

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130362.D
 Acq On : 21 Sep 2022 15:28
 Operator : CG\JU
 Sample : N4630-01DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/22/2022
 Supervised By : Jagrut Upadhyay 09/22/2022

Quant Time: Sep 21 16:02:19 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	6.657	152	138387	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	530648	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	247306	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	327645	20.000	ng	0.00
76) Chrysene-d12	13.810	240	252193	20.000	ng	0.00
86) Perylene-d12	15.209	264	264388	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	27158	3.404	ng	0.00
7) Phenol-d6	6.292	99	34758	3.482	ng	0.00
23) Nitrobenzene-d5	7.216	82	22544	2.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.474	330	6640	2.802	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	42183	2.484	ng	-0.01
79) Terphenyl-d14	12.751	244	29695	1.950	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.192	178	109082	5.930	ng	99
75) Fluoranthene	12.374	202	52510	2.954	ng	95
78) Pyrene	12.604	202	153339	6.950	ng	99
81) Benzo(a)anthracene	13.798	228	363994	21.696	ng	96
83) Chrysene	13.833	228	704833	44.246	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.533	276	92646	4.941	ng	97
88) Benzo(b)fluoranthene	14.815	252	245786m	14.243	ng	
90) Benzo(a)pyrene	15.151	252	266411	19.487	ng	96
91) Dibenzo(a,h)anthracene	16.545	278	124131	8.071	ng	# 85
92) Benzo(g,h,i)perylene	16.939	276	151011	9.747	ng	96

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

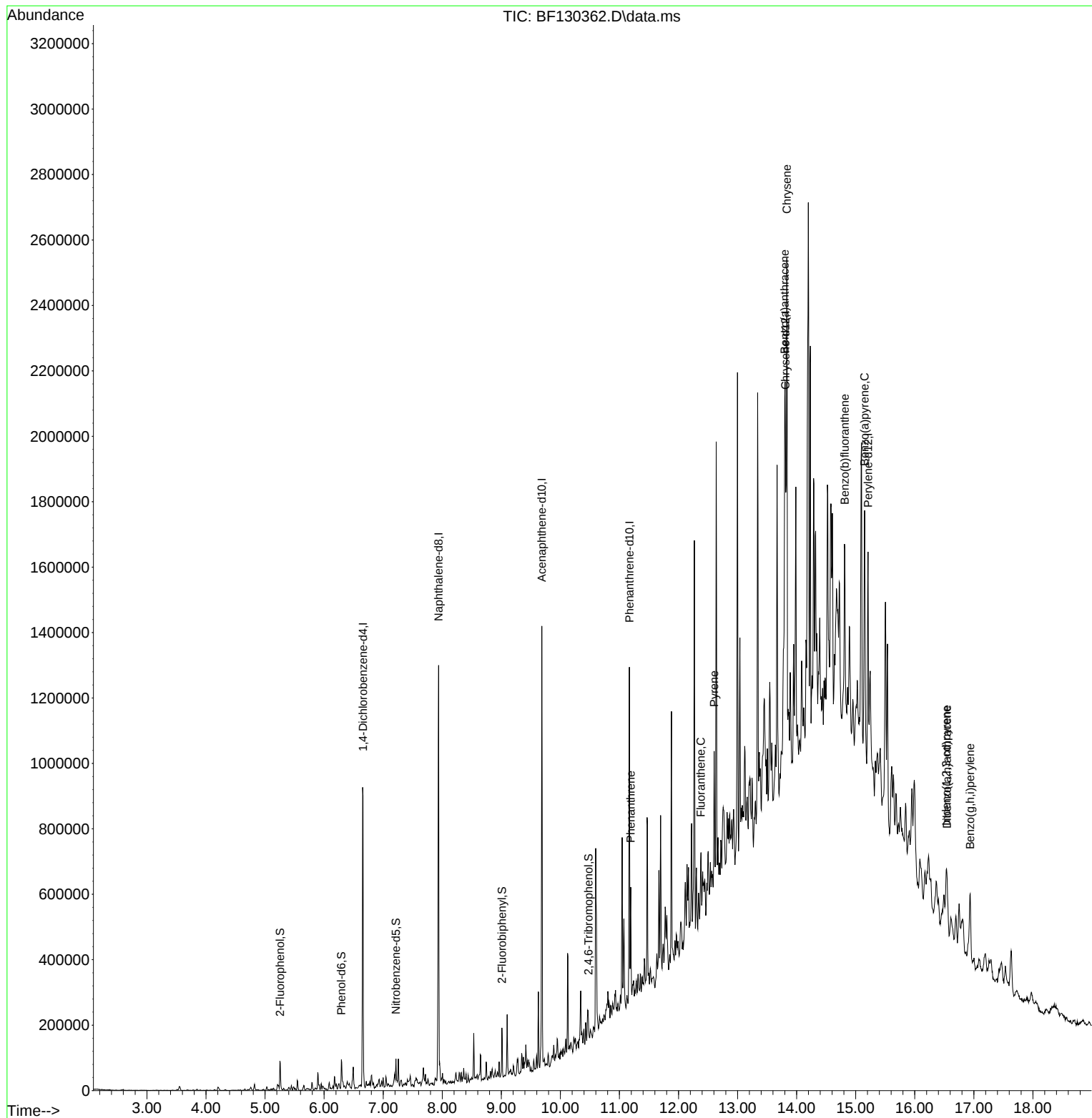
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
Data File : BF130362.D
Acq On : 21 Sep 2022 15:28
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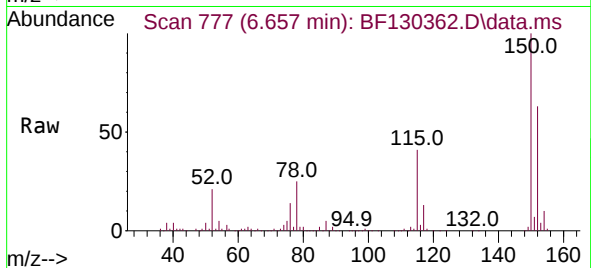
Quant Time: Sep 21 16:02:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

