

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130916.D
 Acq On : 01 Nov 2022 23:45
 Operator : CG\JU
 Sample : N5337-06DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMPDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:26:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	79495	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	267005	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	127064	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	231231	20.000	ng	0.00
76) Chrysene-d12	14.127	240	138995	20.000	ng	# 0.00
86) Perylene-d12	15.651	264	106124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	81250	17.719	ng	0.00
7) Phenol-d6	6.551	99	107372	18.019	ng	0.00
23) Nitrobenzene-d5	7.492	82	62185	14.043	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	16966	15.862	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	113143	13.462	ng	0.00
79) Terphenyl-d14	13.069	244	116870	15.408	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.016	154	30249	4.265	ng	97
55) Dibenzofuran	10.186	168	25219	2.453	ng	99
58) Fluorene	10.533	166	30626	3.783	ng	98
71) Phenanthrene	11.504	178	370653	31.057	ng	100
72) Anthracene	11.557	178	110111	9.354	ng	99
73) Carbazole	11.710	167	44486	4.220	ng	99
75) Fluoranthene	12.698	202	444201	35.031	ng	99
78) Pyrene	12.927	202	366145	31.223	ng	100
81) Benzo(a)anthracene	14.121	228	139207	15.106	ng	99
83) Chrysene	14.157	228	117470	13.215	ng	96
87) Indeno(1,2,3-cd)pyrene	17.198	276	37818	5.366	ng	99
88) Benzo(b)fluoranthene	15.198	252	105050m	15.313	ng	
89) Benzo(k)fluoranthene	15.227	252	36267m	5.425	ng	
90) Benzo(a)pyrene	15.586	252	76320	13.839	ng	# 95
92) Benzo(g,h,i)perylene	17.668	276	35807	6.109	ng	95

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

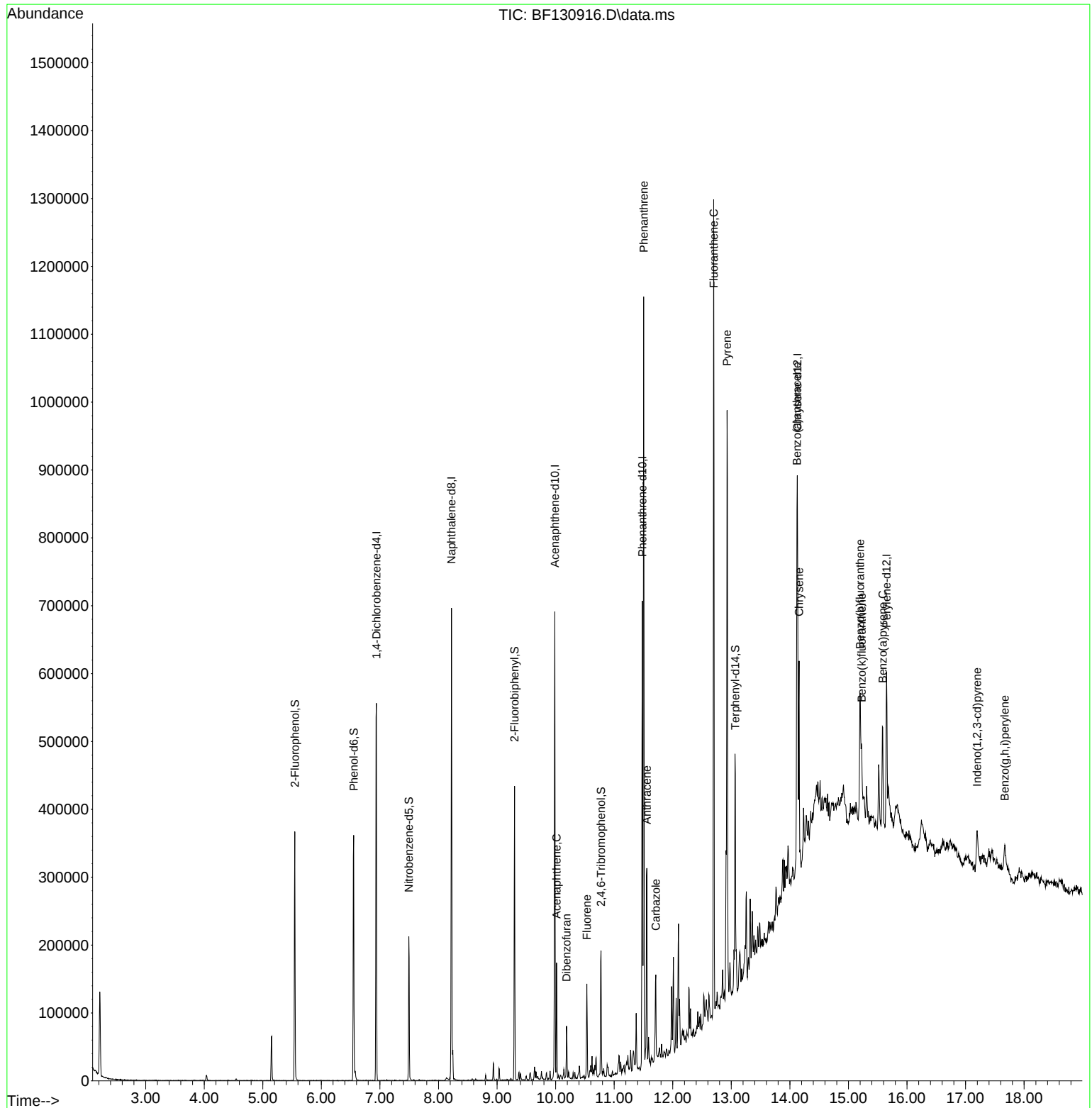
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130916.D
Acq On : 01 Nov 2022 23:45
Operator : CG\JU
Sample : N5337-06DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022

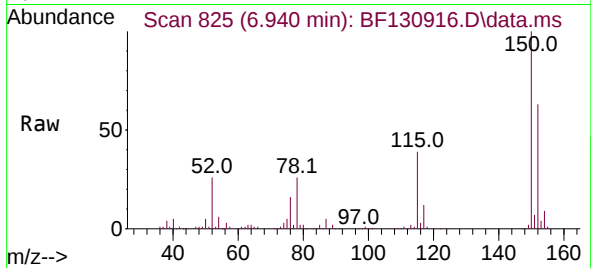
Quant Time: Nov 02 08:26:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 08:18:35 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

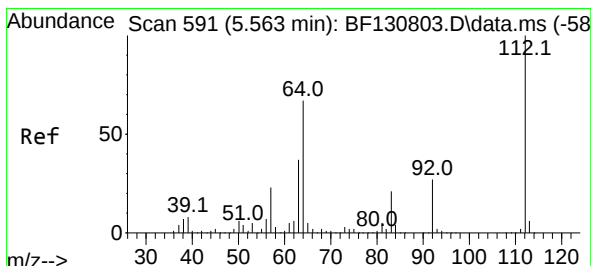
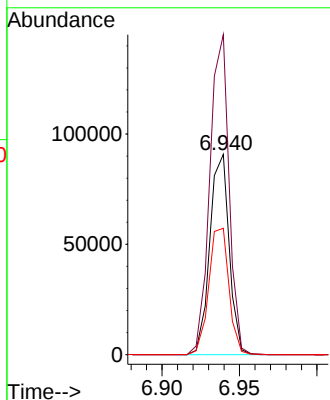
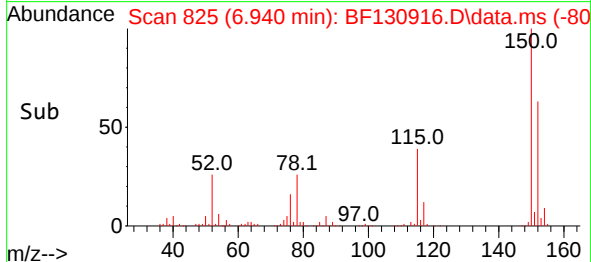
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



