

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130354.D
 Acq On : 20 Sep 2022 20:35
 Operator : CG\JU
 Sample : N4630-06 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/21/2022
 Supervised By : Jagrut Upadhyay 09/21/2022

Quant Time: Sep 21 05:19:16 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	78431	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	265207	20.000	ng	0.00
39) Acenaphthene-d10	9.698	164	135449	20.000	ng	0.00
64) Phenanthrene-d10	11.180	188	237146	20.000	ng	0.00
76) Chrysene-d12	13.833	240	207566	20.000	ng	# 0.03
86) Perylene-d12	15.251	264	166048	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	75506	16.698	ng	0.00
7) Phenol-d6	6.304	99	90283	15.957	ng	0.00
23) Nitrobenzene-d5	7.222	82	52726	10.157	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	23151	17.838	ng	0.00
45) 2-Fluorobiphenyl	9.022	172	100369	10.791	ng	0.00
79) Terphenyl-d14	12.774	244	133101	10.622	ng	0.02
Target Compounds						Qvalue
75) Fluoranthene	12.398	202	34517	2.683	ng	80
78) Pyrene	12.627	202	68276	3.760	ng	# 86
81) Benzo(a)anthracene	13.821	228	47605	3.448	ng	# 60
83) Chrysene	13.857	228	79144	6.036	ng	# 67
87) Indeno(1,2,3-cd)pyrene	16.592	276	29289	2.487	ng	93
88) Benzo(b)fluoranthene	14.851	252	78135m	7.209	ng	
89) Benzo(k)fluoranthene	14.874	252	26566m	2.492	ng	
90) Benzo(a)pyrene	15.192	252	60439	7.039	ng	# 2
92) Benzo(g,h,i)perylene	16.998	276	40474	4.159	ng	# 65

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

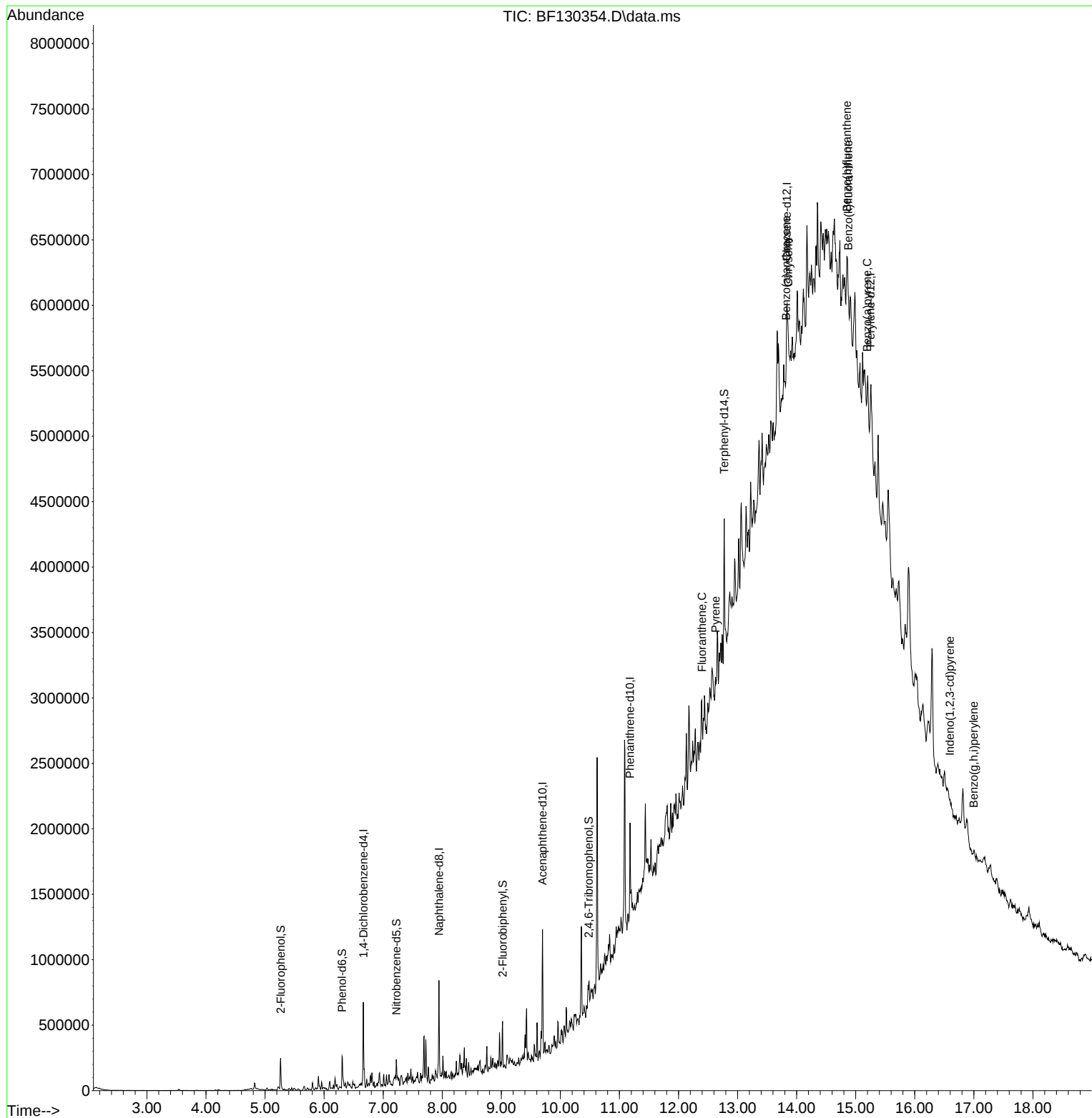
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130354.D
Acq On : 20 Sep 2022 20:35
Operator : CG\JU
Sample : N4630-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

Quant Time: Sep 21 05:19:16 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

Manual Integrations
APPROVED

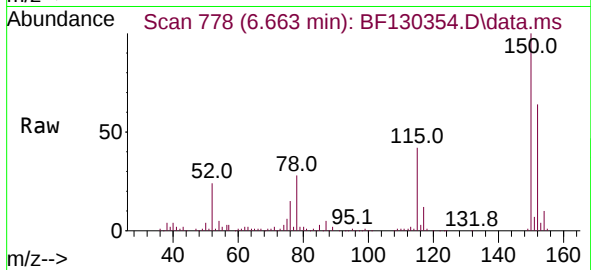
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

