

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128795.D
 Acq On : 13 Jun 2022 20:46
 Operator : CG\JU
 Sample : N3304-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Jun 14 01:57:23 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	67793	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	219892	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	103885	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	170507	20.000	ng	0.00
76) Chrysene-d12	14.021	240	122958	20.000	ng	# 0.04
86) Perylene-d12	15.504	264	93072	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	86255	20.266	ng	0.00
7) Phenol-d6	6.469	99	105506	20.308	ng	-0.01
23) Nitrobenzene-d5	7.369	82	60158	12.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	21163	17.241	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	125740	16.955	ng	0.00
79) Terphenyl-d14	12.951	244	121442	17.162	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.116	128	44105	3.908	ng	# 95
37) 2-Methylnaphthalene	8.810	142	35169	4.900	ng	98
38) 1-Methylnaphthalene	8.910	142	84749	12.221	ng	99
58) Fluorene	10.404	166	22412	3.391	ng	# 91
71) Phenanthrene	11.369	178	164829	19.273	ng	96
72) Anthracene	11.422	178	28450m	3.361	ng	
75) Fluoranthene	12.574	202	26514m	2.966	ng	
78) Pyrene	12.810	202	96203	10.516	ng	# 92
81) Benzo(a)anthracene	14.010	228	38793	5.061	ng	# 34
83) Chrysene	14.051	228	64659	8.849	ng	# 62
90) Benzo(a)pyrene	15.445	252	14255m	3.050	ng	

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

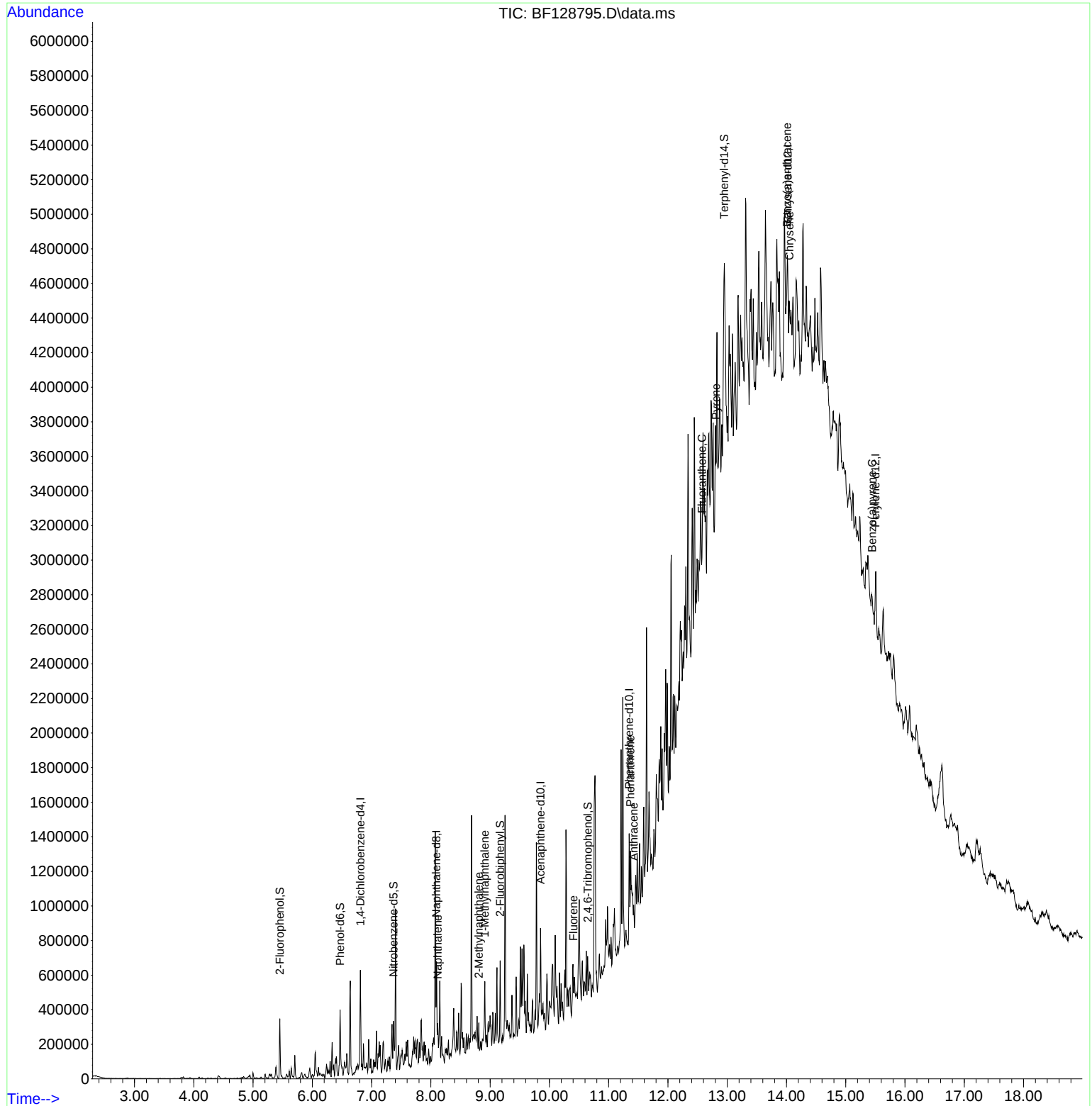
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
Data File : BF128795.D
Acq On : 13 Jun 2022 20:46
Operator : CG\JU
Sample : N3304-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

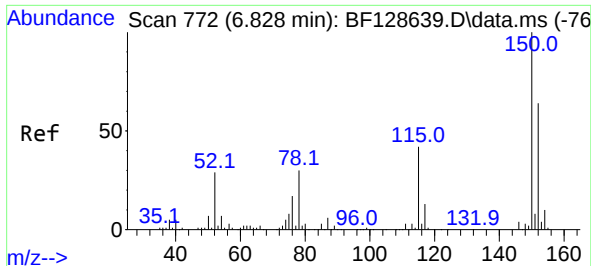
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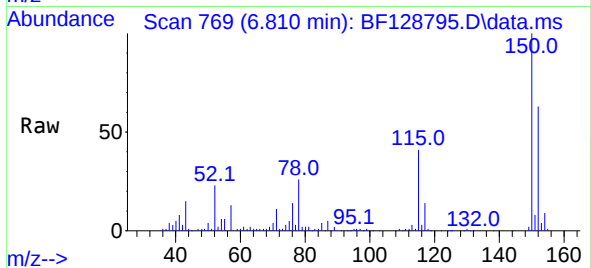
Quant Time: Jun 14 01:57:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

