

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130353.D
 Acq On : 20 Sep 2022 20:02
 Operator : CG\JU
 Sample : N4630-11 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-3

Manual Integrations
 APPROVED

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

Quant Time: Sep 21 05:18:21 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	81650	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	271580	20.000	ng	0.00
39) Acenaphthene-d10	9.698	164	133386	20.000	ng	0.00
64) Phenanthrene-d10	11.180	188	236930	20.000	ng	0.00
76) Chrysene-d12	13.833	240	201705	20.000	ng	# 0.03
86) Perylene-d12	15.257	264	159158	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	98752	20.978	ng	0.00
7) Phenol-d6	6.304	99	107829	18.307	ng	0.00
23) Nitrobenzene-d5	7.222	82	69124	13.003	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	27037	21.154	ng	0.00
45) 2-Fluorobiphenyl	9.022	172	111158	12.135	ng	0.00
79) Terphenyl-d14	12.774	244	145204	11.925	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.204	178	48591	3.653	ng	# 85
75) Fluoranthene	12.398	202	76525	5.953	ng	91
78) Pyrene	12.627	202	155859	8.833	ng	# 95
81) Benzo(a)anthracene	13.827	228	274785	20.478	ng	# 88
83) Chrysene	13.863	228	329387	25.853	ng	# 86
87) Indeno(1,2,3-cd)pyrene	16.604	276	106017	9.393	ng	98
88) Benzo(b)fluoranthene	14.851	252	201969m	19.442	ng	
89) Benzo(k)fluoranthene	14.868	252	52224m	5.111	ng	
90) Benzo(a)pyrene	15.198	252	249494	30.316	ng	# 75
91) Dibenzo(a,h)anthracene	16.609	278	95520	10.316	ng	# 64
92) Benzo(g,h,i)perylene	17.009	276	175991	18.869	ng	# 91

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

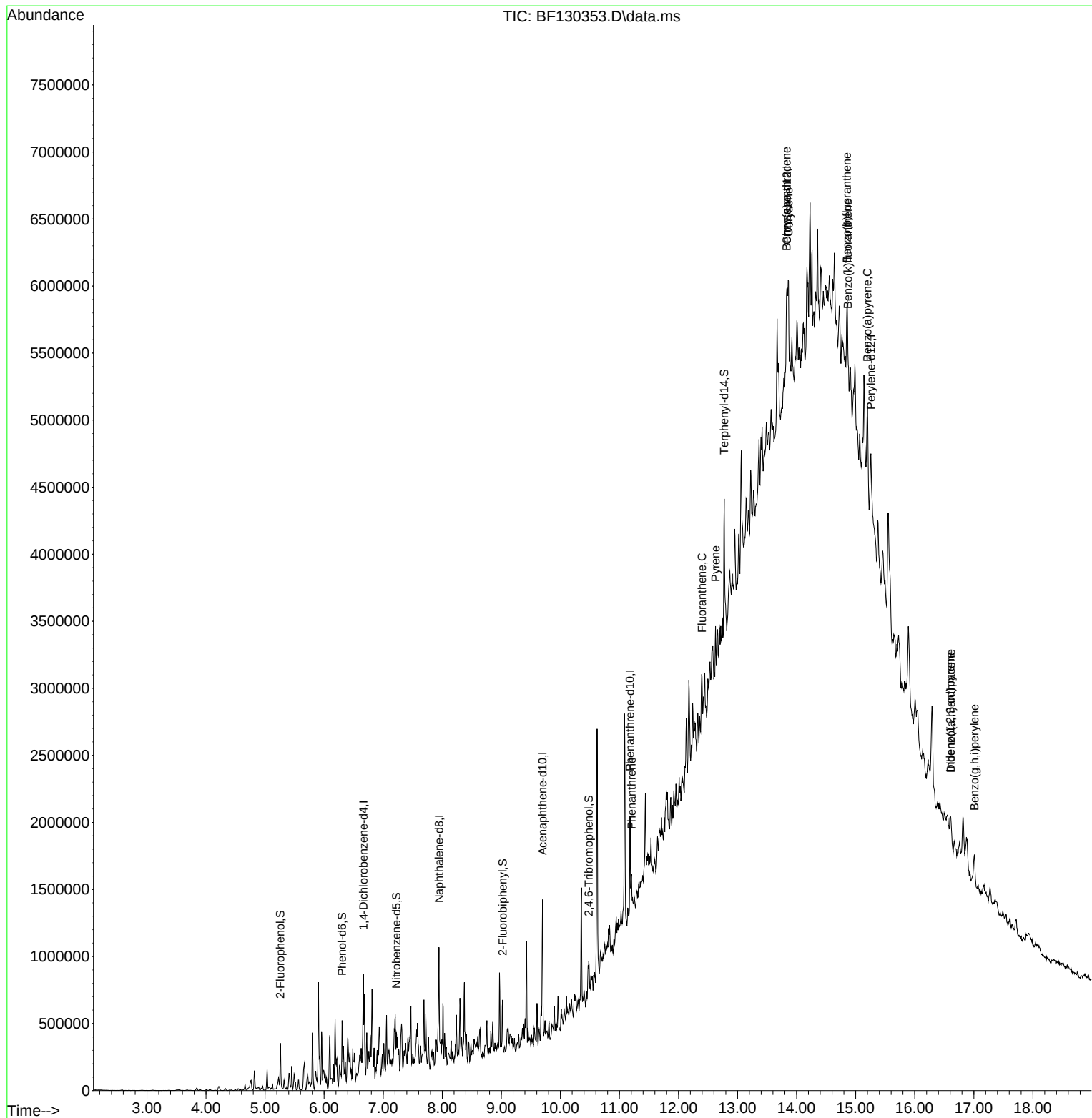
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130353.D
Acq On : 20 Sep 2022 20:02
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Sample : N4630-11 5X
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ALS Vial : 19 Sample Multiplier: 1

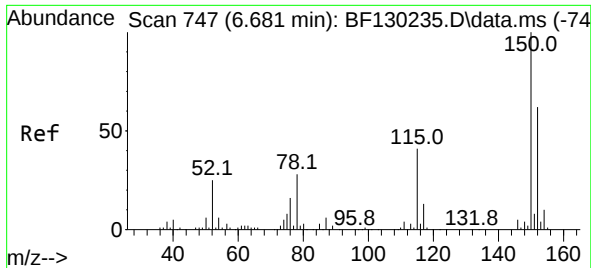
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3

Quant Time: Sep 21 05:18:21 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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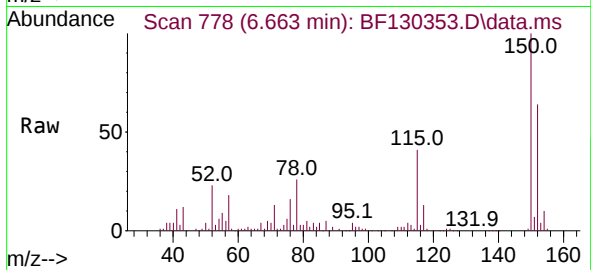
Reviewed By : Christian Giraldo 09/21/2022
Supervised By : Jagrut Upadhyay 09/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

