

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130333.D
 Acq On : 19 Sep 2022 22:04
 Operator : CG\JU
 Sample : N4630-16 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022

Quant Time: Sep 20 02:30:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	86194	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	296122	20.000	ng	0.00
39) Acenaphthene-d10	9.692	164	128953	20.000	ng	0.00
64) Phenanthrene-d10	11.174	188	205583	20.000	ng	# 0.00
76) Chrysene-d12	13.827	240	209731	20.000	ng	# 0.02
86) Perylene-d12	15.239	264	147799	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	101404	20.405	ng	0.00
7) Phenol-d6	6.304	99	117470	18.892	ng	0.00
23) Nitrobenzene-d5	7.222	82	80808	13.941	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	22769	18.427	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	114054	12.879	ng	0.00
79) Terphenyl-d14	12.768	244	132091	10.433	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.198	178	95097	8.239	ng	# 92
75) Fluoranthene	12.392	202	119609	10.724	ng	93
78) Pyrene	12.621	202	152849	8.331	ng	# 95
81) Benzo(a)anthracene	13.815	228	122357	8.770	ng	# 77
83) Chrysene	13.851	228	184390	13.919	ng	# 81
88) Benzo(b)fluoranthene	14.839	252	87947m	9.117	ng	
90) Benzo(a)pyrene	15.180	252	62752	8.211	ng	# 14
92) Benzo(g,h,i)perylene	16.968	276	36456	4.209	ng	# 73

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

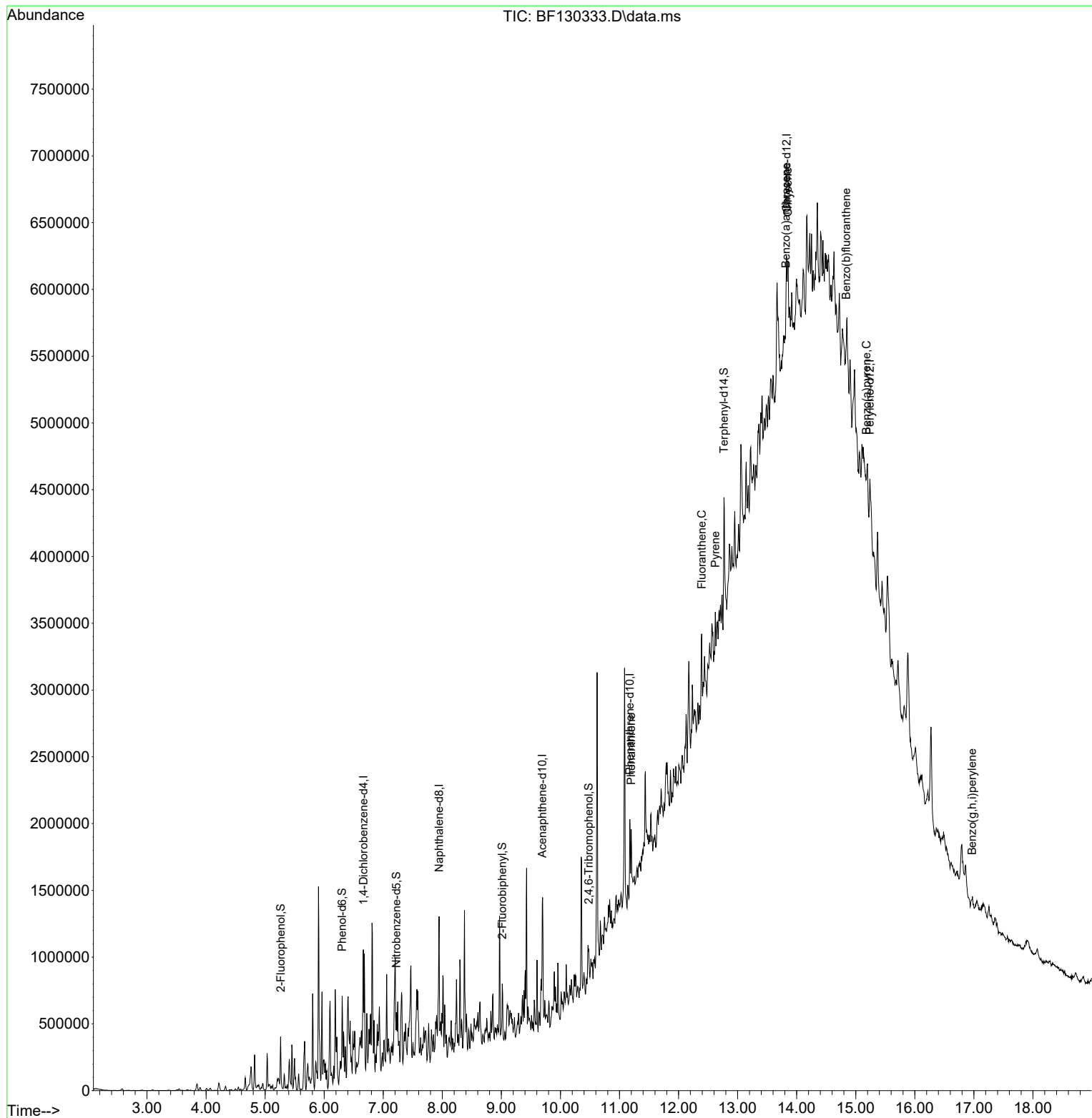
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
Data File : BF130333.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

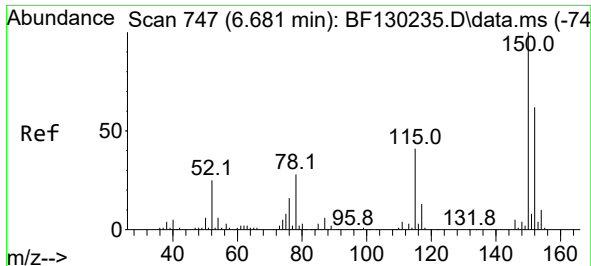
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

Quant Time: Sep 20 02:30:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
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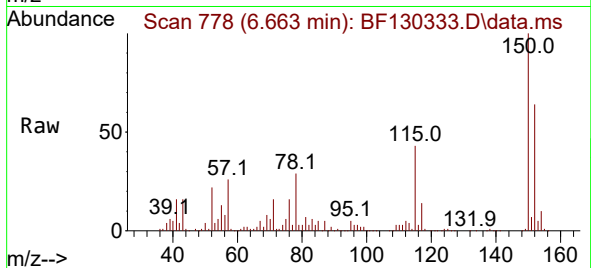
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

