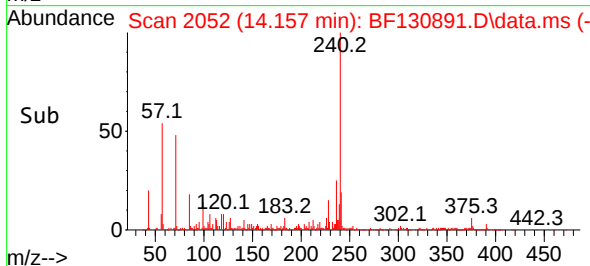
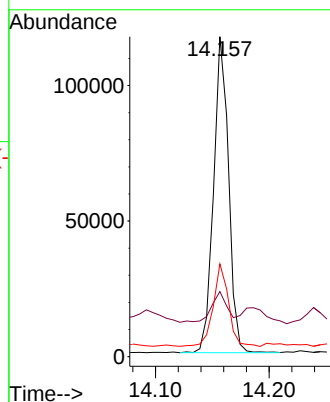
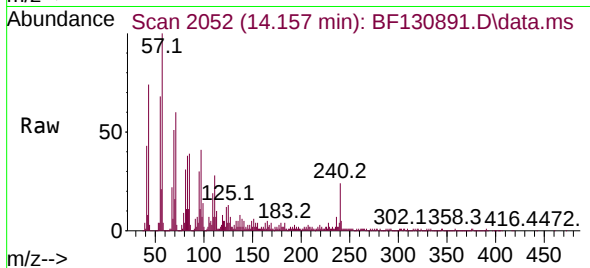
Ion	Ratio	Lower	Upper
240	100		
120	20.3	7.0	10.4
236	29.0	20.5	30.7

Manual Integrations

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#78

Pyrene

Concen: 15.308 ng

RT: 12.939 min Scan# 1845

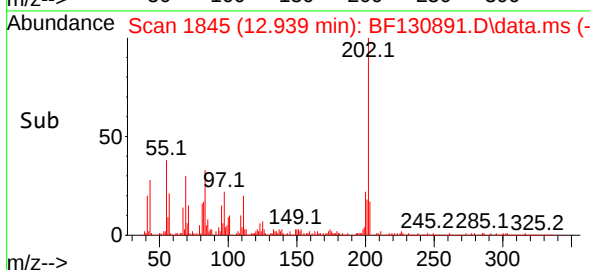
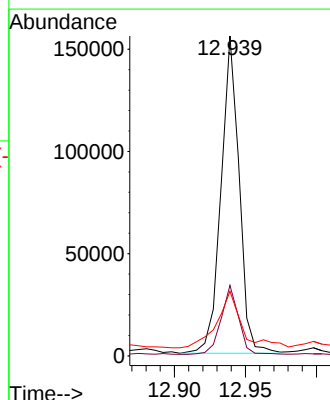
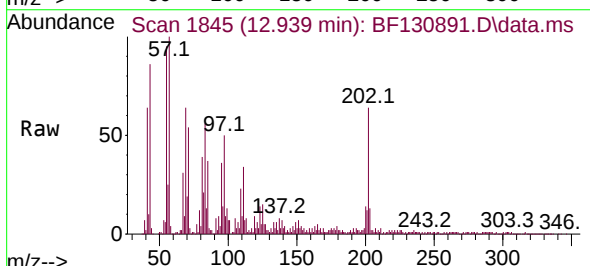
Delta R.T. 0.006 min

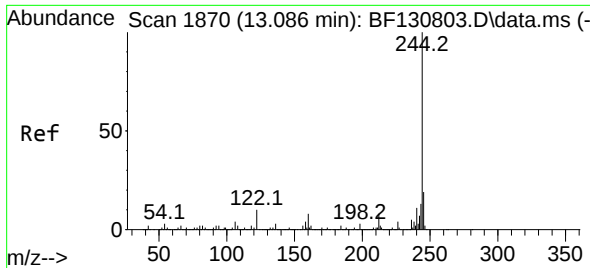
Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Tgt Ion:202 Resp: 138107