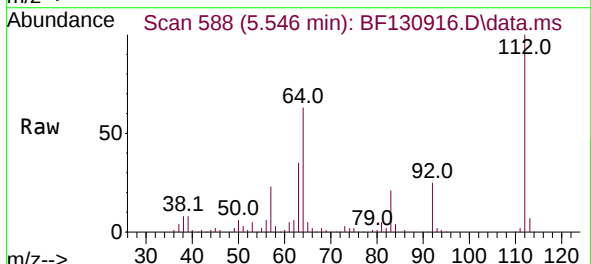
Tgt Ion:152 Resp: 79495
Ion Ratio Lower Upper
152 100
150 159.7 124.1 186.1
115 63.0 50.1 75.1

Manual Integrations
APPROVED

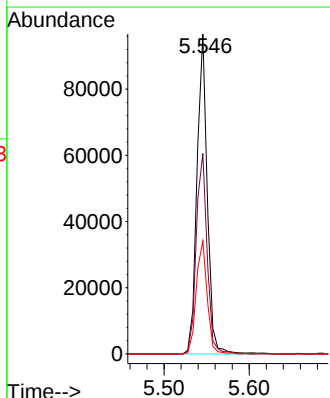
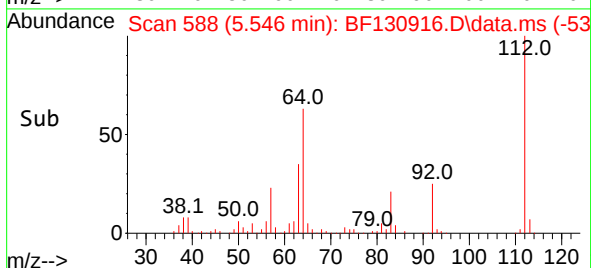
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#5
2-Fluorophenol
Concen: 17.719 ng
RT: 5.546 min Scan# 588
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45



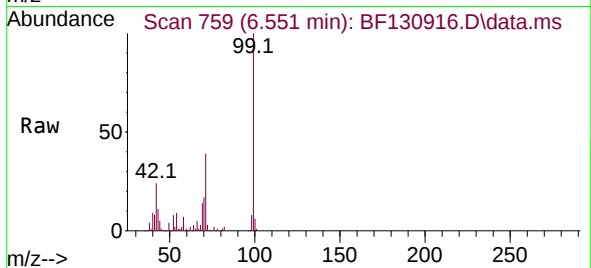
Tgt Ion:112 Resp: 81250
Ion Ratio Lower Upper
112 100
64 62.6 53.9 80.9
63 35.3 29.4 44.2





#7
Phenol-d6
Concen: 18.019 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

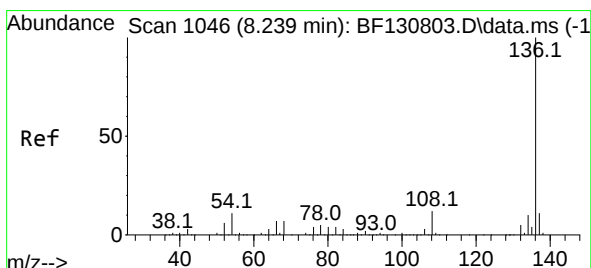
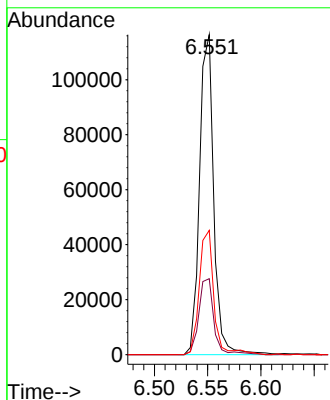
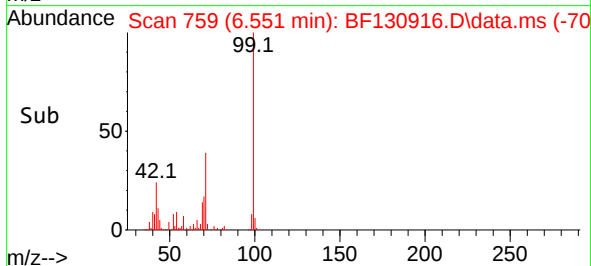
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



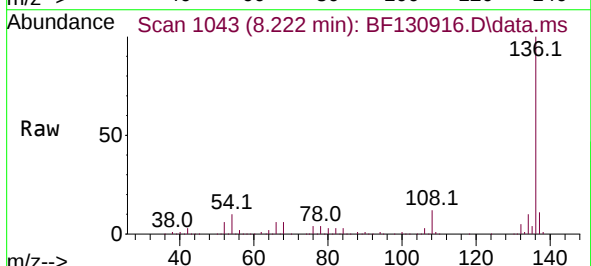
Tgt Ion: 99 Resp: 107372
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 38.8 31.4 47.0

Manual Integrations
APPROVED

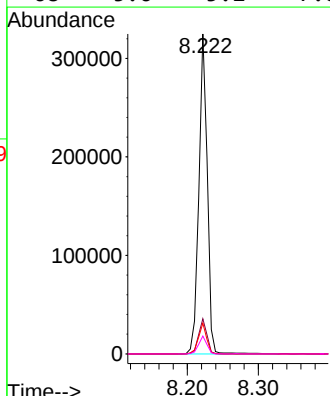
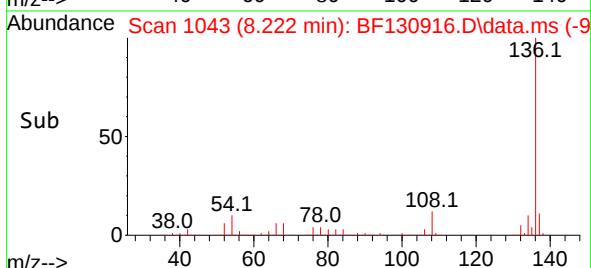
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45



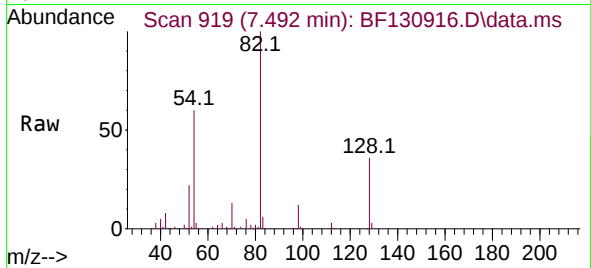
Tgt Ion:136 Resp: 267005
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.6 8.8 13.2
68 5.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 14.043 ng
RT: 7.492 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

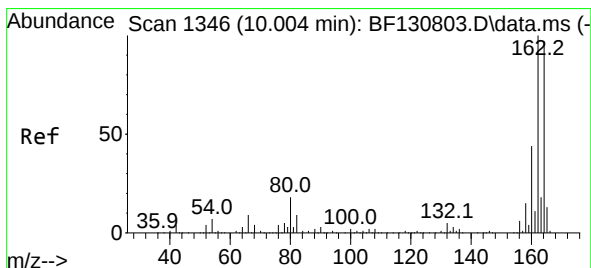
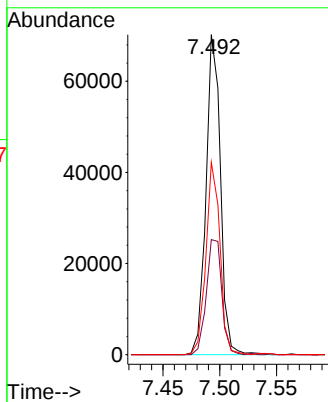
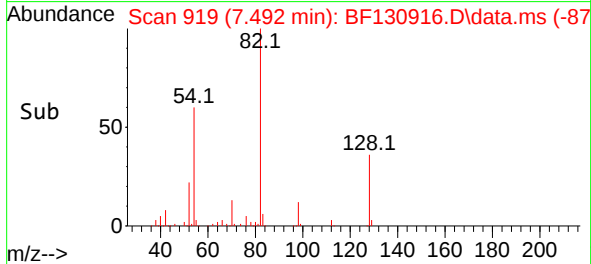
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



Tgt Ion: 82 Resp: 62185
Ion Ratio Lower Upper
82 100
128 35.9 31.2 46.8
54 60.1 48.0 72.0