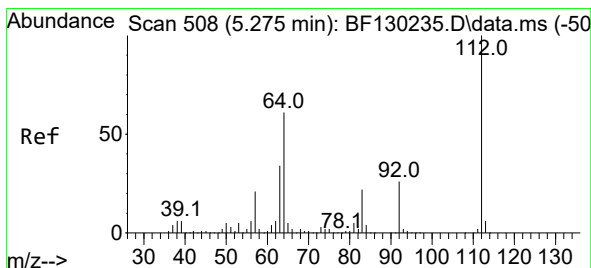
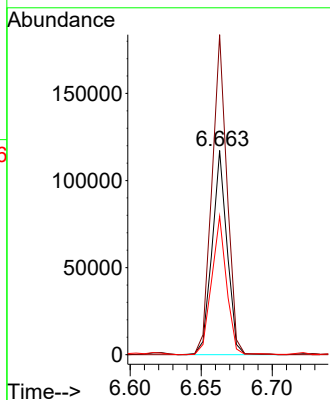
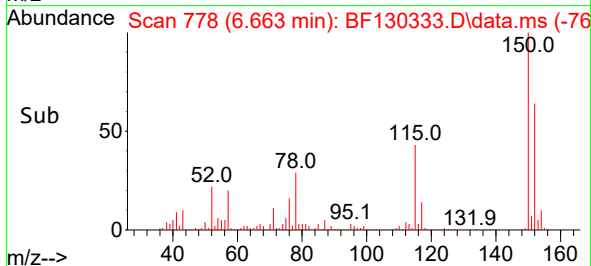
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



Tgt Ion:152 Resp: 86194
Ion Ratio Lower Upper
152 100
150 156.7 122.8 184.2
115 67.8 53.8 80.8

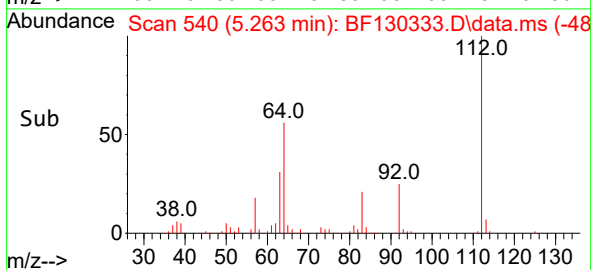
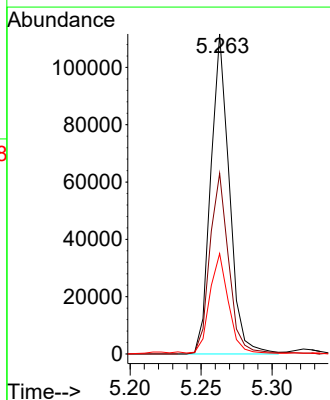
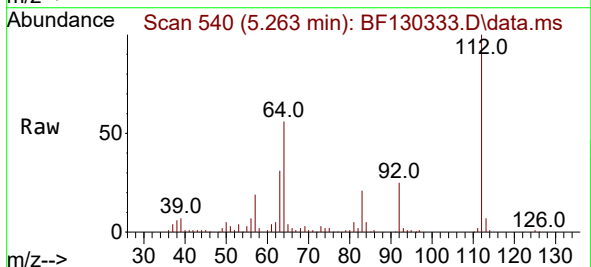
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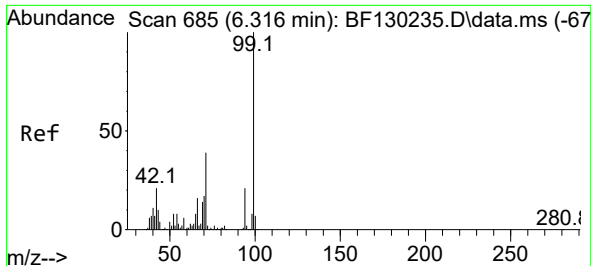
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#5
2-Fluorophenol
Concen: 20.405 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

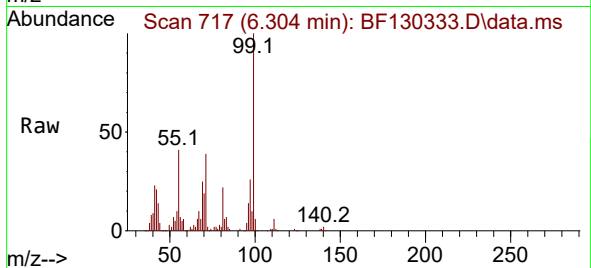
Tgt Ion:112 Resp: 101404
Ion Ratio Lower Upper
112 100
64 56.5 51.4 77.0
63 31.4 28.8 43.2





#7
Phenol-d6
Concen: 18.892 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

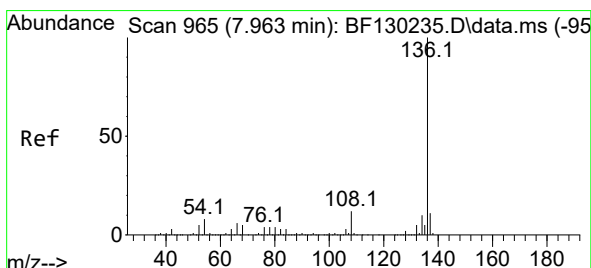
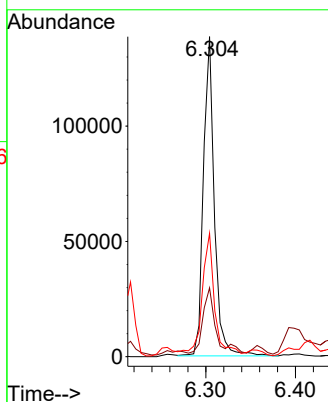
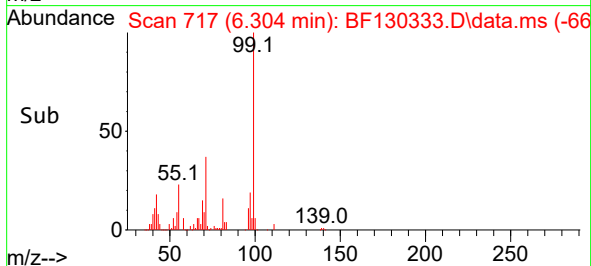
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