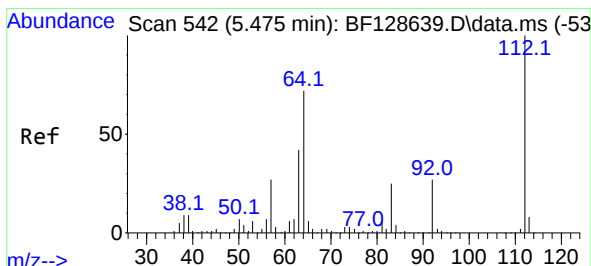
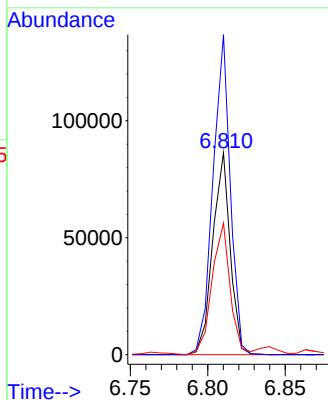
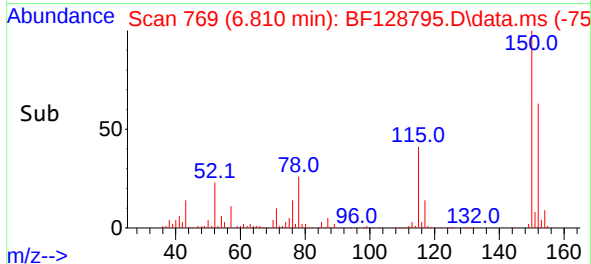
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G



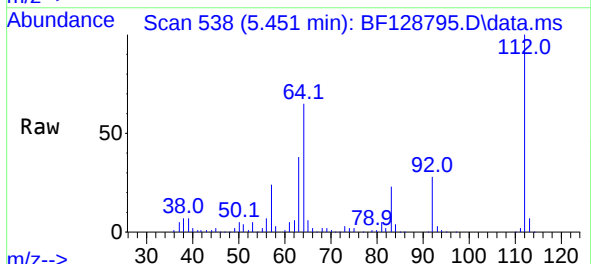
Tgt Ion:152 Resp: 6779
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 65.2 49.9 74.9

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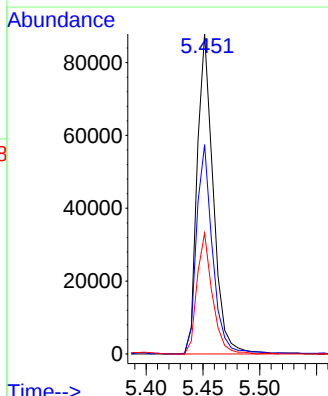
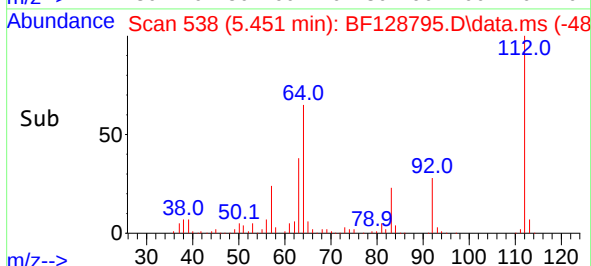
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

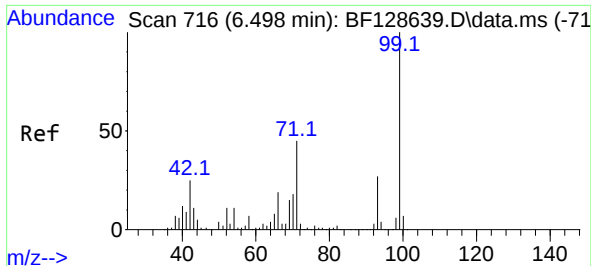


#5
2-Fluorophenol
Concen: 20.266 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



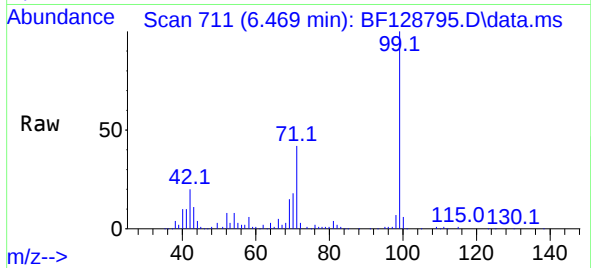
Tgt Ion:112 Resp: 86255
Ion Ratio Lower Upper
112 100
64 65.4 53.3 79.9
63 37.8 28.0 42.0





#7
Phenol-d6
Concen: 20.308 ng
RT: 6.469 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

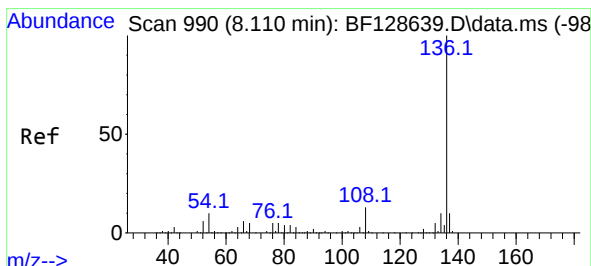
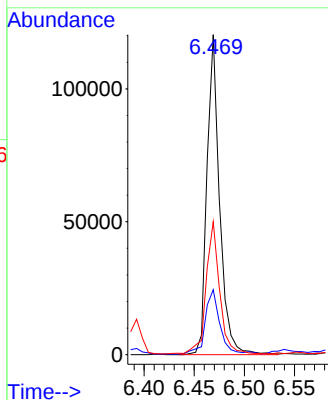
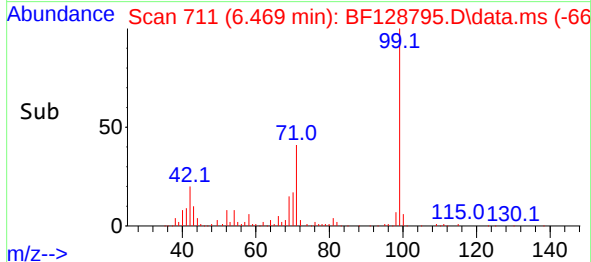
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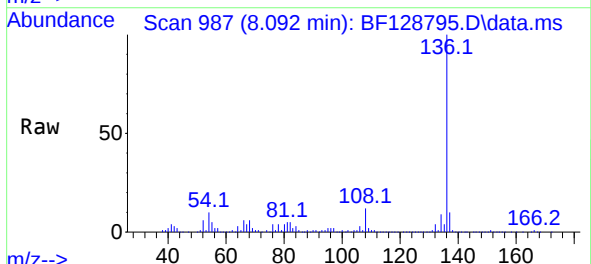
Tgt Ion: 99 Resp: 105500
Ion Ratio Lower Upper
99 100
42 20.3 17.3 25.9
71 41.5 28.9 43.3

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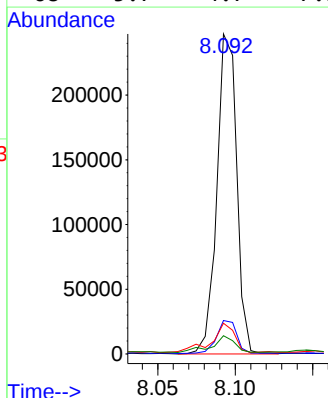
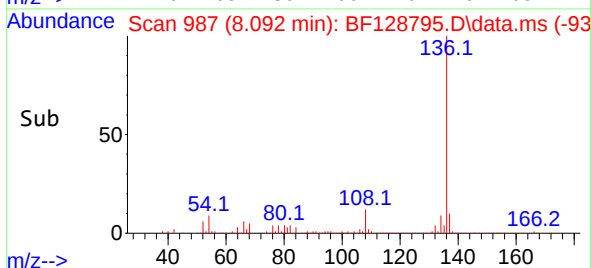
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

