

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128736.D
 Acq On : 08 Jun 2022 15:31
 Operator : CG\JU
 Sample : N3197-01DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 15:50:15 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	72727	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	246972	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	118618	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	193550	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	177839	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	140618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	15244	3.339	ng	0.01
7) Phenol-d6	6.481	99	16368	2.937	ng	0.00
23) Nitrobenzene-d5	7.369	82	10519	1.983	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	2784	1.986	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	18544	2.190	ng	0.00
79) Terphenyl-d14	12.921	244	18227	1.781	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	138186	14.234	ng	99
72) Anthracene	11.416	178	51246	5.333	ng	99
75) Fluoranthene	12.557	202	368145	36.278	ng	95
78) Pyrene	12.786	202	321312	24.285	ng	99
81) Benzo(a)anthracene	13.974	228	170482	15.379	ng	99
83) Chrysene	14.010	228	142901m	13.521	ng	
87) Indeno(1,2,3-cd)pyrene	16.892	276	57726	6.811	ng	# 90
88) Benzo(b)fluoranthene	15.021	252	167523m	18.644	ng	
89) Benzo(k)fluoranthene	15.045	252	50344m	5.956	ng	
90) Benzo(a)pyrene	15.386	252	115006m	16.285	ng	
92) Benzo(g,h,i)perylene	17.333	276	54091	7.763	ng	96

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

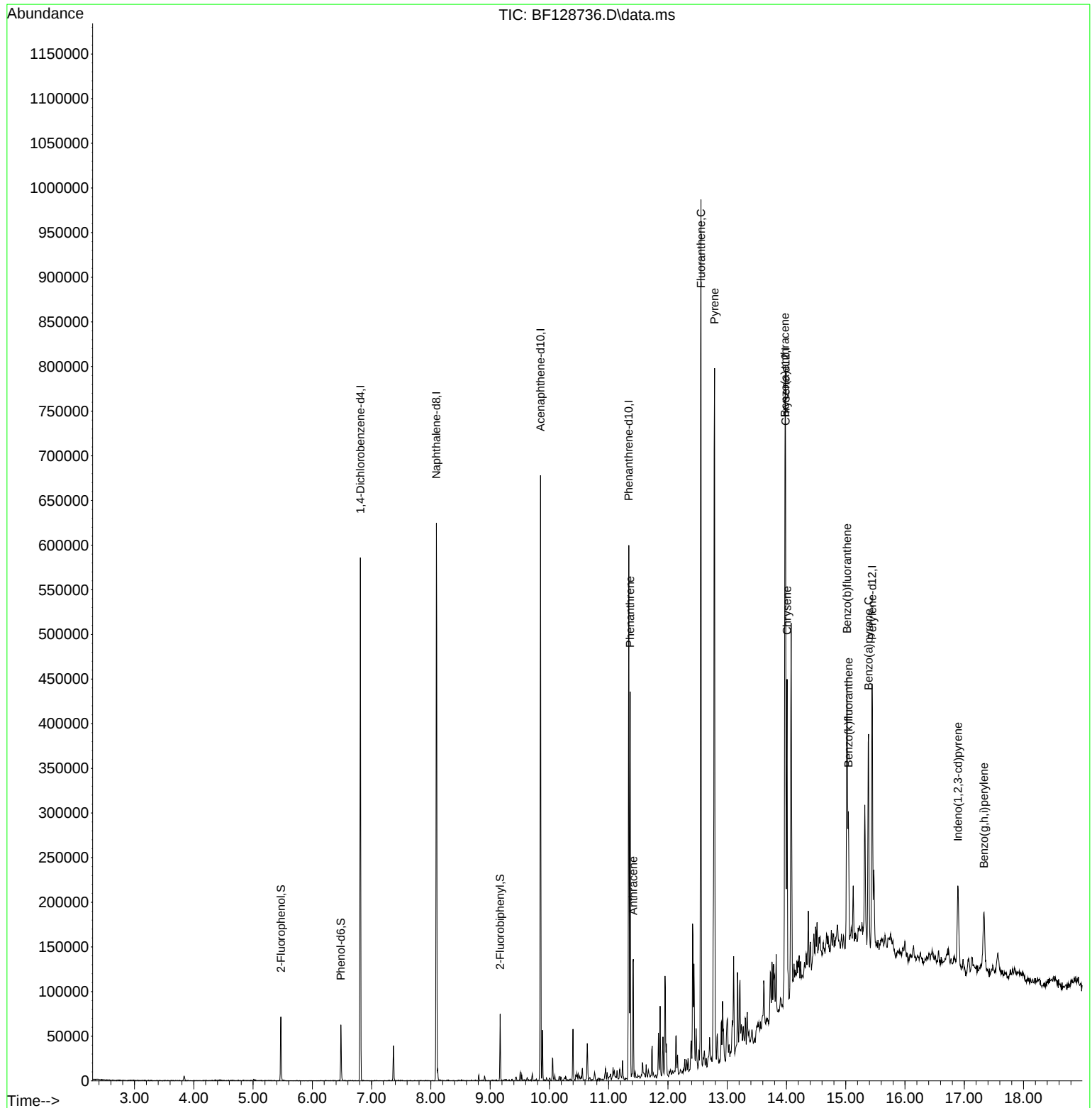
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
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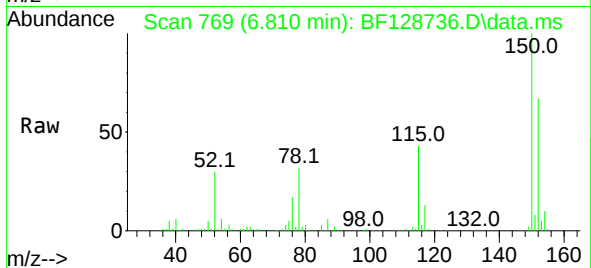
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

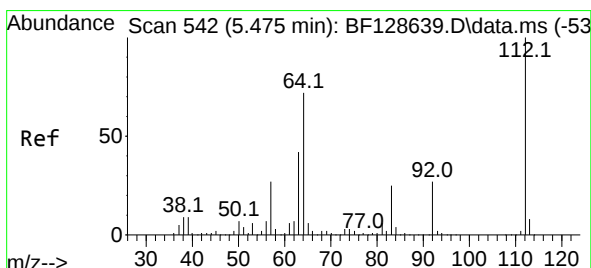
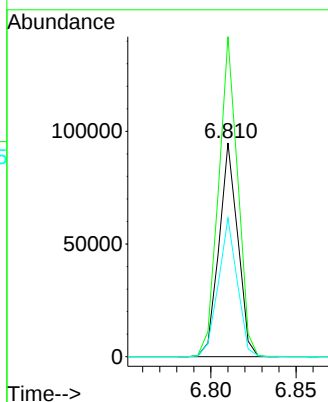
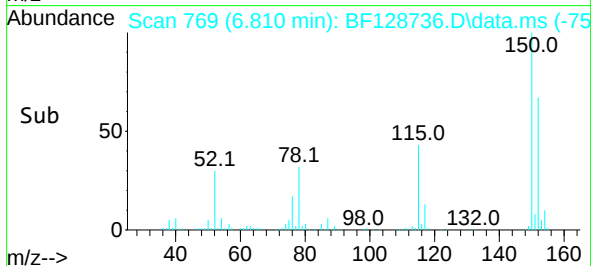
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