Tgt Ion: 99 Resp: 117470
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 38.6 32.3 48.5

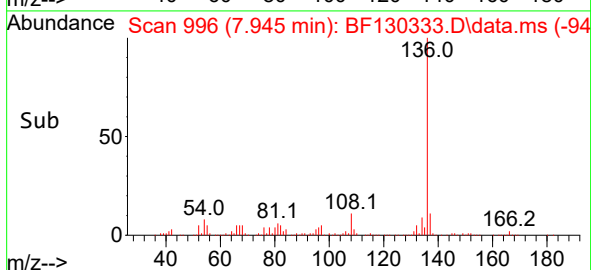
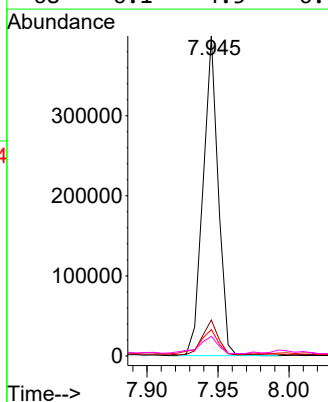
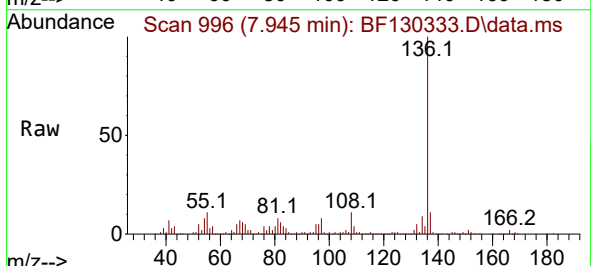
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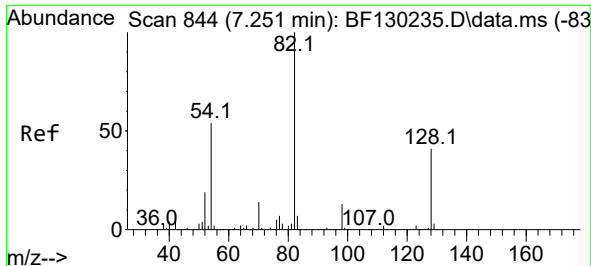
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:136 Resp: 296122
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.2 7.1 10.7
68 6.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 13.941 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

Tgt Ion: 82 Resp: 80808

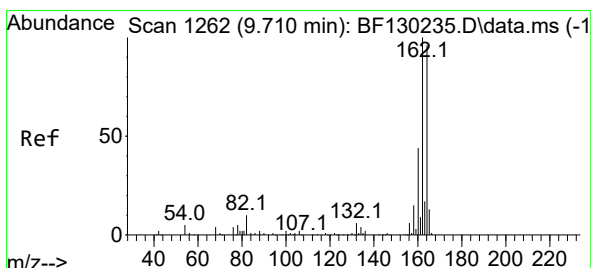
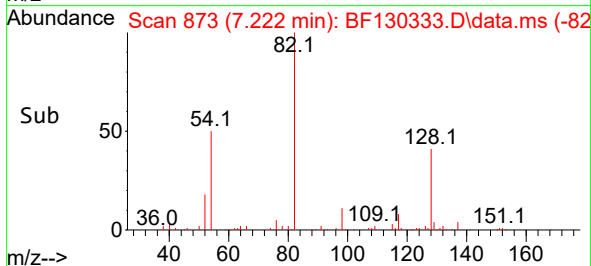
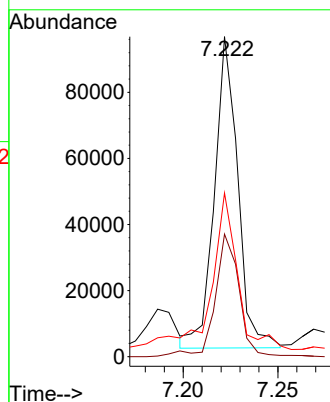
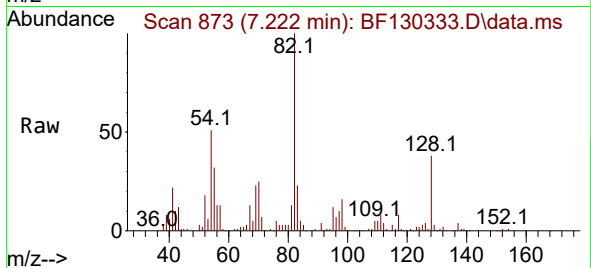
Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.6	49.0
54	51.2	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.692 min Scan# 1293

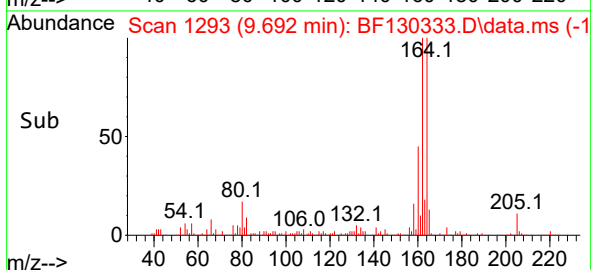
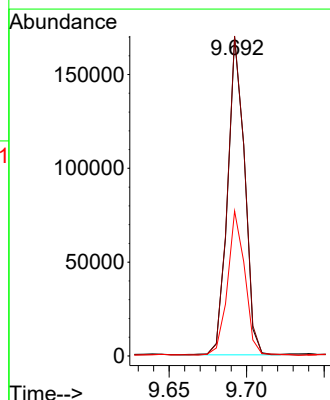
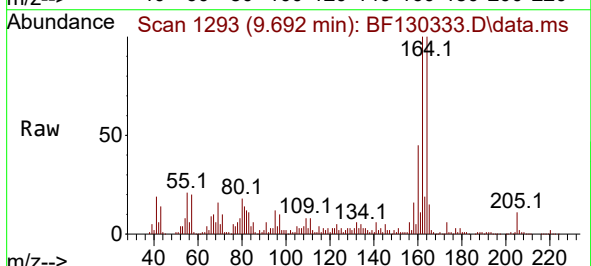
Delta R.T. -0.000 min