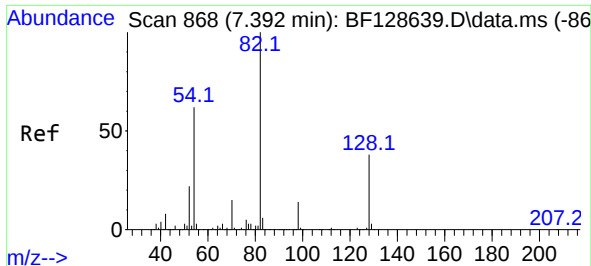


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



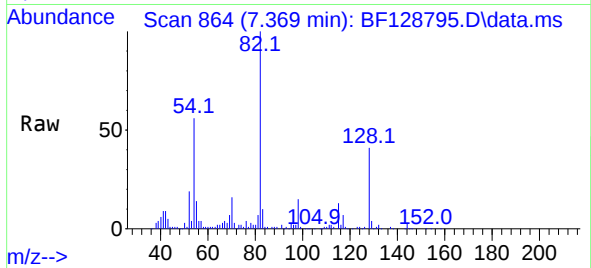
Tgt Ion:136 Resp: 219892
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 9.6 7.5 11.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 12.737 ng
RT: 7.369 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

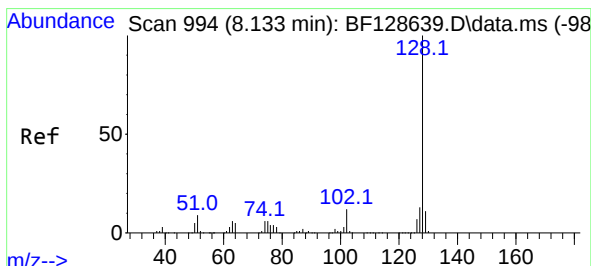
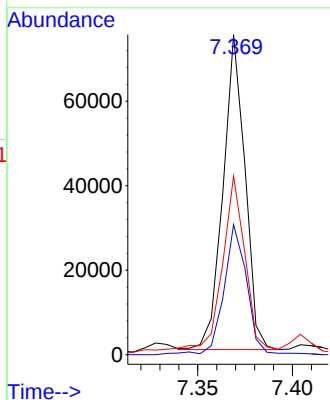
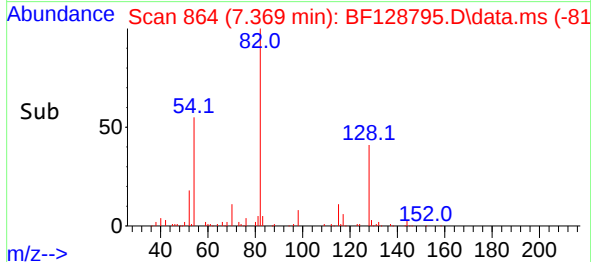
Instrument :
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ClientSampleId :
WC-14A-1A-9-G



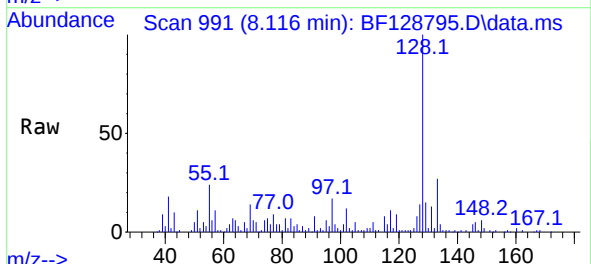
Tgt Ion: 82 Resp: 60158
Ion Ratio Lower Upper
82 100
128 40.7 34.0 51.0
54 55.9 46.9 70.3

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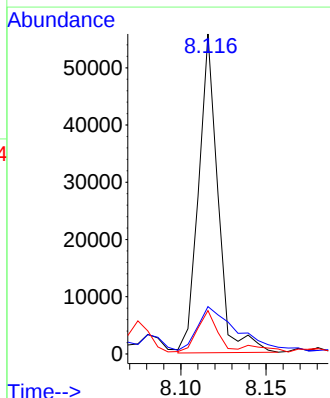
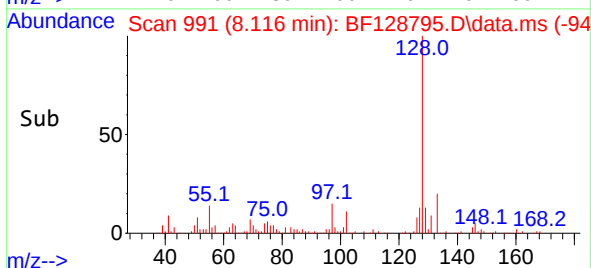
Reviewed By :Christian Giraldo 06/14/2022
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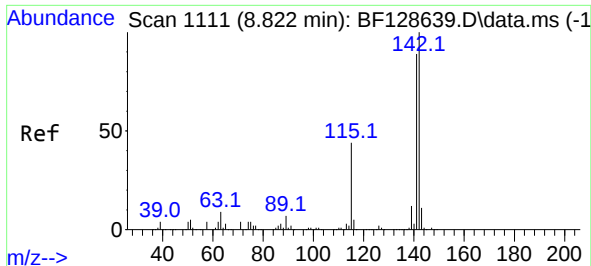


#31
Naphthalene
Concen: 3.908 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



Tgt Ion:128 Resp: 44105
Ion Ratio Lower Upper
128 100
129 14.8 9.2 13.8#
127 13.5 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.900 ng

RT: 8.810 min Scan# 1111

Delta R.T. -0.000 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

Tgt Ion:142 Resp: 35169

Ion Ratio Lower Upper

142 100

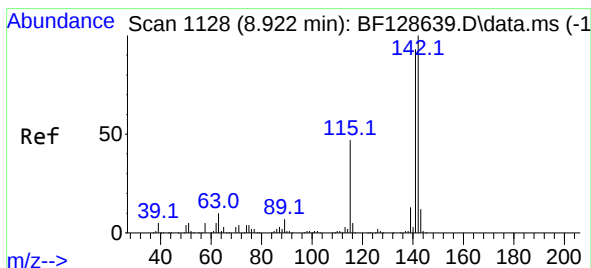
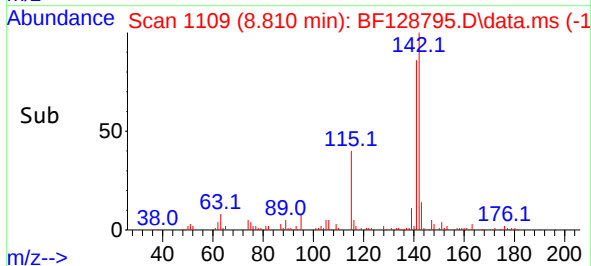
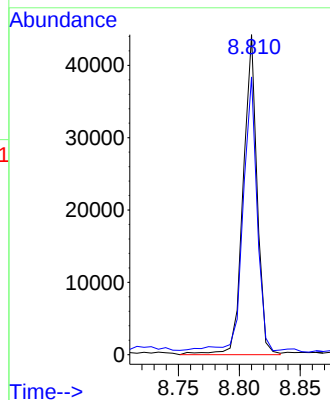
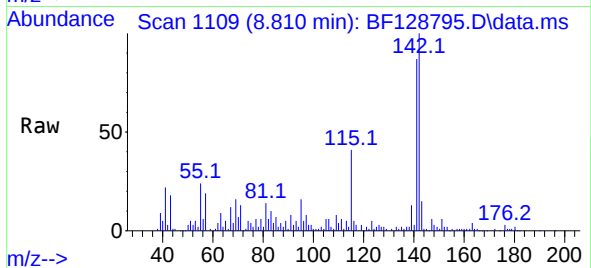
141 86.8 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/14/2022