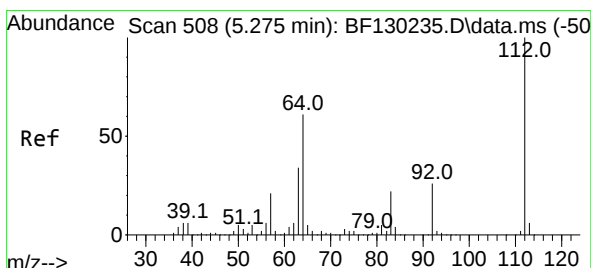
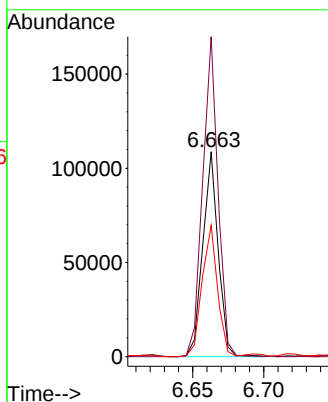
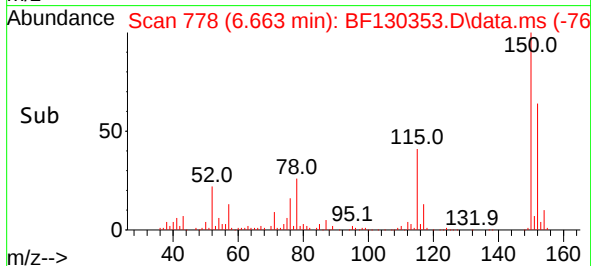
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:152 Resp: 81650
Ion Ratio Lower Upper
152 100
150 156.2 122.8 184.2
115 64.0 53.8 80.8

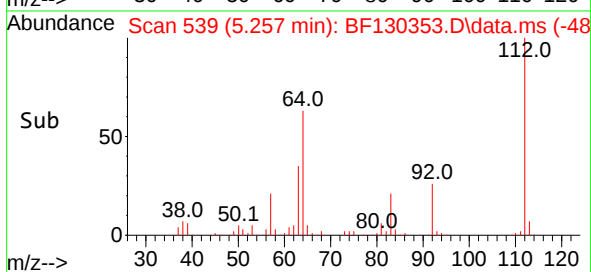
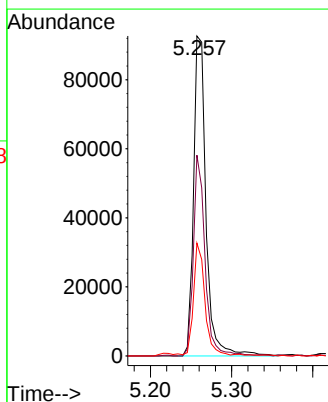
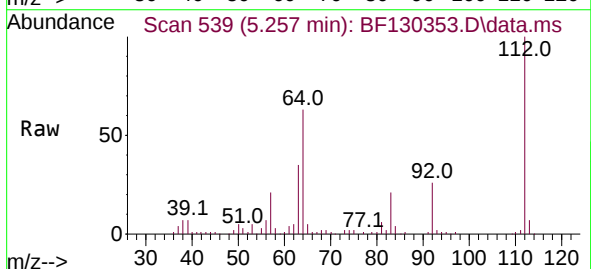
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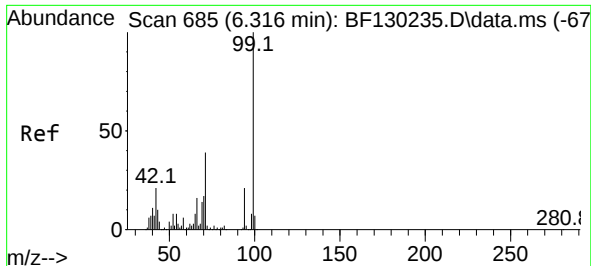
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#5
2-Fluorophenol
Concen: 20.978 ng
RT: 5.257 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

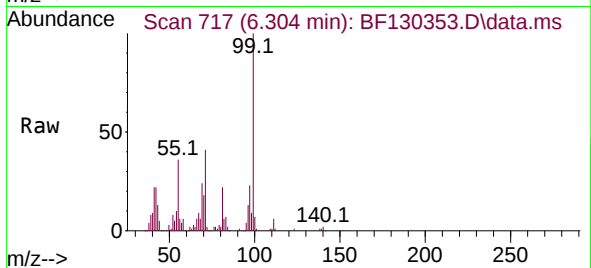
Tgt Ion:112 Resp: 98752
Ion Ratio Lower Upper
112 100
64 62.7 51.4 77.0
63 35.2 28.8 43.2





#7
Phenol-d6
Concen: 18.307 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

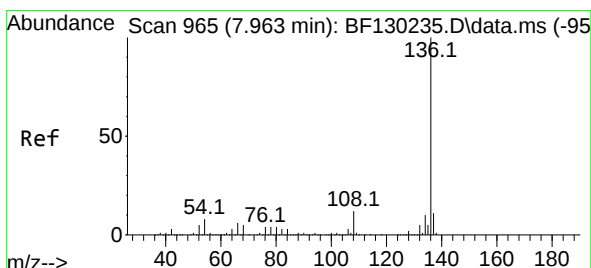
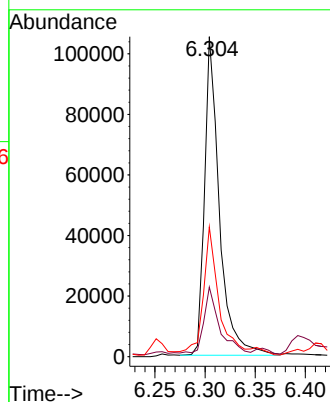
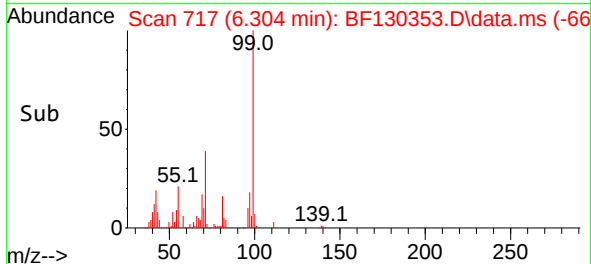
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion: 99 Resp: 107829
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 40.5 32.3 48.5

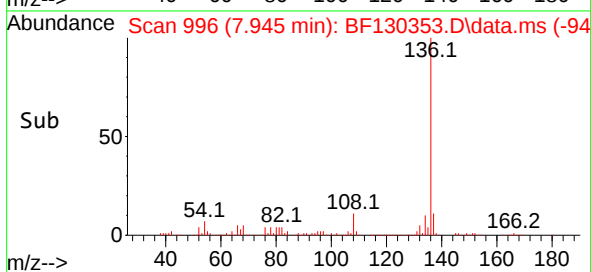
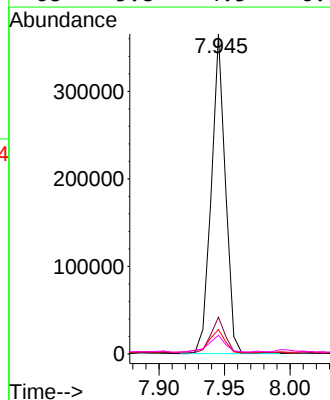
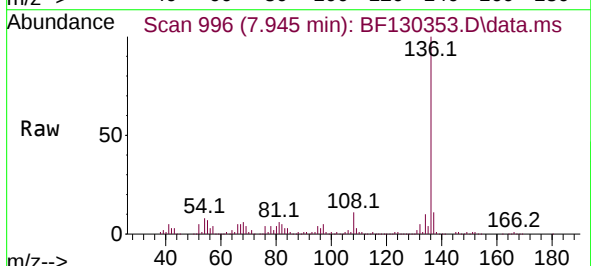
Manual Integrations
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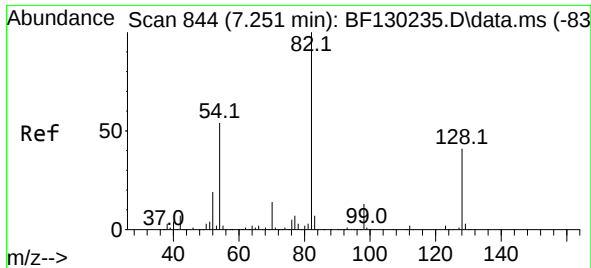
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