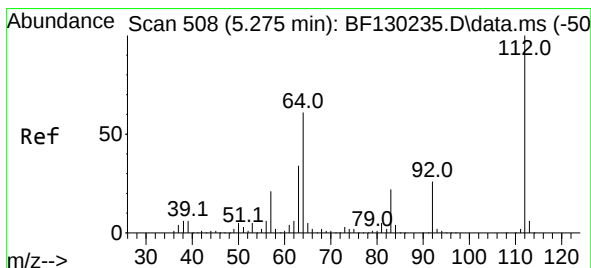
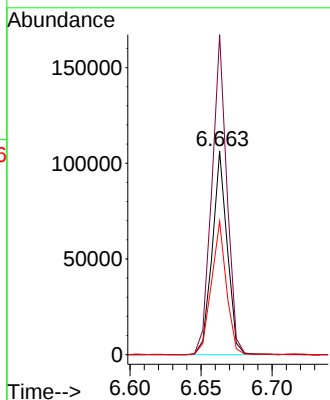
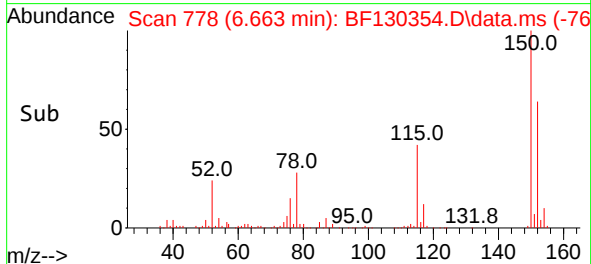
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



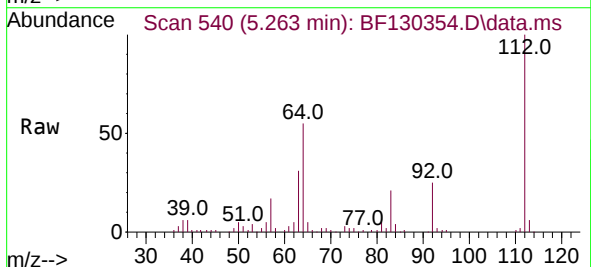
Tgt Ion:152 Resp: 78431
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 65.4 53.8 80.8

Manual Integrations
APPROVED

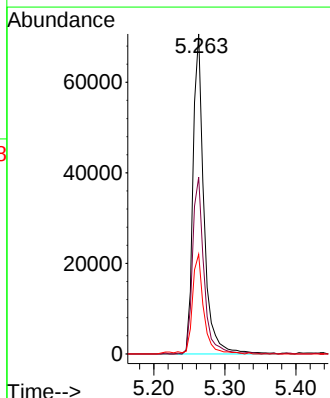
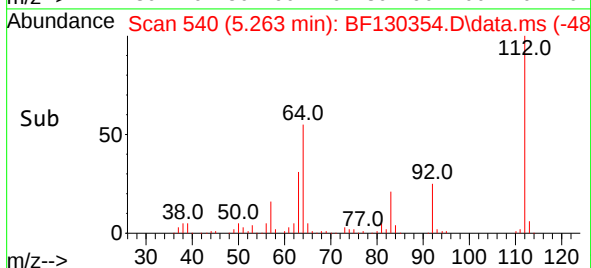
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#5
2-Fluorophenol
Concen: 16.698 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35



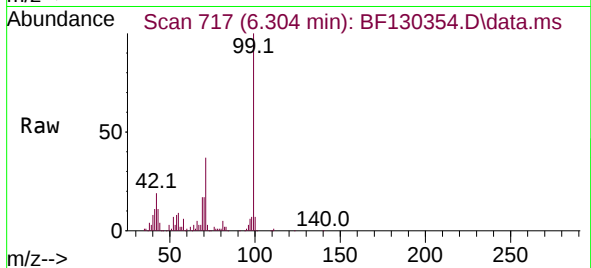
Tgt Ion:112 Resp: 75506
Ion Ratio Lower Upper
112 100
64 55.2 51.4 77.0
63 31.1 28.8 43.2





#7
Phenol-d6
Concen: 15.957 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

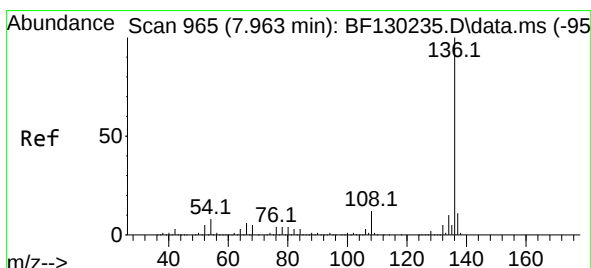
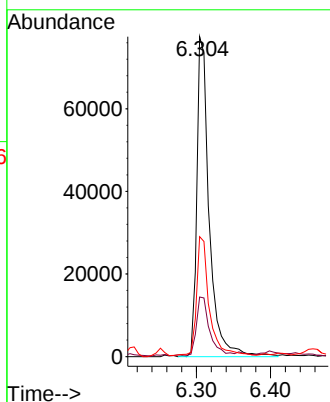
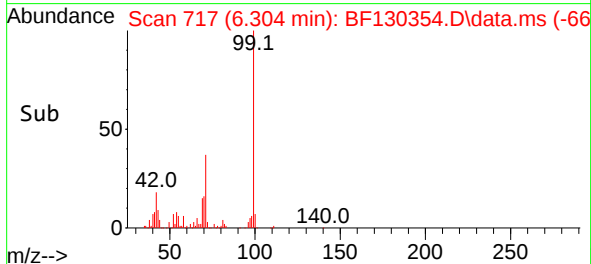
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion: 99 Resp: 90283
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.5 32.3 48.5

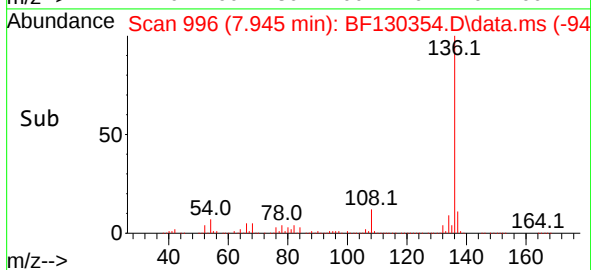
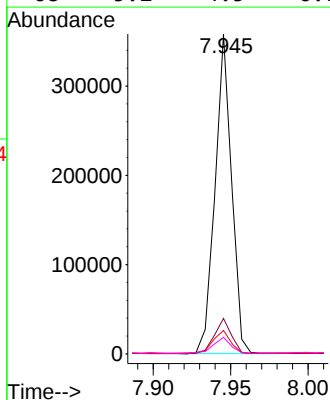
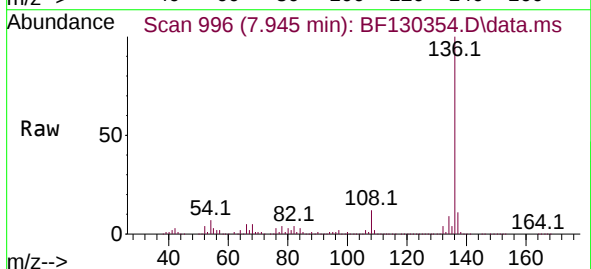
Manual Integrations
APPROVED