#38

1-Methylnaphthalene

Concen: 12.221 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF128795.D

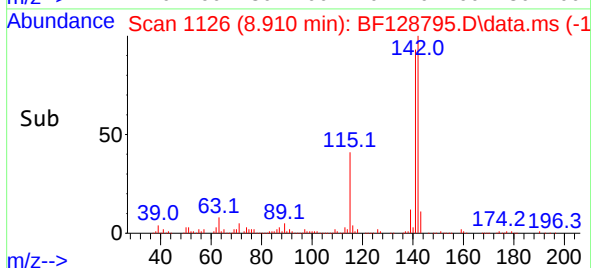
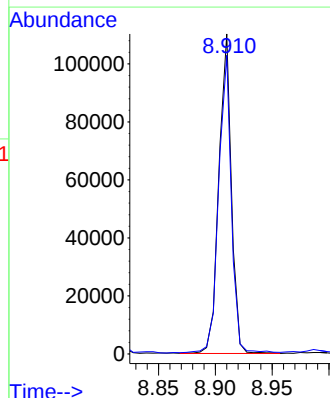
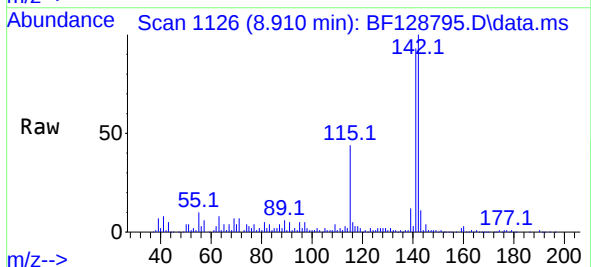
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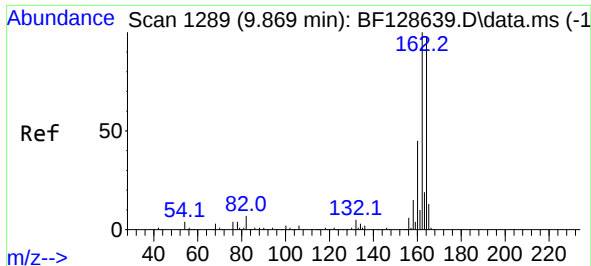
Tgt Ion:142 Resp: 84749

Ion Ratio Lower Upper

142 100

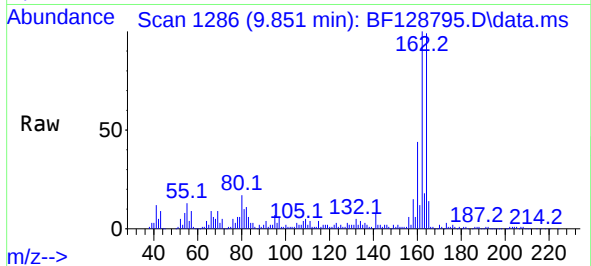
141 93.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

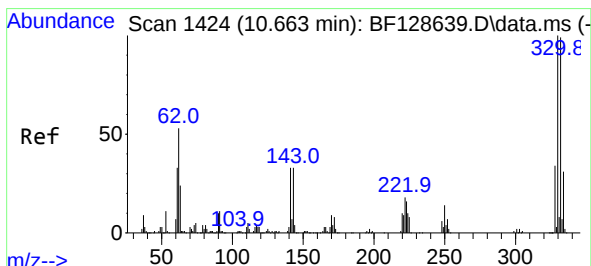
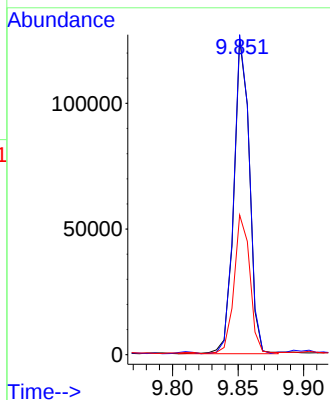
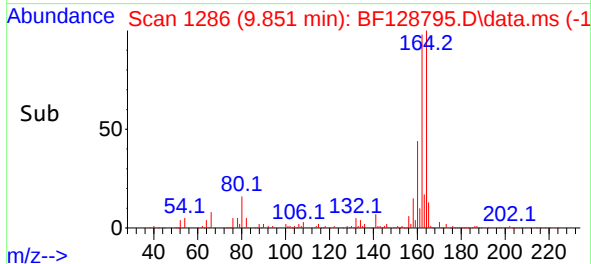
Instrument :
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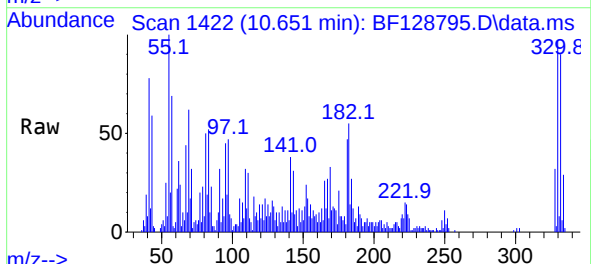
Tgt Ion:164 Resp: 10388
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.2 34.2 51.4

Manual Integrations
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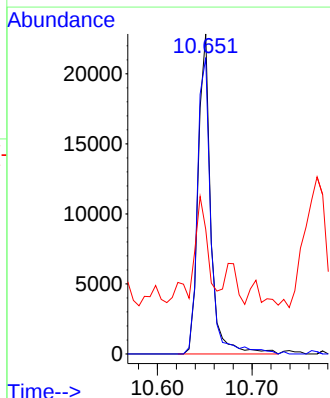
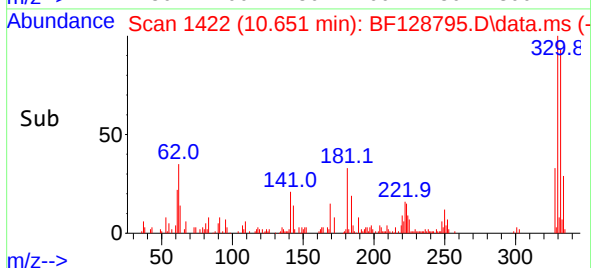
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Supervised By :Jagrut Upadhyay 06/14/2022

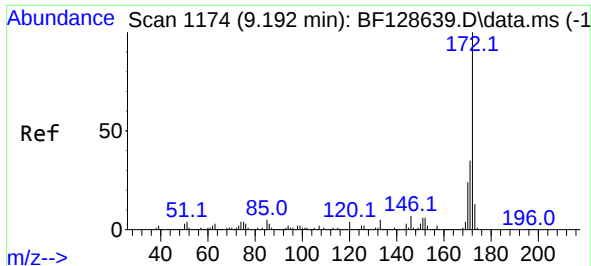


#42
2,4,6-Tribromophenol
Concen: 17.241 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