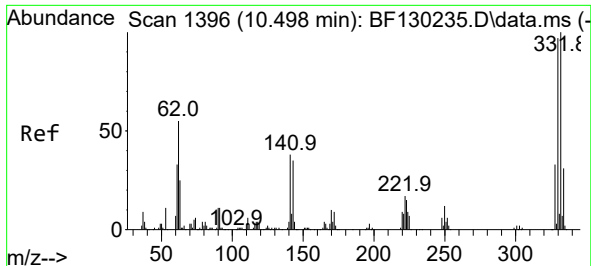
Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Tgt Ion:164 Resp: 128953

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.4	122.0
160	45.5	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 18.427 ng

RT: 10.480 min Scan# 1427

Delta R.T. -0.000 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

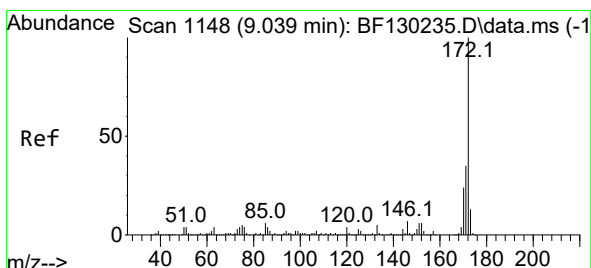
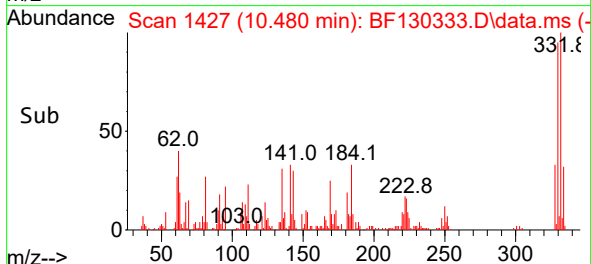
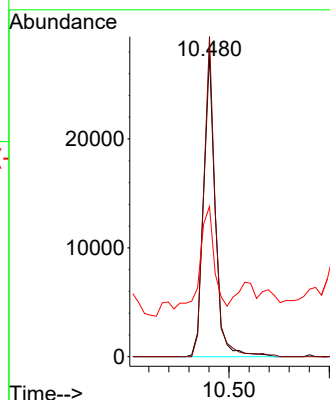
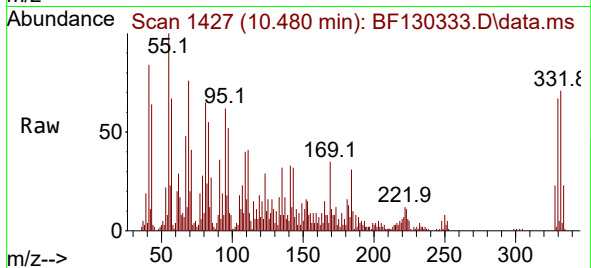
Tgt Ion:	330	Resp:	22769
Ion Ratio	Lower	Upper	
330	100		
332	102.7	83.4	125.2
141	39.5	34.0	51.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/20/2022



#45

2-Fluorobiphenyl

Concen: 12.879 ng

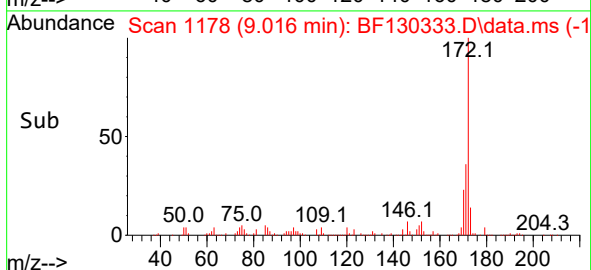
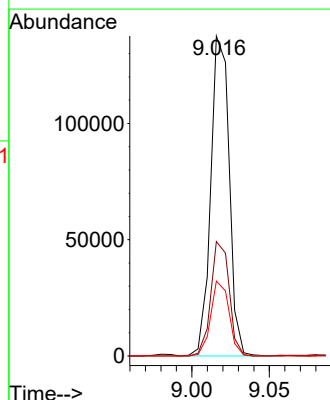
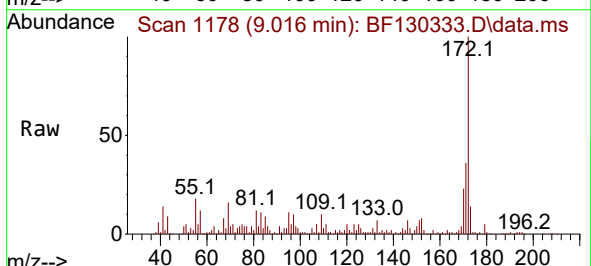
RT: 9.016 min Scan# 1178

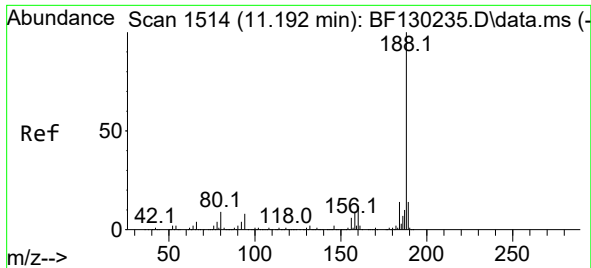
Delta R.T. -0.006 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Tgt Ion:	172	Resp:	114054
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.3	42.5
170	23.4	18.7	28.1