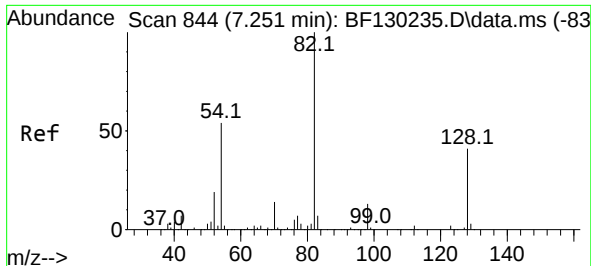
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

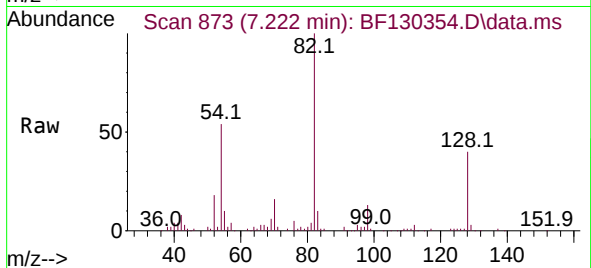
Tgt Ion:136 Resp: 265207
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.3 7.1 10.7
68 5.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 10.157 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

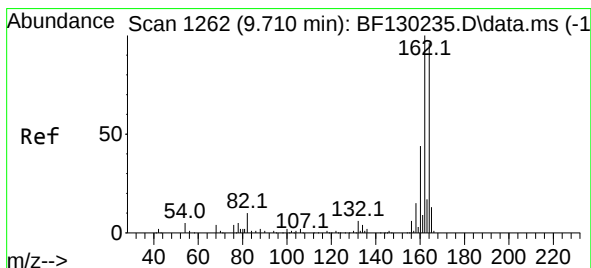
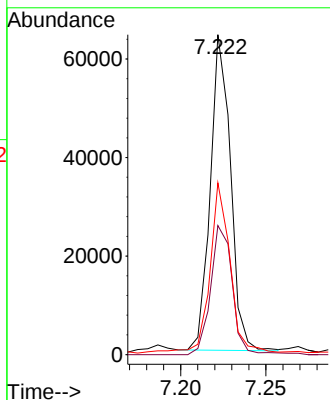
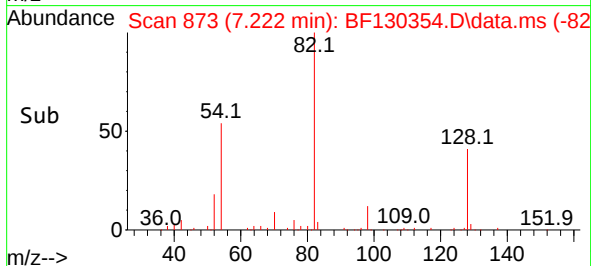
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion: 82 Resp: 52726
Ion Ratio Lower Upper
82 100
128 40.3 32.6 49.0
54 53.7 43.8 65.6

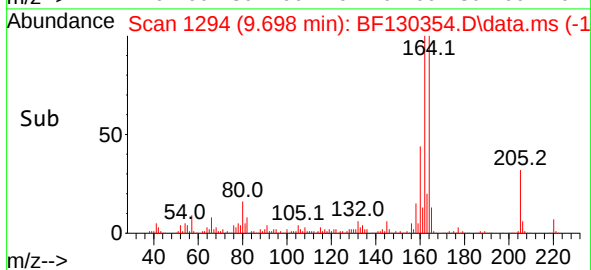
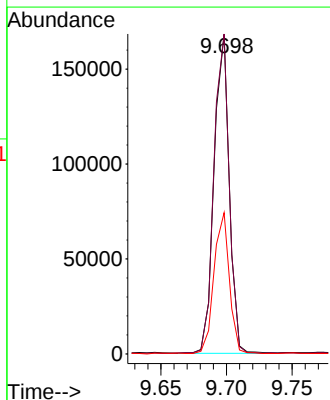
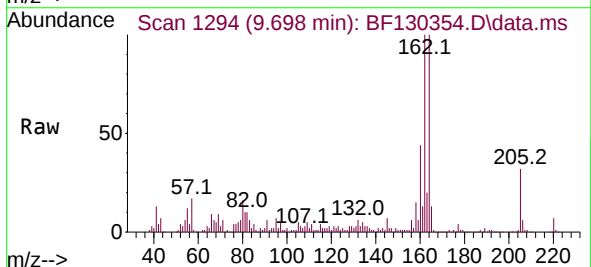
Manual Integrations
APPROVED

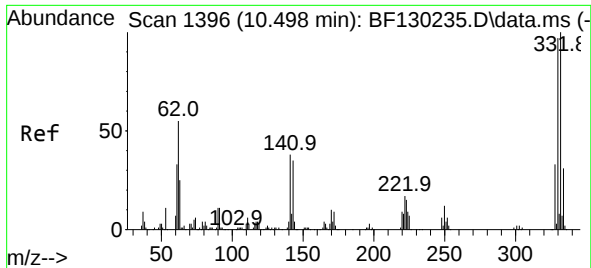
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

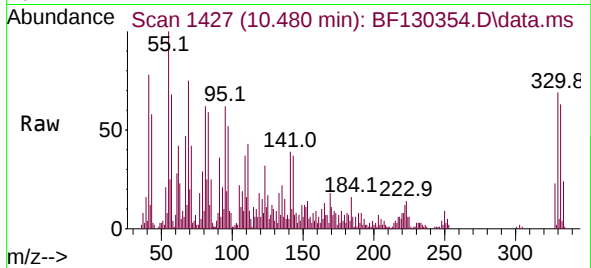
Tgt Ion:164 Resp: 135449
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 17.838 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

