

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128972.D
 Acq On : 24 Jun 2022 00:58
 Operator : CG\JU
 Sample : N3431-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 06:48:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	62747	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	199787	20.000	ng	# 0.02
39) Acenaphthene-d10	9.792	164	95459	20.000	ng	0.02
64) Phenanthrene-d10	11.286	188	127761	20.000	ng	# 0.04
76) Chrysene-d12	13.922	240	134559	20.000	ng	# 0.02
86) Perylene-d12	15.363	264	138818	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	331459	84.141	ng	0.00
7) Phenol-d6	6.387	99	342273	71.179	ng	0.00
23) Nitrobenzene-d5	7.298	82	284617m	66.327	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	55104	48.856	ng	0.03
45) 2-Fluorobiphenyl	9.104	172	338957	49.740	ng	0.01
79) Terphenyl-d14	12.869	244	311868	40.273	ng	0.03
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.745	142	22942	3.518	ng	86
38) 1-Methylnaphthalene	8.845	142	30348m	4.816	ng	
52) Acenaphthene	9.822	154	29181	5.356	ng	# 64
58) Fluorene	10.345	166	74946	12.341	ng	# 73
71) Phenanthrene	11.310	178	206787	32.269	ng	# 89
75) Fluoranthene	12.510	202	37177m	5.550	ng	
78) Pyrene	12.733	202	79676	7.959	ng	# 86
81) Benzo(a)anthracene	13.910	228	37416	4.461	ng	# 60
83) Chrysene	13.945	228	56438	7.058	ng	# 72
88) Benzo(b)fluoranthene	14.945	252	34064m	3.840	ng	
90) Benzo(a)pyrene	15.304	252	37130	5.326	ng	# 29
92) Benzo(g,h,i)perylene	17.204	276	25368	3.688	ng	98

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

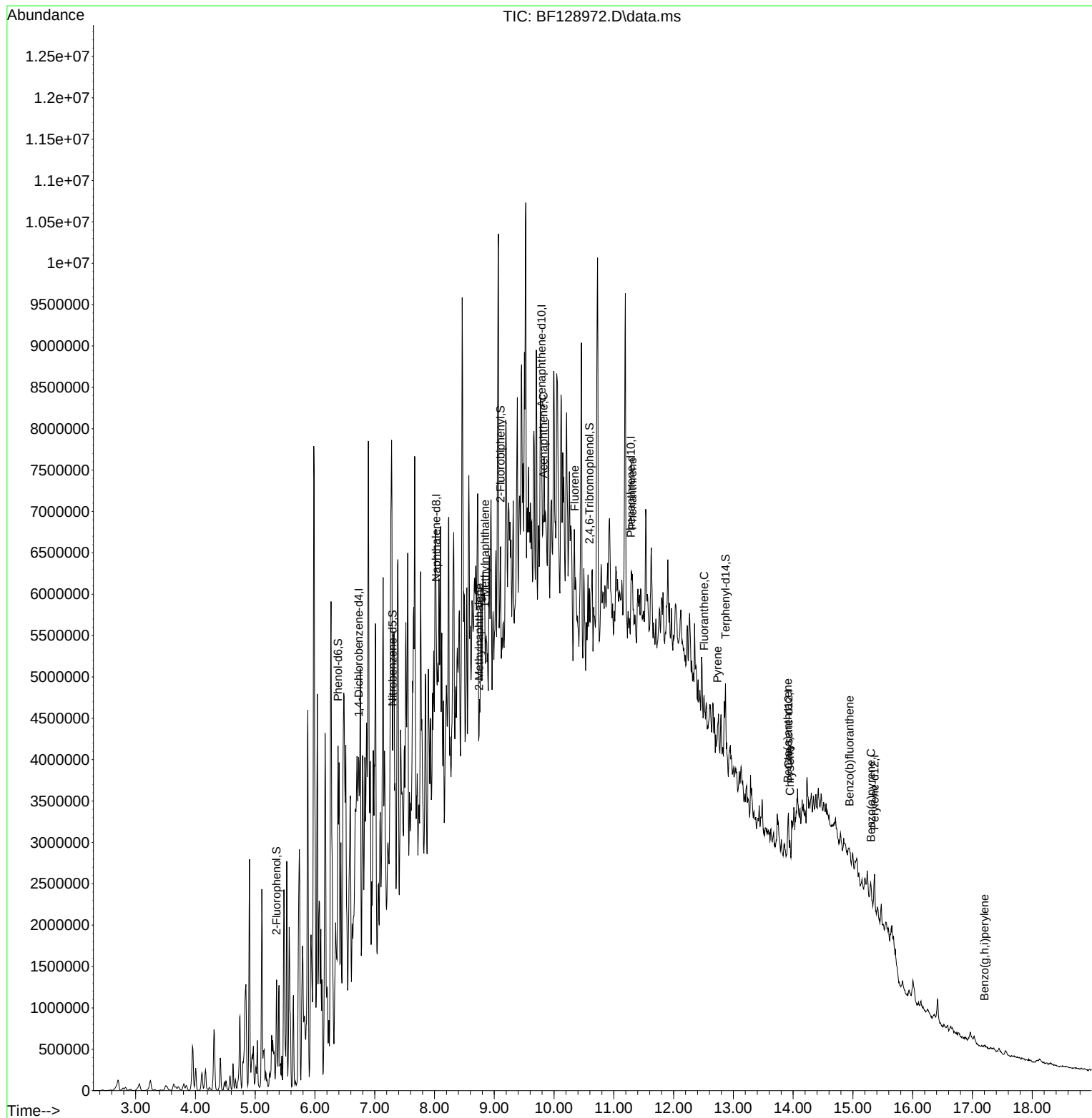
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128972.D
Acq On : 24 Jun 2022 00:58
Operator : CG\JU
Sample : N3431-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

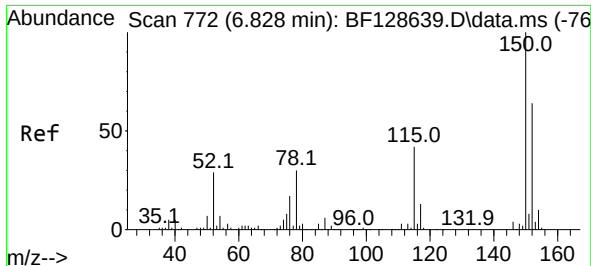
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2

Quant Time: Jun 24 06:48:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 00:50:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

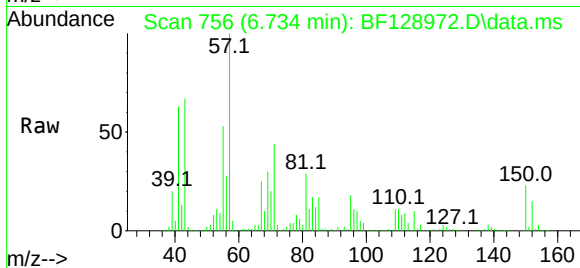
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