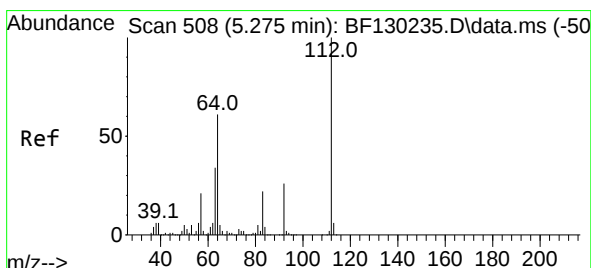
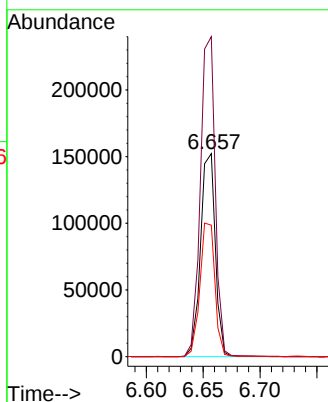
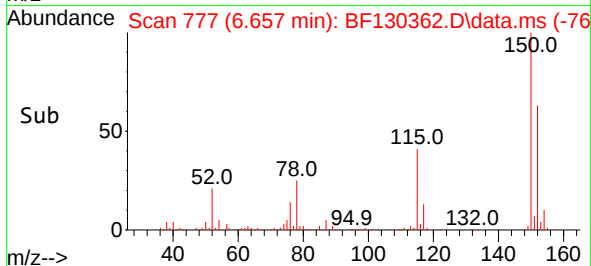
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL



Tgt Ion:152 Resp: 13838
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 64.7 53.8 80.8

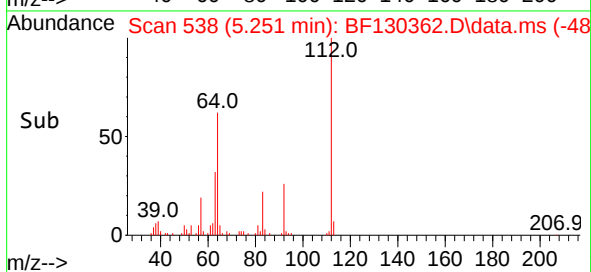
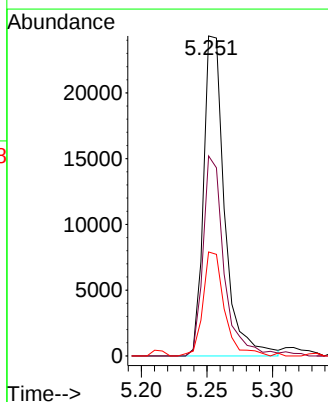
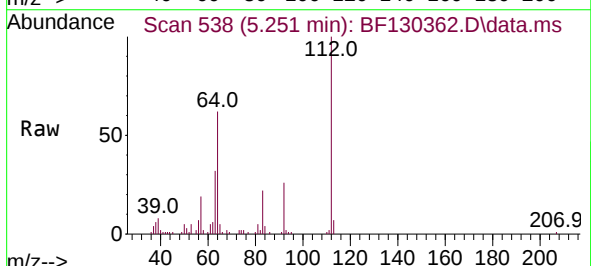
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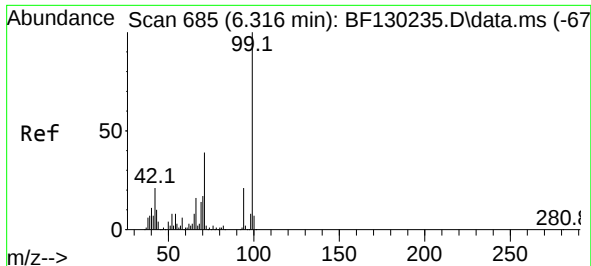
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#5
2-Fluorophenol
Concen: 3.404 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

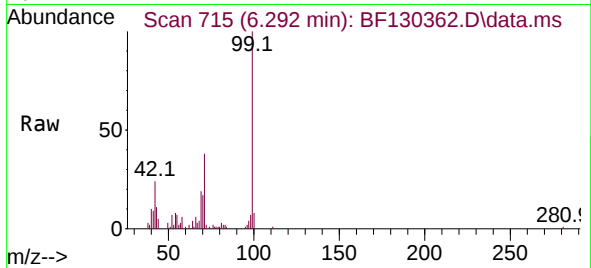
Tgt Ion:112 Resp: 27158
Ion Ratio Lower Upper
112 100
64 62.5 51.4 77.0
63 32.5 28.8 43.2





#7
Phenol-d6
Concen: 3.482 ng
RT: 6.292 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

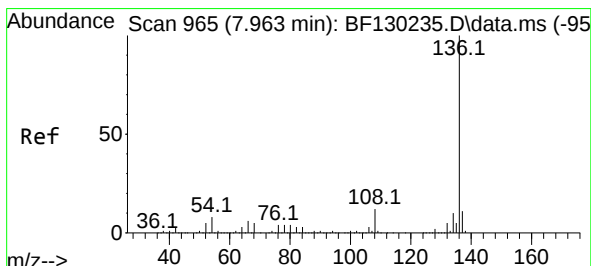
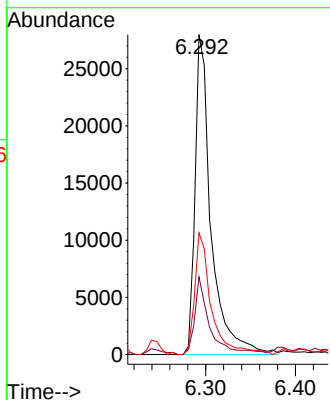
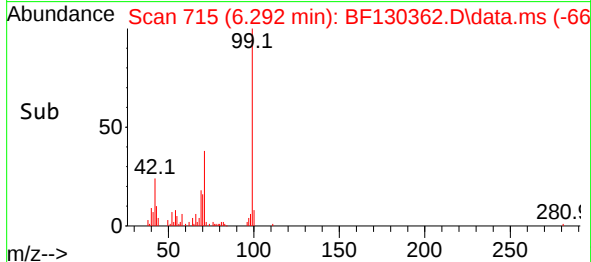
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL



Tgt Ion: 99 Resp: 34758
Ion Ratio Lower Upper
99 100
42 24.3 17.0 25.6
71 38.1 32.3 48.5