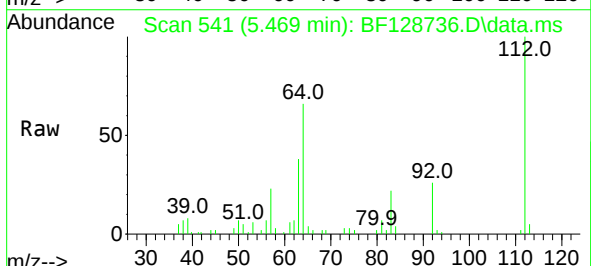
Tgt Ion:152 Resp: 7272
Ion Ratio Lower Upper
152 100
150 149.7 123.7 185.5
115 64.9 49.9 74.9

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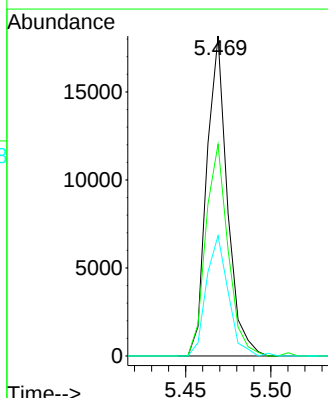
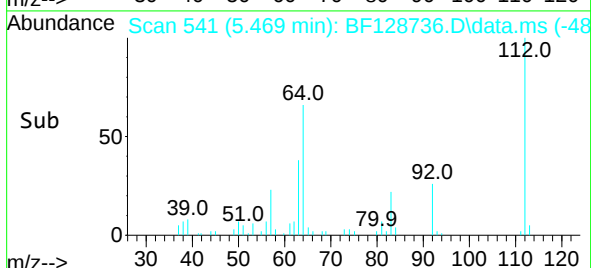
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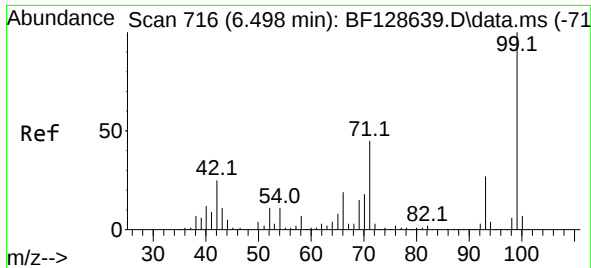


#5
2-Fluorophenol
Concen: 3.339 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31



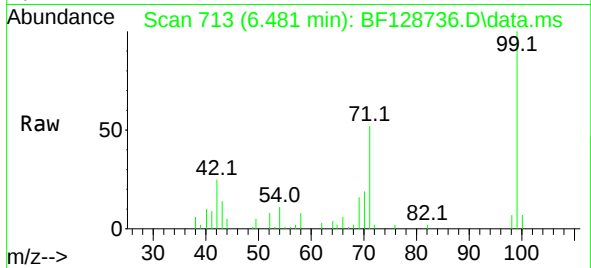
Tgt Ion:112 Resp: 15244
Ion Ratio Lower Upper
112 100
64 66.2 53.3 79.9
63 37.6 28.0 42.0





#7
Phenol-d6
Concen: 2.937 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

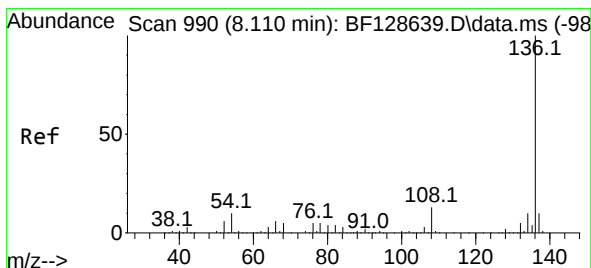
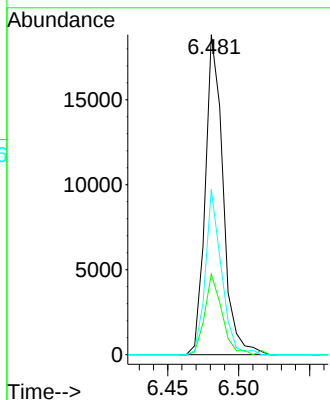
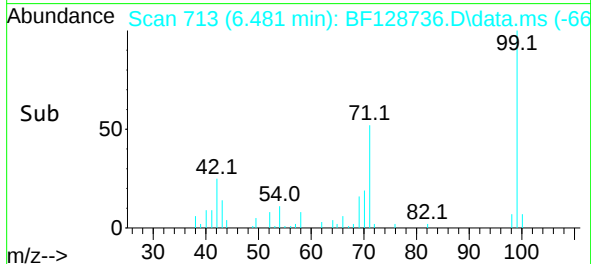
Instrument :
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ClientSampleId :
SU-3-060322DL



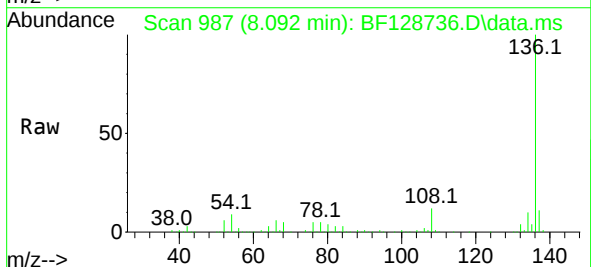
Tgt Ion: 99 Resp: 1636
Ion Ratio Lower Upper
99 100
42 25.2 17.3 25.9
71 51.7 28.9 43.3

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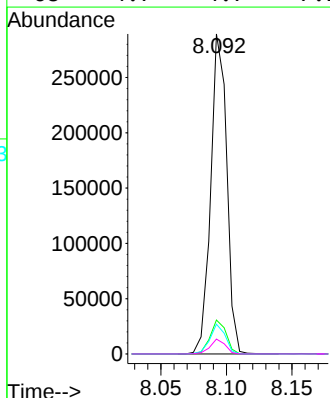
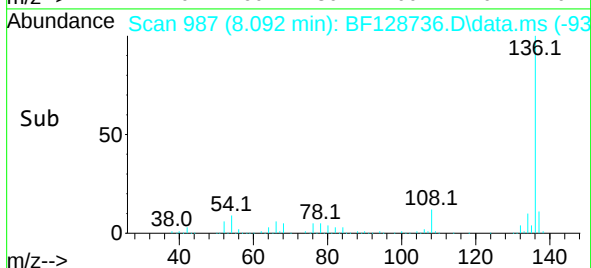
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31



