

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133050.D
 Acq On : 26 Apr 2023 03:06
 Operator : CG\JU
 Sample : 02389-31 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-8WC-23-04-17

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

Quant Time: Apr 26 04:36:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	210069	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	802930	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	369709	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	562972	20.000	ng	0.00
76) Chrysene-d12	13.904	240	383213	20.000	ng	0.00
86) Perylene-d12	15.333	264	327238	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	200654	14.429	ng	0.00
7) Phenol-d6	6.375	99	268787	15.572	ng	-0.01
23) Nitrobenzene-d5	7.298	82	151250	10.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	52737	14.184	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	319607	14.463	ng	-0.01
79) Terphenyl-d14	12.845	244	269317	12.121	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.281	178	898570	29.697	ng	99
72) Anthracene	11.333	178	161890	5.228	ng	97
73) Carbazole	11.486	167	91863	3.332	ng	96
75) Fluoranthene	12.475	202	1774475	58.434	ng	99
78) Pyrene	12.704	202	1430553	43.548	ng	99
80) Butylbenzylphthalate	13.327	149	25161	2.163	ng	# 80
81) Benzo(a)anthracene	13.892	228	524776	19.914	ng	97
83) Chrysene	13.927	228	699470	26.550	ng	97
84) Bis(2-ethylhexyl)phtha...	13.892	149	162966	11.162	ng	99
87) Indeno(1,2,3-cd)pyrene	16.710	276	268423	14.421	ng	95
88) Benzo(b)fluoranthene	14.927	252	677108m	32.524	ng	
89) Benzo(k)fluoranthene	14.945	252	232082m	11.246	ng	
90) Benzo(a)pyrene	15.268	252	388230	20.488	ng	# 93
91) Dibenzo(a,h)anthracene	16.733	278	72147	4.647	ng	# 57
92) Benzo(g,h,i)perylene	17.133	276	248642	16.222	ng	98

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

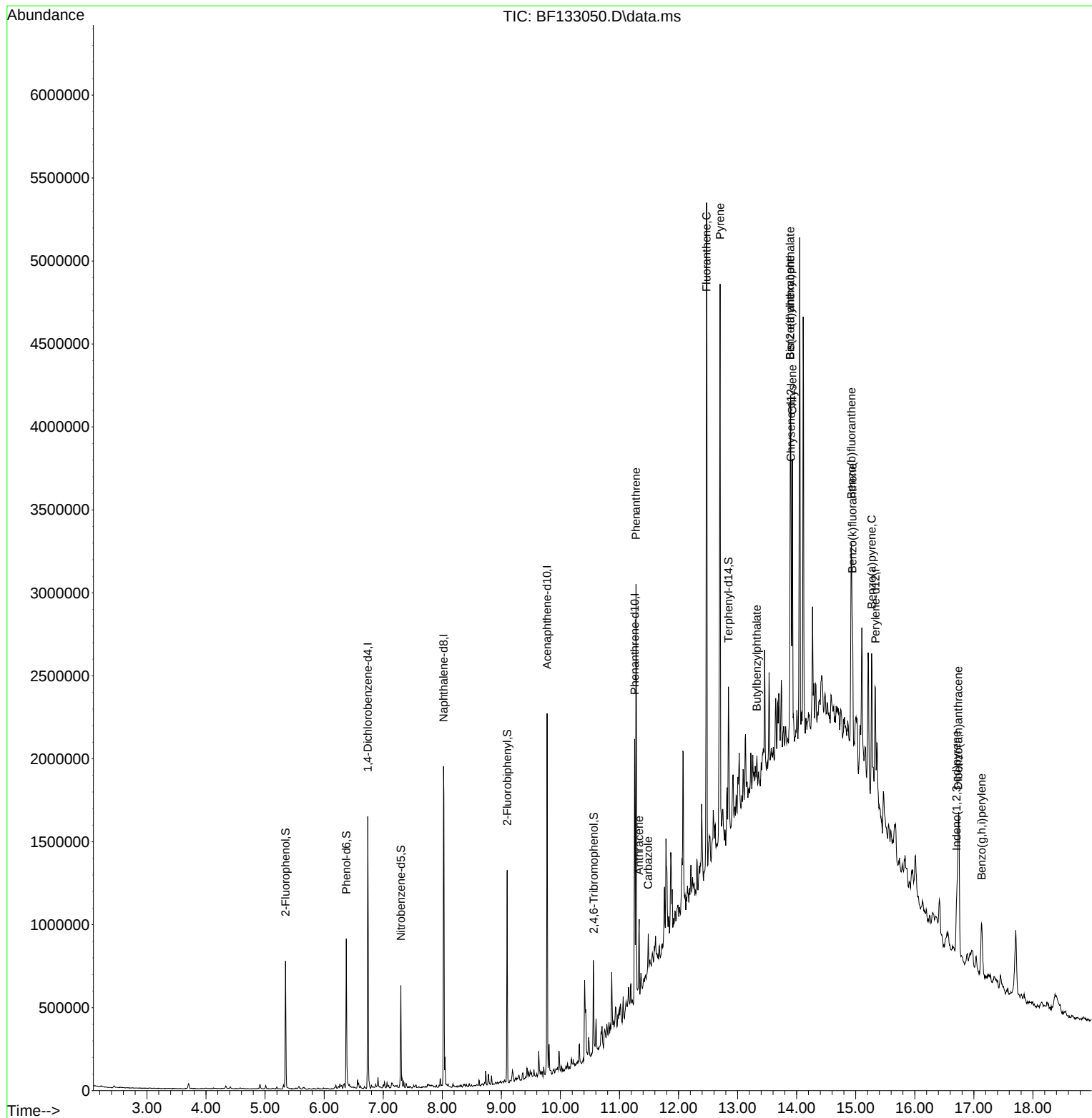
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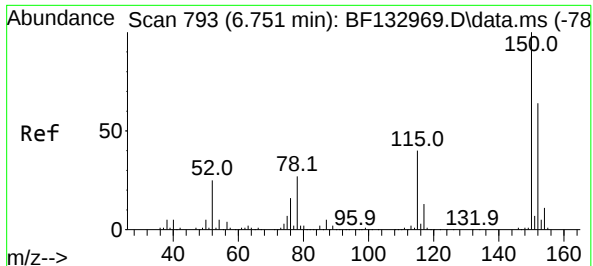
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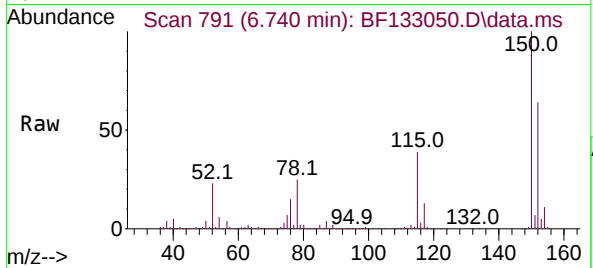
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

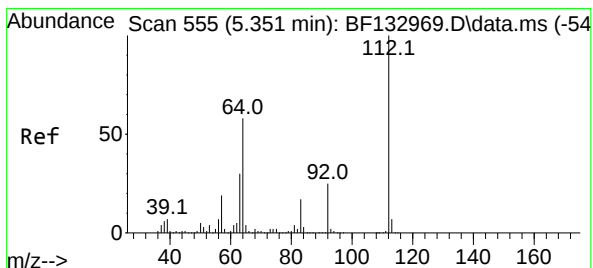
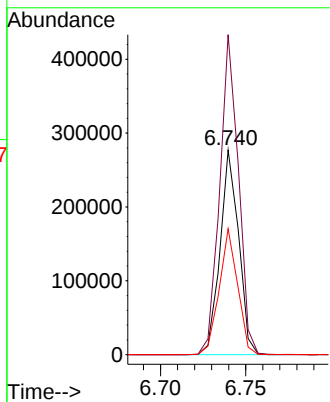
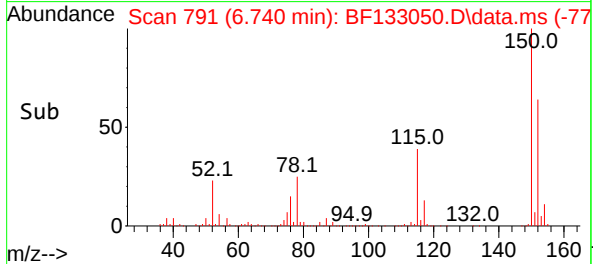
Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17