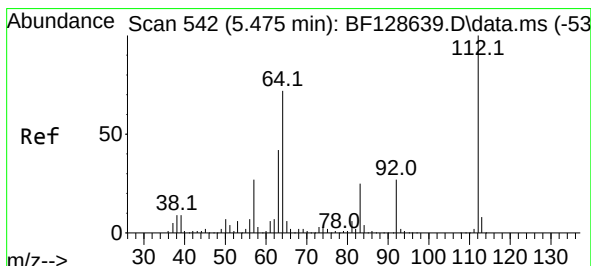
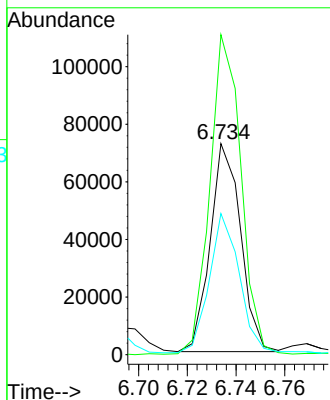
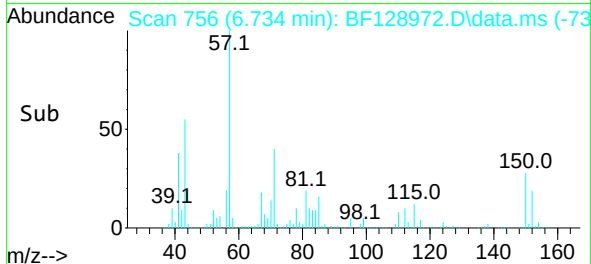
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



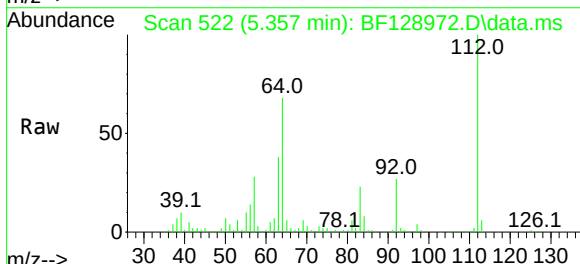
Tgt Ion:152 Resp: 6274
Ion Ratio Lower Upper
152 100
150 151.6 123.7 185.5
115 66.9 49.9 74.9

Manual Integrations
APPROVED

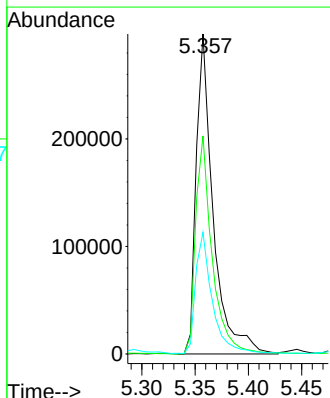
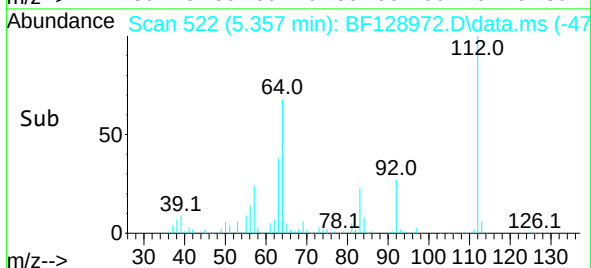
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

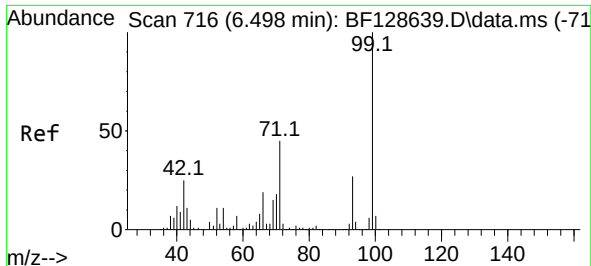


#5
2-Fluorophenol
Concen: 84.141 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



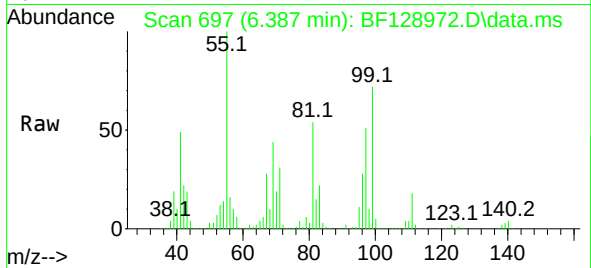
Tgt Ion:112 Resp: 331459
Ion Ratio Lower Upper
112 100
64 68.1 53.3 79.9
63 38.0 28.0 42.0





#7
Phenol-d6
Concen: 71.179 ng
RT: 6.387 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

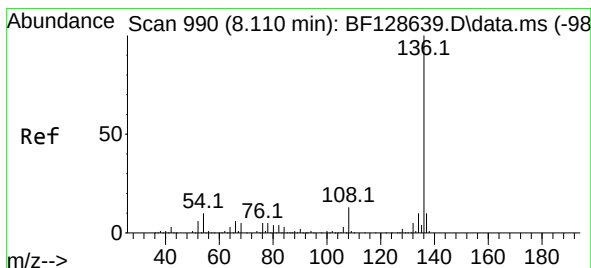
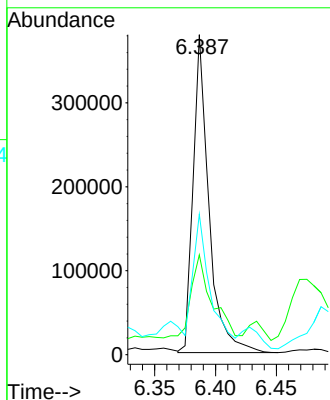
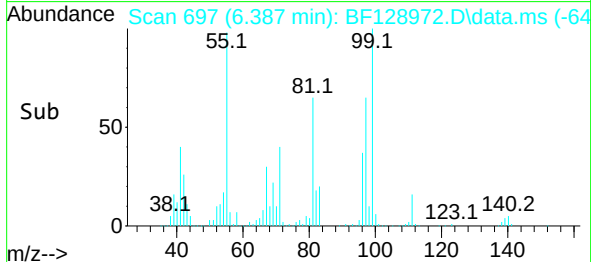
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



Tgt Ion: 99 Resp: 34227
Ion Ratio Lower Upper
99 100
42 31.2 17.3 25.9#
71 43.9 28.9 43.3#

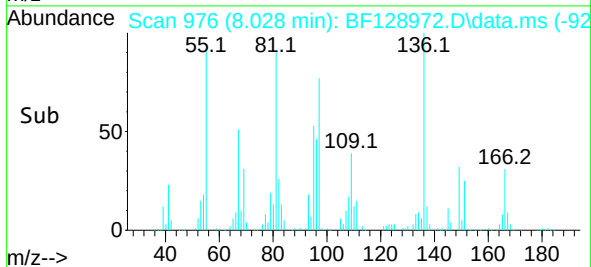
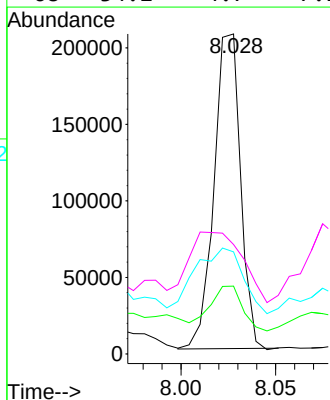
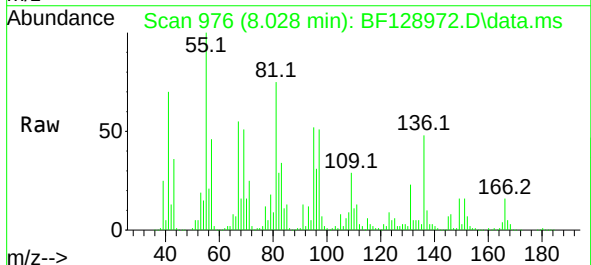
Manual Integrations
APPROVED

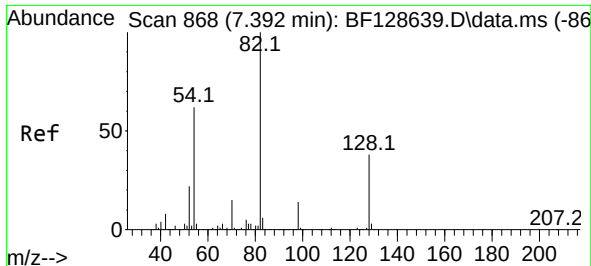
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. 0.018 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