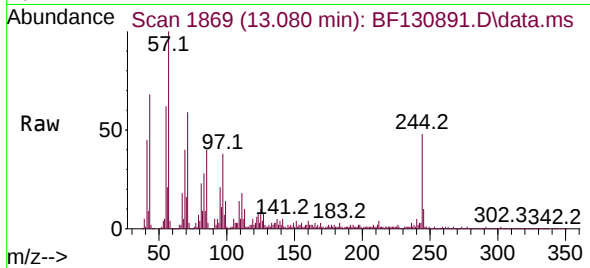
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.2	25.8
203	20.2	14.5	21.7





#79
 Terphenyl-d14
 Concen: 31.720 ng
 RT: 13.080 min Scan# 1870
 Delta R.T. 0.006 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

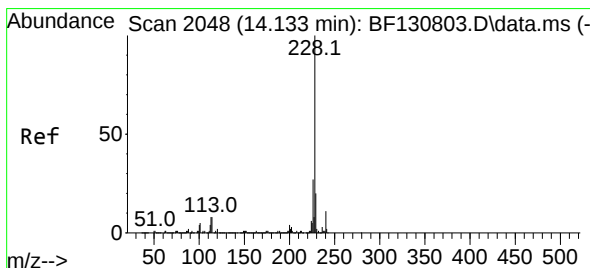
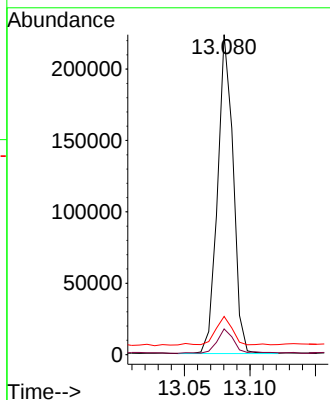
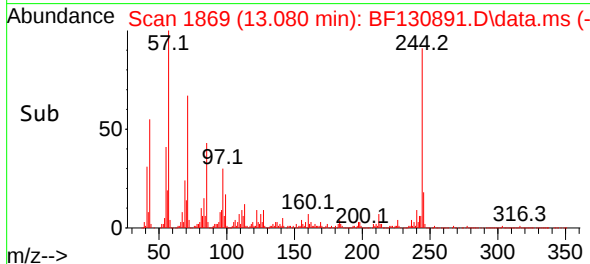
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516



Tgt Ion:244 Resp: 185104
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 11.9 7.9 11.9

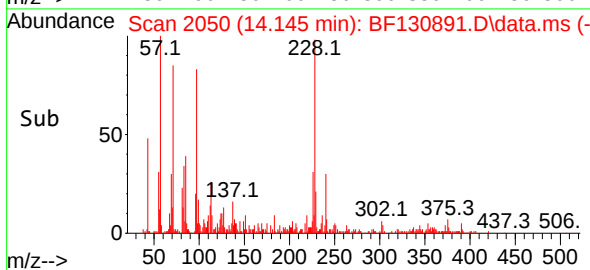
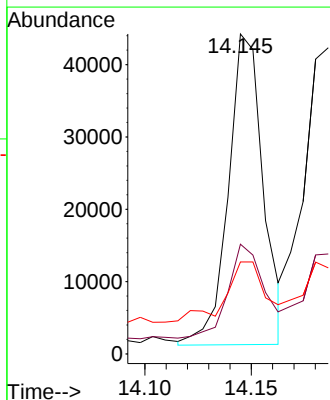
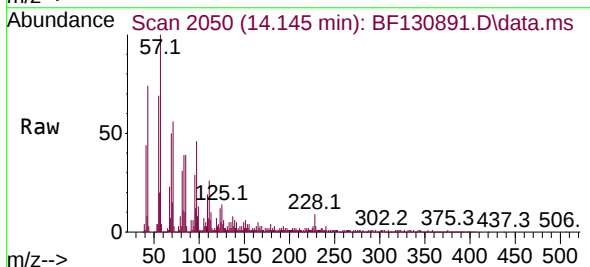
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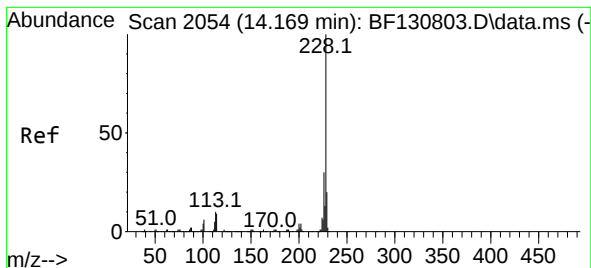
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#81
 Benzo(a)anthracene
 Concen: 6.896 ng
 RT: 14.145 min Scan# 2050
 Delta R.T. 0.023 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Tgt Ion:228 Resp: 48889
 Ion Ratio Lower Upper
 228 100
 226 34.3 21.4 32.2#
 229 28.7 15.8 23.6#