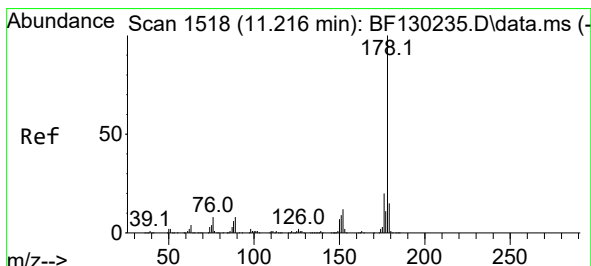
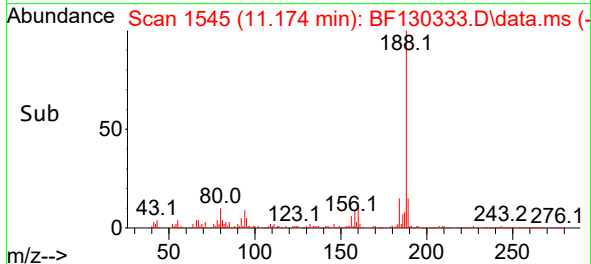
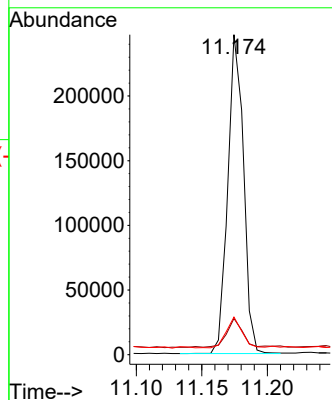
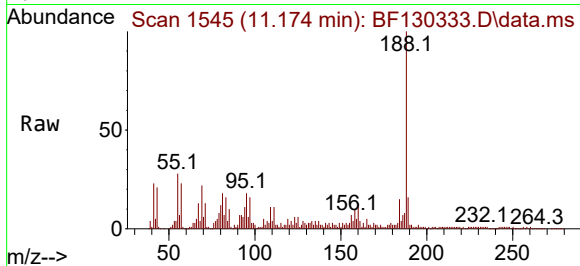
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.174 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

Tgt Ion:188 Resp: 20558
Ion Ratio Lower Upper
188 100
94 11.3 7.4 11.2
80 11.7 7.9 11.9

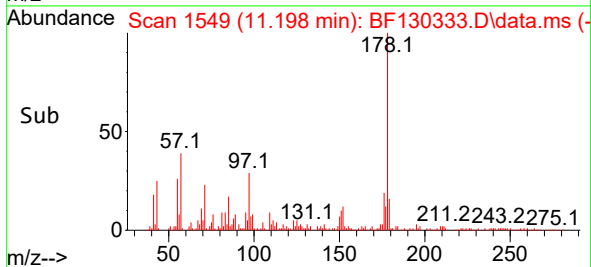
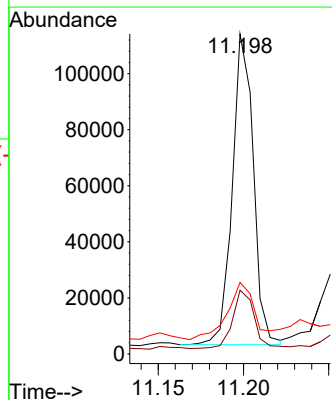
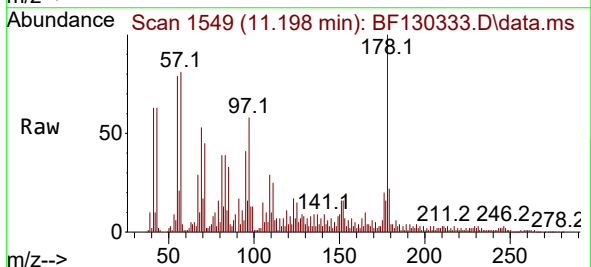
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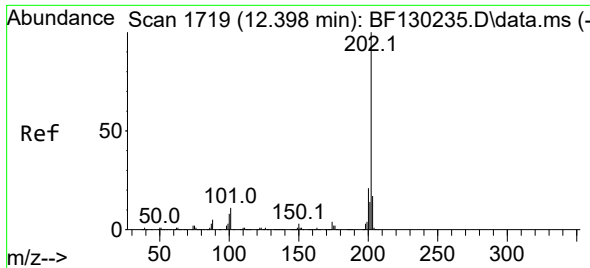
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#71
Phenanthrene
Concen: 8.239 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

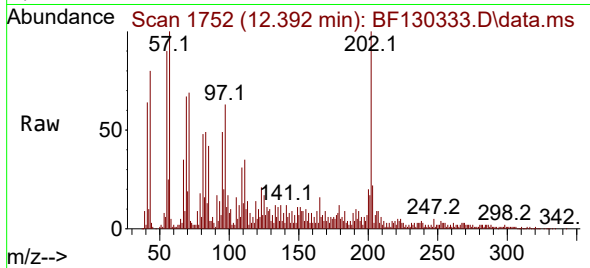
Tgt Ion:178 Resp: 95097
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 22.4 12.4 18.6





#75
Fluoranthene
Concen: 10.724 ng
RT: 12.392 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

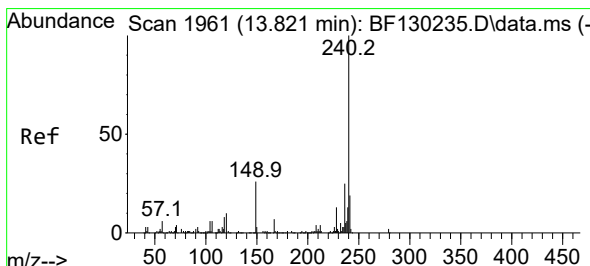
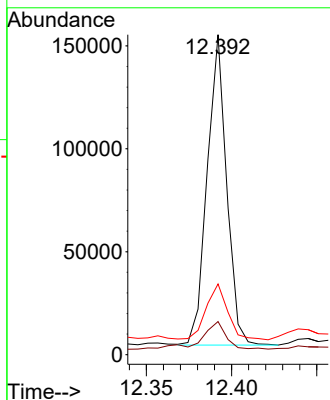
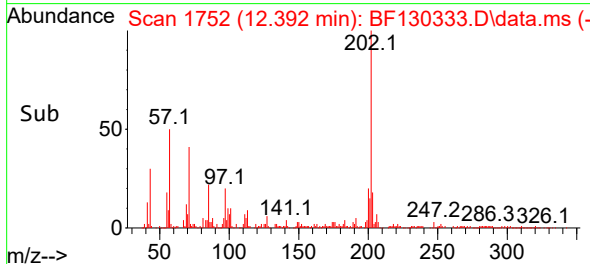
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



Tgt Ion:202 Resp: 119609
Ion Ratio Lower Upper
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101 10.4 0.0 31.8
203 22.1 0.0 37.8