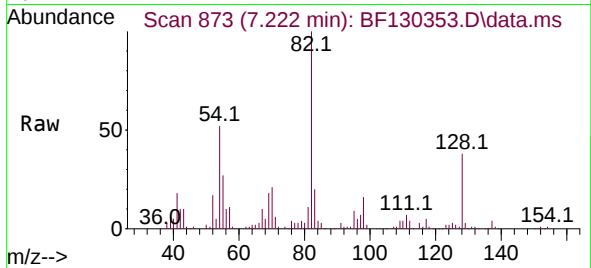
Tgt Ion:136 Resp: 271580
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.6 7.1 10.7
68 5.8 4.5 6.7





#23
Nitrobenzene-d5
Concen: 13.003 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

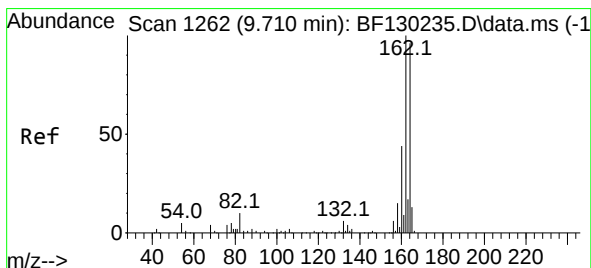
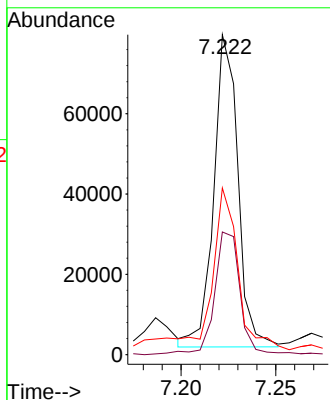
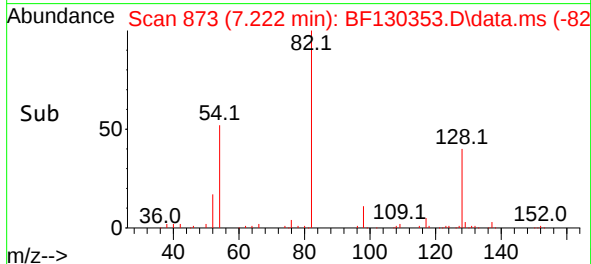
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion: 82 Resp: 69124
Ion Ratio Lower Upper
82 100
128 38.3 32.6 49.0
54 52.1 43.8 65.6

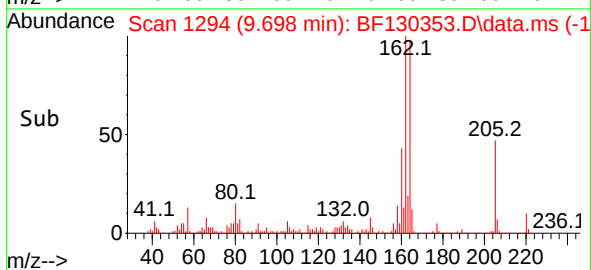
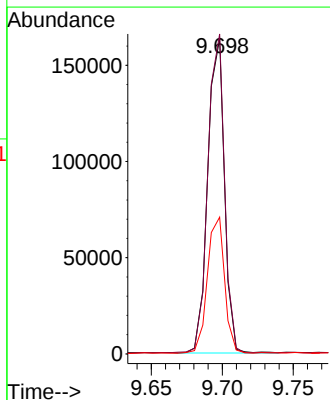
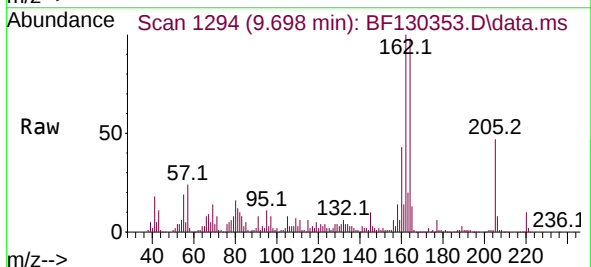
Manual Integrations
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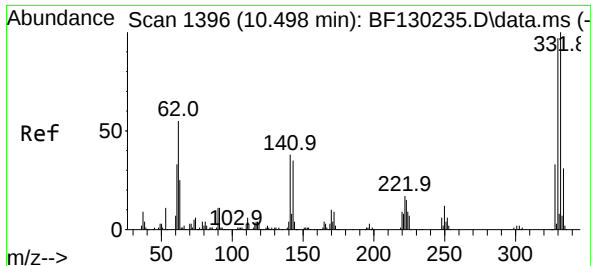
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

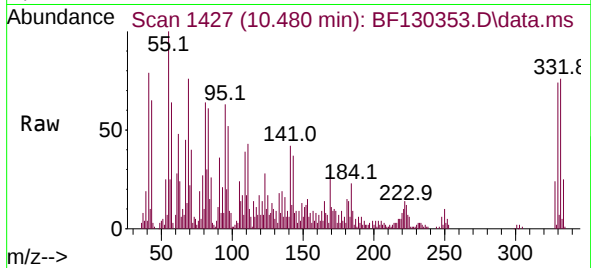
Tgt Ion:164 Resp: 133386
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 43.4 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 21.154 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

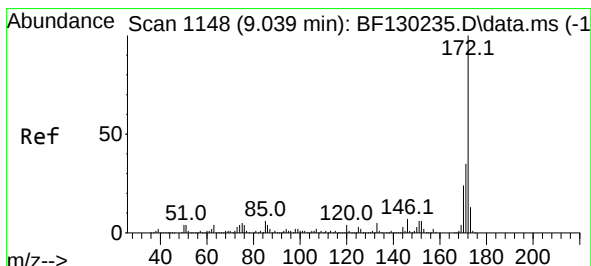
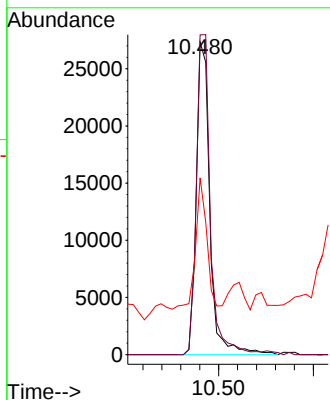
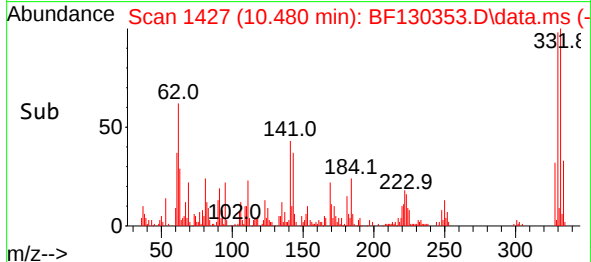
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:	330	Resp:	2703
Ion Ratio	Lower	Upper	
330	100		
332	105.7	83.4	125.2
141	34.2	34.0	51.0

