

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128796.D
 Acq On : 13 Jun 2022 21:16
 Operator : CG\JU
 Sample : N3304-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/14/2022
 Supervised By : Jagrut Upadhyay 06/14/2022

Quant Time: Jun 14 01:57:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	75914	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	252090	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	118210	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	197151	20.000	ng	0.01
76) Chrysene-d12	14.021	240	134343	20.000	ng	# 0.04
86) Perylene-d12	15.510	264	109202	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	89928	18.869	ng	0.00
7) Phenol-d6	6.469	99	107730	18.518	ng	-0.01
23) Nitrobenzene-d5	7.369	82	85780	15.843	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	21521	15.408	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	125612	14.885	ng	0.00
79) Terphenyl-d14	12.945	244	122141	15.798	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.116	128	54020	4.175	ng	# 77
37) 2-Methylnaphthalene	8.816	142	79689	9.684	ng	97
38) 1-Methylnaphthalene	8.910	142	63319	7.964	ng	100
58) Fluorene	10.404	166	34395	4.574	ng	# 75
71) Phenanthrene	11.375	178	109047	11.027	ng	# 93
75) Fluoranthene	12.574	202	30755m	2.975	ng	
78) Pyrene	12.804	202	113766	11.382	ng	# 91
81) Benzo(a)anthracene	14.010	228	96681	11.545	ng	# 74
83) Chrysene	14.045	228	156480	19.600	ng	# 79
88) Benzo(b)fluoranthene	15.074	252	38611m	5.533	ng	
90) Benzo(a)pyrene	15.445	252	39963m	7.287	ng	
92) Benzo(g,h,i)perylene	17.433	276	18624	3.442	ng	# 57

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

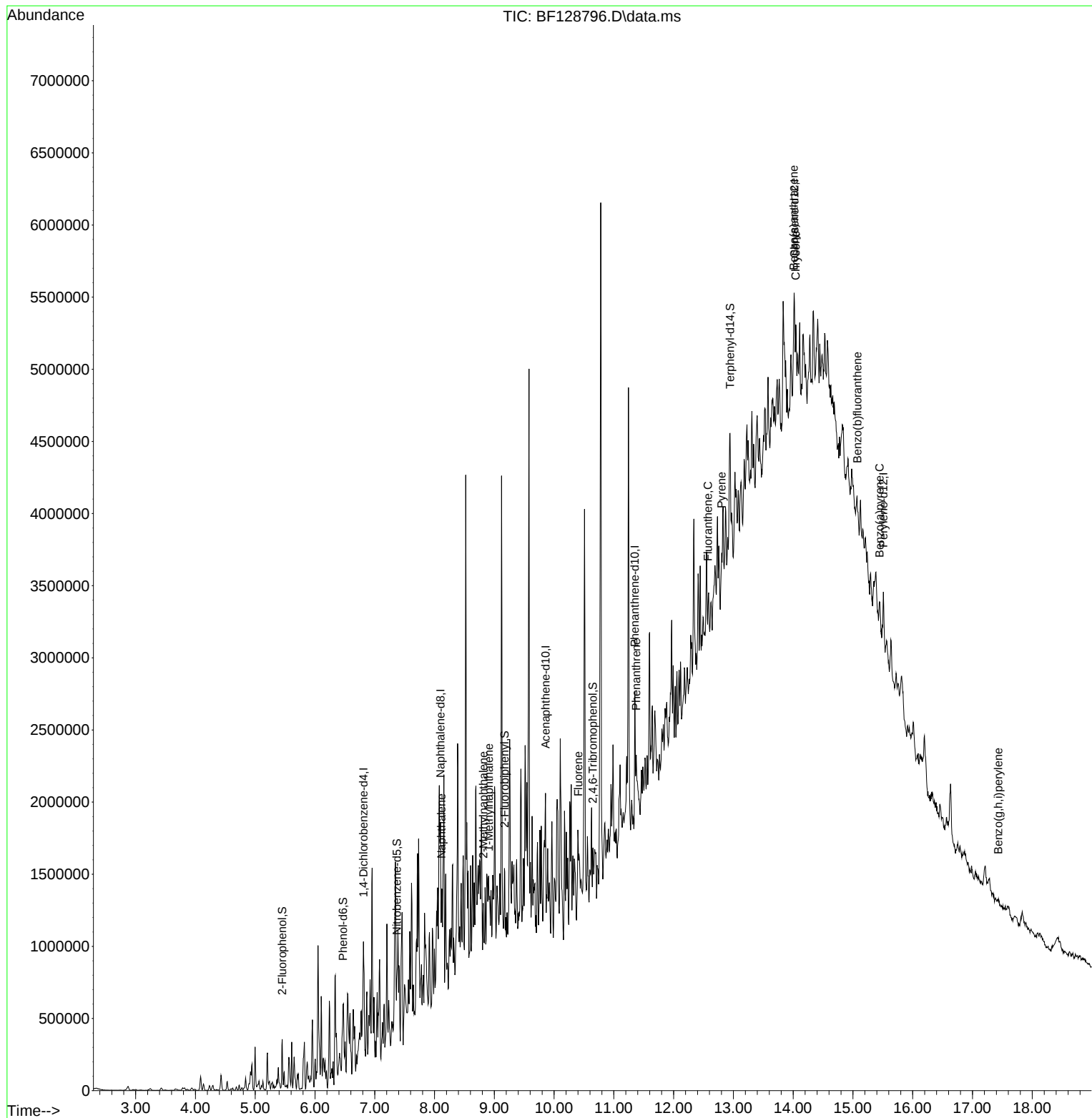
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
Data File : BF128796.D
Acq On : 13 Jun 2022 21:16
Operator : CG\JU
Sample : N3304-03 5X
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ALS Vial : 22 Sample Multiplier: 1

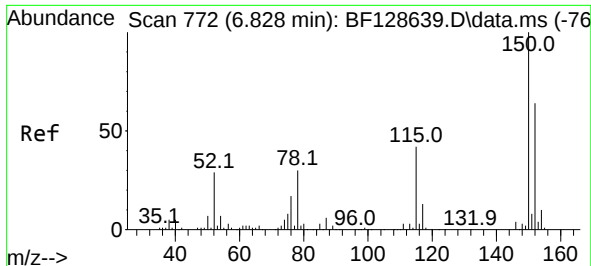
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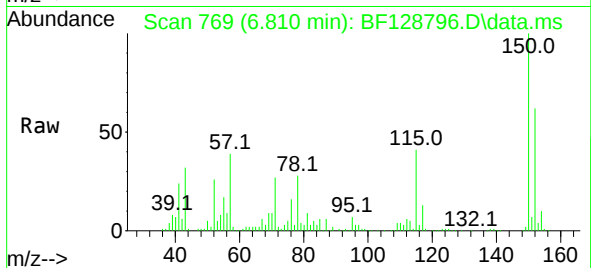
Quant Time: Jun 14 01:57:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