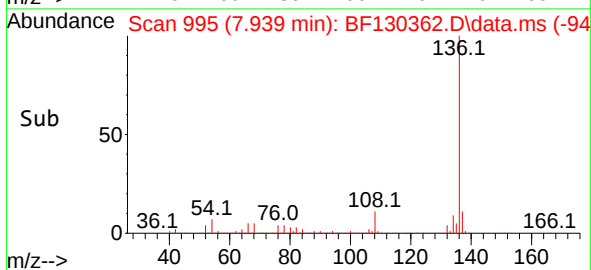
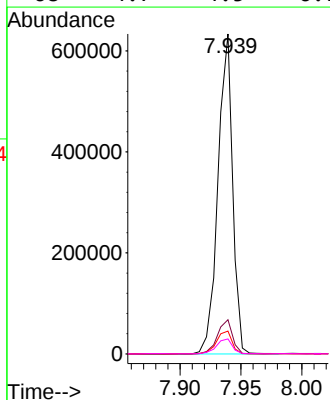
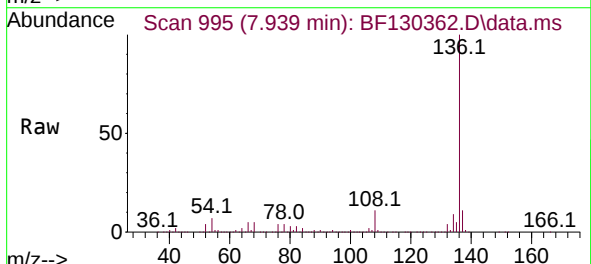
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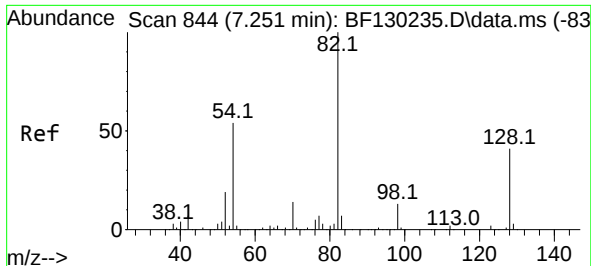
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:136 Resp: 530648
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.1 7.1 10.7
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 2.170 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

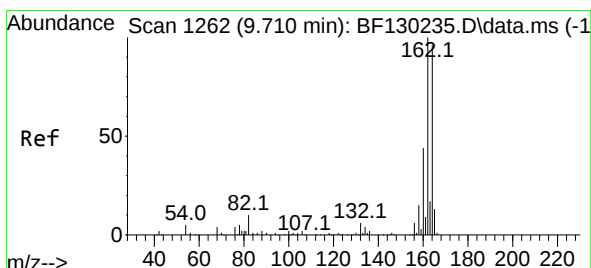
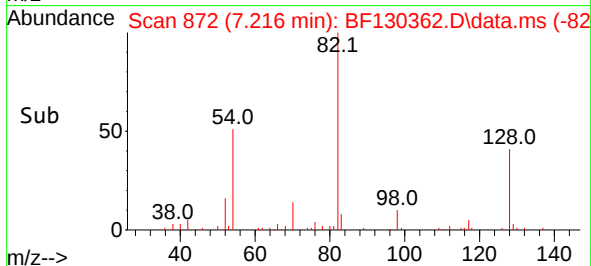
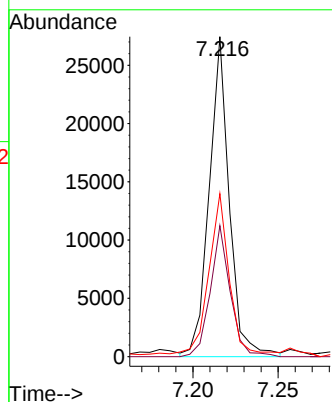
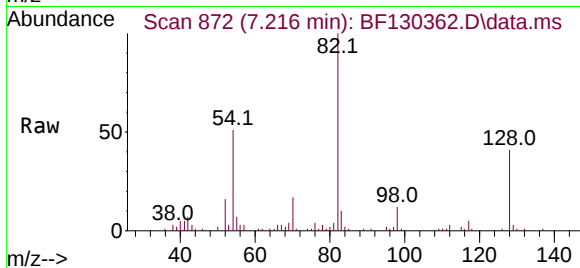
WC-17-4-1DL

Tgt Ion:	82	Resp:	22544
Ion Ratio	Lower	Upper	
82	100		
128	40.9	32.6	49.0
54	50.9	43.8	65.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/22/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

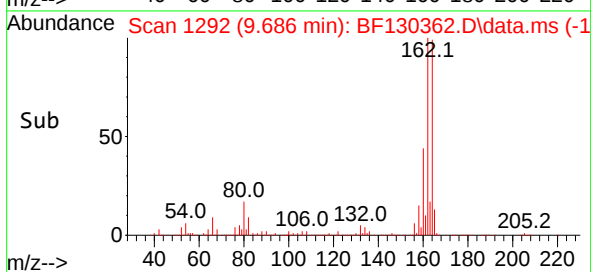
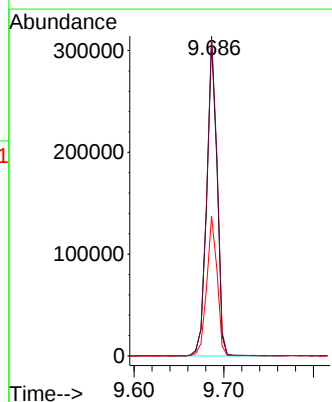
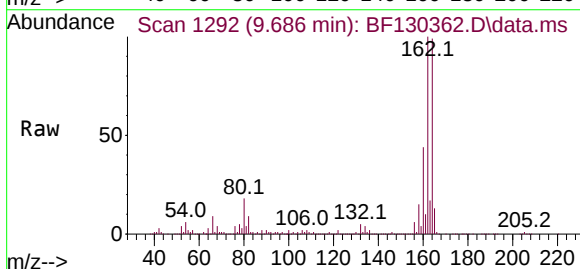
RT: 9.686 min Scan# 1292

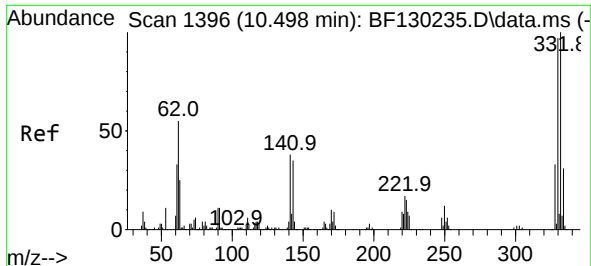
Delta R.T. -0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Tgt Ion:	164	Resp:	247306
Ion Ratio	Lower	Upper	
164	100		
162	101.3	81.4	122.0
160	44.2	36.2	54.4





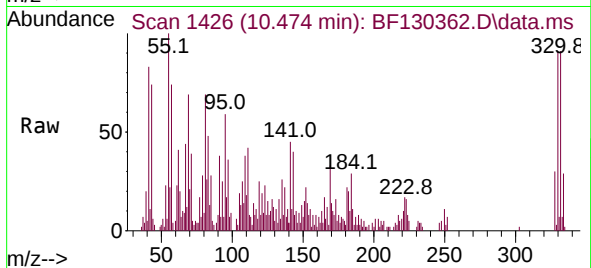
#42
2,4,6-Tribromophenol
Concen: 2.802 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

