

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128813.D
 Acq On : 14 Jun 2022 21:44
 Operator : CG\JU
 Sample : N3334-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

Quant Time: Jun 15 01:02:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	54689	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	179689	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	95068	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	156592	20.000	ng	# 0.01
76) Chrysene-d12	14.015	240	92235	20.000	ng	# 0.05
86) Perylene-d12	15.509	264	74184	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	204256	59.490	ng	0.00
7) Phenol-d6	6.439	99	247095	58.957	ng	0.00
23) Nitrobenzene-d5	7.345	82	183988	47.672	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	59748	53.191	ng	0.01
45) 2-Fluorobiphenyl	9.151	172	279368	41.164	ng	0.00
79) Terphenyl-d14	12.939	244	268132	50.514	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	8.092	128	218481	23.692	ng	# 93
37) 2-Methylnaphthalene	8.792	142	641842	109.426	ng	99
38) 1-Methylnaphthalene	8.892	142	477828	84.317	ng	99
46) 1,1'-Biphenyl	9.251	154	70432	9.874	ng	97
58) Fluorene	10.386	166	77756	12.856	ng	# 86
71) Phenanthrene	11.357	178	228956	29.150	ng	# 92
72) Anthracene	11.404	178	23755	3.056	ng	# 44
75) Fluoranthene	12.563	202	33247m	4.050	ng	
78) Pyrene	12.792	202	99248	14.463	ng	# 79
81) Benzo(a)anthracene	14.010	228	31534	5.485	ng	# 31
83) Chrysene	14.039	228	77716	14.178	ng	# 54
92) Benzo(g,h,i)perylene	17.409	276	12147	3.305	ng	# 13

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

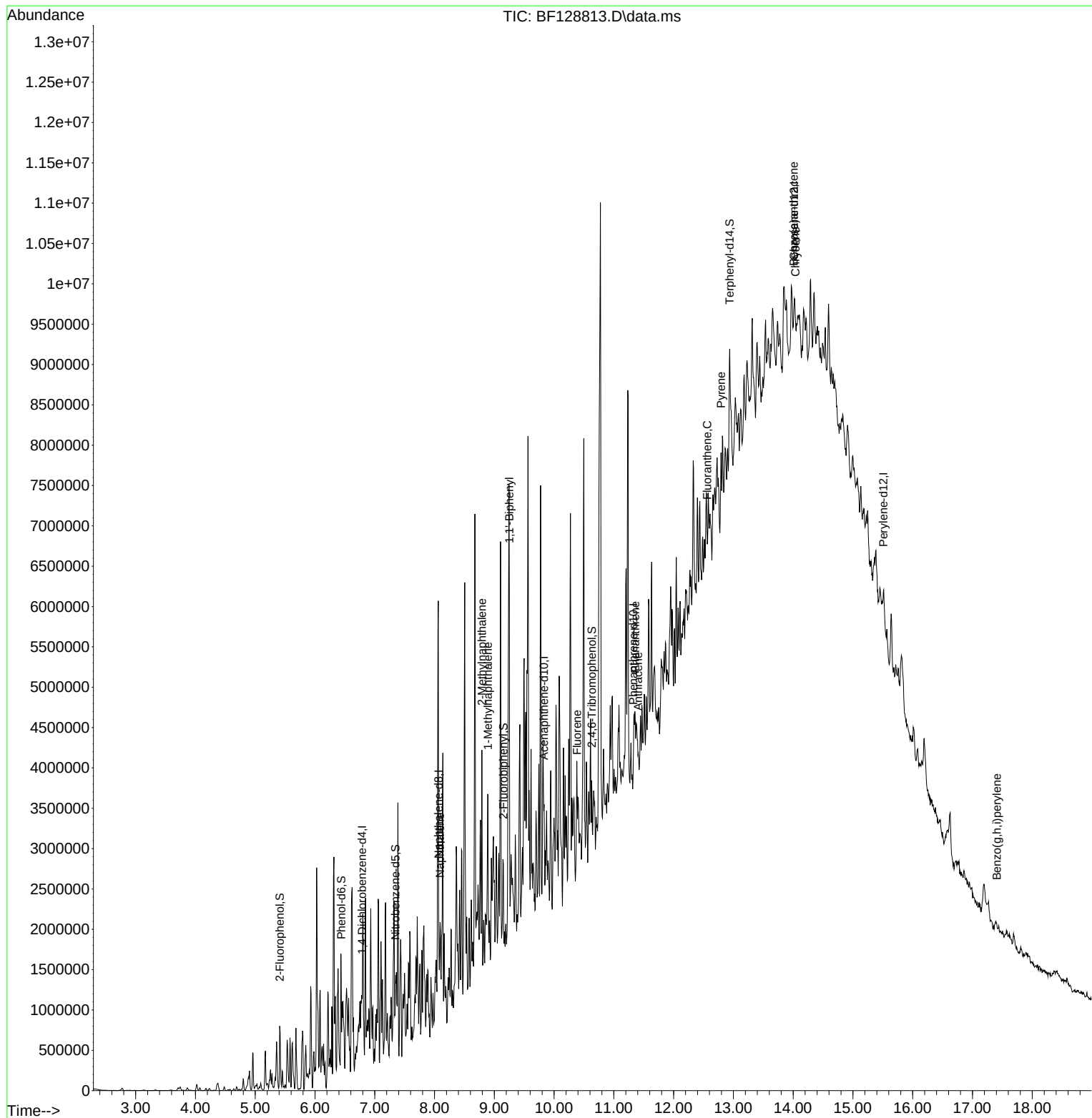
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
Data File : BF128813.D
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ALS Vial : 17 Sample Multiplier: 1

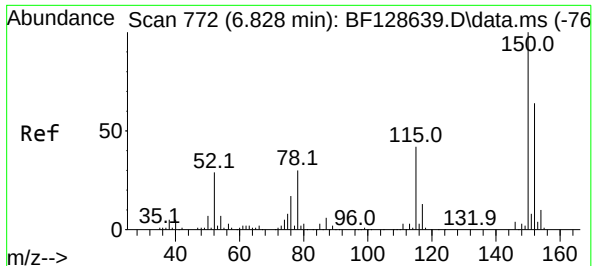
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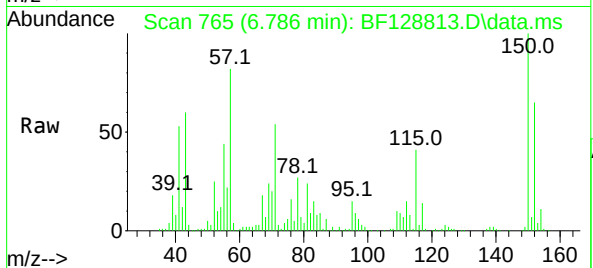
Reviewed By : Christian Giraldo 06/15/2022
Supervised By : Jagrut Upadhyay 06/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 70
Delta R.T. 0.005 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

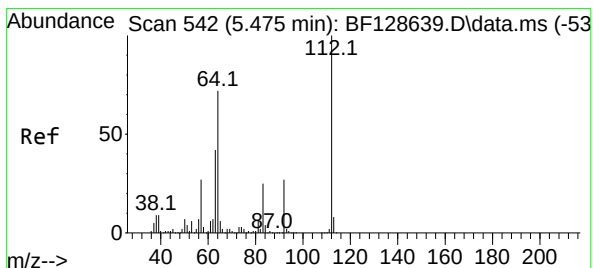
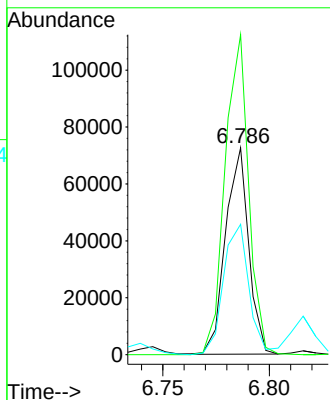
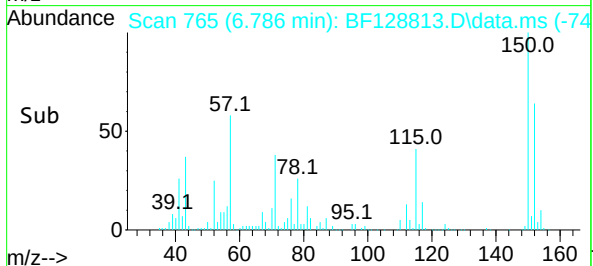
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