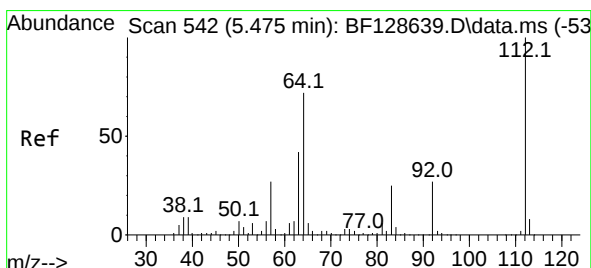
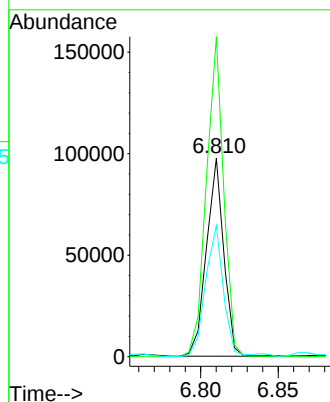
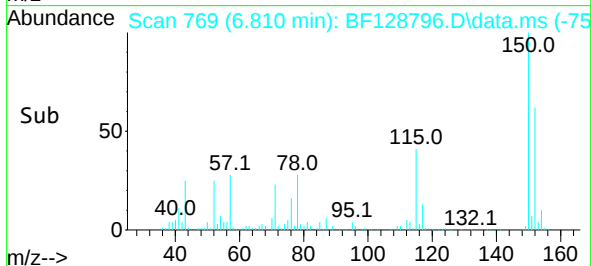
Instrument :
BNA_F
ClientSampleId :
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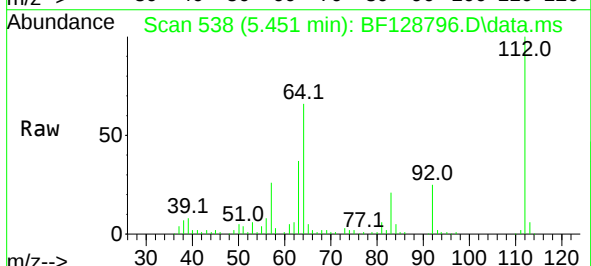
Tgt Ion:152 Resp: 75914
Ion Ratio Lower Upper
152 100
150 161.1 123.7 185.5
115 66.0 49.9 74.9

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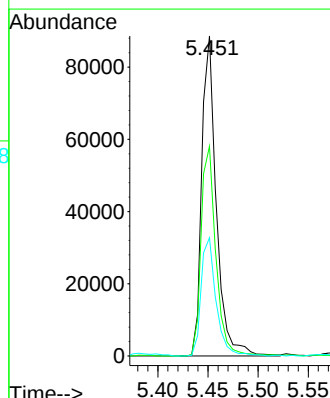
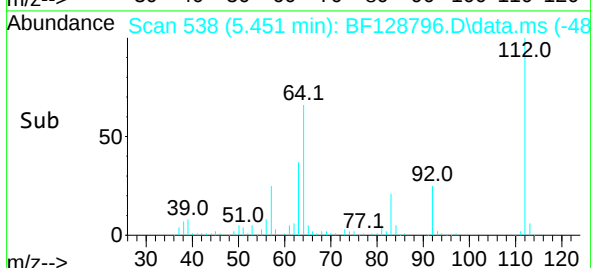
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

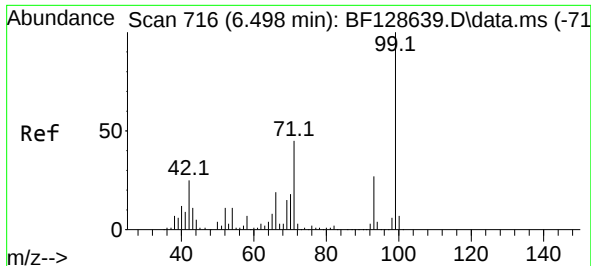


#5
2-Fluorophenol
Concen: 18.869 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16



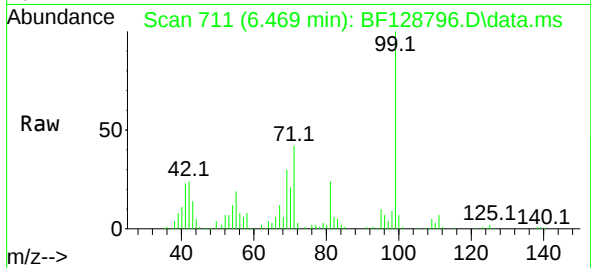
Tgt Ion:112 Resp: 89928
Ion Ratio Lower Upper
112 100
64 65.5 53.3 79.9
63 37.0 28.0 42.0





#7
Phenol-d6
Concen: 18.518 ng
RT: 6.469 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

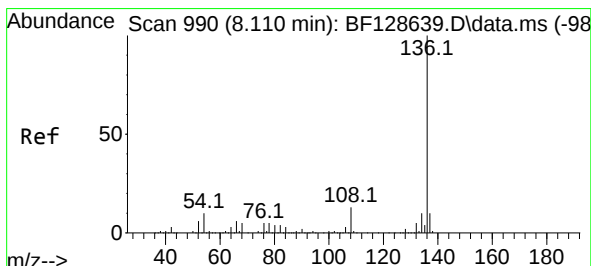
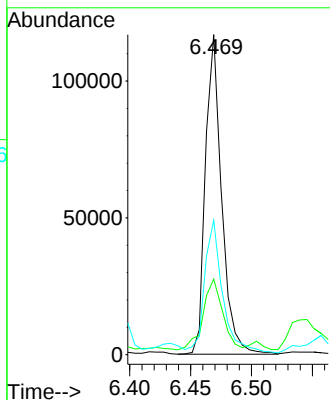
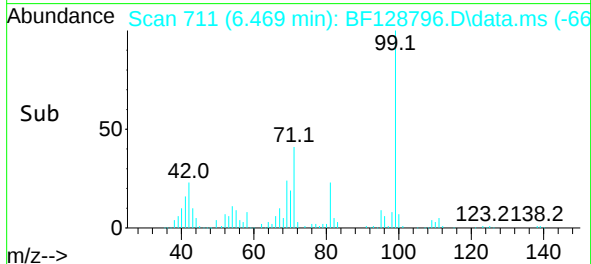
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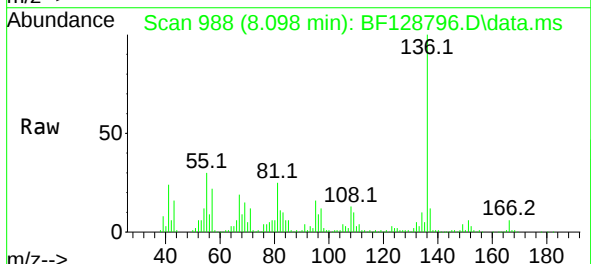
Tgt Ion: 99 Resp: 107730
Ion Ratio Lower Upper
99 100
42 23.6 17.3 25.9
71 42.0 28.9 43.3

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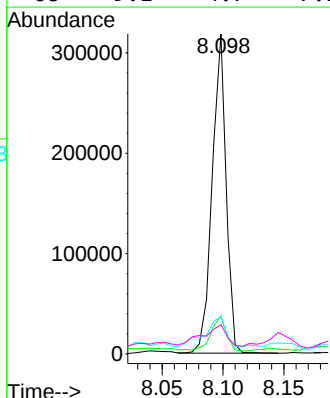
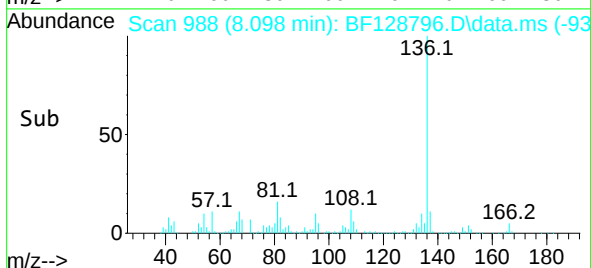
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