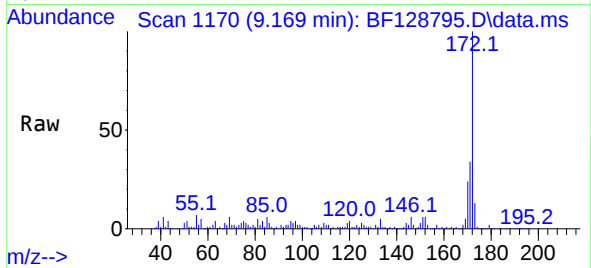
Tgt Ion:330 Resp: 21163
Ion Ratio Lower Upper
330 100
332 99.1 76.8 115.2
141 36.8 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 16.955 ng
RT: 9.169 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

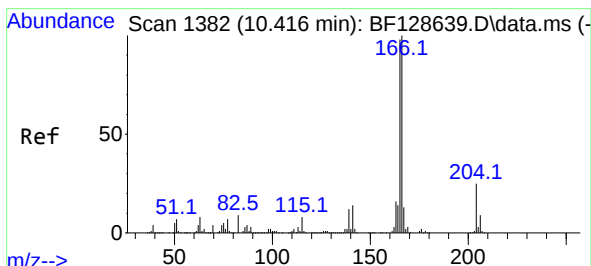
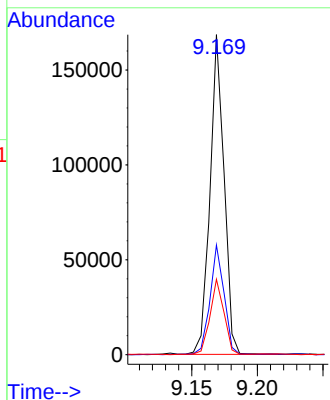
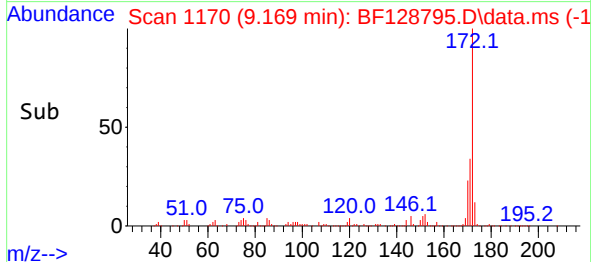
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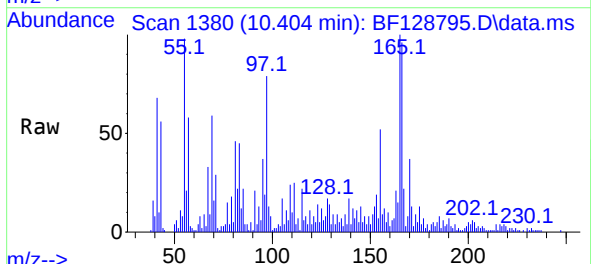
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Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 23.6 19.8 29.8

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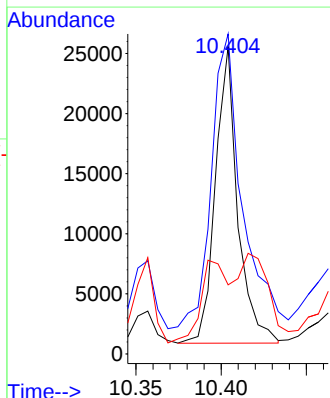
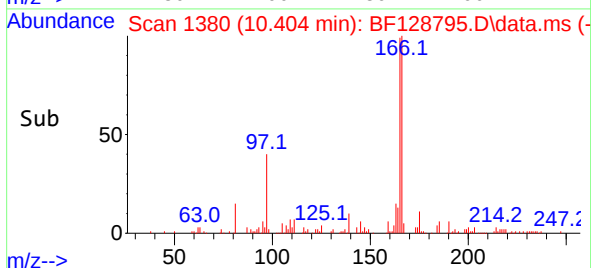
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

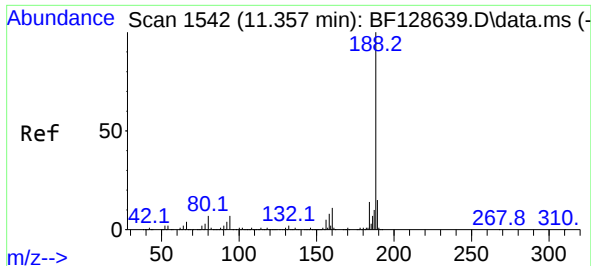


#58
Fluorene
Concen: 3.391 ng
RT: 10.404 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



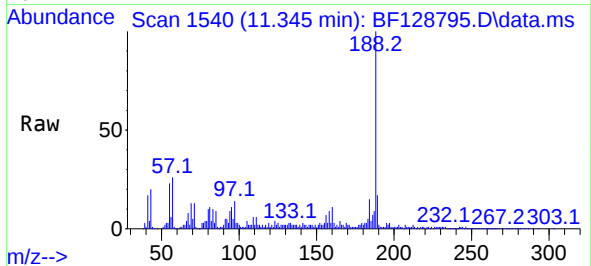
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Ion Ratio Lower Upper
166 100
165 104.0 78.1 117.1
167 22.5 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

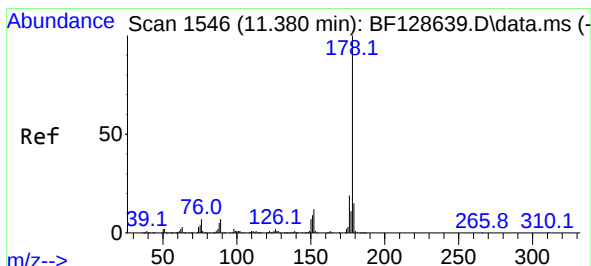
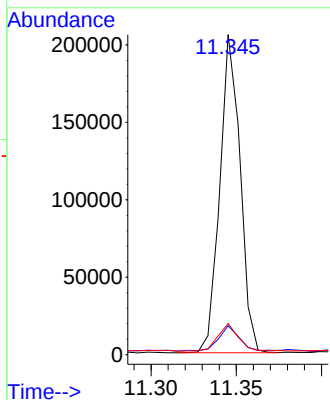
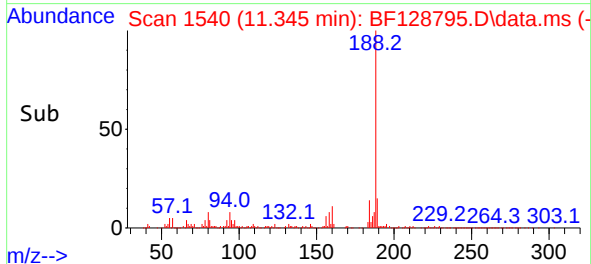
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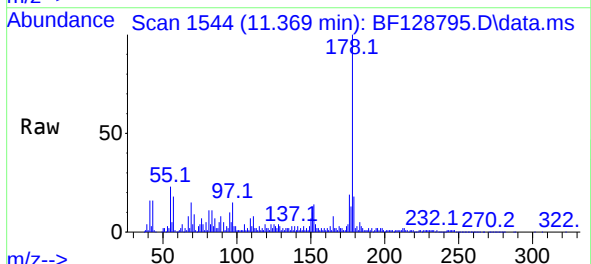
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Ion Ratio Lower Upper
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94 9.0 7.0 10.6
80 9.7 7.6 11.4