Tgt Ion:136 Resp: 199787
Ion Ratio Lower Upper
136 100
137 21.2 8.8 13.2#
54 31.9 7.5 11.3#
68 34.2 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 66.327 ng m

RT: 7.298 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF128972.D

Acq: 24 Jun 2022 00:58

Instrument :

BNA_F

ClientSampleId :

WC-14B-2-2

Tgt Ion: 82 Resp: 28461

Ion Ratio Lower Upper

82 100

128 31.1 34.0 51.0

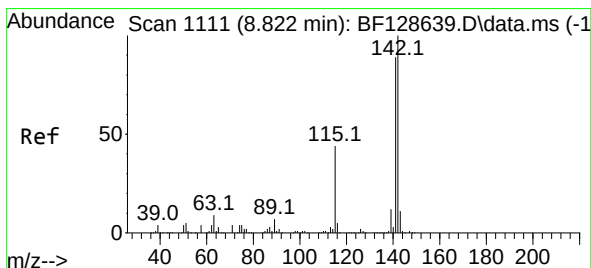
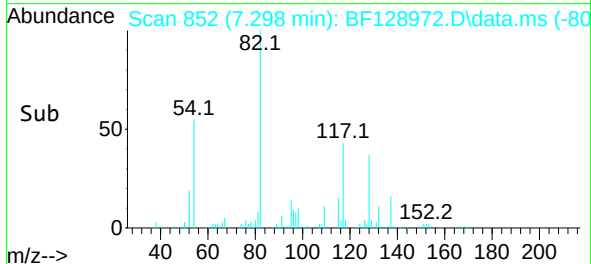
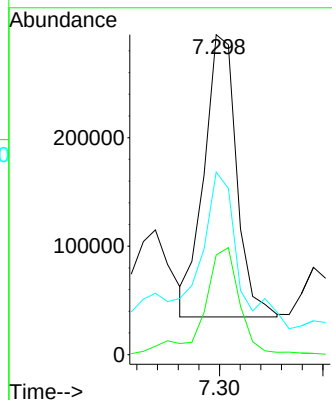
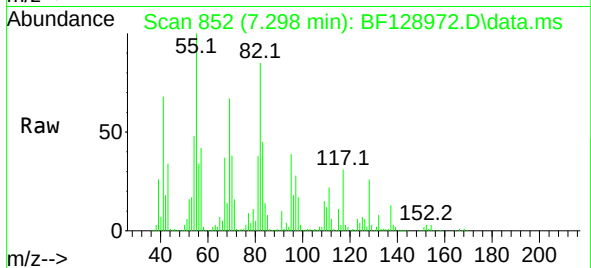
54 57.1 46.9 70.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#37

2-Methylnaphthalene

Concen: 3.518 ng

RT: 8.745 min Scan# 1098

Delta R.T. 0.018 min

Lab File: BF128972.D

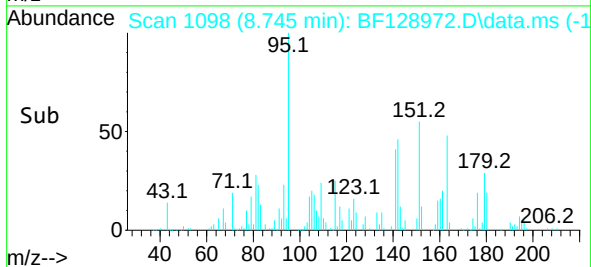
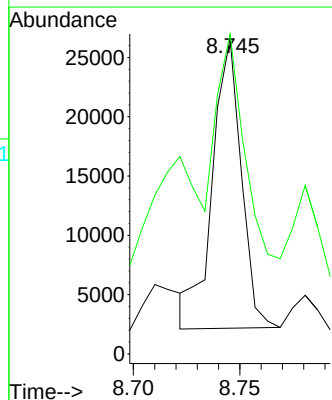
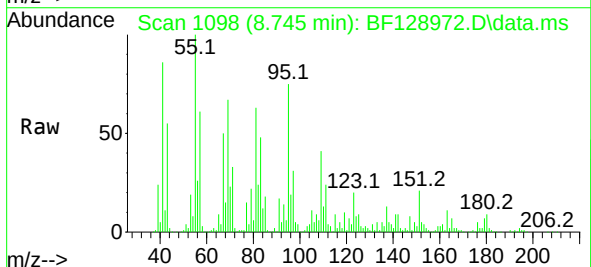
Acq: 24 Jun 2022 00:58

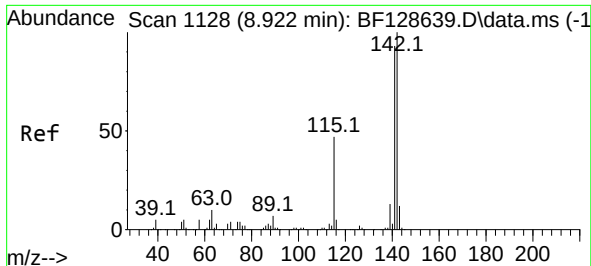
Tgt Ion:142 Resp: 22942

Ion Ratio Lower Upper

142 100

141 101.4 71.0 106.4





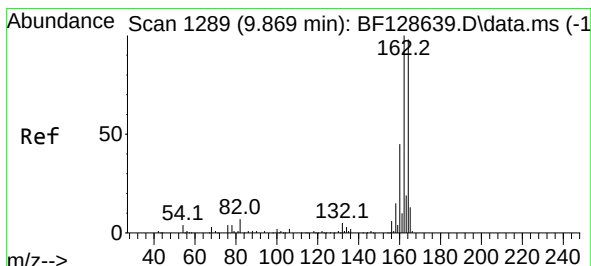
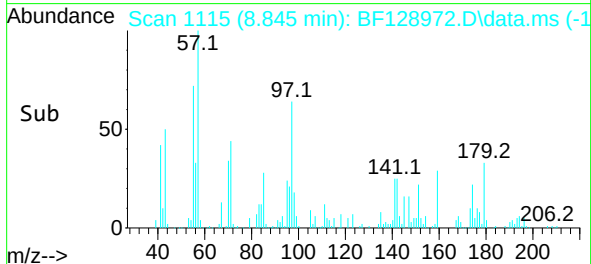
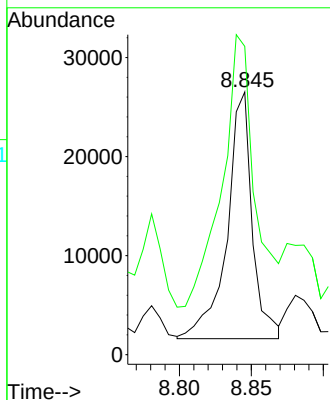
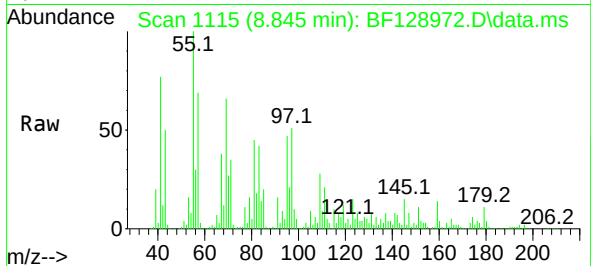
#38
1-Methylnaphthalene
Concen: 4.816 ng m
RT: 8.845 min Scan# 1115
Delta R.T. 0.024 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