Tgt Ion:152 Resp: 210069
Ion Ratio Lower Upper
152 100
150 156.3 124.8 187.2
115 61.5 49.9 74.9

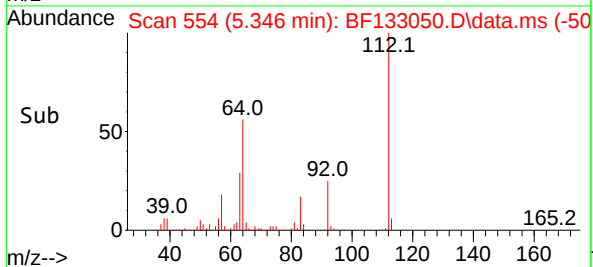
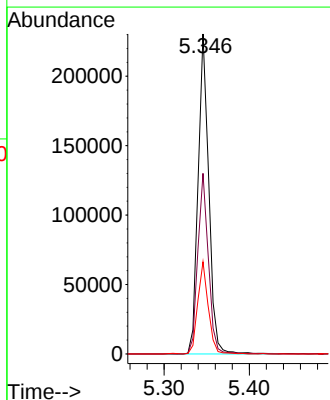
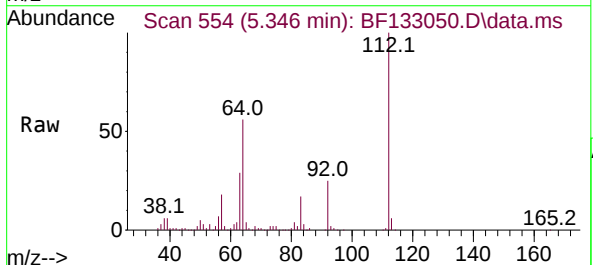
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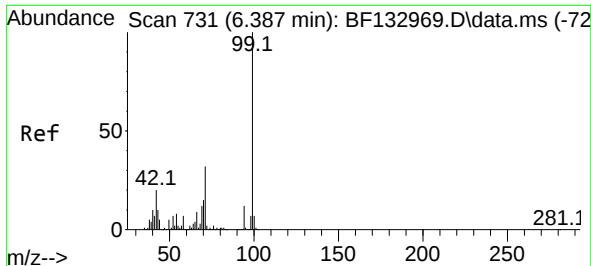
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Supervised By :Jagrut Upadhyay 04/26/2023



#5
2-Fluorophenol
Concen: 14.429 ng
RT: 5.346 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:112 Resp: 200654
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 28.8 23.8 35.8





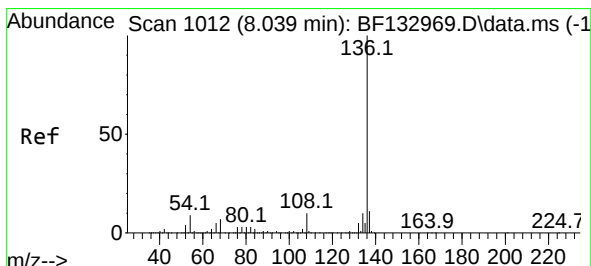
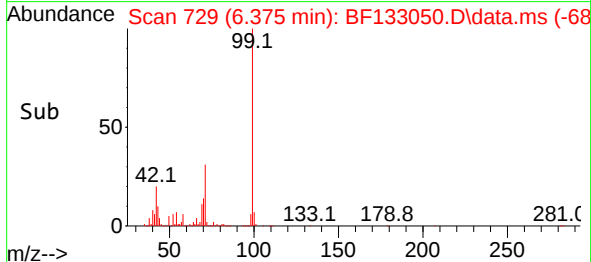
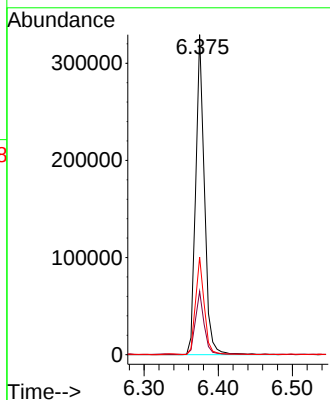
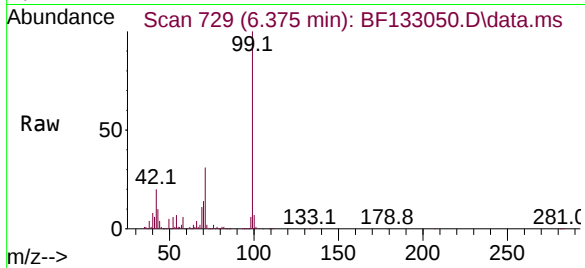
#7
Phenol-d6
Concen: 15.572 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion: 99 Resp: 26878
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 30.5 25.6 38.4

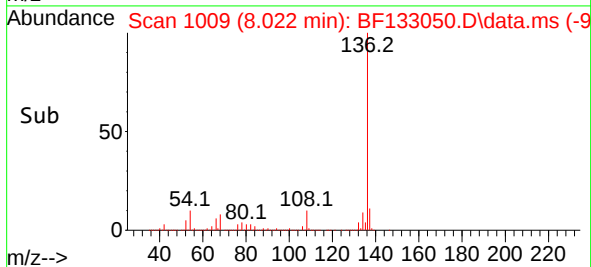
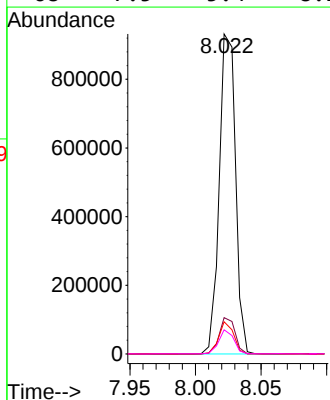
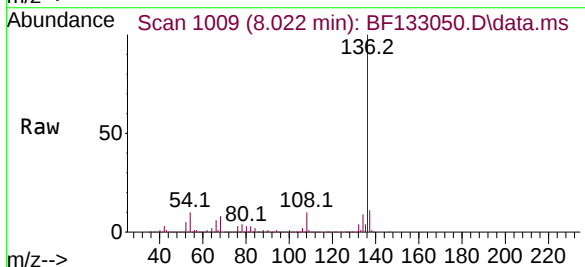
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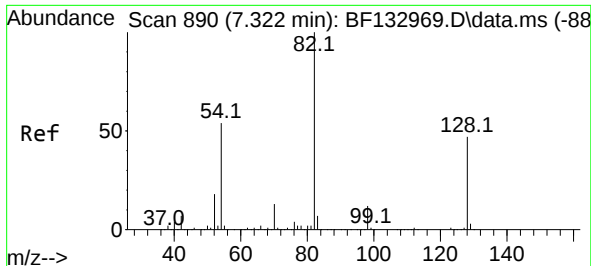
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Supervised By :Jagrut Upadhyay 04/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:136 Resp: 802930
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 10.0 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.168 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133050.D

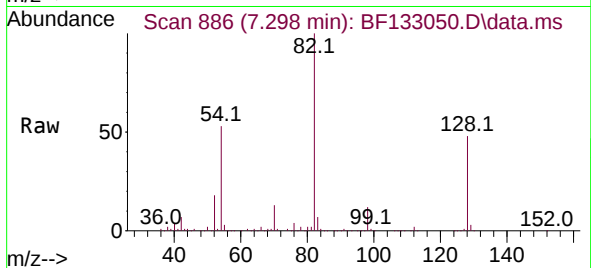
Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

SPB-8WC-23-04-17



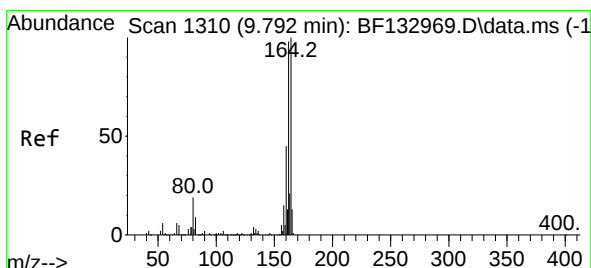
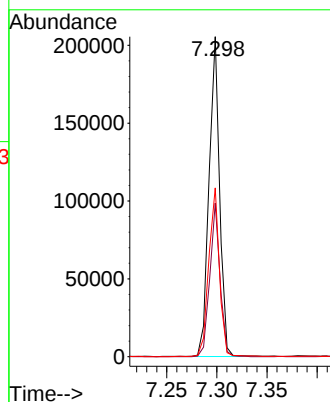
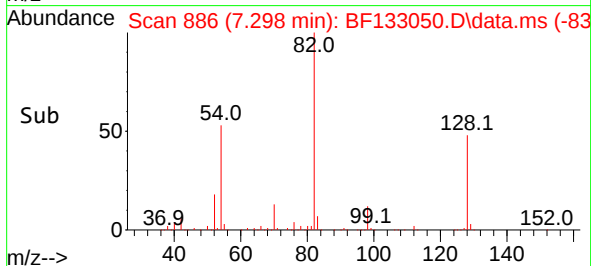
Tgt Ion: 82 Resp: 151250