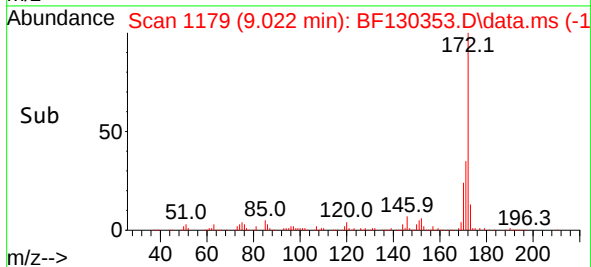
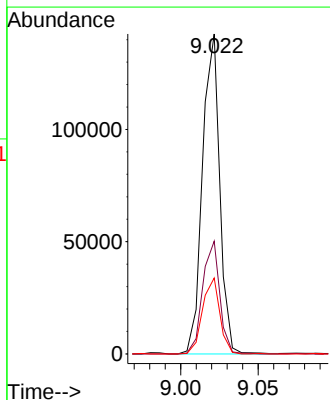
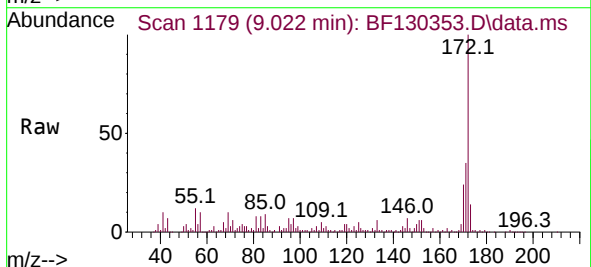
Manual Integrations
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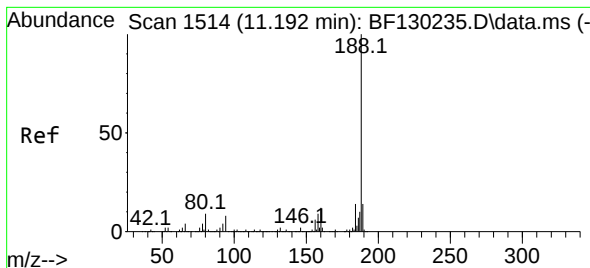
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#45
2-Fluorobiphenyl
Concen: 12.135 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

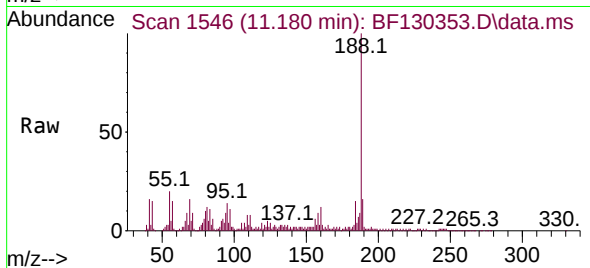
Tgt Ion:	172	Resp:	111158
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.3	42.5
170	23.7	18.7	28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

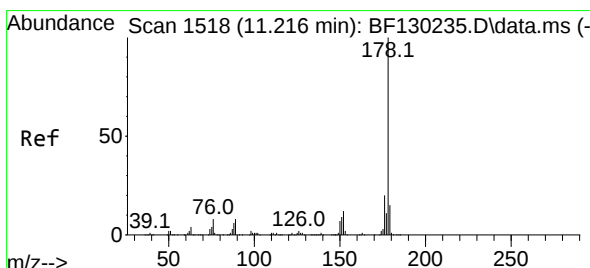
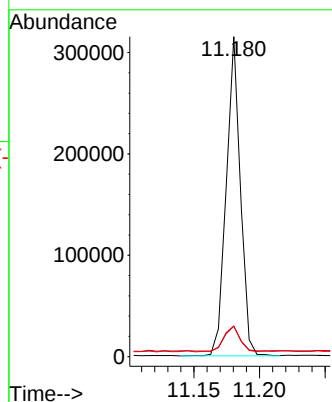
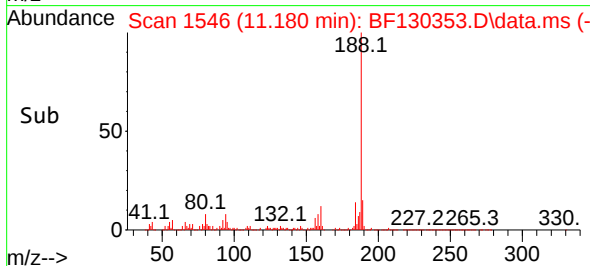
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:188 Resp: 236930
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 9.6 7.9 11.9

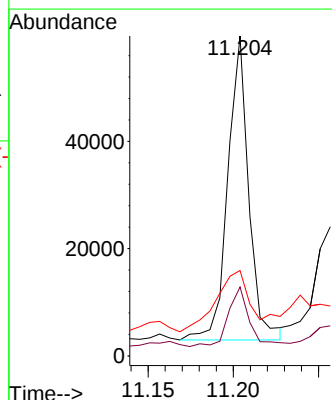
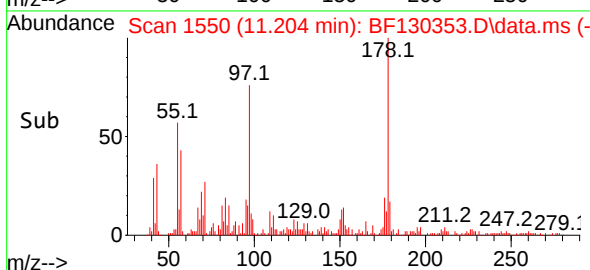
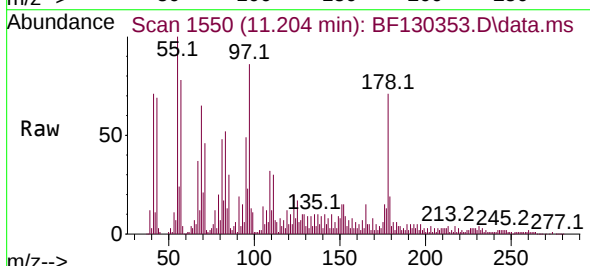
Manual Integrations
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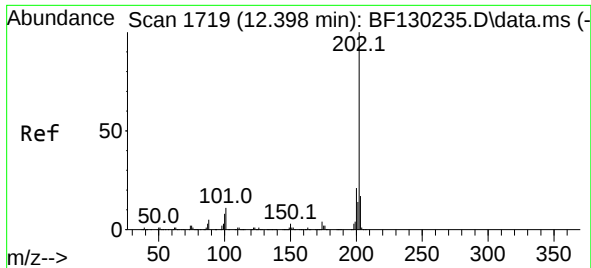
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#71
Phenanthrene
Concen: 3.653 ng
RT: 11.204 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