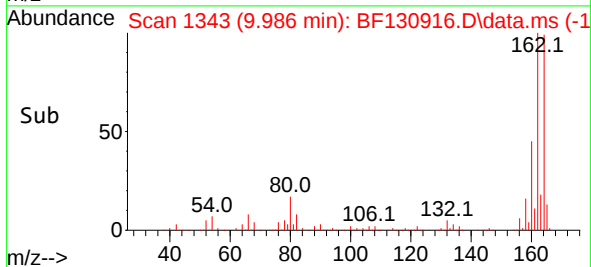
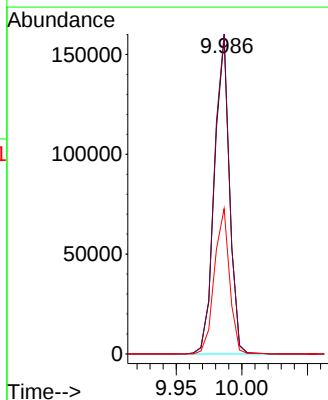
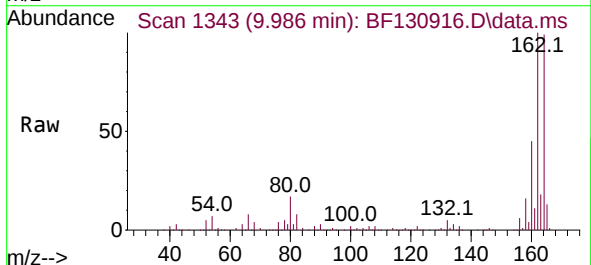
Manual Integrations
APPROVED

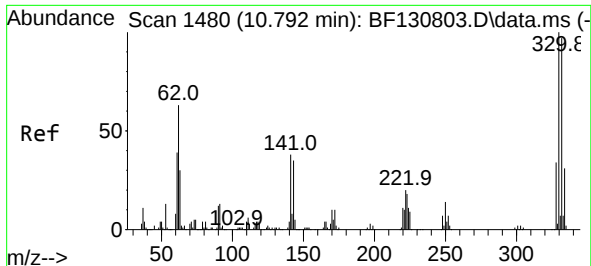
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

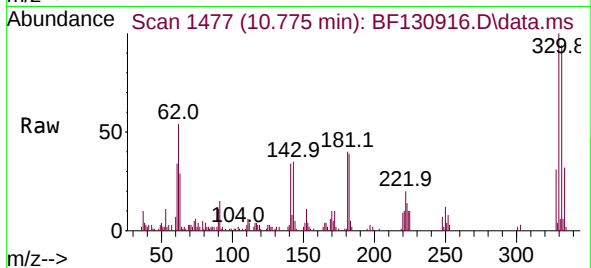
Tgt Ion:164 Resp: 127064
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 15.862 ng
RT: 10.775 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

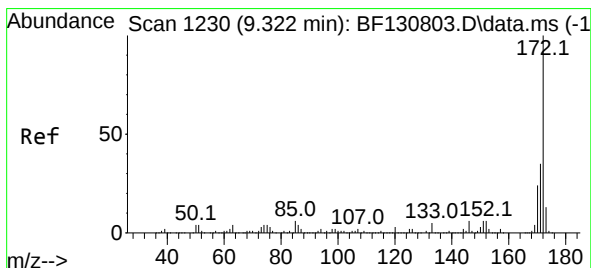
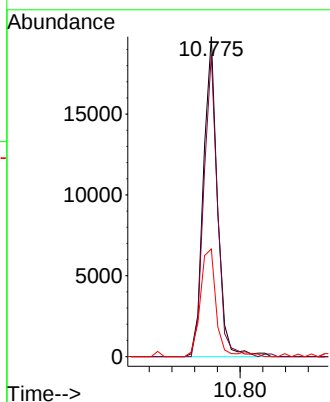
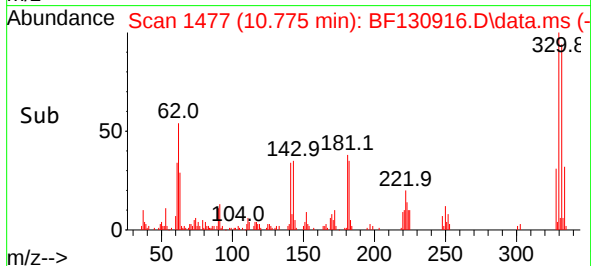
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



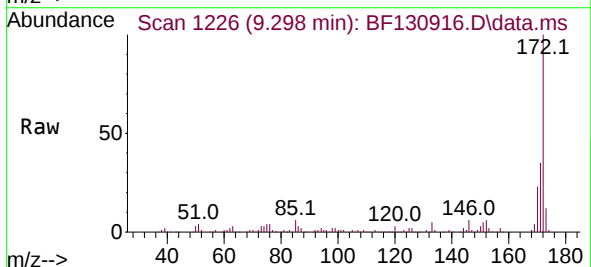
Tgt Ion: 330 Resp: 16960
Ion Ratio Lower Upper
330 100
332 91.9 76.2 114.4
141 37.1 31.4 47.0

Manual Integrations
APPROVED

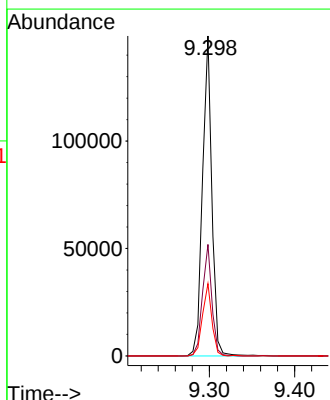
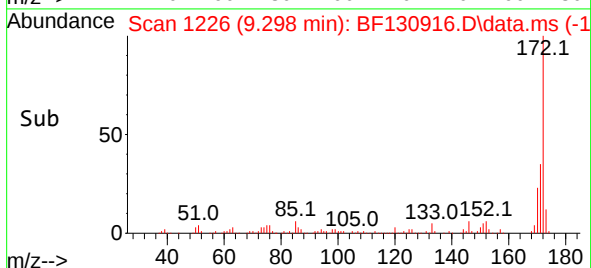
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022

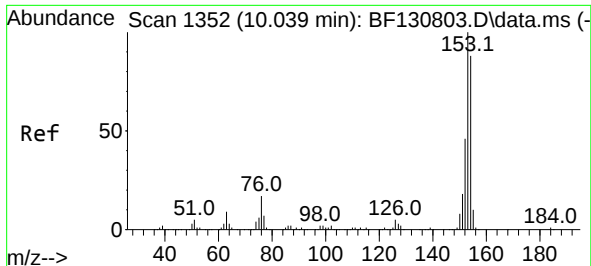


#45
2-Fluorobiphenyl
Concen: 13.462 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45



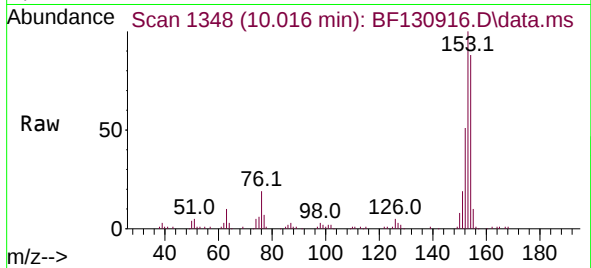
Tgt Ion: 172 Resp: 113143
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.6 19.0 28.4





#52
Acenaphthene
Concen: 4.265 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

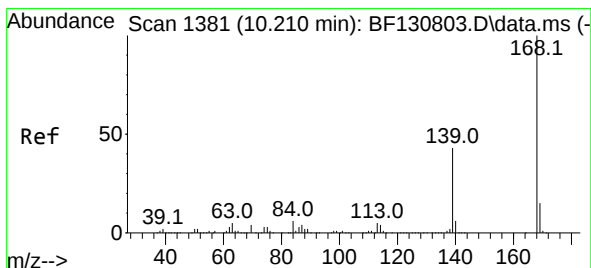
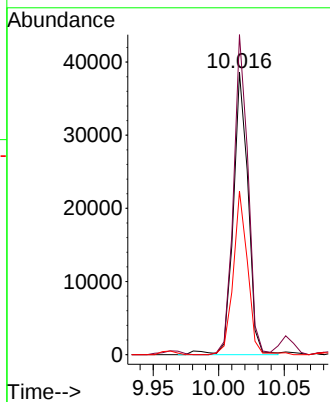
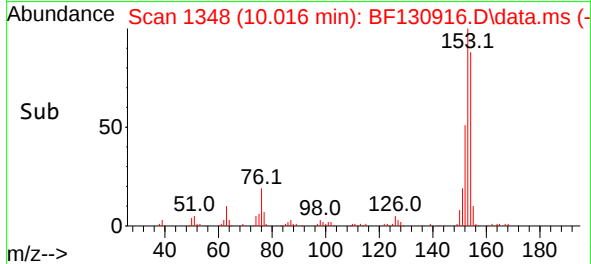
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