Tgt Ion:136 Resp: 246972
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.3 7.5 11.3
68 4.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 1.983 ng

RT: 7.369 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

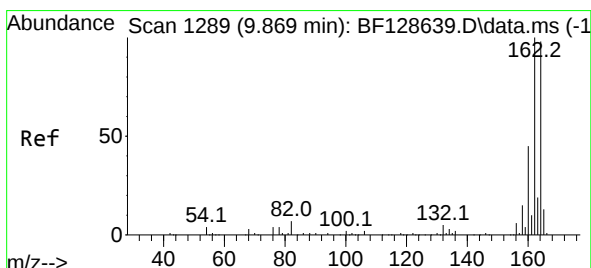
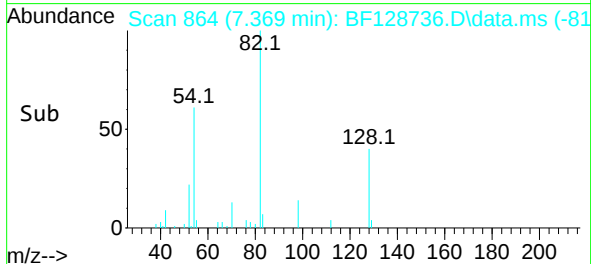
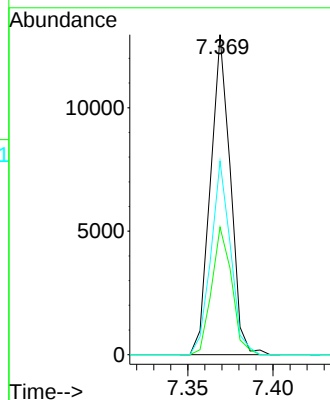
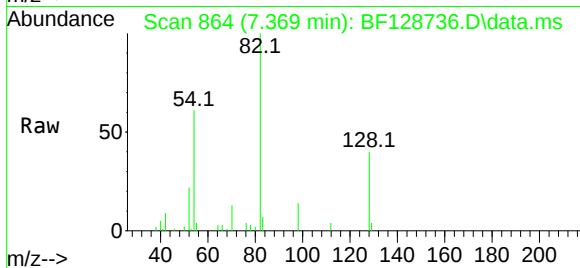
Tgt Ion: 82	Resp: 10519
Ion Ratio	Lower Upper
82	100
128	39.8 34.0 51.0
54	60.5 46.9 70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

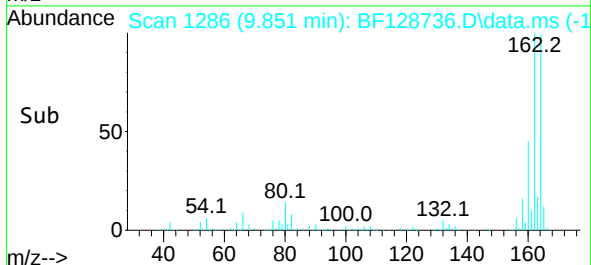
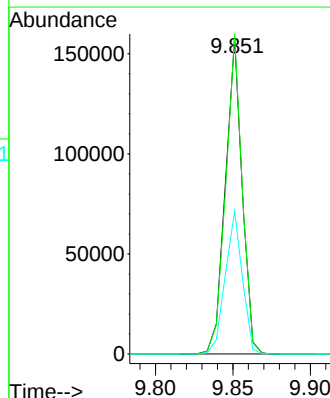
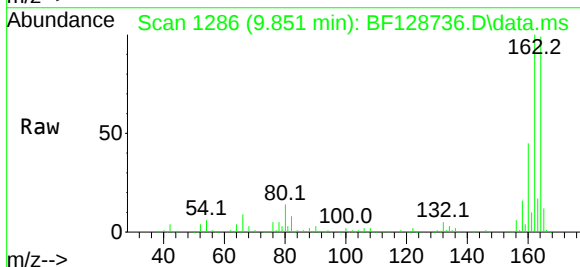
RT: 9.851 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Tgt Ion:164	Resp: 118618
Ion Ratio	Lower Upper
164	100
162	101.2 79.5 119.3
160	45.2 34.2 51.4





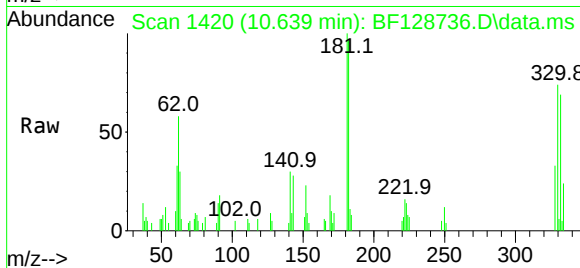
#42
2,4,6-Tribromophenol
Concen: 1.986 ng
RT: 10.639 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

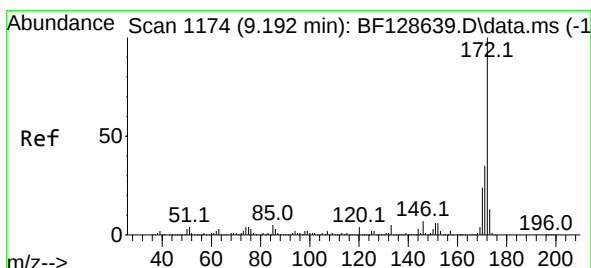
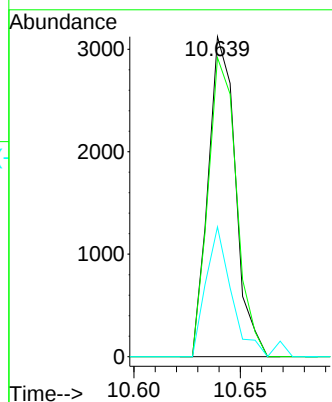
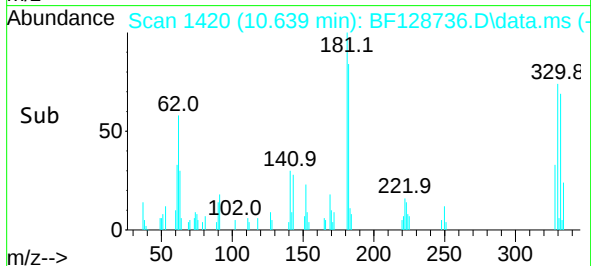


Tgt Ion: 330 Resp: 2784
Ion Ratio Lower Upper
330 100
332 97.4 76.8 115.2
141 39.5 28.0 42.0