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	52.8	43.0	64.4

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#39

Acenaphthene-d10

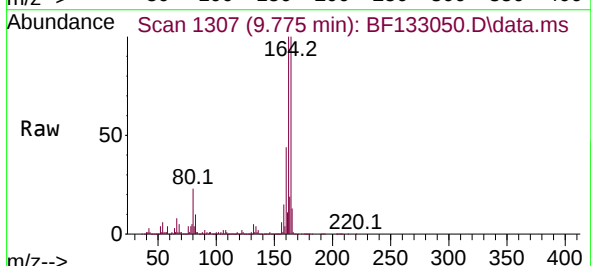
Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.006 min

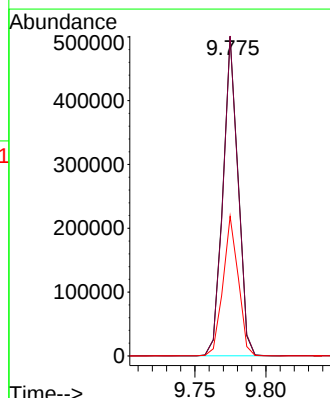
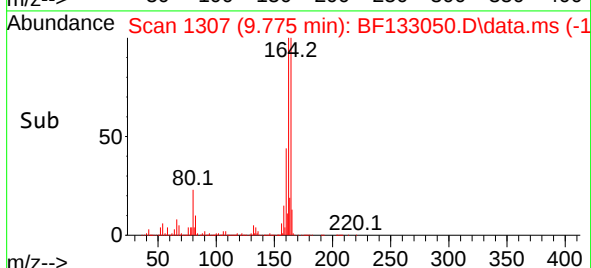
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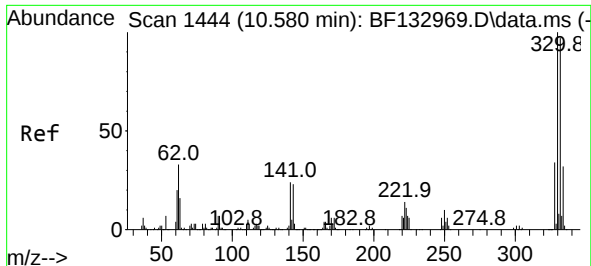
Acq: 26 Apr 2023 03:06



Tgt Ion:164 Resp: 369709

Ion	Ratio	Lower	Upper
164	100		
162	100.2	78.7	118.1
160	43.7	35.8	53.6





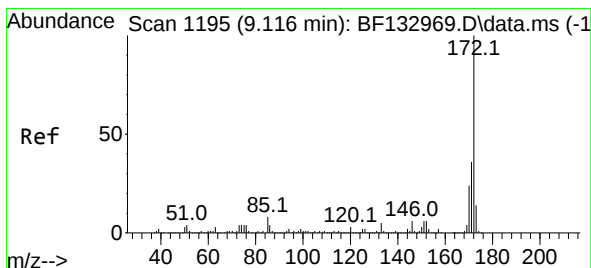
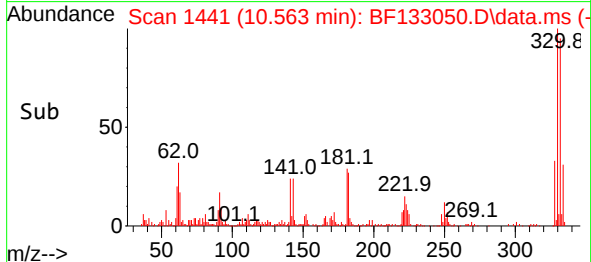
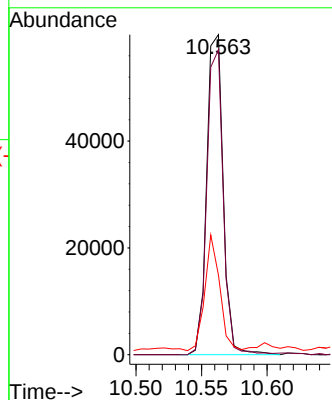
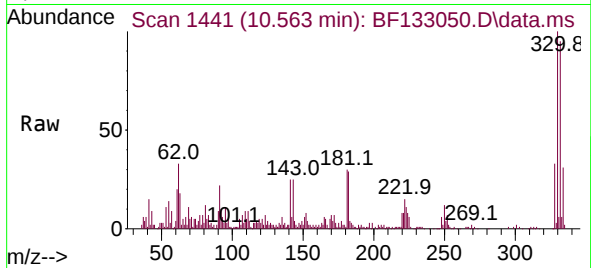
#42
2,4,6-Tribromophenol
Concen: 14.184 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion: 330 Resp: 5273
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 32.6 25.8 38.8

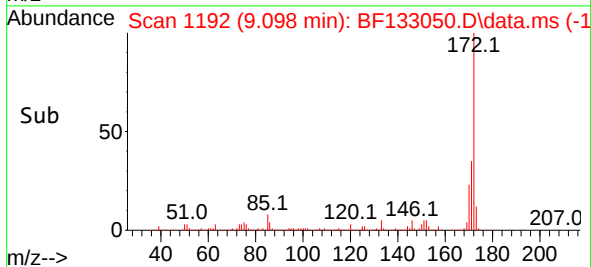
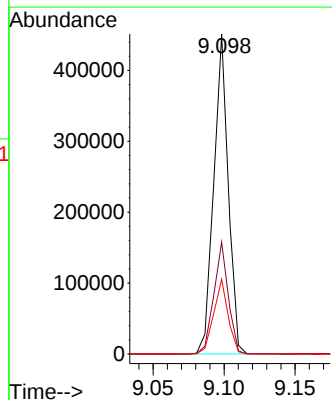
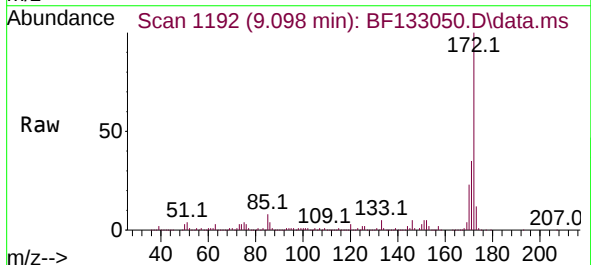
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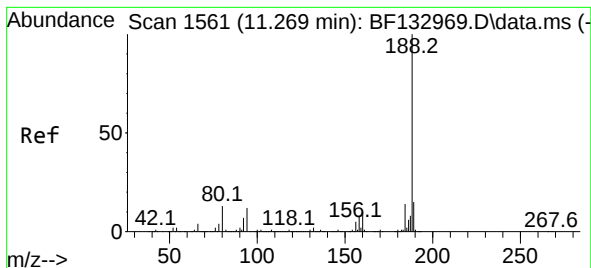
Reviewed By : Christian Giraldo 04/26/2023
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#45
2-Fluorobiphenyl
Concen: 14.463 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion: 172 Resp: 319607
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.4 19.4 29.2