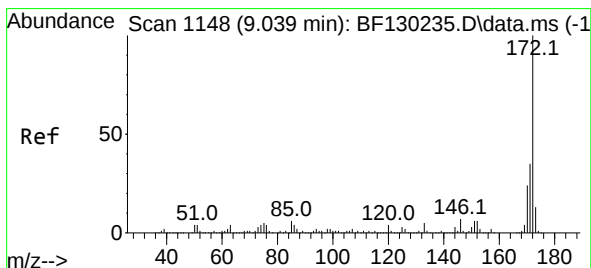
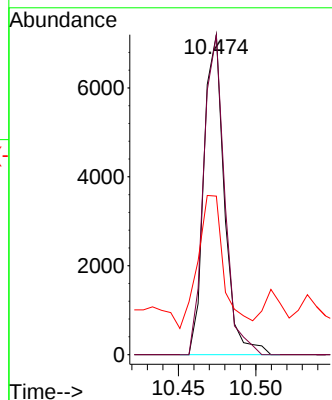
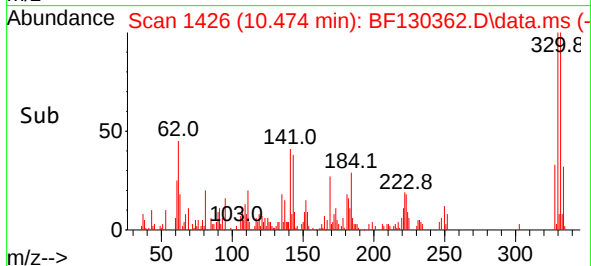


Tgt Ion: 330 Resp: 6640
Ion Ratio Lower Upper
330 100
332 102.0 83.4 125.2
141 52.0 34.0 51.0

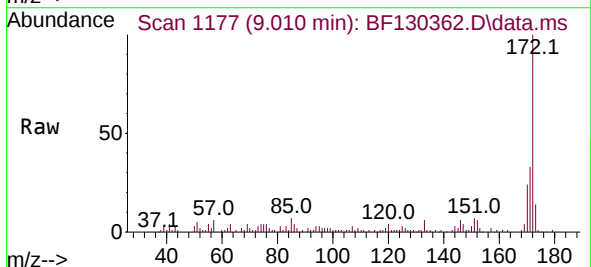
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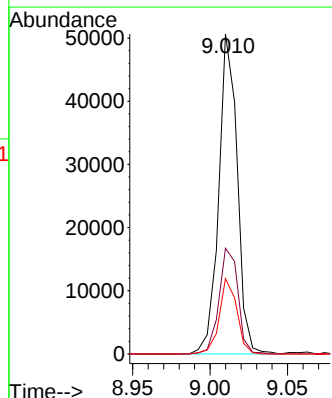
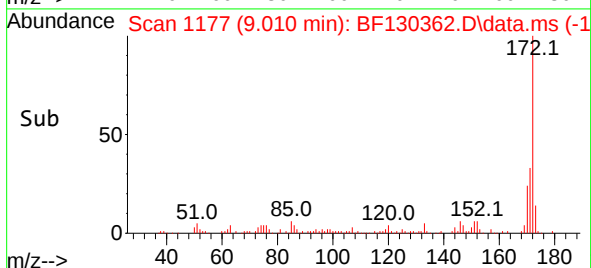
Reviewed By : Christian Giraldo 09/22/2022
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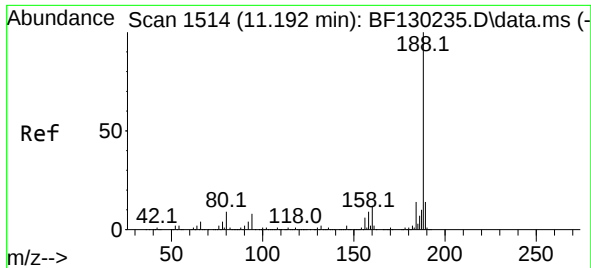


#45
2-Fluorobiphenyl
Concen: 2.484 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28



Tgt Ion: 172 Resp: 42183
Ion Ratio Lower Upper
172 100
171 33.0 28.3 42.5
170 23.5 18.7 28.1





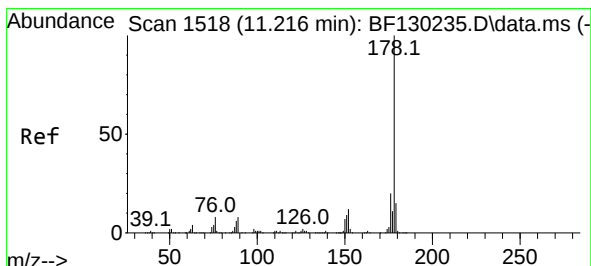
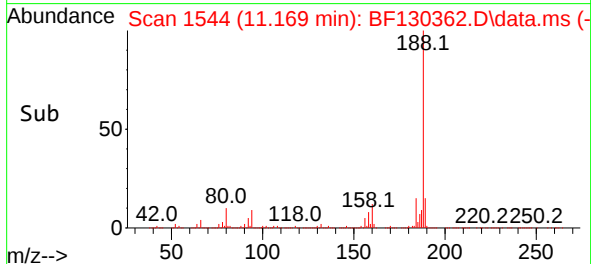
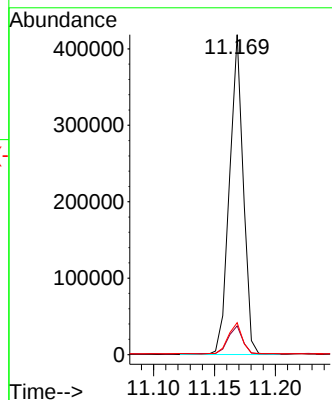
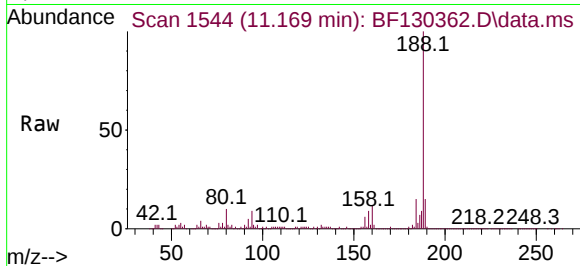
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

Tgt Ion:188 Resp: 327645
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.0 7.9 11.9