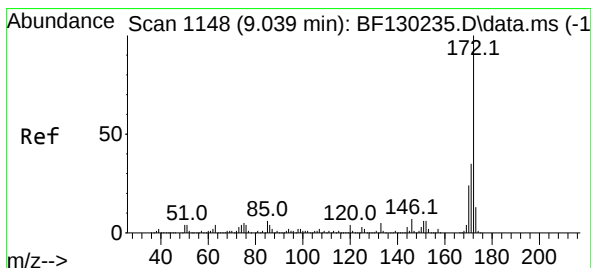
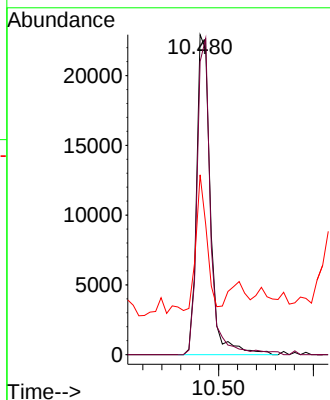
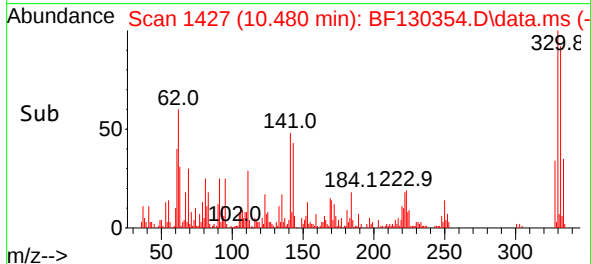
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



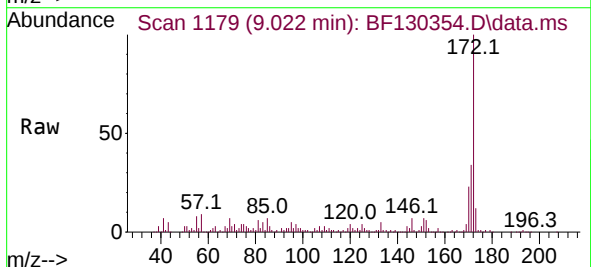
Tgt Ion: 330 Resp: 2315
Ion Ratio Lower Upper
330 100
332 97.1 83.4 125.2
141 32.7 34.0 51.0

Manual Integrations
APPROVED

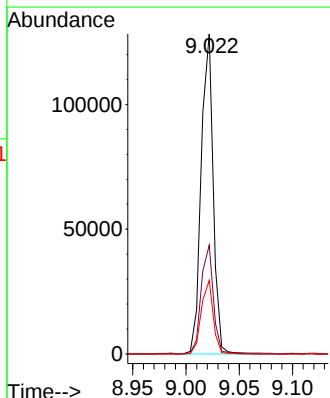
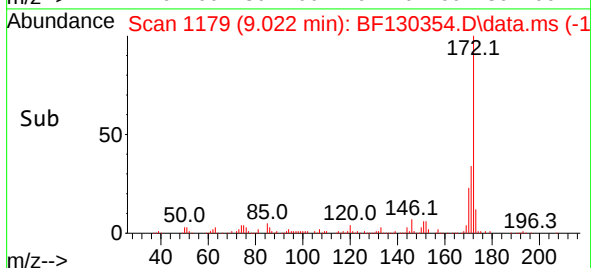
Reviewed By : Christian Giraldo 09/21/2022
Supervised By : Jagrut Upadhyay 09/21/2022

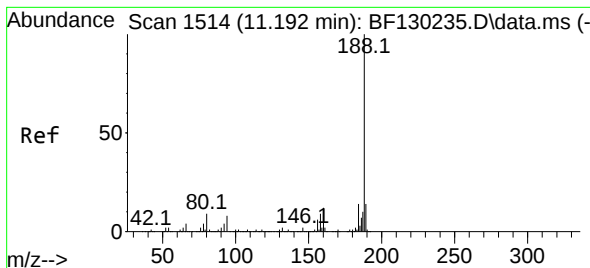


#45
2-Fluorobiphenyl
Concen: 10.791 ng
RT: 9.022 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35



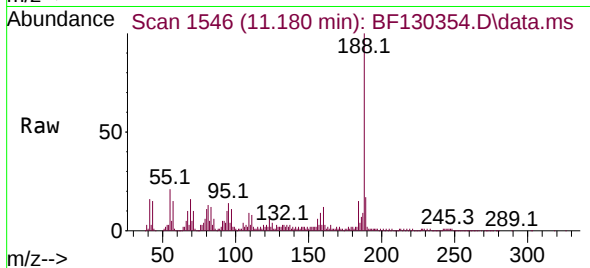
Tgt Ion: 172 Resp: 100369
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 22.9 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.180 min Scan# 111
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

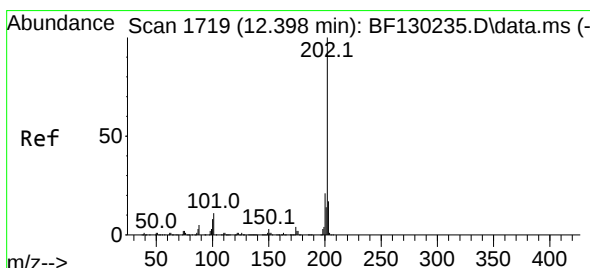
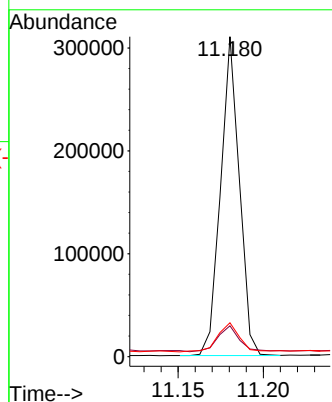
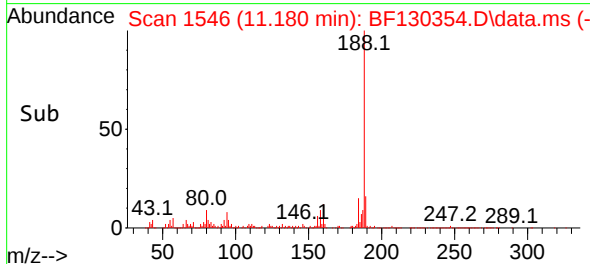
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion:188 Resp: 237146
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.6 7.9 11.9