#83

Chrysene

Concen: 6.926 ng

RT: 14.186 min Scan# 2054

Delta R.T. 0.029 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

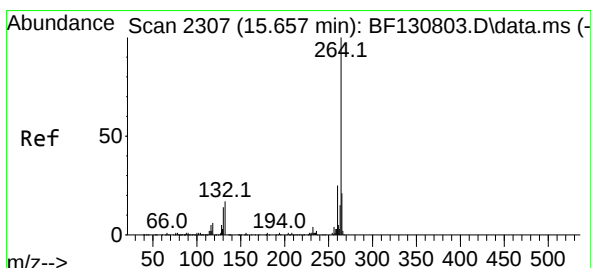
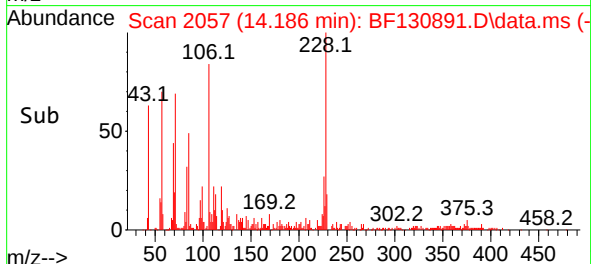
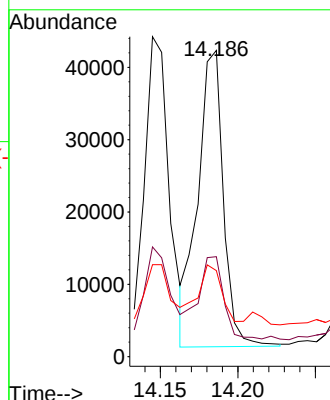
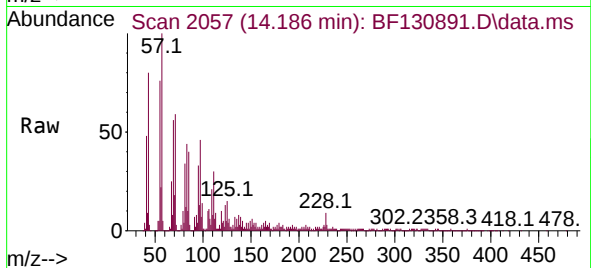
Tgt Ion:	228	Resp:	47368
Ion Ratio	Lower	Upper	
228	100		
226	32.7	23.9	35.9
229	28.1	15.8	23.6

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Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#86