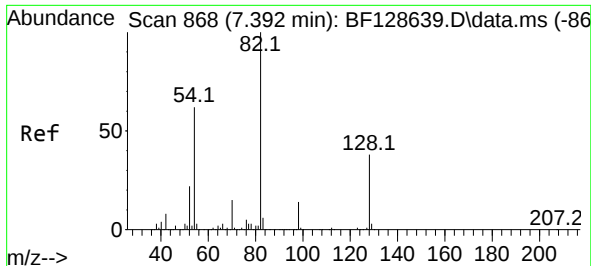


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16



Tgt Ion:136 Resp: 252090
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 11.7 7.5 11.3#
68 9.1 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 15.843 ng

RT: 7.369 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

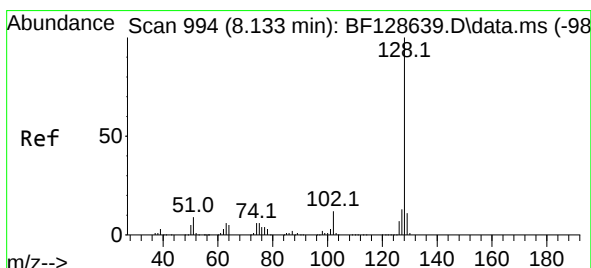
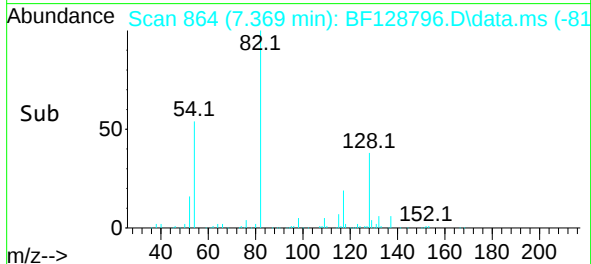
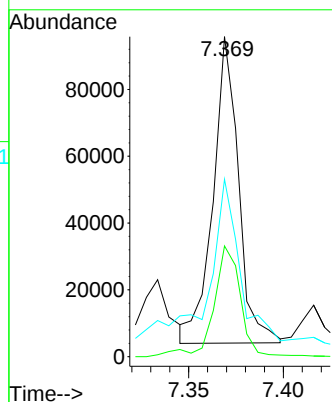
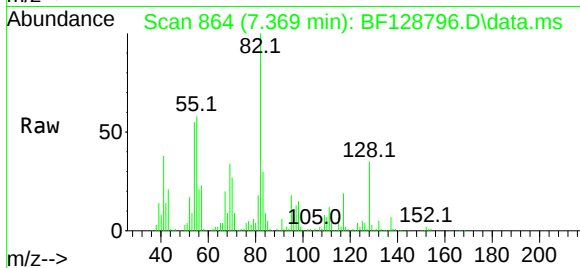
WC-14A-1A-9

Tgt Ion: 82 Resp: 85780

Ion	Ratio	Lower	Upper
82	100		
128	34.6	34.0	51.0
54	55.5	46.9	70.3

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#31

Naphthalene

Concen: 4.175 ng

RT: 8.116 min Scan# 991

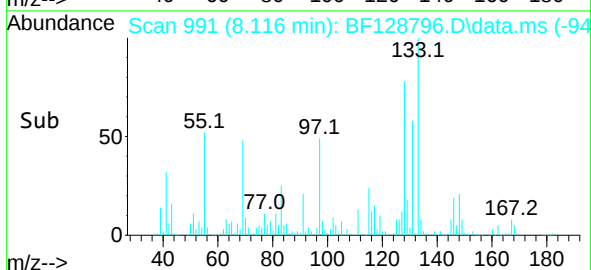
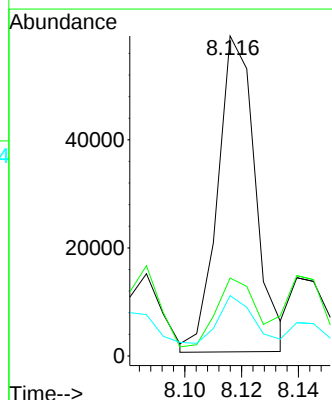
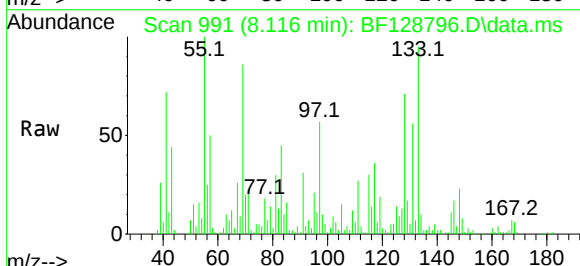
Delta R.T. -0.006 min

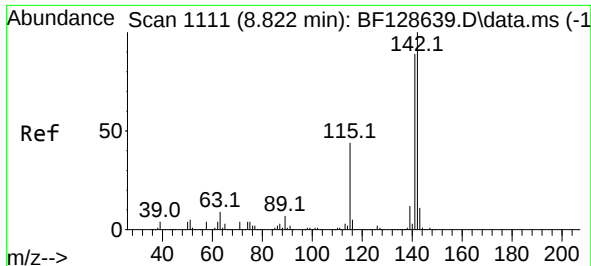
Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Tgt Ion:128 Resp: 54020

Ion	Ratio	Lower	Upper
128	100		
129	24.4	9.2	13.8#
127	18.9	10.5	15.7#





#37

2-Methylnaphthalene

Concen: 9.684 ng

RT: 8.816 min Scan# 1110

Delta R.T. 0.006 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9

Tgt Ion:142 Resp: 79689

Ion Ratio Lower Upper

142 100

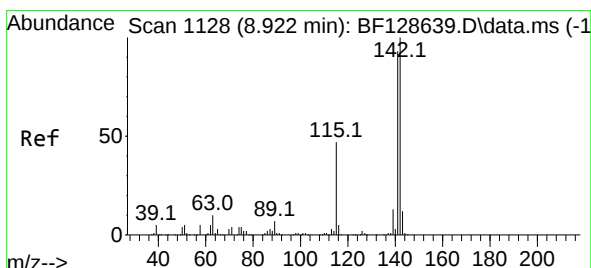
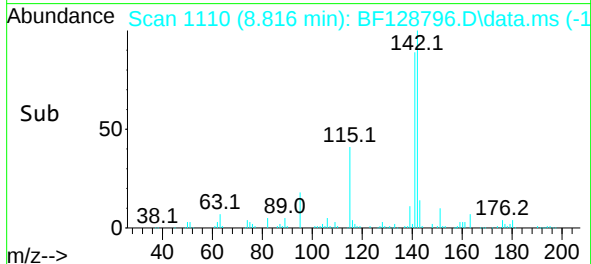
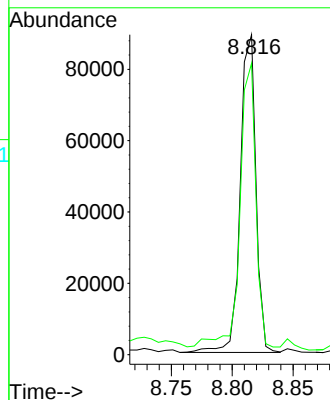
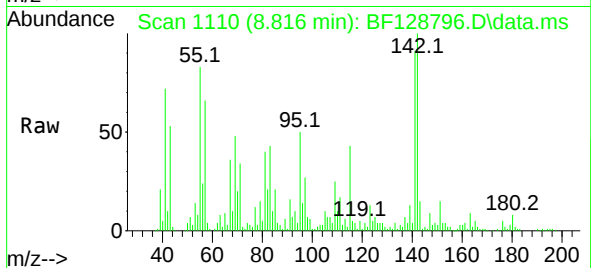
141 91.0 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/14/2022