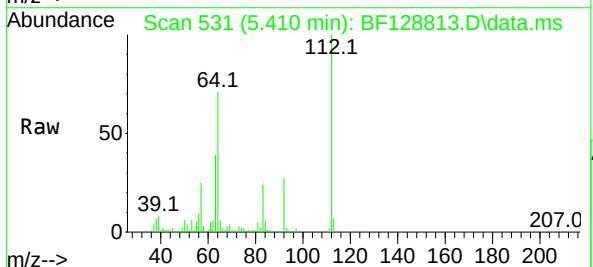
Tgt Ion:152 Resp: 54689
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 63.1 49.9 74.9

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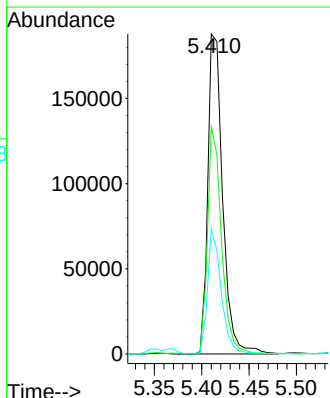
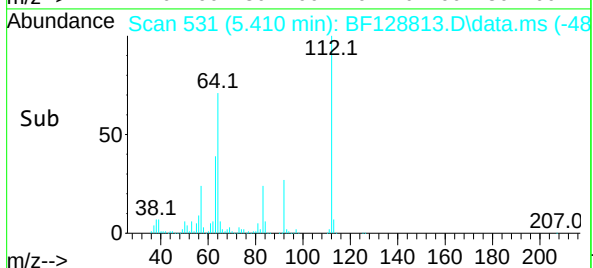
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

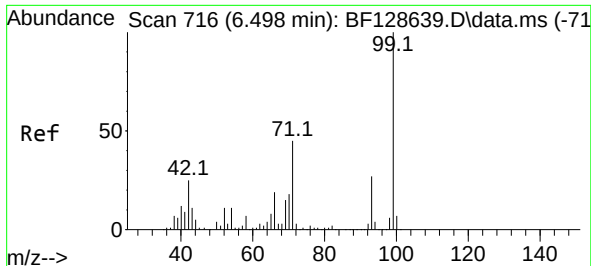


#5
2-Fluorophenol
Concen: 59.490 ng
RT: 5.410 min Scan# 531
Delta R.T. -0.006 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



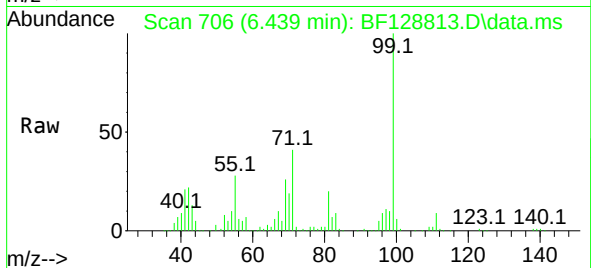
Tgt Ion:112 Resp: 204256
Ion Ratio Lower Upper
112 100
64 70.9 53.3 79.9
63 39.2 28.0 42.0





#7
Phenol-d6
Concen: 58.957 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

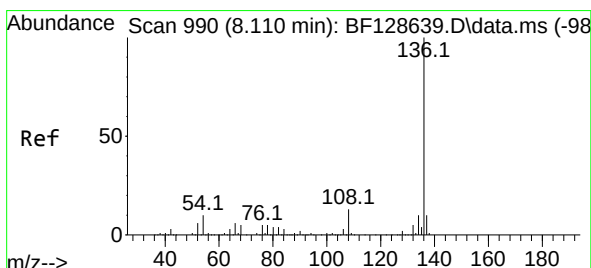
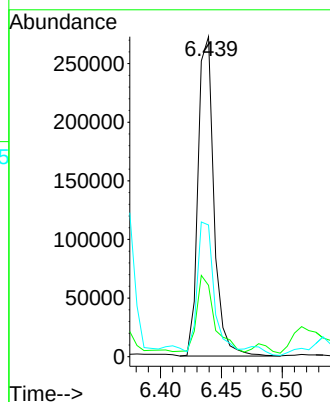
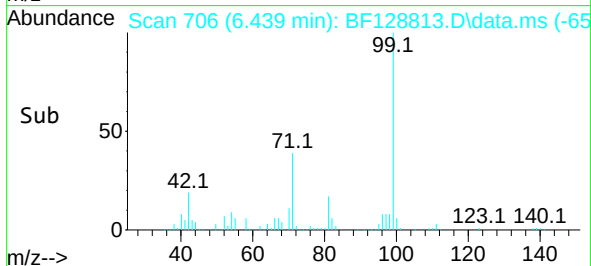
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



Tgt Ion: 99 Resp: 247099
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 41.2 28.9 43.3

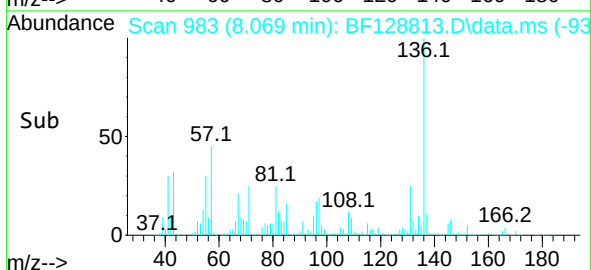
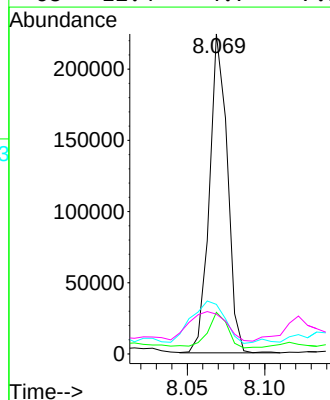
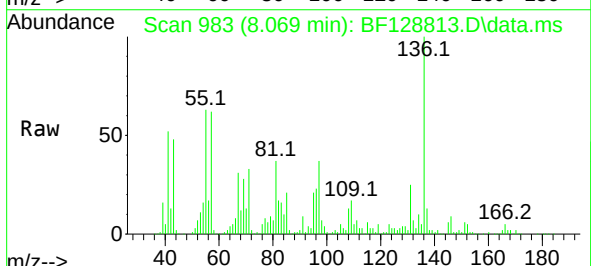
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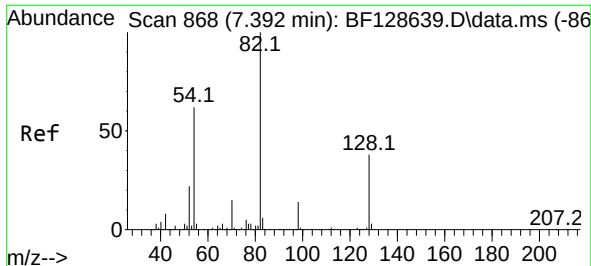
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