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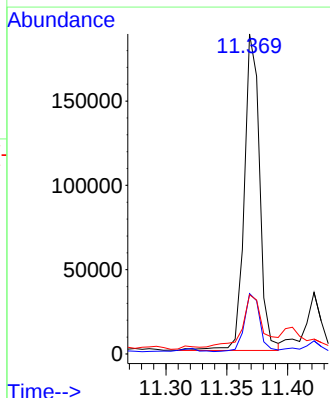
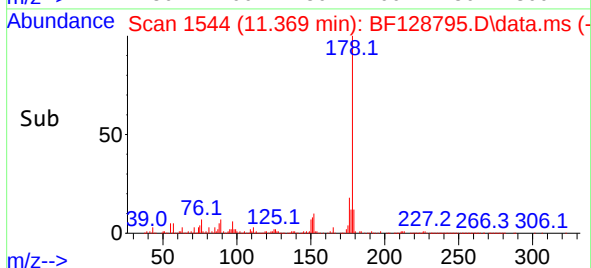
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

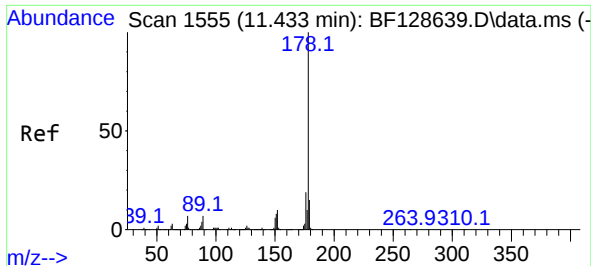


#71
Phenanthrene
Concen: 19.273 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



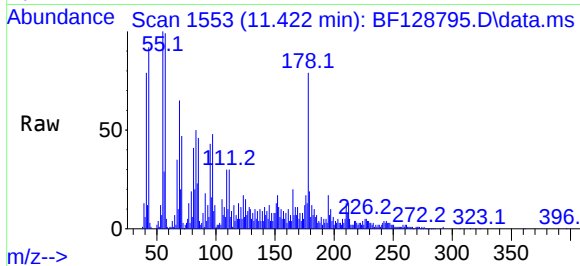
Tgt Ion:178 Resp: 164829
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 18.5 12.6 19.0





#72
 Anthracene
 Concen: 3.361 ng m
 RT: 11.422 min Scan# 1553
 Delta R.T. -0.000 min
 Lab File: BF128795.D
 Acq: 13 Jun 2022 20:46

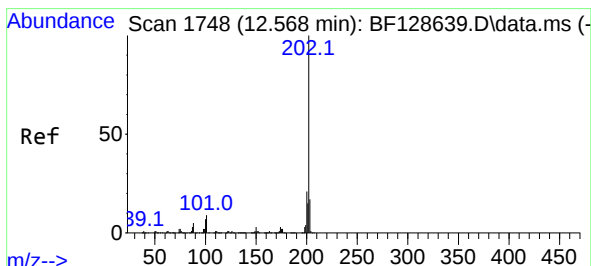
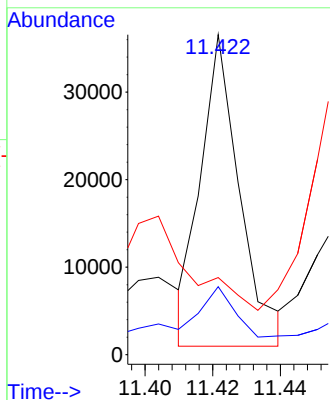
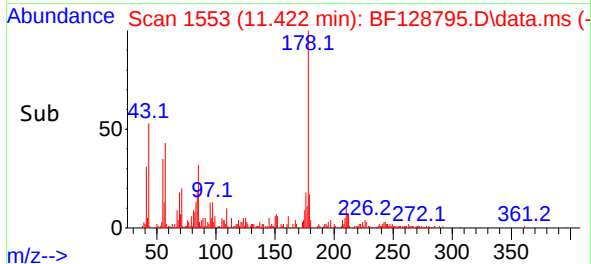
Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-9-G



Tgt Ion:178 Resp: 28450
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.4 23.2
 179 24.1 12.6 19.0

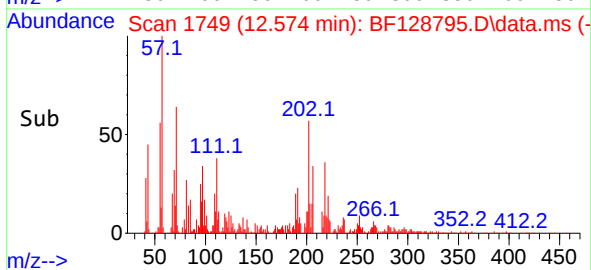
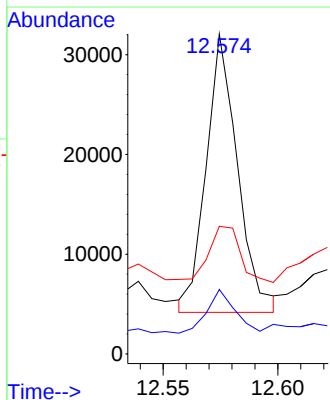
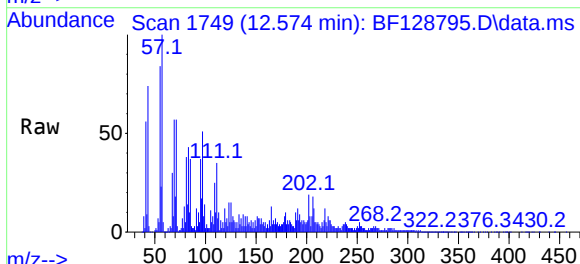
Manual Integrations
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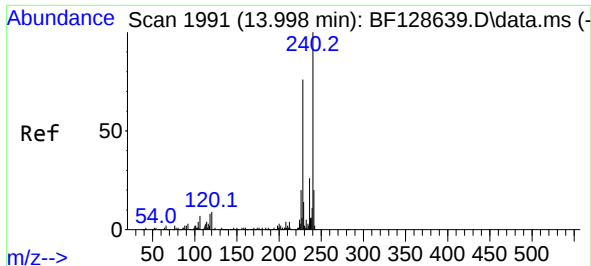
Reviewed By :Christian Giraldo 06/14/2022
 Supervised By :Jagrut Upadhyay 06/14/2022



#75
 Fluoranthene
 Concen: 2.966 ng m
 RT: 12.574 min Scan# 1749
 Delta R.T. 0.017 min
 Lab File: BF128795.D
 Acq: 13 Jun 2022 20:46

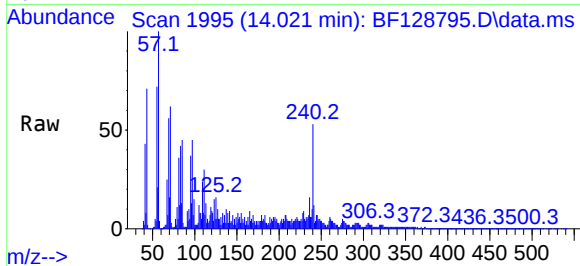
Tgt Ion:202 Resp: 26514
 Ion Ratio Lower Upper
 202 100
 101 20.1 0.0 31.4
 203 39.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. 0.035 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