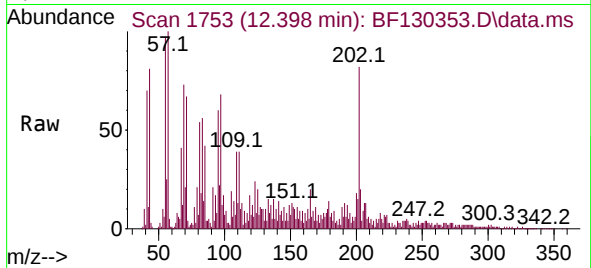
Tgt Ion:178 Resp: 48591
Ion Ratio Lower Upper
178 100
176 21.6 15.4 23.0
179 26.7 12.4 18.6#





#75
Fluoranthene
Concen: 5.953 ng
RT: 12.398 min Scan# 1719
Delta R.T. 0.018 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

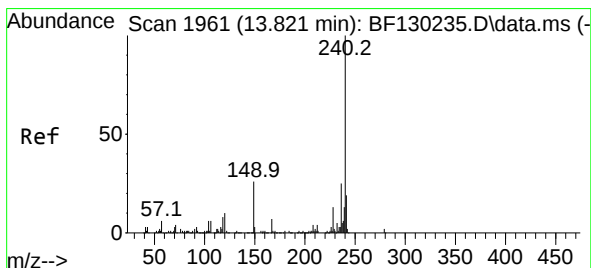
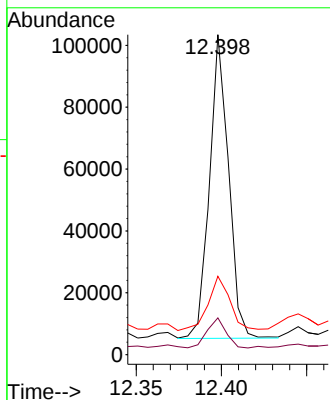
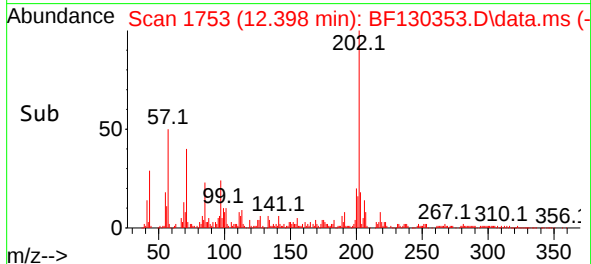
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:202 Resp: 76525
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 24.5 0.0 37.8

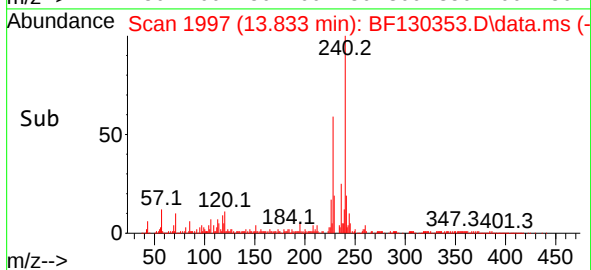
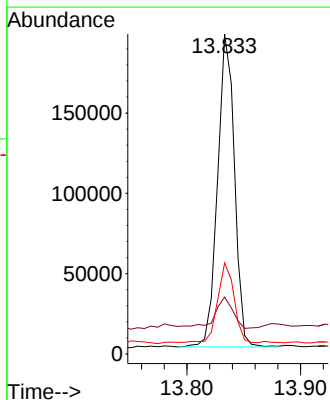
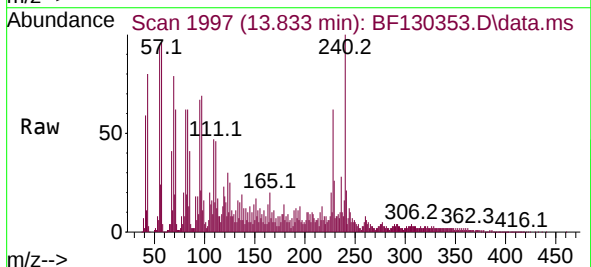
Manual Integrations
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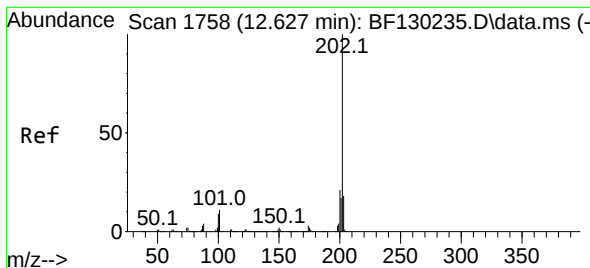
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.833 min Scan# 1997
Delta R.T. 0.029 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

Tgt Ion:240 Resp: 201705
Ion Ratio Lower Upper
240 100
120 17.7 8.7 13.1#
236 28.4 20.9 31.3





#78

Pyrene

Concen: 8.833 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF130353.D

Acq: 20 Sep 2022 20:02

Instrument :

BNA_F

ClientSampleId :

WC-17-4-3

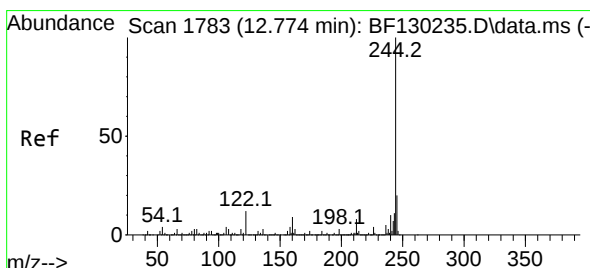
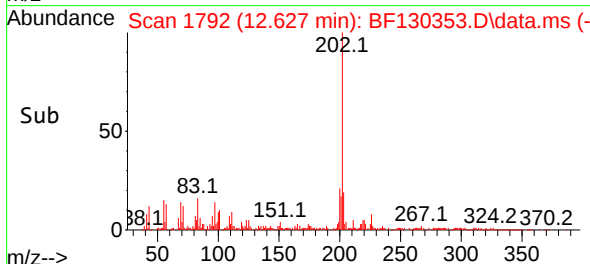
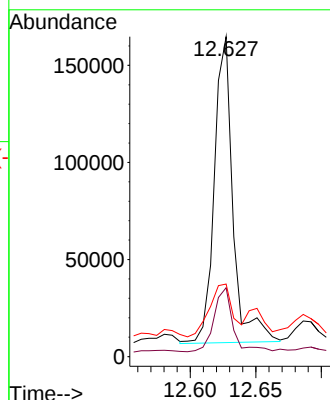
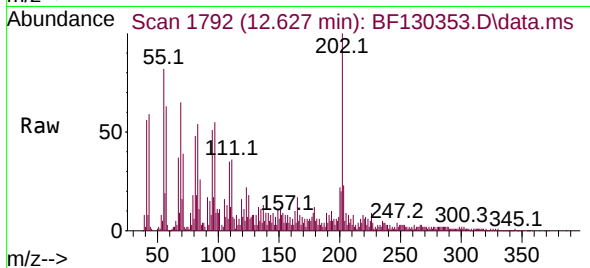
Tgt Ion:202 Resp: 155859
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.2 25.8
 203 22.7 14.3 21.5

Manual Integrations

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Reviewed By :Christian Giraldo 09/21/2022