Tgt Ion:136 Resp: 179689
Ion Ratio Lower Upper
136 100
137 13.0 8.8 13.2
54 15.5 7.5 11.3#
68 12.4 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 47.672 ng

RT: 7.345 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF128813.D

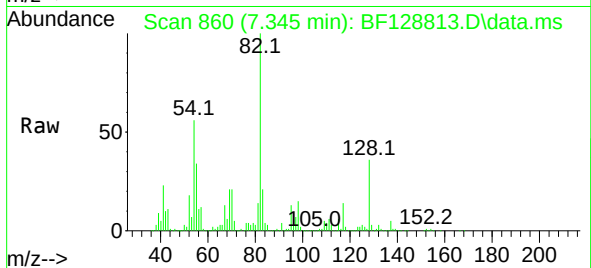
Acq: 14 Jun 2022 21:44

Instrument :

BNA_F

ClientSampleId :

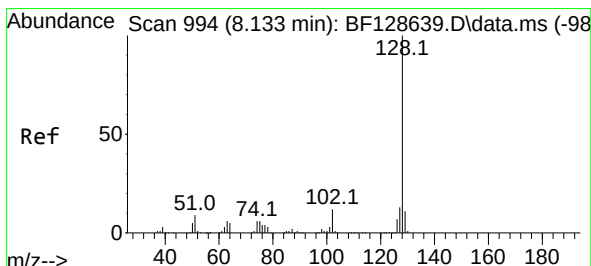
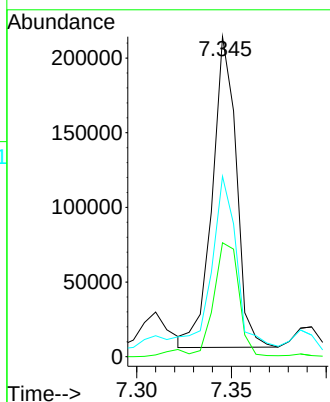
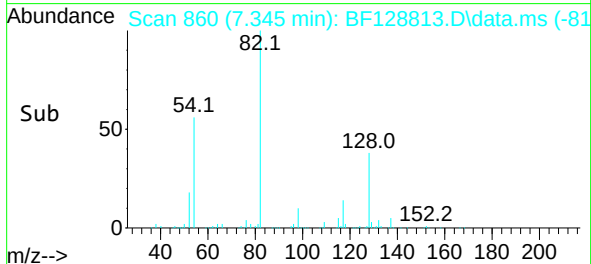
WC-14A-1A-8



Tgt Ion:	82	Resp:	18398
Ion Ratio	Lower	Upper	
82	100		
128	35.6	34.0	51.0
54	56.3	46.9	70.3

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#31

Naphthalene

Concen: 23.692 ng

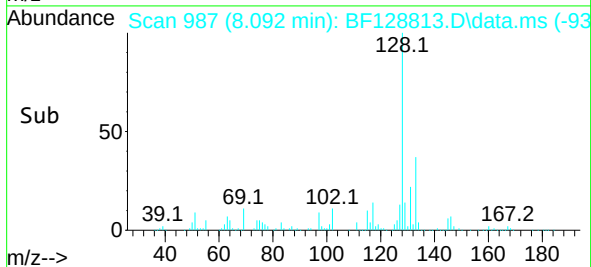
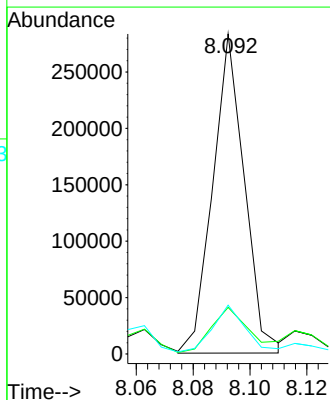
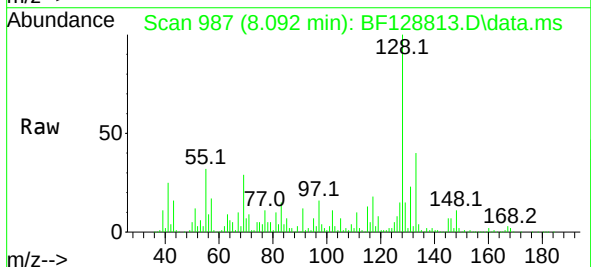
RT: 8.092 min Scan# 987

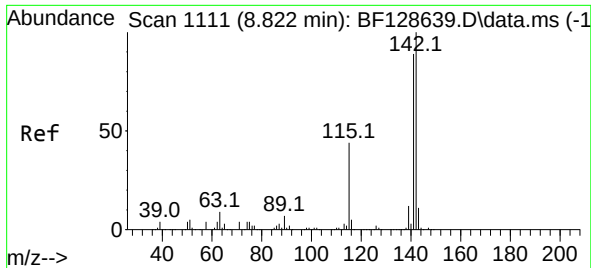
Delta R.T. -0.000 min

Lab File: BF128813.D

Acq: 14 Jun 2022 21:44

Tgt Ion:	128	Resp:	218481
Ion Ratio	Lower	Upper	
128	100		
129	14.5	9.2	13.8
127	15.2	10.5	15.7





#37

2-Methylnaphthalene

Concen: 109.426 ng

RT: 8.792 min Scan# 1111

Delta R.T. 0.012 min

Lab File: BF128813.D

Acq: 14 Jun 2022 21:44

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-8

Tgt Ion:142 Resp: 64184

Ion Ratio Lower Upper

142 100

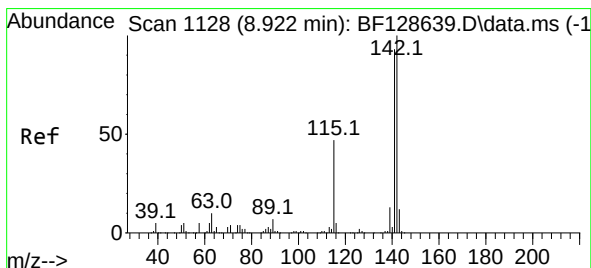
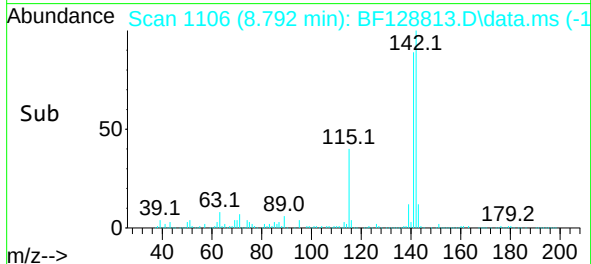
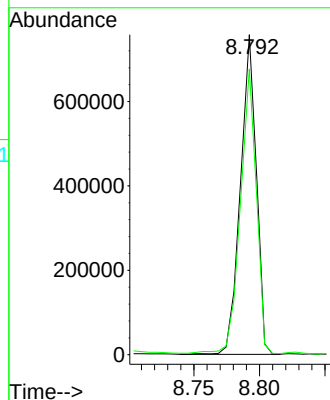
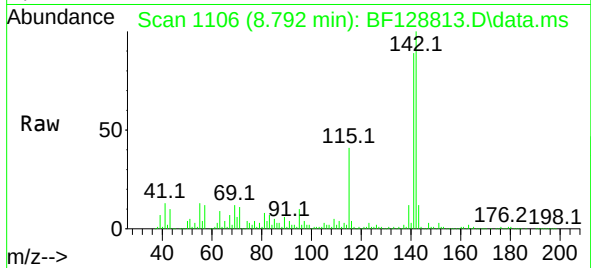
141 89.3 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/15/2022