Perylene-d12

Concen: 20.000 ng

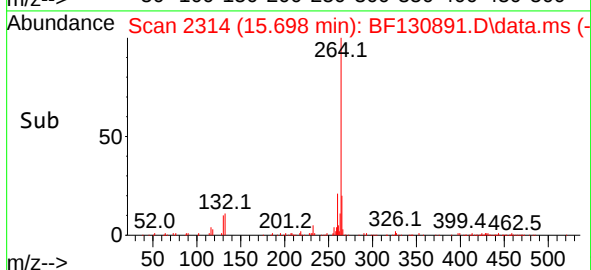
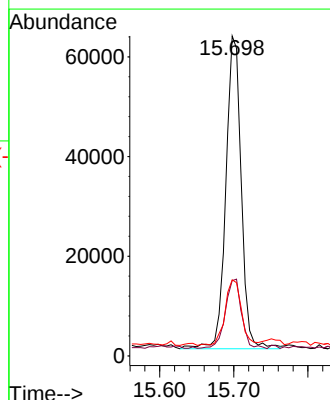
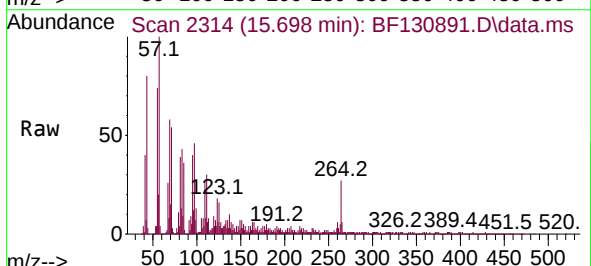
RT: 15.698 min Scan# 2314

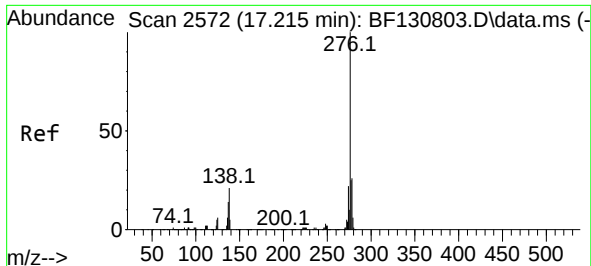
Delta R.T. 0.053 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

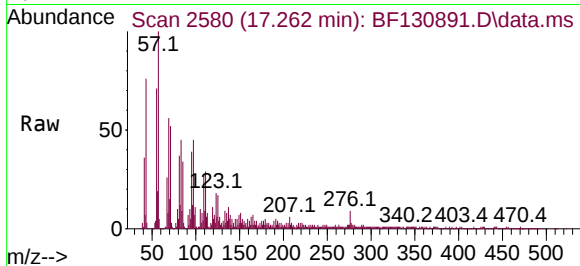
Tgt Ion:	264	Resp:	90797
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.9	29.9
265	23.8	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.001 ng
RT: 17.262 min Scan# 21
Delta R.T. 0.070 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

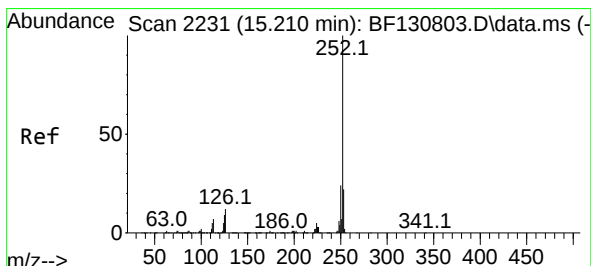
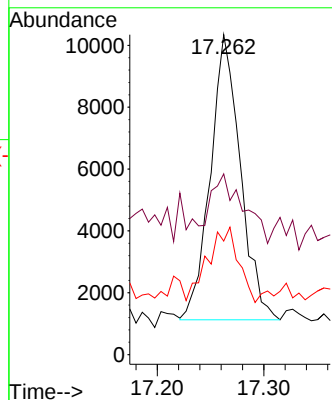
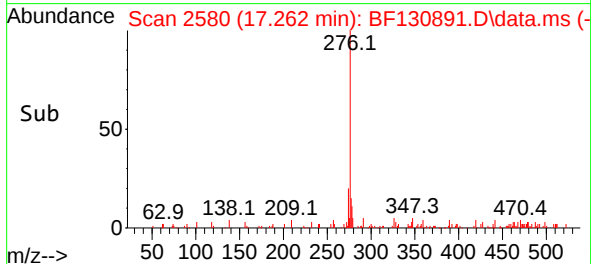
Instrument :
BNA_F
ClientSampleId :
CHRT-26516



Tgt Ion: 276 Resp: 18094
Ion Ratio Lower Upper
276 100
138 26.1 19.1 28.7
277 26.8 20.1 30.1