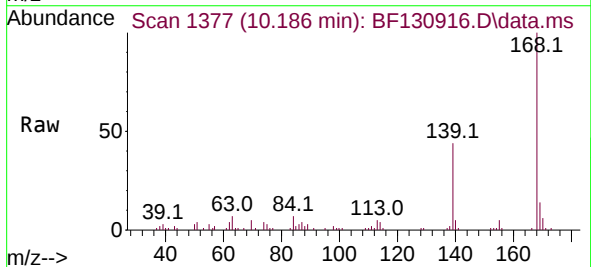
Tgt Ion:154 Resp: 30249
Ion Ratio Lower Upper
154 100
153 113.4 90.5 135.7
152 57.9 42.0 63.0

Manual Integrations
APPROVED

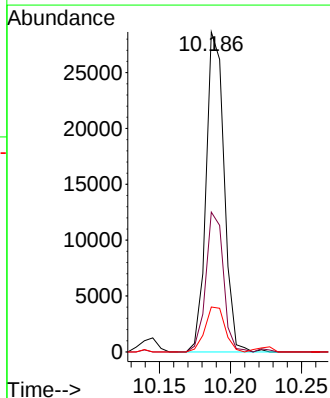
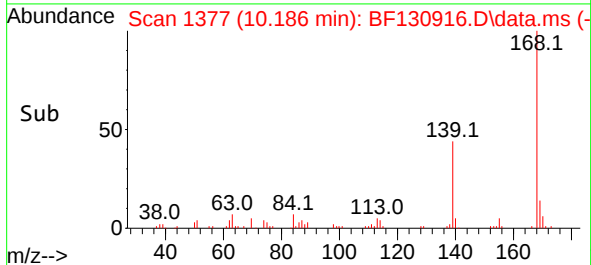
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

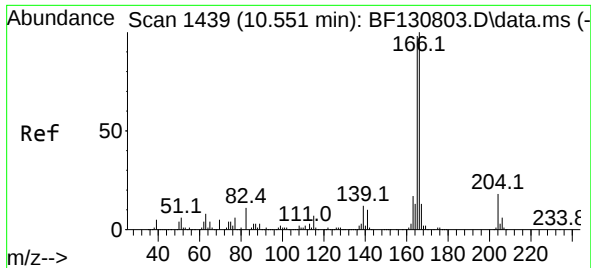


#55
Dibenzofuran
Concen: 2.453 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45



Tgt Ion:168 Resp: 25219
Ion Ratio Lower Upper
168 100
139 43.7 34.3 51.5
169 14.0 11.9 17.9





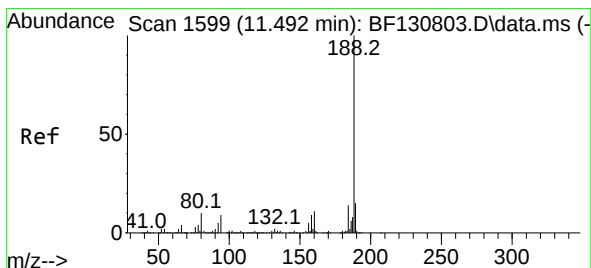
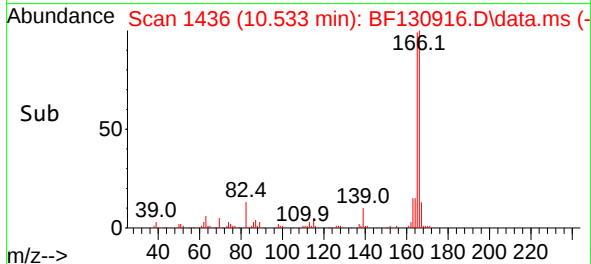
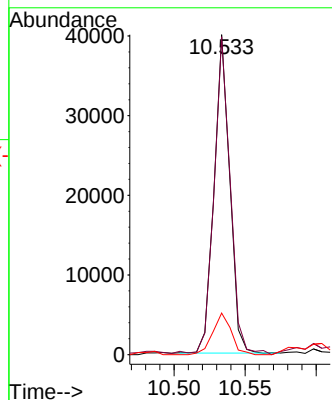
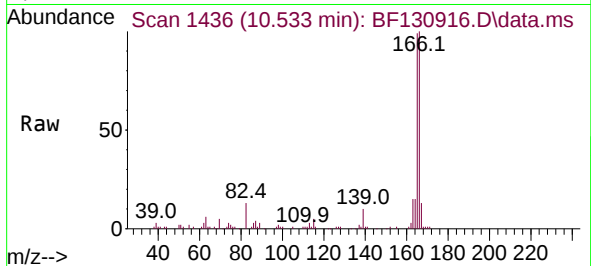
#58
Fluorene
Concen: 3.783 ng
RT: 10.533 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL

Tgt Ion:166 Resp: 30620
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 13.0 10.4 15.6

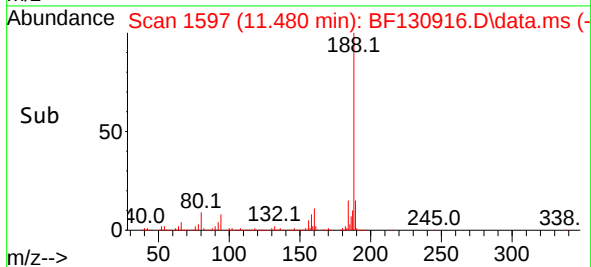
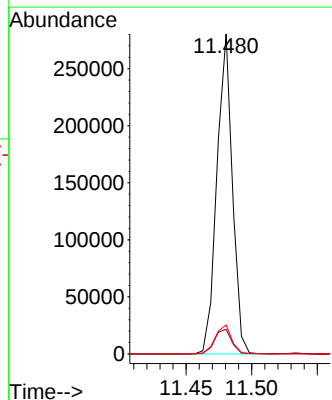
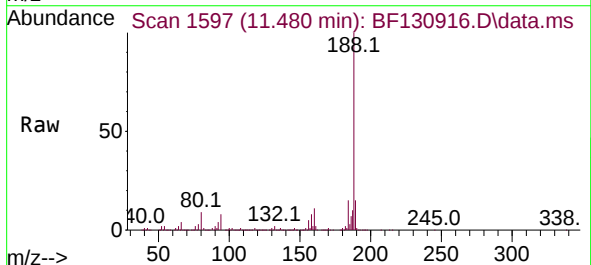
Manual Integrations
APPROVED

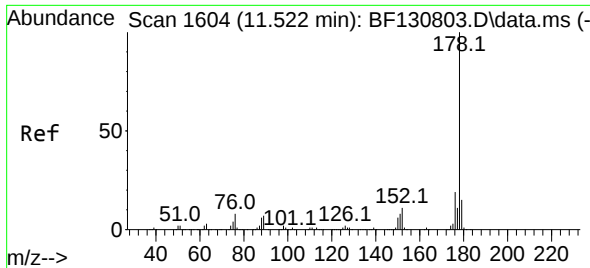
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

Tgt Ion:188 Resp: 231231
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 9.0 8.0 12.0