#38

1-Methylnaphthalene

Concen: 84.317 ng

RT: 8.892 min Scan# 1123

Delta R.T. 0.012 min

Lab File: BF128813.D

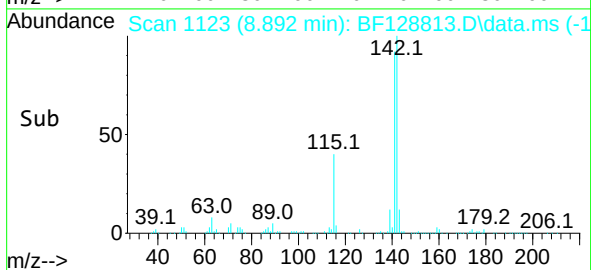
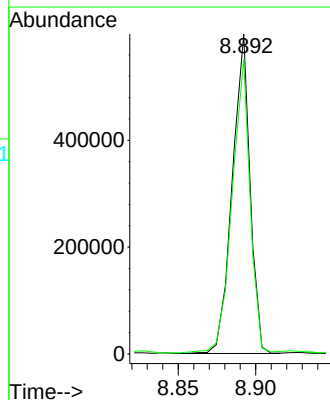
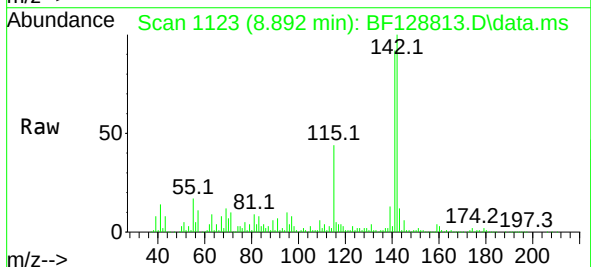
Acq: 14 Jun 2022 21:44

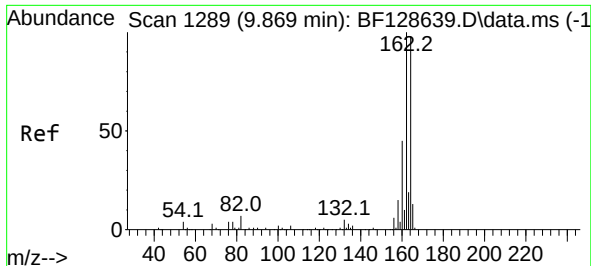
Tgt Ion:142 Resp: 477828

Ion Ratio Lower Upper

142 100

141 92.0 74.2 111.4





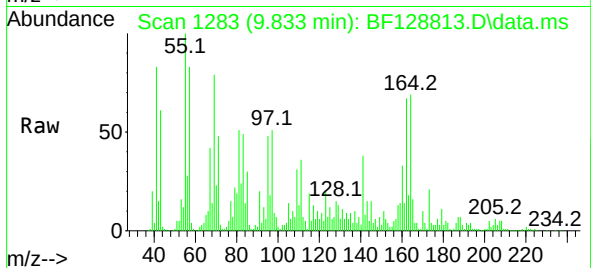
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-8

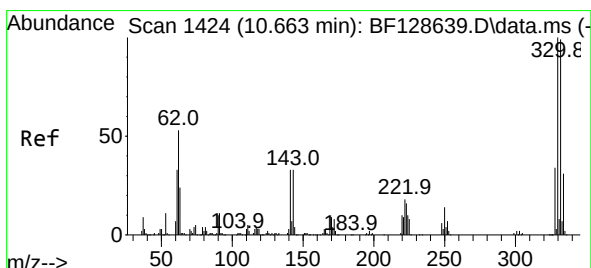
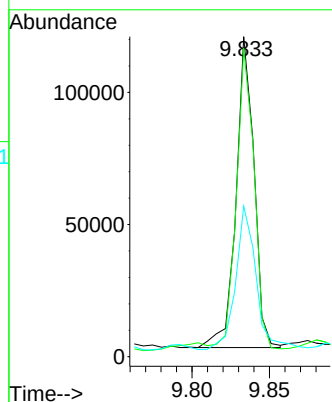
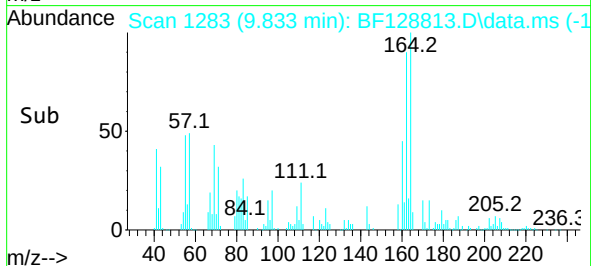


Tgt Ion:164 Resp: 9506
Ion Ratio Lower Upper
164 100
162 96.4 79.5 119.3
160 47.0 34.2 51.4

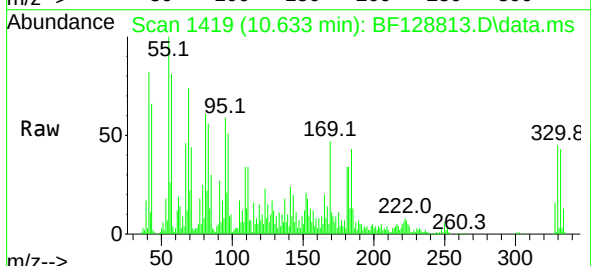
Manual Integrations

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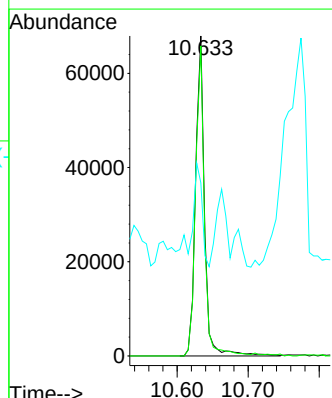
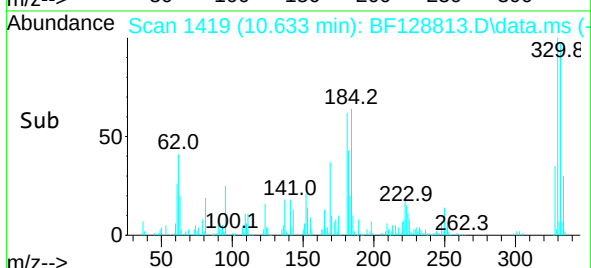
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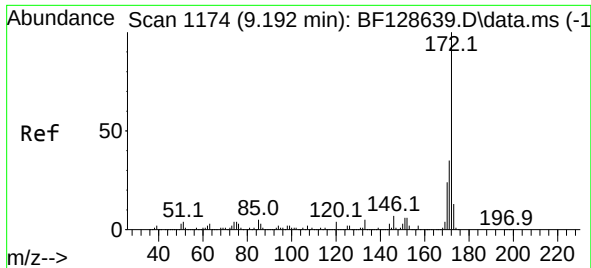


#42
2,4,6-Tribromophenol
Concen: 53.191 ng
RT: 10.633 min Scan# 1419
Delta R.T. 0.012 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



Tgt Ion:330 Resp: 59748
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 37.1 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 41.164 ng
RT: 9.151 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

Instrument :