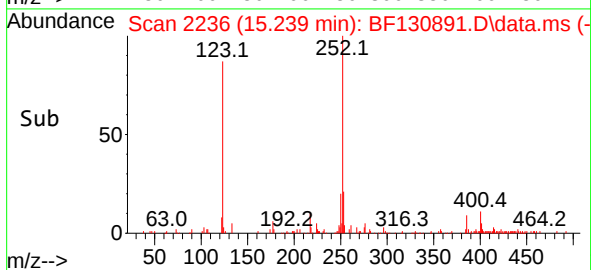
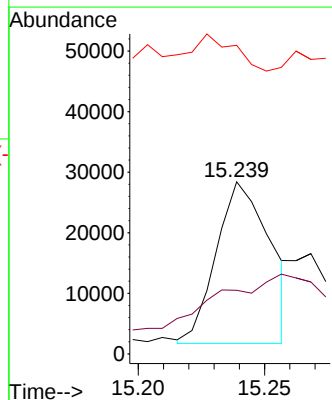
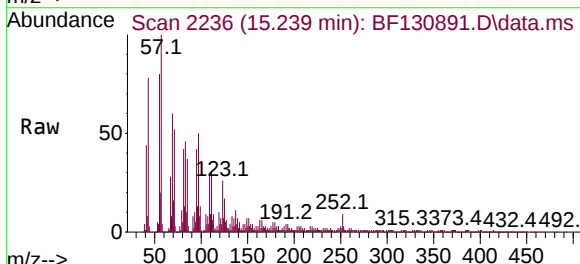
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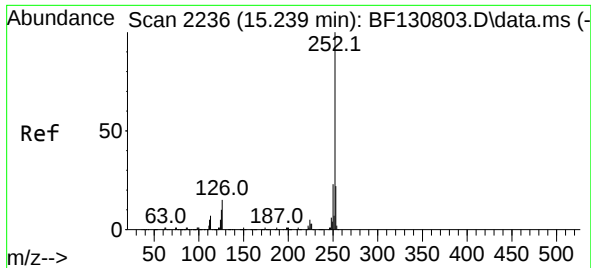
Reviewed By : Christian Giraldo 11/01/2022
Supervised By : Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 6.722 ng m
RT: 15.239 min Scan# 2236
Delta R.T. 0.041 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion: 252 Resp: 39453
Ion Ratio Lower Upper
252 100
253 36.9 17.5 26.3#
125 179.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.602 ng m

RT: 15.268 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF130891.D

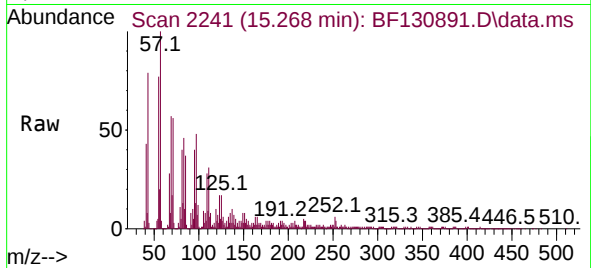
Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516



Tgt Ion:252 Resp: 2060

Ion Ratio Lower Upper

252 100

253 71.8 17.5 26.3

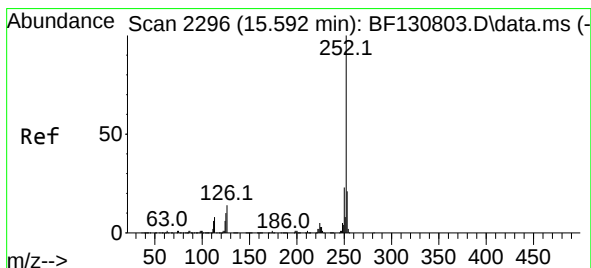
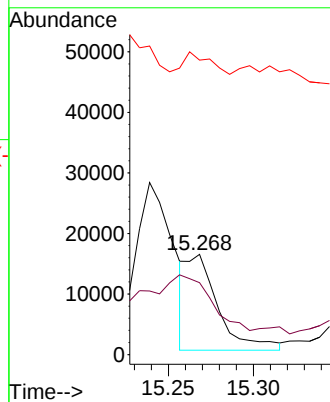
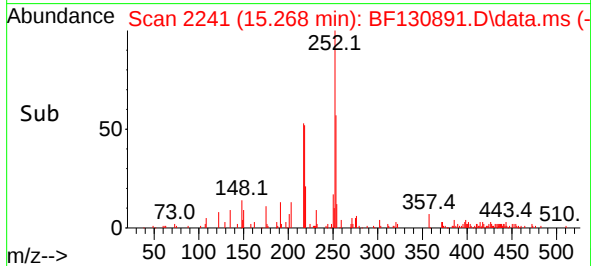
125 293.9 8.0 12.0