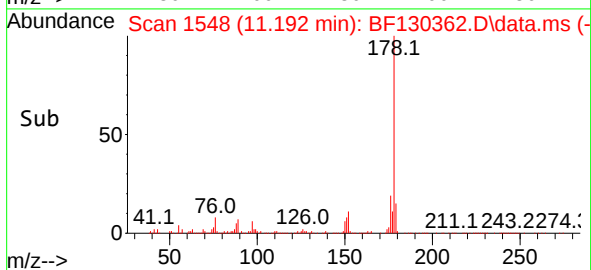
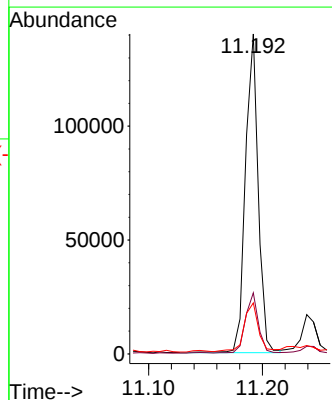
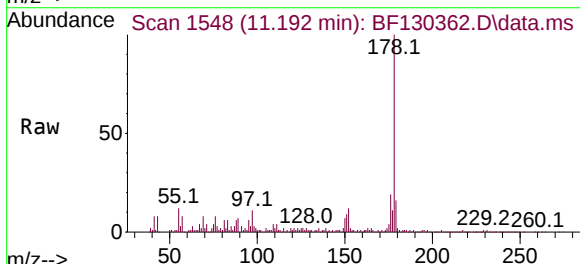
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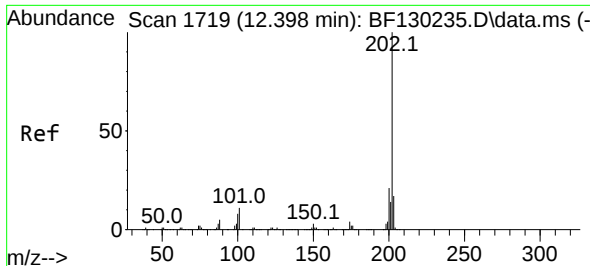
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#71
Phenanthrene
Concen: 5.930 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:178 Resp: 109082
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.9 12.4 18.6





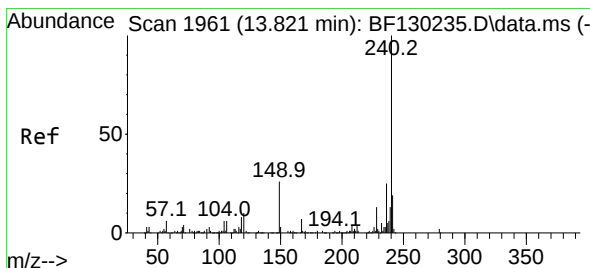
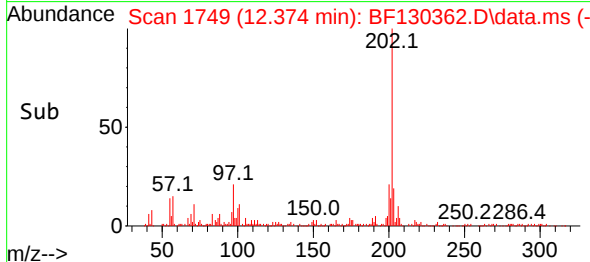
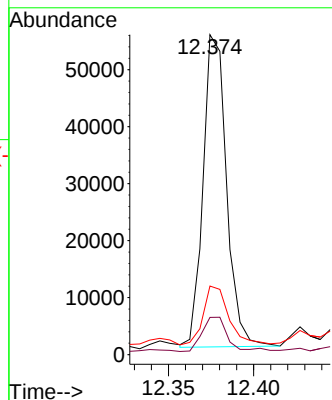
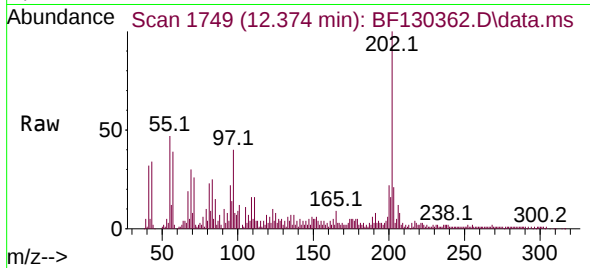
#75
Fluoranthene
Concen: 2.954 ng
RT: 12.374 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

Tgt Ion:202 Resp: 52510
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.8
203 21.4 0.0 37.8

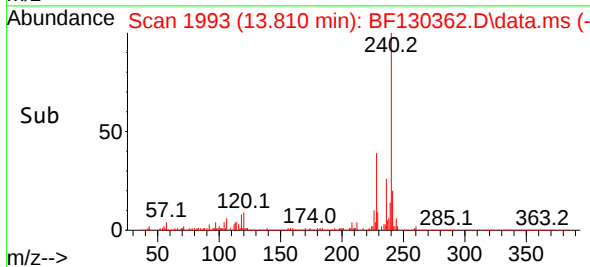
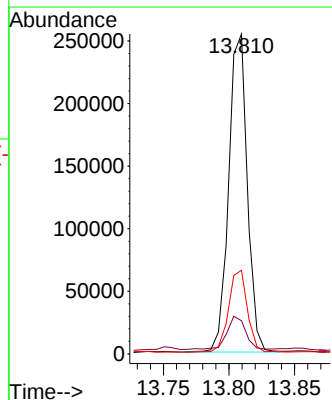
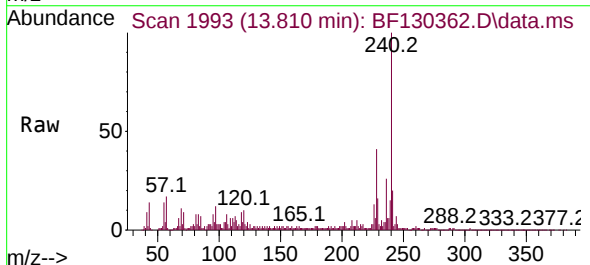
Manual Integrations
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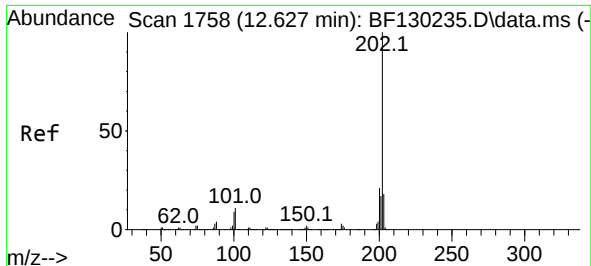
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.810 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

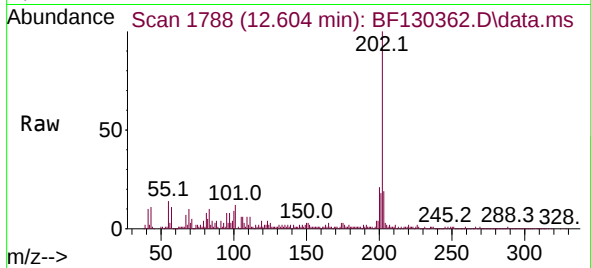
Tgt Ion:240 Resp: 252193
Ion Ratio Lower Upper
240 100
120 10.4 8.7 13.1
236 26.1 20.9 31.3





#78
Pyrene
Concen: 6.950 ng
RT: 12.604 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