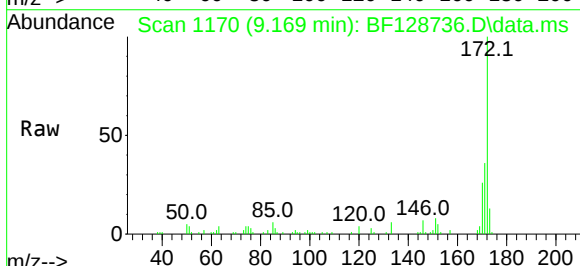
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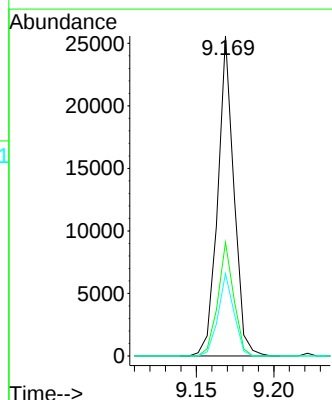
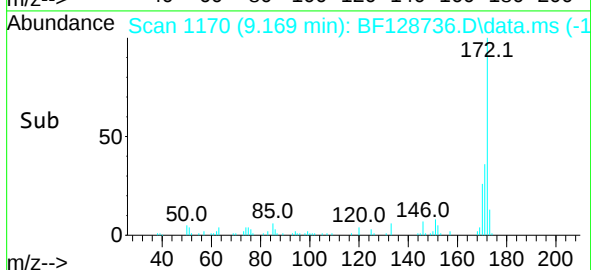
Reviewed By : Christian Giraldo 06/09/2022
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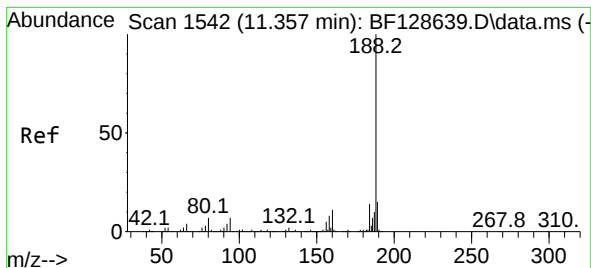


#45
2-Fluorobiphenyl
Concen: 2.190 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31



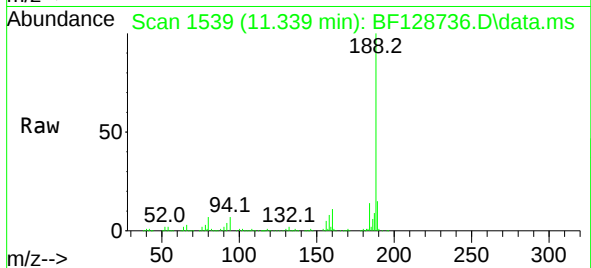
Tgt Ion: 172 Resp: 18544
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 25.8 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

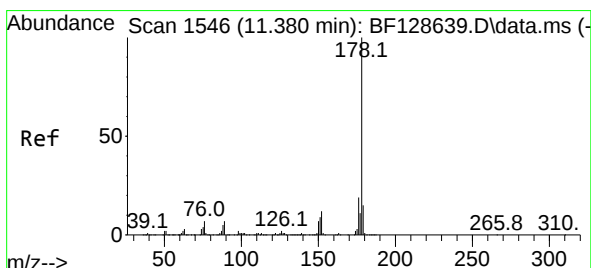
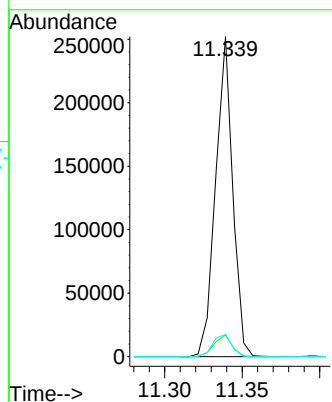
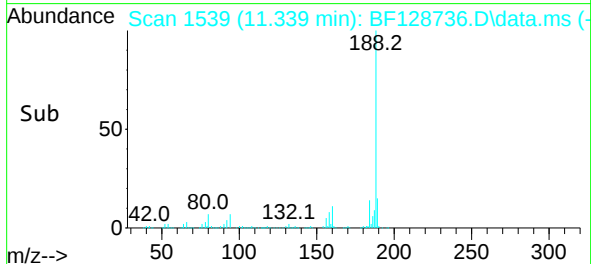
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



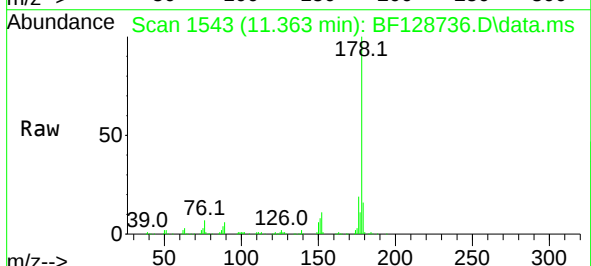
Tgt Ion:188 Resp: 193550
Ion Ratio Lower Upper
188 100
94 6.8 7.0 10.6
80 7.0 7.6 11.4

Manual Integrations
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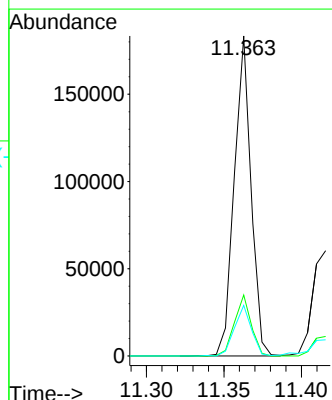
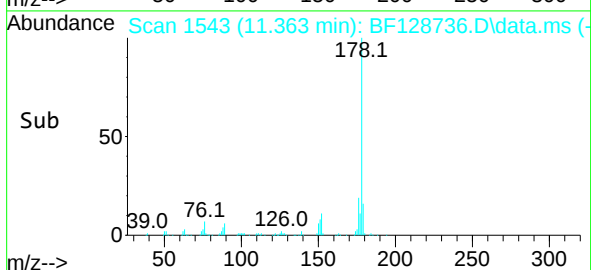
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

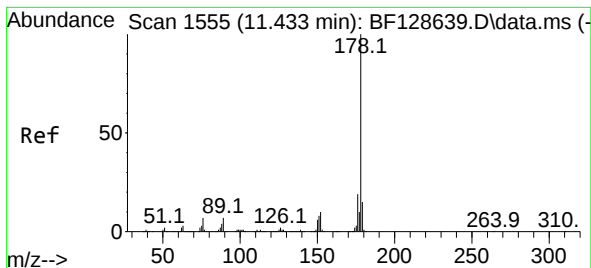


#71
Phenanthrene
Concen: 14.234 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31



Tgt Ion:178 Resp: 138186
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.8 12.6 19.0