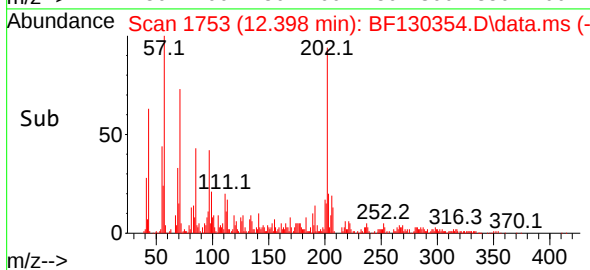
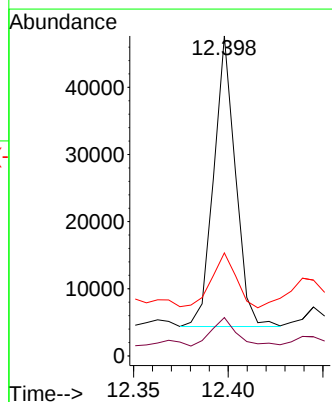
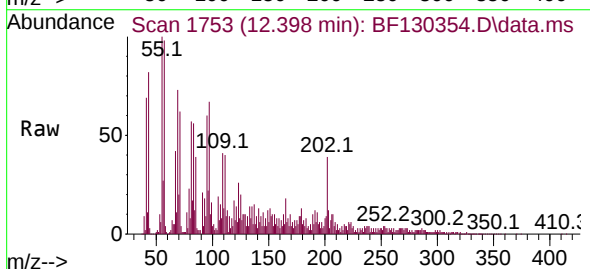
Manual Integrations
APPROVED

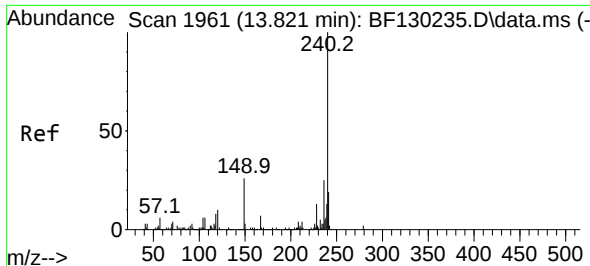
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#75
Fluoranthene
Concen: 2.683 ng
RT: 12.398 min Scan# 1753
Delta R.T. 0.018 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

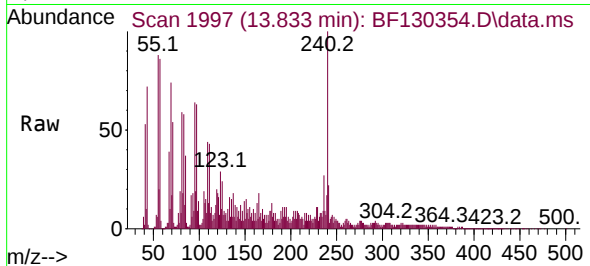
Tgt Ion:202 Resp: 34517
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.8
203 32.2 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.833 min Scan# 1961
Delta R.T. 0.029 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

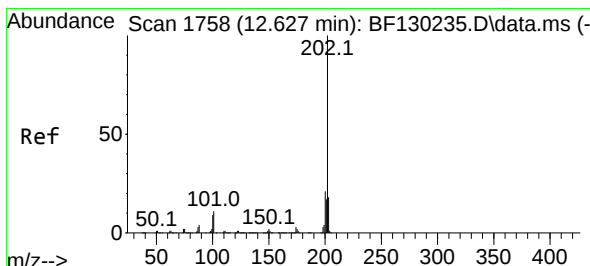
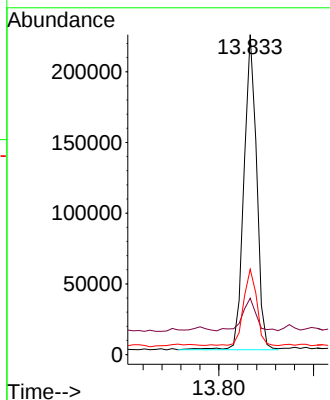
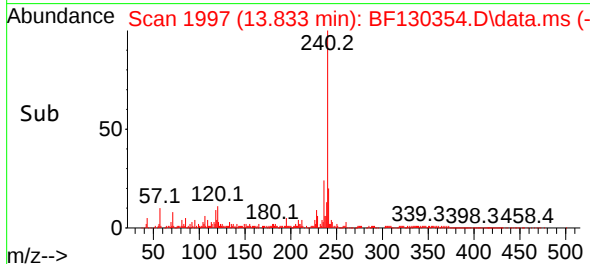
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



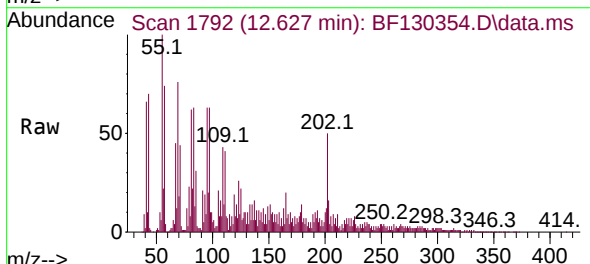
Tgt Ion:240 Resp: 207566
Ion Ratio Lower Upper
240 100
120 17.6 8.7 13.1
236 26.7 20.9 31.3

Manual Integrations
APPROVED

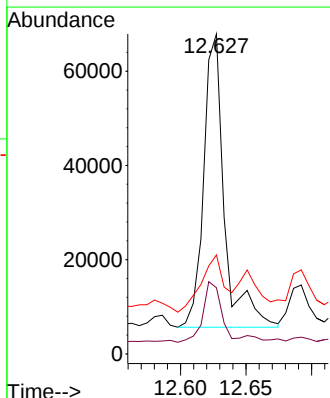
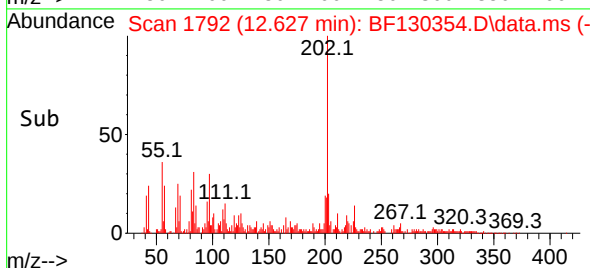
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

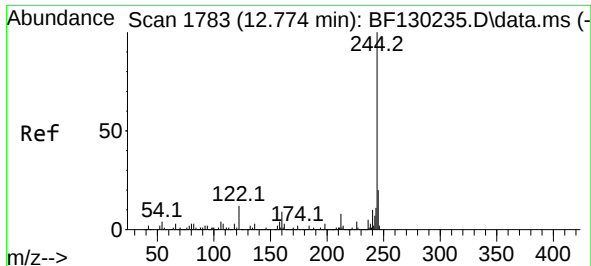


#78
Pyrene
Concen: 3.760 ng
RT: 12.627 min Scan# 1792
Delta R.T. 0.018 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35



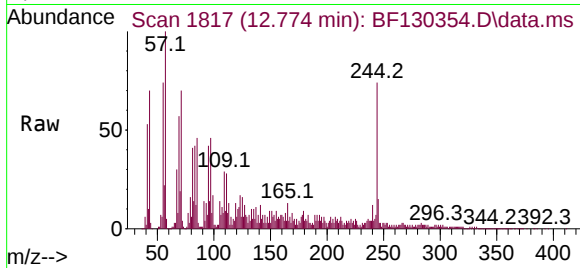
Tgt Ion:202 Resp: 68276
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 30.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 10.622 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. 0.018 min
 Lab File: BF130354.D
 Acq: 20 Sep 2022 20:35