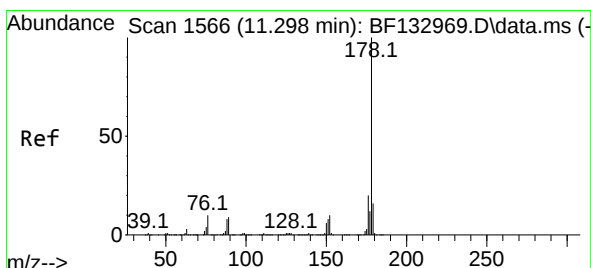
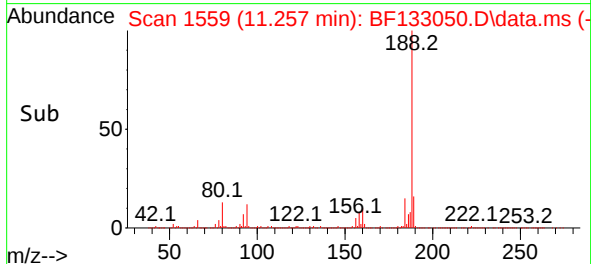
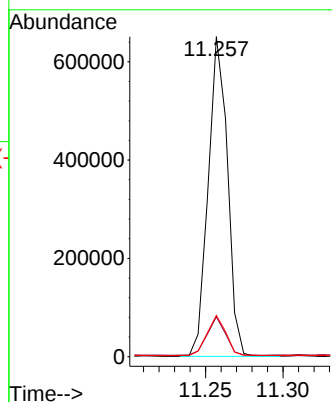
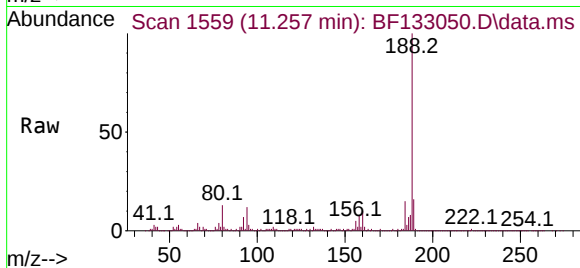
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion:188 Resp: 562972
Ion Ratio Lower Upper
188 100
94 12.5 9.7 14.5
80 12.9 10.4 15.6

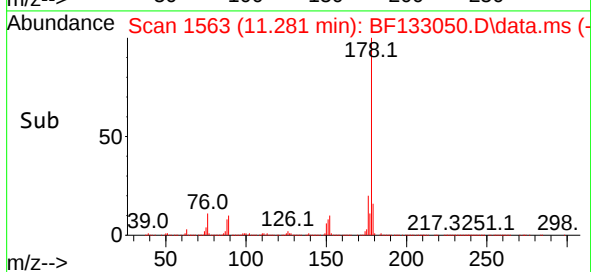
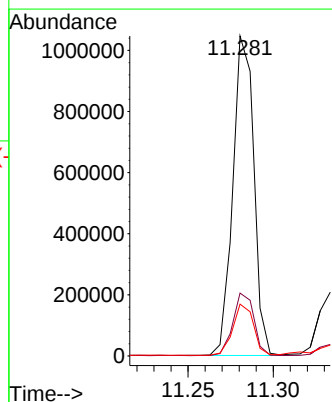
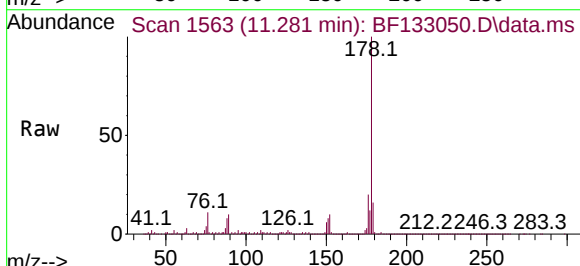
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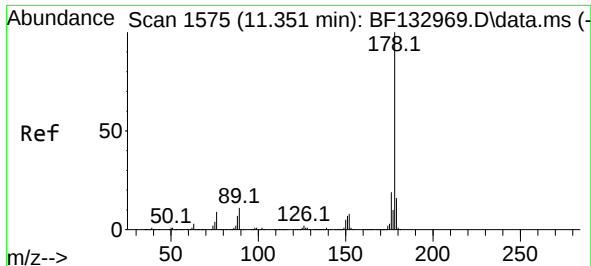
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#71
Phenanthrene
Concen: 29.697 ng
RT: 11.281 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:178 Resp: 898570
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 16.2 12.5 18.7





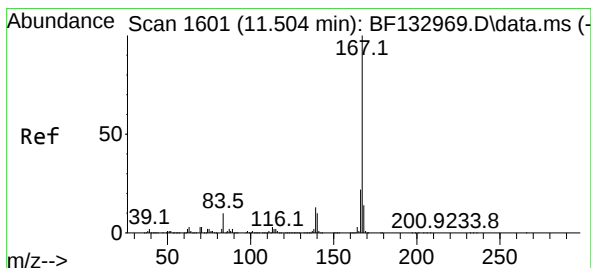
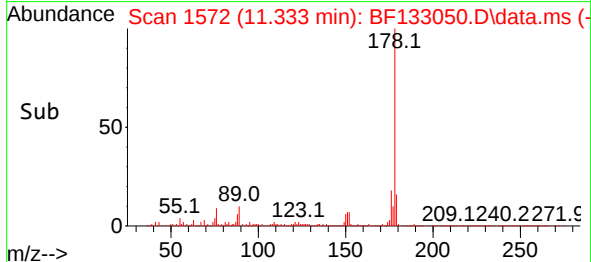
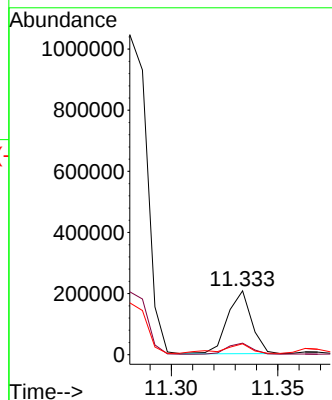
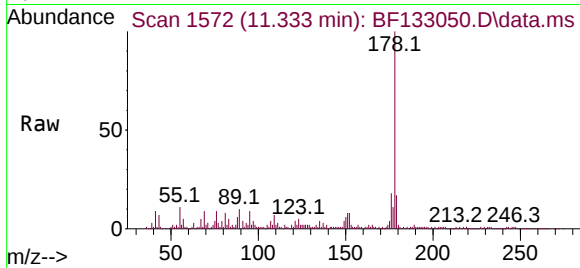
#72
 Anthracene
 Concen: 5.228 ng
 RT: 11.333 min Scan# 1572
 Delta R.T. -0.006 min
 Lab File: BF133050.D
 Acq: 26 Apr 2023 03:06

Instrument :
 BNA_F
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 SPB-8WC-23-04-17

Tgt Ion:178 Resp: 161890
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 17.0 12.4 18.6

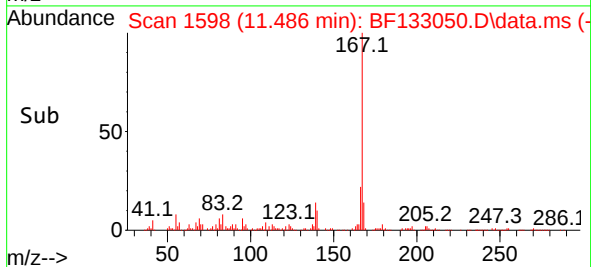
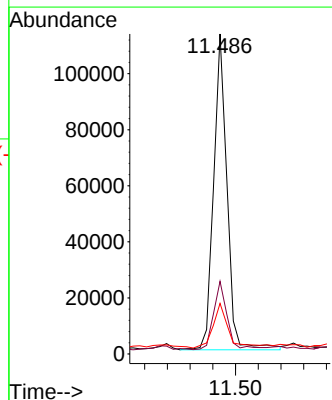
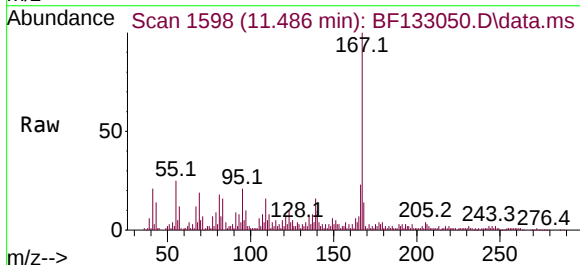
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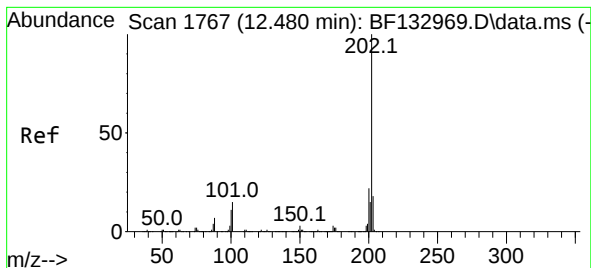
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#73
 Carbazole
 Concen: 3.332 ng
 RT: 11.486 min Scan# 1598
 Delta R.T. -0.006 min
 Lab File: BF133050.D
 Acq: 26 Apr 2023 03:06