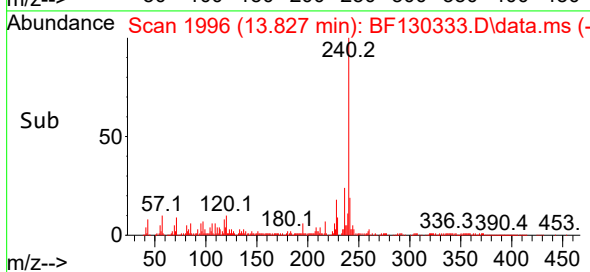
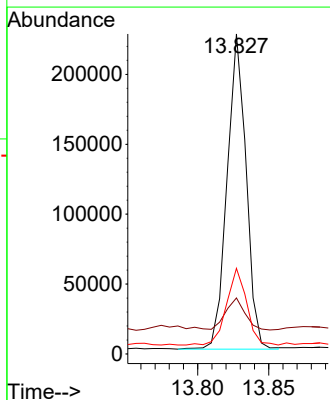
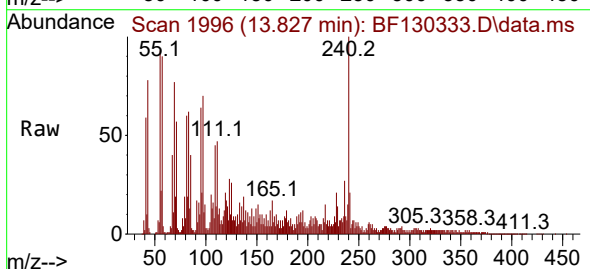
Manual Integrations
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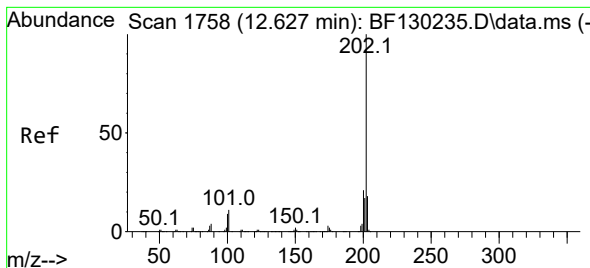
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.827 min Scan# 1996
Delta R.T. 0.024 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:240 Resp: 209731
Ion Ratio Lower Upper
240 100
120 17.5 8.7 13.1#
236 26.8 20.9 31.3





#78

Pyrene

Concen: 8.331 ng

RT: 12.621 min Scan# 1816

Delta R.T. 0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

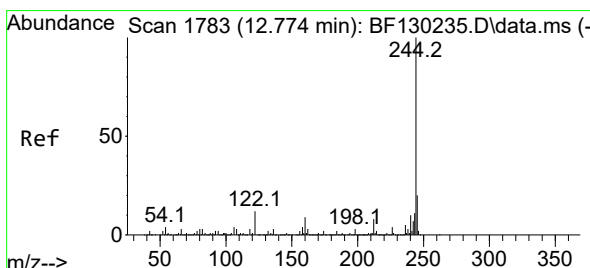
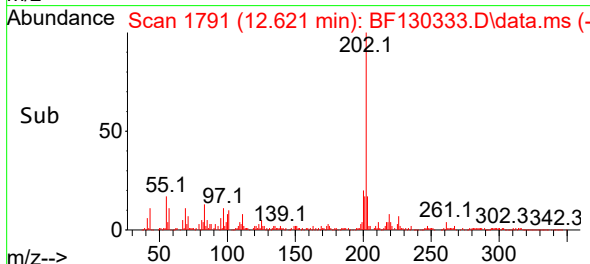
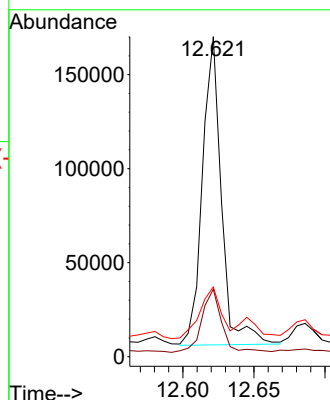
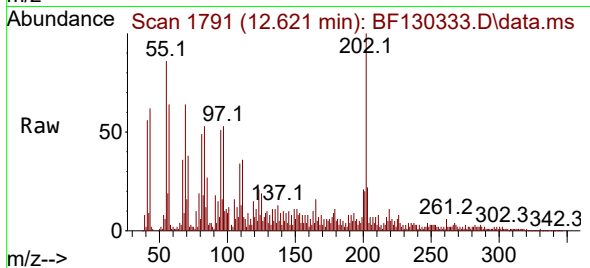
Tgt Ion:202 Resp: 152849
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.2 25.8
 203 21.8 14.3 21.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/20/2022



#79

Terphenyl-d14

Concen: 10.433 ng

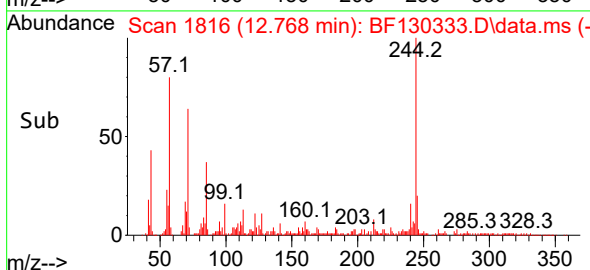
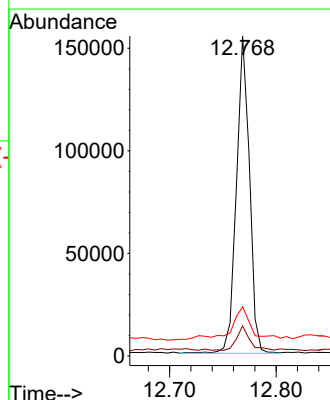
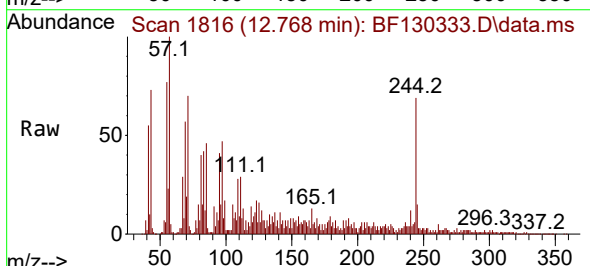
RT: 12.768 min Scan# 1816

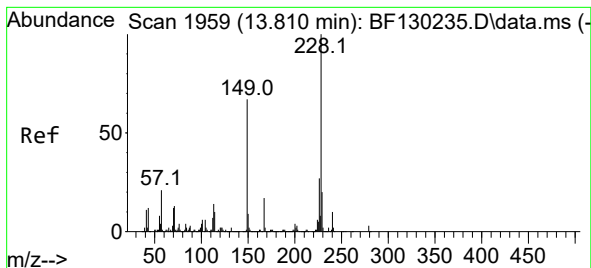
Delta R.T. 0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