#38

1-Methylnaphthalene

Concen: 7.964 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF128796.D

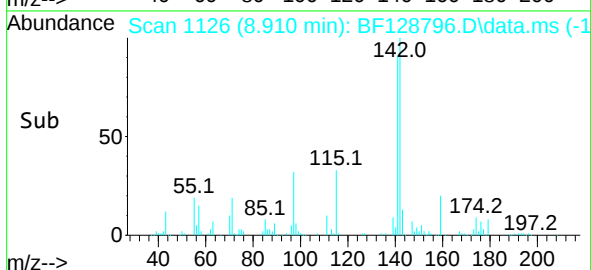
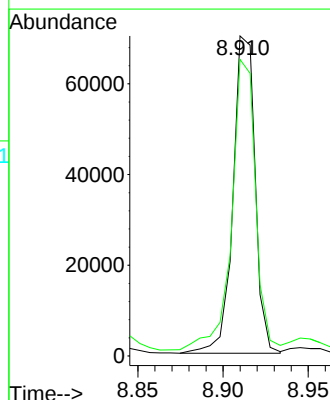
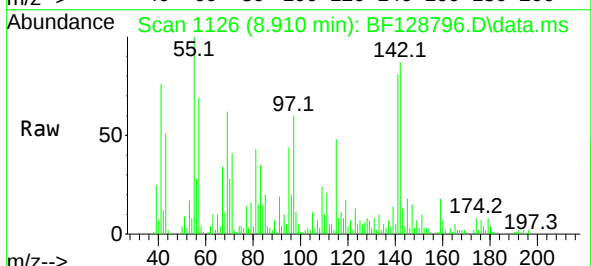
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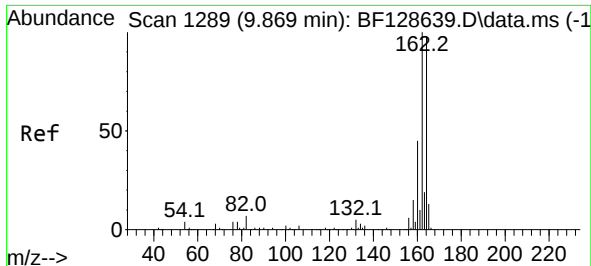
Tgt Ion:142 Resp: 63319

Ion Ratio Lower Upper

142 100

141 92.6 74.2 111.4





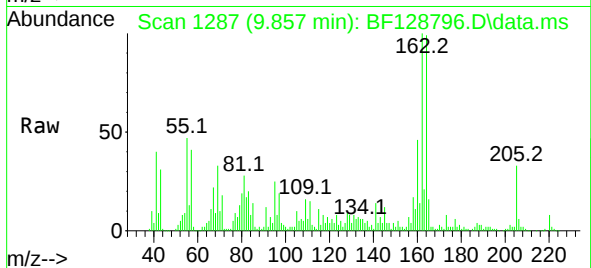
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 118210
Delta R.T. -0.000 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9

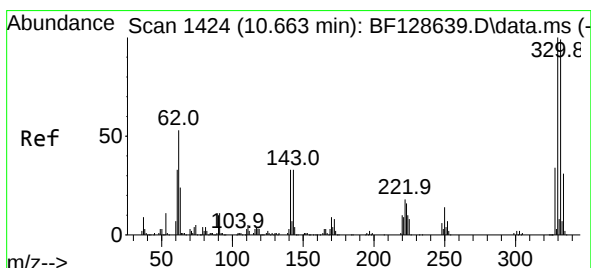
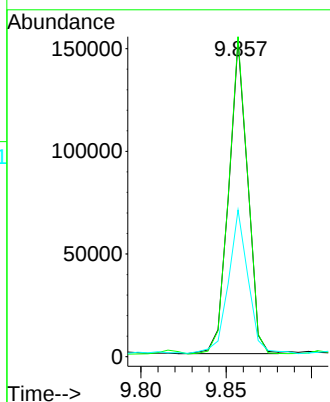
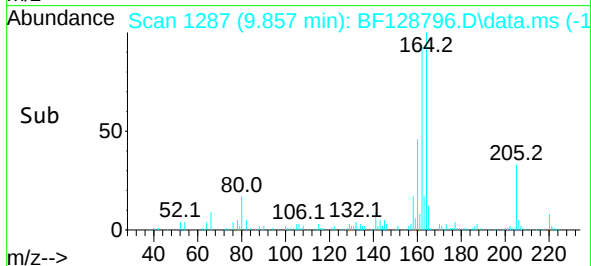


Tgt Ion:164 Resp: 118210
Ion Ratio Lower Upper
164 100
162 101.2 79.5 119.3
160 46.4 34.2 51.4

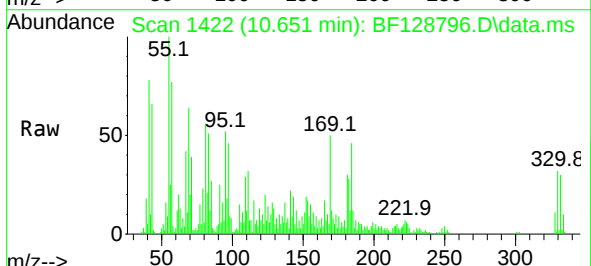
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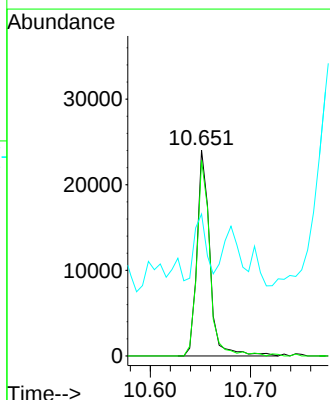
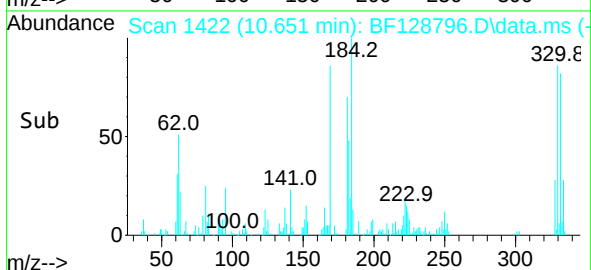
Reviewed By :Christian Giraldo 06/14/2022
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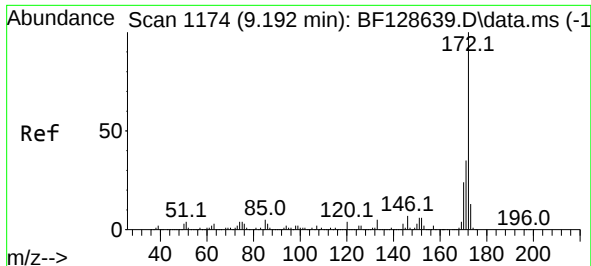


#42
2,4,6-Tribromophenol
Concen: 15.408 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16



Tgt Ion:330 Resp: 21521
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 29.5 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 14.885 ng