Supervised By :Jagrut Upadhyay 09/21/2022



#79

Terphenyl-d14

Concen: 11.925 ng

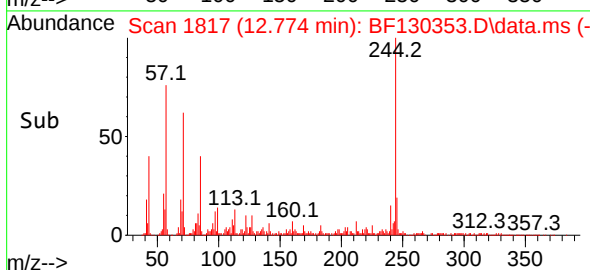
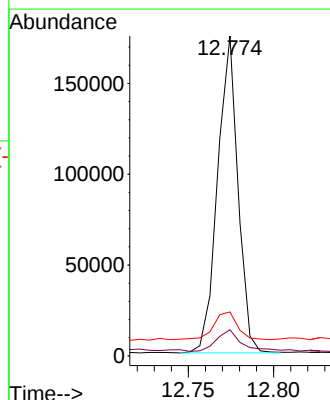
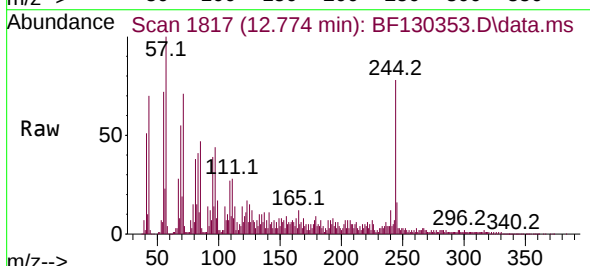
RT: 12.774 min Scan# 1817

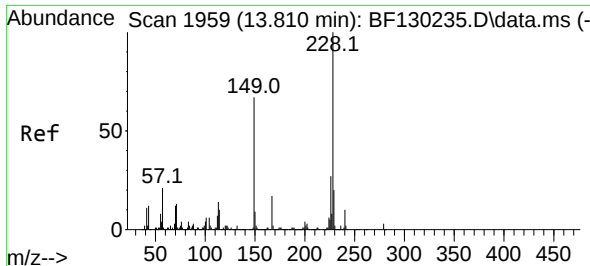
Delta R.T. 0.018 min

Lab File: BF130353.D

Acq: 20 Sep 2022 20:02

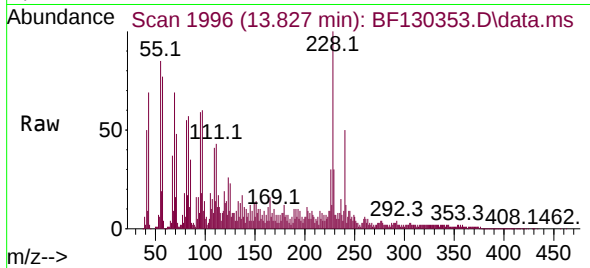
Tgt Ion:244 Resp: 145204
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 13.7 8.5 12.7





#81
Benzo(a)anthracene
Concen: 20.478 ng
RT: 13.827 min Scan# 1959
Delta R.T. 0.035 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

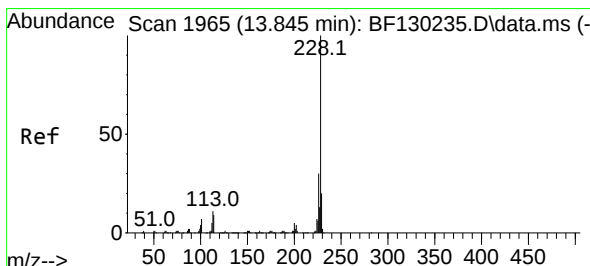
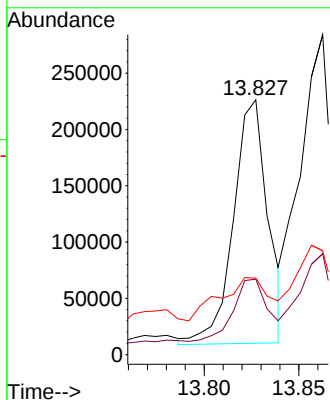
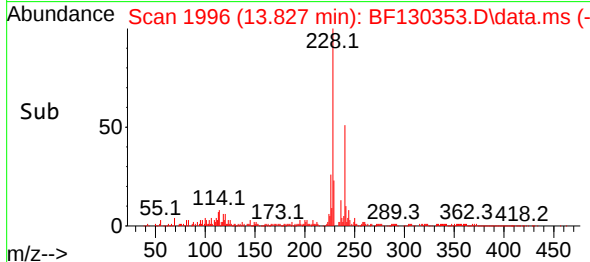
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



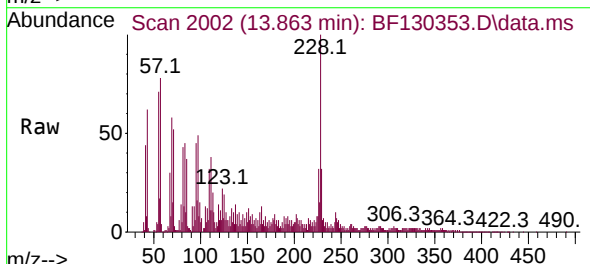
Tgt Ion:228 Resp: 274785
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 30.0 16.1 24.1

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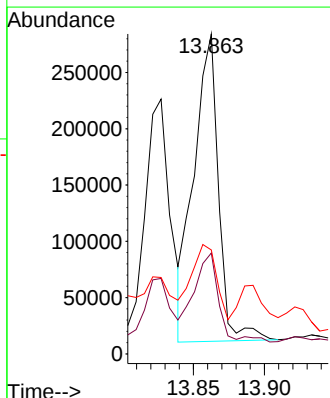
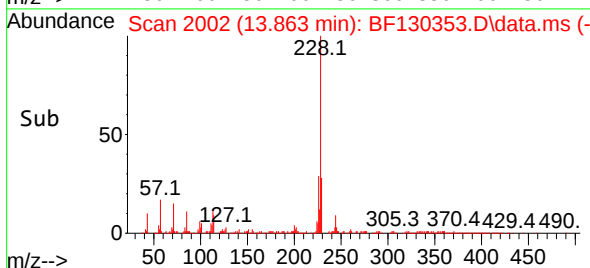
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

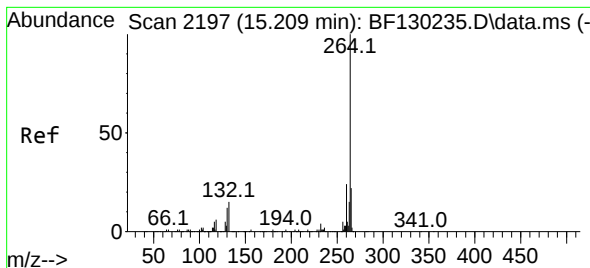


#83
Chrysene
Concen: 25.853 ng
RT: 13.863 min Scan# 2002
Delta R.T. 0.035 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02



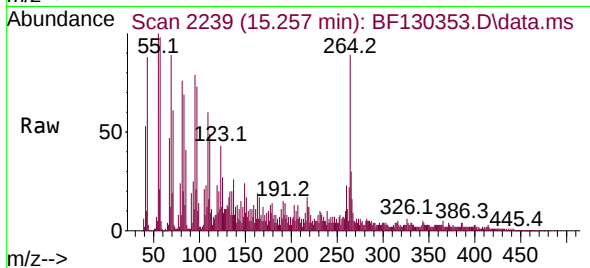
Tgt Ion:228 Resp: 329387
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 32.5 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.257 min Scan# 2197
Delta R.T. 0.071 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