BNA_F

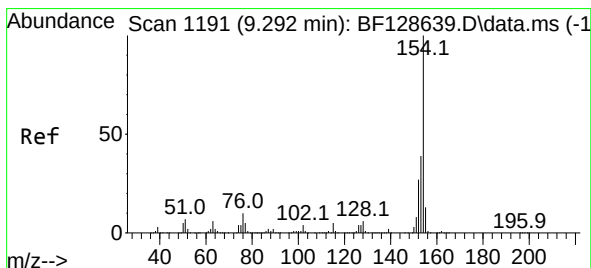
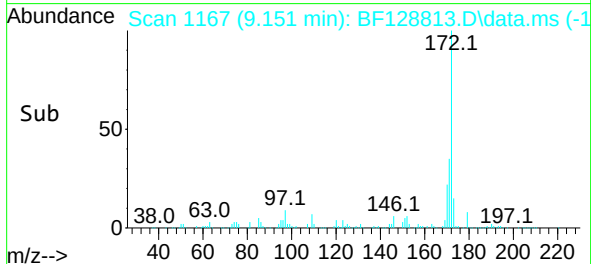
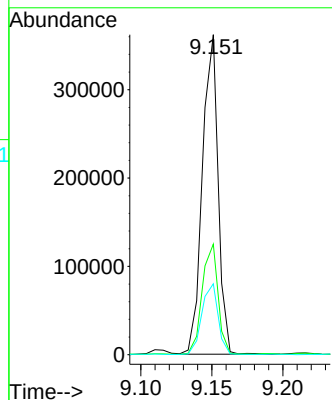
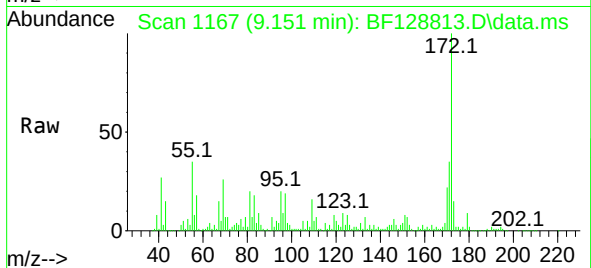
ClientSampleId :

WC-14A-1A-8

Tgt Ion:172 Resp: 27936
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.1 19.8 29.8

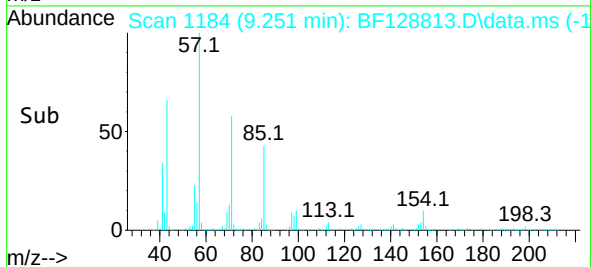
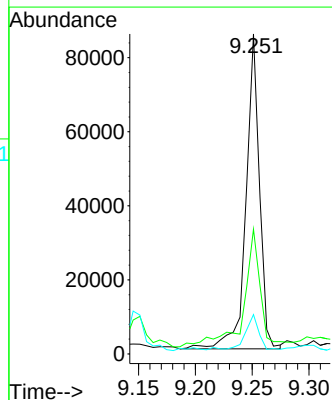
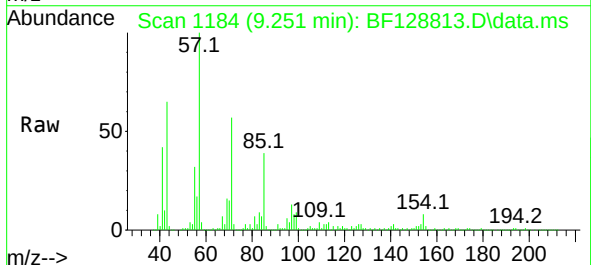
Manual Integrations
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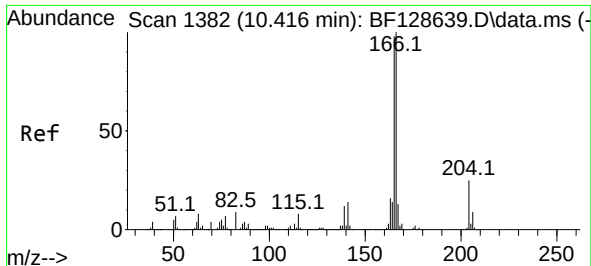
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#46
1,1'-Biphenyl
Concen: 9.874 ng
RT: 9.251 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

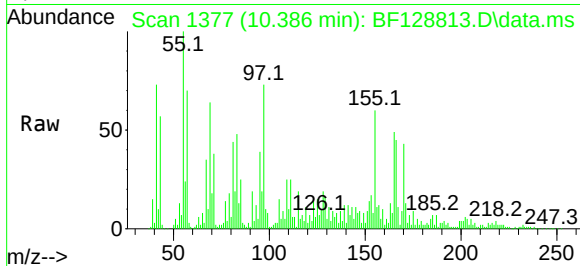
Tgt Ion:154 Resp: 70432
Ion Ratio Lower Upper
154 100
153 39.0 20.6 60.6
76 12.3 0.0 33.3





#58
Fluorene
Concen: 12.856 ng
RT: 10.386 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

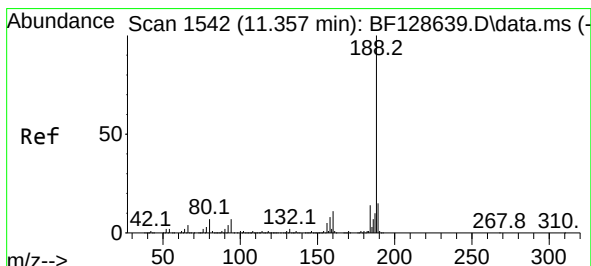
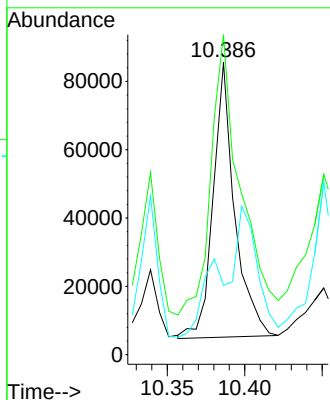
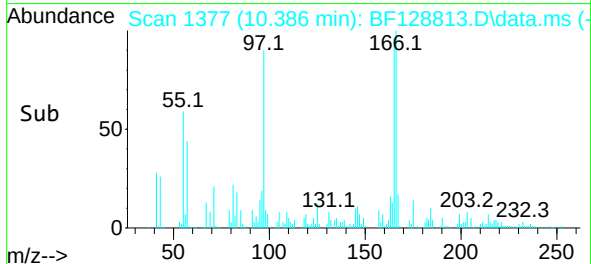
Instrument :
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WC-14A-1A-8



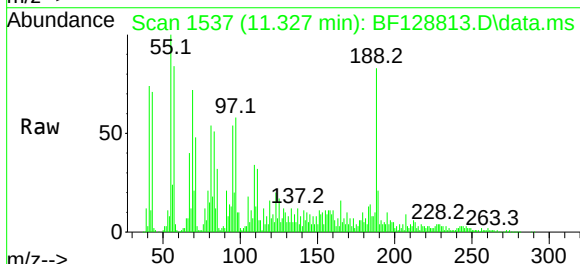
Tgt Ion:166 Resp: 77750
Ion Ratio Lower Upper
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165 109.4 78.1 117.1
167 23.7 10.5 15.7

Manual Integrations
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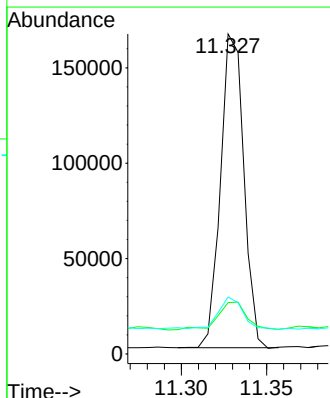
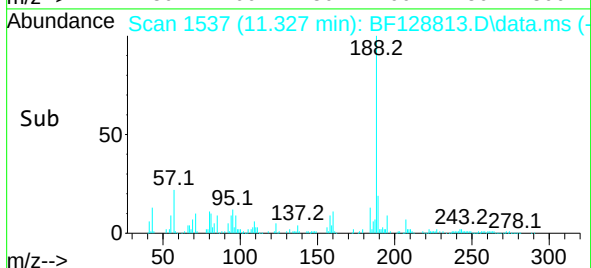
Reviewed By :Christian Giraldo 06/15/2022
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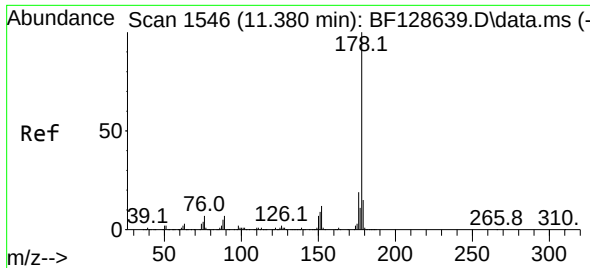