RT: 9.175 min Scan# 1174

Delta R.T. -0.000 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

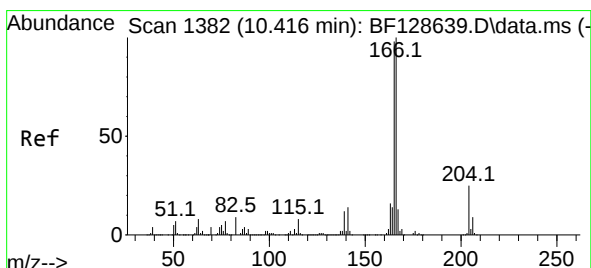
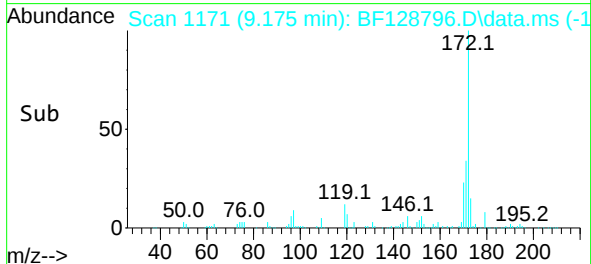
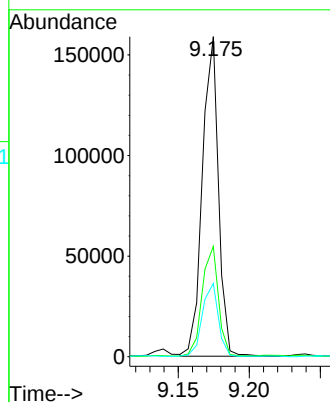
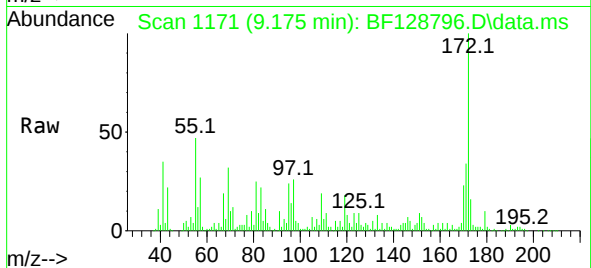
WC-14A-1A-9

Tgt Ion:172 Resp: 125612
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.8 43.2
 170 22.9 19.8 29.8

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#58

Fluorene

Concen: 4.574 ng

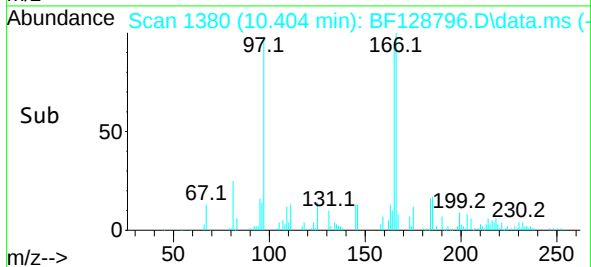
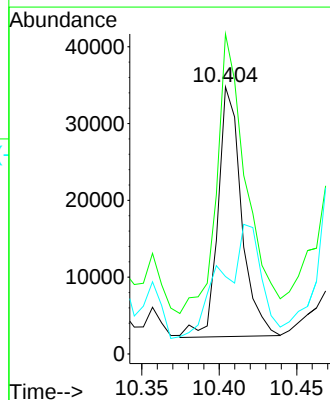
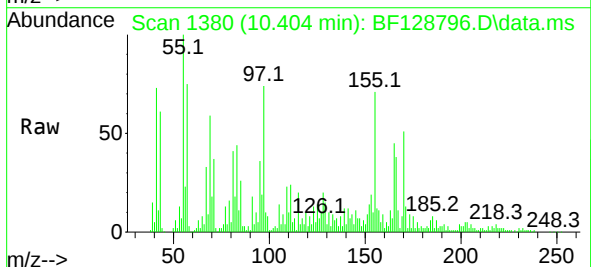
RT: 10.404 min Scan# 1380

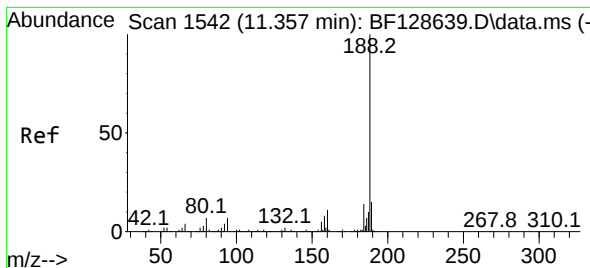
Delta R.T. -0.000 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

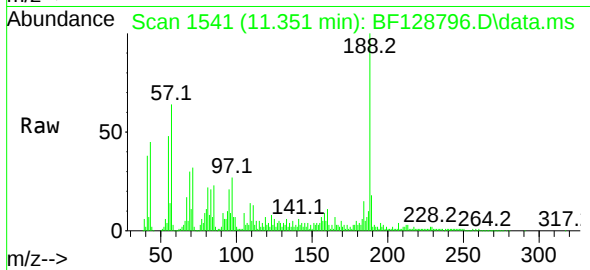
Tgt Ion:166 Resp: 34395
 Ion Ratio Lower Upper
 166 100
 165 119.8 78.1 117.1#
 167 29.0 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

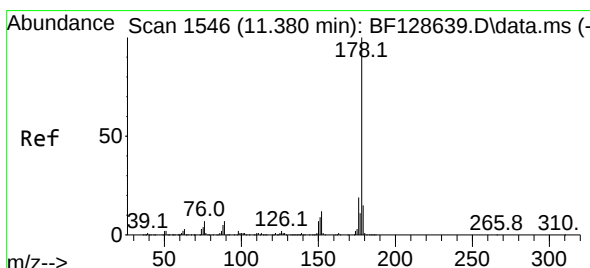
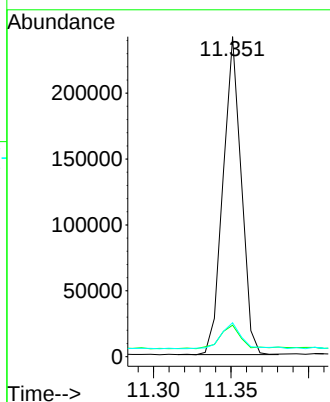
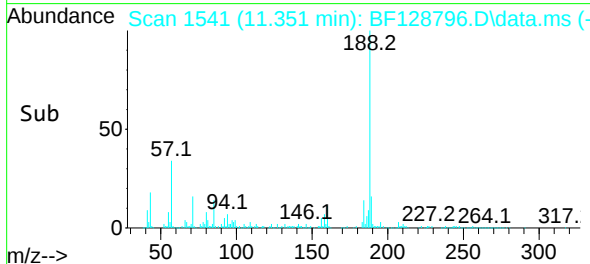
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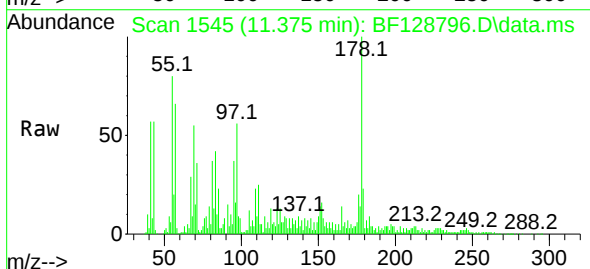
Tgt Ion:188 Resp: 19715
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.6 7.6 11.4

Manual Integrations
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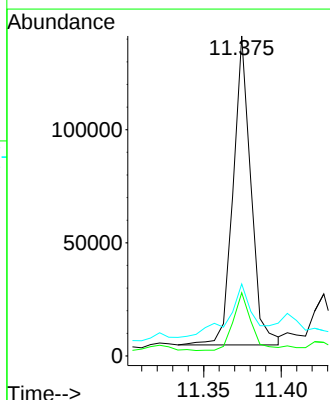
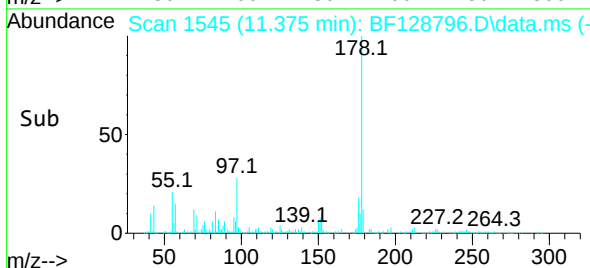
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