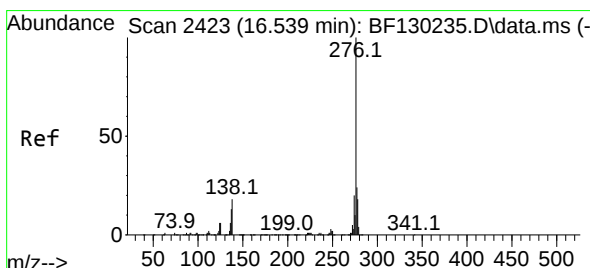
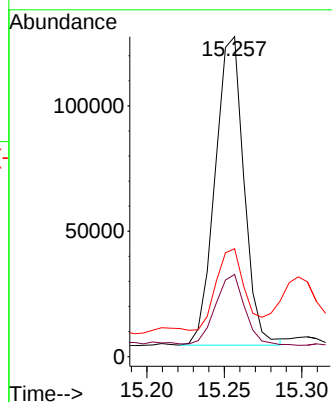
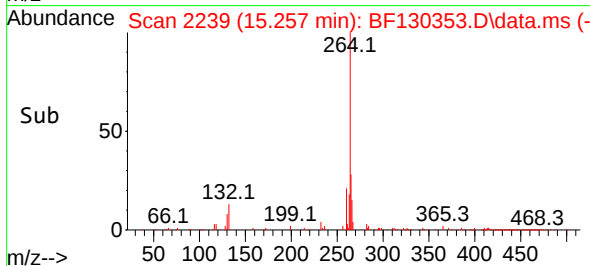
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:264 Resp: 159158
Ion Ratio Lower Upper
264 100
260 25.7 19.3 28.9
265 33.8 17.0 25.4

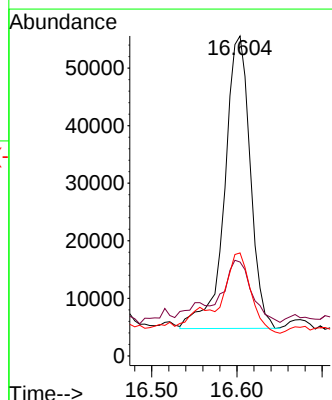
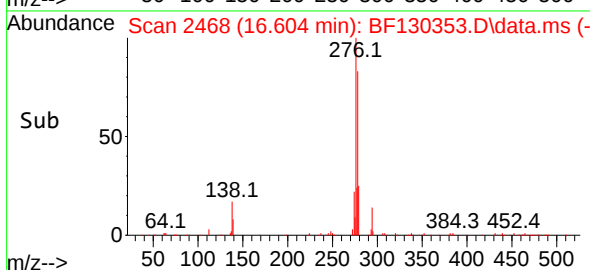
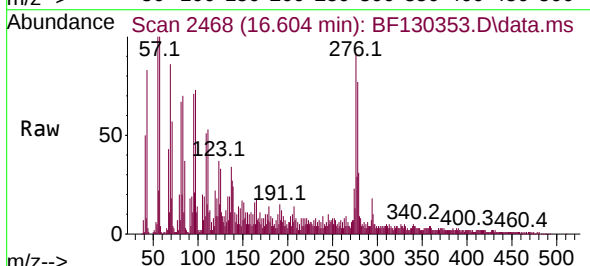
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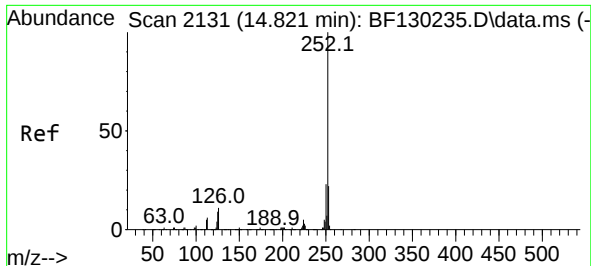
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.393 ng
RT: 16.604 min Scan# 2468
Delta R.T. 0.094 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

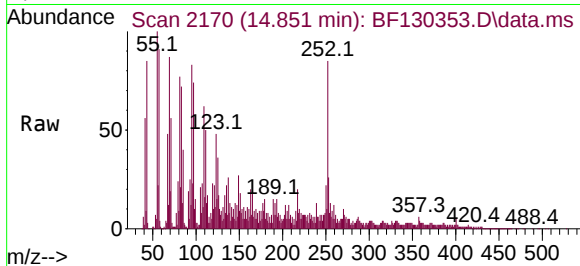
Tgt Ion:276 Resp: 106017
Ion Ratio Lower Upper
276 100
138 23.8 18.5 27.7
277 26.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 19.442 ng m
RT: 14.851 min Scan# 2117
Delta R.T. 0.053 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

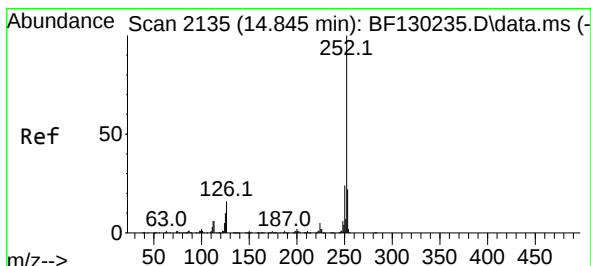
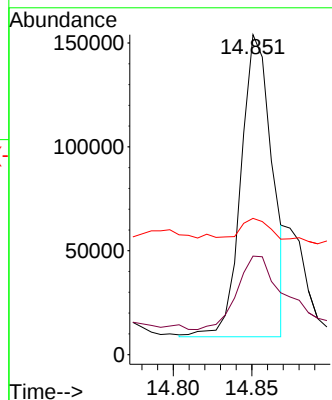
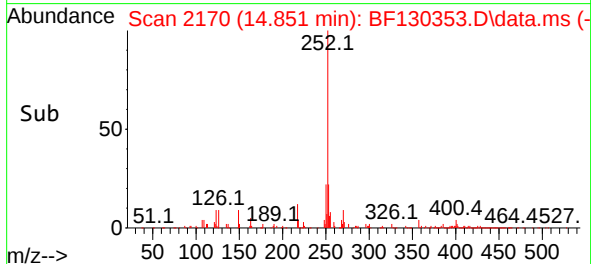
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3



Tgt Ion:252 Resp: 201969
Ion Ratio Lower Upper
252 100
253 30.8 17.7 26.5#
125 42.6 8.1 12.1#