#72

Anthracene

Concen: 5.333 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

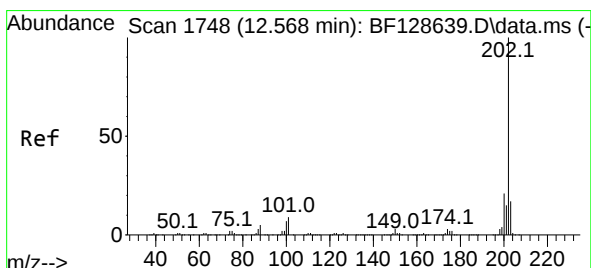
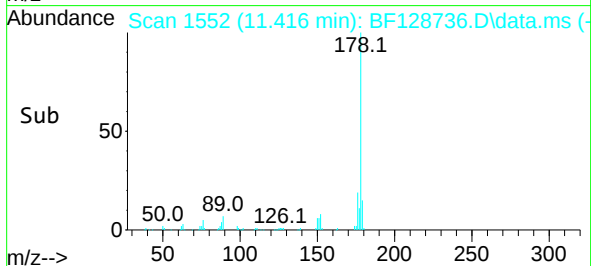
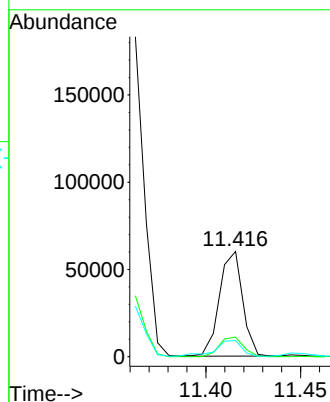
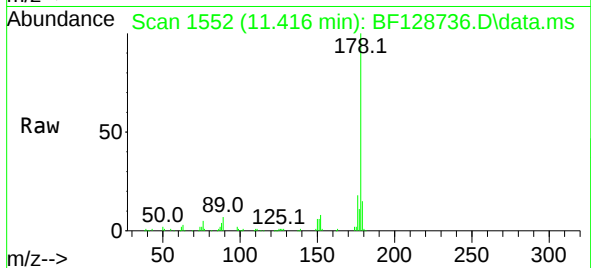
SU-3-060322DL

Tgt Ion:	178	Resp:	51240
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	15.4	12.6	19.0

Manual Integrations

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#75

Fluoranthene

Concen: 36.278 ng

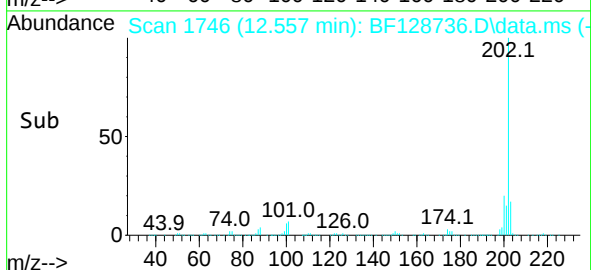
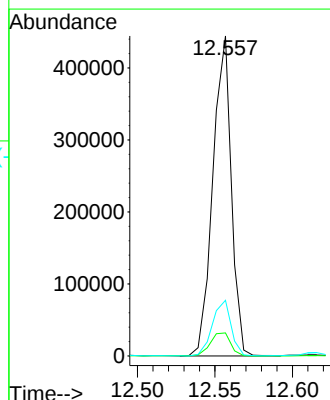
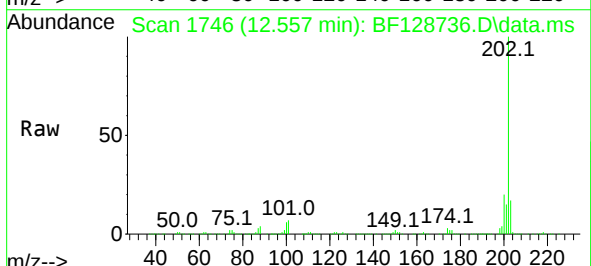
RT: 12.557 min Scan# 1746

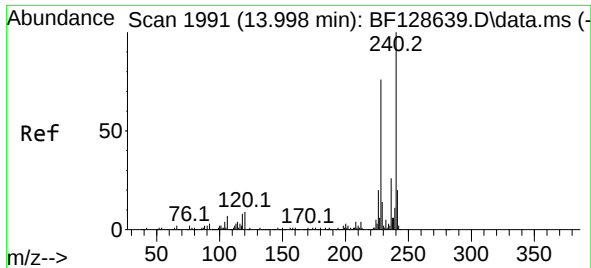
Delta R.T. -0.000 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

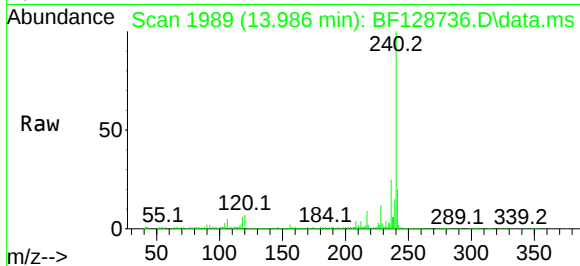
Tgt Ion:	202	Resp:	368145
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	31.4
203	17.4	0.0	38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

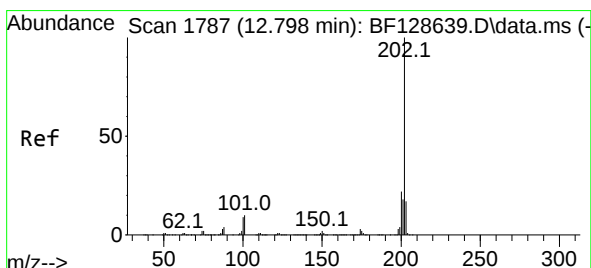
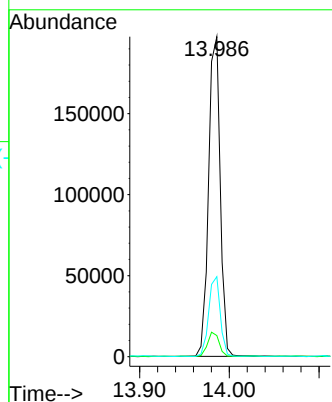
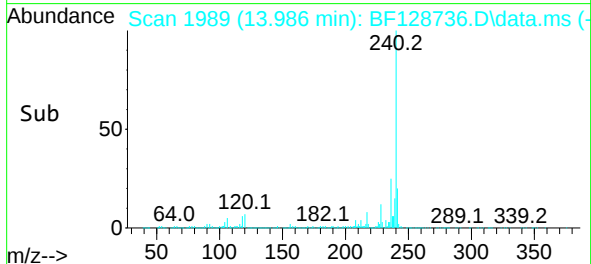
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:240 Resp: 177839
Ion Ratio Lower Upper
240 100
120 6.6 8.9 13.3
236 25.0 20.8 31.2