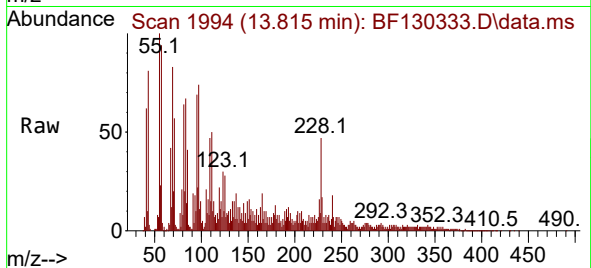
Tgt Ion:244 Resp: 132091
 Ion Ratio Lower Upper
 244 100
 212 9.4 5.9 8.9#
 122 15.4 8.5 12.7#





#81
Benzo(a)anthracene
Concen: 8.770 ng
RT: 13.815 min Scan# 1959
Delta R.T. 0.024 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

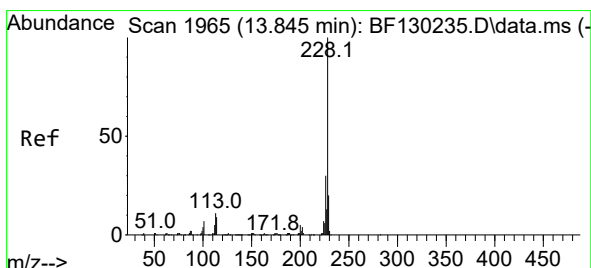
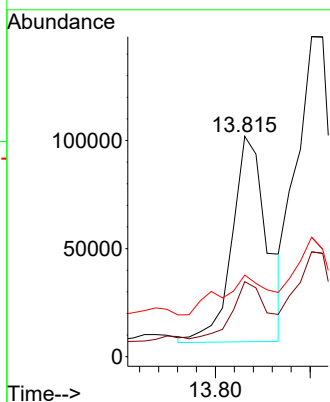
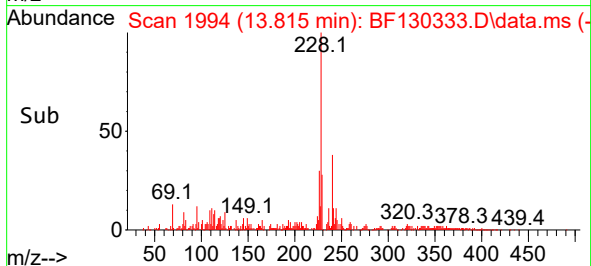
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



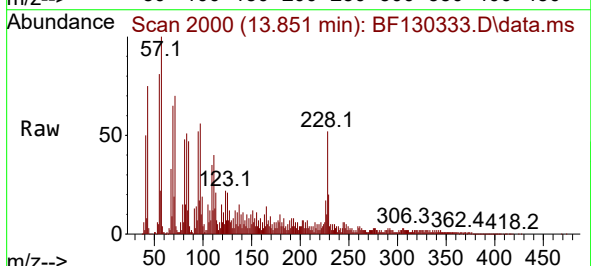
Tgt Ion:228 Resp: 12235
Ion Ratio Lower Upper
228 100
226 34.1 21.9 32.9
229 37.0 16.1 24.1

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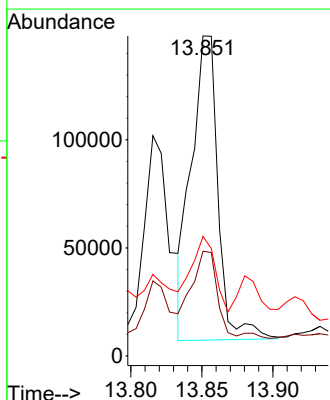
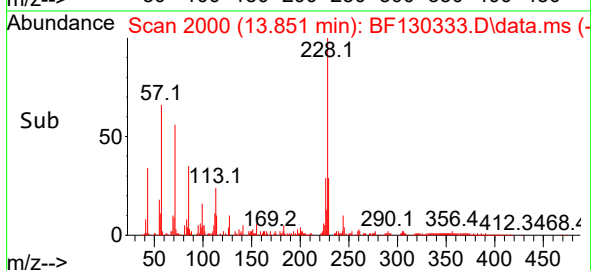
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

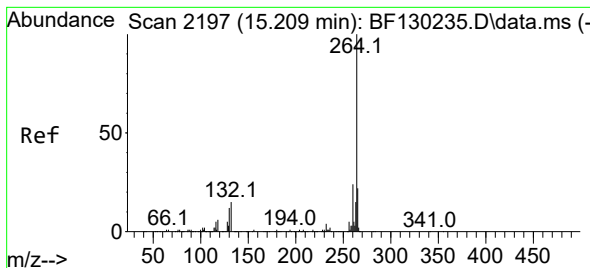


#83
Chrysene
Concen: 13.919 ng
RT: 13.851 min Scan# 2000
Delta R.T. 0.024 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04



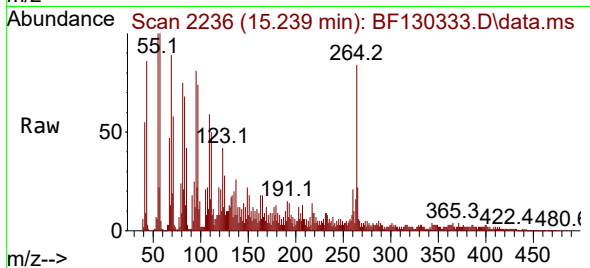
Tgt Ion:228 Resp: 184390
Ion Ratio Lower Upper
228 100
226 32.7 23.8 35.8
229 37.3 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.239 min Scan# 2197
Delta R.T. 0.053 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