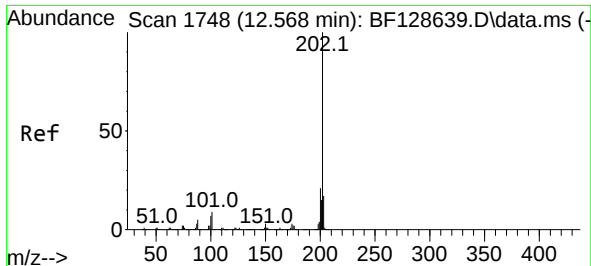


#71
Phenanthrene
Concen: 11.027 ng
RT: 11.375 min Scan# 1545
Delta R.T. 0.006 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16



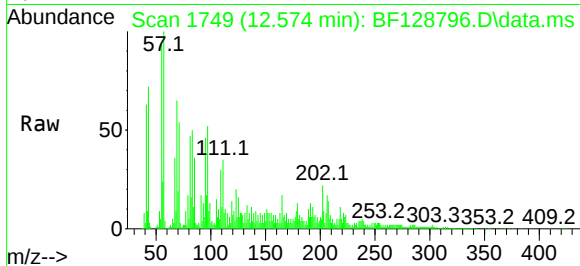
Tgt Ion:178 Resp: 109047
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 22.5 12.6 19.0#





#75
Fluoranthene
Concen: 2.975 ng m
RT: 12.574 min Scan# 1748
Delta R.T. 0.017 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

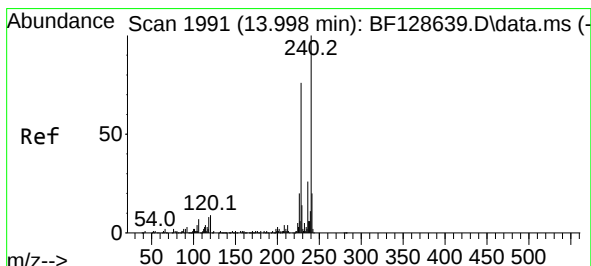
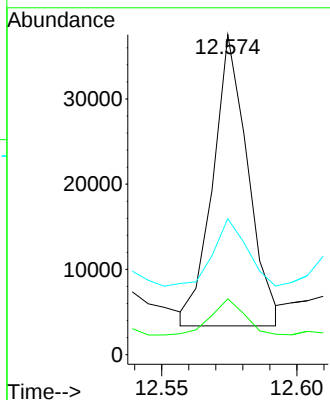
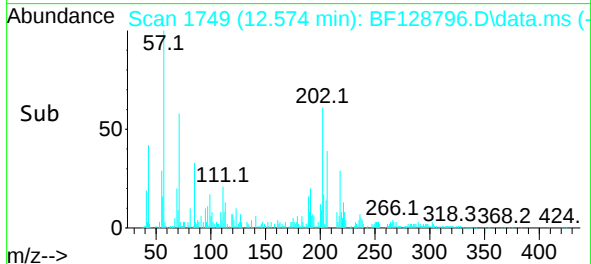
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9



Tgt Ion:202 Resp: 3075
Ion Ratio Lower Upper
202 100
101 17.5 0.0 31.4
203 42.5 0.0 38.0

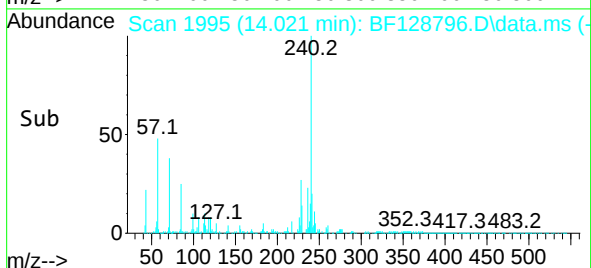
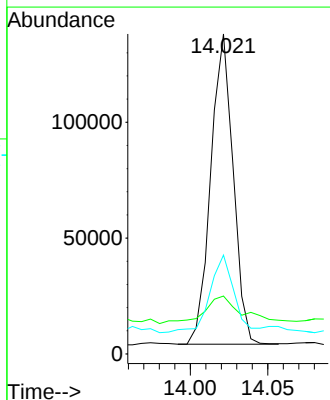
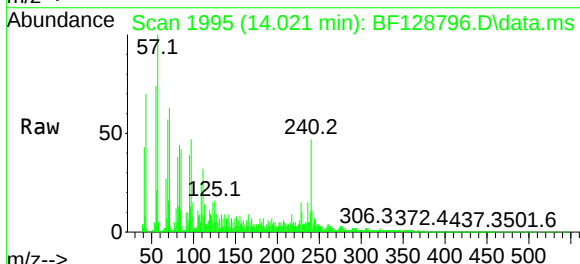
Manual Integrations
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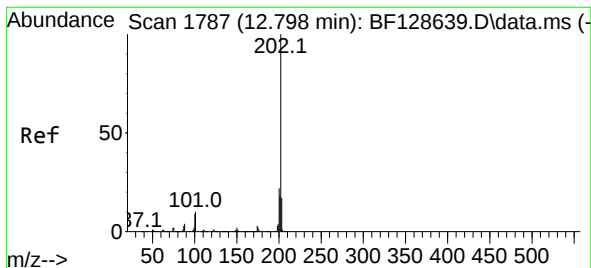
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. 0.035 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

Tgt Ion:240 Resp: 134343
Ion Ratio Lower Upper
240 100
120 18.1 8.9 13.3#
236 30.9 20.8 31.2





#78

Pyrene

Concen: 11.382 ng

RT: 12.804 min Scan# 1788

Delta R.T. 0.017 min

Lab File: BF128796.D

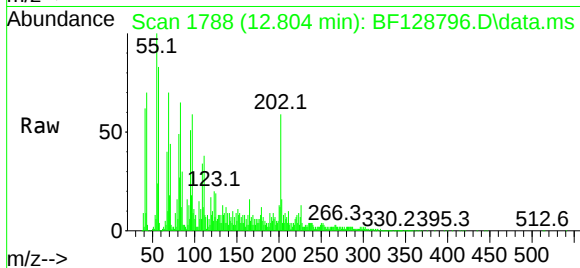
Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9



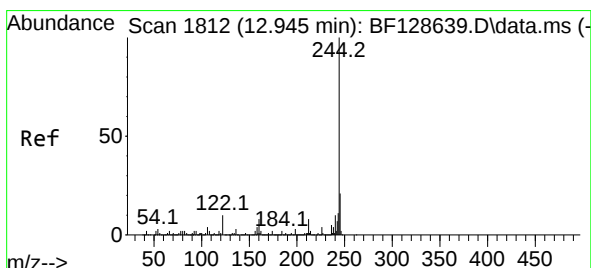
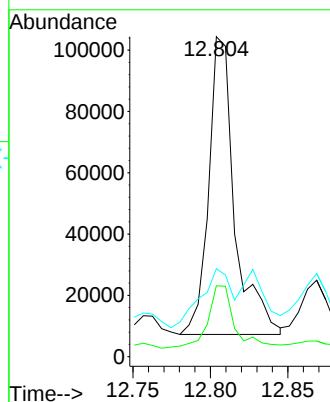
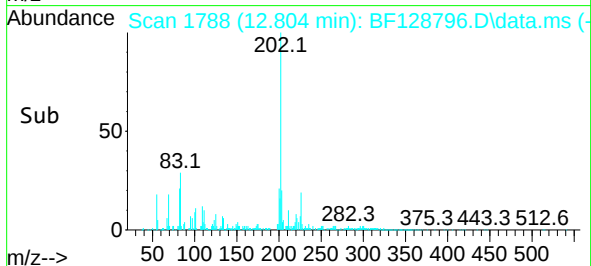
Tgt Ion:	202	Resp:	113760
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.7	26.5
203	27.5	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#79