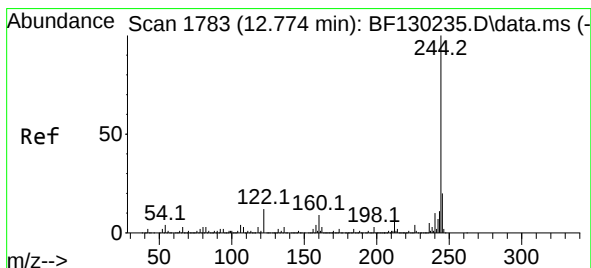
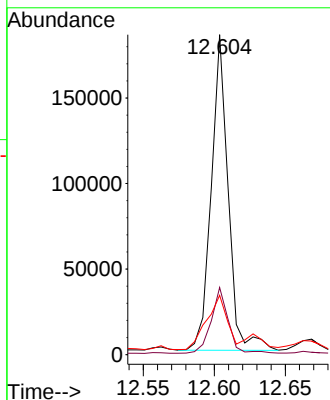
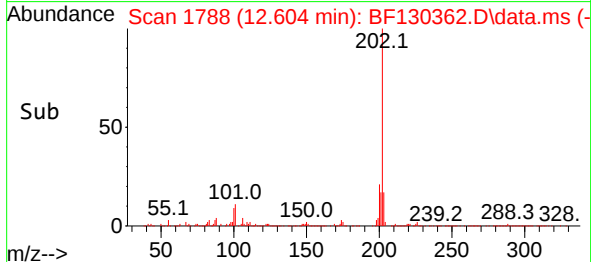
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL



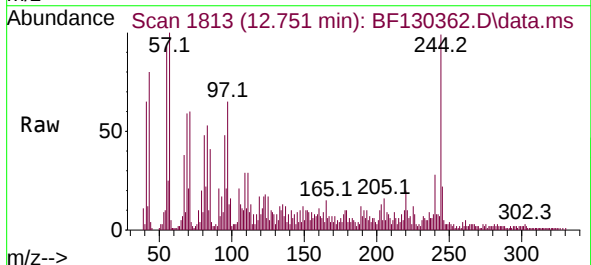
Tgt Ion:202 Resp: 153339
Ion Ratio Lower Upper
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200 21.0 17.2 25.8
203 18.6 14.3 21.5

Manual Integrations
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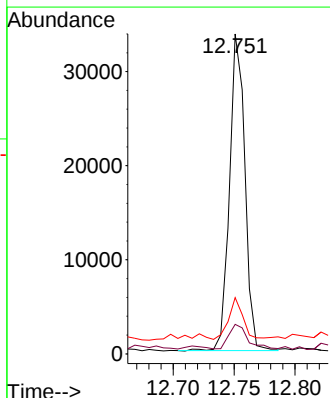
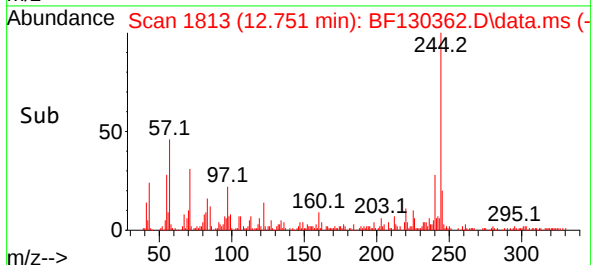
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

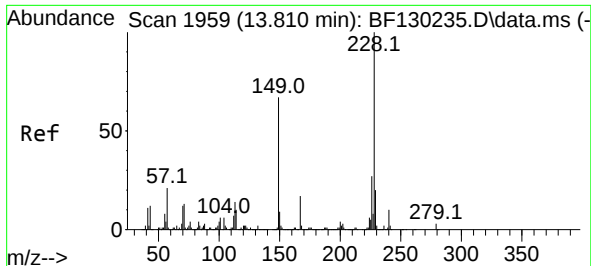


#79
Terphenyl-d14
Concen: 1.950 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28



Tgt Ion:244 Resp: 29695
Ion Ratio Lower Upper
244 100
212 9.2 5.9 8.9#
122 17.6 8.5 12.7#





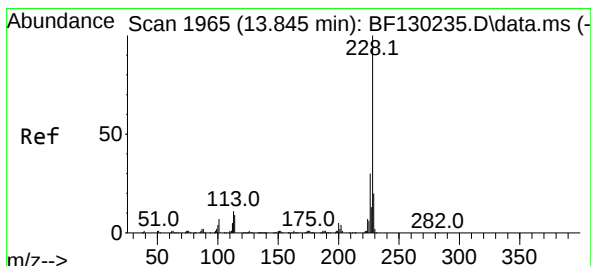
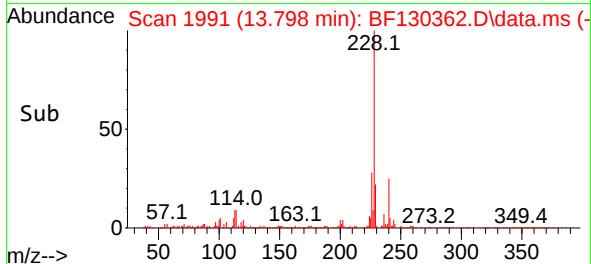
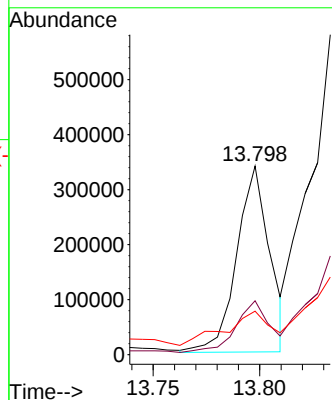
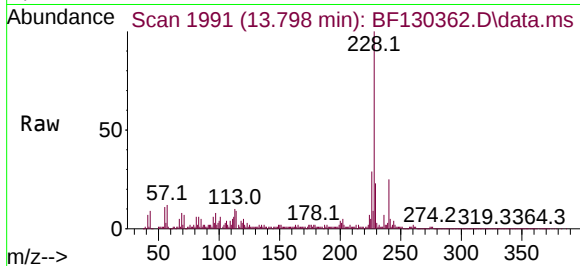
#81
Benzo(a)anthracene
Concen: 21.696 ng
RT: 13.798 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

Tgt Ion:228 Resp: 363994
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 23.0 16.1 24.1