Tgt Ion:167 Resp: 91863
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.4 26.0
 139 15.8 10.6 16.0





#75

Fluoranthene

Concen: 58.434 ng

RT: 12.475 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

SPB-8WC-23-04-17

Tgt Ion:202 Resp: 177447

Ion Ratio Lower Upper

202 100

101 14.7 0.0 35.3

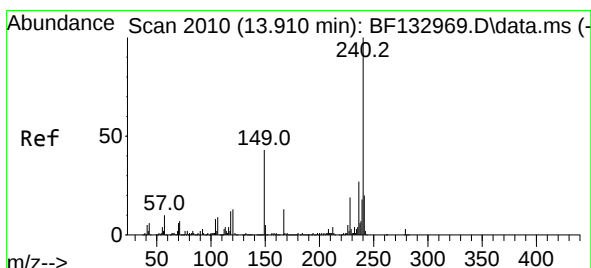
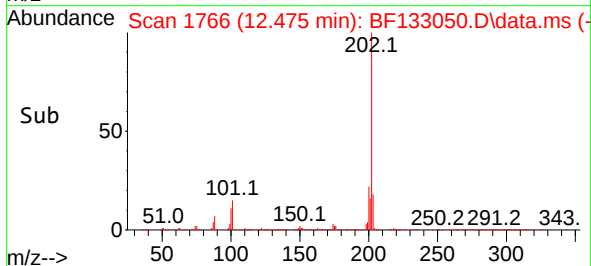
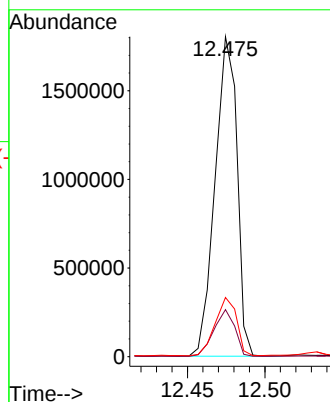
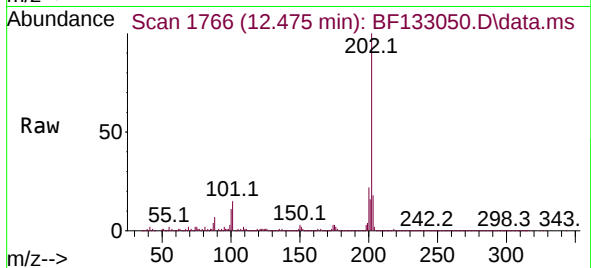
203 18.5 0.0 38.1

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

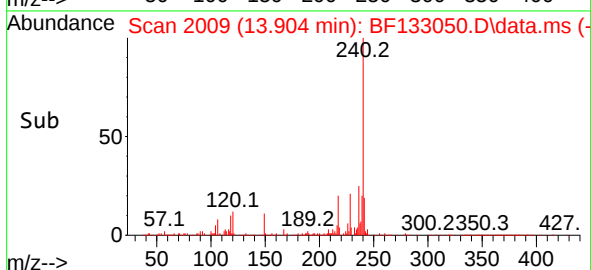
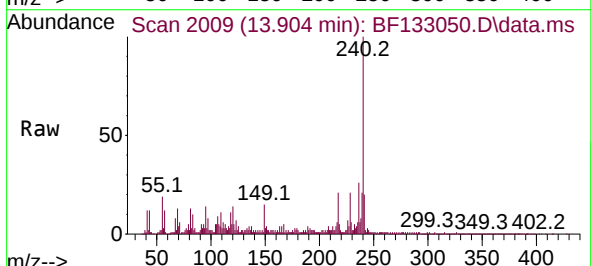
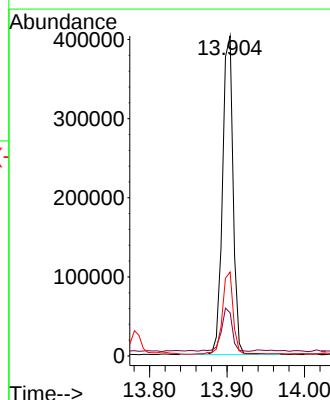
Tgt Ion:240 Resp: 383213

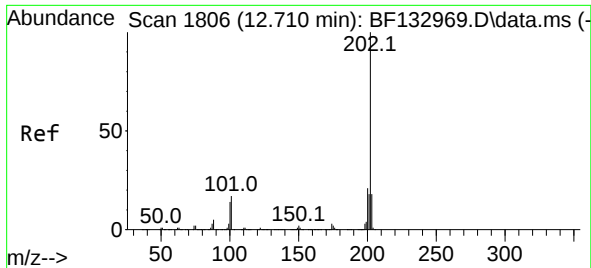
Ion Ratio Lower Upper

240 100

120 13.5 10.5 15.7

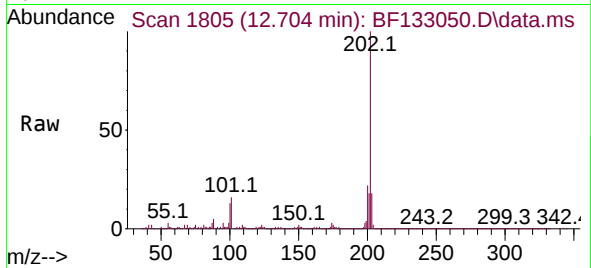
236 26.2 21.5 32.3





#78
Pyrene
Concen: 43.548 ng
RT: 12.704 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

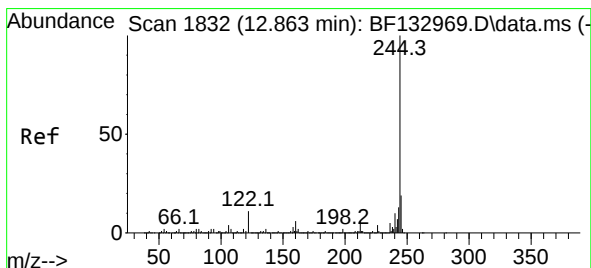
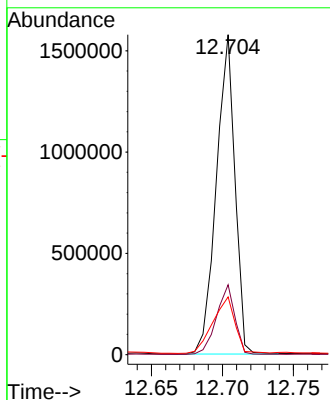
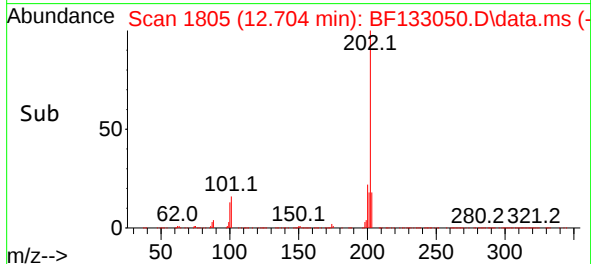
Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17



Tgt Ion:202 Resp: 143055
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 18.1 14.1 21.1

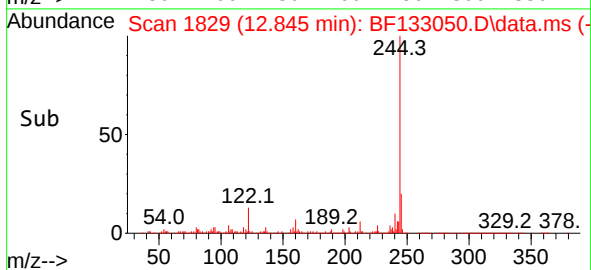
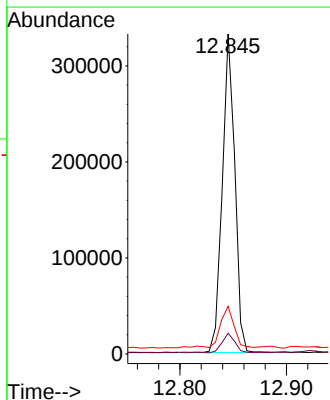
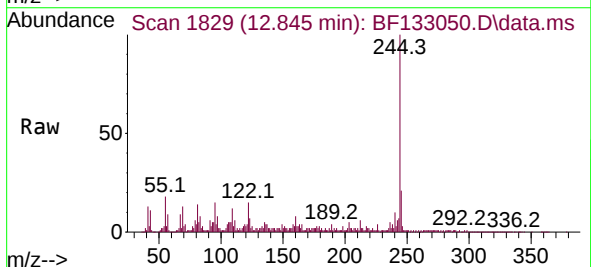
Manual Integrations
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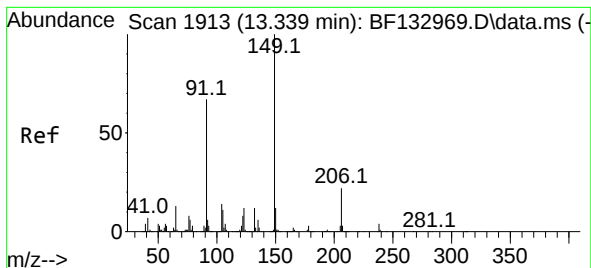
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#79
Terphenyl-d14
Concen: 12.121 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:244 Resp: 269317
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 14.9 8.6 13.0#