Terphenyl-d14

Concen: 15.798 ng

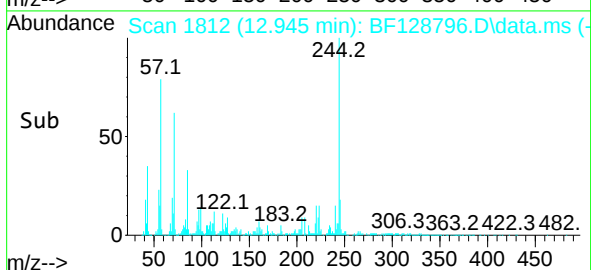
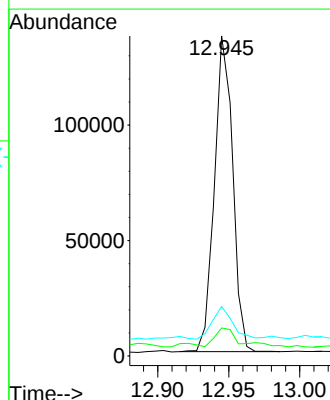
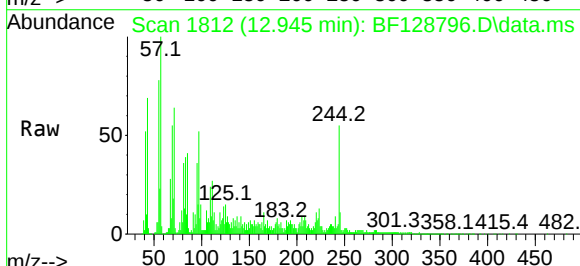
RT: 12.945 min Scan# 1812

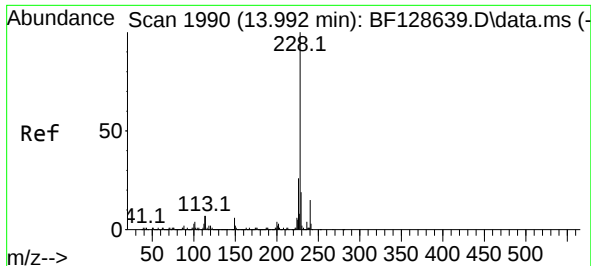
Delta R.T. 0.012 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Tgt Ion:	244	Resp:	122141
Ion Ratio	Lower	Upper	
244	100		
212	8.7	6.1	9.1
122	15.4	8.8	13.2





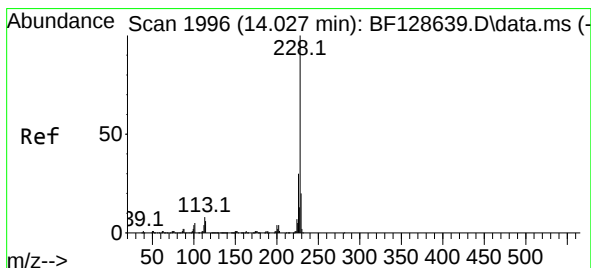
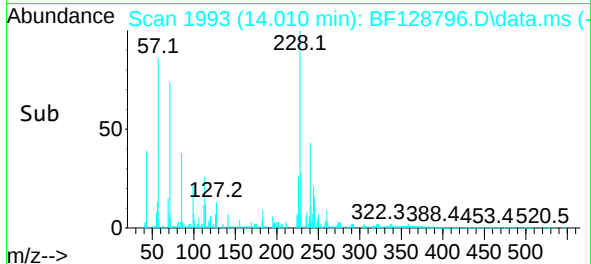
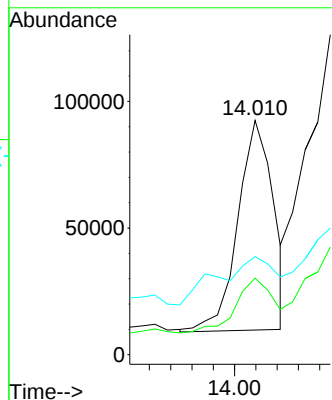
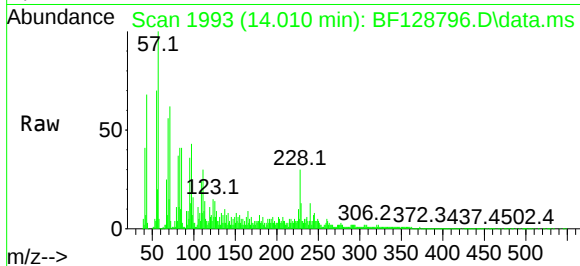
#81
Benzo(a)anthracene
Concen: 11.545 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.035 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9

Tgt Ion:228 Resp: 9668
Ion Ratio Lower Upper
228 100
226 32.6 22.1 33.1
229 41.8 15.8 23.8

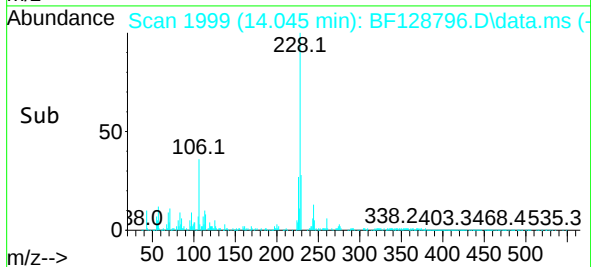
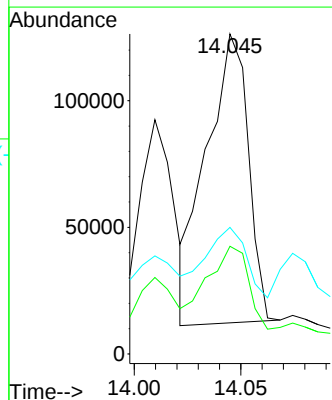
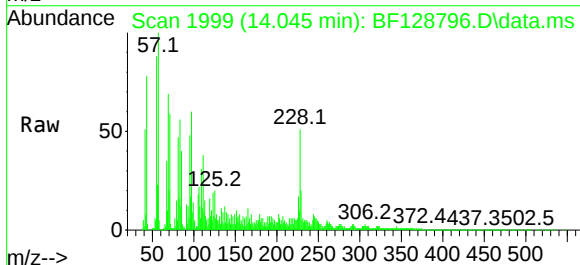
Manual Integrations
APPROVED

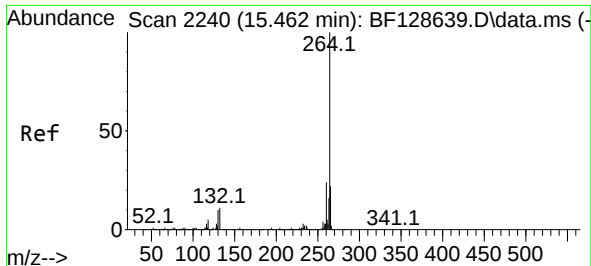
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#83
Chrysene
Concen: 19.600 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.029 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