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1537
Delta R.T. 0.012 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



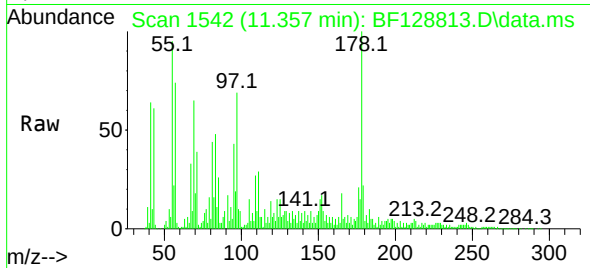
Tgt Ion:188 Resp: 156592
Ion Ratio Lower Upper
188 100
94 16.0 7.0 10.6#
80 17.8 7.6 11.4#





#71
Phenanthrene
Concen: 29.150 ng
RT: 11.357 min Scan# 11357
Delta R.T. 0.018 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

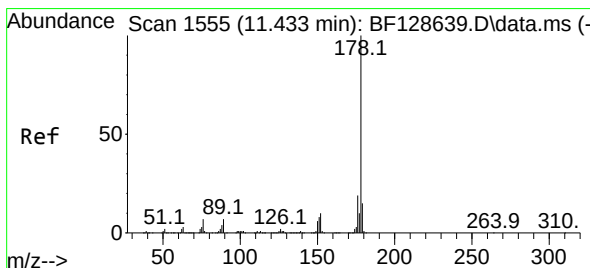
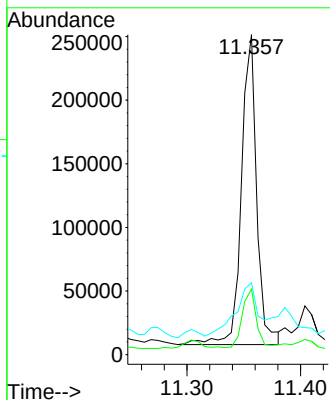
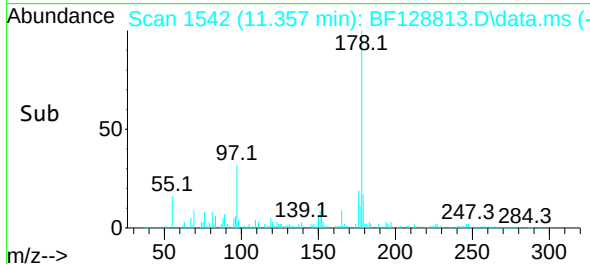
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



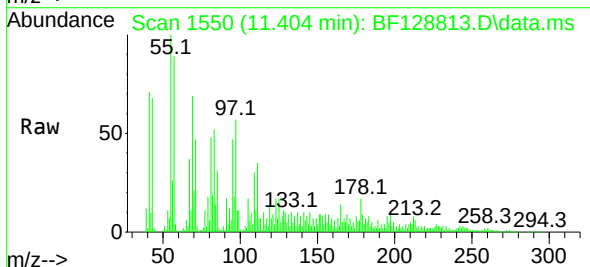
Tgt Ion:178 Resp: 228950
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 22.4 12.6 19.0

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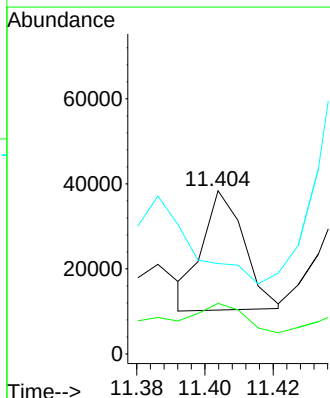
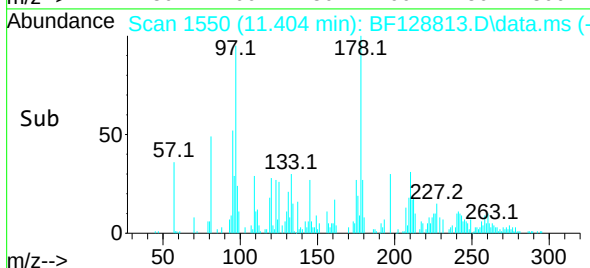
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

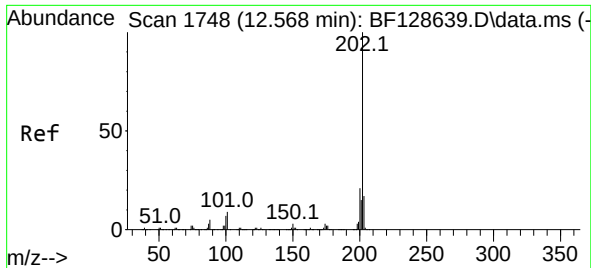


#72
Anthracene
Concen: 3.056 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.012 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



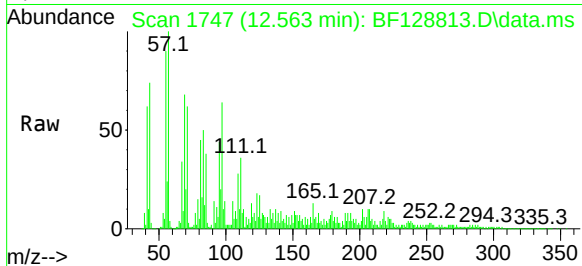
Tgt Ion:178 Resp: 23755
Ion Ratio Lower Upper
178 100
176 31.0 15.4 23.2#
179 55.4 12.6 19.0#





#75
Fluoranthene
Concen: 4.050 ng m
RT: 12.563 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

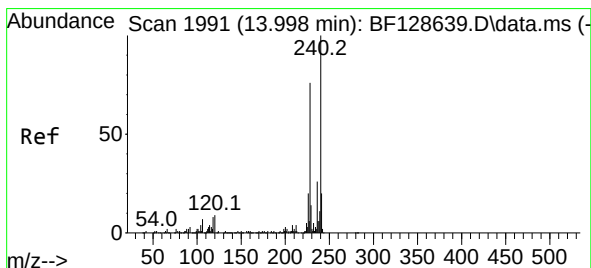
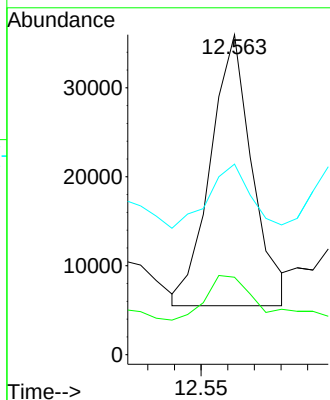
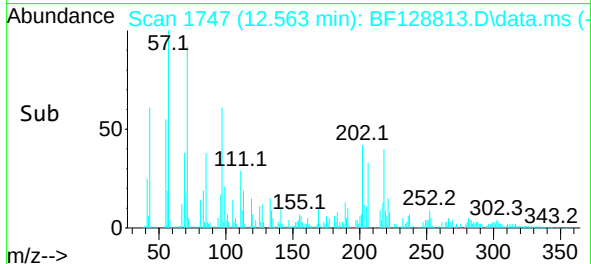
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