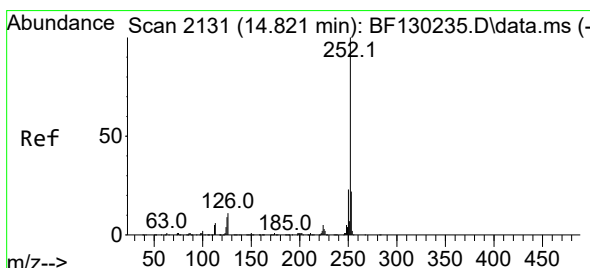
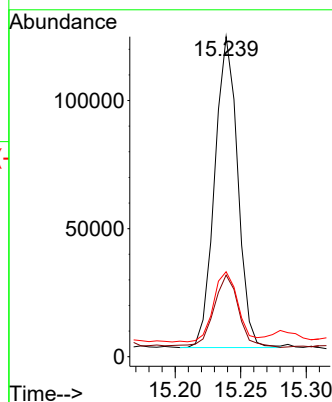
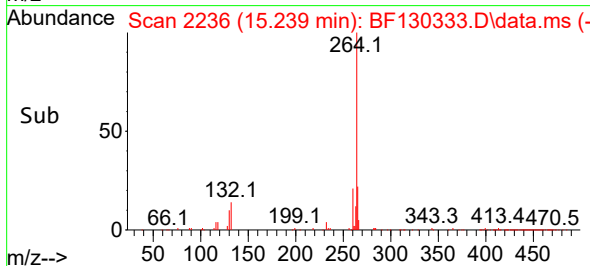
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



Tgt Ion:264 Resp: 147799
Ion Ratio Lower Upper
264 100
260 25.5 19.3 28.9
265 26.5 17.0 25.4

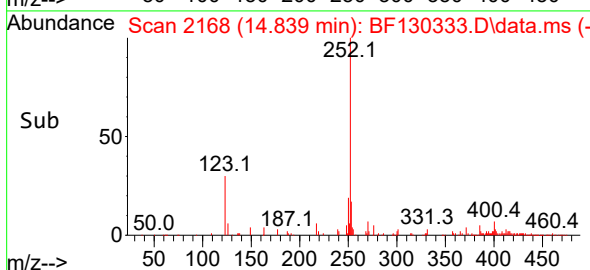
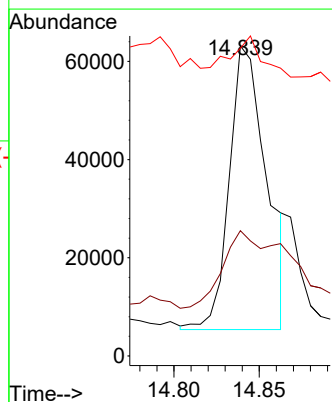
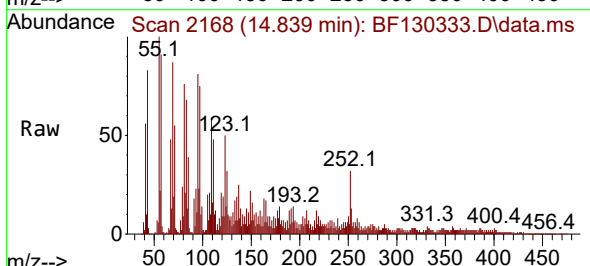
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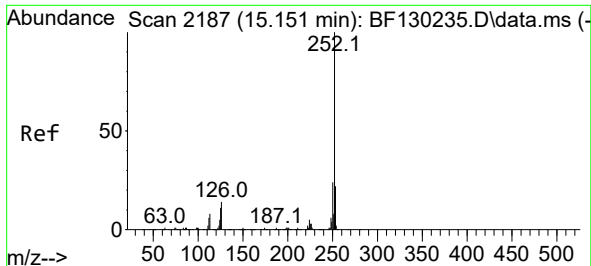
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#88
Benzo(b)fluoranthene
Concen: 9.117 ng m
RT: 14.839 min Scan# 2168
Delta R.T. 0.041 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

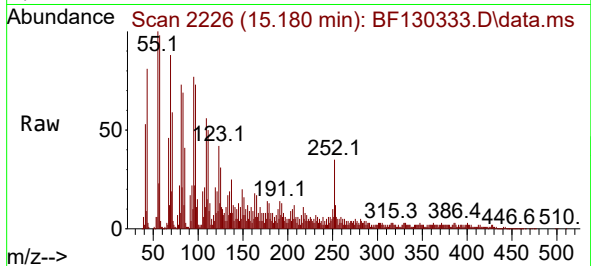
Tgt Ion:252 Resp: 87947
Ion Ratio Lower Upper
252 100
253 40.4 17.7 26.5#
125 99.2 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 8.211 ng
RT: 15.180 min Scan# 2187
Delta R.T. 0.047 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

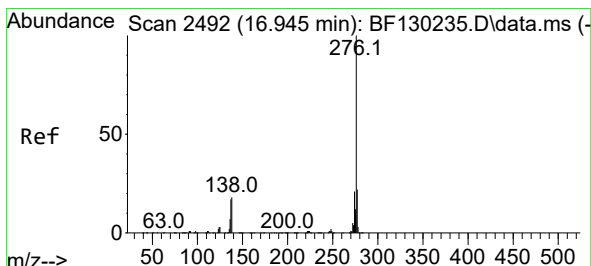
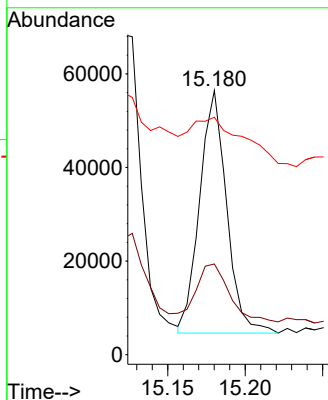
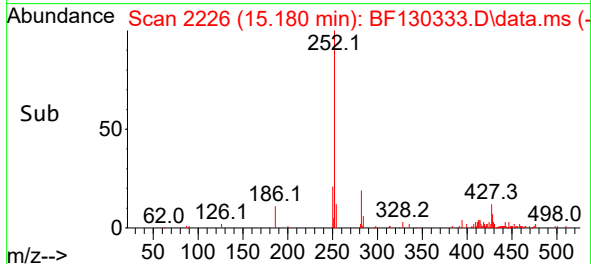
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4



Tgt Ion:252 Resp: 62752
Ion Ratio Lower Upper
252 100
253 34.3 17.8 26.6
125 89.9 9.0 13.6

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Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#92
Benzo(g,h,i)perylene
Concen: 4.209 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.059 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:276 Resp: 36456
Ion Ratio Lower Upper
276 100
277 32.3 18.6 27.8#
138 34.8 14.6 21.8#