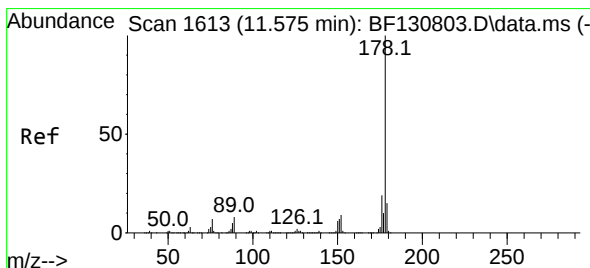
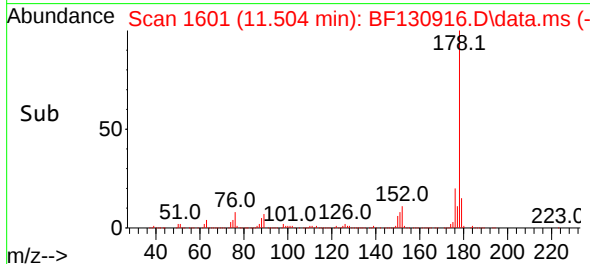
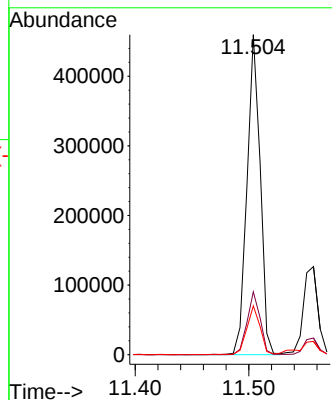
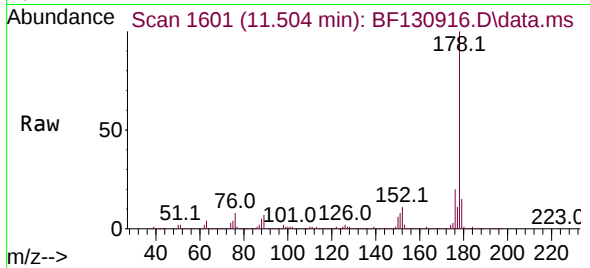
#71
Phenanthrene
Concen: 31.057 ng
RT: 11.504 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL

Tgt Ion:178 Resp: 370653
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.3 12.2 18.2

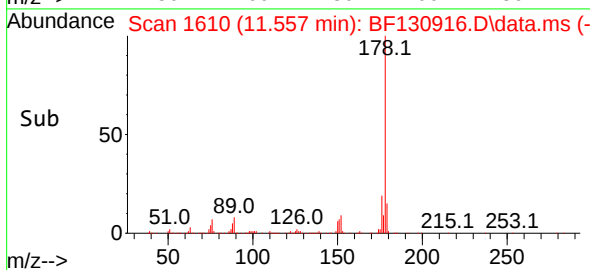
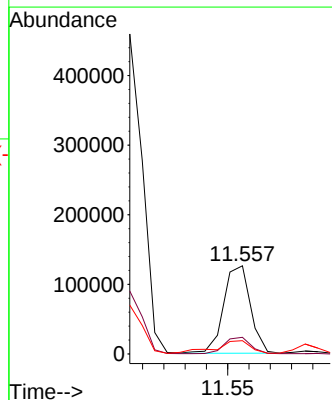
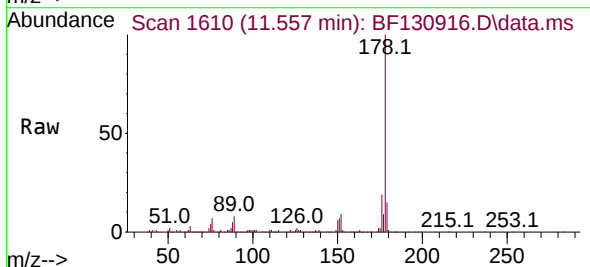
Manual Integrations
APPROVED

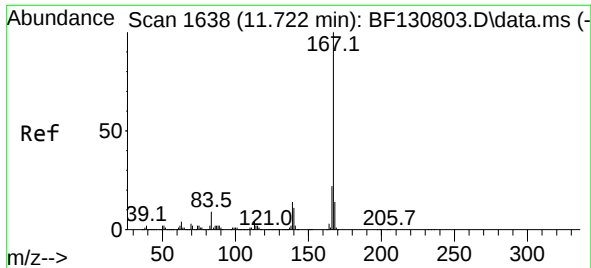
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#72
Anthracene
Concen: 9.354 ng
RT: 11.557 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

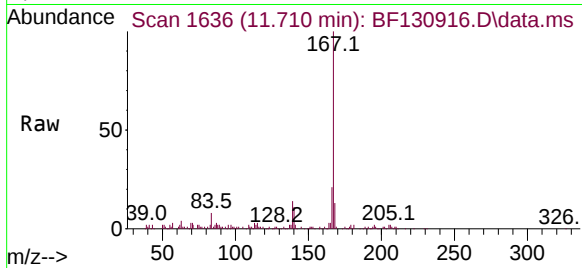
Tgt Ion:178 Resp: 110111
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.0 12.2 18.4





#73
 Carbazole
 Concen: 4.220 ng
 RT: 11.710 min Scan# 1638
 Delta R.T. 0.000 min
 Lab File: BF130916.D
 Acq: 01 Nov 2022 23:45

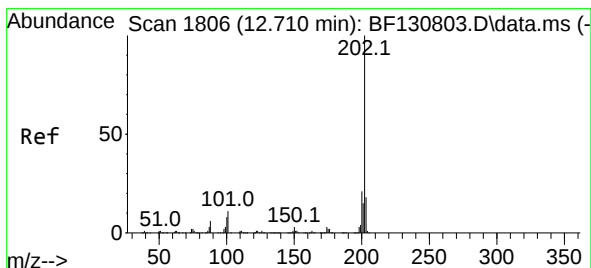
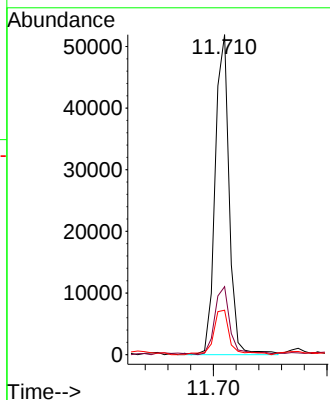
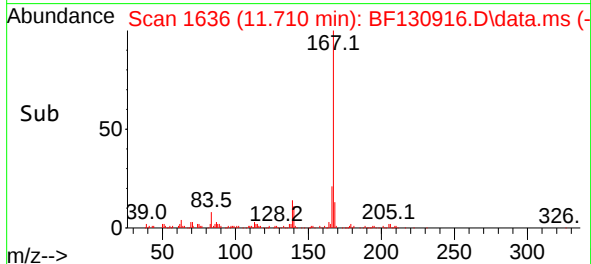
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMPDL



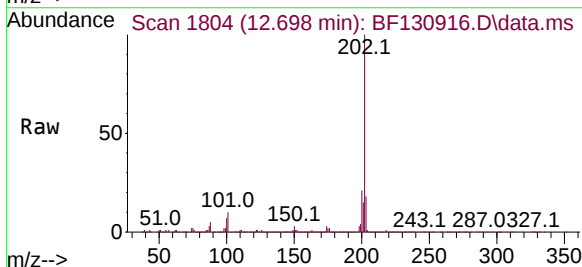
Tgt Ion:167 Resp: 44486
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 13.9 11.3 16.9

Manual Integrations
 APPROVED

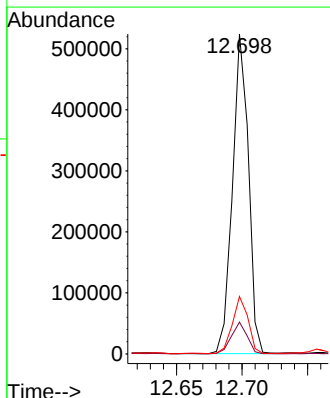
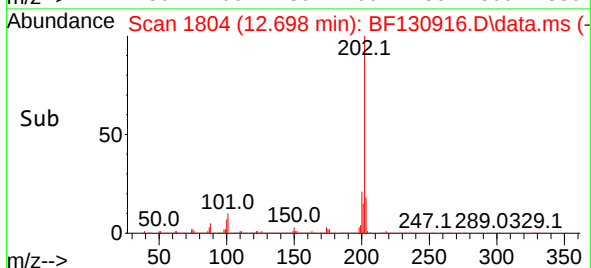
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022

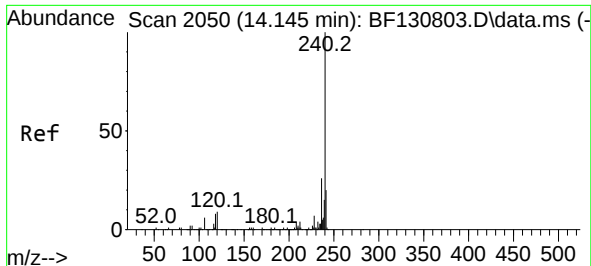


#75
 Fluoranthene
 Concen: 35.031 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. 0.000 min
 Lab File: BF130916.D
 Acq: 01 Nov 2022 23:45