Instrument :
BNA_F
ClientSampleId :
WC-14B-2

Tgt Ion:142 Resp: 30348
Ion Ratio Lower Upper
142 100
141 117.3 74.2 111.4

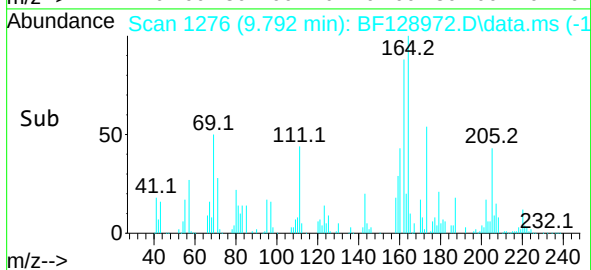
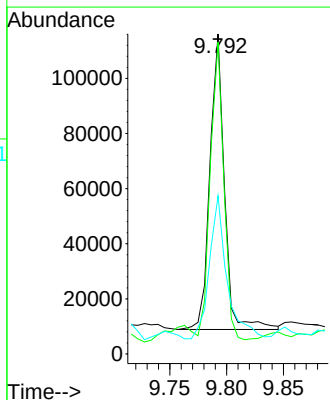
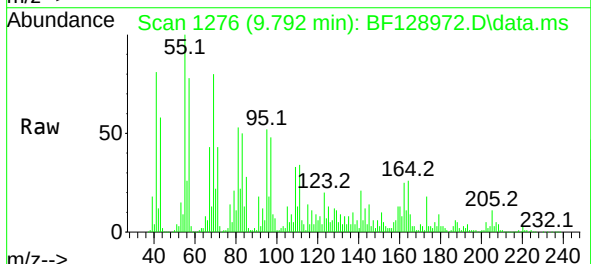
Manual Integrations
APPROVED

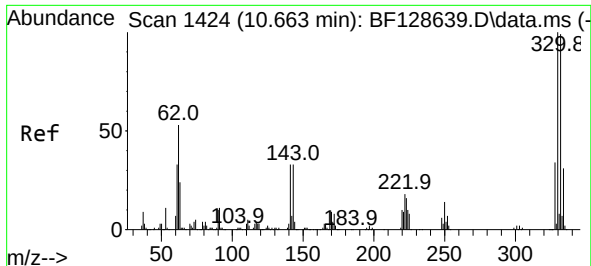
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.024 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

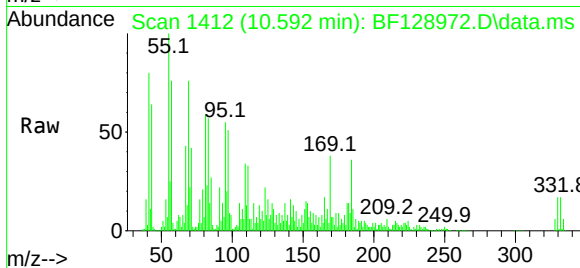
Tgt Ion:164 Resp: 95459
Ion Ratio Lower Upper
164 100
162 97.5 79.5 119.3
160 49.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 48.856 ng
RT: 10.592 min Scan# 1424
Delta R.T. 0.029 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

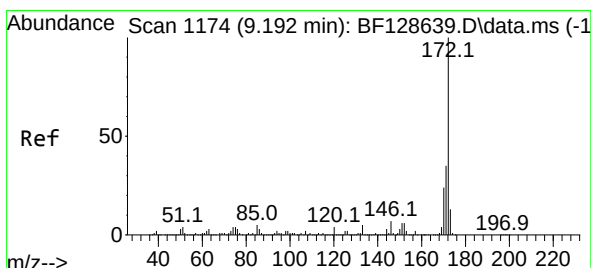
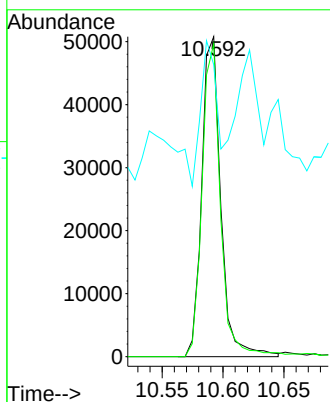
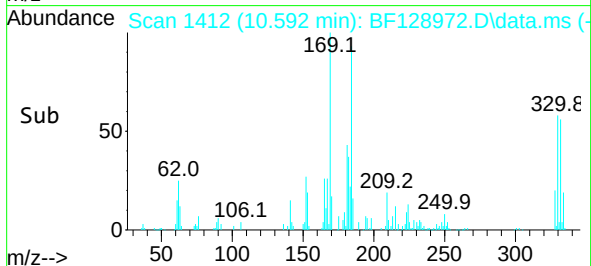
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



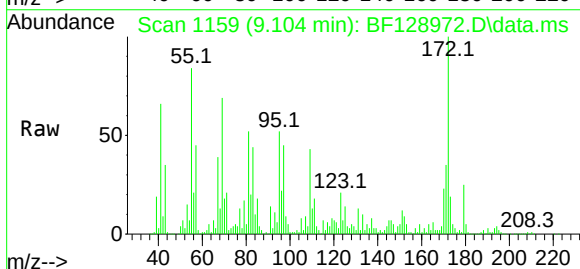
Tgt Ion: 330 Resp: 55104
Ion Ratio Lower Upper
330 100
332 95.4 76.8 115.2
141 42.2 28.0 42.0

Manual Integrations
APPROVED

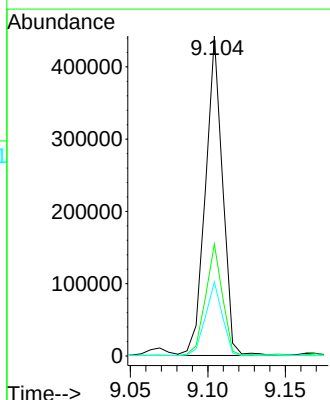
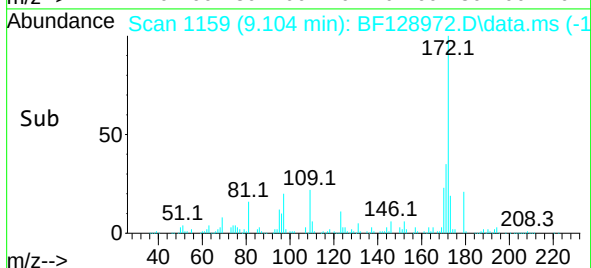
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022

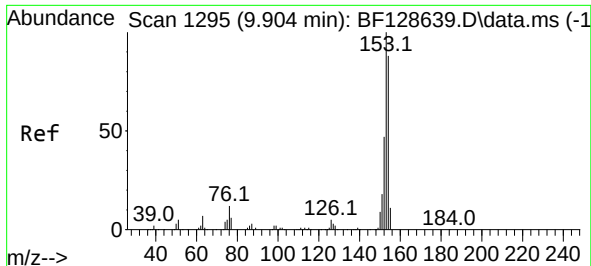


#45
2-Fluorobiphenyl
Concen: 49.740 ng
RT: 9.104 min Scan# 1159
Delta R.T. 0.012 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



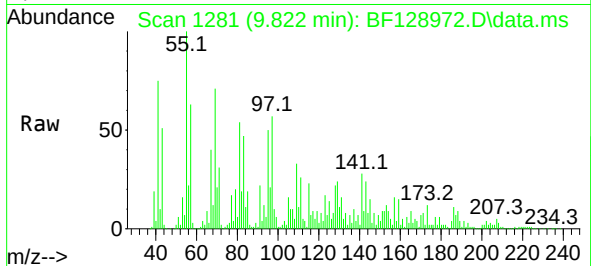
Tgt Ion: 172 Resp: 338957
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.2 19.8 29.8





#52
Acenaphthene
Concen: 5.356 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