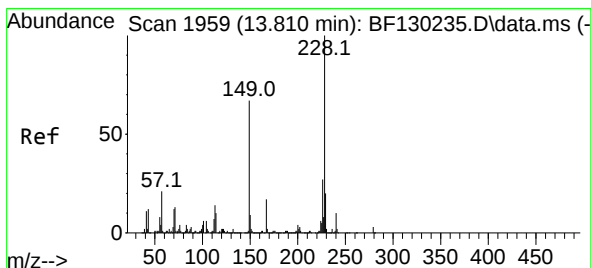
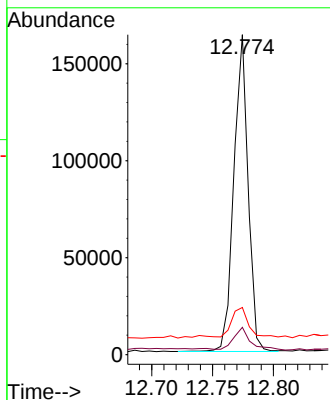
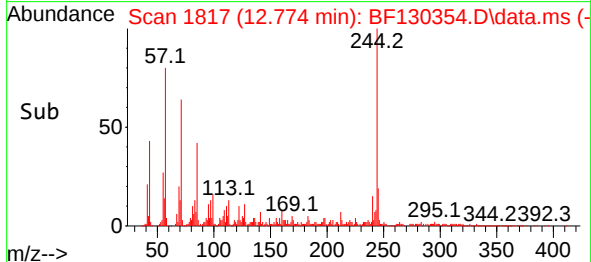
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-2



Tgt Ion:244 Resp: 13310
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.9 8.9
 122 14.7 8.5 12.7

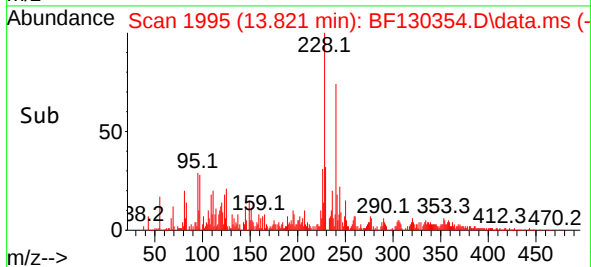
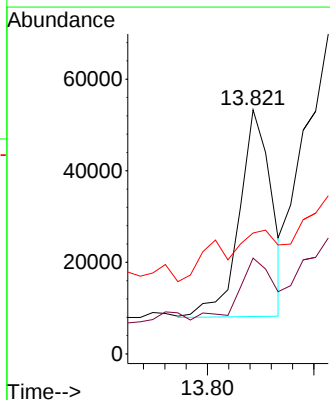
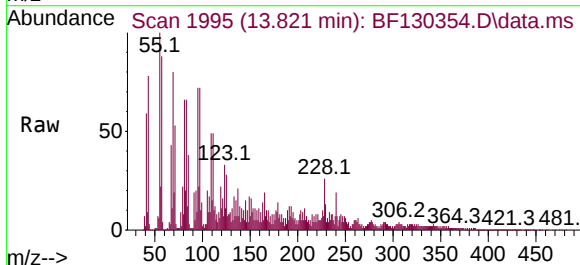
Manual Integrations
 APPROVED

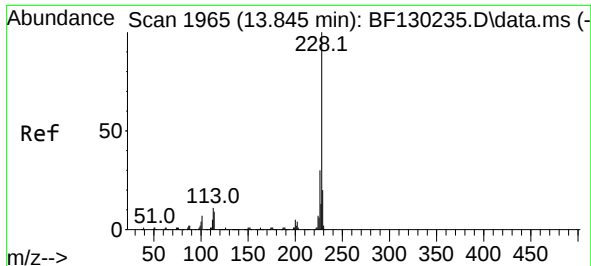
Reviewed By :Christian Giraldo 09/21/2022
 Supervised By :Jagrut Upadhyay 09/21/2022



#81
 Benzo(a)anthracene
 Concen: 3.448 ng
 RT: 13.821 min Scan# 1995
 Delta R.T. 0.029 min
 Lab File: BF130354.D
 Acq: 20 Sep 2022 20:35

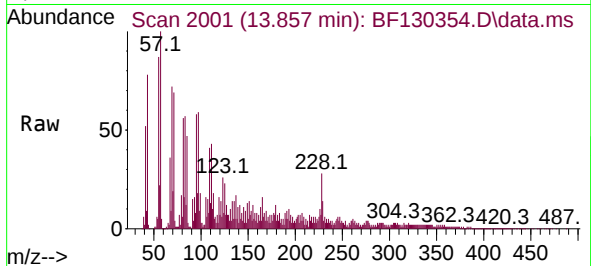
Tgt Ion:228 Resp: 47605
 Ion Ratio Lower Upper
 228 100
 226 39.2 21.9 32.9#
 229 49.5 16.1 24.1#





#83
Chrysene
Concen: 6.036 ng
RT: 13.857 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

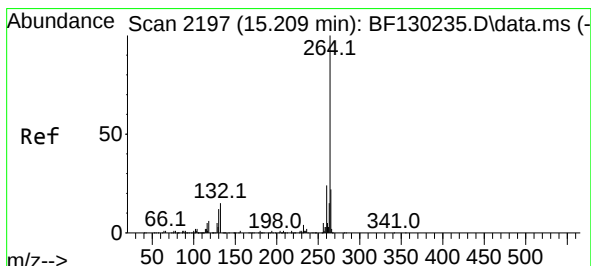
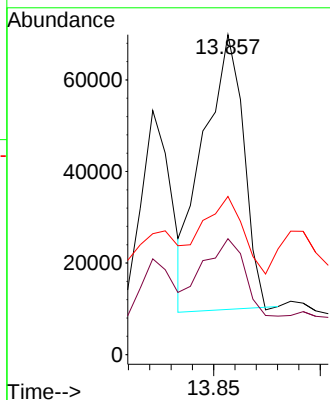
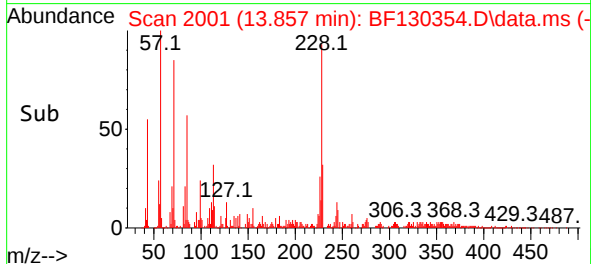
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion:228 Resp: 79144
Ion Ratio Lower Upper
228 100
226 36.2 23.8 35.8
229 49.4 15.3 22.9