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Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 6.777 ng

RT: 15.633 min Scan# 2303

Delta R.T. 0.053 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

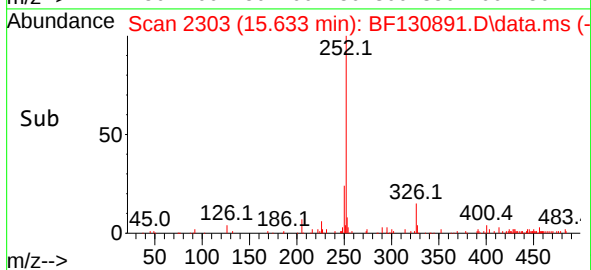
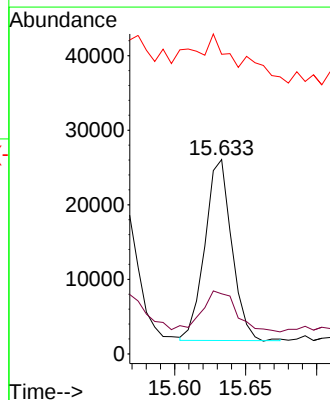
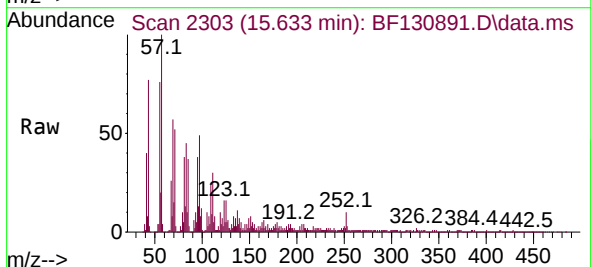
Tgt Ion:252 Resp: 31978

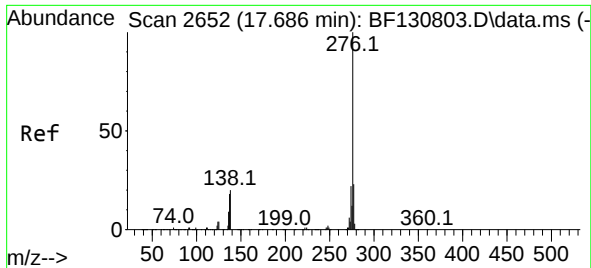
Ion Ratio Lower Upper

252 100

253 30.9 16.8 25.2

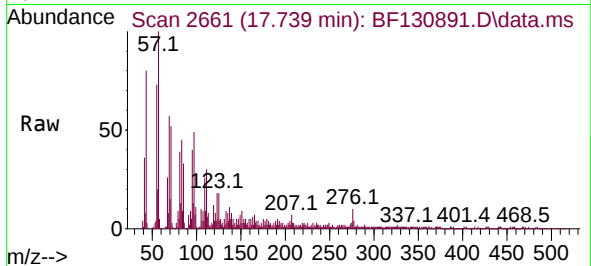
125 154.2 8.3 12.5





#92
Benzo(g,h,i)perylene
Concen: 3.825 ng
RT: 17.739 min Scan# 20
Delta R.T. 0.070 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Instrument :
BNA_F
ClientSampleId :
CHRT-26516



Tgt Ion:	276	Resp:	1918
Ion Ratio	Lower	Upper	
276	100		
277	35.4	18.8	28.2
138	53.9	16.3	24.5

Manual Integrations
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Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