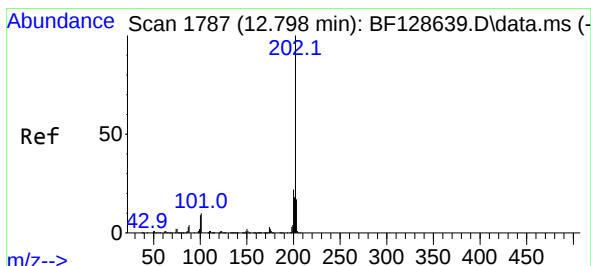
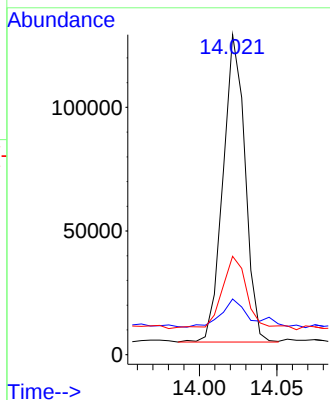
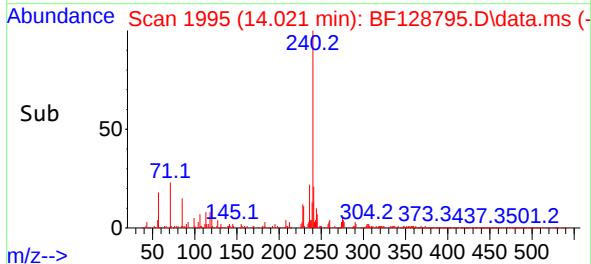
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G



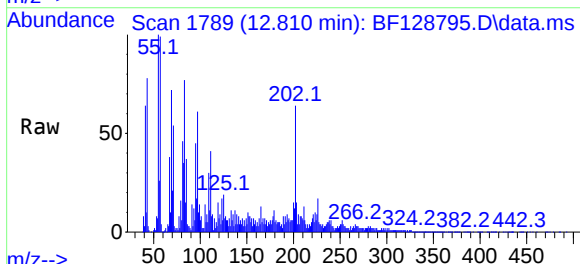
Tgt Ion:240 Resp: 122958
Ion Ratio Lower Upper
240 100
120 17.4 8.9 13.3
236 30.8 20.8 31.2

Manual Integrations
APPROVED

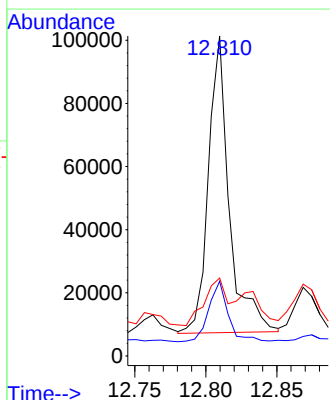
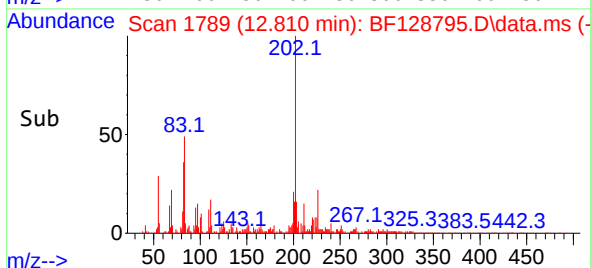
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

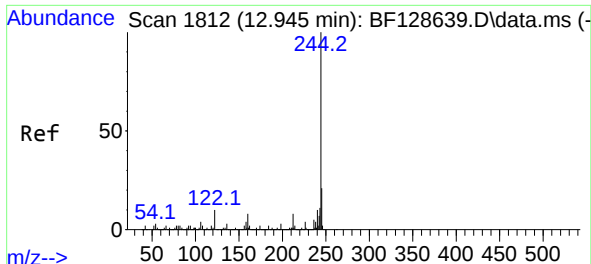


#78
Pyrene
Concen: 10.516 ng
RT: 12.810 min Scan# 1789
Delta R.T. 0.023 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46



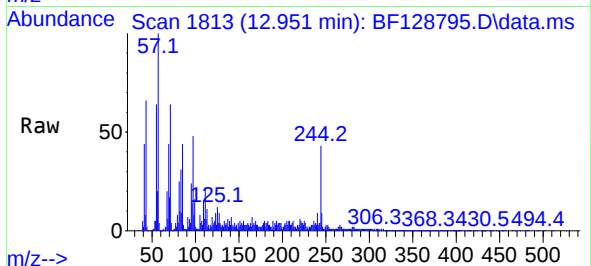
Tgt Ion:202 Resp: 96203
Ion Ratio Lower Upper
202 100
200 23.4 17.7 26.5
203 24.3 14.6 21.8





#79
Terphenyl-d14
Concen: 17.162 ng
RT: 12.951 min Scan# 1812
Delta R.T. 0.017 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

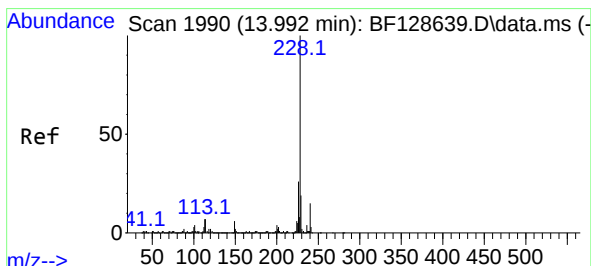
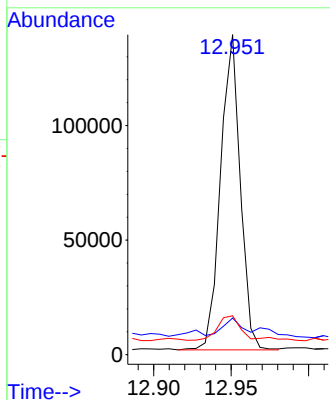
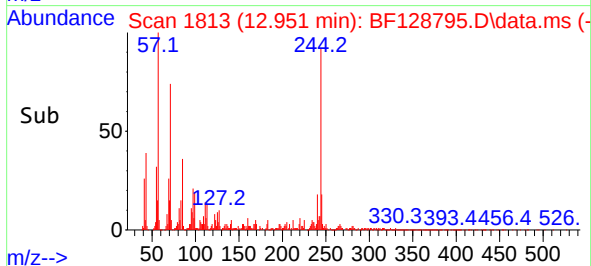
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G



Tgt Ion:244 Resp: 12144
Ion Ratio Lower Upper
244 100
212 11.5 6.1 9.1
122 12.2 8.8 13.2