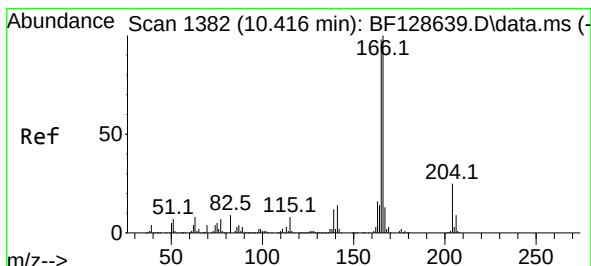
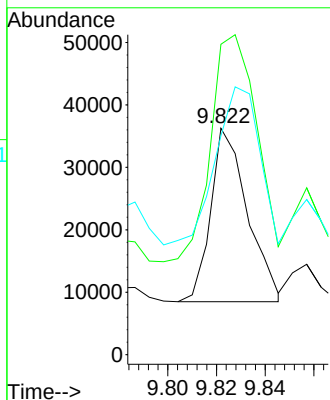
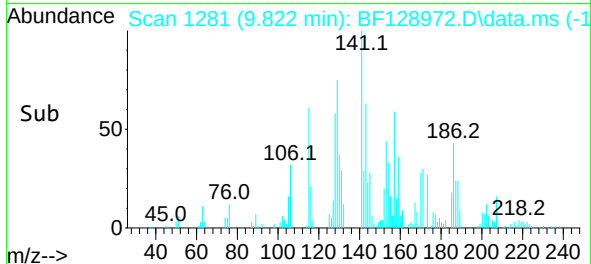
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



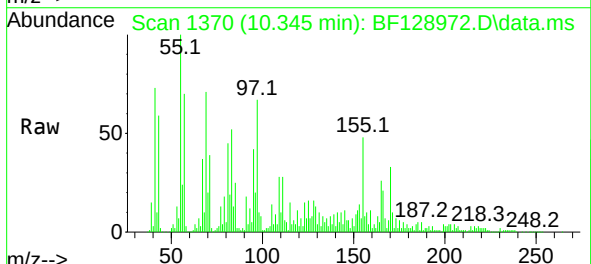
Tgt Ion:154 Resp: 2918
Ion Ratio Lower Upper
154 100
153 137.1 89.6 134.4
152 96.7 42.4 63.6

Manual Integrations
APPROVED

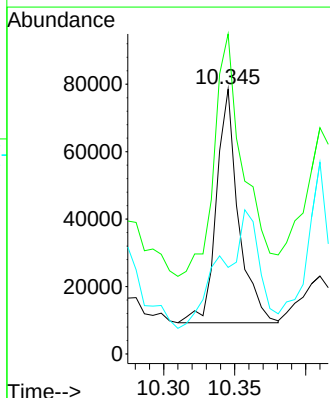
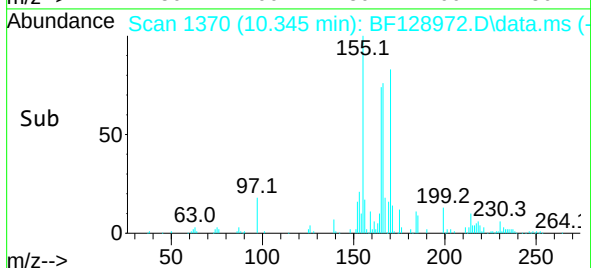
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

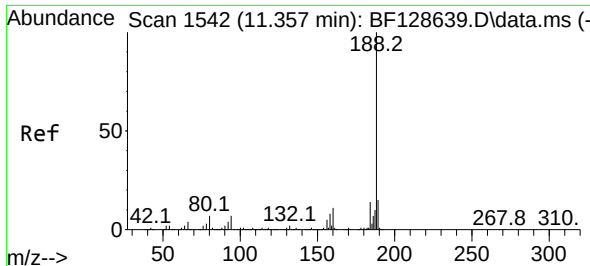


#58
Fluorene
Concen: 12.341 ng
RT: 10.345 min Scan# 1370
Delta R.T. 0.029 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



Tgt Ion:166 Resp: 74946
Ion Ratio Lower Upper
166 100
165 120.8 78.1 117.1#
167 32.7 10.5 15.7#





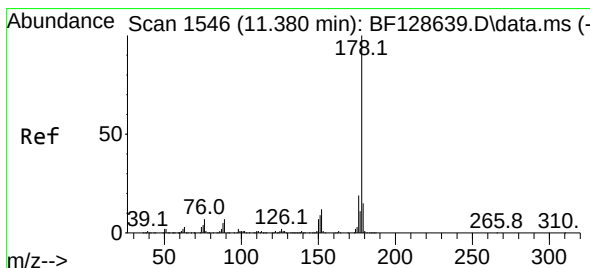
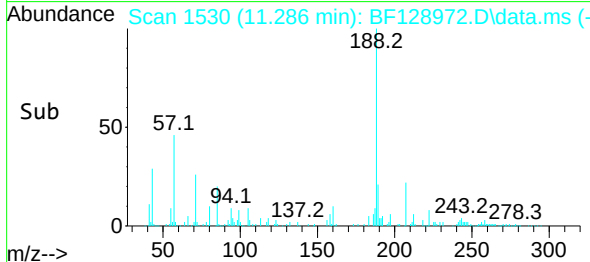
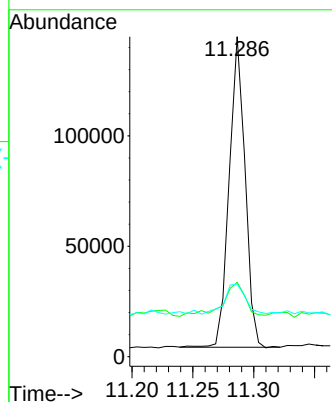
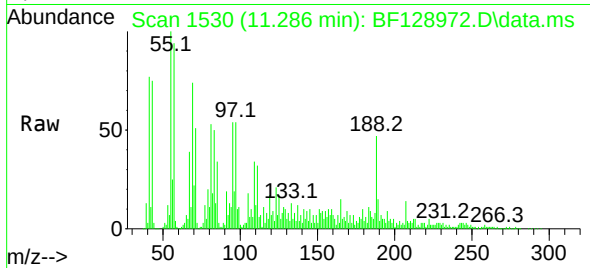
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2

Tgt Ion:188 Resp: 12776
Ion Ratio Lower Upper
188 100
94 23.3 7.0 10.6
80 22.7 7.6 11.4

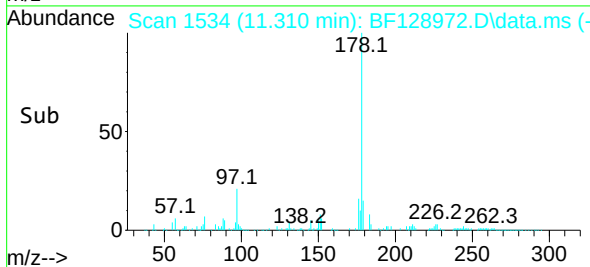
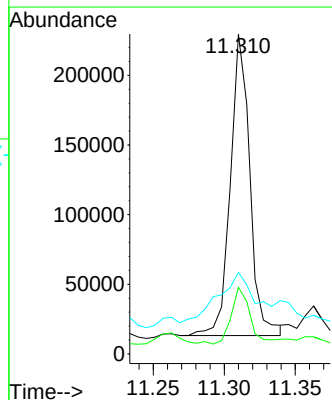
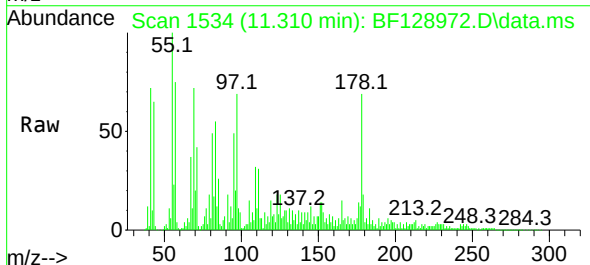
Manual Integrations
APPROVED