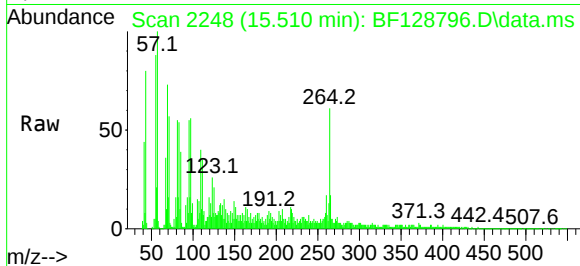
Tgt Ion:228 Resp: 156480
Ion Ratio Lower Upper
228 100
226 33.7 24.3 36.5
229 39.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2174
Delta R.T. 0.064 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

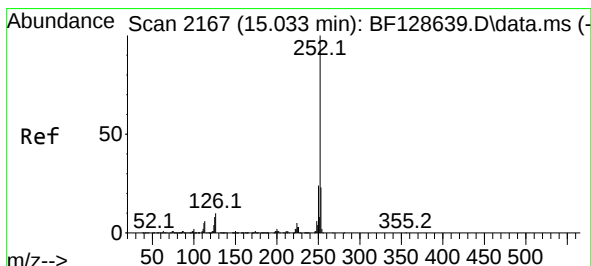
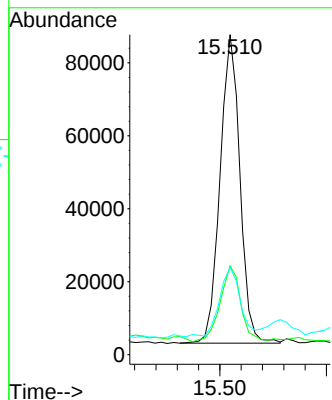
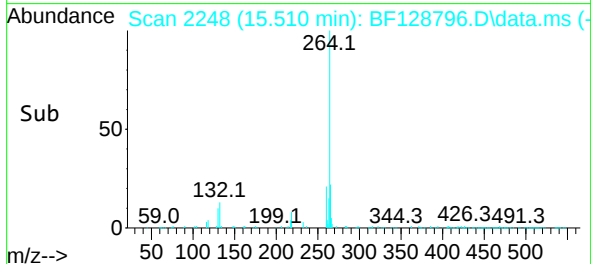
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9



Tgt Ion:264 Resp: 10920
Ion Ratio Lower Upper
264 100
260 27.8 18.4 27.6
265 27.3 17.2 25.8

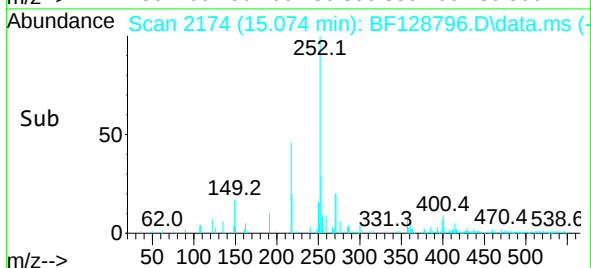
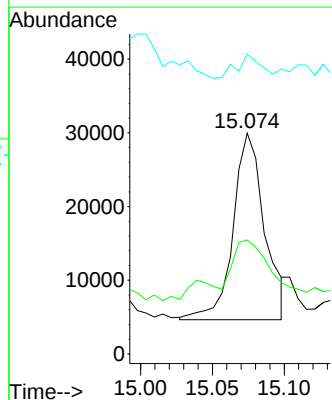
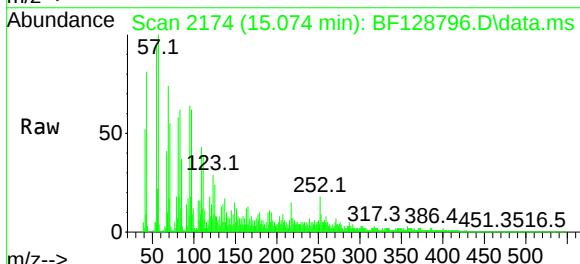
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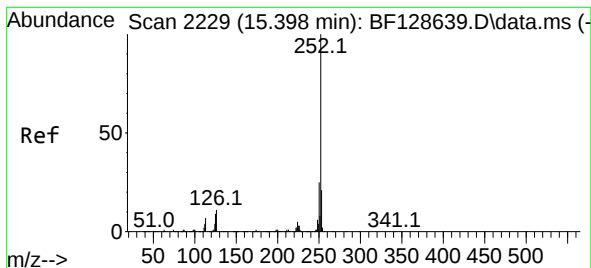
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#88
Benzo(b)fluoranthene
Concen: 5.533 ng m
RT: 15.074 min Scan# 2174
Delta R.T. 0.053 min
Lab File: BF128796.D
Acq: 13 Jun 2022 21:16

Tgt Ion:252 Resp: 38611
Ion Ratio Lower Upper
252 100
253 51.6 17.7 26.5#
125 135.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 7.287 ng m

RT: 15.445 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9

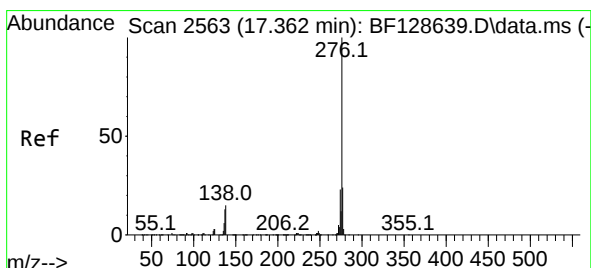
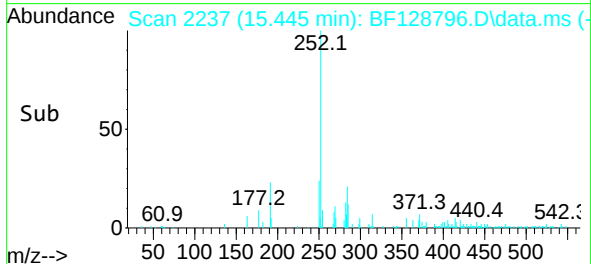
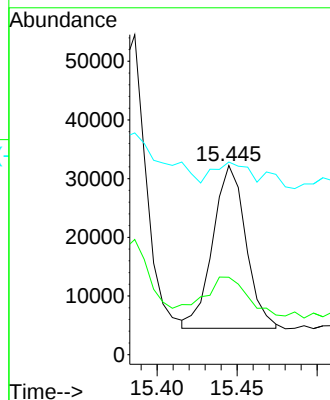
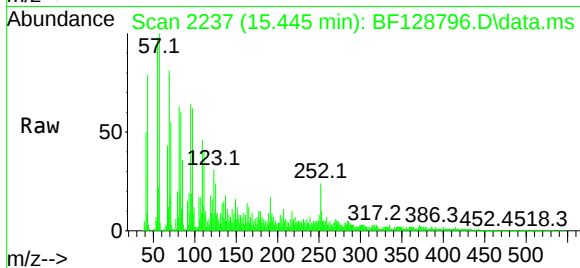
Tgt Ion:	252	Resp:	3996
Ion Ratio	Lower	Upper	
252	100		
253	40.9	17.0	25.6
125	101.9	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#92

Benzo(g,h,i)perylene

Concen: 3.442 ng

RT: 17.433 min Scan# 2575

Delta R.T. 0.094 min

Lab File: BF128796.D

Acq: 13 Jun 2022 21:16

Tgt Ion:	276	Resp:	18624
Ion Ratio	Lower	Upper	
276	100		
277	42.2	19.1	28.7#
138	46.1	18.0	27.0#