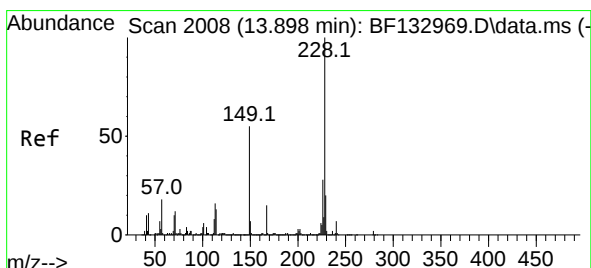
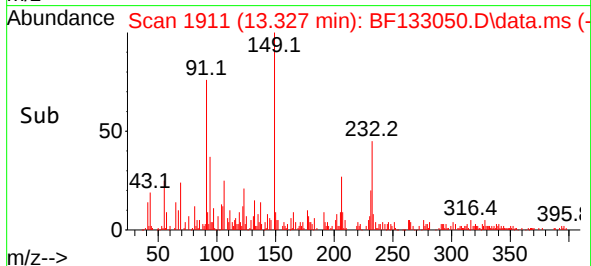
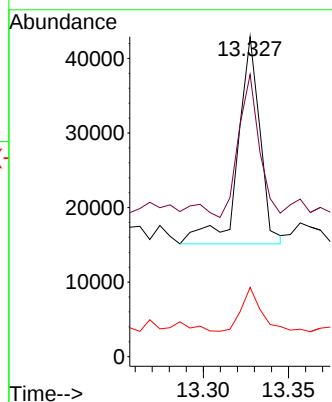
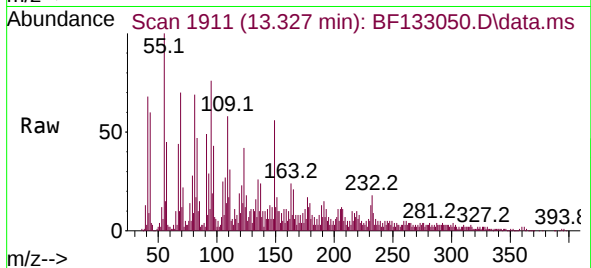
#80
Butylbenzylphthalate
Concen: 2.163 ng
RT: 13.327 min Scan# 1913
Delta R.T. 0.000 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion:149 Resp: 2516
Ion Ratio Lower Upper
149 100
91 88.2 53.8 80.6
206 21.7 17.5 26.3

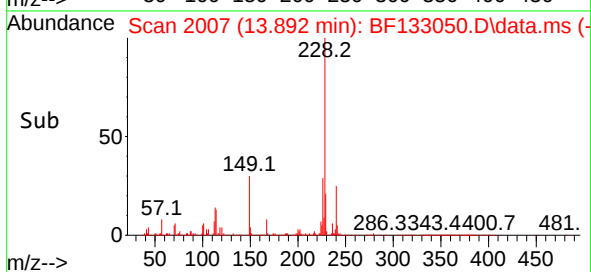
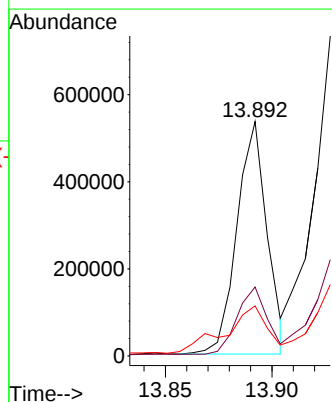
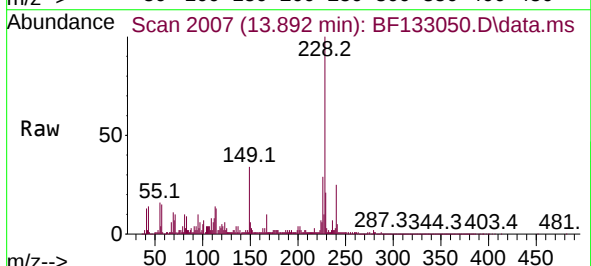
Manual Integrations
APPROVED

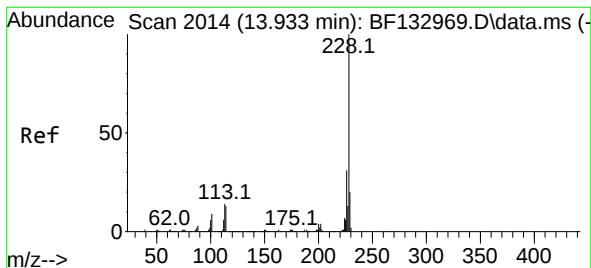
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#81
Benzo(a)anthracene
Concen: 19.914 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:228 Resp: 524776
Ion Ratio Lower Upper
228 100
226 29.4 22.2 33.4
229 21.4 16.0 24.0





#83

Chrysene

Concen: 26.550 ng

RT: 13.927 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

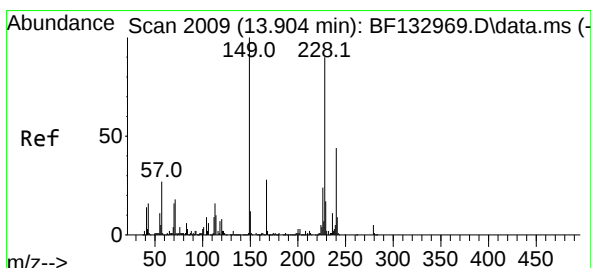
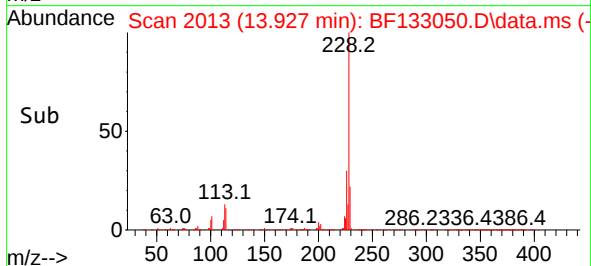
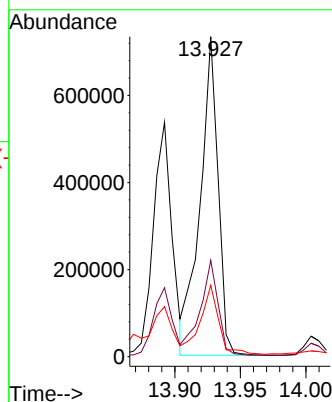
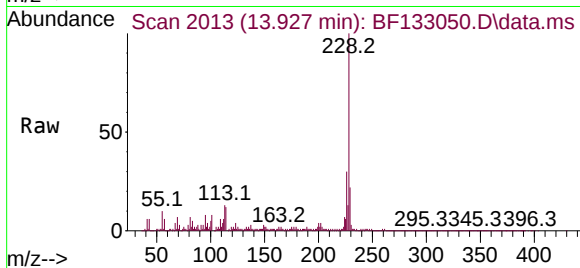
SPB-8WC-23-04-17

Tgt Ion:228 Resp: 699470
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.7 37.1
 229 22.3 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.162 ng