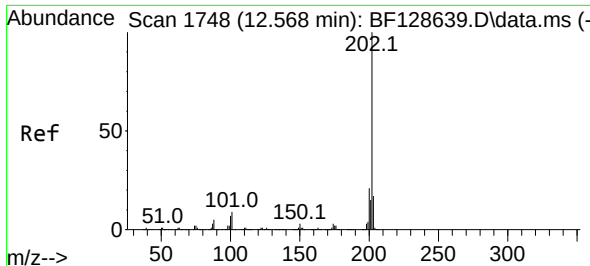
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#71
Phenanthrene
Concen: 32.269 ng
RT: 11.310 min Scan# 1534
Delta R.T. 0.029 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

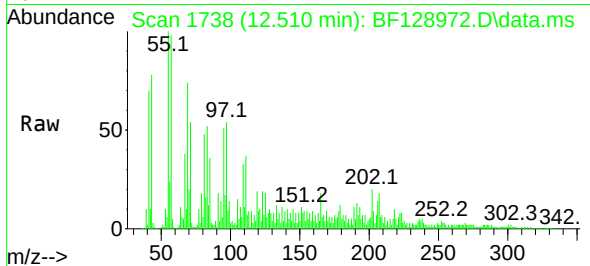
Tgt Ion:178 Resp: 206787
Ion Ratio Lower Upper
178 100
176 20.8 16.0 24.0
179 25.5 12.6 19.0





#75
Fluoranthene
Concen: 5.550 ng m
RT: 12.510 min Scan# 1738
Delta R.T. 0.041 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

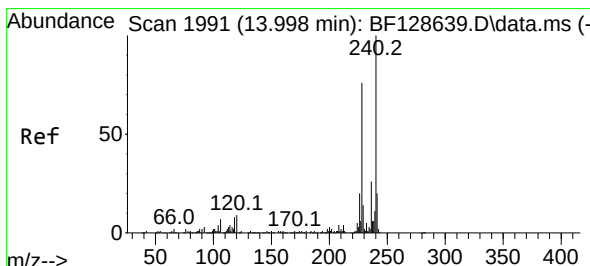
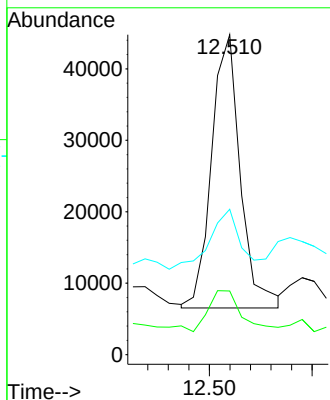
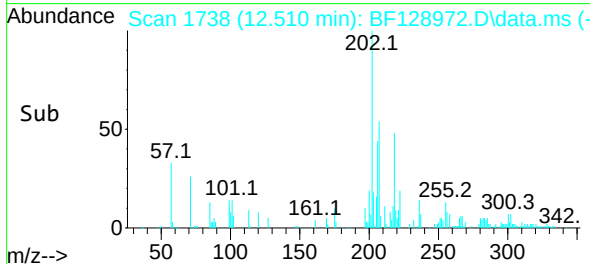
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



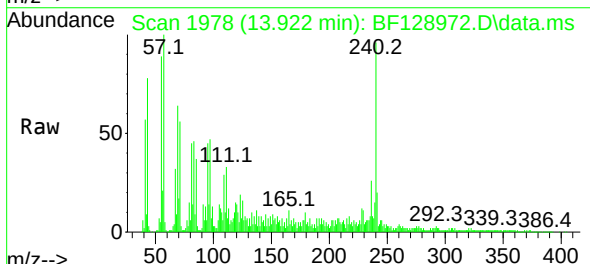
Tgt Ion:202 Resp: 3717
Ion Ratio Lower Upper
202 100
101 19.9 0.0 31.4
203 45.4 0.0 38.0

Manual Integrations
APPROVED

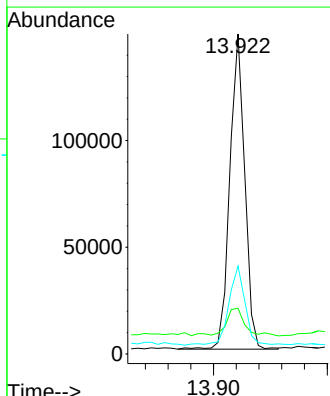
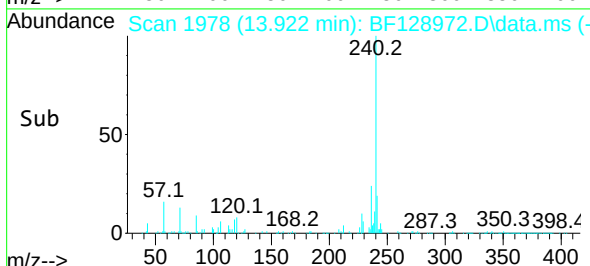
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

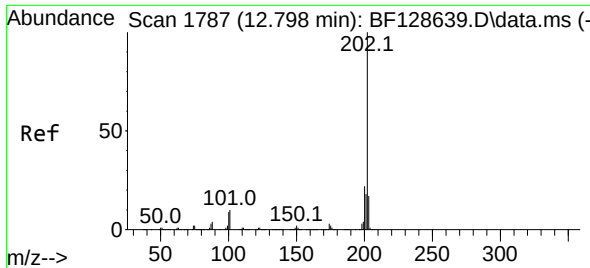


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.922 min Scan# 1978
Delta R.T. 0.024 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



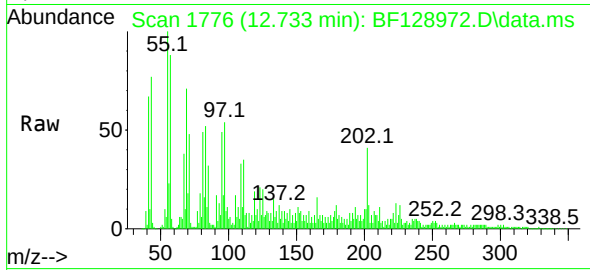
Tgt Ion:240 Resp: 134559
Ion Ratio Lower Upper
240 100
120 14.2 8.9 13.3#
236 27.5 20.8 31.2





#78
Pyrene
Concen: 7.959 ng
RT: 12.733 min Scan# 1776
Delta R.T. 0.035 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

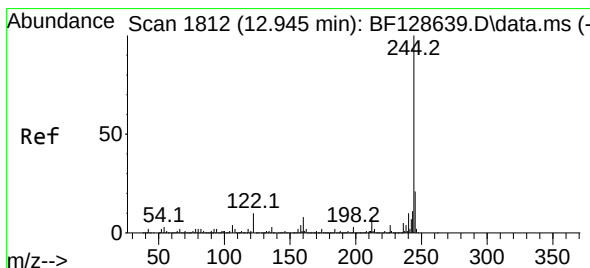
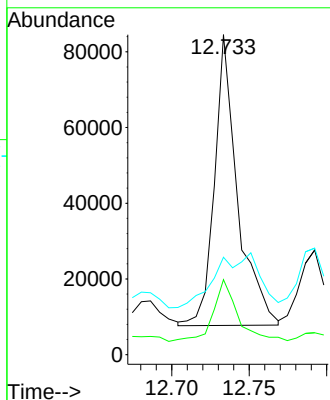
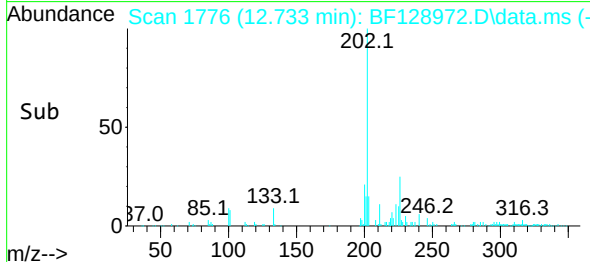
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