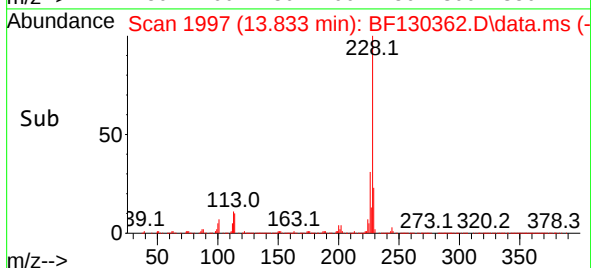
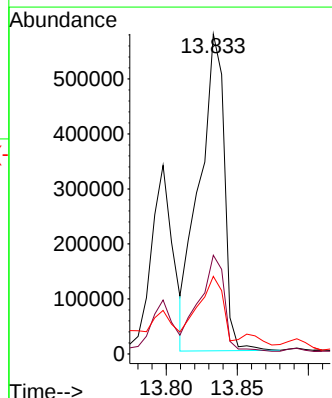
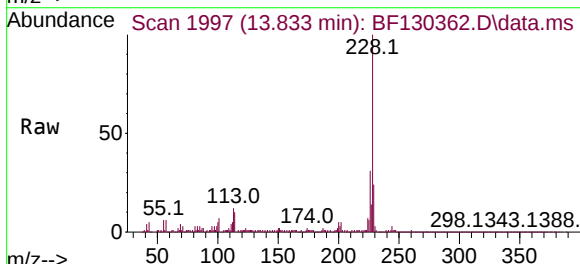
Manual Integrations
APPROVED

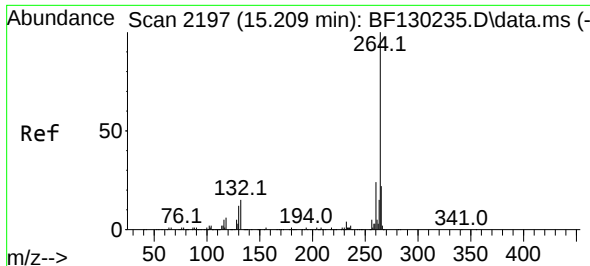
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#83
Chrysene
Concen: 44.246 ng
RT: 13.833 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

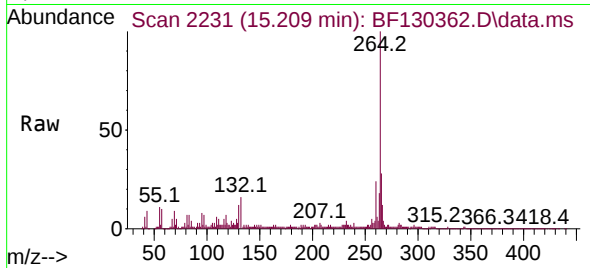
Tgt Ion:228 Resp: 704833
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 24.2 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.209 min Scan# 2197
Delta R.T. 0.023 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

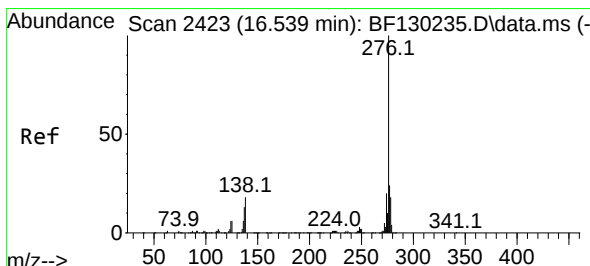
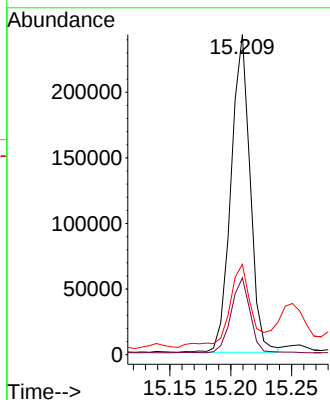
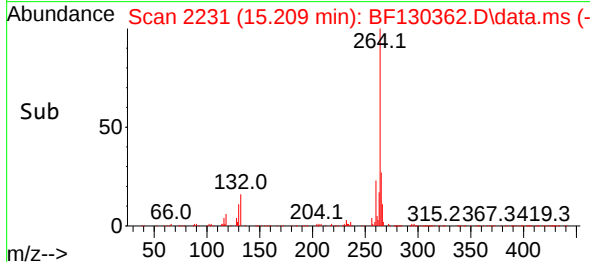
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL



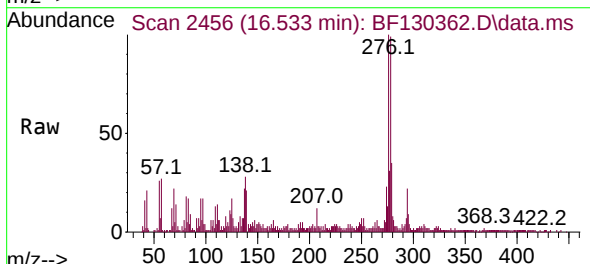
Tgt Ion:264 Resp: 264388
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 28.2 17.0 25.4

Manual Integrations
APPROVED

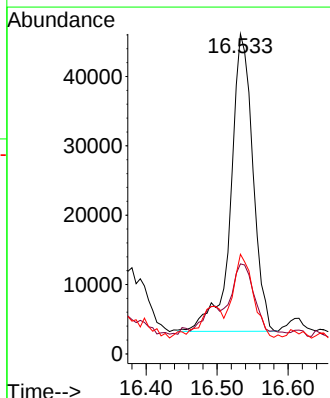
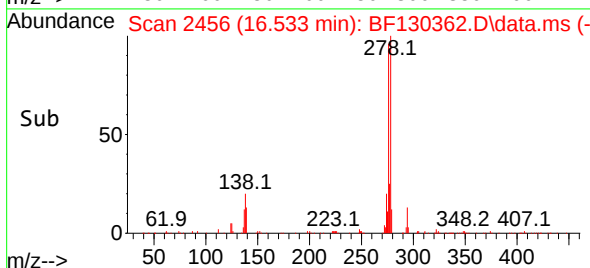
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

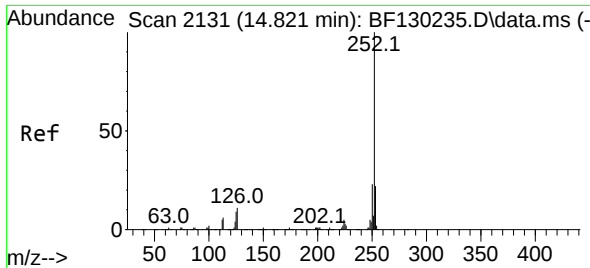


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.941 ng
RT: 16.533 min Scan# 2456
Delta R.T. 0.023 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28



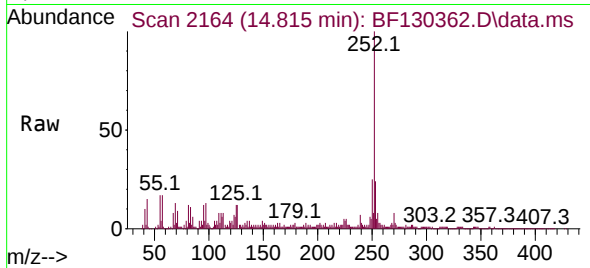
Tgt Ion:276 Resp: 92646
Ion Ratio Lower Upper
276 100
138 26.0 18.5 27.7
277 25.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 14.243 ng m
RT: 14.815 min Scan# 2131
Delta R.T. 0.018 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