Tgt Ion:202 Resp: 3324
Ion Ratio Lower Upper
202 100
101 24.2 0.0 31.4
203 59.6 0.0 38.0

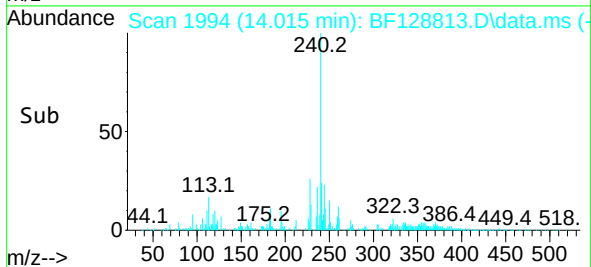
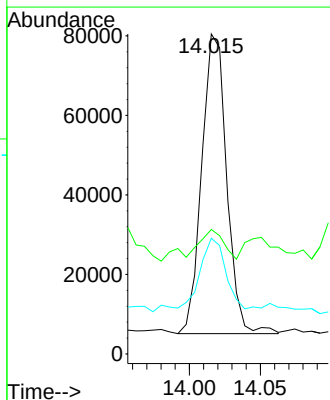
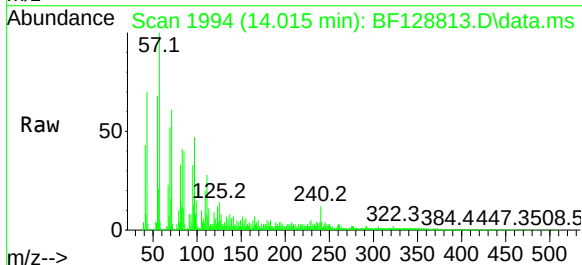
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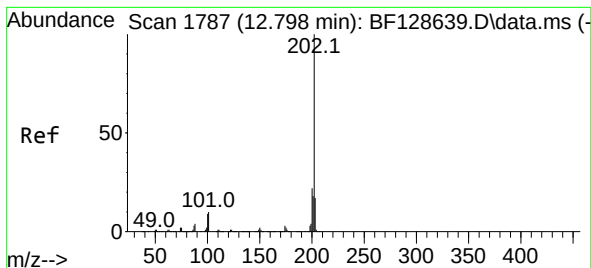
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. 0.053 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

Tgt Ion:240 Resp: 92235
Ion Ratio Lower Upper
240 100
120 38.9 8.9 13.3#
236 36.2 20.8 31.2#





#78

Pyrene

Concen: 14.463 ng

RT: 12.792 min Scan# 11

Delta R.T. 0.035 min

Lab File: BF128813.D

Acq: 14 Jun 2022 21:44

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-8

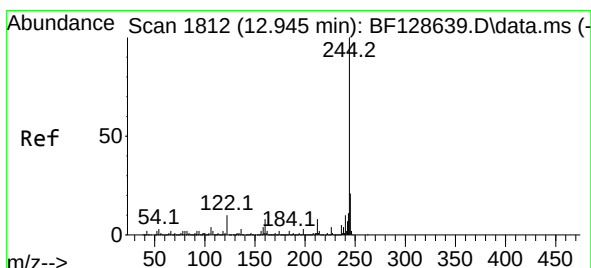
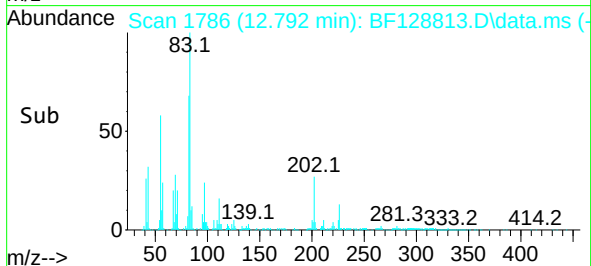
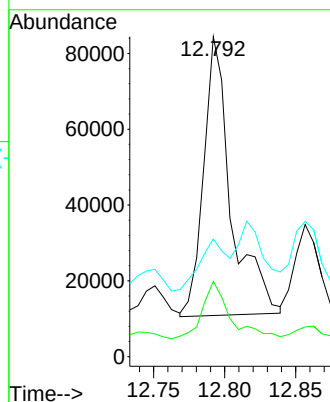
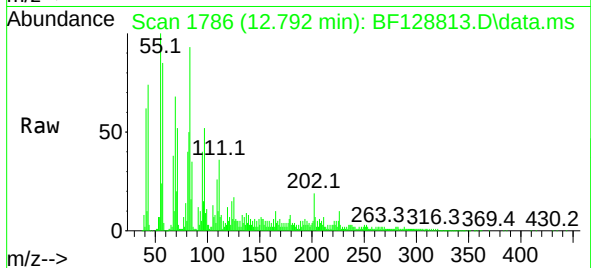
Tgt Ion:	202	Resp:	9924
Ion Ratio	Lower	Upper	
202	100		
200	23.6	17.7	26.5
203	36.8	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/15/2022

Supervised By :Jagrut Upadhyay 06/15/2022



#79

Terphenyl-d14

Concen: 50.514 ng

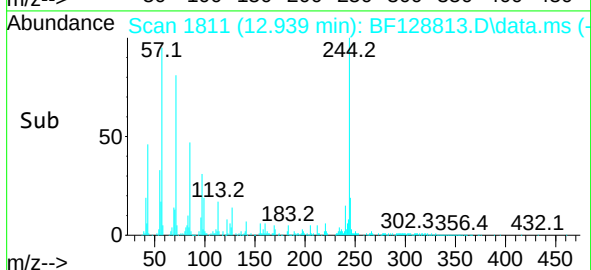
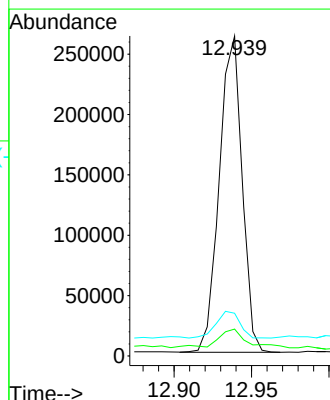
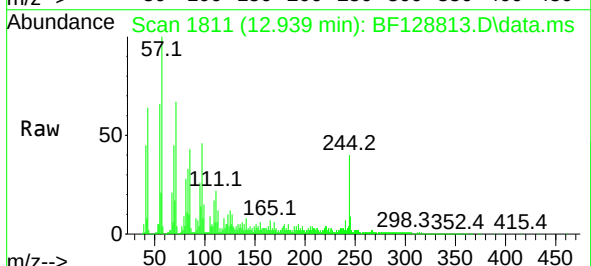
RT: 12.939 min Scan# 1811

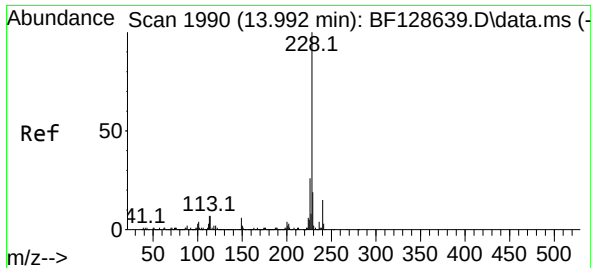
Delta R.T. 0.035 min

Lab File: BF128813.D

Acq: 14 Jun 2022 21:44

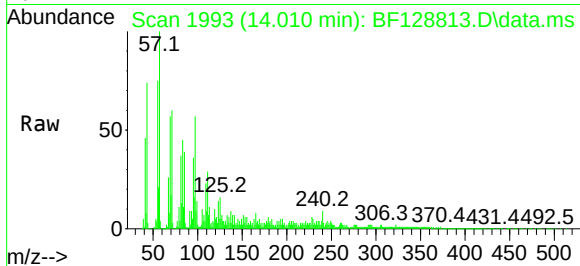
Tgt Ion:	244	Resp:	268132
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.1	9.1
122	13.3	8.8	13.2