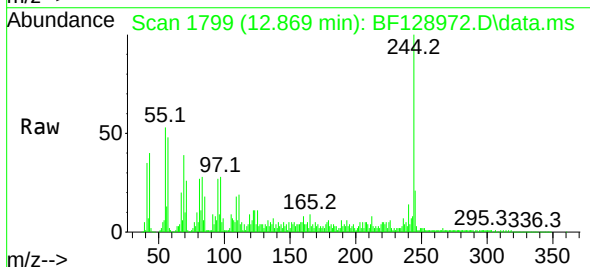
Tgt Ion:202 Resp: 79670
Ion Ratio Lower Upper
202 100
200 23.4 17.7 26.5
203 30.5 14.6 21.8

Manual Integrations
APPROVED

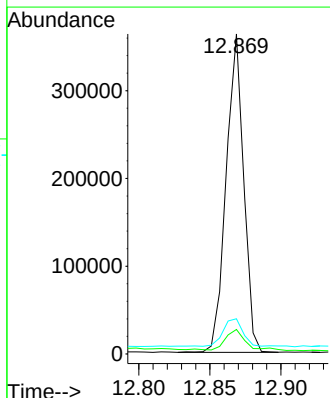
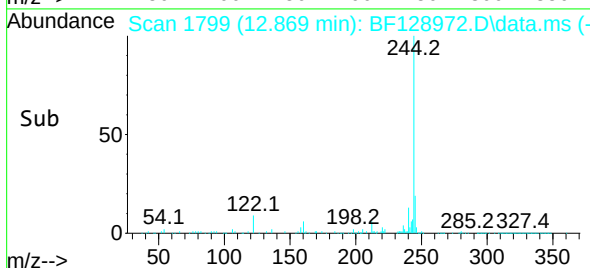
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

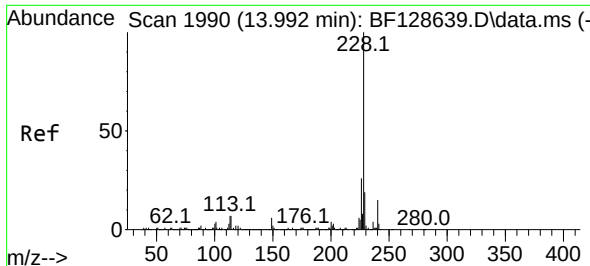


#79
Terphenyl-d14
Concen: 40.273 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.029 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



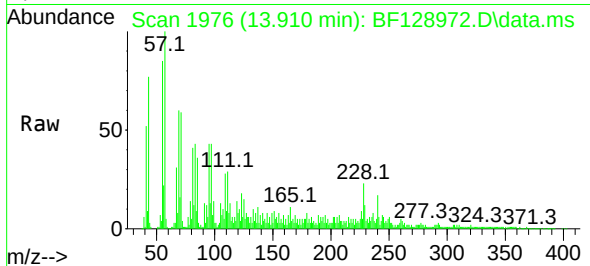
Tgt Ion:244 Resp: 311868
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 11.0 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.461 ng
RT: 13.910 min Scan# 1990
Delta R.T. 0.024 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

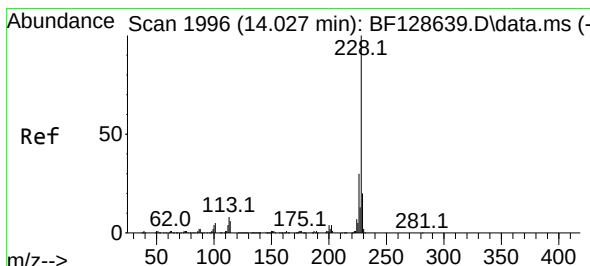
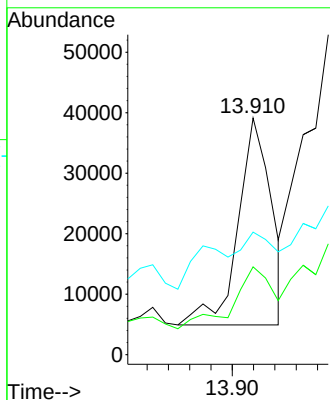
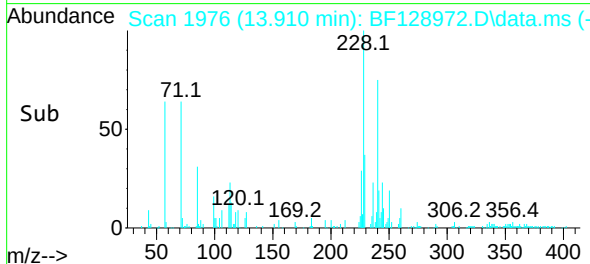
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



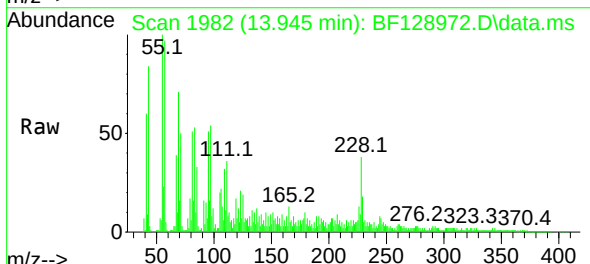
Tgt Ion:228 Resp: 37410
Ion Ratio Lower Upper
228 100
226 37.1 22.1 33.1
229 51.8 15.8 23.8

Manual Integrations
APPROVED

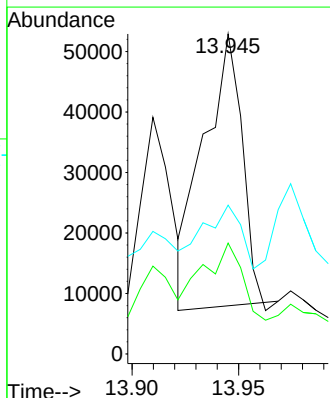
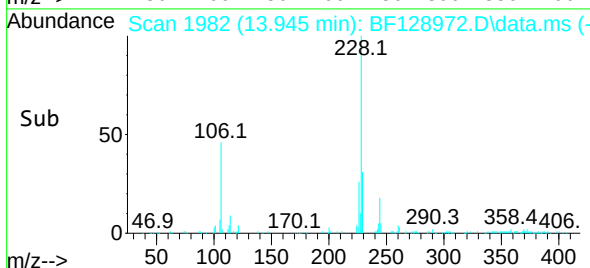
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

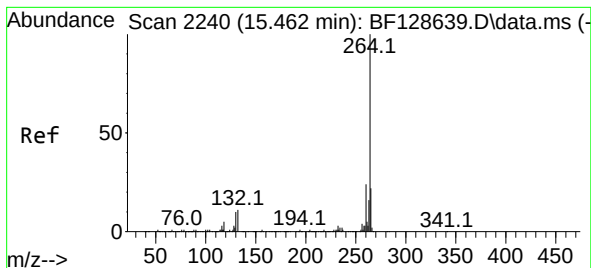


#83
Chrysene
Concen: 7.058 ng
RT: 13.945 min Scan# 1982
Delta R.T. 0.018 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