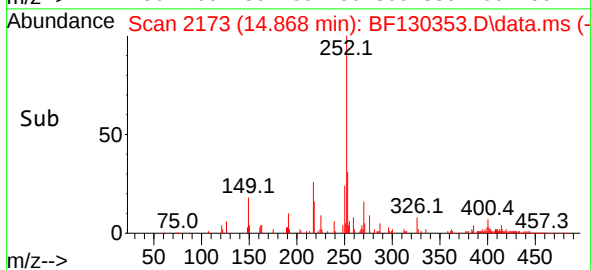
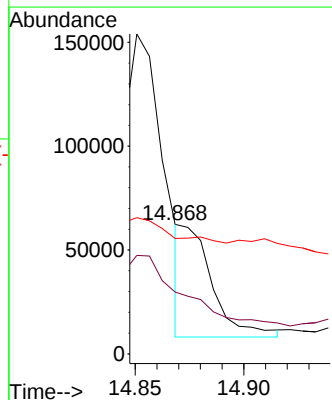
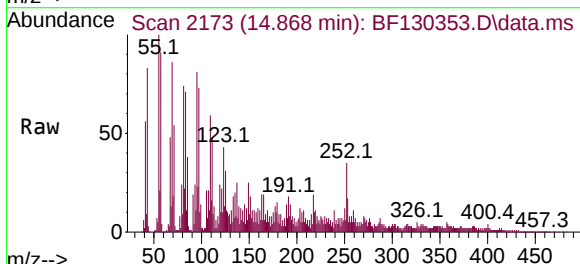
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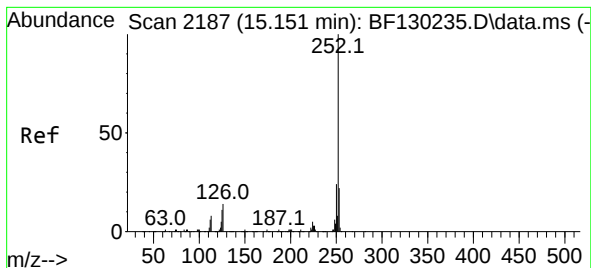
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022



#89
Benzo(k)fluoranthene
Concen: 5.111 ng m
RT: 14.868 min Scan# 2173
Delta R.T. 0.041 min
Lab File: BF130353.D
Acq: 20 Sep 2022 20:02

Tgt Ion:252 Resp: 52224
Ion Ratio Lower Upper
252 100
253 47.8 17.4 26.2#
125 89.2 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 30.316 ng

RT: 15.198 min Scan# 2187

Delta R.T. 0.065 min

Lab File: BF130353.D

Acq: 20 Sep 2022 20:02

Instrument :

BNA_F

ClientSampleId :

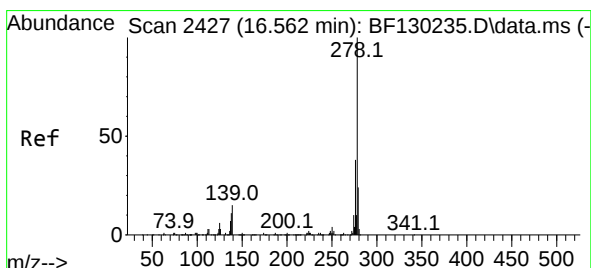
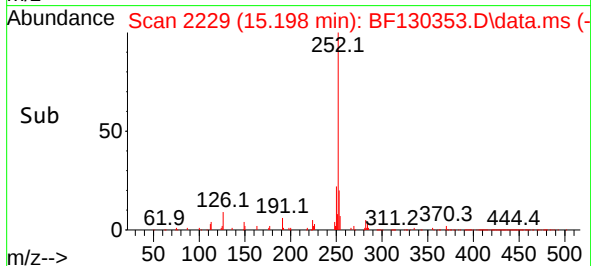
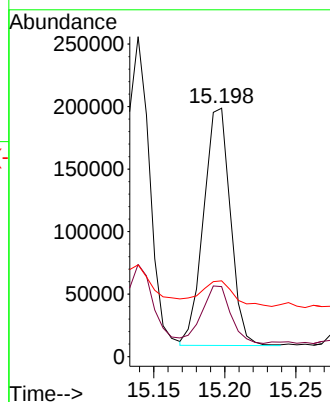
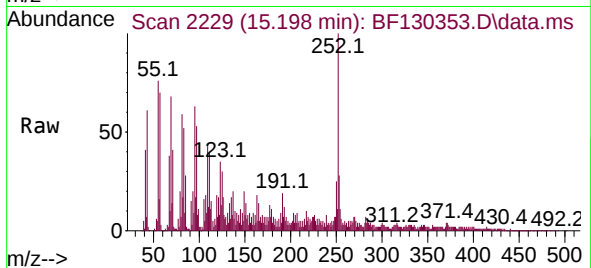
WC-17-4-3

Tgt Ion:252 Resp: 249494
 Ion Ratio Lower Upper
 252 100
 253 28.2 17.8 26.6
 125 30.5 9.0 13.6

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 10.316 ng

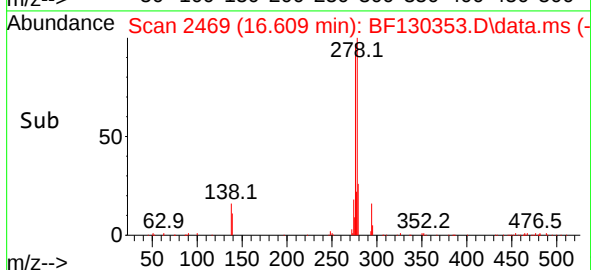
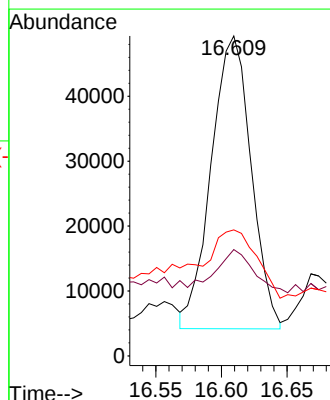
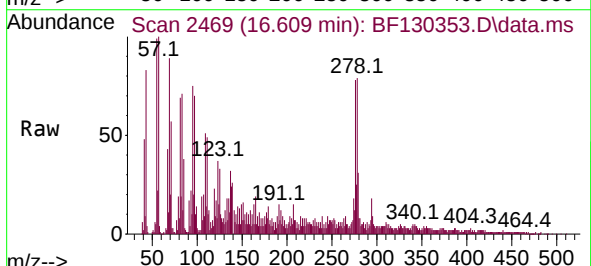
RT: 16.609 min Scan# 2469

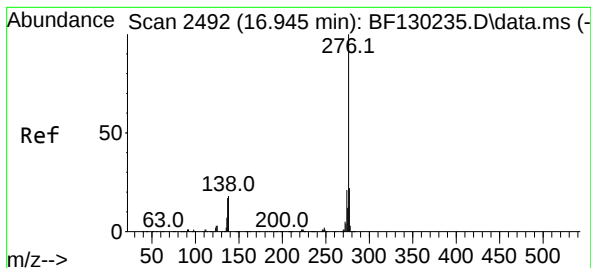
Delta R.T. 0.082 min

Lab File: BF130353.D

Acq: 20 Sep 2022 20:02

Tgt Ion:278 Resp: 95520
 Ion Ratio Lower Upper
 278 100
 139 33.2 11.8 17.8#
 279 39.4 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 18.869 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.100 min

Lab File: BF130353.D

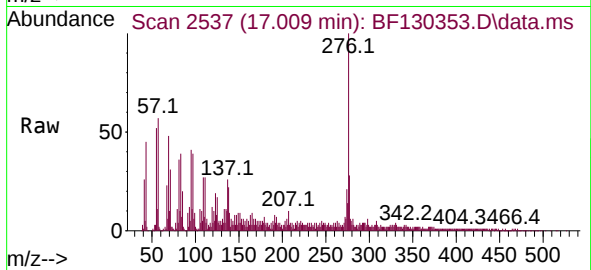
Acq: 20 Sep 2022 20:02

Instrument :

BNA_F

ClientSampleId :

WC-17-4-3



Tgt Ion:276 Resp: 17599

Ion Ratio Lower Upper

276 100

277 28.0 18.6 27.8

138 21.6 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/21/2022

Supervised By :Jagrut Upadhyay 09/21/2022