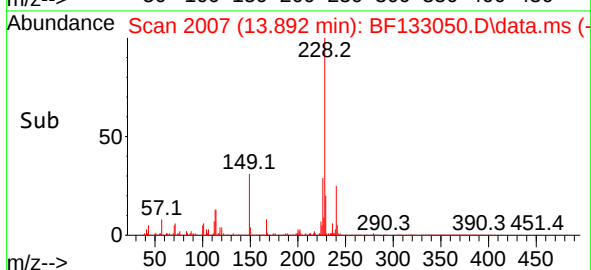
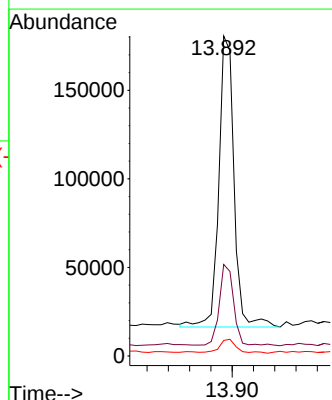
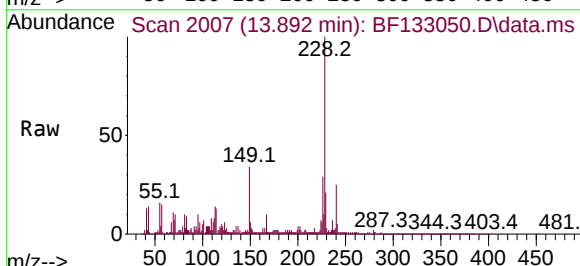
RT: 13.892 min Scan# 2007

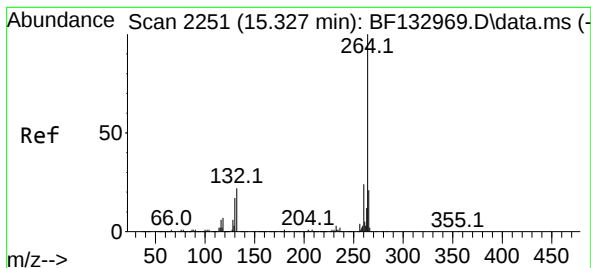
Delta R.T. 0.000 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Tgt Ion:149 Resp: 162966
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.5 33.7
 279 4.8 4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

SPB-8WC-23-04-17

Tgt Ion:264 Resp: 327238

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

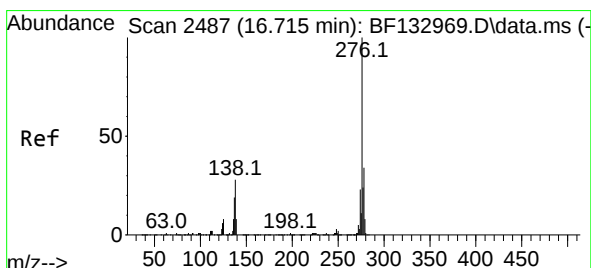
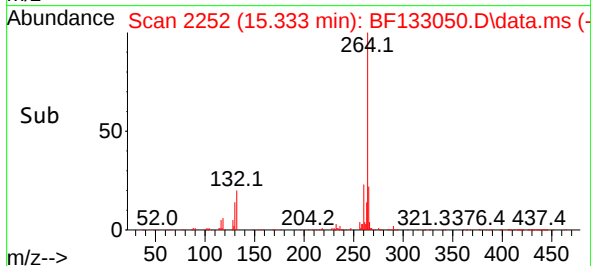
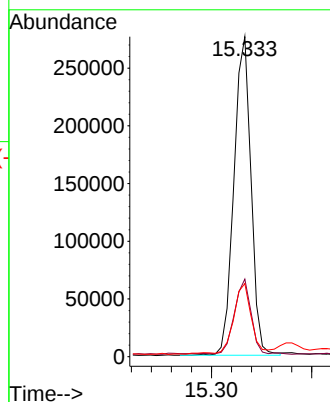
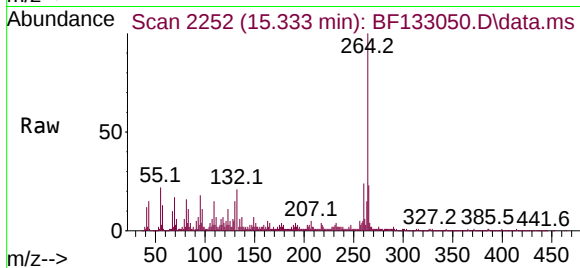
265 22.9 17.0 25.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.421 ng

RT: 16.710 min Scan# 2486

Delta R.T. 0.006 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

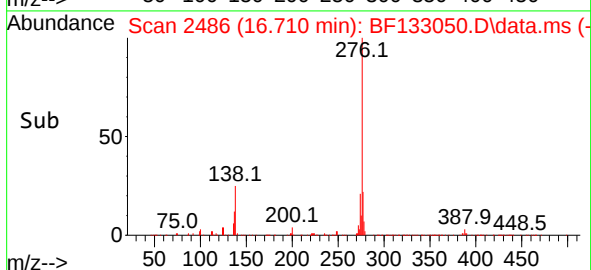
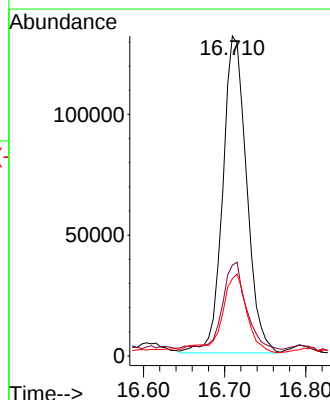
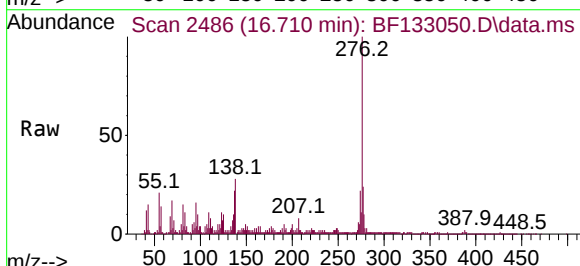
Tgt Ion:276 Resp: 268423

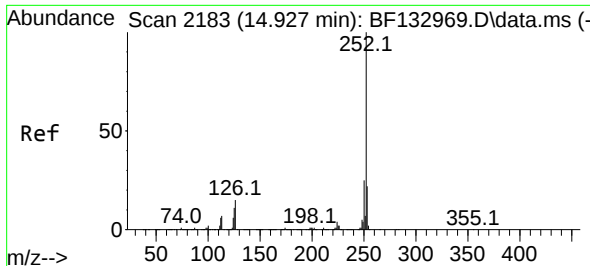
Ion Ratio Lower Upper

276 100

138 27.3 25.5 38.3

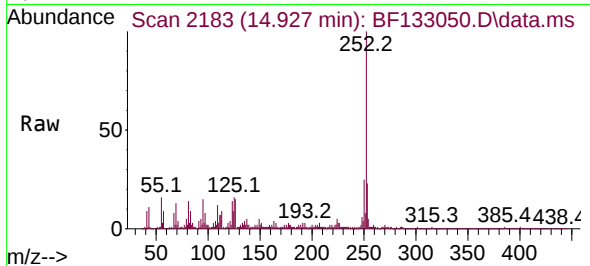
277 26.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 32.524 ng m
RT: 14.927 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

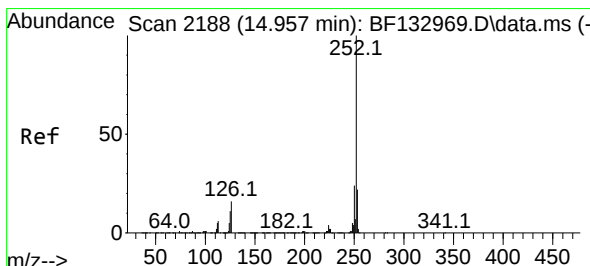
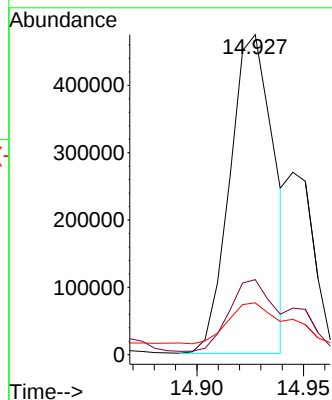
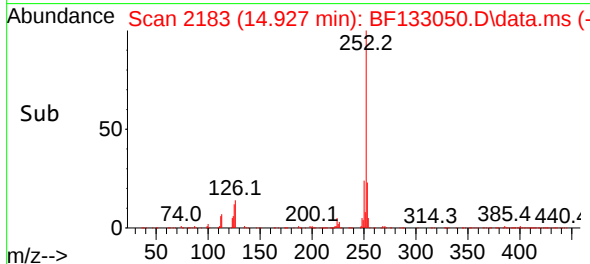
Instrument :
BNA_F
ClientSampleId :
SPB-8WC-23-04-17