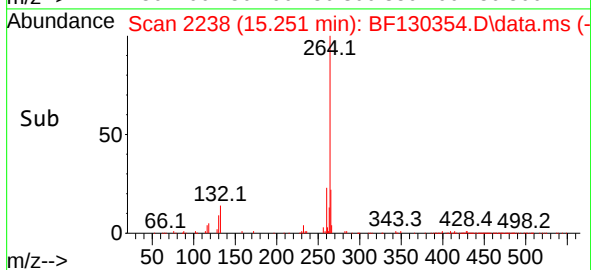
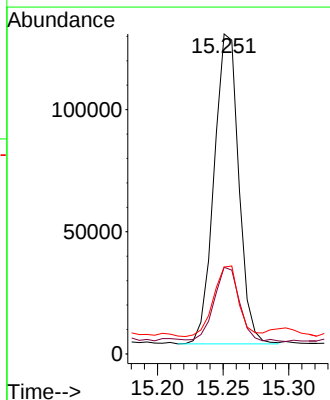
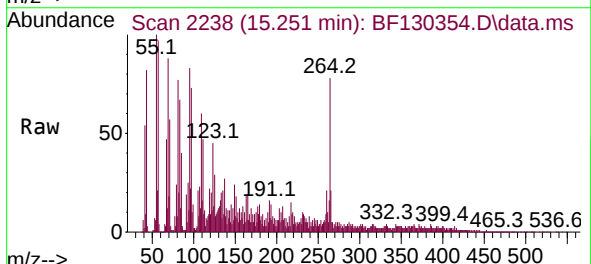
Manual Integrations
APPROVED

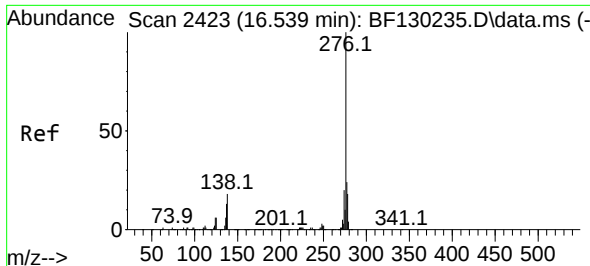
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.251 min Scan# 2238
Delta R.T. 0.065 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:264 Resp: 166048
Ion Ratio Lower Upper
264 100
260 27.1 19.3 28.9
265 27.1 17.0 25.4





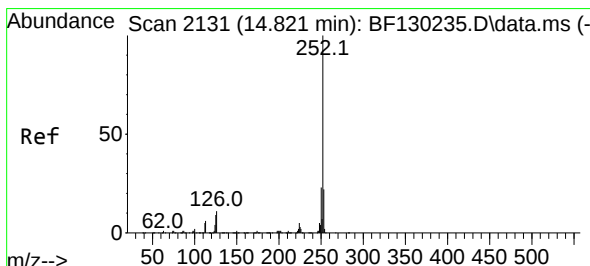
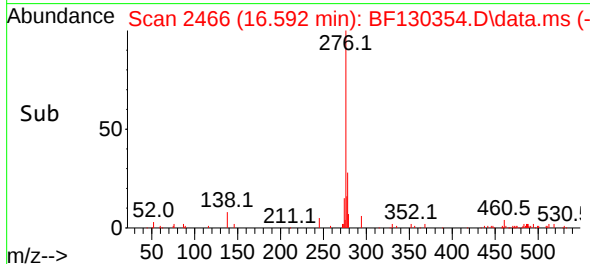
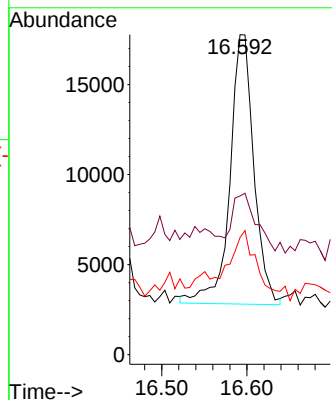
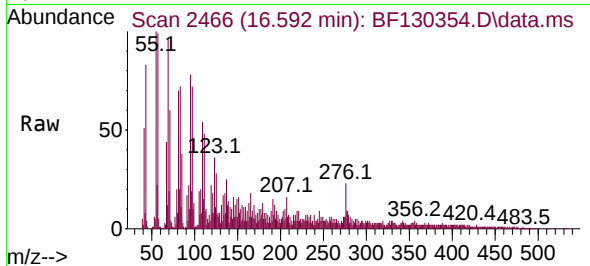
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.487 ng
RT: 16.592 min Scan# 2423
Delta R.T. 0.082 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

Tgt Ion:276 Resp: 29289
Ion Ratio Lower Upper
276 100
138 20.5 18.5 27.7
277 29.1 20.2 30.4

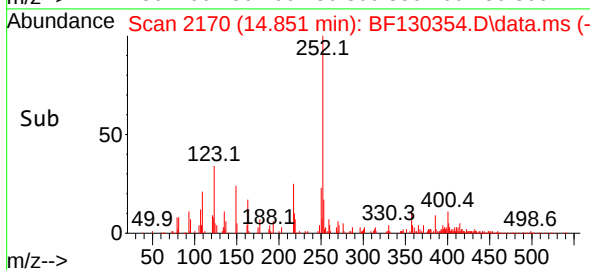
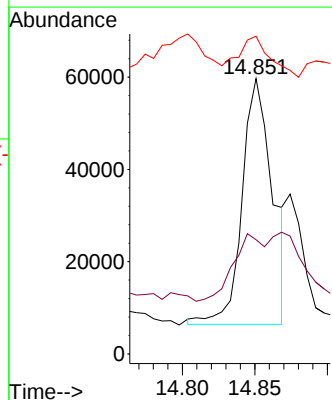
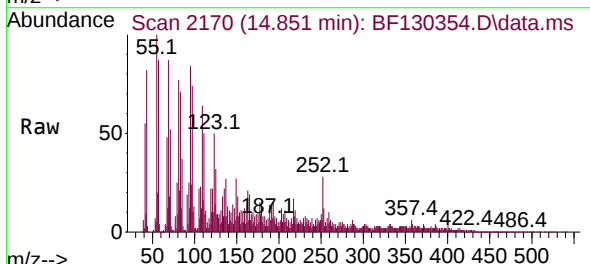
Manual Integrations
APPROVED