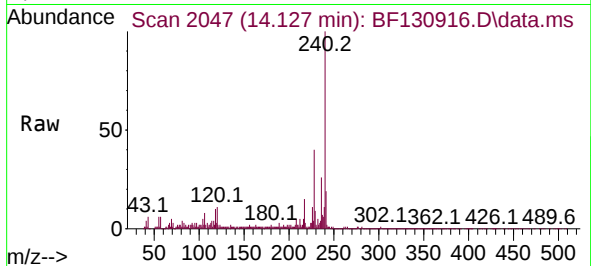
Tgt Ion:202 Resp: 444201
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.9
 203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

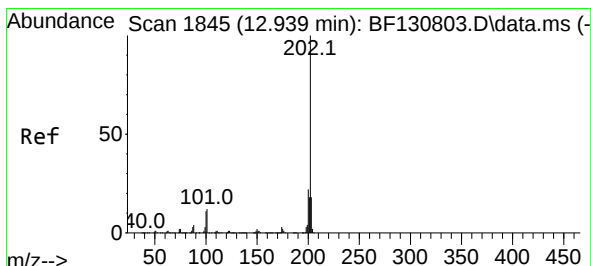
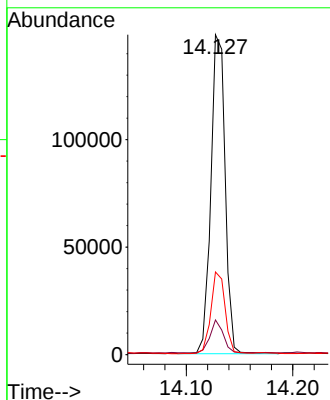
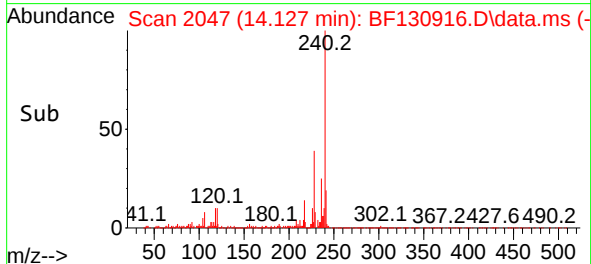
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



Tgt Ion:240 Resp: 138995
Ion Ratio Lower Upper
240 100
120 10.8 7.0 10.4
236 25.8 20.5 30.7

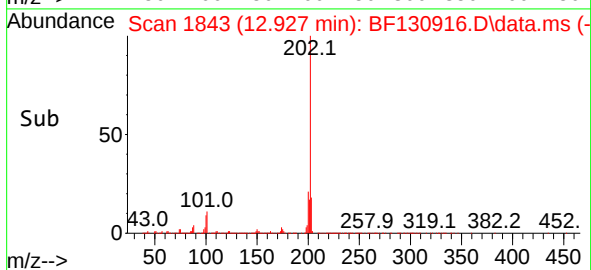
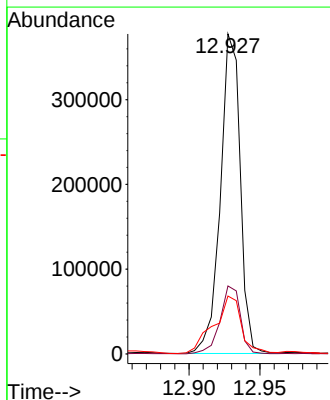
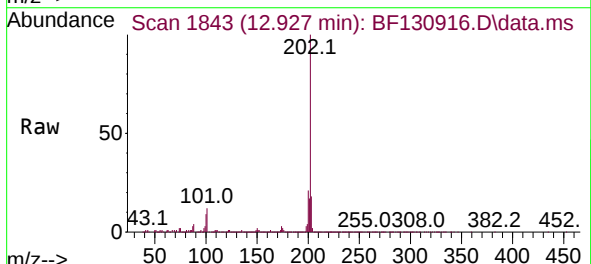
Manual Integrations
APPROVED

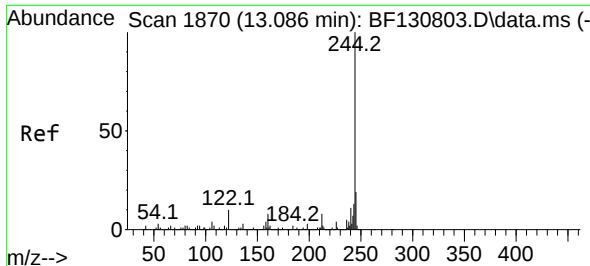
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#78
Pyrene
Concen: 31.223 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

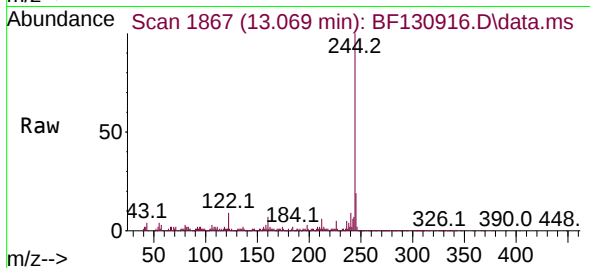
Tgt Ion:202 Resp: 366145
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.1 14.5 21.7





#79
 Terphenyl-d14
 Concen: 15.408 ng
 RT: 13.069 min Scan# 1870
 Delta R.T. 0.000 min
 Lab File: BF130916.D
 Acq: 01 Nov 2022 23:45

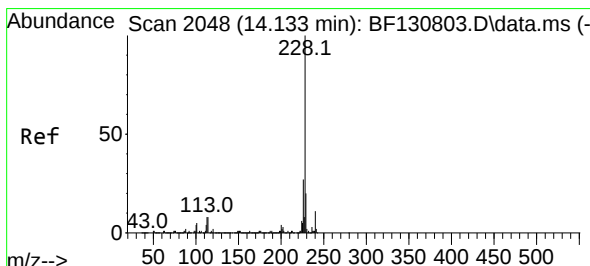
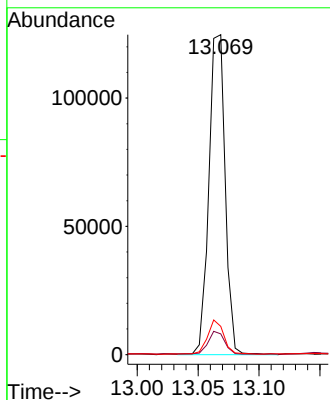
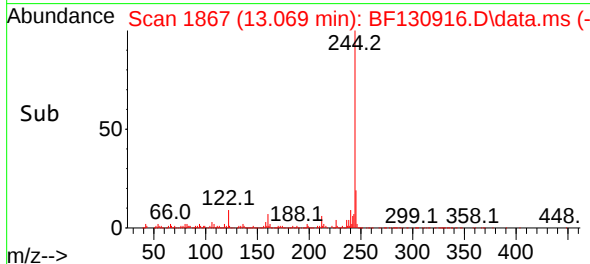
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMPDL



Tgt Ion:244 Resp: 116870
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.2 9.2
 122 8.8 7.9 11.9

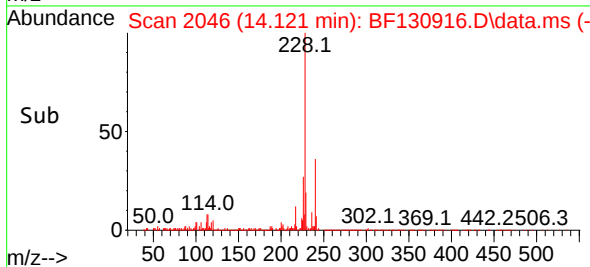
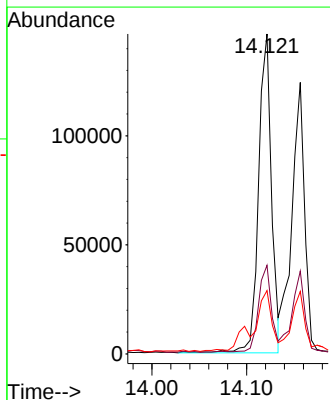
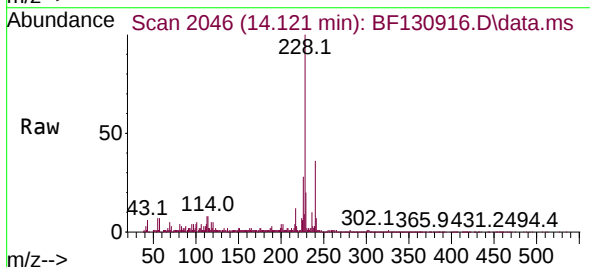
Manual Integrations
 APPROVED