Tgt Ion:252 Resp: 677108
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 16.2 8.9 13.3

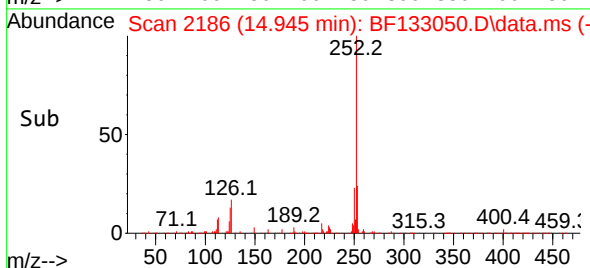
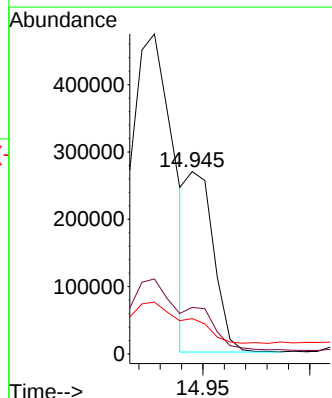
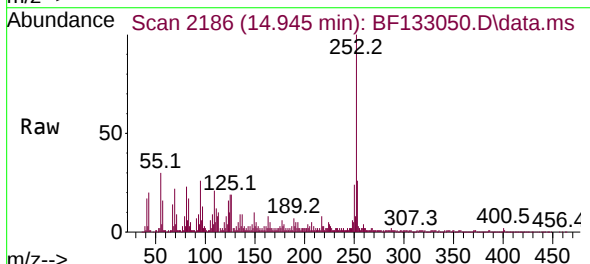
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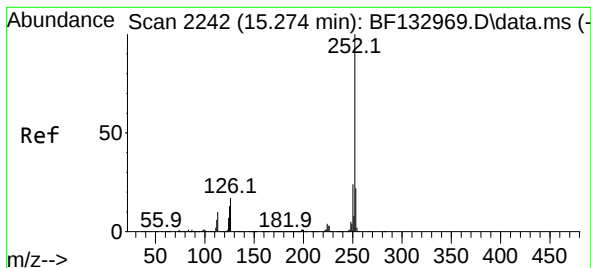
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#89
Benzo(k)fluoranthene
Concen: 11.246 ng m
RT: 14.945 min Scan# 2186
Delta R.T. 0.006 min
Lab File: BF133050.D
Acq: 26 Apr 2023 03:06

Tgt Ion:252 Resp: 232082
Ion Ratio Lower Upper
252 100
253 25.6 17.7 26.5
125 19.4 9.0 13.4





#90

Benzo(a)pyrene

Concen: 20.488 ng

RT: 15.268 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

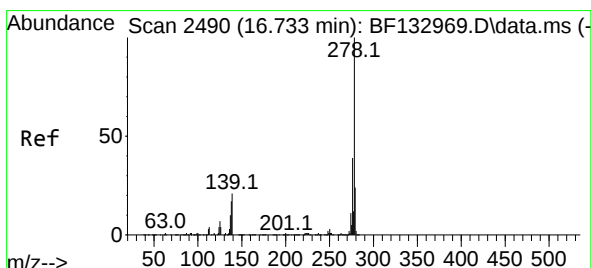
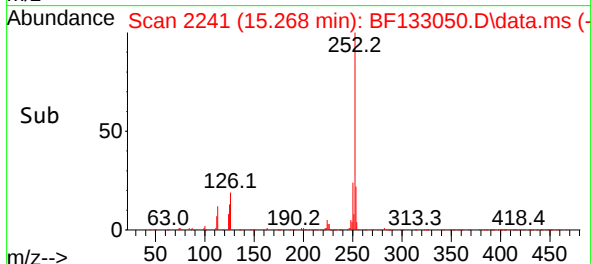
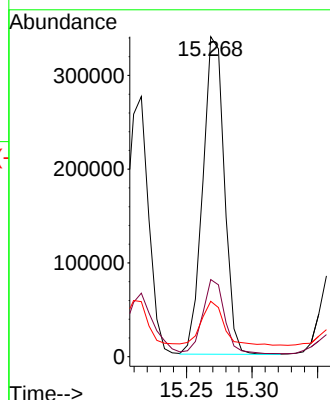
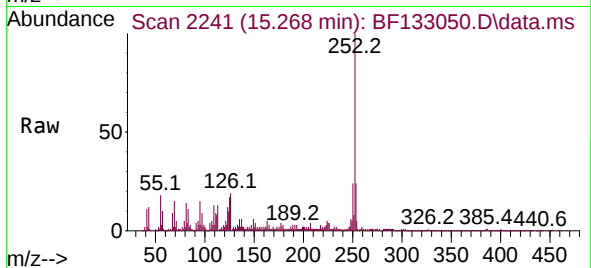
SPB-8WC-23-04-17

Tgt Ion:252 Resp: 388230
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.7 26.5
 125 17.3 10.5 15.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.647 ng

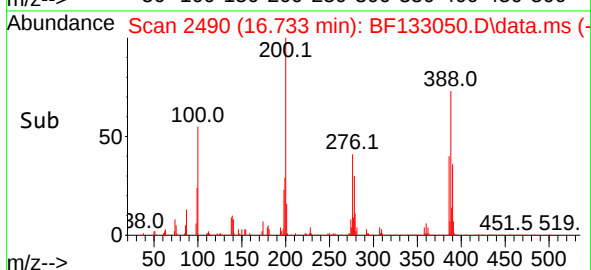
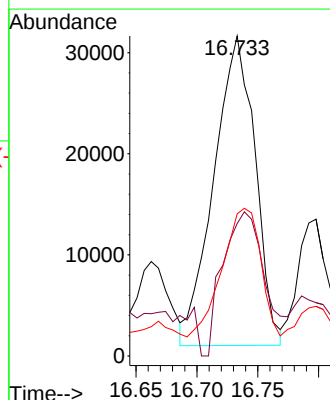
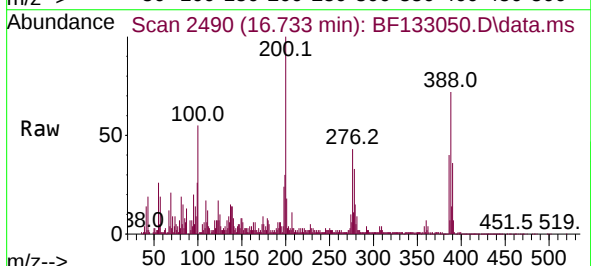
RT: 16.733 min Scan# 2490

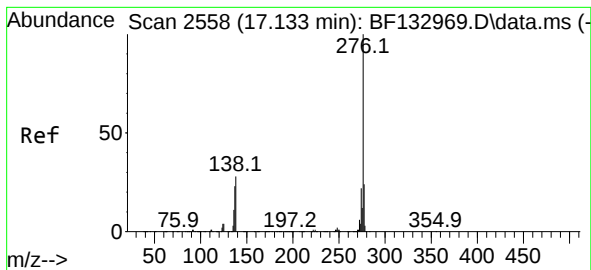
Delta R.T. 0.012 min

Lab File: BF133050.D

Acq: 26 Apr 2023 03:06

Tgt Ion:278 Resp: 72147
 Ion Ratio Lower Upper
 278 100
 139 41.3 16.6 24.8#
 279 44.4 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 16.222 ng

RT: 17.133 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133050.D

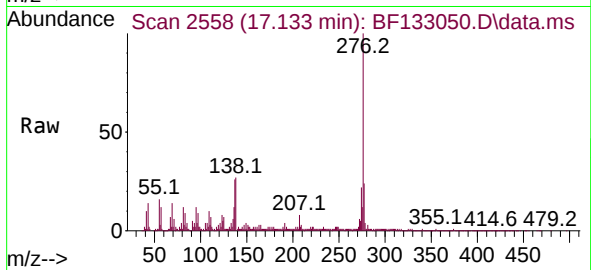
Acq: 26 Apr 2023 03:06

Instrument :

BNA_F

ClientSampleId :

SPB-8WC-23-04-17



Tgt Ion:276 Resp: 24864

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 26.5 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023