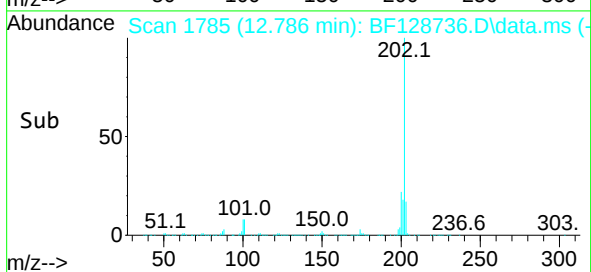
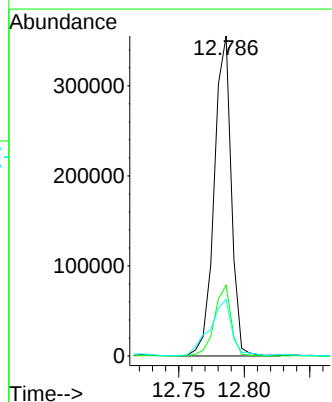
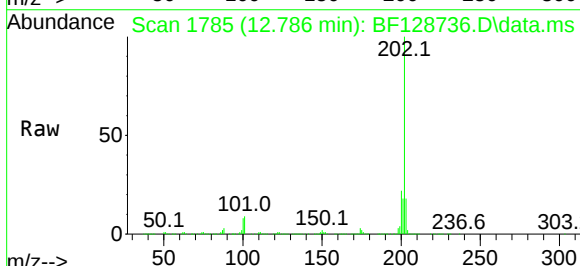
Manual Integrations
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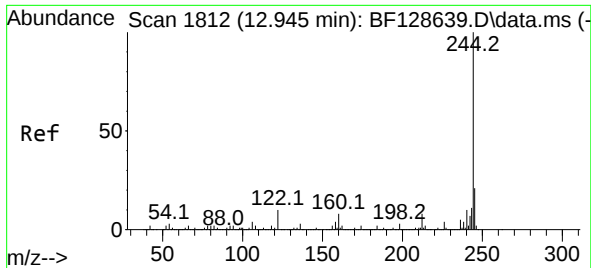
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#78
Pyrene
Concen: 24.285 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:202 Resp: 321312
Ion Ratio Lower Upper
202 100
200 22.1 17.7 26.5
203 17.7 14.6 21.8





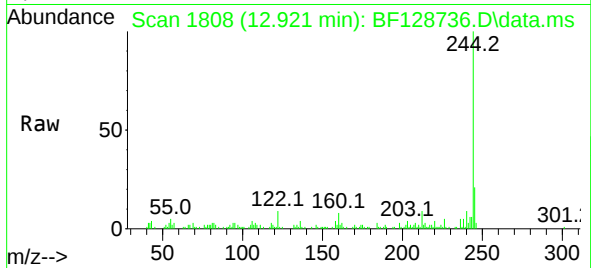
#79
 Terphenyl-d14
 Concen: 1.781 ng
 RT: 12.921 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128736.D
 Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

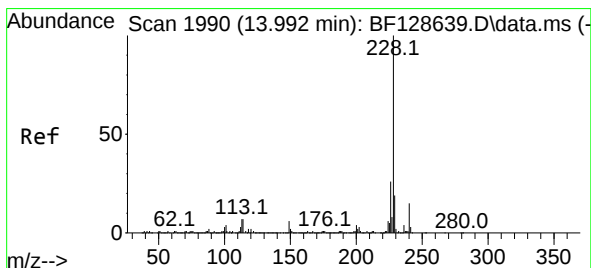
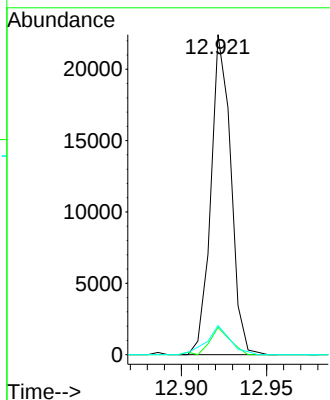
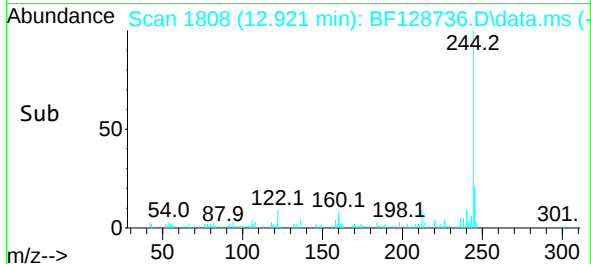


Tgt Ion:244 Resp: 18227
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.1 9.1
 122 9.1 8.8 13.2

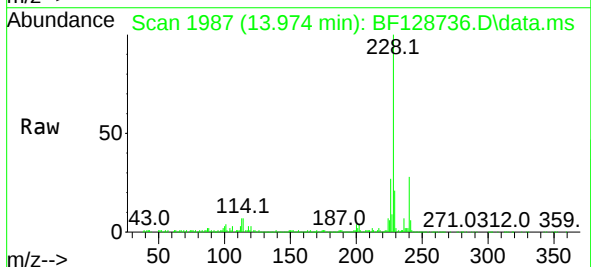
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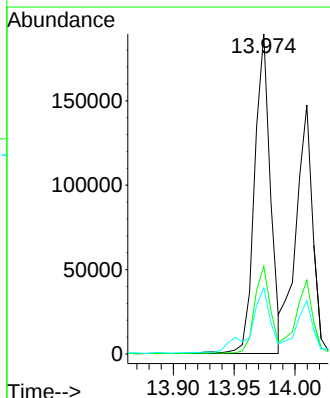
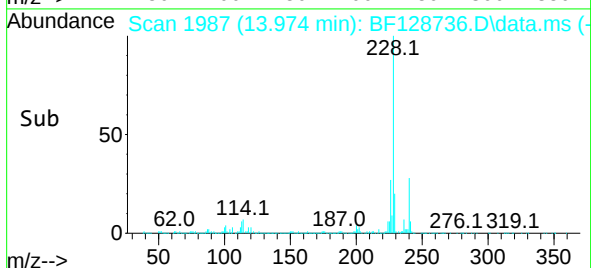
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022

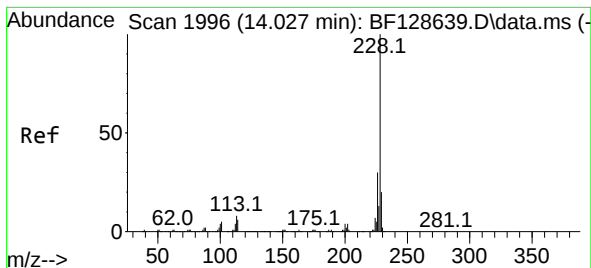


#81
 Benzo(a)anthracene
 Concen: 15.379 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128736.D
 Acq: 08 Jun 2022 15:31



Tgt Ion:228 Resp: 170482
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.1 33.1
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 13.521 ng m