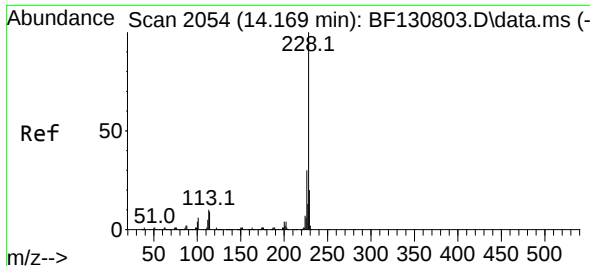
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022



#81
 Benzo(a)anthracene
 Concen: 15.106 ng
 RT: 14.121 min Scan# 2046
 Delta R.T. 0.006 min
 Lab File: BF130916.D
 Acq: 01 Nov 2022 23:45

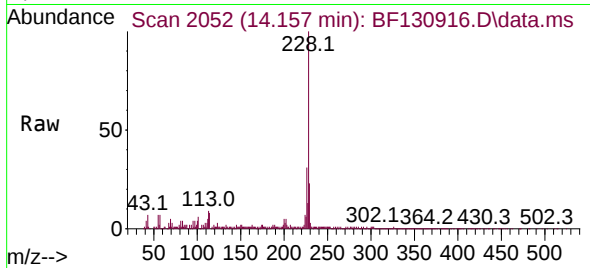
Tgt Ion:228 Resp: 139207
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 19.8 15.8 23.6





#83
Chrysene
Concen: 13.215 ng
RT: 14.157 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

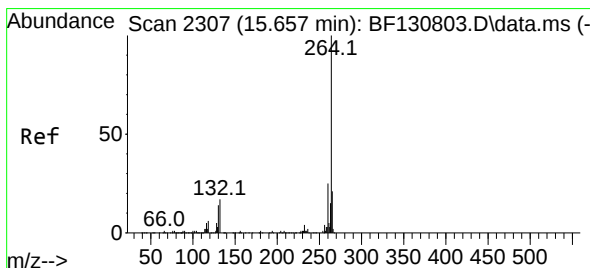
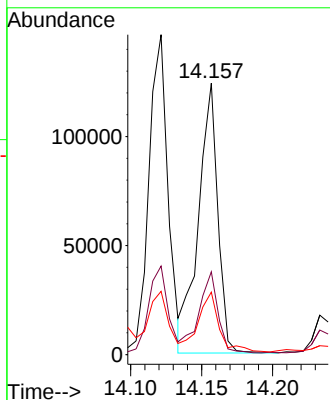
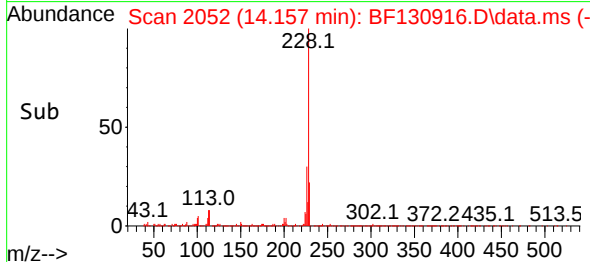
Instrument :
BNA_F
Client Sample Id :
SB-03-COMPDL



Tgt Ion:228 Resp: 117476
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 23.0 15.8 23.6

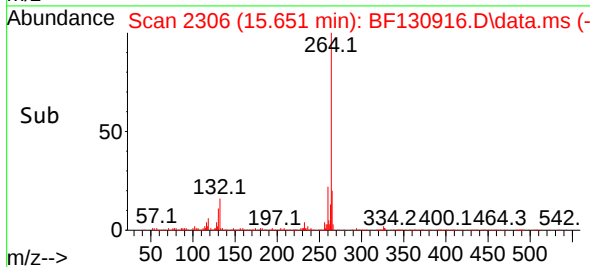
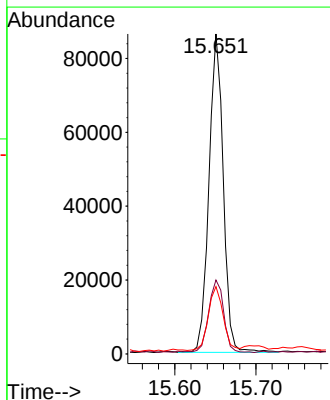
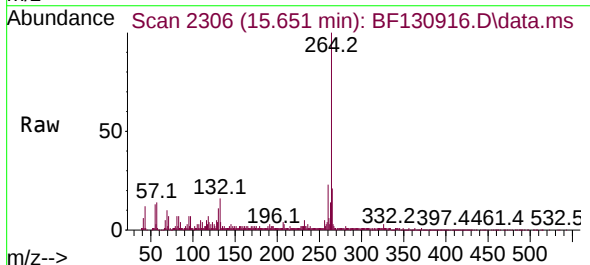
Manual Integrations
APPROVED

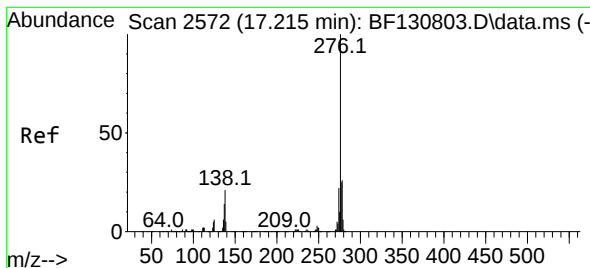
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2306
Delta R.T. 0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

Tgt Ion:264 Resp: 106124
Ion Ratio Lower Upper
264 100
260 23.1 19.9 29.9
265 21.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.366 ng

RT: 17.198 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130916.D

Acq: 01 Nov 2022 23:45

Instrument :

BNA_F

ClientSampleId :

SB-03-COMPDL

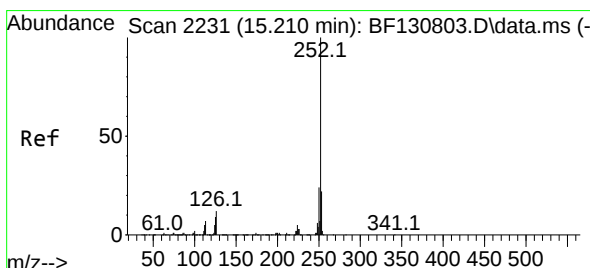
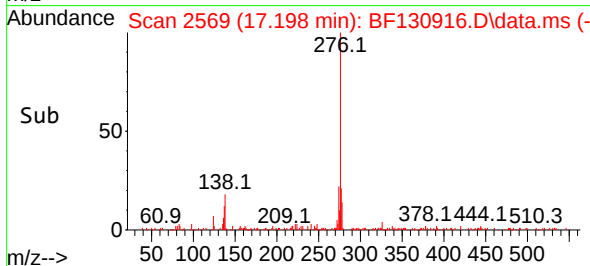
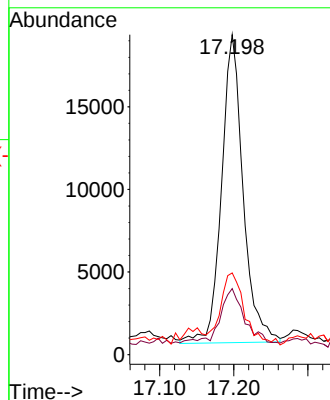
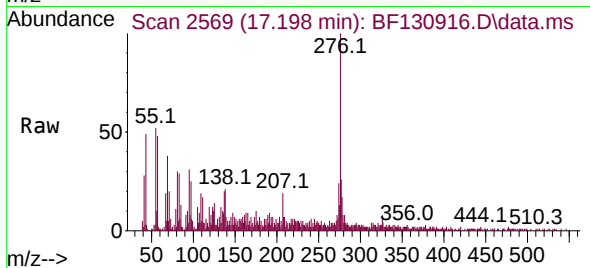
Tgt Ion:	276	Resp:	37818
Ion Ratio	Lower	Upper	
276	100		
138	23.4	19.1	28.7
277	26.0	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#88