#81
Benzo(a)anthracene
Concen: 5.485 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.059 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

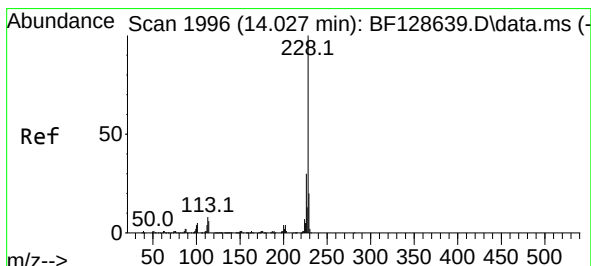
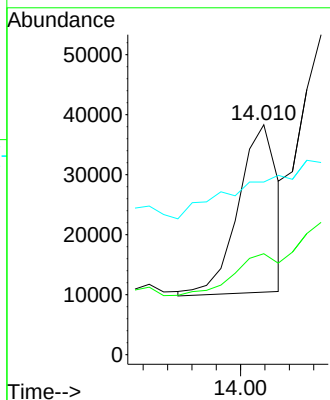
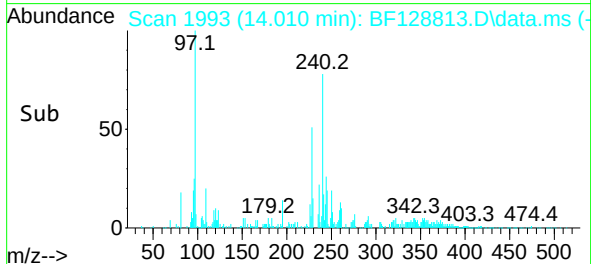
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



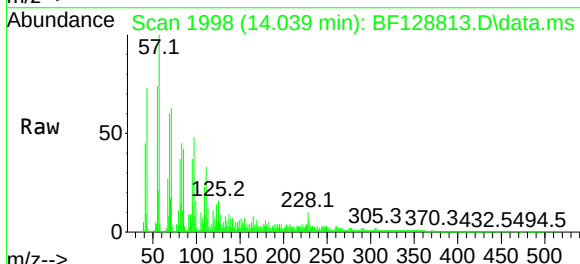
Tgt Ion:228 Resp: 31534
Ion Ratio Lower Upper
228 100
226 43.9 22.1 33.1#
229 75.1 15.8 23.8#

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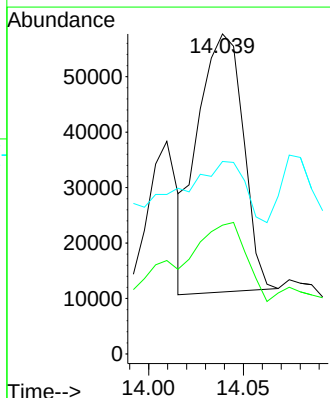
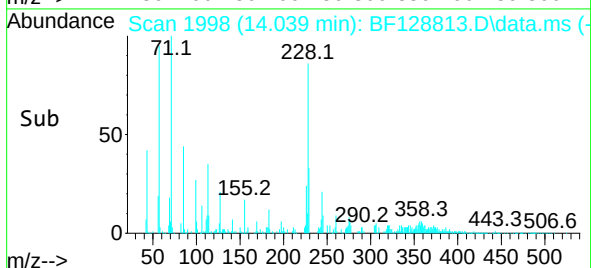
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

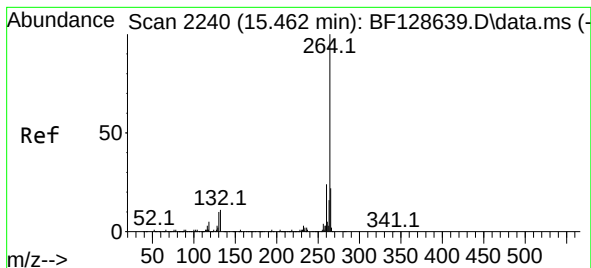


#83
Chrysene
Concen: 14.178 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.047 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



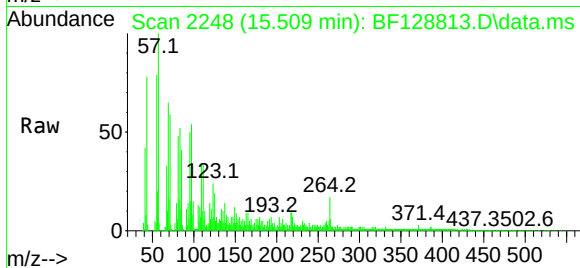
Tgt Ion:228 Resp: 77716
Ion Ratio Lower Upper
228 100
226 40.3 24.3 36.5#
229 60.2 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.094 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44

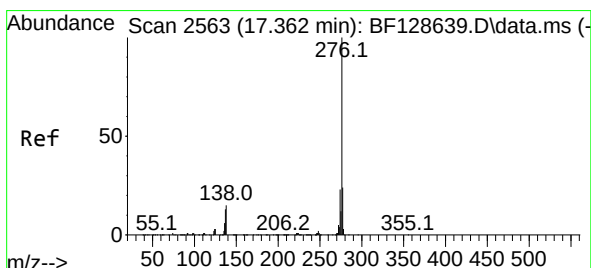
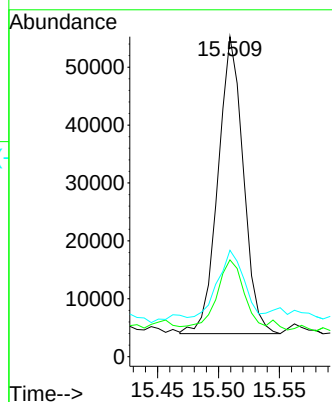
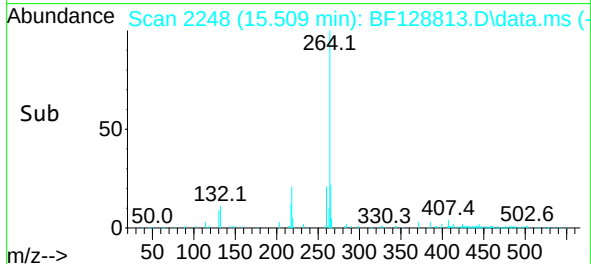
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8



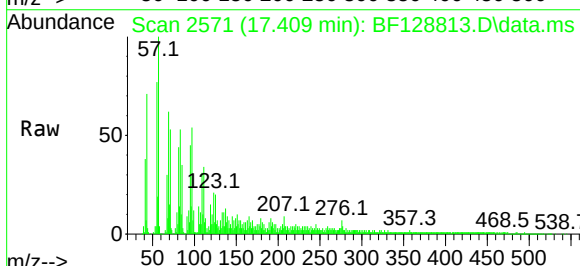
Tgt Ion:264 Resp: 74184
Ion Ratio Lower Upper
264 100
260 30.3 18.4 27.6
265 33.3 17.2 25.8

Manual Integrations
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Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#92
Benzo(g,h,i)perylene
Concen: 3.305 ng
RT: 17.409 min Scan# 2571
Delta R.T. 0.112 min
Lab File: BF128813.D
Acq: 14 Jun 2022 21:44



Tgt Ion:276 Resp: 12147
Ion Ratio Lower Upper
276 100
277 53.6 19.1 28.7#
138 77.5 18.0 27.0#