RT: 14.010 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

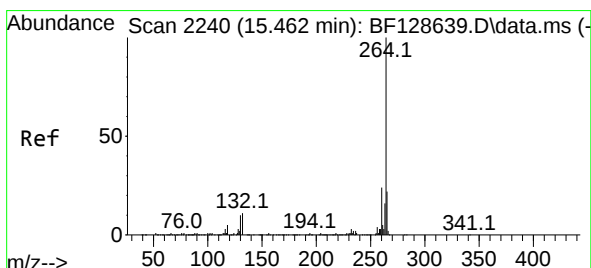
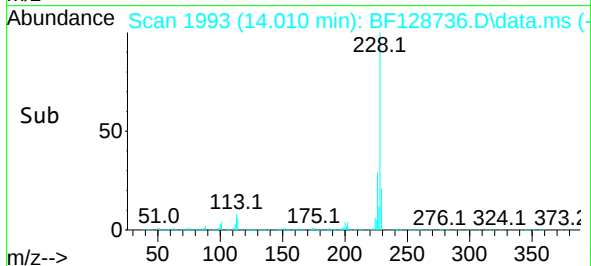
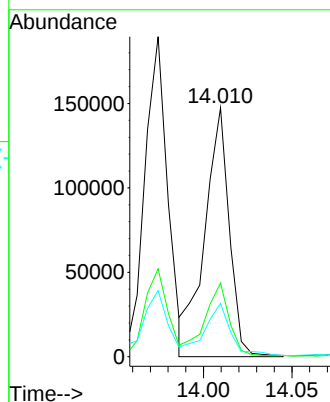
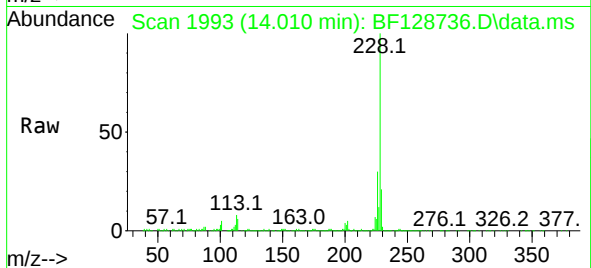
Tgt Ion:228	Resp: 14290
Ion Ratio	Lower Upper
228 100	
226 29.6	24.3 36.5
229 21.4	15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#86

Perylene-d12

Concen: 20.000 ng

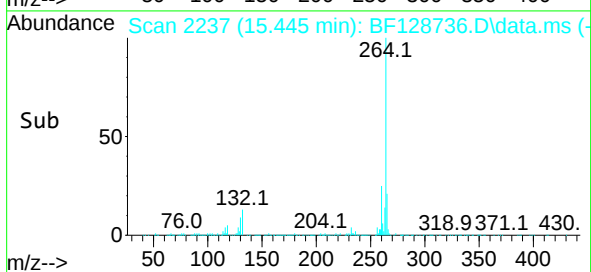
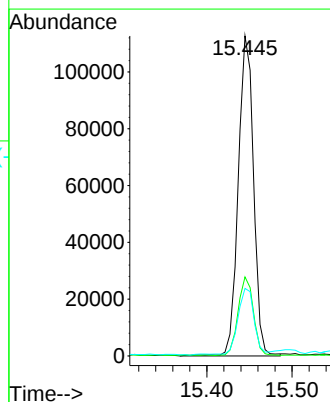
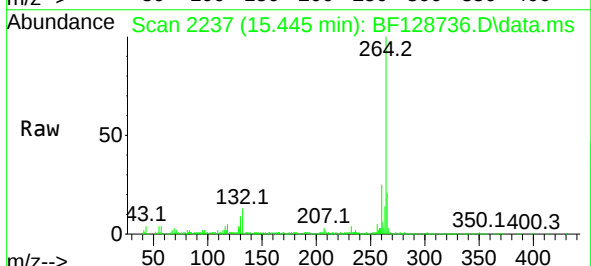
RT: 15.445 min Scan# 2237

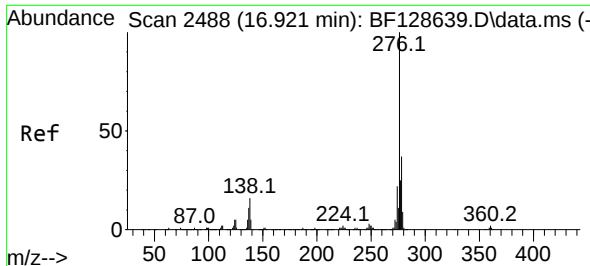
Delta R.T. -0.000 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Tgt Ion:264	Resp: 140618
Ion Ratio	Lower Upper
264 100	
260 24.7	18.4 27.6
265 21.1	17.2 25.8





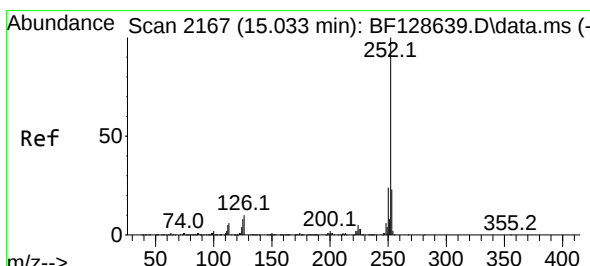
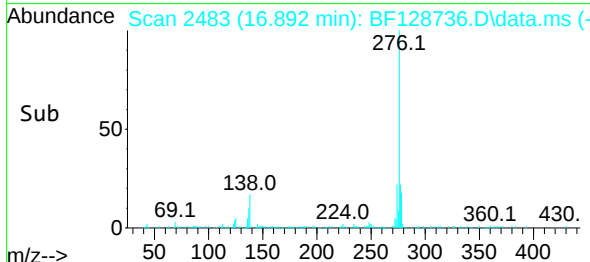
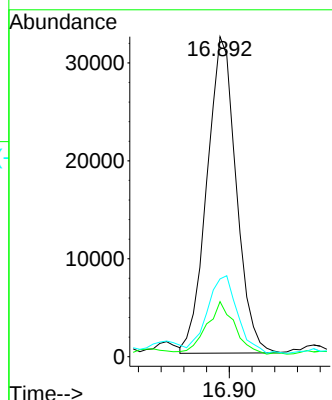
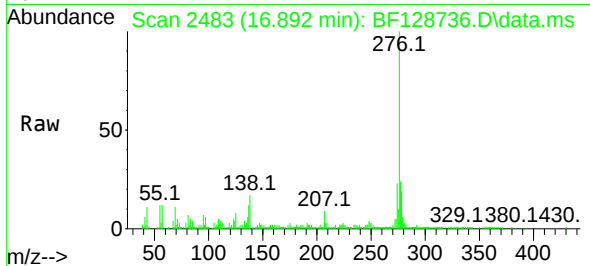
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.811 ng
RT: 16.892 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion:276 Resp: 57720
Ion Ratio Lower Upper
276 100
138 16.2 21.1 31.7
277 25.4 20.3 30.5