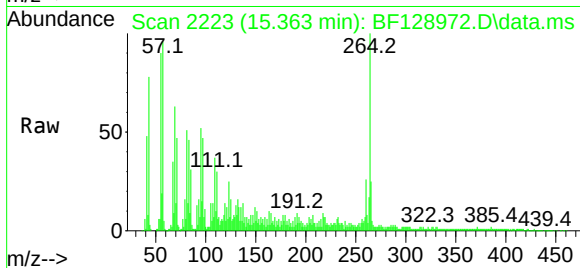
Tgt Ion:228 Resp: 56438
Ion Ratio Lower Upper
228 100
226 34.6 24.3 36.5
229 46.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.363 min Scan# 2118
Delta R.T. 0.035 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58

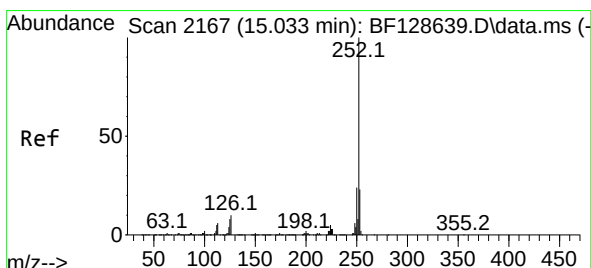
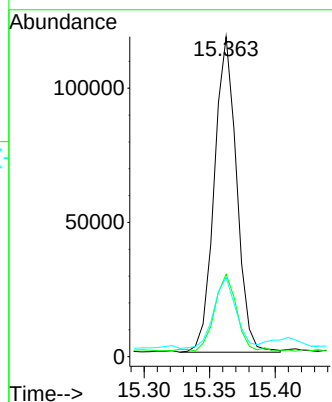
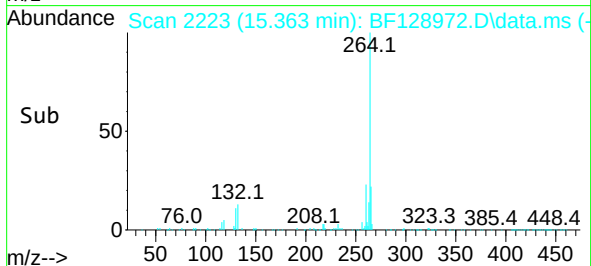
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-2



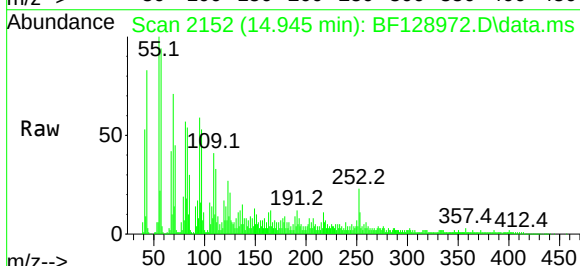
Tgt Ion:264 Resp: 138818
Ion Ratio Lower Upper
264 100
260 25.7 18.4 27.6
265 24.7 17.2 25.8

Manual Integrations
APPROVED

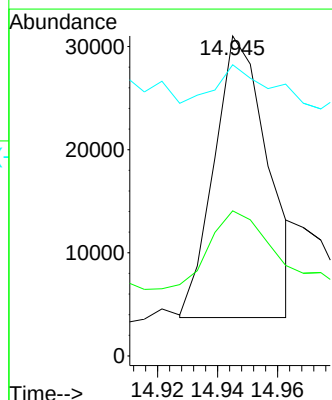
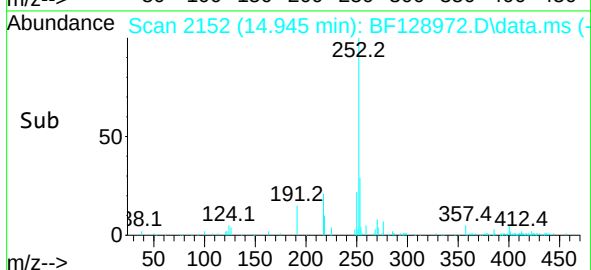
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

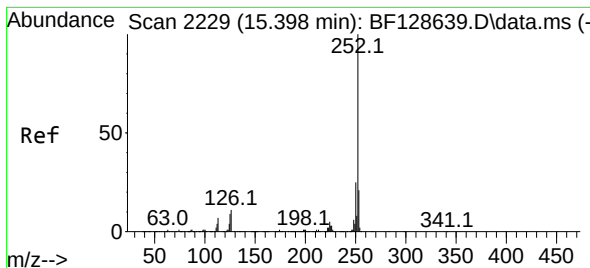


#88
Benzo(b)fluoranthene
Concen: 3.840 ng m
RT: 14.945 min Scan# 2152
Delta R.T. 0.024 min
Lab File: BF128972.D
Acq: 24 Jun 2022 00:58



Tgt Ion:252 Resp: 34064
Ion Ratio Lower Upper
252 100
253 45.4 17.7 26.5#
125 91.0 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.326 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF128972.D

Acq: 24 Jun 2022 00:58

Instrument :

BNA_F

ClientSampleId :

WC-14B-2-2

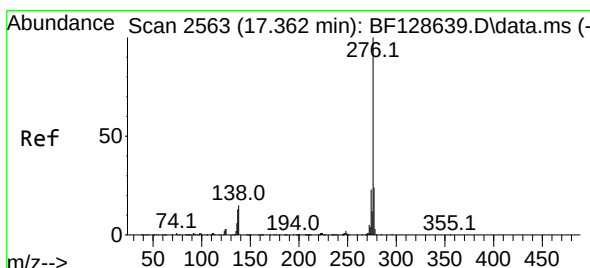
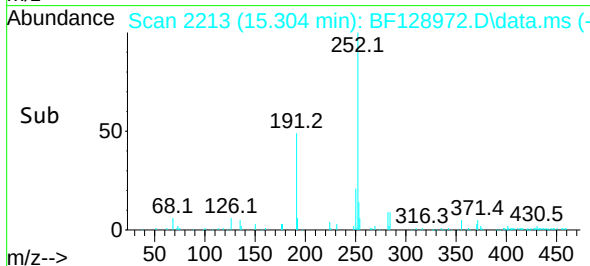
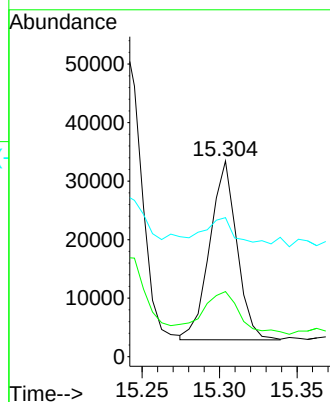
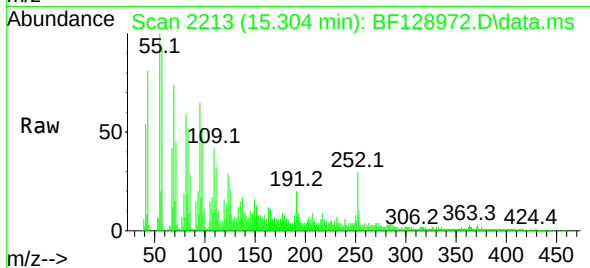
Tgt Ion:	252	Resp:	37130
Ion Ratio	Lower	Upper	
252	100		
253	33.3	17.0	25.6
125	71.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#92

Benzo(g,h,i)perylene

Concen: 3.688 ng

RT: 17.204 min Scan# 2536

Delta R.T. 0.035 min

Lab File: BF128972.D

Acq: 24 Jun 2022 00:58

Tgt Ion:	276	Resp:	25368
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	22.5	18.0	27.0