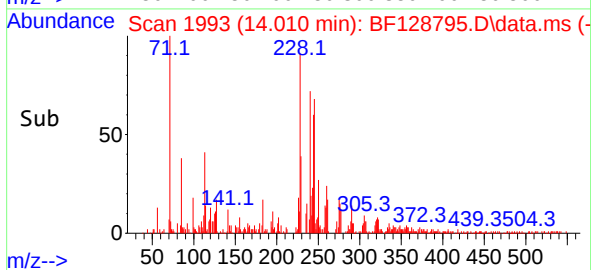
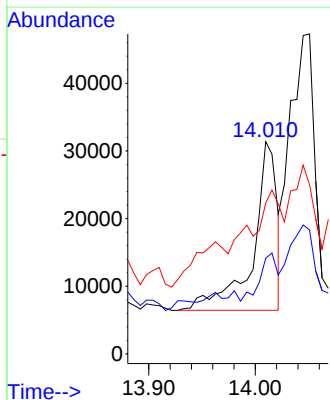
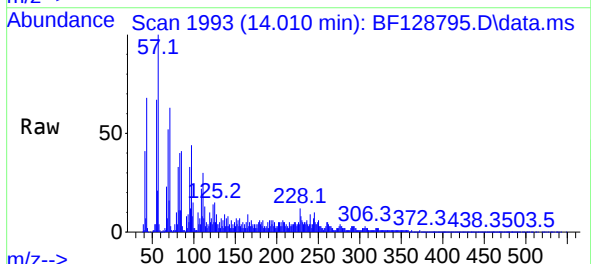
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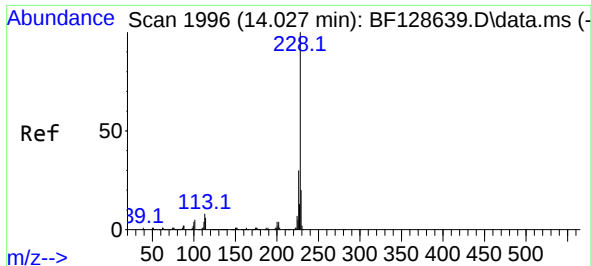
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#81
Benzo(a)anthracene
Concen: 5.061 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.035 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

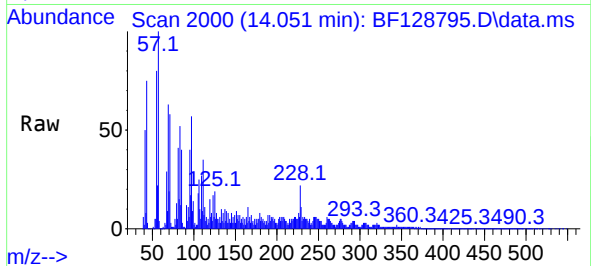
Tgt Ion:228 Resp: 38793
Ion Ratio Lower Upper
228 100
226 45.1 22.1 33.1#
229 71.1 15.8 23.8#





#83
Chrysene
Concen: 8.849 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.035 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

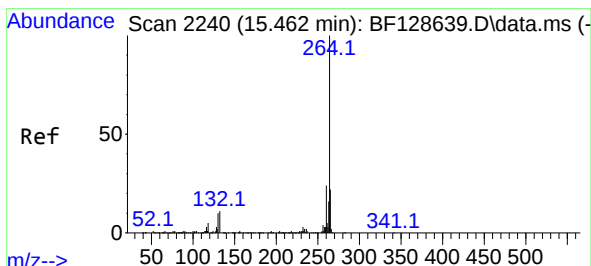
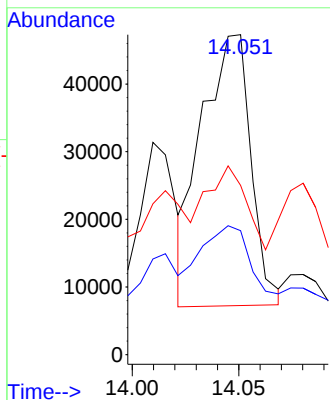
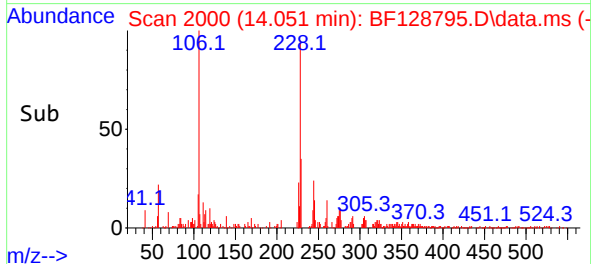
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G



Tgt Ion:228 Resp: 64659
Ion Ratio Lower Upper
228 100
226 38.8 24.3 36.5
229 52.9 15.9 23.9

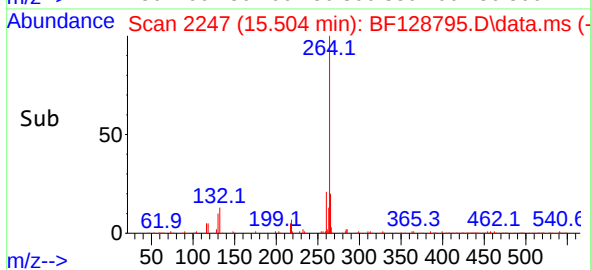
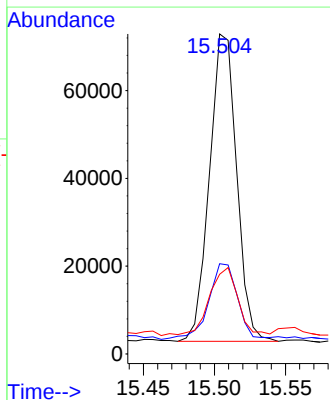
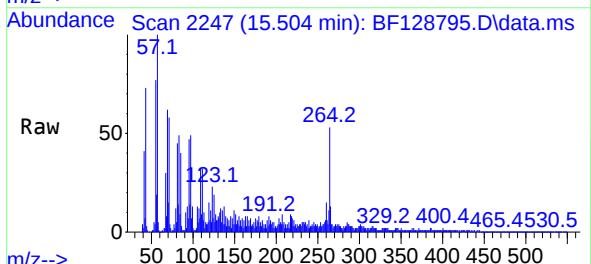
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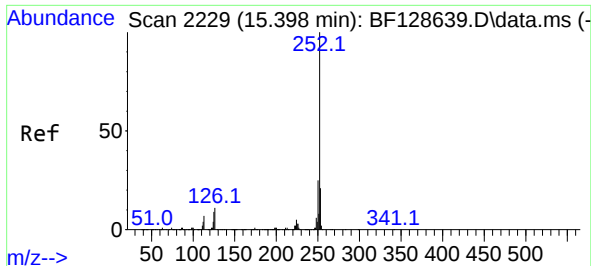
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.059 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:264 Resp: 93072
Ion Ratio Lower Upper
264 100
260 28.2 18.4 27.6
265 24.9 17.2 25.8





#90

Benzo(a)pyrene

Concen: 3.050 ng m

RT: 15.445 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF128795.D

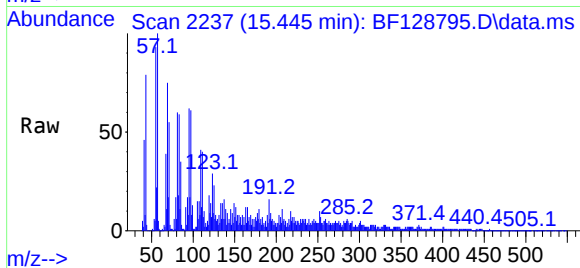
Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G



Tgt Ion:	252	Resp:	1425
Ion Ratio	Lower	Upper	
252	100		
253	65.8	17.0	25.6
125	223.9	8.8	13.2

Manual Integrations

APPROVED

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