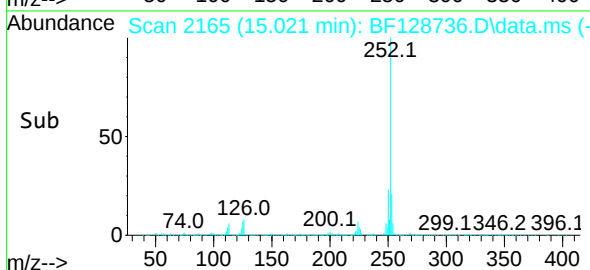
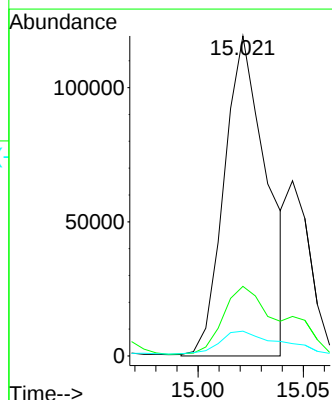
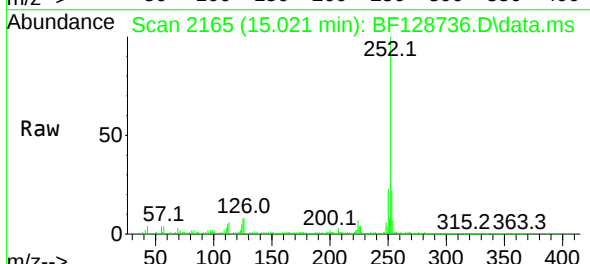
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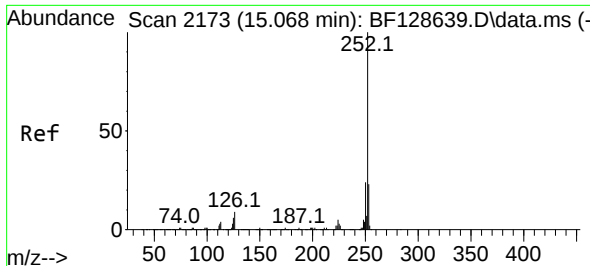
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#88
Benzo(b)fluoranthene
Concen: 18.644 ng m
RT: 15.021 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

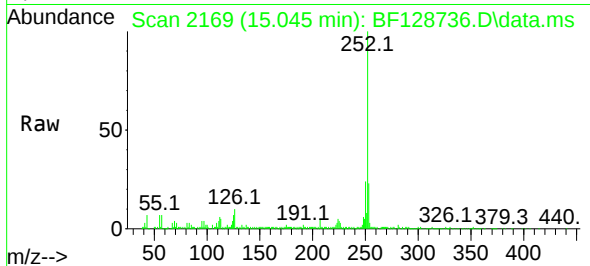
Tgt Ion:252 Resp: 167523
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.8 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 5.956 ng m
RT: 15.045 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

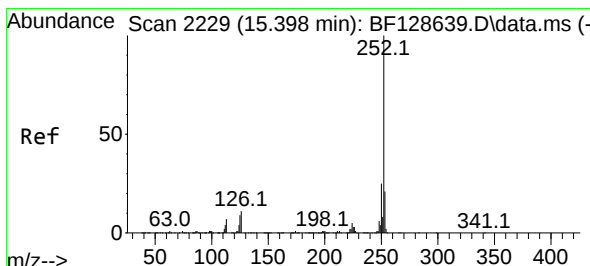
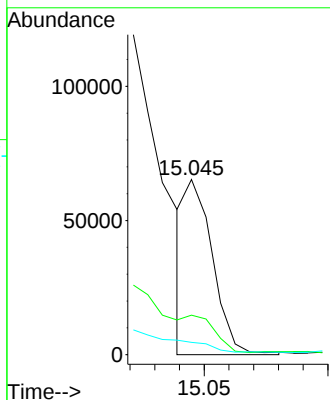
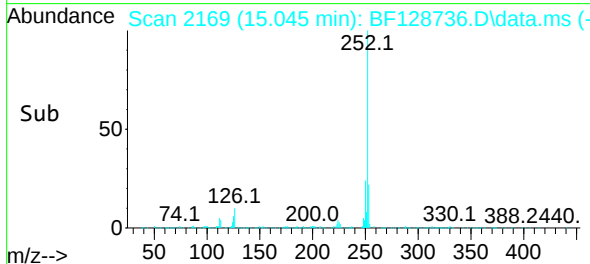
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:252 Resp: 50344
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 7.1 8.3 12.5

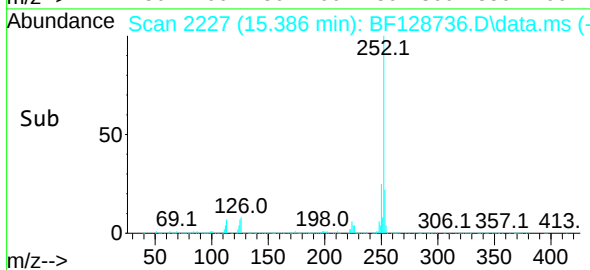
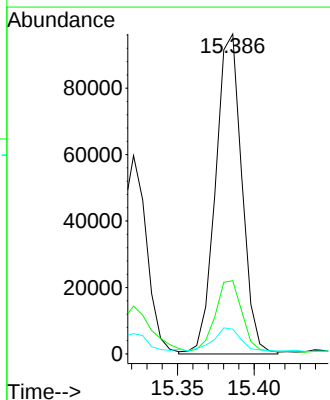
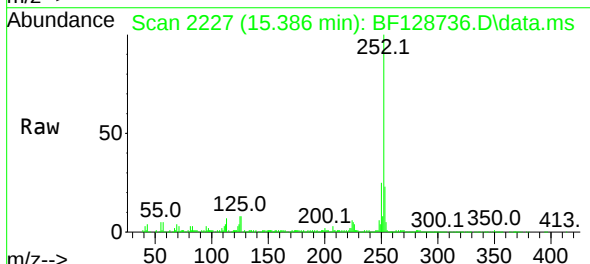
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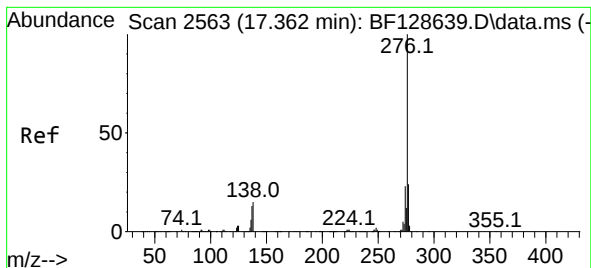
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#90
Benzo(a)pyrene
Concen: 16.285 ng m
RT: 15.386 min Scan# 2227
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

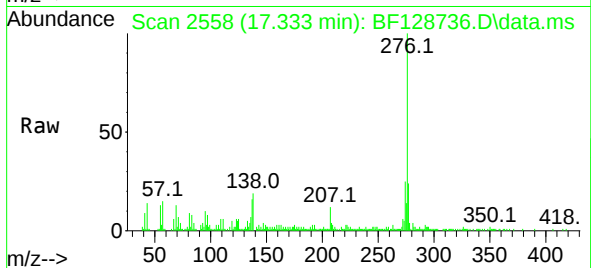
Tgt Ion:252 Resp: 115006
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 7.7 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 7.763 ng
RT: 17.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:276 Resp: 5409
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 18.5 18.0 27.0

Manual Integrations
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Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