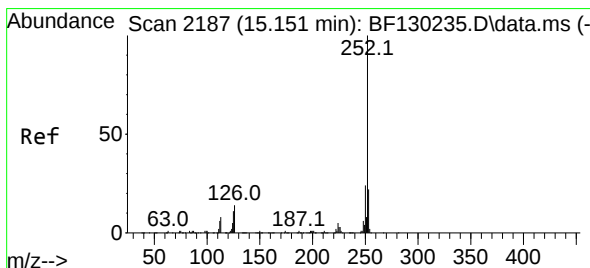
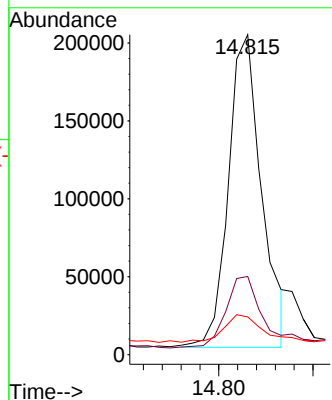
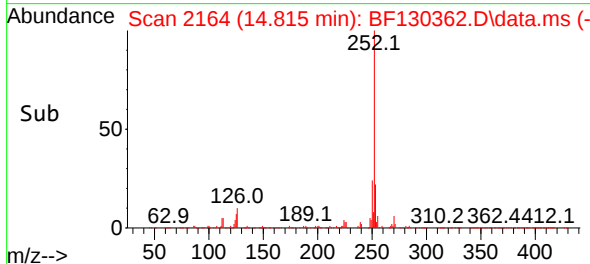
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL



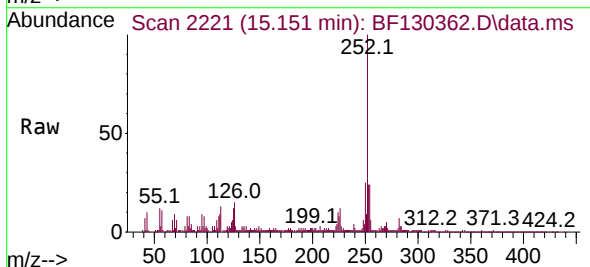
Tgt Ion:252 Resp: 245786
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 11.8 8.1 12.1

Manual Integrations
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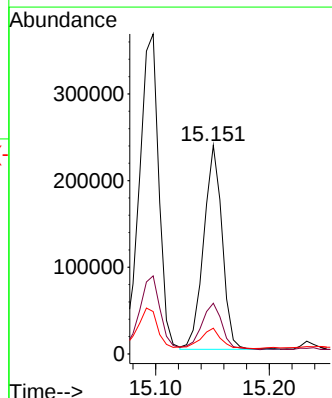
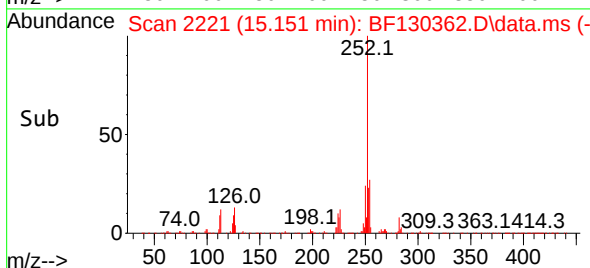
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

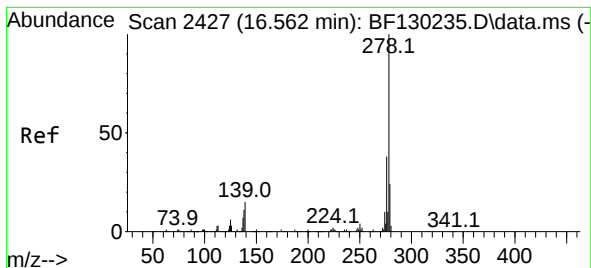


#90
Benzo(a)pyrene
Concen: 19.487 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.018 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28



Tgt Ion:252 Resp: 266411
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 12.3 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 8.071 ng

RT: 16.545 min Scan# 2427

Delta R.T. 0.018 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

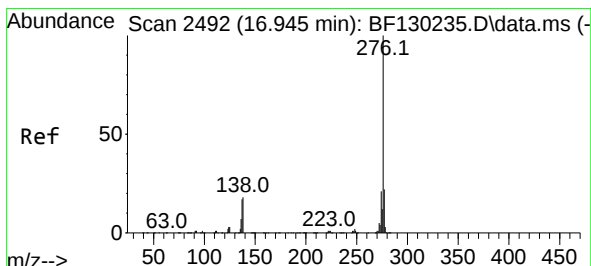
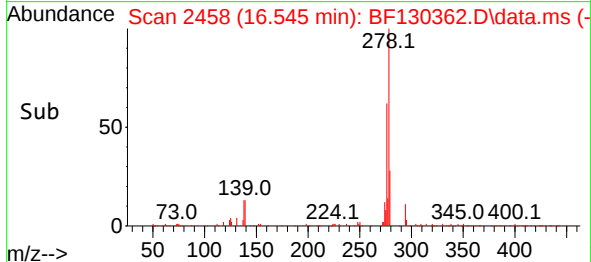
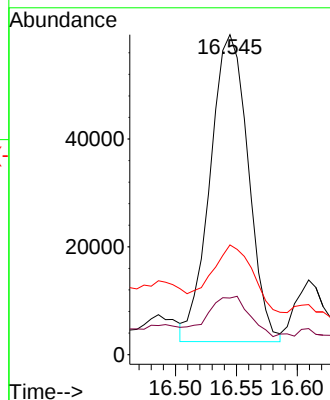
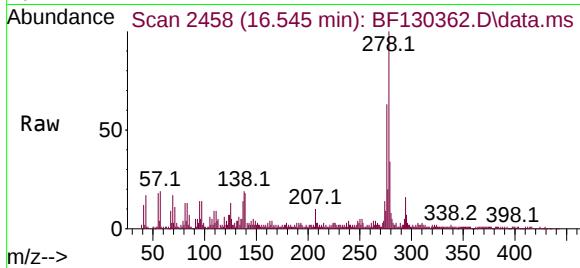
Tgt Ion:	278	Resp:	12413
Ion Ratio	Lower	Upper	
278	100		
139	17.7	11.8	17.8
279	34.3	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/22/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#92

Benzo(g,h,i)perylene

Concen: 9.747 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.029 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Tgt Ion:	276	Resp:	151011
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	27.8
138	18.8	14.6	21.8