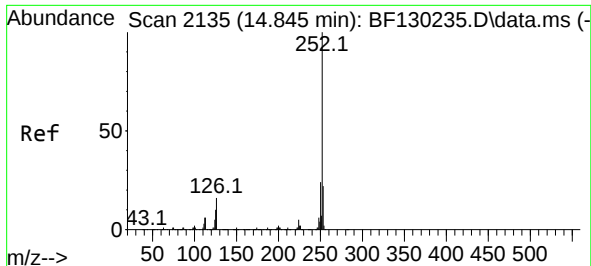
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#88
Benzo(b)fluoranthene
Concen: 7.209 ng m
RT: 14.851 min Scan# 2170
Delta R.T. 0.053 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

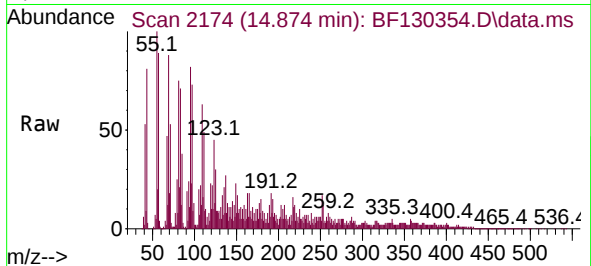
Tgt Ion:252 Resp: 78135
Ion Ratio Lower Upper
252 100
253 41.5 17.7 26.5#
125 115.4 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.492 ng m
RT: 14.874 min Scan# 2135
Delta R.T. 0.047 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

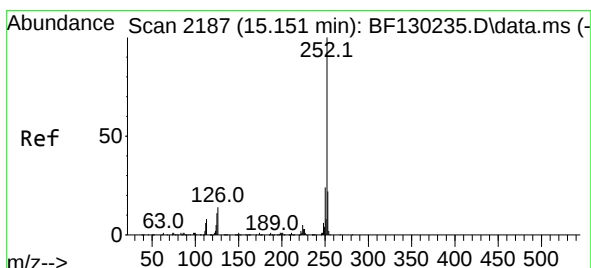
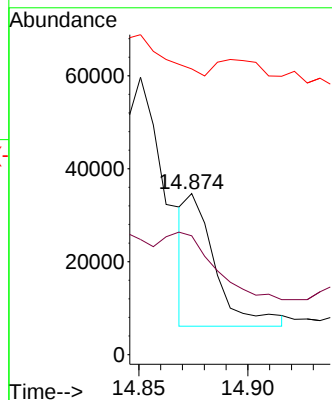
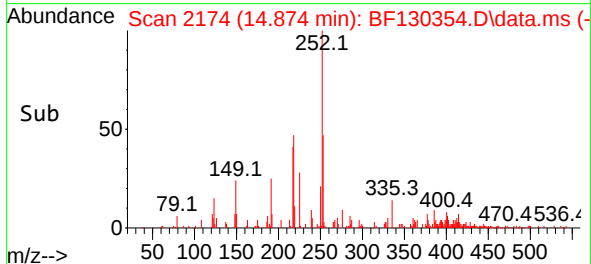
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion:252 Resp: 26566
Ion Ratio Lower Upper
252 100
253 73.8 17.4 26.2#
125 177.4 7.9 11.9#

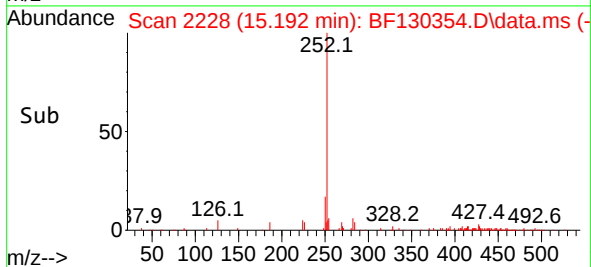
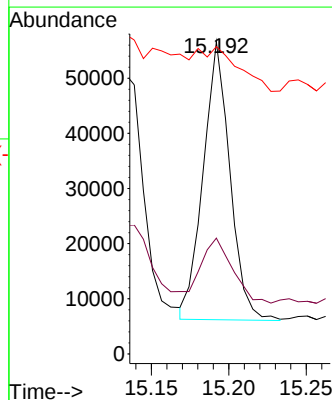
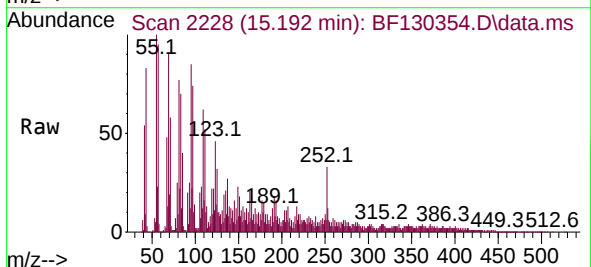
Manual Integrations
APPROVED

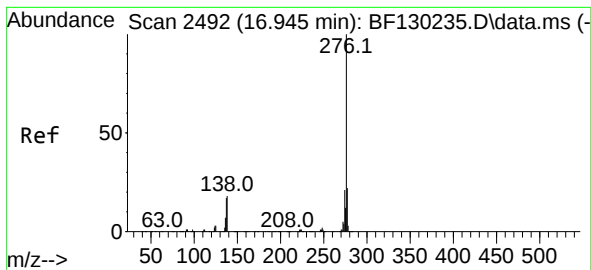
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#90
Benzo(a)pyrene
Concen: 7.039 ng
RT: 15.192 min Scan# 2228
Delta R.T. 0.059 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

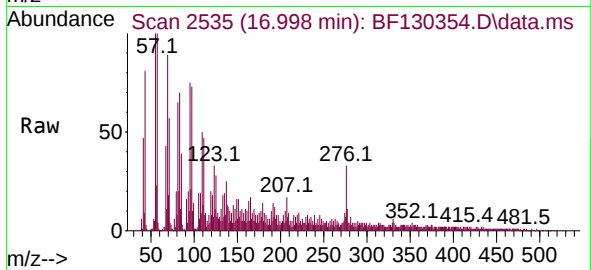
Tgt Ion:252 Resp: 60439
Ion Ratio Lower Upper
252 100
253 37.1 17.8 26.6#
125 98.4 9.0 13.6#





#92
Benzo(g,h,i)perylene
Concen: 4.159 ng
RT: 16.998 min Scan# 21
Delta R.T. 0.088 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Instrument :
BNA_F
ClientSampleId :
WC-17-4-2



Tgt Ion: 276 Resp: 40474
Ion Ratio Lower Upper
276 100
277 34.6 18.6 27.8
138 40.6 14.6 21.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/21/2022
Supervised By : Jagrut Upadhyay 09/21/2022