Benzo(b)fluoranthene

Concen: 15.313 ng m

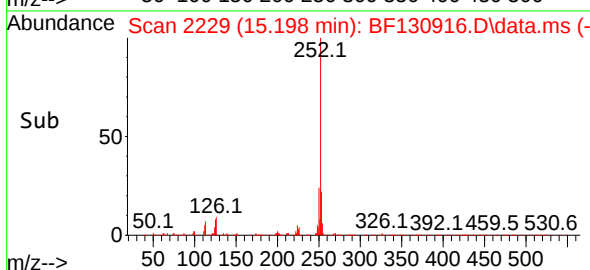
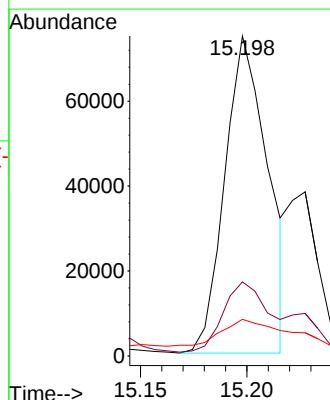
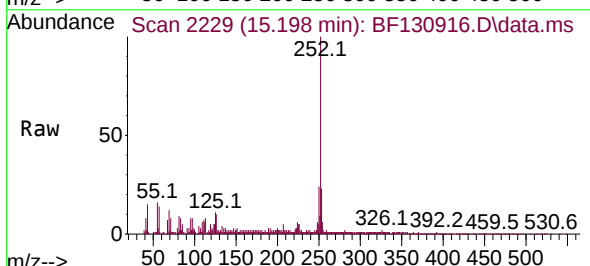
RT: 15.198 min Scan# 2229

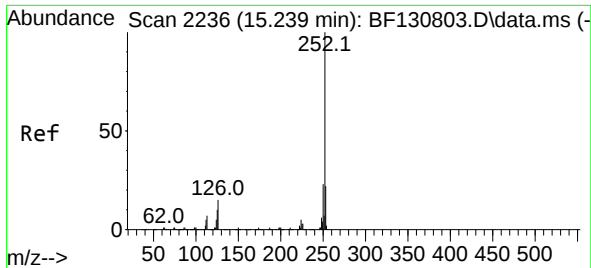
Delta R.T. 0.006 min

Lab File: BF130916.D

Acq: 01 Nov 2022 23:45

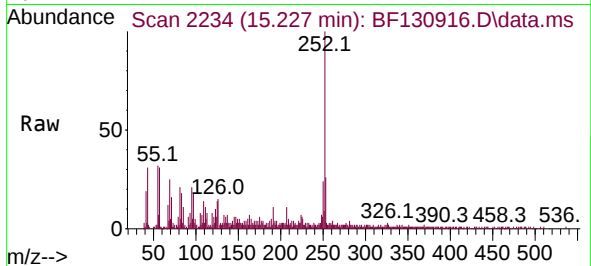
Tgt Ion:	252	Resp:	105050
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	11.4	7.0	10.4





#89
Benzo(k)fluoranthene
Concen: 5.425 ng m
RT: 15.227 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

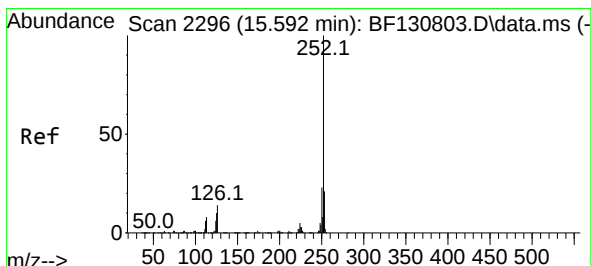
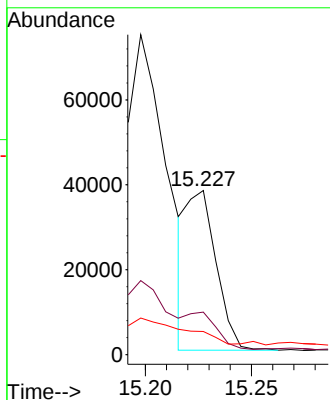
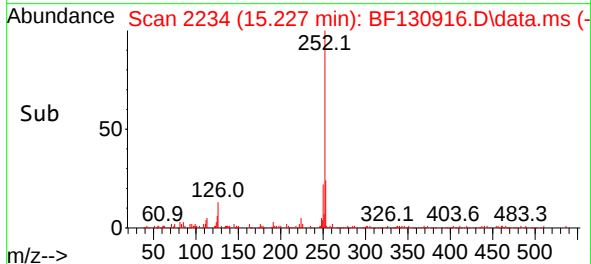
Instrument :
BNA_F
ClientSampleId :
SB-03-COMPDL



Tgt Ion:252 Resp: 36262
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 14.1 8.0 12.0

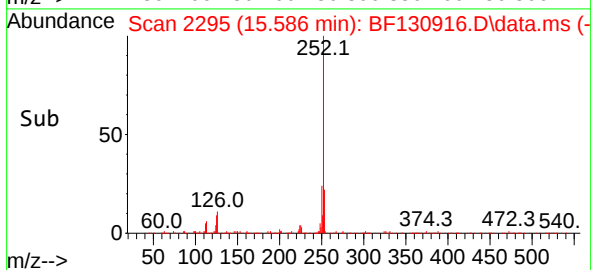
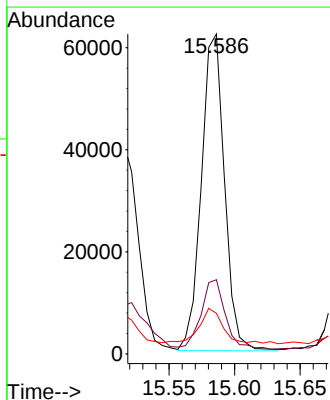
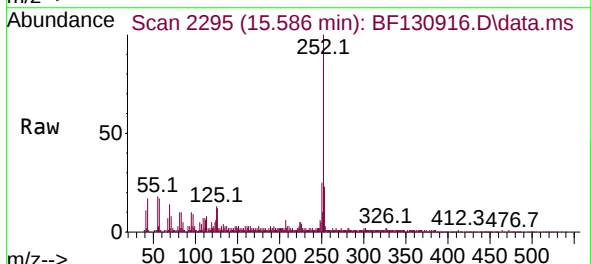
Manual Integrations
APPROVED

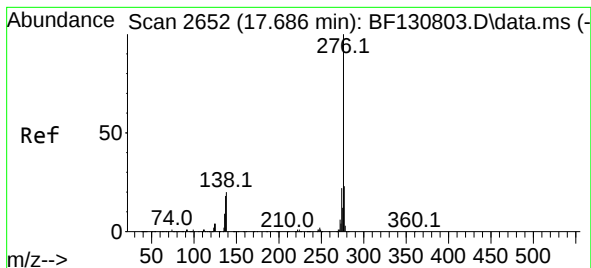
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#90
Benzo(a)pyrene
Concen: 13.839 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF130916.D
Acq: 01 Nov 2022 23:45

Tgt Ion:252 Resp: 76320
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.7 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 6.109 ng

RT: 17.668 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF130916.D

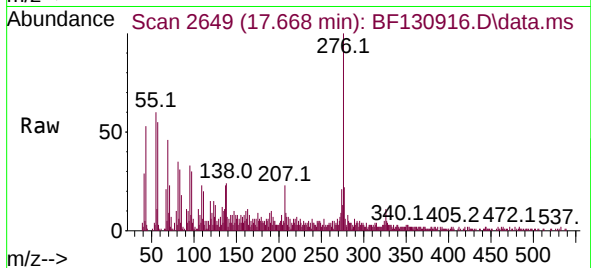
Acq: 01 Nov 2022 23:45

Instrument :

BNA_F

ClientSampleId :

SB-03-COMPDL



Tgt Ion:	276	Resp:	3580
Ion Ratio	Lower	Upper	
276	100		
277	21.8	18.8	28.2
138	23.8	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

